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[Decisions of the United States Court of Customs and Patent Appeals are indicated by an asterisk (•); of the United States Court of Appeals District of Columbia Circuit by the letter (°).]

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Stabilising agent—namely, brominated vegetable oils, used in the preparation of non-alcoholic maltless soft drinks. Serial No. 613,283, May 6. Class 45.

Abgro, Inc., New York, N. Y. Sewing machine needles. Serial No. 617,903, May 6. Class 23.

Addressograph-Multigraph Corporation, Cleveland, Ohio. Ink. Serial No. 615,809, May 6. Class 11.

Albro Packing Company, The, Springboro, Pa. Pickles and pickle relishes, canned peppers, etc. Serial No. 619,910, May 6. Class 46.

Altmann, Bernhard, New York, N. Y. Yarns and threads. Serial No. 611,876, May 6. Class 43.

Amalcoe Products Corp., New York, N. Y. Cord-operated amalgamator. Serial No. 608,233, May 6. Class 44.

American Anthracite & Bituminous Coal Corporation, New York, N. Y. Coal. Serial No. 623,698, May 6. Class 1.

American Bosch Corporation, Springfield, Mass. Electrically operated windshield wipers. Serial No. 619,060, May 6. Class 19.

American Brake Shoe Company, New York, N. Y. Tail skid shoes for airplanes; wheels, and liners, etc. Serial No. 617,474, May 6. Class 19.

American Camping Association, Inc., Chicago, Ill. Providing recreational activities. Serial No. 597,726, May 6. Class 107.

American Crankshaft Company, Charlotte, N. C. Reconditioning automotive crankshafts. Serial No. 620,379, May 6. Class 103.

American Lumber & Treating Co., Chicago, Ill. Chemically impregnating forest products. Serial No. 618,477, May 6. Class 106.

American Rubber Products Corporation, New York, N. Y. Flush tank balls. Serial No. 621,797, May 6. Class 13.

American Wood Window Institute, Inc., The, Memphis, Tenn. Wood windows. Serial No. 605,830, May 6. Class 12.

Amherst Fuel Company, Charleston, W. Va. Coal. Serial No. 616,309, May 6. Class 1.

Anro Products Company, Inc., assignor to Dish-Doo Dishwasher, Inc., Chicago, Ill. Fountain brushes. Serial No. 610,536, May 6. Class 29.

Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Dry colors and pigments. Serial No. 601,415, May 6. Class 16.

Armstrong Cork Company, Lancaster, Pa. Floor covering. Serial No. 618,077, May 6. Class 20.

Badger Machine Company, Winona, Minn. Machinery. Serial No. 610,505, May 6. Class 23.

Balboa Enterprises: *See*—
Ricketts, Robert S.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. Serial No. 580,119, May 6. Class 17.

Belle Products Company, Inc., Houston, Tex. Maraschino cherries, olives and stuffed olives. Serial No. 617,275, May 6. Class 46.

Bestform Foundations, Inc., New York, N. Y. Brassières, girdles, corsets, etc. Serial No. 613,288, May 6. Class 39.

Blair, E. L., & Son, Williamsport, Pa. Artificial fishing lures. Serial No. 602,670, May 6. Class 22.

Blue Shield Medical Care Plans, Chicago, Ill. Underwriting, on a prepayment basis, the expense to the patient of medical care, etc. Serial No. 616,543, May 6. Class 102.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 617,693, May 6. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 617,696, May 6. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial Nos. 617,698–701, May 6. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 617,704, May 6. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 617,708, May 6. Class 27.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Face cream and toilet lanoline. Serial No. 606,505, May 6. Class 51.

Butler Brothers, Chicago, Ill. Percale fabrics. Serial No. 602,435, May 6. Class 42.

Caffe Espresso Inc., New York, N. Y. Coffee pots having a self-contained heating unit. Serial No. 606,136, May 6. Class 34.

Cain, John E., Co., Cambridge, Mass. Sweet relish. Serial No. 591,665, May 6. Class 46.

Carpenter and Paterson Inc., Boston and East Boston, Mass. Roof flanges or flashings. Serial No. 593,781, May 6. Class 12.

Chadis-Roth Knitwear Co., Boston, Mass. Sweaters and bathing suits. Serial No. 601,311, May 6. Class 39.

Chattanooga Welding & Machine Co., Chattanooga, Tenn. Automatic tying apparatus. Serial No. 598,832, May 6. Class 23.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Gloves and aprons. Serial No. 614,400, May 6. Class 39.

Chen-Tuft Corporation, Chattanooga, Tenn. Chenille bedspreads. Serial No. 609,630, May 6. Class 42.

Clinton Foods Inc., New York, N. Y., assignee of Snow Crop Marketers, Inc. Canned vegetables. Serial No. 559,741, May 6. Class 46.

Club Aluminum Products Company, Chicago, Ill. Covers made of glass for cooking utensils. Serial No. 615,601, May 6. Class 33.

Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' outer sport shirts. Serial No. 602,364, May 6. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' outer shirts. Serial No. 608,198, May 6. Class 39.

Comex Sales Company: *See*—
Ungar, Jesse.

Commercial Chemical Company, Los Angeles, Calif. Oil plastic base pigmented wall coating. Serial No. 564,560, May 6. Class 16.

Consolidated Merchants Syndicate, Inc., New York, N. Y. Listing service to retailers. Serial No. 552,231, May 6. Class 101.

Cott Index Company, The, Columbus, Ohio. Loose leaf sheets. Serial No. 593,652, May 6. Class 37.

Crescent Bottling Co.: *See*—
Holscher, Ernst H.

Daumit, Kay, Inc., Jersey City, N. J. Hair nets. Serial No. 597,133, May 6. Class 39.

Dean & Gould Bros., Inc., Kansas City, Mo. Finger rings. Serial No. 611,412, May 6. Class 28.

Decca Records, Inc., New York, N. Y. Phonograph needles. Serial No. 549,058, May 6. Class 36.

Decca Records, Inc., New York, N. Y. Unbreakable mechanically grooved phonograph records. Serial No. 554,301, May 6. Class 36.

Del Busto Razon, Sofia, doing business under the name of Laboratories Busto, Madrid, Spain. Medicine for the treatment of broncho-pulmonary affections. Serial No. 598,116, May 6. Class 18.

Derby Records, Inc., New York, N. Y. Grooved phonograph records. Serial No. 596,716, May 6. Class 36.

Diana Corset Co., Inc., New York, N. Y. Corsets, brassières and girdles Serial No 602,500, May 6. Class 39.

Dish-Doo Dishwasher, Inc., assignee: *See*—
Anro Products Company, Inc.

Don-Ite Company, The, St. Louis, Mo. Lacquers, thinner and retarder. Serial No. 609,336, May 6. Class 16.

Dorr Company, The, Stamford, Conn. Machines for treating solids suspended in liquids. Serial No. 602,549, May 6. Class 23.

Duncan, Roselyn K., Atlanta, Ga. Finger rings. Serial No. 613,323, May 6. Class 28.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Coated fabrics in the nature of artificial leather. Serial No. 588,562, May 6. Class 50.

E. Paillard & Cie S. A., Sainte-Croix and Yverdon, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited). Cameras, postage franking and metering machines, etc. Serial No. 516,914, May 6. Class 26.

Eastern Clay Products, Inc., Jackson, Ohio, assignor to International Minerals & Chemical Corporation, Chicago, Ill. Core and mold compositions and foundry clays and sands, etc. Serial No. 566,508, May 6. Class 1.

Electrolux Corporation, Dover, Del., and New York, N. Y. Service, maintenance, and repair of vacuum cleaners and floor polishers, etc. Serial No. 603,776, May 6. Class 103.

Electronized Chemicals Corporation, New York, N. Y. Sterilized drugs. Serial No. 527,001, May 6. Class 18.

Empire Sporting Goods Manufacturing Co., Inc., New York, N. Y. Sport accessories. Serial No. 608,986, May 6. Class 22.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Meat chopper knives and blades. Serial No. 619,076, May 6. Class 23.

Esquire, Inc., Chicago, Ill. Cases for autoists. Serial No. 562,124, May 6. Class 50.

Evans Case Co., North Attleboro, Mass. Cigarette cases and pyrophoric cigarette lighters and combination cigarette cases, etc. Serial No. 609,440, May 6. Class 8.

Fabergé, Inc., New York, N. Y. Perfumes, colognes, toilet waters, etc. Serial No. 599,625, May 6. Class 51.

Fabish, Louise, New York, N. Y. Rouge. Serial No. 615,890, May 6. Class 51.

Fabric Leather Corp., New York, N. Y. Plastic sheeting. Serial No. 617,870, May 6. Class 50.

Fabric Prints, Inc., New York, N. Y. Rayon piece goods. Serial Nos. 609,968–9, May 6. Class 42.

Fairmont Canning Company, Fairmont, Minn. Canned vegetables. Serial No. 546,686, May 6. Class 46.

Flintkote Company, The, New York, N. Y. Roofing granules and roofing shingles and roll roofing. Serial No. 614,046, May 6. Class 12.

Foote Mineral Company, Philadelphia, Pa. Ores and minerals, chrome ore; glass cullet, etc. Serial No. 602,833, May 6. Class 1.

Fruit of the Loom, Inc., Providence, R. I. Bowl covers, mixer covers, toaster covers, etc. Serial No. 613,810, May 6. Class 50.

Fruit Products Corporation, New York, N. Y., assignee of Ice Cream Novelties, Inc. Frozen confections. Serial No. 612,124, May 6. Class 46.

Frydenlunds Bryggeri, Oslo, Norway. Beer. Serial No. 608,795, May 6. Class 48.

Fuller Brush Company, The, Hartford, Conn. Golf tees. Serial No. 602,553, May 6. Class 22.

G. H. S. Corporation, New York, N. Y. Hair nets. Serial No. 599,429, May 6. Class 39.

General Electric Company, Schenectady, N. Y. Freezing trays. Serial No. 616,477, May 6. Class 31.

General Time Corporation, New York, N. Y., and La Salle, Ill. Clocks and watches. Serial No. 618,789, May 6. Class 27.

Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Horizontal and vertical, non-automatic, semi-automatic and automatic lathes and turning machines, etc. Serial No. 604,475, May 6. Class 23.

Georgia-Pacific Plywood & Lumber Co., Augusta, Ga. Plastic-faced plywood. Serial No. 603,782, May 6. Class 12.

Gibbs, John T., Seaside, Oreg. Pin ball machine. Serial No. 597,749, May 6. Class 22.

Globe-Wernicke Co., The, Norwood, Cincinnati, Ohio. Modular office furniture installations. Serial No. 616,093, May 6. Class 32.

Glo-Lure, Inc., Medford, Wis. Toy or sporting apparatus. Serial No. 603,843, May 6. Class 22.

Goldblatt Bros. Inc., Chicago, Ill. Sewing machines. Serial No. 585,226, May 6. Class 23.

Golden State Brush Company, North Hollywood, Calif. Paint brushes. Serial No. 617,989, May 6. Class 29.

Good Time Jazz Record Co., Inc., assignee: *See*—
Koenig, Lester.

Great Lakes Carbon Corporation, New York, N. Y. Expanded perlite aggregate. Serial No. 615,218, May 6. Class 12.

Great Lakes Carbon Corporation, New York, N. Y. Expanded perlite. Serial No. 619,159, May 6. Class 12.

Groov-Pin Corporation, Union City, N. J. Tapered, grooved metal pins. Serial No. 546,926, May 6. Class 23.

Gross, Benjamin & Edward J., Co., Inc., New York, N. Y. Finger rings and mountings therefor. Serial No. 615,635, May 6. Class 28.

Grove Laboratories, Inc., The, St. Louis, Mo. After shaving lotion. Serial No. 618,577, May 6. Class 51.

H. M. H., Co., The, Pawtucket, R. I. Rosary. Serial No. 598,179, May 6. Class 28.

Haskelite Manufacturing Corporation, Grand Rapids, Mich. Doors. Serial No. 599,091, May 6. Class 12.

Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii. Canned tuna. Serial No. 620,504, May 6. Class 46.

Henley, Arthur E., Morrisville, Pa. Curtain rod hangers. Serial No. 596,422, May 6. Class 13.

Herbert Manufacturing Co., Inc., New York, N. Y. Piece goods. Serial No. 610,066, May 6. Class 42.

Holland Pfoneer Mills, Inc., Ohio City, Ohio. Feeds. Serial No. 599,172, May 6. Class 46.

Holscher, Ernst H., trading as Crescent Bottling Co., Camden, N. J. Mineral water. Serial Nos. 620,159–60, May 6. Class 45.

Hough Shade Corporation, Janesville, Wis. Flexible floor screens. Serial No. 615,554, May 6. Class 32.

Hubbs Corporation, Baltimore, Md. Wrapping cord and twine. Serial No. 614,776, May 6. Class 7.

Hudnut, Richard, New York, N. Y. After shave lotion. Serial No. 618,968, May 6. Class 51.

Hughes, T., DeWitt, doing business as Western Employment Counselors Association, Kansas City, Mo. Furnishing employees for places of business. Serial No. 602,614, May 6. Class 101.

Hunt Potato Chip Co., Braintree, Mass. Potato chips. Serial No. 583,932, May 6. Class 46.

Hyster Company, Portland, Oreg. Lift trucks. Serial No. 619,509, May 6. Class 23.

Ice Cream Novelties, Inc.: *See*—
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Imperial Accordion Manufacturing Co., Chicago, Ill. Accordions. Serial No. 613,373, May 6. Class 36.

Indestro Manufacturing Corp., Chicago, Ill. Conventional open-end wrenches and sets thereof, etc. Serial No. 619,511, May 6. Class 23.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Single and multi-stage low pressure centrifugal air and gas compressors. Serial No. 614,388, May 6. Class 23.

International Minerals & Chemical Corporation, assignee: *See*—
Eastern Clay Products, Inc.

Irish Linen Spinning & Weaving Co., Inc., New York, N. Y. Bed sheets. Serial No. 608,458, May 6. Class 42.

Island Creek Coal Company, Huntington, W. Va. Coal. Serial No. 618,639, May 6. Class 1.

Jacoby-Bender, Inc., New York, N. Y. Group of bracelets for watches. Serial No. 608,165, May 6. Class 28.

Jamaica Sportswear, Inc., Olney, Ill. Sportswear. Serial No. 604,972, May 6. Class 39.

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Jeunesse Corporation, Jersey City, N. J. Women's wearing apparel. Serial No. 618,931, May 6. Class 39.

Johnson & Johnson, New Brunswick, N. J. Brushes. Serial No. 616,671, May 6. Class 29.

Kahn, Manya, New York, N. Y. Printed publications. Serial No. 607,254, May 6. Class 38.

Keeney, George E., doing business as Rapid Colorprint Service, Glendale, Calif. Colored photocopies of printed or pictorial matter. Serial No. 607,174, May 6. Class 38.

Kelly, Henry, Importing & Distributing Co. Inc., New York, N. Y. Champagne. Serial No. 545,256, May 6. Class 47.

Kling-Tite Paint Products Company, Chicago, Ill. Pourable asphaltic base material. Serial No. 539,714, May 6. Class 12.

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Koenig, Lester, assignor to Good Time Jazz Record Co., Inc., Los Angeles, Calif. Grooved phonograph records. Serial No. 610,563, May 6. Class 36.

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Lambert Company, The, assignee: *See*—
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Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo., assignor to The Lambert Company, Jersey City, N. J. Dentifrices. Serial Nos. 615,559–60, May 6. Class 51.

Lane Company, Inc., The, Altavista, Va. Composition board. Serial No. 619,302, May 6. Class 12.

Lang, Ted, Inc., New York, N. Y. Slips. Serial No. 614,833, May 6. Class 39.

Lever Brothers Company, New York, N. Y. Dentifrice. Serial No. 618,806, May 6. Class 51.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 600,898, May 6. Class 18.

Lincoln Oil & Paint Company, The, Cleveland, Ohio. Ready-mixed paints, varnishes, enamels, etc. Serial No. 564,079, May 6. Class 16.

Lisner, Leonard E., New York, N. Y. Toilet water, eau de cologne, perfume, etc. Serial No. 613,301, May 6. Class 51.

Los Angeles Nut House, also doing business as L. A. Nut House, Los Angeles, Calif. Peanut butter, potato chips and candy. Serial No. 620,611, May 6. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Handle sticks. Serial No. 612,661, May 6. Class 13.

M. C. & F. Co.: *See*—
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M. S. Company, Attleboro, Mass. Jewelry. Serial No. 616,040, May 6. Class 28.

Mages Sport Stores, Inc., Chicago, Ill. Athletic and sporting goods. Serial No. 580,021, May 6. Class 22.

Malden Mop and Brush Company, Everett, Mass. Dustmops. Serial No. 618,398, May 6. Class 29.

McDonald Products Corporation, Buffalo, N. Y. Ash trays and receptacles, smoking stands, etc. Serial No. 600,602, May 6. Class 8.

Merrimac Hat Corporation, New York, N. Y. Men's, women's and children's hats and hat bodies. Serial No. 567,989, May 6. Class 39.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Printing papers. Serial No. 578,091, May 6. Class 37.

Narragansett Brewing Company, Cranston, R. I. Ale and beer. Serial No. 599,448, May 6. Class 48.

National Blank Book Company, Holyoke and Riverside, Holyoke, Mass. Blank books, desk and engagement pads, binder covers, etc. Serial Nos. 612,815–16, May 6. Class 37.

National Pressure Cooker Company, Eau Claire, Wis. Outboard motors. Serial No. 559,857, May 6. Class 23.

New Method Equipment Company, Indianola, Iowa. Belt chain driven platform lift. Serial No. 553,635, May 6. Class 23.

Oakley, Annie, Enterprises, assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif. Dolls, toy pistols, games played with darts, etc. Serial No. 611,909, May 6. Class 22.

Oakley, Annie, Enterprises, Inc., assignee: *See*—
Oakley, Annie, Enterprises.

Osborn Manufacturing Company, The, Cleveland, Ohio. Brushes forming parts of industrial machines, etc. Serial No. 524,201, May 6. Class 23.

Paillard S. A. (Paillard A. G., Paillard Limited): *See*—
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Parfumerie Provencal, Inc., New York, N. Y. Toilet soaps. Serial No. 601,274, May 6. Class 52.

Parker's Sno-White Laundry, Inc., Atlanta, Ga. Dry cleaning services. Serial No. 618,213, May 6. Class 103.

Parker's Sno-White Laundry, Inc., Atlanta, Ga. Dry cleaning services. Serial No. 618, 507, May 6. Class 103.

Patch, E. L., Company, The, Stoneham, Mass. Tablets of dihydroxy aluminum aminoacetate. Serial No. 581,437, May 6. Class 18.

Peck, Stow & Wilcox Company, The, Southington, Conn. Expansive bits, braces, drills, etc. Serial No. 509,443, May 6. Class 23.

Philadelphia Ampoule Laborntories, Philadelphia, Pa. Liquid preparation-containing water-soluble vitamins. Serial No. 598,498, May 6. Class 18.

Philadelphia Ampoule Laboratories, Philadelphia, Pa. Aqueous solution of vitamin B–12. Serial No. 598,499, May 6. Class 18.

Plasticraft Company, Leominster, Mass., now by change of name Universal Vellcot Co. Wall covering material. Serial No. 560,214, May 6. Class 12.

Portland Woolen Mills, Inc., Portland, Oreg. Carrying cases. Serial No. 578,995, May 6. Class 3.

Power Electric Company, Jackson, Miss. Installation and repair of electrical power equipment. Serial No. 606,680, May 6. Class 103.

Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Tooth brushes. Serial No. 615,572, May 6. Class 29.

Radiant Glass Appliance Corp., New York, N. Y. Electric laundry dryers. Serial No. 618,552, May 6. Class 24.

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Rastegar, S. J., doing business under the assumed name of M. C. & F. Co., New York, N. Y. Prophylactics. Serial No. 611,449, May 6. Class 44.

Rastegar, S. J., doing business under the assumed name of M. C. & F. Co., New York, N. Y. Surgical syringes. Serial No. 611,450, May 6. Class 44.

Rayonier Incorporated, New York, N. Y. Wood pulp sheets. Serial No. 618,180, May 6. Class 1.

Read Standard Corporation: *See*—
Standard Stoker Company, Inc., The.

Rempel Manufacturing, Inc., Akron, Ohio. Hollow rubber toys. Serial No. 603,459, May 6. Class 22.

Revere Knitting Mills, Inc., Malden, Mass. Outer shirts. Serial No. 597,167, May 6. Class 39.

Ricketts, Robert S., doing business as Balboa Enterprises, Balboa, Calif. Dolls. Serial No. 589,990, May 6. Class 22.

Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Gas burners, gas furnaces, unit heaters, and boilers. Serial No. 593,612, May 6. Class 34.

Romero, Miguel A., Sr., doing business as Santa Rita Medicine Co., Las Vegas, N. Mex. Eye drops, laxative compounds, stomachic appetizers, etc. Serial No. 572,209, May 6. Class 18.

Ross, Will, Inc., Milwaukee, Wis. Sterile lubricating jelly. Serial No. 608,086, May 6. Class 18.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asbestos-cement siding. Serial No. 615,465, May 6. Class 12.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asbestos-cement siding. Serial No. 615,467, May 6. Class 12.

Santa Rita Medicine Co.: *See*—
Romero, Miguel A., Sr.

Sayco Doll Corp., Brooklyn, N. Y. Dolls. Serial No. 617,060, May 6. Class 22.

Scott, O. M., & Sons Company, Marysville, Ohio. Fertilizers. Serial No. 619,898, May 6. Class 10.

Sears, Roebuck and Co., Chicago, Ill. Manicuring implements, first aid needs and kits, absorbent cotton and absorbent gauze for medical and surgical use, etc. Serial No. 559,340, May 6. Class 44.

Sears, Roebuck and Co., Chicago, Ill. Installation and repairing of (1) heating apparatus and systems, etc. Serial No. 573,205, May 6. Class 103.

Selection Engineering Company Limited, London, England. Prefabricated houses. Serial Nos. 613,480–1, May 6. Class 12.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibiotic preparation. Serial No. 606,732, May 6. Class 18.

Shoe Corporation of America, Columbus, Ohio. Ice skates and roller skates. Serial No. 611,456, May 6. Class 22.

Shuron Optical Company, Inc., Geneva, N. Y. Lens grinding, surfacing, polishing and edging machines, etc. Serial No. 576,139, May 6. Class 23.

Sicks' Seattle Brewing & Malting Co., Seattle, Wash. Beer. Serial No. 604,269, May 6. Class 48.

Silge & Kuhne, San Francisco, Calif. Photomicrographic equipment. Serial No. 610,299, May 6. Class 26.

Simonix Company, The, Chicago, Ill. Hard paste wax like material. Serial No. 582,702, May 6. Class 16.

Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface floor and wall covering. Serial Nos. 619,951–2, May 6. Class 20.

Snow Crop Marketers, Inc.: *See*—
Clinton Foods Inc.

Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, France. Perfumes. Serial No. 599,272, May 6. Class 51.

Squibb, E. R., & Sons, New York, N. Y. Analgesic preparations. Serial No. 584,555, May 6. Class 18.

Squibb, E. R., & Sons, New York, N. Y. Antimalarial preparation. Serial No. 601,340, May 6. Class 18.

Standard Cap and Seal Corporation, Chicago, Ill. Laminated paper and foil bottle closures. Serial No. 598,119, May 6. Class 50.

Standard Safety Equipment Co., Chicago, Ill. Cotton fabric. Serial No. 601,383, May 6. Class 42.

Standard Stoker Company, Inc., The, New York, N. Y., now by change of name Read Standard Corporation. Automatic rack loaders and unloaders. Serial No. 610,721, May 6. Class 23.

Standard-Toch Chemicals, Inc.: *See*—
Standard Varnish Works.

Standard Varnish Works, Staten Island, N. Y., now by change of name Standard-Toch Chemicals, Inc. Varnish type coating. Serial No. 617,321, May 6. Class 16.

Stanley Home Products, Inc., Westfield, Mass. Toilet bowl dispensers. Serial No. 609,820, May 6. Class 13.

Starr, Raymond H., doing business as Koch Supplies, Kansas City, Mo. Dehairing machines. Serial No. 618,132, May 6. Class 23.

Stribling, Thomas B., Jr., doing business under the fictitious name and style of Stribling's Nurseries, Merced, Calif. Nursery stock. Serial Nos. 618,867–8, May 6. Class 1.

Stribling, Thomas B., Jr., doing business under the fictitious name and style of Stribling's Nurseries, Merced, Calif. Nematode resistant root stock. Serial No. 618,869, May 6. Class 1.

Stribling's Nurseries: *See*—
Stribling, Thomas B., Jr.

Sunset Incorporated, Chicago, Ill. Whiskey. Serial Nos. 609,612–13, May 6. Class 49.

Sutliff & Case Co., Inc., Peoria, Ill. Vitamin B-complex preparation. Serial No. 578,723, May 6. Class 18.

Swiss Watch Dial Co., Inc., New York, N. Y. Wristbands for wrist watches. Serial No. 616,065, May 6. Class 28.

Switzer Brothers, Inc., Cleveland, Ohio. Plastic films, sheets and rods and flock. Serial No. 603,966, May 6. Class 1.

Tailored Silk Undergarment Co., Inc., New York, N. Y. Lingerie. Serial No. 612,634, May 6. Class 39.

Talon, Inc., Meadville, Pa. Slide fasteners. Serial Nos. 621,735–6, May 6. Class 13.

Technical Porcelain and China Ware Co., El Cerrito, Calif. Household, hotel, and restaurant table chinaware. Serial No. 615,952, May 6. Class 30.

Texas Concrete Products Corporation, Austin, Tex. Molded concrete structural members and slabs. Serial No. 577,694, May 6. Class 12.

Tex-Sun Glove Company, Corsicana, Tex. Gloves. Serial No. 566,557, May 6. Class 39.

Thresher Paint and Varnish Company, The, Dayton, Ohio. Liquid paints, liquid paint enamels, liquid paint undercoats, etc. Serial No. 618,825, May 6. Class 16.

Towner Manufacturing Co., Santa Ana, Calif. Offset disc harrows, cultivator chassis and attachments. Serial No. 553,321, May 6. Class 23.

Tulsa Fishing Tackle Company, Tulsa, Okla. Artificial fish baits. Serial No. 581,629, May 6. Class 22.

Tyee Camp Equipment, Everett, Wash. Camp cots. Serial No. 601,484, May 6. Class 32.

Ungar, Jesse, doing business under the name and style of Conex Sales Company, New York, N. Y. Olive oil. Serial No. 621,431, May 6. Class 46.

Union Carbide and Carbon Corporation, New York, N. Y. Blades and cutters. Serial No. 619,274, May 6. Class 23.

United Engineering and Foundry Company, Pittsburgh, Pa. Rolling mill pressure meters and rolling mill machinery and parts thereof. Serial No. 553,553, May 6. Class 23.

Universal Fountain Pen & Pencil Co., assignor to Universal Fountain Pen & Pencil Co. Inc., New York, N. Y. Fountain pens. Serial No. 581,507, May 6. Class 37.

Universal Fountain Pen & Pencil Co., Inc., assignee: *See*—
Universal Fountain Pen & Pencil Co.

Universal Vellcot Co.: *See*—
Plasticraft Company.

Waltile Company, Grand Rapids, Mich. Metallic tiles. Serial No. 577,086, May 6. Class 12.

Weiner & Bauer, Inc., New York, N. Y. Textile fabrics. Serial No. 602,115, May 6. Class 42.

Western Employment Counselors Association: *See*—
Hughes, T., DeWitt.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Trays, and fibrous-dust collecting bags. Serial No. 606,098, May 6. Class 2.
Weyerhaeuser Timber Company, Tacoma, Wash. Chemically impregnated wood fiber. Serial No. 604,608, May 6. Class 12.
White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines, electric sewing machines and parts thereof. Serial No. 610,651, May 6. Class 23.
Williams Farms Company, Inc., Oxnard, Calif., and Hereford, Tex. Fresh lettuce. Serial No. 620,284, May 6. Class 46.
Wine Growers Guild, Lodi, Calif. Wines. Serial No. 610,534, May 6. Class 47.
Woodbury, John H., Inc., assignor to the Andrew Jergens Company, Cincinnati, Ohio. Face powder. Serial No. 601,182, May 6. Class 51.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Hematinic preparation. 558,438, May 6; Serial No. 581,109, published Nov. 6, 1951. Class 18.
Addesso, Carmine, doing business under the firm name and style of Subway Tailors, San Diego, Calif. Men's and boys' outer garments. 558,572, May 6; Serial No. 597,723. Class 39.
Advance Solvents & Chemical Corporation, New York, N. Y. Chemical preparations. 558,439, May 6; Serial No. 581,110, published Feb. 12, 1952. Class 6.
Agricola del Yumuri, S. A.: *See*—
Companla de Jarcia de Matanzas S. A.
Aktiebolaget Åtvidaberg-Facit, Atvidaberg, Sweden. Adding and listing machines. 558,509, May 6; Serial No. 610,944, published Jan. 1, 1952. Class 26.
Alabama Georgia Syrup Company: *See*—
Cairo Syrup Company.
Alden Mills, The, New Orleans, La. Hosiery. 294,543, renewed May 31, 1952. O. G. May 6. Class 39.
Aluminum Goods Manufacturing Company, Manitowoc, Wis. Electric percolators. 558,530, May 6; Serial No. 612,723, published Feb. 5, 1952. Class 21.
American Bank Stationery Company, Baltimore, Md. Checks, check-paper, check-books, etc. 293,113, renewed Apr. 12, 1952. O. G. May 6. Class 37.
American Pickle & Canning Co., Hattiesburg, Miss. Pickles, canned vegetables. 171,311, Aug. 7, 1923. Amended. O. G. May 6. Class 46.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, now by merger, United States Steel Company. Electrical transmission lines. 558,529, May 6; Serial No. 612,577, published Feb. 5, 1952. Class 21.
Ammco Tools, Inc., North Chicago, Ill. Valve tappet grinders, valve tappet screw grinders, valve lifter grinders, etc. 558,544, May 6; Serial No. 614,982, published Jan. 15, 1952. Class 23.
Andres, Rachel: *See*—
Propper, Rachel F.
Arkwright, Incorporated, New York, N. Y., assignee of Arkwright Merchandising Corporation. Men's, women's and children's clothing. 558,562, May 6; Serial No. 578,951. Class 39.
Arkwright Merchandising Corporation: *See*—
Arkwright, Incorporated.
Armour and Company, Chicago, Ill. Glue. 558,432, May 6; Serial No. 577,928, published Dec. 18, 1951. Class 5.
Armour and Company, Chicago, Ill. Beef extract. 558,486, May 6; Serial No. 604,415, published Feb. 12, 1952. Class 46.
Armour and Company, Chicago, Ill. Boilable and non-boilable sutures. 558,520, May 6; Serial No. 611,467, published Feb. 12, 1952. Class 44.
Associated Press, The, New York, N. Y. Newspaper articles. 294,403, renewed May 24, 1952. O. G. May 6. Class 38.
Atkinson, J. & E., Limited, London, England. Perfumed soap. 558,452, May 6; Serial No. 593,156, published Dec. 25, 1951. Class 52.
Atlas Portland Cement Company, The, Northampton, Pa., to Universal Atlas Cement Company, New York, N. Y. Lime, hydrated lime, and building-plaster compositions. 85,938, re-renewed Apr. 2, 1952. O. G. May 6. Class 12.
Atlas Supply Company, New York, N. Y., to Atlas Supply Company, Newark, N. J. Rubber tires. 288,702, renewed Nov. 3, 1951. O. G. May 6. Class 35.
Bacino Postman Corporation, New York, N. Y. Glove leather. 558,545, May 6; Serial No. 615,474, published Feb. 12, 1952. Class 1.
Bailey Company, Incorporated, The, Amesbury, Mass. Vehicle glass run channels. 558,429, May 6; Serial No. 572,824, published Jan. 8, 1952. Class 19.
Barbasol Company, The, Indianapolis, Ind. Shaving cream. 558,579, May 6; Serial No. 609,526. Class 51.
Barnstead Still and Sterilizer Co., Boston, Mass. Laboratory sterilizers and autoclaves. 558,541, May 6; Serial No. 614,035, published Feb. 5, 1952. Class 44.
Battle Creek Equipment Company, Battle Creek, Mich. Exercising machines. 558,411, May 6; Serial No. 549,413, published Jan. 29, 1952. Class 44.
Bayshore Industries, Inc., Elkton, Md. Infants' small, hollow rubber toys. 558,413, May 6; Serial No. 551,756, published Nov. 15, 1949. Class 22.
Bemis Bro. Bag Company, St. Louis, Mo. Waterproof bags. 558,401, May 6; Serial No. 490,917, published Feb. 12, 1952. Class 2.
Berkely Medical Company: *See*—
Peters, Edward F.
Berkshire Knitting Mills, Reading and Wyomissing, Pa. Full fashioned hosiery. 558,424, May 6; Serial No. 569,343, published Feb. 12, 1952. Class 39.
Bertley Company, Incorporated, New York, N. Y. Seat covers and seat cushions for automobiles. 558,473, May 6; Serial No. 601,974, published Feb. 12, 1952. Class 19.
Bishop, G. H., Company, Chicago, Ill. Metal pails. 558,484, May 6; Serial No. 604,347, published Feb. 12, 1952. Class 2.
Bishop, G. H., Company, Chicago, Ill. Electric control boxes. 558,485, May 6; Serial No. 604,349, published Feb. 12, 1952. Class 21.
Blair, J. C., Company, Huntingdon, Pa., to Western Tablet & Stationery Corporation, Dayton, Ohio. Paper, drawing-paper, pencil-paper, etc. 87,414, re-renewed July 16, 1952. O. G. May 6. Class 37.
Blast Machine Co., Philadelphia, Pa. Portable wheeled sand-blasting machines. 558,471, May 6; Serial No. 601,595, published Jan. 22, 1952. Class 23.
Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn. Books, pamphlets and magazines. 558,425, May 6; Serial No. 569,739, published Feb. 12, 1952. Class 38.
Bourjois, Inc.: *See*—
Woodworth, C. B., Sons Co., The.
Brief Pub. Inc., New York, N. Y. Publication. 558,538, May 6; Serial No. 613,628, published Jan. 29, 1952. Class 38.
Bristol Seamless Ring Co.: *See*—
Kronstadt, Max.
Bristol Seamless Ring Company: *See*—
Kronstadt, Max.
Bromund, E. A., Company, New York, N. Y., to Hood Chemical Co., Inc., Philadelphia, Pa. Laundry-starch polish. 87,419, re-renewed July 16, 1952. O. G. May 6. Class 6.
Browning Crane & Shovel Company, The, Cleveland, Ohio. Mobile cranes and shovels. 558,488, May 6; Serial No. 605,144, published Jan. 29, 1952. Class 23.
Builders Iron Foundry, Providence, R. I. Rotary type integrating flow meters. 558,500, May 6; Serial No. 609,476, published Dec. 11, 1951. Class 26.
Burkart, F., Manufacturing Company, assignee: *See*—
Portland Footwear Co.
Cahill Manufacturing Co., Chicago, Ill. Lined brake shoes (riveted), and bonded brake shoes. 558,435, May 6; Serial No. 579,306, published Feb. 12, 1952. Class 19.
Cairo Syrup Company, Atlanta, Ga., to Alabama Georgia Syrup Company, Montgomery, Ala. Blended cane and corn syrup. 295,822, renewed July 12, 1952. O. G. May 6. Class 46.
Cairo Syrup Company, Atlanta, Ga., to Alabama Georgia Syrup Company, Montgomery, Ala. Cane syrup. 295,823, renewed July 12, 1952. O. G. May 6. Class 46.
California Wine Association, to California Wine Association, San Francisco, Calif. Hock-type wine. 81,781, re-renewed May 9, 1951. O. G. May 6. Class 47.
Calwelt Shoe Co., Los Angeles, Calif. Men's, women's and children's shoes. 558,582, May 6; Serial No. 615,535. Class 39.
Camp, Harry, Millinery Company, San Francisco, Calif. Ladies' hats. 558,575, May 6; Serial No. 603,111. Class 39.
Carmack, V. Wesley, Arlington, Va. Series of cartoons. 558,491, May 6; Serial No. 605,841, published Feb. 12, 1952. Class 38.
Carmi Times Publishing Company, Carmi, Ill. Newspaper. 558,503, May 6; Serial No. 610,001, published Jan. 29, 1952. Class 38.
Carter Products, Inc., assignee: *See*—
Mount Laboratories, Inc.
Carter Products, Inc., New York, N. Y. Deodorant tablet. 558,507, May 6; Serial No. 610,779, published Dec. 4, 1951. Class 18.
Carwood Manufacturing Company, Winder, Ga. Men's and boys' work pants, work shirts, overalls, etc. 558,558, May 6; Serial No. 500,859. Class 39.
Checker Co.: *See*—
Schubert, Ray E.
Chilcott Laboratories, Inc.: *See*—
Maltine Company, The.
Cincinnati Tool Co., The, Norwood, Ohio. Clamps. 294,181, renewed May 24, 1952. O. G. May 6. Class 23.

Claus, John R., doing business under the name Martin A. Pinska Store, Fairbanks, Alaska. Men's coats, jackets, pants, trousers, and breeches. 558,569, May 6; Serial No. 596,076. Class 39.
Compania de Jarcia de Matanzas S. A., to Henequenera de Juragua, S. A., Habana, Cuba. Sisal fibre. 295,153, June 21, 1932. New certificate. O. G. May 6. Class 1.
Compania de Jarcia de Matanzas S. A., to Agricola del Yumuri, S. A., Habana, Cuba. Sisal fibre. 295,154, June 21, 1932. New certificate. O. G. May 6. Class 1.
Cook, Harry M., doing business as Harry Cook Syndicate, New York, N. Y. Comic feature. 558,536, May 6.; Serial No. 613,291, published Feb. 12, 1952. Class 38.
Cook, Harry, Syndicate: *See*—
Cook, Harry M.
Cordes, J. V., doing business as Shield Laboratories, Detroit, Mich. Organic mercury containing preparation. 444,687, May 6; Serial No. 500,370, published Nov. 26, 1946. Class 18.
Cosmos Dental Products, Inc., New York, N. Y. Self-curing plastic and liquids for use in the making and repairing of dental trays. 558,459, May 6; Serial No. 596,156, published Jan. 22, 1952. Class 44.
Coward, Shoe, Inc., The, New York, N. Y. Men's, women's, boys' and girls' leather shoes. 558,560, May 6; Serial No. 561,730. Class 39.
Davey Tree Expert Company, The, Kent, Ohio. Insecticide. 558,423, May 6; Serial No. 569,056, published Dec. 18, 1951. Class 6.
Davies, Rose & Company, Limited, Boston, Mass. Pediatric ointments. 558,522, May 6; Serial No. 611,564, published Dec. 25, 1951. Class 18.
Davis Plywood Corporation, The, Cleveland, Ohio. Hardboard sheet material. 558,571, May 6; Serial No. 597,668. Class 12.
Delkote, Inc., Wilmington, Del. Quick-drying coatings. 558,515, May 6; Serial No. 611,344, published Feb. 5, 1952. Class 16.
Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Decorative paint. 558,417, May 6; Serial No. 559,462, published Jan. 1, 1952. Class 16.
Diameter, Inc., Brooklyn, N. Y. Periodical. 558,531, May 6; Serial No. 612,793, published Feb. 5, 1952. Class 38.
Diehle Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y. 558,464, May 6. Electric motors, electric generators, electric fans, etc., Serial No. 597,327, published Dec. 25, 1951. Class 21; electric bench grinders, Serial No. 612,965, published Jan. 22, 1952. Class 23; exhaust fans, Serial No. 612,966, published Jan. 22, 1952. Class 34. (Consolidated certificate, Classes 21, 23, and 34.)
Dominican Fathers Province of St. Joseph, New York, N. Y. Magazines. 295,165, renewed June 21, 1952. O. G. May 6. Class 38.
Douglis-Mack, Chas., Co. Inc., New York, to M. Mack, Jamaica, N. Y., Men's, boys', and youths' clothing. 295,180, renewed June 21, 1952. O. G. May 6. Class 39.
Drug Laboratories, Inc., New York, N. Y., now by change of name Norex Laboratories, Inc. Antacid tablets. 558,444, May 6; Serial No. 589,843, published Dec. 4, 1951. Class 18.
Duofold Health Underwear Company, to Duofold Inc., Mohawk, N. Y. Men's and boys' underwear. 295,487, renewed July 5, 1952. O. G. May 6. Class 39.
Duofold Inc.: *See*—
Duofold Health Underwear Company.
Eagle Bros., New York, N. Y. Men's, women's and boys' outer shirts. 558,574, May 6; Serial No. 603,004. Class 39.
Eakins, Herbert W., to H. W. Eakins, Jr., doing business as The Long-Eakins Company, Springfield, Ohio. Sugar coated pop corn. 292,548, renewed Mar. 15, 1952. O. G. May 6. Class 46.
Eakins, Herbert W., Jr.: *See*—
Eakins, Herbert W.
Eckert, William G., doing business under the name Quadson Instrument Company, Los Angeles, Calif. Electrically operated physio-therapy machines. 558,463, May 6; Serial No. 596,990, published Mar. 20, 1951. Class 44.
Edmands Coffee Company, Boston, Mass. Coffee and tea. 289,197, Nov. 24, 1931. Republished May 6. Class 46.
Ellis Paint Company, Long Beach, Calif. Ready-mixed marine paints. 558,420, May 6; Serial No. 568,152, published Jan. 8, 1952. Class 16.
F-E Manufacturing Company: *See*—
Konetes, John S.
Farah Manufacturing Company, Inc., El Paso, Tex. Boys' and men's denim jackets, men's work pants and shirts, etc. 558,581, May 6; Serial No. 610,900. Class 39.
Fasterfat Limited, to National Sea Products Limited, Halifax, Nova Scotia, Canada. Fish meal. 293,870, renewed May 10, 1952. O. G. May 6. Class 46.
Filotecnica Salmoiraghi Società per Azioni, Milan, Italy. Lenses for spectacles. 558,478, May 6; Serial No. 603,619, published Dec. 25, 1951. Class 26.
Filotecnica Salmoiraghi Società per Azioni, Milan, Italy. Lenses for spectacles. 558,479, May 6; Serial No. 603,621, published Dec. 25, 1951. Class 26.
Flood Safety Products Company, Chicago, Ill. Plastic cover lens. 558,441, May 6; Serial No. 586,155, published Jan. 1, 1952. Class 26.
Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo. Wheat flour. 558,414, May 6; Serial No. 553,593, published Feb. 5, 1952. Class 46.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 293,701, renewed May 3, 1952. O. G. May 6. Class 37.
Fort Howard Paper Company, Green Bay, Wis. Paper napkins. 291,913, renewed Feb. 23, 1952. O. G. May 6. Class 37.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 293,741, renewed May 3, 1952. O. G. May 6. Class 37.
French, Edward R., doing business as The Top Tunes Company, Ocean City, N. J. Sheet music. 558,467, May 6; Serial No. 600,477, published Feb. 12, 1952. Class 38.
French, R. T., Company, The: *See*—
Reckitt & Sons Ltd.
Fritz Gegauf Aktiengesellschaft, Bernina-Nähmaschinenfabrik, Steckborn, Switzerland. Household and industrial sewing machines and parts thereof. 558,505, May 6; Serial No. 610,515, published Oct. 16, 1951. Class 23.
Fromme, H. S., & Co., Inc., New York, N. Y. Coffee. 558,496, May 6; Serial No. 608,206, published Feb. 12, 1952. Class 46.
Frosst, Charles E., & Co., Montreal, Quebec, Canada. Pharmaceutical preparation. 558,502, May 6; Serial No. 609,794, published Nov. 20, 1951. Class 18.
Gair, Robert, Company, Inc., New York, N. Y. Paperboard cartons. 558,540, May 6; Serial No. 613,772, published Feb. 12, 1952. Class 2.
Gannon, John J., Houston, Tex. Income, estate, and inheritance tax services. 558,555, May 6; Serial No. 612,011, published Feb. 12, 1952. Class 101.
Gardner Board and Carton Co., The, Middletown, Ohio. Boxes and cartons. 558,516, May 6; Serial No. 611,349, published Feb. 12, 1952. Class 2.
Gascolgne, Geo. H., Company Limited, The, Reading, England. Clamp connectors made of common metal for joining metal tubes. 558,583, May 6; Serial No. 616,422. Class 13.
General American Transportation Corporation, Chicago, Ill. Railway freight cars. 558,511, May 6; Serial No. 611,267, published Jan. 22, 1952. Class 19.
General Mills, Inc., Wmlington, Del., and Minneapolis, Minn. Monosodium glutamate used to intensify the flavor of foods. 558,542, May 6; Serial No. 614,085, published Feb. 5, 1952. Class 46.
Glasser, Myron, Pittsburgh, Calif. Garter for pants. 558,499, May 6; Serial No. 609,127, published Nov. 6, 1951. Class 39.
Glaze-All Corporation, Chicago, Ill. Auto cleaning and glazing wax. 558,461, May 6; Serial No. 596,224, published Jan. 29, 1952. Class 52.
Greetings Unlimited and Co., St. Paul, Minn. Greeting cards. 558,475, May 6; Serial No. 602,507, published Feb. 12, 1952. Class 38.
Haggie, R. Hood, & Son, Limited, Newcastle-on-Tyne, England. Ropes. 289,857, Dec. 8, 1931. Republished May 6. Class 7.
Hamilton Feature Service: *See*—
Rousseau, William H., Jr.
Hampshire Paper Company, South Hadley Falls, to Valley Paper Company, Holyoke, Mass. Writing and printing paper. 291,297, renewed Feb. 9, 1952. O. G. May 6. Class 37.
Harco Laboratories: *See*—
Harris, George J.
Hardwick & Magee Company, Philadelphia, Pa. Woven carpets and rugs. 87,336, re-renewed July 9, 1952. O. G. May 6. Class 42.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles and structural parts therefor. 558,534, May 6; Serial No. 613,223, published Jan. 29, 1952. Class 19.
Harris, George J., doing business as Harco Laboratories, Stamford, Conn. Covers or caps of rubber or other insulating material for terminals of electric appliances. 558,533, May 6; Serial No. 613,070, published Feb. 5, 1952. Class 21.
Heli-Coil Corporation, Danbury, Conn. Tools and machines and parts thereof. 558,518, May 6; Serial No. 611,424, published Jan. 22, 1952. Class 23.
Henequenera de Juragua, S. A.: *See*—
Companla de Jarcia de Matanzas S. A.
Heydays Shoes, Inc.: *See*—
Victory Shoe Company.
Hood Chemical Co., Inc.: *See*—
Bromund, E. A., Company.
Hull & Dillon Packing Company, The, Pittsburg, Kans. Bacon. 294,236, renewed May 24, 1952. O. G. May 6. Class 46.
Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Bicycles. 558,483, May 6; Serial No. 604,262, published Jan. 22, 1952. Class 19.
Hyde Park Clothes, Inc., Newport, Ky. Men's suits, coats, topcoats, etc. 558,494, May 6; Serial No. 607,127, published Jan. 1, 1952. Class 39.

Ideal Novelty & Toy Co., Brooklyn, to Ideal Toy Corporation, Hollis, N. Y. Dolls. 295,982, renewed July 19, 1952. O. G. May 6. Class 22.

Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.

Independent Pneumatic Tool Company, Chicago, Ill. Carrying cases. 558,415, May 6; Serial No. 555,507, published Jan. 1, 1952. Class 3.

Indianapolis Glove Company, Indianapolis, Ind., now by change of name Indianapolis Glove Company, Inc. Work gloves. 558,407, May 6; Serial No. 536,609, published Mar. 29, 1949. Class 39.

Indianapolis Glove Company, Inc.: *See*—
Indianapolis Glove Company.

International Motor Company, to Mack Manufacturing Corporation, New York, N. Y. Motor trucks. 291,095, renewed Jan. 26, 1952. O. G. May 6. Class 19.

International Schools Company of Latin America, Scranton, Pa. Printed lesson sheets, printed books, printed manuals, and printed pamphlets. 558,547, May 6; Serial No. 616,173, published Feb. 12, 1952. Class 38.

International Shoe Co., St. Louis, Mo. Boots and shoes. 292,666, renewed Mar. 22, 1952. O. G. May 6. Class 39.

Int'l Acheson Graphite Company, Niagara Falls, to Union Carbide and Carbon Corporation, New York, N. Y. Graphite and carbon and graphitic and carbonaceous products. 37,907, re-renewed Mar. 4, 1952. O. G. May 6. Class 1.

Island Equipment Corp., Long Island City, N. Y. Belt conveyor. 558,440, May 6; Serial No. 585,070, published Jan. 15, 1952. Class 23.

Jordan Marsh Company, Boston, Mass. Men's overcoats, topcoats, suits, etc. 558,430, May 6; Serial No. 572,853, published Mar. 6, 1951. Class 39.

Kaye Products Co., New York, N. Y. Preparation in capsule form for the treatment of rheumatism and neuralgia. 558,460, May 6; Serial No. 596,169, published Dec. 4, 1951. Class 18.

King Milling Company, Lowell, Mich. Plain and self-rising wheat flour. 558,412, May 6; Serial No. 549,554, published Feb. 5, 1952. Class 46.

Konetes, John S., doing business as F-E Manufacturing Company, Wilmington, N. C. Hemorrhoid salve. 558,508, May 6; Serial No. 610,851, published Dec. 4, 1951. Class 18.

Kronstadt, Max, doing business as Bristol Seamless Ring Co., by Bristol Seamless Ring Company, New York, N. Y. Finger rings. 280,608, Feb. 24, 1931. Republished May 6. Class 28.

Lanolave Laboratories: *See*—
Southwestern Drug Corporation.

Ledford, Cyrus F., doing business as Sina-Spray Company, Bristol, Tenn. Medicinal spray. 558,472, May 6; Serial No. 601,926, published Dec. 25, 1951. Class 18.

Lehman, Louis H., doing business as Lehman Sprayshield Company, to Lehman Sprayshield Company, Philadelphia, Pa. Glass shower stall doors, shower bath shields, and bath enclosures. 291,754, renewed Feb. 23, 1952. O. G. May 6. Class 13.

Lehman Sprayshield Company: *See*—
Lehman, Louis H.

Lennox Metal Manufacturing Company, Inc., New York and Maspeth, N. Y. Metal shelving sold in prefabricated units. 558,568, May 6; Serial No. 590,633. Class 32.

Le Ripolin (Société Anonyme Française de Peintures Laquées et d'Enduits Sous-Marins, Procédés Lefranc & Briegleb Réunis), Paris, France. Submarine anti-fouling paints. 558,431, May 6; Serial No. 575,995, published Jan. 1, 1952. Class 16.

Light Inspection Car Works: *See*—
Vunlit Corporation.

Lilly, Ell, and Company, Indianapolis, Ind. Powdered liver extract. 296,091, renewed July 19, 1952. O. G. May 6. Class 18.

Lith-I-Bar Company, Holland, Mich. Moulding machines. 558,427, May 6; Serial No. 572,257, published Jan. 15, 1952. Class 23.

Long-Eakins Company, The: *See*—
Eakins, Herbert W.

Los Angeles Soap Company, Los Angeles, Calif. Water softener. 290,216, renewed Dec. 22, 1951. O. G. May 6. Class 6.

Los Angeles Soap Company, Los Angeles, Calif. Soaps—namely, shaving soap. 293,015, renewed Apr. 5, 1952. O. G. May 6. Class 51.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 293,016, renewed Apr. 5, 1952. O. G. May 6. Class 52.

Lowell Specialty Company, Chicago, Ill. Portable hand-manipulable sprayers. 558,543, May 6; Serial No. 614,702, published Jan. 8, 1952. Class 23.

Ludman Corporation, Miami, Fla. Window assemblies. 558,559, May 6; Serial No. 557,938. Class 12.

Lufkin Rule Co., Saginaw, Mich. Folding rules. 212,178, Apr. 27, 1926. Republished May 6. Class 26.

Lufkin Rule Co., Saginaw, Mich. Folding rules. 224,093, Feb. 15, 1927. Republished May 6. Class 26.

Lufkin Rule Company, The, Saginaw, Mich. Measuring tapes. 335,235, May 26, 1936. Republished May 6. Class 26.

Lufkin Rule Company, The, Saginaw, Mich. Measuring tapes. 354,372, Feb. 8, 1938. Republished May 6. Class 26.

Lufkin Rule Company, The, Saginaw, Mich. Folding rules. 379,086, July 2, 1940. Republished May 6. Class 26.

Lufkin Rule Company, The, Saginaw, Mich. Tape measures. 381,006–7, Sept. 10, 1940. Republished May 6. Class 26.

Lufkin Rule Company, The, Saginaw, Mich. Tape measures. 381,036, Sept. 10, 1940. Republished May 6. Class 26.

Lufkin Rule Company, The, Saginaw, Mich. Measuring instruments. 392,488, Dec. 30, 1941. Republished May 6. Class 26.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 427,826–6, Feb. 25, 1947. Republished May 6. Class 26.

Lufkin Rule Company, The, Saginaw, Mich. Measuring tapes. 431,741–2, Aug. 5, 1947. Republished May 6. Class 26.

Mack Manufacturing Corporation: *See*—
International Motor Company.

Mack, Morris: *See*—
Douglis-Mack, Chas., Co. Inc.

Magnatex Limited, Harlington, England. Motor vehicle accessories. 558,468, May 6; Serial No. 600,495, published Jan. 29, 1952. Class 19.

Maltine Company, The, Morris Plains, N. J., now by change of name Chilcott Laboratories, Inc. Medicinal preparation. 558,512, May 6; Serial No. 611,289, published Dec. 25, 1951. Class 18.

Marchant Textile Company, Inc., Greenville, S. C. Finishing of spun rayon and spun nylon fabrics, etc. 558,556, May 6; Serial No. 613,514, published Feb. 12, 1952. Class 106.

Marianna Girl Coat Co., Ltd., New York, N. Y. Children's and misses' coats, suits, dresses, etc. 558,580, May 6; Serial No. 610,859. Class 39.

Marine Optical Manufacturing Co., assignee: *See*—
Marine Optical Mfg. Co.

Marine Optical Mfg. Co., assignor to Marine Optical Manufacturing Co., Boston, Mass. Ophthalmic mountings. 558,557, May 6; Serial No. 556,017. Class 26.

Marioness & Co., Inc., New York, N. Y. Eyeglass cases. 558,433, May 6; Serial No. 578,983, published Jan. 1, 1952. Class 26.

Martin, Glenn L., Company, The, Baltimore and Middle River, Md. Airplanes and structural parts thereof. 558,469, May 6; Serial No. 600,544, published Jan. 22, 1952. Class 19.

Mason Co., Inc., Atlantic City, N. J. Canned vegetables, canned fruits, canned tomato juice, and canned puree. 558,457, May 6; Serial No. 595,115, published Oct. 9, 1951. Class 46.

Master Rule Manufacturing Co., Inc., Middletown, N. Y. Steel measuring tapes. 558,523, May 6; Serial No. 611,578, published Dec. 25, 1951. Class 26.

Mavest, Inc., New York, N. Y. Men's sport coats. 558,445, May 6; Serial No. 590,168, published June 5, 1951. Class 39.

Mavest Inc., New York, N. Y. Sport jackets, suits and topcoats, etc. 558,510, May 6; Serial No. 611,137, published Jan. 1, 1952. Class 39.

Mayflower Dress Co., Inc., New York, N. Y. Ladies', misses', and juniors' skirts, blouses, dresses, etc. 293,783, renewed May 3, 1952. O. G. May 6. Class 39.

Melori Shoe Corp., Roxbury, Boston, Mass. Women's and misses' shoes. 558,584, May 6; Serial No. 619,095. Class 39.

Melville Shoe Corporation, New York, N. Y. Hosiery. 292,410, Mar. 15, 1932. Republished May 6. Class 39.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape and gummed cloth tape. 558,449, May 6; Serial No. 591,576, published Jan. 22, 1952. Class 5.

Millbrook Manufacturing Corp., New York, N. Y. Children's and women's ski suits, beach wear. 405,866, Feb. 29, 1944. Republished May 6. Class 39.

Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Medicinal preparation. 558,524, May 6; Serial No. 611,708, published Dec. 25, 1951. Class 18.

Miller Freeman Publications, Inc., Seattle, Wash. Magazine. 558,404, May 6; Serial No. 507,268, published Jan. 29, 1952. Class 38.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. High strength adhesive film. 558,476, May 6; Serial No. 603,074, published Jan. 22, 1952. Class 5.

Mohawk Motor Lines, Inc., Nashville, Tenn. Transporting of packing-house products by motor van. 558,585, May 6; Serial No. 583,158. Class 105.

Moore, Benjamin, & Co., Brooklyn, to Benjamin Moore & Co., New York, N. Y. Oil-paints. 85,468, re-renewed Feb. 20, 1952. O. G. May 6. Class 16.

Mount Laboratories, Inc., assignor to Carter Products, Inc., New York, N. Y. Effervescent antiseptic, cleansing and deodorizing tablet. 558,493, May 6; Serial No. 606,881, published Dec. 4, 1951. Class 18.

N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Periodicals and instruction booklets. 558,482, May 6; Serial No. 603,973, published Feb. 12, 1952. Class 38.

Nash Inc., Jersey City, N. J. Wallets, billfolds, purses and pocketbooks. 558,578, May 6; Serial No. 608,283. Class 3.

National Bellas Hess Co. Inc., New York, N. Y., to National Bellas Hess, Inc., North Kansas City, Mo. Dresses, outer suits for women and children, cloaks, coats, etc. 289,414, renewed Nov. 24, 1951. O. G. May 6. Class 39.

National Bellas Hess Co. Inc., New York, N. Y., to National Bellas Hess, Inc., North Kansas City, Mo. Tennis rackets, tennis balls, indoor and playground balls, etc. 290,562, renewed Jan. 12, 1952. O. G. May 6. Class 22.

National Bellas Hess Co. Inc., New York, N. Y., to National Bellas Hess, Inc., North Kansas City, Mo. Misses', juniors', and girls' shoes. 291,745, renewed Feb. 23, 1952. O. G. May 6. Class 39.

National Bellas Hess Co. Inc., New York, N. Y., to National Bellas Hess, Inc., North Kansas City, Mo. Two piece, three piece, and four piece suits, dress trousers, etc. 293,164, renewed Apr. 12, 1952. O. G. May 6. Class 39.

National Bellas Hess, Inc.: *See*—
National Bellas Hess Co. Inc.

National Broom Manufacturing Company, Pueblo, Colo. Brooms. 294,903–04, renewed June 7, 1952. O. G. May 6. Class 29.

National Cylinder Gas Company, Chicago, Ill. Electrode carrying cases, welders' carrying cases; and cylinders. 558,409, May 6; Serial No. 545,509, published Feb. 12, 1952. Class 2.

National Metal Edge Box Company, to National Metal Edge Box Company, Philadelphia, Pa. Machines for making metal stays and machines for applying metal stays to paper boxes. 294,999, renewed June 14, 1952. O. G. May 6. Class 23.

National Package Drugs, Inc., St. Louis, Mo. Rubbing alcohol compound. 558,519, May 6; Serial No. 611,446, published Dec. 18, 1951. Class 18.

National Sea Products Limited: *See*—
Fasterfat Limited.

Nelson Doubleday, Inc., Garden City, N. Y. Books. 558,428, May 6; Serial No. 572,515, published Jan. 29, 1952. Class 38.

Nestle-LeMur Company, The, New York, N. Y. Lipsticks. 558,576, May 6; Serial No. 604,736. Class 51.

Noble, F. H. & Co., Chicago, Ill. Ornamental boxes and cases. 558,405, May 6; Serial No. 530,554, published Feb. 12, 1952. Class 2.

Norex Laboratories, Inc.: *See*—
Drug Laboratories, Inc.

Norgine Laboratories, Inc., New York, N. Y. Antispasmodic or spasmolytic preparation. 558,465, May 6; Serial No. 598,494, published Dec. 25, 1951. Class 18.

Norgine Laboratories, Inc., New York, N. Y. Bulk laxative. 558,466, May 6; Serial No. 598,495, published Dec. 18, 1951. Class 18.

Northrop Aircraft, Inc., Hawthorne, Calif. Airplanes. 558,458, May 6; Serial No. 596,002, published Feb. 12, 1952. Class 19.

Norwich Pharmacal Company, The Norwich, N. Y. Antihistaminic preparations. 558,453, May 6; Serial No. 593,496, published Dec. 18, 1951. Class 18.

Nu-Art Engraving Co., Chicago, Ill. Greeting cards. 558,532, May 6; Serial No. 612,971, published Feb. 12, 1952. Class 38.

Nya Läderfabriks A/B Göta, Orebro, Sweden. Leather. 558,525, May 6; Serial No. 611,802, published Feb. 12, 1952. Class 1.

O'Connell Brothers, Inc., Overland and St. Louis, Mo. Antispasmodic tablets. 558,513, May 6; Serial No. 611,299, published Dec. 18, 1951. Class 18.

O'Connell Brothers, Inc., Overland and St. Louis, Mo. Vitamin containing iron tablets. 558,514, May 6; Serial No. 611,302, published Dec. 25, 1951. Class 18.

Office Appliance Company, Chicago, Ill. Periodical. 558,408, May 6; Serial No. 544,597, published Feb. 12, 1952. Class 38.

Oshkosh B'Gosh, Inc., Oshkosh, Wis. Overalls. 558,416, May 6; Serial No. 558,922, published Jan. 1, 1952. Class 39.

Outdorable's, Inc., Minneapolis, Minn. Men's top coats, storm coats, sport jackets, etc. 558,535, May 6; Serial No. 613,280, published Jan. 1, 1952. Class 39.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Pams Products, Detroit, Mich. Shampoo goggles. 558,480, May 6; Serial No. 603,698, published Dec. 25, 1951. Class 26.

Paraffine Companies, Inc., The, to Pabco Products Inc., San Francisco, Calif. Prepared shingles. 291,188, renewed Feb. 2, 1952. O. G. May 6. Class 12.

Paralistic Products Co., Inc., New York, N. Y. Caulking compounds. 422,749, Aug. 13, 1946. Restricted. O. G. May 6. Class 12.

Paramount Wedding Ring Company, Chicago, Ill. Wedding rings. 558,565, May 6; Serial No. 586,815. Class 28.

Peerless Textile Finishing Corp., New York, N. Y. Finishing of textile fabrics by rendering said fabrics shrink proof. 558,554, May 6; Serial No. 606,318, published Feb. 12, 1952. Class 106.

Pep Boys—Manny, Moe & Jack, The, doing business as Varsity Products Co., Philadelphia, Pa. Auto soap, dressing for cleaning and treating brake bands, and rain spot removers. 558,462, May 6; Serial No. 596,941, published Jan. 29, 1952. Class 52.

Pepperell Manufacturing Company, Boston, Mass. Sheetings, shirtings, denims, etc. 290,560, Jan. 12, 1932. Republished May 6. Class 42.

Perla, Henry, doing business as Perla Shirt Company, New York, N. Y. Dress, negligee and work shirts. 558,410, May 6; Serial No. 548,401, published Jan. 1, 1952. Class 39.

Perla Shirt Company: *See*—
Perla, Henry.

Peters, Edward R., doing business as Berkley Medical Company, Berkely City, Mo. Medicinal preparation. 558,521, May 6; Serial No. 611,529, published Dec. 18, 1951. Class 18.

Pinska, Martin A., Store: *See*—
Claus, John R.

Poor & Company, Chicago, Ill. Abrasive compounds. 558,456, May 6; Serial No. 594,989, published Jan. 22, 1952. Class 4.

Portland Footwear Co., Portland, Maine, assignor to F. Burkart Manufacturing Company, St. Louis, Mo. Women's, misses' and growing girls' shoes. 558,577, May 6; Serial No. 607,094. Class 39.

Preservative Paint Co., Seattle, Wash. Ready-mixed paints, asphalt base paints, paint primers, etc. 558,402, May 6, 1952. Serial No. 500,694, published Jan. 1, 1952. Class 16.

Preservative Paint Co., Seattle, Wash. Ready-mixed paints, asphalt-base paints, paint primers and undercoaters, etc. 558,403, May 6, 1952. Serial No. 500,695, published Jan. 8, 1952. Class 16.

Propper, Rachel F., doing business as Rachel Andres, New York, N. Y. Women's pajamas. 558,526, May 6; Serial No. 612,556, published Jan. 1, 1952. Class 39.

Pry Corporation of America: *See*—
Sanipro Corporation of America, Incorporated.

Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car axle drive power take-off units and parts thereof. 558,489, May 6; Serial No. 605,268, published Jan. 29, 1952. Class 23.

Purple Cross, Inc., Denver, Colo. Services in connection with advance provision for funerals. 558,552, May 6; Serial No. 541,371, published June 21, 1949. Class 102.

Quadson Instrument Company: *See*—
Eckert, William G.

Raleigh Cycle Co. Limited, The, Nottingham, England. Bicycles, and parts thereof. 558,450, May 6; Serial No. 591,586, published Jan. 15, 1952. Class 19.

Reckitt & Sons Ltd., Hull, England, to The R. T. French Company, Rochester, N. Y. Laundry tints. 85,714, re-renewed Mar. 5, 1952. O. G. May 6. Class 6.

Register and Tribune Company, The, Des Moines, Iowa. Section in a newspaper. 558,549, May 6; Serial No. 616,338, published Feb. 12, 1952. Class 38.

Remind-A-Meter Corporation, New York, N. Y. Coin operated meters. 558,490, May 6; Serial No. 605,679, published Dec. 25, 1951. Class 26.

Rosedale Knitting Company, Reading, Pa. Ladies' crepe hosiery. 558,563, May 6; Serial No. 580,749. Class 39.

Rosedale Knitting Company, Reading, Pa. Ladies' crepe nylon hosiery. 558,564, May 6; Serial No. 581,212. Class 39.

Rousseau, William H., Jr., doing business as Hamilton Feature Service, Orangeburg, S. C. Newspaper feature. 558,546, May 6; Serial No. 615,725, published Jan. 29, 1952. Class 38.

Rublinsky, Al, New York, N. Y. Leather wallets, leather key cases, leather change purses, etc. 558,527, May 6; Serial No. 612,560, published Jan. 1, 1952. Class 3.

S. A. R. L. Societe d'Exploitation des Produits des Laboratoires Fournier et Cie, Dijon, France. Cellulosic dressings. 558,419, May 6; Serial No. 565,971, published Feb. 12, 1952. Class 44.

Sanipro Corporation of America, Incorporated, now by change of name Pry Corporation of America, Brooklyn, N. Y. Chemical cleanser and disinfectant. 547,824, Sept. 11, 1951. Corrected. O. G. May 6. Class 52.

Schaffer-Lawrie Laboratories, Glendale, Calif. Solution of chlorophyl and iodophenol. 558,446, May 6; Serial No. 590,183, published Dec. 25, 1951. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Chemotherapeutic agent. 558,447, May 6; Serial No. 590,709, published Dec. 18, 1951. Class 18.

Schenley Laboratories, Inc., New York, N. Y. Chemotherapeutic agent. 558,448, May 6; Serial No. 590,710, published Dec. 5, 1950. Class 18.

Schering Corporation, Bloomfield, N. J. Antihistaminic compound syrup. 558,517, May 6; Serial No. 611,373, published Dec. 25, 1951. Class 18.

Schieffelin & Company, New York, N. Y. Shampoo. 292,268, Mar. 8, 1932. Republished May 6. Class 52.

Schubert, Ray E., doing business as Checker Co., Hamden, Conn. Dentifrice in the form of tooth paste. 558,566, May 6; Serial No. 588,108. Class 51.

Scott, Foresman and Company, Chicago, Ill. Series of children's educational books and pamphlets. 558,487, May 6; Serial No. 604,552, published Feb. 12, 1952. Class 38.

Sebel, D., and Company Limited, Erith, Kent, England. Mechanical toy animals. 558,561, May 6; Serial No. 572,458. Class 22.

Sembodja Corporation of New York, New York, N. Y. Tea. 558,573, May 8; Serial No. 598,548. Class 46.

Service Industries, Philadelphia, Pa. Acid proof plastic coating. 558,537, May 6; Serial No. 613,609, published Jan. 15, 1952. Class 16.

Shell Chemical Corporation, New York, N. Y. Fertilizer distribution service. 558,553, May 6; Serial No. 595,285, published Feb. 12, 1952. Class 108.

Shield Laboratories: *See*—
Cordes, J. V.

Sina-Spray Company: *See*—
Ledford, Cyrus F.

Small Town & Farm Markets Institute, Incorporated, New Canaan, Conn. Published analyses relating to newspaper advertising. 558,455, May 6; Serial No. 593,690, published Feb. 12, 1952. Class 38.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y., now by change of name Alexander Smith, Incorporated. Artificially crimped natural and synthetic textile fibers. 558,495, May 6; Serial No. 607,765, published Feb. 12, 1952. Class 1.

Smith, Alexander, Incorporated: *See*—
Smith, Alexander, & Sons Carpet Company.

Societe Anonyme André Citroën, Paris, France. Automotive vehicles. 558,421, May 6; Serial No. 569,016, published Jan. 29, 1952. Class 19.

Societe Anonyme André Citroën, Paris, France. Automotive vehicles. 558,422, May 6; Serial No. 569,018, published Jan. 29, 1952. Class 19.

Societe Anonyme des Ciments Portland Artificiels Belges d'Harmignies, Brussels, Belgium. Powdered limestone and chalk. 558,454, May 6; Serial No. 593,505, published Jan. 29, 1952. Class 1.

Southwestern Drug Corporation, doing business as Lanolave Laboratories, Waco, Tex. Rubbing alcohol. 558,470, May 6; Serial No. 601,284, published Dec. 4, 1951. Class 18.

Sperry Corporation, The, Great Neck, N. Y. Automatic and manual marine vehicle steering systems. 558,442, May 6; Serial No. 586,257, published Jan. 15, 1952. Class 23.

Squibb, E. R., & Sons, New York, N. Y. Antibiotic-containing antibacterial preparation. 558,504, May 6; Serial No. 610,384, published Dec. 25, 1951. Class 18.

Stauffer Chemical Company, San Francisco, Calif. Insecticide. 558,436, May 6; Serial No. 580,439, published Mar. 13, 1951. Class 6.

Stokes Molded Products, Inc., Trenton, N. J. Hard rubber or plastic jars, buckets and cases. 558,451, May 6; Serial No. 591,641, published Feb. 12, 1952. Class 2.

Stop Publications, Inc., New York, N. Y. Magazine. 558,550, May 6; Serial No. 616,342, published Feb. 12, 1952. Class 38.

Stor-Aid Closet Accessories, Inc., New York, N. Y. Perforated card board cartons. 558,426, May 6; Serial No. 570,131, published Feb. 12, 1952. Class 2.

Straub, W. F., & Company, Chicago, Ill. Honey. 391,401, Nov. 4, 1941. Restricted. O. G. May 6, 1952. Class 46.

Stylon Corporation, Boston, Mass. Periodically issued house organ. 558,539, May 6; Serial No. 613,744, published Jan. 29, 1952. Class 38.

Subway Tailors: *See*—
Addesso, Carmine.

Superior Aluminum Awning Company, Atlanta, Ga. Aluminum awnings. 558,567, May 6; Serial No. 588,661. Class 12.

Switzer Brothers, Inc., Cleveland, Ohio. Oil paints, water colors, undercoater therefor, etc. 558,481, May 6; Serial No. 603,967, published Jan. 15, 1952. Class 16.

Tarrant Manufacturing Company, Saratoga Springs, N. Y. Sprayers, mechanical spreaders, sanding machines, etc. 558,434, May 6; Serial No. 579,063, published Jan. 15, 1952. Class 23.

Thompson-Long Company, Chicago, Ill. Paint primer. 558,477, May 6; Serial No. 603,561, published Jan. 1, 1952. Class 16.

Thoresen, Wm., Co., Chicago, Ill. Plastic sprinkling cans. 558,474, May 6; Serial No. 602,174, published Feb. 12, 1952. Class 2.

Thornton & Chester Milling Company, Buffalo, N. Y. Flour. 86,478, re-renewed May 7, 1952. O. G. May 6. Class 46.

Tongue, R. E., & Bros. Co., Inc., Philadelphia, Pa. Fly ribbon, fly paper, fly tape, etc. 291,699, Feb. 28, 1932. Republished May 6. Class 50.

Top Tunes Company, The: *See*—
French, Edward R.

Union Carbide and Carbon Corporation: *See*—
Int'l Acheson Graphite Company.

United States Gypsum Company, Chicago, Ill. Sealer, sizing and finisher. 558,498, May 6; Serial No. 608,524, published Jan. 1, 1952. Class 16.

United States Steel Company: *See*—
American Steel and Wire Company of New Jersey, The.

United States Steel Corporation, New York, N. Y. 558,443, May 6. Cans, drums, pails, etc., Serial No. 588,239, published Dec. 11, 1951. Class 2; sulphate of iron, Serial No. 588,240, published Apr. 10, 1951. Class 6; wire rope and strand, Serial No. 595,349, published May 1, 1951. Class 7; fertilisers, Serial No. 588,241, published July 17, 1951. Class 10; steel flooring, piling and structural shapes, etc., Serial No. 588,242, published July 3, 1951. Class 12; bale ties, cuspidors, drip and dust pans, etc., Serial No. 588,243, published Mar. 27, 1951. Class 13; steel bars, bar mill shapes, castings, etc., Serial No. 588,244, published July 17, 1951. Class 14; wire rope lubricant, Serial No. 588,245, published Oct. 16, 1951. Class 15; railway cars and wheelbarrows, Serial No. 588,246, published Apr. 10, 1951. Class 19; electric wire cable and rail bonds; and electric furnaces, Serial No. 594,155, published Jan. 22, 1952. Class 21; railway switches, farm and garden tools, Serial No. 588,247, published Oct. 2, 1951. Class 23; wire for use as strings in musical instruments, Serial No. 594,156, published Sept. 18, 1951. Class 36; books and periodicals, Serial No. 588,248, published July 24, 1951. Class 38. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36, and 38.)

Universal Atlas Cement Company: *See*—
Atlas Portland Cement Company, The.

Universal Atlas Cement Company, Chicago, Ill., to Universal Atlas Cement Company, New York, N. Y. Portland cement. 292,393–6, renewed Mar. 15, 1952. O. G. May 6. Class 12.

Universal Wire Spring Company, The, Bedford, Ohio. Wire springs for upholstered automobile seats. 558,548, May 6; Serial No. 616,213, published Feb. 5, 1952. Class 19.

Utility Appliance Corp., Los Angeles, Calif. Individual water pumps and individual V-belt pulleys. 444,688, May 6; Serial No. 503,684, published Jan. 15, 1952. Class 23.

V. & E. Manufacturing Co., Pasadena, Calif. Beam compasses. 558,501, May 6; Serial No. 609,730, published Dec. 4, 1951. Class 26.

Valier & Spies Milling Company: *See*—
Flour Mills of America, Inc.

Valley Paper Company: *See*—
Hampshire Paper Company.

Varsity Products Co.: *See*—
Pep Boys—Manny, Moe & Jack, The.

Victory Shoe Company, by Heydays Shoes, Inc., St. Louis, Mo. Women's and girls' shoes. 431,489, July 22, 1947. Republished May 6. Class 39.

Visilite Corp., Saginaw, Mich. Visors for motor vehicles. 558,551, May 6; Serial No. 616,533, published Feb. 12, 1952. Class 19.

Volker, William, & Company of Missouri, Inc., Kansas City, Mo. Window shades. 558,570, May 6; Serial No. 596,763. Class 32.

Vunlit Corporation, doing business as Light Inspection Car Works, Hagerstown, Ind. Automatic centrifugal clutches. 558,492, May 6; Serial No. 606,350, published Jan. 15, 1952. Class 23.

Walton, Izaak, League of America, Inc., Chicago, Ill. Magazine publication. 558,497, May 6; Serial No. 608,389, published Feb. 5, 1952. Class 38.

Warren Paint & Color Company, Nashville, Tenn. Ready-mixed exterior and interior paints, protective and decorative cement and stucco paints, etc. 558,506, May 6; Serial No. 610,530, published Jan. 1, 1952. Class 16.

Western Tablet & Stationery Corporation: *See*—
Blair, J. C., Company.

Whiting Corporation, Harvey, Ill. Rail traction vehicle. 558,528, May 6; Serial No. 612,570, published Jan. 29, 1952. Class 19.

Wilson, A. Reed, Co., Kansas City, Mo. Liquid self-polishing wax and liquid varnish. 558,437, May 6; Serial No. 580,706, published Feb. 12, 1952. Class 4.

Winner Toys, Inc., New York, N. Y. Toy electric trains and accessories therefor. 291,376, renewed Feb. 9, 1952. O. G. May 6. Class 22.

Woodworth, C. B., Sons Co., The, Rochester, by Bourjois, Inc., New York, N. Y. Toilet cream. 70,935, Oct. 20, 1908. Republished May 6. Class 51.

Wortendyke Manufacturing Company, Richmond, Va. Gummed papers, toilet papers, paper cloth. 293,672, renewed May 3, 1952. O. G. May 6. Class 37.

Wortendyke Manufacturing Company, Richmond, Va. Gummed sealing tape. 294,365, renewed May 24, 1952. O. G. May 6. Class 5.

Young, L. A., Spring and Wire Corporation, Detroit, Mich. Motor vehicle seat and back spring cushions and spring cushion assemblies and coiled springs therefor. 558,406, May 6; Serial No. 535,111, published Jan. 22, 1952. Class 19.

Zussman, H., & Son Company, The, Cincinnati, Ohio. Ladies', misses' and girls' dungarees, pedal pushers and shorts, etc. 558,418, May 6; Serial No. 562,289, published Jan. 1, 1952. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Graphite and carbon graphitic and carbonaceous products. Int'l Acheson Graphite Company. 37,907, renewed Mar. 4, 1952. O. G. May 6.

Leather. Nya Läderfabriks A/B Göta. 558,525, May 6; Serial No. 611,802, published Feb. 12, 1952.

Leather, Glove. Bacmo Postman Corporation. 558,545, May 6; Serial No. 615,474, published Feb. 12, 1952.

Limestone and chalk, Powdered. Societe Anonyme des Ciments Portland Artificiels Belges d'Harmignies. 558,454, May 6; Serial No. 593,505, published Jan. 29, 1952.

Natural and Synthetic textile fibers, Artificially crimped. Alexander Smith & Sons Carpet Company. 558,495, May 6; Serial No. 607,765, published Feb. 12, 1952.

Sisal fibre. Compania de Jarcia de Matanzas S. A. 295,153, June 21, 1932. New Certificate. O. G. May 6.

Sisal fibre. Compania de Jarcia de Matanzas S. A. 295,154, June 21, 1932. New Certificate. O. G. May 6.

CLASS 2

Bags, Waterproof. Bemis Bro. Bag Company. 558,401, May 6; Serial No. 490,917, published Feb. 12, 1952.

Boxes and cartons. The Gardner Board and Carton Co. 558,516, May 6; Serial No. 611,349, published Feb. 12, 1952.

Boxes and cases, Ornamental. F. H. Noble & Co. 558,405, May 6; Serial No. 530,554, published Feb. 12, 1952.

Cans, drums, pails, etc. United States Steel Corporation. 558,443, May 6; Serial No. 588,239, published Dec. 11, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36, and 38.)

Cans, Plastic sprinkling. Wm. Thoresen Co. 558,474, May 6; Serial No. 602,174, published Feb. 12, 1952.

Cartons, Paperboard. Robert Gair Company, Inc. 558,540, May 6; Serial No. 613,772, published Feb. 12, 1952.

Cartons, Perforated card board. Stor-Aid Closet Accessories, Inc. 558,426, May 6; Serial No. 570,131, published Feb. 12, 1952.

Cases, Electrode carrying, welders' carrying cases, and cylinders. National Cylinder Gas Company. 558,409, May 6; Serial No. 545,509, published Feb. 12, 1952.

Jars, buckets and cases, Hard rubber or plastic. Stokes Molded Products, Inc. 558,451, May 6; Serial No. 591,641, published Feb. 12, 1952.

Pails, Metal. G. H. Bishop Company. 558,484, May 6; Serial No. 604,347, published Feb. 12, 1952.

CLASS 3

Carrying cases. Independent Pneumatic Tool Company. 558,415, May 6; Serial No. 555,507, published Jan. 1, 1952.

Wallets, billfolds, purses and pocketbooks. Nash Inc. 558,578, May 6; Serial No. 608,283.

Wallets, Leather, leather key cases, leather change purses, etc. Al Rublinsky. 558,527, May 6; Serial No. 612,560, published Jan. 1, 1952.

CLASS 4

Abrasive compounds. Poor & Company. 558,456, May 6; Serial No. 594,989, published Jan. 22, 1952.

Wax, Liquid self-polishing, and liquid varnish. A. Reed Wilson Co. 558,437, May 6; Serial No. 580,706, published Feb. 12, 1952.

CLASS 5

Adhesive film, High strength. Minnesota Mining & Manufacturing Company. 558,476, May 6; Serial No. 603,074, published Jan. 22, 1952.

Glue. Armour and Company. 558,432, May 6; Serial No. 577,928, published Dec. 18, 1951.

Gummed paper tape and gummed cloth tape. Mid-States Gummed Paper Co. 558,449, May 6; Serial No. 591,576, published Jan. 22, 1952.

Gummed sealing tape. Wortendyke Manufacturing Company. 294,365, renewed May 24, 1952. O. G. May 6.

CLASS 6

Chemical preparations. Advance Solvents & Chemical Corporation. 558,439, May 6; Serial No. 581,110, published Feb. 12, 1952.

Insecticide. The Davey Tree Expert Company. 558,423, May 6; Serial No. 569,056, published Dec. 18, 1951.

Insecticide. Stauffer Chemical Company. 558,436, May 6; Serial No. 580,439, published Mar. 13, 1951.

Laundry-starch polish. E. A. Bromund Company. 87,419, re-renewed July 16, 1952. O. G. May 6.

Laundry tints. Reckitt & Sons Ltd. 85,714, re-renewed Mar. 5, 1952. O. G. May 6.

Sulphate of iron. United States Steel Corporation. 558,443, May 6; Serial No. 588,240, published Apr. 10, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36, and 38.)

Water softener. Los Angeles Soap Company. 290,216, renewed Dec. 22, 1951. O. G. May 6.

CLASS 7

Rope and strand, Wire. United States Steel Corporation. 558,443, May 6; Serial No. 595,349, published May 1, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36, and 38.)

Ropes. R. Hood Haggie & Son, Limited. 289,857, Dec. 8, 1931. Republished May 6.

CLASS 10

Fertilizers. United States Steel Corporation. 558,443, May 6; Serial No. 588,241, published July 17, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36, and 38.)

CLASS 12

Awnings, Aluminum. Superior Aluminum Awning Company. 558,567, May 6; Serial No. 588,661.

Caulking compounds. Paralistic Products Co., Inc. 422,749, Aug. 13, 1946. Restricted. O. G. May 6.

Cement, Portland. Universal Atlas Cement Company. 292,393–6, renewed Mar. 15, 1952. O. G. May 6.

Hardboard sheet material. The Davis Plywood Corporation. 558,571, May 6; Serial No. 597,668.

Lime, hydrated lime, and building-plaster compositions. The Atlas Portland Cement Company. 85,938, renewed Apr. 2, 1952. O. G. May 6.

Shingles, Prepared. The Paraffine Companies, Inc. 291,188, renewed Feb. 2, 1952. O. G. May 6.

Steel flooring, piling and structural shapes, etc. United States Steel Corporation. 558,443, May 6; Serial No. 588,242, published July 3, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36 and 38.)

Window assemblies. Ludman Corporation. 558,559, May 6; Serial No. 557,938.

CLASS 13

Bale ties, cuspidors, drip and dust pans, etc. United States Steel Corporation. 558,443, May 6; Serial No. 588,243, published Mar. 27, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36 and 38.)

Clamp connectors made of common metal for joining metal tubes. The Geo. H. Gascoigne Company Limited. 558,583, May 6; Serial No. 616,422.

Shower stall doors, Glass, shower bath shields, and bath enclosures. L. H. Lehman. 291,754, renewed Feb. 23, 1952. O. G. May 6.

CLASS 14

Steel bars, bar mill shapes, castings, etc. United States Steel Corporation. 558,443, May 6; Serial No. 588,244, published July 17, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36 and 38.)

CLASS 15

Lubricant, Wire rope. United States Steel Corporation. 558,443, May 6; Serial No. 588,245, published Oct. 16, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36 and 38.)

CLASS 16

Coatings, Quick-drying. Delkote, Inc. 558,515, May 6; Serial No. 611,344, published Feb. 5, 1952.

Oil-paints. Benjamin Moore & Co. 85,468, re-renewed Feb. 20, 1952. O. G. May 6.

Paint, Decorative. Devoe & Raynolds Company, Inc. 558,417, May 6; Serial No. 559,462, published Jan. 1, 1952.

Paint primer. Thompson-Long Company. 558,477, May 6; Serial No. 603,561, published Jan. 1, 1952.

Paints, Oil, water colors, undercoater therefor, etc. Switzer Brothers, Inc. 558,481, May 6; Serial No. 603,967, published Jan. 15, 1952.

Paints, Ready-mixed, asphalt base paints, paint primers, etc. Preservative Paint Co. 558,402, May 6; Serial No. 500,694, published Jan. 1, 1952.

Paints, Ready-mixed, asphalt-base paints, paint primers and undercoaters, etc. Preservative Paint Co. 558,403, May 6; Serial No. 500,695, published Jan. 8, 1952.

Paints, Ready-mixed exterior and interior, protective and decorative cement and stucco paints, etc. Warren Paint & Color Company. 558,506, May 6; Serial No. 610,530, published Jan. 1, 1952.

Paints, Ready-mixed marine. Ellis Paint Company. 558,420, May 6; Serial No. 568,152, published Jan. 8, 1952.

Paints, Submarine anti-fouling. Le Ripolin (Société Anonyme Française de Peintures Laquées et d'Enduits Sous-Marins, Procédés Lefranc & Briegleb Réunis). 558,431, May 6; Serial No. 575,995, published Jan. 1, 1952.

Plastic coating, Acid proof. Service Industries. 558,537, May 6; Serial No. 613,609, published Jan. 15, 1952.

Sealer, sizing and finisher. United States Gypsum Company. 558,498, May 6; Serial No. 608,524, published Jan. 1, 1952.

CLASS 18

Alcohol compound, Rubbing. National Package Drugs, Inc. 558,519, May 6; Serial No. 611,446, published Dec. 18, 1951.

Antacid tablets. Drug Laboratories, Inc. 558,444, May 6; Serial No. 589,843, published Dec. 4, 1951.

Antibiotic-containing antibacterial preparation. E. R. Squibb & Sons. 558,504, May 6; Serial No. 610,384, published Dec. 25, 1951.

Antihistaminic compound syrup. Schering Corporation. 558,517, May 6; Serial No. 611,373, published Dec. 25, 1951.

Antihistaminic preparations. The Norwich Pharmacal Company. 558,453, May 6; Serial No. 593,496, published Dec. 18, 1951.

Antispasmodic or spasmolytic preparation. Norgine Laboratories, Inc. 558,465, May 6; Serial No. 598,494, published Dec. 25, 1951.

Antispasmodic tablets. O'Connell Brothers, Inc. 558,513, May 6; Serial No. 611,299, published Dec. 18, 1951.

Chemo-therapeutic agent. Schenley Laboratories, Inc. 558,447, May 6; Serial No. 590,709, published Dec. 18, 1951.

Chemo-therapeutic agent. Schenley Laboratories, Inc. 558,448, May 6; Serial No. 590,710, published Dec. 5, 1950.

Deodorant tablet. Carter Products, Inc. 558,507, May 6; Serial No. 610,779, published Dec. 4, 1951.

Effervescent antiseptic, cleansing and deodorizing tablet. Mount Laboratories, Inc. 558,493, May 6; Serial No. 606,881, published Dec. 4, 1951.

Hematinic preparation. Abbott Laboratories. 558,438, May 6; Serial No. 581,109, published Nov. 6, 1951.

Hemorrhoid salve. J. S. Konetes. 558,508, May 6; Serial No. 610,851, published Dec. 4, 1951.

Laxative, Bulk. Norgine Laboratories, Inc. 558,466, May 6; Serial No. 598,495, published Dec. 18, 1951.

Liver extract, Powdered. Eli Lilly and Company. 296,091, renewed July 19, 1952. O. G. May 6.

Medicinal preparation. The Maltine Company. 558,512, May 6; Serial No. 611,289, published Dec. 25, 1951.

Medicinal preparation. E. S. Miller Laboratories, Inc. 558,524, May 6; Serial No. 611,708, published Dec. 25, 1951.

Medicinal preparation. E. F. Peters. 558,521, May 6; Serial No. 611,529, published Dec. 18, 1951.

Medicinal spray. C. F. Ledford. 558,472, May 6; Serial No. 601,926, published Dec. 25, 1951.

Ointments, Pediatric. Davies, Rose & Company, Limited. 558,522, May 6; Serial No. 611,564, published Dec. 25, 1951.

Organic mercury containing preparation. J. V. Cordes. 444,687, May 6; Serial No. 500,370, published Nov. 26, 1946.

Pharmaceutical preparation. Charles E. Frosst & Co. 558,502, May 6; Serial No. 609,794, published Nov. 20, 1951.

Preparation in capsule form for the treatment of rheumatism and neuralgia. Kane Products Co. 558,460, May 6; Serial No. 596,169, published Dec. 4, 1951.

Rubbing alcohol. Southwestern Drug Corporation. 558,470, May 6; Serial No. 601,284, published Dec. 4, 1951.

Solution of chlorophyl and iodophenol. Schaffer-Lawrie Laboratories. 558,446, May 6; Serial No. 590,183, published Dec. 25, 1951.

Vitamin containing iron tablets. O'Connell Brothers, Inc. 558,514, May 6; Serial No. 611,382, published Dec. 25, 1951.

CLASS 19

Airplanes. Northrop Aircraft, Inc. 558,458, May 6; Serial No. 596,002, published Feb. 12, 1952.

Airplanes and structural parts thereof. The Glenn L. Martin Company. 558,469, May 6; Serial No. 600,544, published Jan. 22, 1952.

Bicycles. Husqvarna Vapenfabriks Aktiebolag. 558,483, May 6; Serial No. 604,262, published Jan. 22, 1952.

Bicycles, and parts thereof. The Raleigh Cycle Co. Limited. 558,450, May 6; Serial No. 591,586, published Jan. 15, 1952.

Bicycles and structural parts therefor. D. P. Harris Hardware & Manufacturing Co., Inc. 558,534, May 6; Serial No. 613,223, published Jan. 29, 1952.

Cars, Railway, and wheelbarrows. United States Steel Corporation. 558,443, May 6; Serial No. 588,246, published Apr. 10, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36 and 38.)

Cars, Railway freight. General American Transportation Corporation. 558,511, May 6; Serial No. 611,267, published Jan. 22, 1952.

Lined brake shoes (riveted), and bonded brake shoes. Cahill Manufacturing Co. 558,435, May 6; Serial No. 579,306, published Feb. 12, 1952.

Motor vehicle accessories. Magnatex Limited. 558,468, May 6; Serial No. 600,495, published Jan. 29, 1952.

Motor vehicle seat and back spring cushions and spring cushion assemblies and coiled springs therefor. L. A. Young Spring and Wire Corporation. 558,406, May 6; Serial No. 535,111, published Jan. 22, 1952.

Seat covers and seat cushions for automobiles. Bertley Company, Incorporated. 558,473, May 6; Serial No. 601,974, published Feb. 12, 1952.

Trucks, Motor. International Motor Company. 291,095, renewed Jan. 26, 1952. O. G. May 6.

Vehicle glass run channels. The Bailey Company, Incorporated. 558,429, May 6; Serial No. 572,824, published Jan. 8, 1952.

Vehicle, Rail traction. Whiting Corporation. 558,528, May 6; Serial No. 612,570, published Jan. 29, 1952.

Vehicles, Automotive. Societe Anonyme André Citroën. 558,421, May 6; Serial No. 589,016, published Jan. 29, 1952.

Vehicles, Automotive. Societe Anonyme André Citroën. 558,422, May 6; Serial No. 589,018, published Jan. 29, 1952.

Visors for motor vehicles. Visilite Corp. 558,551, May 6; Serial No. 616,533, published Feb. 12, 1952.

Wire springs for upholstered automobile seats. The Universal Wire Spring Company. 558,548, May 6; Serial No. 616,213, published Feb. 5, 1952.

CLASS 21

Covers or caps of rubber or other insulating material for terminals of electric appliances. G. J. Harris. 558,533, May 6; Serial No. 613,070, published Feb. 5, 1952.

Electric control boxes. G. H. Bishop Company. 558,485, May 6; Serial No. 604,340, published Feb. 12, 1952.

Electric percolators. Aluminum Goods Manufacturing Company. 558,530, May 6; Serial No. 612,723, published Feb. 5, 1952.

Electric wire cable and rail bonds; and electric furnaces. United States Steel Corporation. 558,443, May 6; Serial No. 594,155, published Jan. 22, 1952. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36 and 38.)

Electrical transmission lines. The American Steel and Wire Company of New Jersey. 558,529, May 6; Serial No. 612,577, published Feb. 5, 1952.

Motors, Electric, electric generators, electric fans, etc. Diehl Manufacturing Company. 558,464, May 6; Serial No. 597,327, published Dec. 25, 1951.

CLASS 22

Dolls. Ideal Novelty & Toy Co. 295,982, renewed July 19, 1952. O. G. May 6.

Tennis rackets, tennis balls, indoor and playground balls, etc. National Bellas Hess Co. Inc. 290,562, renewed Jan. 12, 1952. O. G. May 6.

Toy animals, Mechanical. D. Sebel and Company Limited. 558,561, May 6; Serial No. 572,458.

Toy electric trains and accessories therefor. Winner Toys, Inc. 291,376, renewed Feb. 9, 1952. O. G. May 6.

Toys, Infants' small, hollow rubber. Bayshore Industries, Inc. 558,433, May 6; Serial No. 551,756, published Nov. 15, 1949.

CLASS 23

Automatic and manual marine vehicle steering systems. The Sperry Corporation. 558,442, May 6; Serial No. 586,257, published Jan. 15, 1952.

Automatic centrifugal clutches. Vunlit Corporation. 558,492, May 6; Serial No. 606,350, published Jan. 15, 1952.

Belt conveyor. Island Equipment Corp. 558,440, May 6; Serial No. 585,070, published Jan. 15, 1952.

Bench grinders, Electric. Diehl Manufacturing Company. 558,464, May 6; Serial No. 612,965, published Jan. 22, 1952.

Clamps. The Cincinnati Tool Co. 294,181, renewed May 24, 1952. O. G. May 6.

Cranes and shovels, Mobile. The Browning Crane & Shovel Company. 558,488, May 6; Serial No. 605,144, published Jan. 29, 1952.

Machines for making metal stays and machines for applying metal stays to paper boxes. National Metal Edge Box Company. 294,999, renewed June 14, 1952. O. G. May 6.

Moulding machines. Lith-I-Bar Company. 558,427, May 6; Serial No. 572,257, published Jan. 15, 1952.

Railway car axle drive power take-off units and parts thereof. Pullman-Standard Car Manufacturing Company. 558,489, May 6; Serial No. 605,268, published Jan. 29, 1952.

Railway switches, farm and garden tools. United States Steel Corporation. 558,443, May 6; Serial No. 588,247, published Oct. 2, 1951. (Consolidated certificate, Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36 and 38.)

Sand-blasting machines, Portable wheeled. Blast Machine Co. 558,471, May 6; Serial No. 601,595, published Jan. 22, 1952.

Sewing machines and parts thereof, Household and industrial. Fritz Gegauf Aktiengesellschaft, Bernina-Nähmaschinenfabrik. 558,505, May 6; Serial No. 610,515, published Oct. 16, 1951.

Sprayers, mechanical spreaders, sanding machines, etc. Tarrant Manufacturing Company. 558,434, May 6; Serial No. 579,063, published Jan. 15, 1952.

Sprayers, Portable hand-manipulable. Lowell Specialty Company. 558,543, May 6; Serial No. 614,702, published Jan. 8, 1952.

Tools and machines and parts thereof. Hell-Coil Corporation. 558,518, May 6; Serial No. 611,424, published Jan. 22, 1952.

Valve tappet grinders, valve tappet screw grinders, valve lifter grinders, etc. Ammco Tools, Inc. 558,544, May 6; Serial No. 614,982, published Jan. 15, 1952.

Water pumps, Individual, and individual V-belt pulleys. Utility Appliance Corp. 444,688, May 6; Serial No. 503,684, published Jan. 15, 1952.

CLASS 26

Adding and listing machines. Aktiebolaget Åtvidaberg-Facit. 558,509, May 6; Serial No. 610,944, published Jan. 1, 1952.

Compasses, Beam. V. & E. Manufacturing Co. 558,501, May 6; Serial No. 609,750, published Dec. 4, 1951.

Eyeglass cases. Marioness & Co., Inc. 558,433, May 6; Serial No. 578,983, published Jan. 1, 1952.

Goggles, Shampoo. Pams Products. 558,480, May 6; Serial No. 603,698, published Dec. 25, 1951.

Lens, Plastic cover. Flood Safety Products Company. 558,441, May 6; Serial No. 586,155, published Jan. 1, 1952.

Lenses for spectacles. Filotecnica Salmoiraghi Società per Azioni. 558,478, May 6; Serial No. 603,619, published Dec. 25, 1951.

Lenses for spectacles. Filotecnica Salmoiraghi Società per Azioni. 558,479, May 6; Serial No. 603,621, published Dec. 25, 1951.

Measuring instruments. The Lufkin Rule Company. 392,488, Dec. 30, 1941. Republished May 6.

Measuring tapes. The Lufkin Rule Company. 335,235, May 26, 1936. Republished May 6.

Measuring tapes. The Lufkin Rule Company. 354,372, Feb. 8, 1938. Republished May 6.

Measuring tapes. The Lufkin Rule Co. 427,825–6, Feb. 25, 1947. Republished May 6.

Measuring tapes. The Lufkin Rule Company. 431,741–2, Aug. 5, 1947. Republished May 6.

Measuring tapes, Steel. Master Rule Manufacturing Co., Inc. 558,523, May 6; Serial No. 611,578, published Dec. 25, 1951.

Meters, Coin operated. Remind-A-Meter Corporation. 558,490, May 6; Serial No. 605,679, published Dec. 25, 1951.

Meters, Rotary type integrating flow. Builders Iron Foundry. 558,500, May 6; Serial No. 609,476, published Dec. 11, 1951.

Ophthalmic mountings. Marine Optical Mfg. Co. 558,557, May 6; Serial No. 556,017.

Rules, Folding. Lufkin Rule Co. 212,178, Apr. 27, 1926. Republished May 6.

Rules, Folding. Lufkin Rule Co. 224,093, Feb. 15, 1927. Republished May 6.

Rules, Folding. The Lufkin Rule Company. 379,086, July 2, 1940. Republished May 6.

Tape measures. The Lufkin Rule Company. 381,006–7, Sept. 10, 1940. Republished May 6.

Tape measures. The Lufkin Rule Company. 381,036, Sept. 10, 1940. Republished May 6.

CLASS 28

Rings, Finger. M. Kronstadt. 280,608, Feb. 24, 1931. Republished May 6.

Rings, Wedding. Paramount Wedding Ring Company. 558,565, May 6; Serial No. 586,815.

CLASS 29

Brooms. National Broom Manufacturing Company. 294,903–4, renewed June 7, 1952. O. G. May 6.

CLASS 32

Shelving sold in prefabricated units, Metal. Lennox Metal Manufacturing Company, Inc. 558,568, May 6; Serial No. 590,633.

Window shades. William Volker & Company of Missouri, Inc. 558,570, May 6; Serial No. 596,763.

CLASS 34

Fans, Exhaust. Diehl Manufacturing Company. 558,464, May 6; Serial No. 612,966, published Jan. 22, 1952.

CLASS 35

Tires, Rubber. Atlas Supply Company. 288,702, renewed Nov. 3, 1951. O. G. May 6.

CLASS 36

Wire for use as strings in musical instruments. United States Steel Corporation. 558,443, May 6; Serial No. 594,156, published Sept. 18, 1951. Consolidated certificate. Classes 2, 6, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36, and 38.

CLASS 37

Checks, check-paper, check-books, etc. American Bank Stationery Company. 293,113, renewed Apr. 12, 1952. O. G. May 6.

Paper, drawing-paper, pencil-paper, etc. J. C. Blair Company. 87,414, re-renewed July 16, 1952. O. G. May 6.

Paper napkins. Fort Howard Paper Company. 291,913, renewed Feb. 23, 1952. O. G. May 6.

Paper, Toilet, paper towels, paper napkins, etc. Fort Howard Paper Company. 293,701, renewed May 3, 1952. O. G. May 6.

Paper, Toilet, paper towels, paper napkins, etc. Fort Howard Paper Company. 293,741, renewed May 3, 1952. O. G. May 6.

Paper, Writing and printing. Hampshire Paper Company. 291,297, renewed Feb. 9, 1952. O. G. May 6.

Papers, Gummed, toilet papers, paper cloth. Wortendyke Manufacturing Company. 293,672, renewed May 3, 1952. O. G. May 6.

CLASS 38

Books. Nelson Doubleday, Inc. 558,428, May 6; Serial No. 572,515, published Jan. 29, 1952.

Books and pamphlets, Series of children's educational. Scott, Foresman and Company. 558,487, May 6; Serial No. 604,552, published Feb. 12, 1952.

Books and periodicals. United States Steel Corporation. 558,443, May 6; Serial No. 588,248, published July 24, 1951. Consolidated certificate. Classes 26, 7, 10, 12, 13, 14, 15, 19, 21, 23, 36, and 38.

Books, pamphlets, and magazines. Book Agents of the Methodist Episcopal Church. 558,425, May 6; Serial No. 569,739, published Feb. 12, 1952.

Cartoons, Series of. V. W. Carmack. 558,491, May 6; Serial No. 605,841, published Feb. 12, 1952.

Comic feature. H. M. Cook. 558,536, May 6; Serial No. 613,291, published Feb. 12, 1952.

Greeting cards. Greetings Unlimited and Co. 558,475, May 6; Serial No. 602,507, published Feb. 12, 1952.

Greeting cards. Nu-Art Engraving Co. 558,532, May 6; Serial No. 612,971, published Feb. 12, 1952.

House organ, Periodically issued. Stylon Corporation. 558,539, May 6; Serial No. 613,744, published Jan. 29, 1952.

Magazine. Miller Freeman Publications, Inc. 558,404, May 6; Serial No. 507,268, published Jan. 29, 1952.

Magazine. Stop Publications, Inc. 558,550, May 6; Serial No. 616,342, published Feb. 12, 1952.

Magazines. Dominican Fathers Province of St. Joseph. 295,165, renewed June 21, 1952. O. G. May 6.

Newspaper. Carmi Times Publishing Company. 558,503, May 6; Serial No. 610,001, published Jan. 29, 1952.

Newspaper articles. The Associated Press. 294,403, renewed May 24, 1952. O. G. May 6.

Newspaper feature. W. H. Rousseau, Jr. 558,546, May 6; Serial No. 615,725, published Jan. 29, 1952.

Periodical. Diameter, Inc. 558,531, May 6; Serial No. 612,793, published Feb. 5, 1952.

Periodical. Office Appliance Company. 558,408, May 6; Serial No. 544,597, published Feb. 12, 1952.

Periodicals and instruction booklets. N. V. Nederlandsche Wolspinnerij. 558,482, May 6; Serial No. 603,973, published Feb. 12, 1952.

Printed lesson sheets, printed books, printed manuals, and printed pamphlets. International Schools Company of Latin America. 558,547, May 6; Serial No. 616,173, published Feb. 12, 1952.

Publication, Brief Pub. Inc. 558,538, May 6; Serial No. 613,628, published Jan. 29, 1952.

Publication, Magazine. Izaak Walton League of America, Inc. 558,427, May 6; Serial No. 608,389, published Feb. 5, 1952.

Published analyses relating to newspaper advertising. Small Town & Farm Markets Institute, Incorporated. 558,455, May 6; Serial No. 593,690, published Feb. 12, 1952.

Section in a newspaper. The Register and Tribune Company. 558,549, May 6; Serial No. 616,338, published Feb. 12, 1952.

Sheet music. E. R. French. 558,467, May 6; Serial No. 600,477, published Feb. 12, 1952.

CLASS 39

Boots and shoes. International Shoe Co. 292,666, renewed Mar. 22, 1952. O. G. May 6.

Clothing, Men's, boys', and youths'. Chas. Douglis-Mack Co. Inc. 295,180, renewed June 21, 1952. O. G. May 6.

Clothing, Men's, women's, and children's. Arkwright, Incorporated. 558,562, May 6; Serial No. 578,951.

Coats, jackets, pants, trousers, and breeches, Men's. J. R. Claus. 558,569, May 6; Serial No. 596,076.

Coats, Men's sport. Mayest, Inc. 558,445, May 6; Serial No. 590,168, published June 5, 1951.

Coats, storm coats, sport jackets, etc., Men's top. Outdorable's, Inc. 558,535, May 6; Serial No. 613,280, published Jan. 1, 1952.

Coats, suits, dresses, etc., Children's and misses'. Marianna Girl Coat Co., Ltd. 558,580, May 6; Serial No. 610,859.

Dresses, outer suits for women and children, cloaks, coats, etc. National Bellas Hess Co. Inc. 289,414, renewed Nov. 24, 1951. O. G. May 6.

Dungrees, pedal pushers and shorts, etc., Ladies', misses' and girls'. The H. Zussman & Son Company. 558,418, May 6; Serial No. 562,289, published Jan. 1, 1952.

Garments, Men's and boys' outer. C. Addesso. 558,572, May 6; Serial No. 597,723.

Garter for pants. M. Glasser. 558,499, May 6; Serial No. 609,127, published Nov. 6, 1951.

Gloves, Work. Indianapolis Glove Company. 558,407, May 6; Serial No. 536,609, published Mar. 29, 1949.

Hats, Ladies'. Camp Harry Millinery Company. 558,575, May 6; Serial No. 603,111.

Hosiery. The Alden Mills. 294,543, renewed May 31, 1952. O. G. May 6.

Hosiery. Melville Shoe Corporation. 292,410, Mar. 15, 1932. Republished May 6.

Hosiery, Full fashioned. Berkshire Knitting Mills. 558,424, May 6; Serial No. 569,345, published Feb. 12, 1952.

Hosiery, Ladies' crepe. Rosedale Knitting Company. 558,563, May 6; Serial No. 580,749.

Hosiery, Ladies' crepe nylon. Rosedale Knitting Company. 558,564, May 6; Serial No. 581,212.

Jackets, Boys' and men's denim, men's work pants and shirts, etc. Farah Manufacturing, Inc. 558,581, May 6; Serial No. 610,900.

Jackets, suits and topcoats, etc., Sport. Mavest Inc. 558,510, May 6; Serial No. 611,137, published Jan. 1, 1952.

Overalls. Oshkosh B'Gosh, Inc. 558,416, May 6; Serial No. 558,922, published Jan. 1, 1952.

Overcoats, topcoats, suits, etc., Men's. Jordan Marsh Company. 558,430, May 6; Serial No. 572,853, published Mar. 6, 1951.

Pajamas, Women's. R. F. Propper. 558,526, May 6; Serial No. 612,556, published Jan. 1, 1952.

Pants, work shirts, overalls, etc., Men's and boys' work. Carwood Manufacturing Company. 558,558. May 6; Serial No. 500,859.

Shirts, Dress, negligee and work. H. Perla. 558,410. May 6; Serial No. 548,401, published Jan. 1, 1952.

Shirts, Men's, women's and boys' outer. Eagle Bros. 558,574, May 6; Serial No. 603,004.

Shoes, Men's, women's and children's. Calwelt Shoe Co. 558,582, May 6; Serial No. 615,535.

Shoes, Men's, women's, boys' and girls' leather. The Coward Shoe, Inc. 558,560, May 6; Serial No. 561,730.

Shoes, Misses', juniors', and girls'. National Bellas Hess Co. Inc. 291,745, renewed Feb. 23, 1952. O. G. May 6.

Shoes, Women's and girls'. Victory Shoe Company. 431,489, July 22, 1947. Republished May 6.

Shoes, Women's and misses'. Melori Shoe Corp. 558,584, May 6; Serial No. 619,095.

Shoes, Women's, misses' and growing girls'. Portland Footwear Co. 558,577, May 6; Serial No. 607,094.

Ski suits, beach wear, Children's and women's. Millbrook Manufacturing Corp. 405,866, Feb. 29, 1944. Republished May 6.

Skirts, blouses, dresses, etc., Ladies', misses', and juniors'. Mayflower Dress Co., Inc. 293,783, renewed May 3, 1952. O. G. May 6.

Suits, coats, topcoats, etc., Men's.—Hyde Park Clothes, Inc. 558,494, May 6; Serial No. 607,127, published Jan. 1, 1952.

Suits, Two piece, three piece, and four piece, dress trousers, etc. National Bellas Hess Co. Inc. 293,164, renewed Apr. 12, 1952. O. G. May 6.

Underwear, Men's and boys'. Duofold Health Underwear Company. 295,487, renewed July 5, 1952. O. G. May 6.

CLASS 42

Carpets and rugs, Woven. Hardwick & Magee Company. 87,336, re-renewed July 9, 1952. O. G. May 6.

Sheetings, shirtings, denims, etc. Pepperell Manufacturing Company. 290,560, Jan. 12, 1932. Republished May 6.

CLASS 44

Cellulosic dressing. S. A. R. L. Societe d'Exploitation des Produits des Laboratories Fournier et Cie. 558,419, May 6; Serial No. 565,971, published Feb. 12, 1952.

Exercising machines. Battle Creek Equipment Company. 558,411, May 6; Serial No. 549,413, published Jan. 29, 1952.

Laboratory sterilizers and autoclaves. Barnstead Still and Sterilizer Co. 558,541, May 6; Serial No. 614,035, published Feb. 5, 1952.

Physio-therapy machines, Electrically operated. W. G. Eckert. 558,463, May 6; Serial No. 596,990, published Mar. 20, 1951.

Self-curing plastic and liquids for use in the making and repairing of dental trays. Cosmos Dental Products, Inc. 558,459, May 6; Serial No. 596,156, published Jan. 22, 1952.

Sutures, Boilable and non-boilable. Armour and Company. 558,520, May 6; Serial No. 611,467, published Feb. 12, 1952.

CLASS 46

Bacon. The Hull & Dillon Packing Company. 294,236, renewed May 24, 1952. O. G. May 6.

Beef extract. Armour and Company. 558,486, May 6; Serial No. 604,415, published Feb. 12, 1952.

Canned vegetables, canned fruits, canned tomato juice, and canned puree. Mason Co., Inc. 558,457, May 6; Serial No. 595,115, published Oct. 9, 1951.

Coffee. H. S. Fromme & Co., Inc. 558,496, May 6; Serial No. 608,206, published Feb. 12, 1952.

Coffee and tea. Edmands Coffee Company. 289,197, Nov. 24, 1931. Republished May 6.

Fish meal. Fusterfat Limited. 293,870, renewed May 10, 1952. O. G. May 6.

Flour. Thornton & Chester Milling Company. 86,478, re-renewed May 7, 1952. O. G. May 6.

Flour, Plain and self-rising wheat. King Milling Company. 558,412, May 6; Serial No. 549,554, published Feb. 5, 1952.

Flour, Wheat. Flour Mills of America, Inc. 558,414, May 6; Serial No. 553,593, published Feb. 5, 1952.

Honey. W. F. Straub & Company. 391,401, Nov. 4, 1941. Restricted. O. G. May 6.

Monosodium glutamate used to intensify the flavor of foods. General Mills, Inc. 558,542, May 6; Serial No. 614,085, published Feb. 5, 1952.

Pickles, canned vegetables. American Pickle & Canning Co. 171,311, Aug. 7, 1923. Amended. O. G. May 6.

Pop corn, Sugar coated. H. W. Eakins. 292,548, renewed Mar. 15, 1952. O. G. May 6.

Syrup, Blended cane and corn. Cairo Syrup Company. 295,822, renewed July 12, 1952. O. G. May 6.

Syrup, Cane. Cairo Syrup Company. 295,823, renewed July 12, 1952. O. G. May 6.

Tea. Sembodja Corporation of New York. 558,573, May 6; Serial No. 598,548.

CLASS 47

Wine, Hock-type. California Wine Association. 81,781, re-renewed May 9, 1951. O. G. May 6.

CLASS 50

Fly ribbon, fly paper, fly tape, etc. R. E. Tongue & Bros. Co., Inc. 291,699, Feb. 23, 1932. Republished May 6.

CLASS 51

Dentifrice in the form of tooth paste. R. E. Schubert. 558,566, May 6; Serial No. 588,108.

Lipsticks. The Nestle-LeMur Company. 558,576, May 6; Serial No. 604,736.

Shaving Cream. The Barbasol Company. 558,579, May 6; Serial No. 609,526.

Soaps, namely shaving soap. Los Angeles Soap Company. 293,015, renewed Apr. 5, 1952. O. G. May 6.

Toilet cream. The C. B. Woodworth Sons Co. 70,935, Oct. 20, 1908. Republished May 6.

CLASS 52

Cleaning and glazing wax, Auto. Glaze-All Corporation. 558,461, May 6; Serial No. 596,224, published Jan. 29, 1952.

Cleanser and disinfectant, Chemical. Sanipro Corporation of America, Incorporated. 547,824, Sept. 11, 1951. Corrected. O. G. May 6.

Shampoo. Schieffelin & Company. 292,268, Mar. 8, 1932. Republished May 6.

Soap. Los Angeles Soap Company. 293,016, renewed Apr. 5, 1952. O. G. May 6.

Soap, Auto, dressing for cleaning and treating brake bands, and rain spot removers. The Pep Boys—Manny, Moe & Jack. 558,462, May 6; Serial No. 596,941, published Jan. 29, 1952.

Soap, Perfumed. J. & E. Atkinson, Limited. 558,452, May 6; Serial No. 593,156, published Dec. 25, 1951.

CLASS 101

Income, estate, and inheritance tax services. John J. Cannon. 558,555, May 6; Serial No. 612,011, published Feb. 12, 1952.

CLASS 102

Services in connection with advance provision for funerals. Purple Cross, Inc. 558,552, May 6; Serial No. 541,371, published June 21, 1949.

CLASS 105

Transporting of packing-house products by motor van. Mohawk Motor Lines, Inc. 558,585, May 6; Serial No. 583,158.

CLASS 106

Fertilizer distribution service. Shell Chemical Corporation. 558,553, May 6; Serial No. 595,285, published Feb. 12, 1952.

Finishing of spun rayon and spun nylon fabrics, etc. Marchant Textile Company, Inc. 558,556, May 6; Serial No. 613,514, published Feb. 12, 1952.

Finishing of textile fabrics by rendering said fabrics shrink proof. Peerless Textile Finishing Corp. 558,554, May 6; Serial No. 606,318, published Feb. 12, 1952.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Moffet, William B.

Descanso Distributors, Inc., assignee: *See*—
Lammerts, Walter E.

Grullemans, John J., Shaker Heights, Ohio. Caryopteris plant. 1,091, May 6.

Lammerts, Walter E., assignor to Descanso Distributors, Inc., La Canada, Calif. Ornamental and fruiting peach tree. 1,092, May 6.

Lammerts, Walter E., assignor to Descanso Distributors, Inc., La Canada, Calif. Flowering and fruiting peach tree. 1,093, May 6.

Moffet, William B., Gustine, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,094, May 6.

LIST OF DESIGN PATENTEES

Benigni, Louis, Chicago, Ill. Lamp base. 166,656, May 6.

Benigni, Louis, Chicago, Ill. Lamp base. 166,657, May 6.

Cohen, Harry, Dallas, Tex. Valet stand or similar article. 166,658, May 6.

Colotti, Rocco A., assignor to Victor Industries Corporation, Brooklyn, N. Y. Cosmetic container. 166,659, May 6.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Curtis, Philip C., Scottsdale, Ariz. Chair. 166,660, May 6.

Ekco Products Company, assignee: *See*—
Wagner, Franz.

Farah, Henry, New York, N. Y. Housecoat. 166,661, May 6.

Fasson, Emil C., Inglewood, Calif. Decorative lamp. 166,662, May 6.

Friedman, Anna, New York, N. Y. Petticoat. 166,663, May 6.

Godfrey, Bertha, New York, N. Y. Pillow. 166,664, May 6.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Cocktail table frame. 166,666, May 6.

Grundy, Lester, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y. Octagon table frame. 166,667, May 6.

Guilmette, Arthur C., Sr., Bristol, Conn. Television lamp. 166,665, May 6.

Hardy, William H., River Edge, N. J. Handbag. 166,668, May 6.

Heisler, Harry F., Hudson, Iowa. Overdrive housing. 166,669, May 6.

Hoppel, Clarence, Blair, Nebr. Tank truck body. 166,670, May 6.

Hotpoint Inc., assignee: *See*—
Sandin, Ray C.

International Harvester Company, assignee: *See*—
Ornas, Theodore, Jr.

Jernigan, Albert V., Dallas, Tex. Lighting fixture. 166,671, May 6.

Kantor, Russell P., New York, N. Y. Lady's footcap or the like. 166,672, May 6.

Kartvell, Alexander, Huntington, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Airplane. 166,673, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,674, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,675, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,676, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,677, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,678, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,679, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,680, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,681, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,682, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,683, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,684, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,685, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,686, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,687, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,688, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,689, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 166,690, May 6.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,691, May 6.

Kreisler, Jacques, Manufacturing Corporation, assignee: *See*—
Speck, Kurt.

Lines Bros. Limited, assignee: *See*—
Lines, Walter.

Lines, Walter, Leigh Place, Godstone, Surrey, assignor to Lines Bros. Limited, London, England. Child's tricycle. 166,692, May 6.

Lines, Walter, Leigh Place, Godstone, Surrey, assignor to Lines Bros. Limited, Merton, London, England. Child's bicycle. 166,693, May 6.

Mudda, Lauretta S., Chicago, Ill. Combined relish spoon and fork. 166,694, May 6.

Maldari, Donato, Brooklyn, N. Y. Macaroni. 166,695, May 6.

Molla Incorporated, assignee: *See*—
Grundy, Lester.

Noelting, Elmer H., Evansville, Ind. Card game tray. 166,696, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,697, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,698, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,699, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,700, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,701, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,702, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,703, May 6.

Orloff, Jack, New York, N. Y. Blouse. 166,704, May 6.

Ornas, Theodore, Jr., Fort Wayne, Ind., assignor to International Harvester Company. Vehicle cab. 166,705, May 6.

Pandy, Elmer, Clute, Ontario, Canada. Ash tray. 166,706, May 6.

Paster, Elizabeth, Detroit, Mich. Skating shoe muff. 166,707, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,708, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,709, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,710, May 6.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 166,711, May 6.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 166,712, May 6.

Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 166,713, May 6.

Republic Aviation Corporation, assignee: *See*—
Kartvell, Alexander.

Riordan, John A., Denver, Colo. Toy catapult. 166,714, May 6.

Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator cabinet. 166,715, May 6.

Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator cabinet. 166,716, May 6.

Scalamandré, Gino, Jamaica, N. Y. Textile fabric or similar article. 166,717, May 6.

Schrager, Milton M., Far Rockaway, N. Y. Novelty bracelet or similar article. 166,718, May 6.

Speck, Kurt, Palisades Park, assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Combined expansible watch band and watchcase. 166,719, May 6.

Spiller, Herman, Philadelphia, Pa. Stocking. 166,720, May 6.

Spurgeon, Richard M., assignee: *See*—
Wolf, Alfred E.

Suess, Herbert M., Rockledge, Pa. Stocking. 166,721, May 6.

Ten Eyck, Richard, Wichita, Kans. Duplex house trailer. 166,722, May 6.

Towle Manufacturing Company, assignee: *See*—
Van Koert, John O.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Phillippe, Alfred.
Van Koert, John O., assignor to Towle Manufacturing Company, Newburyport, Mass. Serving knife blade or similar article. 166,723, May 6.
Victor Industries Corporation, assignee: *See*—
Colotti, Rocco A.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Sheet metal. 166,724, May 6.
Watson, Joseph W., Uvalde, Tex. Table and seat unit. 166,725, May 6.
Wittreich, Andrew O., Tenafly, N. J. Traffic sign device. 166,726, May 6.
Wolf, Alfred E., Ephrata, assignor of one-half to R. M. Spurgeon, Center Square, Pa. Lady's stocking. 166,727, May 6.
Wolf, Alfred E., Ephrata, assignor of one-half to R. M. Spurgeon, Center Square, Pa. Lady's stocking. 166,728, May 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A B Svenska Flaktfabriken, assignee: *See*—
Rygård, Sune O.
A/S Norduco, assignee: *See*—
Dijkema, Jan H., and Pluim.
Abbey, Nelson D., assignor to The Etna Machine Company, Toledo, Ohio. Tube cutting machine. 2,596,062, May 6.
Abdallah, Florence A.: *See*—
Azdallah, Subrey and F. A.
Abdallah, Subrey and F. A., Minneapolis, Minn. Automobile door safety latch. 2,595,436, May 6.
Aberle, Roy F., assignor to Southworth Machine Company, Portland, Maine. Sheet jogging mechanism for printing presses. 2,595,437, May 6.
Ackley, Ervin L.: *See*—
Bath, John C., and Ackley.
Acocello, Domenick, Los Angeles, Calif. Door latch. 2,596,003, May 6.
Adams, Grover E., Vermont, Ill. Loading and unloading unit for lift trucks. 2,595,320, May 6.
Adams, Isaac C., assignee: *See*—
Hamby, Walter W.
Adams, Pauline R.: *See*—
Shearer, Rose M., and Adanis.
Adelaar, Hans H.: *See*—
Den Hertog, Martinus, and Adelaar.
Adelson, David E., and H. Daunenberg, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Polymers of allyl alkyl carbonates. 2,595,214, May 6.
Adrian, Joseph, assignor to Super Speed Printing Machinery, Inc., Cleveland, Ohio. Paper drilling machine or the like. 2,595,438, May 6.
Agnew, Robert J., Pawling, assignor to The Texas Company, New York, N. Y. Copolymers of polyesters and conjugated dienes. 2,595,625, May 6.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Ault, Waldo C., Nutting, and Weil.
Aicher, Louis C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Molding insulating material. 2,595,501, May 6.
Aicher, Louis C., Wauwatosa, Wis., and F. J. Vogel, Oak Park, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Variable capacity circuit for dielectric heating apparatus. 2,595,502, May 6.
Air Preheater Corporation, The, assignee: *See*—
Austin, William W.
Holm, Sven, and Jensen.
Aktiebolaget Separator, assignee: *See*—
Zachariassén, Stig H. B.
Aladdin Industries, Incorporated, assignee: *See*—
Bramming, Carl.
Albany Corrugated Container Corporation, assignee: *See*—
Friesner, Claude R.
Alco Valve Company, assignee: *See*—
MacDougall, Franklin M.
Aldrich, Paul H.: *See*—
Keene, Howard B., Anderson, and Aldrich.
Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Turbine rotated antenna with electromagnetic answer-back means. 2,595,912, May 6.
Allen, Frank B., Verona, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Inflation valve. 2,595,218, May 6.
Allied Chemical & Dye Corporation, assignee: *See*—
Darley, Merrill M.
Fleysher, Maurice H., and Sievenpiper.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Aicher, Louis C.
Aicher, Louis C., and Vogel.
Altgelt, Herman E., assignor to Deere & Company, Moline, Ill. Crop baler with means for grooving bales formed thereby. 2,595,503, May 6.
Altman, Peter, assignor to Continental Motors Corporation, Detroit, Mich. Power plant. 2,595,558, May 6.
Alvord, Charles C., assignor to Norton Company, Worcester, Mass. Plural liquid unit for grinding machines. 2,595,559, May 6.
American Bosch Corporation, assignee: *See*—
Chmura, Theodore S., and Wood.
American Brake Shoe Company, assignee: *See*—
Price, Donald A., Sr.
American Car and Foundry Company, assignee: *See*—
Folmsbee, Clyde H.
Kahler, Otto A.
American Chain & Cable Company, Inc., assignee: *See*—
Bratz, Otto J.
American Cyanamid Company, assignee: *See*—
Bernstein, Seymour, Glancola, and Sax.
Clapp, James W., and Roblin.
Daniel, John H., Jr., and Landes.
Dudley, James R.
Dudley, James R., and Anthes.
Hook, Edwin O., and Moss.
Petty, Milton A.
Thomas, Walter M., and Price.
American Laundry Machinery Company, The, assignee: *See*—
Howland, Frederick W.
American Seating Company, assignee: *See*—
Hoven, Alfred C., Nordmark, and Huhta.
American Viscose Corporation, assignee: *See*—
Cornwell, Ralph T. K.
Richter, George A., Jr.
Andersen, Raymond C., Lombard, assignor to Chicago Metal Hose Corporation, Maywood, Ill. Tubemaking machine. 2,595,747, May 6.
Anderson, Douglas A.: *See*—
Keene, Howard B., Anderson, and Aldrich.
Anderson, Einar H., Joliet, Ill. Two-stage jaw crusher. 2,595,219, May 6.
Anderson, Ernest H., Jamestown, N. Y. Spring and mattress support for beds and the like. 2,595,321, May 6.
Anderson, John W., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper blade linkage assembly. 2,596,063, May 6.
Anderson, Wilmer C., assignor to Deering Milliken Research Trust, Greenwich, Conn. Production and utilization of control signals. 2,595,220, May 6.
Andrews, Glenn E., Andover, assignor to Raytheon Manufacturing Company, Newton, Mass. Heating apparatus. 2,595,748, May 6.
Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen "Energa," assignee: *See*—
Brandt, Edgar W.
Anthes, John A.: *See*—
Dudley, James R., and Anthes.
Appleton, Albert, and R. A. Collinge, Earlestown, Newton-le-Willows, assignors to T. & T. Vicars Limited, Newton-le-Willows, England. Device for forming articles from plastic sheet or web materials. 2,595,560, May 6.
Arato, Achille, Turin, Italy. Variable-speed transmission mechanism. 2,595,439, May 6.
Argus Cameras, Inc., assignee: *See*—
Wilkinson, Leonard A.
Armour and Company, assignee: *See*—
Hull, Maurice E.
Maxwell, Loyal C., and Hinkel.
Wiesman, Clarence K., Whetzell and Schjeldahl.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Gay, Herman P.
Arnold, George B.: *See*—
Pevere, Ernest F., and Arnold.
Arnot, Alfred E. R., assignor to E. Kaye and J. R. Sharp, Isleworth, England. Electric motor-driven installation. 2,595,749, May 6.
Arntzen, Clyde E.: *See*—
Swiss, Jack, and Arntzen.
Arundale, Erving: *See*—
Levonmark, George F., and Arundale.
Askania Regulator Company, assignee: *See*—
Johnston, Jesse, and Vaaler.
Atlas Powder Company, assignee: *See*—
Lew, Bank W.
Ault, Waldo C., Philadelphia, G. C. Nutting, Abington, and J. K. Weil, Lansdale, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Esters of polyhydroxy-benzoic acids and their preparation. 2,595,221, May 6.
Austin, William W., Wellsville, assignor to The Air Preheater Corporation, New York, N. Y. Heat exchanger made from punched plates. 2,595,440, May 6.
Avery, Benjamin B., Tucson, Ariz. Miter guide for power saws. 2,595,322, May 6.
Avery, Harold T., Oakland, Calif. Producing thrust 2,595,504, May 6.
Aviation Developments Limited, assignee: *See*—
Springate, Maurice S.
Avins, Jack, Staten Island, N. Y., assignor to Radio Corporation of America. Angle modulated carrier wave receiver. 2,595,441, May 6.
Babcock & Wilcox Company, The, assignee: *See*—
Grossman, Paul R.
Leach, Lester L.

Bachle, Carl F., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich. Coaxial combustion products generator, turbine, and compressor. 2,595,505, May 6.

Back, Frank G., New York, N. Y. Optical system and illuminated reticle for reflex cameras. 2,595,750, May 6.

Backman, John W., Los Angeles, Calif., assignor to Southern California Glass Co., Inc. Adjustable door jamb. 2,595,506, May 6.

Bagshaw, Charles M., and H. Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,595,323, May 6.

Bailey, John T., Short Hills, N. J. Bridge circuit. 2,595,626, May 6.

Bailey Meter Company, assignee: *See*—
Junkins, Raymond D.

Bally, Edgard W., Purley, assignor to Paterson Engineering Company, Ltd., London, England. Filter. 2,595,913, May 6.

Baker Castor Oil Company, The, assignee: *See*—
Smith, Malcolm K.

Baker, Donald J., Los Angeles, Calif. Phonograph pickup with shock-proof mounting. 2,595,561, May 6.

Baker, Harry E., Macomb, Ill. Poultry feeder. 2,595,324, May 6.

Baker-Raulang Company, The, assignee: *See*—
Lawless, Nathan M.

Baker, William R.: *See*—
Simpson, Kenneth H., Baker, and Kerns.

Bakke, Hans A.: *See*—
Goss, James H., Mendelsohn, and Bakke.

Balas Collet Manufacturing Co., The, assignee: *See*—
Cox, John R.

Ball Ice Machine Co., assignee: *See*—
McCoy, Lloyd L.

Balmer, Oliver C.: *See*—
Grandinetti, Eugene, Rush, and Balmer.

Balstad, Edward, Milwaukee, Wis. Roller skate. 2,595,751, May 6.

Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,595,914, May 6.

Barber, Everett M., Wappingers Falls, assignor to The Texas Company, New York, N. Y. Internal-combustion engine. 2,595,915, May 6.

Barnebl, August C., Chicago, Ill., and W. J. Riker, Englewood, N. J., assignors to Oliver United Filters Incorporated, Oakland, Calif. Ion exchange reactor. 2,595,627, May 6.

Barnes, James F., Chicago, Ill. Clothes hanger. 2,595,442, May 6.

Barrett, William R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Clearance pocket type compressor piston. 2,596,004, May 6.

Barrow, James R., assignor to The Columbiana Boiler Company, Columbiana, Ohio. Skid supported tank. 2,596,005, May 6.

Bartels, Wilhelmus H. G., assignor to Chemische Fabriek L. Van Der Grinten, Venlo, Netherlands. Light sensitive positive printing diazotype paper having a calendered surface. 2,595,916, May 6.

Bass, John R.: *See*—
Brown, Cicero C., and Bass.

Bath, John C., Worcester, and E. L. Ackley, Northboro, assignors to John Bath & Company, Worcester, Mass. Adjustable and retractable internal thread gauge. 2,595,917, May 6.

Bath, John, & Company, assignee: *See*—
Bath, John C., and Ackley.

Batts, Charles C., Elizabeth City, Va. Vacuum cleaner support. 2,595,752, May 6.

Bauernfeind, Jacob C.: *See*—
Boruff, Clair S., Stone, Bauernfeind, and Garey.

Baule, Gerhard H. J., Salina, N. Y. Transmission mechanism. 2,595,628, May 6.

Baumgartner, John R., Milwaukee, Wis. Paper web guide mechanism. 2,595,325, May 6.

Bayuk, Robert R., and J. A. Mileti, Jr., Dayton, Ohio. Automatic liquid extraction valve for gas storage tanks. 2,595,222, May 6.

Beardsley, Kenneth D., Pittsfield, Mass., assignor to General Electric Company. Equalizer winding for five-legged three-phase cores. 2,595,753, May 6.

Beatrice, Gabriel C., Shrewsbury, and A. C. Krukonis, Auburn, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread remover. 2,595,629, May 6.

Beaumont Birch Company, assignee: *See*—
Hale, William E.

Bechik, Michael, assignor to Bechik Products, Inc., St. Paul, Minn. Mattress handle assembly. 2,595,326, May 6.

Bechik Products, Inc., assignee: *See*—
Bechik, Michael.

Beck, Nevitt S., Euclid, Ohio. Sanitary garment. 2,595,507, May 6.

Becker, Harry W., Chicago, Ill. High fidelity amplifier. 2,595,443, May 6.

Becker, Harry W., Chicago, Ill. Amplifier. 2,595,444, May 6.

Becker, Karl H., assignor to Philco Corporation, Philadelphia, Pa. Mounting apparatus for loud-speakers and the like. 2,595,562, May 6.

Bedford, Alexander W., Jr., Schenectady, N. Y., assignor to General Electric Company. Electromagnet. 2,595,755, May 6.

Bedford, Leslie H., London, J. Bell, and E. M. Langham, Teddington, assignors to A. C. Cossor Limited, London, England. Null voltage indicating circuit. 2,595,754, May 6.

Beidler, Edward A.: *See*—
Graham, Marion E., and Beidler.

Bell, John: *See*—
Bedford, Leslie H., Bell, and Langham.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dimond, Thomas L.
Dolm, Stephen, Jr., and Jansen.
Fisk, James B.
Gaines, Wilbur L.
Goehner, William R.
Hersey, Ralph E.
Houghton, Edward W.
Lewis, Willard D.
Morton, Jack A.
Potter, Ralph K.

Belluche, Frank R., assignor to The Christensen Machine Company, Racine, Wis. Side gauge for sheet feeders. 2,595,630, May 6.

Bemis Bro. Bag Company, assignee: *See*—
Brady, Charles V., and Ottinger.

Bendix Aviation Corporation, assignee: *See*—
Fox, Kenneth H.
Konet, Henry, and Noxon.
Miller, Donald L.

Benson Manufacturing Company, assignee: *See*—
Dean, George A.

Berkey, Donald C.: *See*—
Buckland, Bruce O., and Berkey.

Bernstein, Seymour, Pearl River, N. Y., D. J. Giancola, Jersey City, N. J., and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparing $\Delta^{3,7}$-pregnadienes. 2,595,327, May 6.

Bertsch, Emil, Bombay, India, assignor to G. Volkart, Winterthur, Switzerland. Method and apparatus for cooling concrete mixture components. 2,595,631, May 6.

Best, Cyril: *See*—
Molins, Desmond W., Best, and Chandler.

Bigelow, John E.: *See*—
Rich, Theodore A., and Bigelow.

Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Control of textile fibers during drafting operations. 2,595,918, May 6.

Bishop, G. H., Company, assignee: *See*—
Freeman, David A.
Schultz, Roy M.

Bishop, Glenn A., Wilmette, R. B. Bishop, Arlington Heights, and C. E. Jones, assignors to Bishop Publishing Company, Chicago, Ill. Display device. 2,596,064, May 6.

Bishop Publishing Company, assignee: *See*—
Bishop, Glen A. and R. B., and Jones.

Bishop, Robert B.: *See*—
Bishop, Glenn A. and R. B., and Jones.

Bivings, Albert E. and J. A., and P. H. Dunnam, Odessa, Tex. Hydraulic electromagnetic well fishing tool. 2,595,632, May 6.

Bivings, John A.: *See*—
Bivings, Albert E. and J. A., and Dunnam.

Black, Nolan S., Highland Park, Mich., assignor to National Steel Corporation. Building foundation. 2,595,633, May 6.

Bogan, Charles W.: *See*—
Connor, Kathleen M., and Bogan.

Bolidens Gruvaktiebolag, assignee: *See*—
Henriksson, Sten T.
Kalling, Bo M. S., Sundgren-Walldén, Walldén, and Sivander.

Bolton, John W., & Sons, Inc., assignee: *See*—
Prevost, Bruno E.

Bonanno, Joseph L., Madison, N. J., assignor to The Lionel Corporation, New York, N. Y. Remote-control system employing a thermal delay switch. 2,595,919, May 6.

Bondley, Ralph J., Scotia, and H. W. Lord, Schenectady, N. Y., assignors to General Electric Company. Control means for high-frequency power oscillators. 2,595,756, May 6.

Border, Lawson E.: *See*—
Trainer, Richard P., and Border.

Borg-Warner Corporation, assignee: *See*—
Nutt, Harold.

Boruff, Clair S., and L. Stone, Peoria, Ill., J. C. Bauernfeind, Nutley, N. J., and J. C. Garey, State College, Pa., assignors to Hiram Walker & Sons Inc., Peoria, Ill. Recovery of feed products from stillage by fermentation. 2,595,827, May 6.

Bottum, Edward W., Detroit, Mich. Dehydrator structure. 2,595,445, May 6.

Bowen, Claude T., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Heat-transfer container. 2,595,328, May 6.

Boyd, John R.: *See*—
Way, Stewart, Hershey, and Boyd.

Boyd-Welsh, Inc., assignee: *See*—
Jonas, Gilbert F.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pressurized alkali-metal tube. 2,595,634, May 6.

Boyko, John: *See*—
Mullen, Edward, and Boyko.

Brabets, Robert I., Hazelcrest, assignor to Swift & Company, Chicago, Ill. Propane decolorizing. 2,596,065, May 6.

Brady, Charles V., and A. F. Ottinger, assignors to Bemis Bro. Bag Company, St. Louis, Mo. Valved bag and its manufacture. 2,595,446, May 6.

Bramming, Carl, Anderson, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Attaching electric lamp sockets to tubular lamp bases. 2,596,006, May 6.

Brandt, Edgar W., Geneva, Switzerland, assignor to Anstalt fur die Entwicklung von Erfindungen und Gerwerblichen Anwendungen "Energa," Vaduz, Liechtenstein. Fuse. 2,595,757, May 6.

Braselton, Chester H., New York, N. Y. Cosmetic applicator. 2,595,635, May 6.

Bratz, Otto J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Degreasing machine. 2,595,920, May 6.

Braun, Richard T., Port Arthur, Tex., assignor, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y. Vaporizing and burning sulfur. 2,595,447, May 6.

Breese Burners, Inc., assignee: *See*—
Breese, James L.

Breese, James L., assignor to Breese Burners, Inc., Santa Fe, N. Mex. Portable military burner unit. 2,595,448, May 6.

Bridges, Robert G., San Carlos, Calif. Roller screen. 2,595,508, May 6.

Brighton, Cyril A., Penarth, Wales, and D. Faulkner, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Stabilization of vinylidene chloride resins. 2,595,636, May 6.

Brinkman, Herbert C., and K. R. Weber, assignors to Stacey Bros. Gas Construction Company, Cincinnati, Ohio. Gasholder. 2,596,066, May 6.

Brissey, George E., assignor to Swift & Company, Chicago, Ill. Preparing cooked cured meats. 2,596,067, May 6.

Bromilow & Edwards Limited, assignee: *See*—
Kinnaird, James A.

Brooks, James L., Blytheville, Ark. Vehicle seat guard. 2,595,329, May 6.

Brown, Allan R., Santa Cruz, Calif. Rotary drier and disintegrator. 2,595,509, May 6.

Brown, Charles E., and H. M. Smith, Detroit, Mich. Needle. 2,595,758, May 6.

Brown, Cicero C., Houston, and J. R. Bass, Brenham, Tex., said Bass assignor to said Brown. Jar type well packer. 2,595,563, May 6.

Brown, Frederick J., Tampa, Fla. Wrist watch protector. 2,595,330, May 6.

Brown, George H.: *See*—
Coffing, Frederick W., and Brown.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.

Brown, Walter J.: *See*—
Rutter, Donald E., Shaper, and Brown.

Bruengger, Heinrich: *See*—
Gruenacher, Charles, and Bruengger.

Brush Development Company, The, assignee: *See*—
Rutter, Donald E., Shaper, and Brown.

Buckland, Bruce O., Schenectady, and D. C. Berkey, Scotia, N. Y., assignors to General Electric Company. Atomizing nozzle for spraying viscous liquids. 2,595,759, May 6.

Budd, Robert, Wilmington, N. C. Hair dresser's guide. 2,595,564, May 6.

Bunch, Peter, Chicago, P. Mittomme, Cicero, and R. Jennings, assignors to Wilson-Jones Company, Chicago, Ill. Casemaker. 2,596,068, May 6.

Burndept Limited, assignee: *See*—
Lewis, Richard W., and Richardson.

Burnett, John L., and B. Smith, assignors to Modern Music, Inc., Kansas City, Mo. Apparatus for transmission of music from a central studio to a plurality of subscribers. 2,595,510, May 6.

Burton, William P., Orange, and E. Solomon, Nutley, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,595,223, May 6.

Buss Machine Works, assignee: *See*—
Petter, Jay C.

Butler, Albert, assignor to Imperial Optical Company, Ltd., Toronto, Ontario, Canada. Mounting lenses. 2,595,760, May 6.

Butler, William F., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Pinch valve. 2,595,511, May 6.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Crankshaft. 2,595,761, May 6.

Buttrick, James C., Scarbro, W. Va. Cutting unit for mining machines. 2,595,565, May 6.

Butz, Stephen C., Zion, Ill. Swinging auxiliary barber's rest. 2,595,921, May 6.

Byrnes, John J., Newark, N. J. Base for motors. 2,595,637, May 6.

C. A. V. Limited, assignee: *See*—
Curzon, Thomas.

C. D. Patents Limited, assignee: *See*—
Kaufman, Morris, and Williams.

C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.

Cahen, Herman S., University Heights, Ohio. Apparatus for lighting cigarettes and the like. 2,595,512, May 6.

Caldwell, Clyde L., Long Beach, Calif., assignor to Houdry Process Corporation, Wilmington, Del. Method and apparatus for processes employing fluent solids. 2,595,224, May 6.

Caldwell, John B., A. A. Ginsberg, and S. W. Wolf, Toronto, Ontario, Canada. Conveyer feeding device. 2,595,762, May 6.

California Container Corporation, assignee: *See*—
Shoudy, Paul A.

Calihan, Paul F., Red Wing, and S. A. Mortenson, Minneapolis, Minn. Combination vision mirror and signaling device. 2,595,331, May 6.

Cammasio, Carlo, G. A. Venturelli, and G. Colalupo, Milan, assignors to Officine Moncenisio, gaà An. Bauchiero, Turin, Italy. Circular knitting machine for stockings and the like. 2,595,922, May 6.

Campbell, A. S., Co., Inc., assignee: *See*—
Hill, Hillary L.

Carborundum Company, The, assignee: *See*—
Tone, Frank J., and Martin.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. Universal pipe connection for spill burners. 2,595,566, May 6.

Carlson, Carl S.: *See*—
Morrell, Charles E., Robertson, and Carlson.

Carlson, Carl S., and W. E. Catterall, Roselle, and J. H. Staib, Scotch Plains, N. J., assignors to Standard Oil Development Company. Treatment of oxo alcohols by caustic and air. 2,595,763, May 6.

Carlson, Henry L., Kings Park, N. Y. Cement concrete portable tank structure. 2,595,923, May 6.

Carlson, Oscar N., and H. A. Wilhelm, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Quaternary bismuth alloy. 2,595,924, May 6.

Carlson, Oscar N., and H. A. Wilhelm, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Quaternary bismuth alloy. 2,595,925, May 6.

Casaroll, Ernest J., Detroit, Mich. Adjustable shaft connector. 2,596,007, May 6.

Castelow, Alfred H., Hurstville, near Sydney, New South Wales, Australia. Machine for separating membranes of animal intestines. 2,595,638, May 6.

Cataldo, John B.: *See*—
O'Brien, Joseph F., and Cataldo.

Catterall, William E.: *See*—
Carlson, Carl S., Catterall, and Staib.

Celanese Corporation of America, assignee: *See*—
Drewitt, James G. N., and Lincoln.
Heiserman, Clarence E.

Central Mine Equipment Company, assignee: *See*—
Huckshold, Elmer J.

Century Geophysical Corporation, assignee: *See*—
Fisher, James L.

Chambers, Albert M., Jr., assignor to The Garlock Packing Company, Palmyra, N. Y. Sealing device. 2,595,926, May 6.

Chandler, Edward A.: *See*—
Molins, Desmond W., Best, and Chandler.

Chandler and Price Company, The, assignee: *See*—
Root, Charles F.

Chapin, Barton H., assignor to The Kawneer Company, Niles, Mich. Glass setting device. 2,595,927, May 6.

Chapman, Emmeline T., administratrix: *See*—
Chapman, Penrose E., and P. E. Chapman, Jr.

Chapman, Penrose E., and Penrose E. Chapman, Jr., deceased, St. Louis, Mo.: E. T. Chapman, administratrix of said P. E. Chapman, Jr. Winding machine. 2,595,332, May 6.

Chapman, Penrose E., Jr.: *See*—
Chapman, Penrose E., and Penrose E. Chapman, Jr.

Charlton, Sydney: *See*—
Egerton, William E., and Charlton.

Charpentier Paul, Choisyle-Roi, assignor to Societe Des Usines Chimiques Rhone Poulenc, Paris, France. Phenothiazine derivatives and their preparation. 2,595,215, May 6.

Chelgren, Arvid E., Elmhurst, Ill., assignor to Zenith Radio Corporation. High-frequency resonant circuit. 2,595,764, May 6.

Chemische Fabriek L. Van Der Grinten, assignee: *See*—
Bartels, Wilhelmus H. G.

Chemstrand Corporation, The, assignee: *See*—
Ham, George E.

Chicago Metal Hose Corporation, assignee: *See*—
Andersen, Raymond C.

Chmura, Theodore S., Chicopee, and G. B. Wood, Jr., assignors to American Bosch Corporation, Springfield, Mass. Fuel injection apparatus. 2,595,639, May 6.

Christensen Machine Company, The, assignee: *See*—
Belluche, Frank R.

Christi, Hugh, assignee: *See*—
McGill, Dennis M.

Christopoulos, Telemachus G., Lynn Haven, Va. Toe spacing device. 2,595,640, May 6.

Chrysler Corporation, assignee: *See—*
Butterfield, John P.
Loofbourrow, Alan G.
Mulhern, William A.
Smith, Wallace H.
Vogt, Paul R., and Jacob.

Ciba Limited, assignee: *See—*
Graenacher, Charles, and Bruengger.

Clapp, George D., assignor to Leach Company, Oshkosh, Wis. Silo unloader. 2,595,333, May 6.

Clapp, James W., Darien, and R. O. Roblin, Jr., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Benzothiazolesulfonamides and preparing the same. 2,595,334, May 6.

Clarke, Albert E.: *See—*
Clarke, John S. and A. E., and Coupe.

Clarke, John S., Blako, near Nelson, A. E. Clarke, Brierfield, Burnley, and N. P. Coupe, Burnley, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel burner. 2,595,765, May 6.

Clausen, Howard F.: *See—*
Walz, Claude W., and Clausen.

Clearwater, Fred E., Providence, R. I. Apparatus for removing toothpicks from beads. 2,595,641, May 6.

Clemmons, Herbert D., Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Ball cock valve. 2,595,766, May 6.

Clendenin, Aubrey L., assignee: *See—*
Lewis, Harold G.

Clendenin, Jesse C., assignee: *See—*
Lewis, Harold G.

Closson, Rex D.: *See—*
Ligett, Waldo B., Closson, and Wolf.

Coe, Jerome T., Schenectady, and W. A. Schwenker, Alplaus, N. Y., assignors to General Electric Company. Synthesis of phenylchlorosilanes. 2,595,767, May 6.

Coffing, Fredrick W., and G. H. Brown, Danville, Ill. Bed cover support. 2,595,449, May 6.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Releasing type hook. 2,595,450, May 6.

Coffing Hoist Company, assignee: *See—*
Coffing, Frederick W.

Coffman, Donald D., West Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric poly-quaternary ammonium salts. 2,595,225, May 6.

Colalupo, Giuseppe: *See—*
Camnasio, Carlo, Venturelli, and Colalupo.

Coleman, William L., assignee: *See—*
Rausch, Eugene E.

Collinge, Richard A.: *See—*
Appleton, Albert, and Collinge.

Collins & Aikman Corporation, assignee: *See—*
Bird, Whitworth F.

Collins, Ronald B., D. J. Fry, and O. E. Pratt, assignors to Ilford Limited, Ilford, England. Photographic color correction. 2,595,768, May 6.

Collins, Samuel C., Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Heat exchanger. 2,596,008, May 6.

Columbiana Boiler Company, The, assignee: *See—*
Barrow, James R.

Conner, Guy O., Cleveland Heights, Ohio, assignor to Diamond Building Products Corporation, Pittsburgh, Pa. Window construction. 2,595,451, May 6.

Connor, Kathleen M., and C. W. Bogan, Washington, D. C. Bottleholder. 2,596,009, May 6.

Consolidated Machine Tool Corporation, assignee: *See—*
Langdon, Howard H.

Continental Aviation & Engineering Corporation, assignee: *See—*
Bachle, Carl F.

Continental Motors Corporation, assignee: *See—*
Altman, Peter.

Cook Electric Company, assignee: *See—*
Hasselhorn, Walter C.

Cook, James F.: *See—*
Worth, Harry J., Page, and Cook.

Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Conveyer having dust separating and removal means. 2,595,226, May 6.

Cooley, Hal, assignor to M. J. Noregaard, Portland, Oreg. Magnet operated switch. 2,595,769, May 6.

Cornwell, Ralph T. K., Rosemont, Pa., assignor to American Viscose Corporation, Wilmington, Del. Molding powders from urea and gaseous formaldehyde. 2,595,335, May 6.

Corsentino, Pete, Longmont, Colo. Power transmission mechanism for farm implements. 2,595,336, May 6.

Cossor, A. C., Limited, assignee: *See—*
Bedford, Leslie H., Bell and Langham.

Cotterell, Maurice S., assignee: *See—*
Fox, Clarence D.

Cotton, William J., Butler, Pa. Electrical oxidation of aralkyl hydrocarbon. 2,595,227, May 6.

County Commercial Cars Limited, assignee: *See—*
Tapp, Ernest T. J., and Davey.

Coupe, Noel P.: *See—*
Clarke, John S., A. E., and Coupe.

Cox, John R., assignor to The Balas Collet Manufacturing Co., Cleveland, Ohio. Collet. 2,595,828, May 6.

Coyner, James M., Madison, Wis. Watering and feeding device for stock cars. 2,595,337, May 6.

Crawford, Chester C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction of vegetable oils. 2,596,010, May 6.

Creelman, George D., Cleveland Heights, Ohio, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Distillation of Carbonaceous solids. 2,595,338, May 6.

Cribben and Sexton Company, assignee: *See—*
Nelson, James A., and Port.

Crist, Philip W., Hempstead, assignor to The Sperry Corportation, Great Neck, N. Y. Control circuit for cathode-ray oscilloscopes. 2,595,228, May 6.

Crome, Lester C., West Alexandria, assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Producing malleable iron castings. 2,595,567, May 6.

Crompton & Knowles Loom Works, assignee: *See—*
Beatrice, Gabriel C., and Krukonis.

Crossley, Royal E., Fayetteville, and H. M. Pattat, North Syracuse, assignors to Crouse-Hinds Company, Syracuse, N. Y. Rotating beacon having independently adjustable light units retractably mounted for servicing. 2,595,770, May 6.

Crouch, Willie W.: *See—*
Schulze, Walter A., and Crouch.

Crouse-Hinds Company, assignee: *See—*
Crossley, Royal E., and Pattat.

Crowley, Henry L., & Co., Inc., assignee: *See—*
Graham, Marion E., and Beidler.

Cunningham, Hugh R.: *See—*
Scanlan, Robert W., and Cunningham.

Cureton, William, Oak Park, Ill. Coupling for rotating shafts. 2,595,513, May 6.

Currie, Chester C., and M. C. Hommel, assignors to Dow Corning Corporation, Midland, Mich. Antifoam emulsion. 2,595,928, May 6.

Curtis, George W., Milwaukee, Wis. Tractor drive and control mechanism. 2,595,229, May 6.

Curtis, Henry A.: *See—*
Thomson, Thomas B., and Curtis.

Curtiss-Wright Corporation, assignee: *See—*
Neal, Adrain D., Peet and Dell.

Curzon, Thomas, assignor to C. A. V. Limited, London, England. Electric fixture for elongated tubular lamps. 2,595,771, May 6.

Cushman, Walton W., Webb City, Mo. Liquid injector for internal-combustion engines. 2,595,379, May 6.

Cutler-Hammer, Inc., assignee: *See—*
Hansen, Kenneth R., and Jochem.

Cutter Laboratories, assignee: *See—*
Butler, William F.

Daland, Elliot, Wallingford, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Aircraft rotor blade pitch control linkage. 2,595,642, May 6.

Da-Lite Screen Company, Inc., assignee: *See—*
Du Mais, Leo J., and Prokop.

Daniel, John H., Jr., Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Wet strength paper and the production thereof. 2,595,935, May 6.

Dannenberg, Hans: *See—*
Adelson, David E., and Dannenberg.

Darley, Merrill M., Jackson Heights, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Dust gun. 2,596,011, May 6.

Dartt, Thornton E., Cameron, N. Y. Display stand for Christmas tree lamp assembly. 2,595,929, May 6.

Daugherty, Burton P., Jr., Washington, D. C. Strap construction for bathing sandals. 2,595,643, May 6.

Daussat, Russell L., and C. T. Steele, Baton Rouge, La., assignors to Standard Oil Development Company. Preparing catalysts. 2,595,772, May 6.

Davco Incorporated, assignee: *See—*
Davis, Ray B.

Davey, Joseph: *See—*
Tapp, Ernest T. J., and Davey.

Davian, Jerome G., Waterville, Maine. Fishing rod case. 2,595,230, May 6.

Davis, Arthur P.: *See—*
Grosvenor, William M., Jr., and Davis.

Davis, David L.: *See—*
Messer, John S., and Davis.

Davis, Elwood T., Brookline, assignor to Leeds and Northrup Company, Philadelphia, Pa. Control system. 2,595,644, May 6.

Davis, Ernest, and E. A. Winnewisser, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Cuff clamp mechanism for sleeve presses. 2,595,514, May 6.

Davis, Ray B., Newton Center, assignor, by mesne assignments, to Davco Incorporated, Boston, Mass. Orchard heater. 2,595,773, May 6.

Davis, William H. H., and F. V. Schleimer, San Francisco, Calif., said Schleimer assignor to Duart Manufacturing Co., Ltd. Hair curling device. 2,595,645, May 6.

Davy and United Engineering Company Limited, assignee: *See—*
Russell, Robert G.

Dayton Malleable Iron Company, The, assignee: *See—*
Crome, Lester C.

Dayton Pump & Manufacturing Company, The, assignee: *See—*
Von Rotz, Robert.

Dean, George A., Radburn, N. J., assignor to Benson Manufacturing Company, Kansas City, Mo. Axial flow fan and compressor. 2,595,829, May 6.

De Boisblanc, Deslonde R.: *See—*
Heuneman, Clarence O., and de Boisblanc.

De Brey, Heinrich, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., trustee. Thermostatic fuel valve control for hot-gas engine heaters. 2,596,012, May 6.

Dederick, Clinton H., Brentwood, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Centrifugal actuator. 2,595,930, May 6.

Deere & Company, assignee: *See—*
Altgelt, Herman E.
Paradise, Louis A.
Stueland, Harold M.
Walz, Claude W., and Clausen.
White, Charles H.

Deere Manufacturing Co., assignee: *See—*
Fletcher, Edward H., and Ethington.

Deering Milliken Research Trust, assignee: *See—*
Anderson, Wilmer C.
Klein, Norman E.

De Groot, Folkert A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiver with automatic frequency control. 2,595,931, May 6.

Dell, George J.: *See—*
Neal, Adrian D., Peet and Dell.

Demboske, Edward J., assignee: *See—*
Demboske, Joseph B.

Demboske, Joseph B., assignor to E. J. Demboske, Berea, Ohio, and R. E. Demby, Battle Creek, Mich. Welding nut. 2,595,830, May 6.

Demby, Ray E., assignee: *See—*
Demboske, Joseph B.

De Ment, Jack, Portland, Oreg. Protection of structures from noxious atmospheres. 2,595,774, May 6.

Den Herder, Marvin, Chicago, Ill., and L. Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Cogelation of silica and alumina sols at pH 3.5–6.5. 2,595,339, May 6.

Den Hertog, Martinus and H. H. Adelaar, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Selective system. 2,595,378, May 6.

De Nie, Willem L. J., London, England, and R. H. M. Meijer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Disintegrating conglomerates of polymer particles. 2,595,831, May 6.

Dermond, Lawrence C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starting and propeller blade pitch adjusting apparatus. 2,595,231, May 6.

De Wrangell, Serge, Paris, France. Hydraulic valve operating system. 2,595,775, May 6.

Diamond Building Products Corporation, assignee: *See—*
Conner, Guy O.

Diethelm, John A., Victoria, Minn. Beet harvester. 2,595,340, May 6.

Dijkema, Jan H., and J. Pluim, Haarlem, Netherlands, assignors to A/S Norduco, Oslo, Norway. Converting a potassium salt of a highly nitrated secondary aromatic amine to free amine and potassium nitrate. 2,595,568, May 6.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone switching system employing a transistor. 2,595,232, May 6.

Dinerstein, Robert A., Park Forest, Ill., and R. E. Van Strien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Preparation of alpha-glycol sulfuric esters. 2,595,341, May 6.

Distillers Company Limited, The, assignee: *See—*
Brighton, Cyril A., and Faulkner.
Higher, Hugh C., Salt, and Stanley.

Doane, Leroy C., Essex, Conn. Fluorescent lamp retainer. 2,595,515, May 6.

Doba, Stephen, Jr., Long Island City, N. Y., and J. J. Jansen, Brookside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television test signal generator. 2,595,646, May 6.

Domster, Stephen G.: *See—*
Snider, Joseph W., and Domster.

Dorlot, Kenneth E., Swissvale, Pa., assignor to Westinghouse Air Brake Company. Transmitting and receiving circuits for inductive carrier communication systems. 2,596,013, May 6.

Dormeyer Corporation, assignee: *See—*
Schwanecke, Fred C.

Dosmann, Lucian P., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Method and apparatus for applying oblique spray. 2,595,342, May 6.

Doughty, Edward W., and J. Y. Murray, Jr., South Charleston, and J. D. Fales, St. Albans, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Recovery of tar acids and bases from hydrocarbon oils. 2,595,516, May 6.

Dow Chemical Company, The, assignee: *See—*
Roth, Harold H.

Dow Corning Corporation, assignee: *See—*
Currie, Chester C., and Hommel.

Downey, Warren E., Baltimore, Md. Throwaway neck duster for individual customer use. 2,595,776, May 6.

Dowty Equipment Limited, assignee: *See—*
Carey, Frederick H.

Dresser Equipment Company, assignee: *See—*
Selberg, John P.

Drewitt, James G. N., Spondon near Derby, and J. Lincoln, London, England, assignors to Celanese Corporation of America. Production of polyesters by reacting a dicarboxylic acid with a diphenol. 2,595,343, May 6.

Driver, John F., Fort Wayne, Ind. Device for facilitating the balancing and testing the balance of grinding wheels. 2,595,777, May 6.

Duart Manufacturing Co., Ltd., assignee: *See—*
Davis, William H. H., and Schleimer.

Duckoff, Maxwell E., Manchester, N. H. Fabric weaving with groups of elastic and relatively inelastic warps. 2,595,778, May 6.

Dudley, James R., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of halogenated unsaturated polycarboxylic acids and polyunsaturated compounds. 2,595,779, May 6.

Dudley, James R., Darien, and J. A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing wet strength paper using polyarylbiguanide-urea resin. 2,596,014, May 6.

Du Mais, Leo J., and F. X. Prokop, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Picture screen stand. 2,595,647, May 6.

Dungler, Julien, Basel, Switzerland. Selvage guiding and drying apparatus. 2,595,233, May 6.

Dunlap, William C., Jr., Schenectady, N. Y., assignor to General Electric Company. Producing germanium pellets. 2,595,780, May 6.

Dunnam, Pete H.: *See—*
Bivings, Albert E. and J. A., and Dunnam.

Dunwody, Archibald B., Evanston, Ill. Wood-chip preparation for digestors from unbarked logs. 2,596,015, May 6.

Du Pont, E. I., de Nemours & Company, assignee: *See—*
Coffman, Donald D.
Karlsson, Carl E. E.
Maynard, John T.
Pace, Anderson, Jr.
Peckham, Stockman C.
Rodman, Ernest A.

Durabla Manufacturing Company, assignee: *See—*
Schwaller, Bernard L.

Durham, Lynn D., Midland, Tex. Portable livestock or cattle spray. 2,595,781, May 6.

Eastman, Du Bois, Whittier, Calif., assignor to The Texas Company, New York, N. Y. Production of fuel gas from carbonaceous solid fuels. 2,595,234, May 6.

Eastman Oil Well Survey Company, assignee: *See—*
Goble, Ralph W.
Goble, Ralph W., and Jackson.

Easton Car & Construction Company, assignee: *See—*
Fraunfelder, George D.

Easy Washing Machine Corporation, assignee: *See—*
Scheele, Charles C.

Economy Fuse and Manufacturing Co., assignee: *See—*
Messer, John S., and Davis.

Eddy, John W., Renton, Wash., assignor to Remington Rand Inc., New York, N. Y. Visible card index and signal. 2,595,648, May 6.

Egerton, William E., and S. Charlton, Hull, England. Machine for use in cutting and filling cakes and the like. 2,595,344, May 6.

Elchelberg, Gustav, assignor to Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, Zurich, Zurich, Switzerland. Two-cycle engine. 2,595,932, May 6.

Elstetter, Alfred E., Regina, Saskatchewan, Canada. Ball game with collapsible target. 2,595,649, May 6.

Elbaum, Herman N., assignee: *See—*
Glick, Leslie P., and Norman.

Electric & Musical Industries Limited, assignee: *See—*
Webley, Reginald S.

Emerson Electric Manufacturing Company, The, assignee: *See—*
Dederick, Clinton H.

Emhart Manufacturing Company, assignee: *See—*
Park, Robert H.

Emrich, Albert F., Valley Stream, N. Y. Device for holding a package or the like when tying cord around it. 2,595,235, May 6.

Engelhardt, Richard A., Parkville, W. L. Kershaw and R. W. Schroeder, assignors to The Glenn L. Martin Company, Middle River, Md. Propeller feathering control. 2,595,345, May 6.

Eppler, Warren G., Syracuse, N. Y. Model airplane flight control. 2,595,650, May 6.

Epstein, Max, Millston, Wis. Plant medium watering device. 2,595,782, May 6.

Erickson, Charles E.: *See—*
Wagner, George H., and Erickson.

Ethington, Lloyd D.: *See—*
Fletcher, Edward H., and Ethington.

Ethyl Corporation, assignee: *See—*
Hinkamp, James B., and Sugimoto.
Ligett, Waldo B., Closson, and Wolf.

Etna Machine Company, The, assignee: *See*—
Abbey, Nelson D.
Evans, Guy O'K., assignee: *See*—
Glick, Leslie P., and Norman.
Evans, Raymond B.: *See*—
Kunze, Walter G., and Evans.
F-R Machine Works, assignee: *See*—
Hollstein, Oswald C.
Faber, Guy S., Chicago, Ill. Pressure cooker. 2,595,236, May 6.
Fales, John D.: *See*—
Doughty, Edward W., Murray, and Fales.
Falk, Sven G., Stockholm, Sweden, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Switching device for phonographs. 2,596,016, May 6.
Farrand Optical Co., Inc., assignee: *See*—
Rosin, Seymour.
Faulkner, Donald: *See*—
Brighton, Cyril A., and Faulkner.
Faust, Charles L.: *See*—
McGraw, Leslie D., Faust, and Mueller.
Federwitz, Theodore A., assignor, by mesne assignments, to Scriptomatic, Inc., Philadelphia, Pa. Stacking device for cards or the like. 2,595,346, May 6.
Feist, Samuel R., assignor of two-sixths to T. Harley, Jr., Wichita, Kans. Invalid handling apparatus. 2,595,651, May 6.
Felton, Albert E., and F. H. Price, assignors to Revo Electric Co. Limited, Tividale, Tipton, England. Electric switch. 2,595,569, May 6.
Ferris, James A., West De Pere, Wis. Portable window ventilator. 2,595,570, May 6.
Flak, Arthur, Newark, N. J. Bobby pin dispenser and hair curler. 2,596,017, May 6.
Finkel Umbrella Frame Company, Inc., The, assignee: *See*—
Pereira, Humberto.
Finlayson, Albert, and W. R. Smith, Kingston upon Hull, England. Device for disinfecting telephone mouthpieces. 2,595,517, May 6.
Fischer, Joseph, New York, N. Y. Adjustable automotive mirror mounting. 2,595,832, May 6.
Fishburne, Francis B., Asheville, N. C., C. H. Hinnant, Jr., Richmond, Va., and T. A. Ricks, Durham, N. C. Method of and apparatus for filling and packing containers. 2,596,018, May 6.
Fisher, James L., Tulsa, Okla., assignor to Century Geophysical Corporation. Liquid damped galvanometer. 2,596,019, May 6.
Fisk, James B., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupled cavity resonator. 2,595,652, May 6.
Flaherty, John T., White Plains, N. Y. Screening for vehicles. 2,595,833, May 6.
Fleenor, Ray W., Cass City, Mich. Rifle safety attachment. 2,595,834, May 6.
Flemming, Paul S. H., Copenhagen, Denmark. Center punch. 2,595,347, May 6.
Fletcher, Edward H., Waterloo, and L. D. Ethington, Cedar Falls, assignors to Deere Manufacturing Co., Dubuque, Iowa. Hose coupling. 2,596,020, May 6.
Fletcher, Lynn: *See*—
Winks, John L., and Fletcher.
Fleysher, Maurice H., Buffalo, and F. L. Sievenpiper, Alden, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Producing benzanthrone free from anthraquinone impurities. 2,595,348, May 6.
Fluor Corporation, Ltd., The, assignee: *See*—
Thomson, Thomas B., and Curtis.
Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Insulated tank car. 2,595,835, May 6.
Foote Bros. Gear and Machine Corporation, assignee: *See*—
Nelson, Bertel S.
Ford Motor Company, assignee: *See*—
Gassett, William O.
Pascoe, George.
Foss, Burdette W.: *See*—
Hill, Robert H., and Foss.
Fox, Clarence D., St. Hilaire on Richelieu, Quebec, assignor of one-half to M. S. Cotterell, North Sidney, Nova Scotia, Canada. Bagged material reconditioning machine. 2,595,237, May 6.
Fox, Herman H., Passaic, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Compositions for combatting tuberculosis. 2,596,069, May 6.
Fox, Hillery: *See*—
Repscha, Albert H., and Fox.
Fox, Kenneth H., Fair Haven, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dynamoelectric machine. 2,595,349, May 6.
Franck, George E., Riverside, and J. H. Zales, assignors to The Imperial Brass Manufacturing Company, Chicago, Ill., Faucet. 2,595,350, May 6.
Fraunfelder, George D., assignor to Easton Car & Construction Company, Easton, Pa. Automatic drop door mechanism. 2,595,836, May 6.
Freeman, David A., assignor to G. H. Bishop Company, Chicago, Ill. Sorting apparatus. 2,595,837, May 6.
Freeport Sulphur Company, assignee: *See*—
Trost, Conrad, and Holdcraft.
Frejacques, Jean L. M., Paris, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques. Producing potassium chlorate crystals of special appearance. 2,595,238, May 6.
Friend, Dawson, and L. J. Smith, assignors to Stant Manufacturing Company, Connersville, Ind. Valved cap for automobile radiators and the like. 2,596,070, May 6.
Friesner, Claude R., Loudon Heights, Loudonville, assignor to Albany Corrugated Container Corporation, Cohoes, N. Y. Brick pack. 2,596,071, May 6.
Fry, Douglas J.: *See*—
Collins, Ronald B., Fry, and Pratt.
Fuglie, Elmer A., assignor to Winona Tool Mfg. Company, Winona, Minn. Apparatus for cleaning parts and for separated suspended particles from liquids. 2,595,838, May 6.
Fuller, Lacey E., Coeburn, Va. Container perforator. 2,595,653, May 6.
Furnace Engineers, Incorporated, assignee: *See*—
Huckestein, Nicholas W.
Furzehill Laboratories Limited, assignee: *See*—
Milson, Frederick R.
Gabriel Company, The, assignee: *See*—
Soos, Joseph.
Gaines, Wilbur L., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuit. 2,595,667, May 6.
Gamble, Morgan F.: *See*—
West, Willis Z., Jr., and Gamble.
Garey, John C.: *See*—
Boruff, Clair S., Stone, Bauernfeind, and Garey.
Garlock Packing Company, The, assignee: *See*—
Chambers, Albert M., Jr.
Gasser, William O., assignor to Ford Motor Company, Dearborn, Mich. Testing apparatus. 2,595,518, May 6.
Gangler, Richard S., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,596,021, May 6.
Gay, Herman P., Havre de Grace, Md., assignor to the United States of America as represented by the Secretary of the Army. Hydrospring shock absorber. 2,595,239, May 6.
Gebr. Volkart, assignee: *See*—
Bertsch, Emil.
Geist, Alex M., and R. R. Winders, Lincoln, Nebr. Electrical preformed floor duct. 2,595,452, May 6.
Gellenbeck, Benjamin G., Tacoma, Wash. Child's convertible vehicle. 2,595,839, May 6.
General Aniline & Film Corporation, assignee: *See*—
Siedenburg, Frederick M.
General Electric Company, assignee: *See*—
Beardsley, Kenneth D.
Bedford, Alexander W., Jr.
Bondley, Ralph J., and Lord.
Buckland, Bruce O., and Berkey.
Coe, Jerome T., and Schwenker.
Dunlap, William C., Jr.
Goss, James H., Mendelsohn, and Sakke.
Hall, Chester L., and Slonneger.
Minneci, Salvatore.
Nason, Harold A.
Norgaard, Donald E.
Rich, Theodore A., and Bigelow.
Sauer, Robert O.
Sommerville, Gareth G.
Wormuth, Wilbur J.
General Motors Corporation, assignee: *See*—
Dermond, Lawrence C.
Gaugler, Richard S.
McCormick, Francis H.
General Precision Laboratory Incorporated, assignee: *See*—
Lee, Richard W., and Pourciau.
Genter, Albert H., Mount Lebanon, Pa. Combustion hanger and clamp for supporting electrical conductors. 2,596,022, May 6.
Geohegan, William A., Larchmont, N. Y. Electronic counter. 2,595,519, May 6.
Geotechnical Corporation, assignee: *See*—
Hudson, Arthur C.
Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, assignee: *See*—
Eichelberg, Gustav.
Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, Zurich, assignee: *See*—
Honegger, Emil.
Getty, William M., San Mateo, Calif. Piston reforming tool. 2,595,668, May 6.
Giancola, Dominic J.: *See*—
Bernstein, Seymour, Giancola, and Sax.
Gilbert, William L., Clock Corporation, The, assignee: *See*—
Morganson, Peter H.
Gilbertsen, Gilbert P., Overland, assignor to M. R. Snipen, St. Louis, Mo. Ring rinser. 2,595,933, May 6.
Gillespie Games Company, assignee: *See*—
Gillespie, Homer E.
Gillespie, Homer E., assignor to Gillespie Games Company, Long Beach, Calif. Disk game apparatus. 2,595,669, May 6.
Gillette Safety Razor Company, assignee: *See*—
Metzler, Charles L.

Gilmore, John L., Kansas City, Mo. Stand and dolly for trailer tongues. 2,595,453, May 6.
Ginsberg, Albert A.: *See*—
Caldwell, John B., Ginsberg, and Wolf.
Ginsburg, Nathan, Philadelphia, Pa. Colostomy apparatus. 2,595,934, May 6.
Gleason, William W., assignor to Nachman Corporation, Chicago, Ill. Spring assembly for upholstery. 2,595,840, May 6.
Glick, Leslie P., and F. E. Norman, assignors of twenty-five per cent to A. Nu Delman, seven per cent to E. Nu Delman, eight and one-half per cent to R. N. Gold, six and one-half per cent to G. O'K. Evans, Los Angeles, and three per cent to H. N. Elbaum, North Hollywood, Calif. Hand notching tool. 2,595,841, May 6.
Glick, Maurice, Brooklyn, and N. Nicholas, Binghampton, N. Y. Rest structure with adjustable back. 2,595,240, May 6.
Goats, Elbert: *See*—
Nicholson, Eugene W., and Goats.
Goble, Ralph W., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver Colo. Method and apparatus for measuring the cross sectional area of well bores by supersonic waves. 2,595,241, May 6.
Goble, Ralph W., Denver, Colo., and G. Jackson, Long Beach, Calif., assignors to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo. Audio caliper device. 2,596,023, May 6.
Goble, Ralph W., Long Beach, Calif., and G. Jackson, assignors to Eastman Oil Well Survey Company, Denver, Colo. Audio caliper device. 2,596,024, May 6.
Goehner, William R., Harding Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reflecting surface bonded to a film. 2,595,670, May 6.
Goerz, Arthur A., Los Angeles, Calif. Machine for making mechanical drawings. 2,595,842, May 6.
Gold, Robert N., assignee: *See*—
Glick, Leslie P., and Norman.
Goode, Robert E., Jr., Prescott, Ariz. Toy locomotive. 2,595,936, May 6.
Goodin, Benjamin O., Jefferson City, Mo. Drier and sterilizer. 2,595,242, May 6.
Goodrich, B. F., Company, The, assignee: *See*—
Bowen, Claude T.
Sternad, Frank S.
Gordon, Herman L., Silver Spring, Md. Supporting device for electrical heating appliances. 2,595,243, May 6.
Goss, James H., Schenectady, N. Y., L. I. Mendelsohn, Lynn, and H. A. Bakke, Swampscott, Mass., assignors to General Electric Company. Meter damping magnet structure. 2,595,244, May 6.
Grabhorn, Charles, Hoboken, N. J. Wallet. 2,595,843, May 6.
Graenacher, Charles, Riehen, and H. Bruengger, assignors to Ciba Limited, Basel, Switzerland. Azo dyestuff derivatives and making same. 2,595,571, May 6.
Graham, Benjamin O., St. Louis, Mo. Water supply inlet means for toilet flush tanks. 2,595,937, May 6.
Graham, Edith M., Fayetteville, N. C. Hair curler. 2,595,844, May 6.
Graham, Marion E., Parma, and E. A. Beidler, Columbus, Ohio; said Beidler assignor, by mesne assignments, to Henry L. Crowley & Co., Inc., West Orange, N. J. Selectively reducing ferrous chloride in the vapor phase from a gaseous mixture of manganese and ferrous chloride. 2,596,072, May 6.
Graham, Marion E., Parma, and E. A. Beidler, Columbus, Ohio; said Beidler assignor, by mesne assignments, to Henry L. Crowley & Co., Inc., West Orange, N. J. Selectively reducing ferrous chloride in the solid phase from a solid mixture of $FeCl_2$ and $MnCl_2$. 2,596,073, May 6.
Graham, William T., Amarillo, Tex. Adjustable weed cutting attachment. 2,595,351, May 6.
Graham, William T., Amarillo, Tex. Bean clamp. 2,595,352, May 6.
Graham, William T., Amarillo, Tex. Filler pad for ground working tools. 2,595,353, May 6.
Grand Specialties Company, assignee: *See*—
Hopfeld, Fred P.
Grandinetti, Eugene, Ozone Park, J. J. Rush, New York, and O. C. Balmer, Westerleigh, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for removing drum covers. 2,595,245, May 6.
Grant, Casper E., Richmond, Va. Puzzle and game. 2,595,938, May 6.
Grant, Harry C., Jr., Ridgewood, N. J., and A. W. Uhl, Inwood, N. Y., assignors to Specialties Development Corporation, Belleville, N. J. Device for testing electrical circuits. 2,595,246, May 6.
Gray, Elden S.: *See*—
Ramsey, Thomas B., and Gray.
Green, Donald F., Anoka, Minn. Pipe for smoking tobacco and baffle unit. 2,595,572, May 6.
Green, George, Houston, Tex. Well packer. 2,595,573, May 6.
Greene, John A., Harrison, Ark. Razor blade holder frame. 2,595,247, May 6.
Greene, Otto W., Brighton, assignor to The Pfaudler Co., Rochester, N. Y. Corrosion resisting safety valve. 2,595,671, May 6.
Greenlee, Harry R., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Torque limiting clutch mechanism. 2,595,454, May 6.
Greenless James W., Conway, Mich. Adjustable chair and seat. 2,595,354, May 6.
Greenwood, Dorothea E., Lake Worth, Fla. Ornamental cover for hearing aids. 2,595,672, May 6.
Greer, Edward M., West Hempstead, and J. Mercier, New York, said Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Hydraulic system for power-operated hatch covers. 2,595,248, May 6.
Greer Hydraulics, Inc., assignee: *See*—
Greer, Edward M., and Mercier.
Griffin, John W., Cleveland, assignor to R. Luntz, Shaker Heights, and S. S. Lazarus, North Canton, Ohio. Repairman's creeper. 2,595,783, May 6.
Griffin, John W., Cleveland, and S. S. Lazarus, Canton, said Griffin assignor to R. Luntz, Shaker Heights, Ohio. Repairman's creeper. 2,595,784, May 6.
Griffith, Paul H., Ardmore, Pa. Holder for fuses and the like. 2,595,939, May 6.
Gross, Howard H.: *See*—
Kiersted, Wynkoop, Jr., and Gross.
Grossman, Paul R., Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Solid material heating method and apparatus. 2,595,574, May 6.
Grosvenor, William M., Jr., assignor, by mesne assignments, to Staywell Corporation, New York, N. Y. Air sterilizing method and apparatus. 2,595,674, May 6.
Grosvenor, William M., Jr., and A. P. Davis, said Grosvenor, Jr., assignor, by mesne assignments, to Staywell Corporation, New York, N. Y. Air sterilizing method and apparatus. 2,595,673, May 6.
Gruender, Oscar C., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Yielding release for mills and crushers. 2,595,249, May 6.
Guerin, John J., Flint, Mich. Enclosed fluorescent lighting device. 2,595,520, May 6.
Guetti, Lorenzo S., Miami, Fla. Speedometer cable connecting and locking device. 2,595,940, May 6.
Hagwell, Edward R., Longview, Wash. Supplemental collapsible extension table top. 2,595,845, May 6.
Hale, Cecil H., Baton Rouge, La., assignor to Standard Oil Development Company. Topped oxo alcohol treatment by caustic and air. 2,595,785, May 6.
Hale, Cecil H., and C. E. Starr, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Treatment of topped oxo alcohol with molecular oxygen and caustic. 2,595,786, May 6.
Hale, William E., Fort Washington, assignor to Beaumont Birch Company, Philadelphia, Pa. Air-metering intake. 2,595,654, May 6.
Hall, Chester L., Vischer's Ferry, and J. L. Slonneger, Alplaus, N. Y., assignors to General Electric Company. Overload protective switch. 2,595,846, May 6.
Hall Laboratories, Inc., assignee: *See*—
Redman, Franklin T., Jr.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Dyeable acrylonitrile copolymers. 2,595,575, May 6.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Composition comprising diethyl phosphite and a copolymer of acrylonitrile. 2,595,847, May 6.
Ham, George E., Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation. Dyeable copolymers. 2,595,848, May 6.
Hamby, Walter W., assignor of one-fifth to I. C. Adams, Dalton, Ga. Multiple needle tufting machine. 2,595,355, May 6.
Hamilton Metal Products Company, The, assignee: *See*—
Piker, Herbert M.
Hammond, Gordon, Ashland, assignor to Reynolds Metals Company, Richmond, Va. Container feeding and cover applying apparatus. 2,595,849, May 6.
Hand, Albert L., Klamath Falls, Oreg. Smoking pipe filling machine. 2,595,576, May 6.
Hannay, Clifford B., assignor to Clifford B. Hannay & Son, Inc., Westerlo, N. Y. Hose reel. 2,595,655, May 6.
Hannay, Clifford B., & Son, Inc., assignee: *See*—
Hannay, Clifford B.
Hansen, Kenneth H., White Plains, N. Y., and T. B. Jochem, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Automatic control for switching type conveyers. 2,595,356, May 6.
Hansen, Theodore A., Park Ridge, assignor to Teletype Corporation, Chicago, Ill. Electronic synchronization system. 2,595,656, May 6.
Hanson, Raymond N., Minneapolis, Minn. Clothes drying rack. 2,595,521, May 6.
Hapman, Hannah J., assignee: *See*—
Hapman, Henry W.
Hapman, Henry W., assignor, by mesne assignments, of 40 per cent to H. J. Hapman, Detroit, Mich. Cable-mounted flight conveyer. 2,595,941, May 6.
Harcum, William M., Garden City, N. Y., assignor to The Sperry Corporation. Automatic recovery pilot for aircraft. 2,595,250, May 6.
Harley, Tom, Jr., assignee: *See*—
Feist, Samuel R.
Harmon, Bennie L., Anniston, Ala. Hair band. 2,595,657, May 6.

Hurney, Bernard C., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Feed mechanism and control system for bar feeds for screw machines. 2,595,522, May 6.

Harris, Chris N., Youngstown, Ohio. Corsage frame. 2,595,577, May 6.

Harrison, Lawrence H., Birmingham, Ala., assignor to the United States of America as represented by the Secretary of the Interior. Short-circuiting contactor for direct-current circuits. 2,595,251, May 6.

Hartford National Bank & Trust Co., trustee, assignee: *See*—
De Brey, Heinrich.
De Groot, Folkert A.
Falk, Sven G.
Severs, Jan.
Siezen, Gerrit J.
Stigter, Willem H.
Van Heeckeren, Willem J., and Rinia.
Van Weel, Adelbert.
Van Weenen, Franciscus L.
Zaayer, David.

Hartline, Ralph E.: *See*—
Silverman, Daniel, and Hartline.

Hartline, Ralph E., and R. P. Murphy, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Fluid ingress location in wells. 2,595,578, May 6.

Hasbrouck, John S., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Accessory and counterbalance drive for power plants. 2,595,942, May 6.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Holding means for operating lever arms of door fasteners. 2,595,357, May 6.

Hasselhorn, Walter C., assignor to Cook Electric Company, Chicago, Ill. Seated arrester. 2,595,658, May 6.

Haug, John S., assignor to United Engineers & Constructors Inc., Philadelphia, Pa. Method of and apparatus for manufacture of carburetted water gas. 2,595,252, May 6.

Hawes, Albert H., Erdington, Birmingham, assignor to Kwikform Limited, Small Heath, Birmingham, England. Apparatus for coating surfaces with plastic and other semiliquid compositions. 2,596,074, May 6.

Hawkins, George L., Richmond, Mo. Hand vise. 2,595,579, May 6.

Heard, Llewellyn: *See*—
Den Herder, Marvin, and Heard.

Heebler, Arthur C., and T. E. McDowell, assignors to The Pyle-National Company, Chicago, Ill. Warning and signaling light having oscillatable lamp units. 2,595,253, May 6.

Heimann, Heinrich, New York, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Retaining ring assembly. 2,595,787, May 6.

Heinemann, Heinz, Drexel Hill, assignor to Porcel Corporation, Philadelphia, Pa. Hardening bauxite with calcium sulfate. 2,595,943, May 6.

Heinen, Joseph, Long Beach, Calif. Valve. 2,596,075, May 6.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus and process for circulating powdered solids in chemical treatment. 2,595,254, May 6.

Henc, Louis J., assignor to Struthers Wells Corporation, Titusville, Pa. Fire tube boiler having removable smoke box closure. 2,595,523, May 6.

Hendlin, David: *See*—
Wood, Thomas R., and Hendlin.

Henneman, Clarence O., and D. R. de Boisblanc, Bartlesville, Okla., assignors to Phillips Petroleum Company. Apparatus for controlling internal-combustion engines. 2,595,524, May 6.

Henriksson, Sten T., Hammarbyhojden, assignor to Bolidens Gruvaktiebolag, Skelleftehamn, Sweden. Wood impregnation. 2,595,256, May 6.

Herbst, Philip J., Princeton, N. J., assignor to Radio Corporation of America. Radio navigation system for targets in altitude layers. 2,595,358, May 6.

Hercules Powder Company, assignee: *See*—
Lawrence, Robert W.
Ropp, Walter S.

Heritage, Clark C., Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash. Protein adhesive composition. 2,595,257, May 6.

Hersey, Ralph B., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reverting call circuits. 2,595,944, May 6.

Hershey, Albert E.: *See*—
Way, Stewart, Hershey, and Boyd.

Herzog, Adolph F.: *See*—
Lavelle, Thomas B., and Herzog.

Heston, Eugene E., assignor to National Rubber Machinery Company, Akron, Ohio. Extruder. 2,595,455, May 6.

Hicks, Hadley H., Bisbee, Ariz. Dental appliance. 2,595,850, May 6.

Hieserman, Clarence E., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Diphenylamine dyestuffs. 2,595,359, May 6.

Highet, Hugh C., and F. E. Salt, Banstead, and H. M. Stanley, Tadworth, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Thermal polymerization of alpha methyl styrenes. 2,595,581, May 6.

Hildred, Albertis P., Platteville, Colo. Fluid pressure actuated tire-changing device with circumferentially distributed thrust members. 2,595,258, May 6.

Hill, George B., New Holland, Pa., assignor to New Holland Machine Division of The Sperry Corporation, New York, N. Y. Side rake pitch control means. 2,595,788, May 6.

Hill, Gladys W., executrix: *See*—
Peckham, Stockman C.

Hill, Hillary L., Detroit, Mich., assignor to A. S. Campbell Co., Inc., Boston, Mass. Control mechanism for automobile windows and the like. 2,595,580, May 6.

Hill, Robert H., and B. W. Foss, assignors to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Resetting mechanism for gasoline dispensing pumps. 2,595,259, May 6.

Hinkamp, James B., Detroit, and R. Sugimoto, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y. Diesel fuel. 2,595,789, May 6.

Hinkel, Lester H., Evansville, Ind., assignor to International Harvester Company. Combination drip tray and ice cube storage and dispensing device. 2,595,456, May 6.

Hinkel, William P.: *See*—
Maxwell, Loyal C., and Hinkel.

Hinnant, Clarence H., Jr.: *See*—
Fishburne, Francis B., Hinnant, and Ricks.

Hirschfelder, Richard, Chicago, Ill. Card holding folder and in attaching means for the same. 2,595,945, May 6.

Hjertstrand, Svante L., assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Signaling over telephone lines by means of a nonlinear resistance. 2,596,025, May 6.

Hoffmann-La Roche Inc., assignee: *See*—
Fox, Herman H.
Spiegelberg, Hans, and Rey-Bellet.

Holcomb, Sylvia M., Tacoma, Wash. Art and apparatus for pleating drapes. 2,595,790, May 6.

Holdcraft, Joseph W.: *See*—
Trost, Conrad, and Holdcraft.

Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Production of hydrocarbons from a granular solid reactant. 2,595,255, May 6.

Holdren, Le Roy D., assignee: *See*—
Kaeintz, Robert F.

Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Dishwasher or the like. 2,595,659, May 6.

Hollerith, Charles, assignor to Lake State Products, Inc., Jackson, Mich. Dishwasher or the like. 2,595,660, May 6.

Hollstein, Oswald C., Secaucus, N. J., assignor to F-R Machine Works. Multiplane X-ray apparatus. 2,595,-260, May 6.

Holm, Sven, and A. Jensen, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Pin fin heat exchanger. 2,595,457, May 6.

Holman, Arthur J., Brighton, N. Y. Equatorial generator for multiple lens grinding. 2,595,360, May 6.

Holt, Joseph P., Bryn Mawr, Pa. Sleeping mattress. 2,595,946, May 6.

Holzapfel, Otto, Chicago, Ill. Electrical pull-cord socket. 2,595,851, May 6.

Hommel, Maurice C.: *See*—
Currie, Chester C., and Hommel.

Honegger, Emil, assignor to Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, Zurich, Zurich, Switzerland. Accelerating the conditioning of textiles after drying. 2,595,261, May 6.

Hood, Ralph S., Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Method and apparatus for filling containers. 2,595,262, May 6.

Hook, Edwin O., Old Greenwich, Conn., and P. H. Moss, Nederland, Tex., assignors to American Cyanamid Company, New York, N. Y. Dithiophosphate esters as insecticides. 2,596,076, May 6.

Hooker Electrochemical Company, assignee: *See*—
Sonia, Joseph A., and Lisman.

Hopfeld, Fred P., Elmwood Park, assignor to Grand Specialties Company, Chicago, Ill. Draftsman's and mechanic's instrument. 2,595,458, May 6.

Hopper, Francis C., Oakland, and Q. T. Wiles, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Spray drying soluble fusible polymers of unsaturated esters. 2,595,852, May 6.

Horclois, Raymond J., Malakoff, France, assignor to Societe des Usines Chimiques Rhone-Poulenc. N-(dialkylaminoalkyl) phenthiazine theophylline acetates and preparing the same. 2,595,853, May 6.

Horn Manufacturing Company, assignee: *See*—
Horn, Walter J.

Horn, Walter J., assignor to Horn Manufacturing Company, Fort Dodge, Iowa. Stacking machine. 2,595,661, May 6.

Houdry Process Corporation, assignee: *See*—
Caldwell, Clyde L.

Houghton, Edward W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic volume control for oscillators. 2,595,662, May 6.

Hoven, Alfred C., W. E. Nordmark, and D. S. Huhta, assignors to American Seating Company, Grand Rapids, Mich. Chair having spring supported pivoted seat and back rest. 2,595,582, May 6.

Howard, Arthur C., Leeds, assignor to Rotary Hoes Limited, East Horndon, Essex, England. Garden tractor tiller transmission. 2,595,854, Mar. 6.

Howells, Alden M.: *See*—
Howells, Merriam J. and A. M., and Soltan.

Howells, Merriam J. and A. M., Berkeley, and L. J. Soltan, Walnut Creek, Calif. Mop demonstrator. 2,596,026, May 6.

Howland, Frederick W., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Delayed-action signal for damper control. 2,595,663, May 6.

Hoyt, Herbert L.: *See*—
Wilcox, Richard L., and Hoyt.

Huckestein, Nicholas W., assignor to Furnace Engineers, Incorporated, Pittsburgh, Pa. Heat-treating furnace. 2,596,027, May 6.

Huckshold, Elmer J., assignor to Central Mine Equipment Company, St. Louis, Mo. Mining drill. 2,595,525, May 6.

Hudson, Arthur C., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Geotechnical Corporation, Dallas, Tex. Pipe thickness testing apparatus. 2,595,380, May 6.

Hugin, Adolph C., Washington, D. C. Musical instrument. 2,595,381, May 6.

Hugin, Adolph C., Washington, D. C. Musical instrument. 2,595,382, May 6.

Huhta, Donald S.: *See*—
Hoven, Alfred C., Nordmark, and Huhta.

Hull, Maurice E., La Grange, assignor to Armour and Company, Chicago, Ill. Recovery of protein from whey. 2,595,459, May 6.

Hunt, Frederick V., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Transducer. 2,595,791, May 6.

Hunt, Rodney, Machine Company, assignee: *See*—
Müller, Hans K.

Hunter, Ernest E., Dallas, Tex. Lighting device. 2,595,664, May 6.

Hurd, Thaddeus B., Detroit, Mich., assignor to National Steel Corporation. Wall construction. 2,595,665, May 6.

Hutson, Clifford L., Glendale, Calif. Saliva ejector. 2,595,666, May 6.

Hyster Company, assignee: *See*—
Lowry, Robert W.
Shoemaker, Robert C.

Ilford Limited, assignee: *See*—
Collins, Ronald B., Fry, and Pratt.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E., and Zales.

Imperial Optical Company, Ltd., assignee: *See*—
Butler, Albert.

Ingalls, Clyde E., Canisteo, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Apparatus for measuring the phase shift between the input and output voltages of a circuit under test. 2,595,263, May 6.

Inland Manufacturing Company, assignee: *See*—
Langfeld, Daniel, Leckey, Olson and Webb.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Harrison, Lawrence H.
Mullins, Paul V.

International Business Machines Corporation, assignee: *See*—
Ryffel, Albert, and Rehsteiner.

International Harvester Company, assignee: *See*—
Hinkel, Lester H.
James, Howell N.
Morkoski James.

International Standard Electric Corporation, assignee: *See*—
Den Hertog, Martinus, and Adelaar.

Irving, Bertram R., Berkeley, Calif. Pin retainer. 2,595,383, May 6.

Israel, Robert D.: *See*—
Vettel, Arthur W., and Israel.

Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy L.

Ives, H. B., Company, The, assignee: *See*—
Nowakowski, Stanley.

Jabour, Joseph, Detroit, Mich. Method and apparatus for generating helical grooves. 2,595,460, May 6.

Jackson, Edward H., Jr., Temple, Pa. Device for changing the transverse arrangement of crosswise contiguous portions of ribbonlike materials. 2,595,855, May 6.

Jackson, Gordon: *See*—
Goble, Ralph W., and Jackson.

Jacob, Brent C., Jr.: *See*—
Vogt, Paul R., and Jacob.

James, Howell N., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Speed change gearing for grain drills. 2,595,461, May 6.

James, Robert M., Buffalo, N. Y. Flexible insert for forming recesses in walls and the like. 2,596,028, May 6.

Jansen, Johannes J.: *See*—
Doba, Stephen, Jr., and Jansen.

Jaynes, Edwin T., Washington, D. C., assignor to The Sperry Corporation. Impedance measuring apparatus. 2,595,675, May 6.

Jennings, Russell: *See*—
Bunch, Peter, Mittomme, and Jennings.

Jensen, Arthur: *See*—
Holm, Sven, and Jensen.

Jespersen, Aksel T., Estes Park, Colo. Fastening device for straps and the like. 2,595,264, May 6.

Jillson, Lyman W.: *See*—
Schubring, Arthur C., and Jillson.

Jochem, Theodore B.: *See*—
Hansen, Kenneth R., and Jochem.

Johnsen, John H., Hammond, Ind., and N. H. Snyder, Jr., San Antonio, Tex., assignors to Standard Oil Company, Chicago, Ill. Grid seal for fluidized solids contacting systems. 2,595,384, May 6.

Johnson, Anna B., Colorado Springs, Colo. Sanitary and safe baby teething device. 2,595,462, May 6.

Johnson, Charles E., assignor to Johnson Products Inc., Muskegon, Mich. Oil supply for hydraulic tappets. 2,595,583, May 6.

Johnson Products Inc., assignee: *See*—
Johnson, Charles E.

Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Oxidation of ethyl naphthalene. 2,595,265, May 6.

Johnson, Robert, Ingomar, assignor to Koppers Company, Inc., Pittsburgh, Pa. Production of alpha-naphthol by catalytic reduction of alpha-tetralol and alpha-tetralone. 2,595,266, May 6.

Johnston, Jesse, Middletown, Ohio, and J. C. Vaaler, Libertyville, assignors to Askania Regulator Company, Chicago, Ill. Fluid flowmeter. 2,595,385, May 6.

Jonas, Gilbert F., assignor to Boyd-Welsh, Inc., St. Louis, Mo. Making shoes having a wrapper strip. 2,596,029, May 6.

Jones, Charles E.: *See*—
Bishop, Glenn A. and R. B., and Jones.

Jones, Charles F., Electra, Tex. Level winding mechanism. 2,595,584, May 6.

Jones, James M., and J. J. Stranahan, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Automatic distillation testing. 2,595,948, May 6.

Jones, Thomas B., Banning, Calif. Trolling float. 2,595,947, May 6.

Jordan, James F., Huntington Park, Calif. Observing and controlling the process of a continuous Bessemer process. 2,595,792, May 6.

Joy Manufacturing Company, assignee: *See*—
Collins, Samuel C.

Juillard, Maurice E., Paris, France. Combination lock. 2,595,267, May 6.

Junkins, Raymond D., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Boiler efficiency instrument. 2,596,030, May 6.

Justrite Manufacturing Company, assignee: *See*—
Packer, Charles S., and Olsen.

Kaeintz, Robert F., assignor of forty-five per cent to L. D. Holdren, San Francisco, Calif. Automobile footrest. 2,595,526, May 6.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Vettel, Arthur W., and Israel.

Kajola, Niilo A., Helsinki, Finland. Laboratory device for determining melting points. 2,595,386, May 6.

Kalling, Bo M. S., Domnarvet, R. S. M. Sundgren-Wallden, and S. J. Wallden, Stockholm, and K. A. Sivander, Perstorp, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden. Electrolytically recovering nickel. 2,595,387, May 6.

Kamps, John, Holland, Mich. Fishline leader holder. 2,595,463, May 6.

Karlsson, Carl E. E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Switch. 2,595,949, May 6.

Kaas, Samuel M., Philadelphia, Pa. Faucet. 2,595,856, May 6.

Kaufman, Harold R., Evanston, Ill. Pneumatic spring. 2,596,031, May 6.

Kaufman, Morris, and A. F. Williams, assignors to C. D. Patents Limited, London, England. Manufacture of paints and varnish. 2,595,076, May 6.

Kaufmann, Albert, Zuchwil, assignor to Scintilla Aktien-Gesellschaft, Solothurn, Switzerland. Balanced motion converting mechanism. 2,595,464, May 6.

Kawneer Company, The, assignee: *See*—
Chapin, Barton H.
Simpson, Arthur M.

Kay, William W., assignor to Parke, Davis & Company, Detroit, Mich. Method and apparatus for producing vaccines. 2,595,793, May 6.

Kaye, Emmanuel, assignee: *See*—
Arnot, Alfred E. R.

Keating, John H., assignor to Monarch Aluminum Mfg. Company, Cleveland, Ohio. Cooking utensil. 2,595,361, May 6.

Keebler, William C., Washington, D. C. Tool bit grinding fixture. 2,595,950, May 6.

Keef, Dennis W., Portland, Oreg. Hydraulic pressure integrating device. 2,596,032, May 6.

Keele, Ralph M., San Francisco, Calif., assignor, by mesne assignments, to G. Wagner, Des Moines, Iowa. Hair curler. 2,595,362, May 6.

Keene, Howard B., and D. A. Anderson, St. Paul, and P. H. Aldrich, Minneapolis, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Structures involving particles or mineral granules treated with organic silicon compounds and making. 2,595,465, May 6.

Keller, Hugo F., Oneida, N. Y. Individual airplane hanger. 2,595,794, May 6.

Keller, Siegfried, Effretikon, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Brake pipe vent control. 2,595,466, May 6.

Kellner, Gabriel, New York, N. Y. Perpetual calendar clock. 2,595,467, May 6.

Kellogg, M. W., Company, The, assignee: *See*—
Burton, William P., and Solomon.
Grandinetti, Eugene, Rush, and Balmer.

Kellogg, Spencer, 2nd., Glen Head, N. Y., assignor to The Sperry Corporation. Instrument providing a vertical reference for dirigible craft. 2,595,268, May 6.

Kells, Edward L., Covina, and G. W. Miller, Alhambra, Calif. Jacketed cooking vessel. 2,595,527, May 6.

Kempthorne, James L., Essex Fells, N. J. Portable insulation spraying device. 2,595,528, May 6.

Kenyon Instrument Company, Inc., assignee: *See*—
Tuttle, Clifton M.

Kerns, Quentin A.: *See*—
Simpson, Kenneth M., Baker, and Kerns.

Kershaw, Wilfred L.: *See*—
Engelhardt, Richard A., Kershaw, and Schroeder.

Kessler, Frank, Rochester, N. Y., assignor to Stromberg-Carlson Company. Telephone conversation timing means. 2,595,388, May 6.

Keys, Chester F., Seattle, Wash. Wheeled shopping bag. 2,595,269, May 6.

Kiersted, Wynkoop, Jr., Scarsdale, and H. H. Gross, Pleasantville, assignors to Texaco Development Corporation, New York, N. Y. Solvent separation of wax from hydrocarbon mixtures. 2,595,468, May 6.

King, Donald, and E. W. Norton, Chillicothe, Ohio. Stove lighter. 2,595,390, May 6.

King, Robert S., Bonners Ferry, Idaho. Adjustable automobile seat. 2,596,033, May 6.

Kinnaird, James A., Braiswick, near Colchester, assignor to Bromilow & Edwards Limited, Bolton, England. Two-way valve with excess flow prevention. 2,595,389, May 6.

Kinsel, Otto F., Bellevue, Ohio. Cable spacer. 2,595,857, May 6.

Kiss, Steve, Miami, Fla. Universal joint. 2,595,529, May 6.

Klein, Norman E., Stamford, assignor to Deering Milliken Research, Trust, Greenwich, Conn. Additive tension device. 2,595,270, May 6.

Kline, Morris, Little Silver, N. J. Antenna lobe shifting device. 2,595,271, May 6.

Kline, Richard C., Mount Kisco, N. Y. Automatic carpet tufting and pile cutting machine. 2,595,585, May 6.

Knowlton, Leland P., Worcester, Mass. Clasp. 2,595,391, May 6.

Konet, Henry, Paramus, and P. A. Noxon, Tenafly, assignors to Bendix Aviation Corporation, Teterboro, N. J. Attitude indicator. 2,595,951, May 6.

Konrath, Cornelius, Robbinsville, N. J. Kitchen colander for extracting juices and the like. 2,595,469, May 6.

Kopald, Herman G., executor: *See*—
Salfisberg, Leroy L.

Koppers Company, Inc., assignee: *See*—
Johnson, Robert.

Kost, Alwin, assignor to Kost Multiple X, Inc., Portland, Oreg. Mechanical chair. 2,595,272, May 6.

Kost Multiple X, Inc., assignee: *See*—
Kost, Alwin.

Kovach, Frank J., assignor to Rondo Records, Inc., Chicago, Ill. Spiral and eccentric groove cutter for phonograph records and the like. 2,595,795, May 6.

Kramer, Max, Las Cruces, N. Mex. Trainer demonstrator for set of space coordinates fixed to the earth. 2,595,273, May 6.

Krukonis, Alexander C.: *See*—
Beatrice, Gabriel C., and Krukonis.

Kuefner, Herbert H., Des Moines, Iowa. Plant marker. 2,595,530, May 6.

Kuhler, Otto A., Blauvelt, assignor to American Car and Foundry Company, New York, N. Y. Railway car. 2,595,858, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Compositions containing polyvinyl acetate and alkyl-substituted urea. 2,595,796, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing a polyalkylene glycol. 2,595,952, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an alkoxy glycol ether, and a base coated therewith. 2,595,953, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an aliphatic carboxylic acid, and base coated therewith. 2,595,954, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an alkyl amide, and base coated therewith. 2,595,955, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an alkoxy acetate, and base coated therewith. 2,595,956, May 6.

Kunze, Walter G., and R. B. Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass. Polyvinyl acetate emulsion containing an aromatic amide, and a base coated therewith. 2,595,957, May 6.

Kwikform Limited, assignee: *See*—
Hawes, Albert H.

Lake State Products, Inc., assignee: *See*—
Hollerith, Charles.

Lalancette, Lawrence E., Melrose Park, Ill. Apparatus for cleaning poultry houses. 2,595,392, May 6.

Lambert Brake Corporation, assignee: *See*—
Lambert, Homer T., and Myers.

Lambert, Frank E., Jr., Atlanta, Ga. Laboratory demonstration apparatus. 2,596,034, May 6.

Lambert, Homer T., St. Joseph, and C. R. Myers, Galien, assignors to Lambert Brake Corporation, St. Joseph, Mich. Double disk hydraulic brake construction. 2,595,859, May 6.

Lambert, Homer T., St. Joseph, and C. R. Myers, Galien, assignors to Lambert Brake Corporation, St. Joseph, Mich. Disk brake construction. 2,595,860, May 6.

Landes, Chester G.: *See*—
Daniel, John H., Jr., and Landes.

Landis & Gyr A. G., assignee: *See*—
Vannini, Philipp.

Lane, George M., Greensboro, N. C. Feeler mechanism for looms. 2,595,958, May 6.

Lane, Harold: *See*—
Bagshaw, Charles M., and Lane.

Langdon, Howard H., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y. Flexible coupling. 2,595,393, May 6.

Langfeld, Daniel, R. Leckey, and R. A. Olson, Omaha, and E. G. Webb, Bellevue, assignors, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr. Radiator testing apparatus. 2,595,470, May 6.

Langfeld, Daniel, R. Leckey, and R. A. Olson, Omaha, and E. G. Webb, Bellevue, assignors, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr. Test and repair bench for heat exchangers. 2,595,471, May 6.

Langham, Eric M.: *See*—
Bedford, Leslie H., Bell, and Langham.

Lapointe, Ernest, Magog East, Quebec, Canada. Climbing attachment for skis. 2,595,586, May 6.

Larkin, Lester U., Harvey, assignor to L. M. Larkin, Libertyville, Ill. Heat exchanger. 2,595,472, May 6.

Larkin, Lincoln M., assignee: *See*—
Larkin, Lester U.

Latimer, Charles A., Toledo, Ohio. Power transmission. 2,595,274, May 6.

Laubin, Clarence W., Snyder, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Pumping apparatus. 2,595,861, May 6.

Lauterbach, Norman E., Newark, assignor to Ritter Company, Inc., Rochester, N. Y. Medical practice chair with back rest locking means. 2,595,394, May 6.

Lavander, Edward J., assignor, by mesne assignments, to Verticraft Mfg. Corporation, Chicago, Ill. Glass cutting device. 2,595,862, May 6.

Lavelle, Thomas B., Churchville, and A. F. Herzog, Newton, Pa. Power unit and wagon unloader. 2,595,395, May 6.

Law, Russell R., Princeton Township, Mercer County, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,595,677, May 6.

Lawless, Nathan M., Muskego Heights, Mich., assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial truck. 2,595,959, May 6.

Lawrence, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Explosive device. 2,595,960, May 6.

Lawson, John E., St. Paul, Minn. Float marker. 2,595,531, May 6.

Layne, Richard M., Oakland, Calif. Coaster. 2,595,961, May 6.

Lazarus, Sanford S., assignee: *See*—
Griffin, John W.

Lazarus, Sanford S.: *See*—
Griffin, John W., and Lazarus.

Leach Company, assignee: *See*—
Clapp, George D.

Leach, Lester L., Barberton, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y. Resilient mounting for pulverizer grinding rings. 2,595,587, May 6.

Leckey, Robert: *See*—
Langfeld, Daniel, Leckey, Olson, and Webb.

Lee, Aaron, and E. Lieberman, Miami, Fla. Ice-making machine and method. 2,595,588, May 6.

Lee, Aaron, and E. Lieberman, Miami, Fla. Evaporative condenser. 2,595,589, May 6.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Hinged fins for providing directional control and stability in tailless airplanes. 2,595,363, May 6.

Lee, Richard W., and L. L. Pourciau, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Electronic television shutter. 2,595,397, May 6.

Lee, Royal, Elm Grove, Wis. Free piston type combustion products generator for gas turbine power plants. 2,595,396, May 6.

Leeds and Northrup Company, assignee: *See*—
Davis, Elwood T.

Legat, Robert C., New Britain, assignor to The G. E. Prentice Mfg. Co., Kensington, Conn. Slide fastener element. 2,596,077, May 6.

Leitner, Charles R., Louisville, Ky. Combined seat, table, and playpen. 2,595,532, May 6.

Le Page's Inc., assignee: *See*—
Kunze, Walter G., and Evans.

Letts, Orlando A., Montreal, Quebec, Canada. Hard rock drill head. 2,595,962, May 6.

Levitation Limited, assignee: *See*—
Thornhill, Peter W.

Levkoff, David, Great Neck, N. Y. Carton. 2,595,678, May 6.

Lew, Baak W., Arden, assignor to Atlas Powder Company, Wilmington, Del. Crystallization process. 2,595,679, May 6.

Lewallen, Worth M., High Point, N. C. Reclining chair. 2,595,590, May 6.

Lewis, Harold G., assignor of thirty-three and one-third per cent to J. C. Clendenin and thirty-three and one-third per cent to A. I. Clendenin, Peytone, W. Va. Coal cutting and loading machine. 2,595,398, May 6.

Lewis, Richard W., Hawkhill Dundee, Scotland, and R. P. Richardson, Erith, assignors to Burndept Limited, London, England. Primary electric cell. 2,595,963, May 6.

Lewis, Willard D., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant resistance pseudohybrid channel branching microwave filters. 2,595,680, May 6.

Leyonmark, George F., Avenel, and E. Arundale, Westfield, N. J., assignors to Standard Oil Development Company. Producing aqueous dispersions of rubberlike plastics. 2,595,797, May 6.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Morris, Joseph R.
Simons, John K.

Lieberman, Eli: *See*—
Lee, Aaron, and Lieberman.

Ligett, Waldo B., Berkley, R. D. Closson, Detroit, and C. N. Wolf, Ferndale, Mich, assignors to Ethyl Corporation, New York, N. Y. N-organoiend-2,3-dihydrophthalazine-1,4-dlones. 2,595,798, May 6.

Liles, Elmer E., Harvard, Ill. Plating point assembly for electroplating racks. 2,595,681, May 6.

Lincoln, James: *See*—
Drewitt, James G. N., and Lincoln.

Lionel Corporation, The, assignee: *See*—
Bonanno, Joseph L.

Lipa, Crispin H., Quezon City, Rizal, Philippines. Holder for books. 2,595,682, May 6.

Lipe-Rolway Corporation, assignee: *See*—
Harney, Bernard C.

Lisman, Carson E.: *See*—
Sonia, Joseph A., and Lisman.

Lockhart, Hughbert M., Highland Park, Mich. Screen roller. 2,595,364, May 6.

Lohutko, Floryan, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio. Apparatus for grinding helical gears. 2,595,591, May 6.

Lo Monte, Charles J., Los Angeles, Calif. Tweezer. 2,595,683, May 6.

Long, John C., Charleston, S. C. Lamp shade adjustably mounted directly on an elongated tube. 2,595,275, May 6.

Loofbourrow, Alan G., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Mounting for driving units on motorboats. 2,595,863, May 6.

Lord, Harold W.: *See*—
Bondley, Ralph J., and Lord.

Love, Richard R., Buhl, Idaho. Dual offset wheel mounting for vehicles. 2,596,035, May 6.

Lovell, Dale E., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Vulcanizing sponge rubber. 2,595,964, May 6.

Lowell Specialty Company of Lowell, Mich., assignee: *See*—
Winks, John L., and Fletcher.

Lowry, Milton L., Los Angeles, Calif. Polyvinyl alcohol lucrose hemostat. 2,595,276, May 6.

Lowry, Robert W., assignor to Hyster Company, Portland, Oreg. Demounting arrangement for tractor mounted equipment. 2,595,864, May 6.

Lucas, Joseph, Limited, assignee: *See*—
Clarke, John S., A. E., and Coupe.

Ludwick, George W., assignor of one-half to J. H. Ludwick, Camden, N. J. Aquarium drainage device. 2,595,965, May 6.

Ludwick, Joseph H., assignee: *See*—
Ludwick, George W.

Ludwig, Louis, Brooklyn, N. Y. Switch-socket structure. 2,595,799, May 6.

Lunsford, Joseph C., assignor to H. C. Rhodes, Portland, Oreg. Doughnut forming machine. 2,595,865, May 6.

Lunsford, Joseph C., assignor to H. C. Rhodes, Portland, Oreg. Doughnut machine. 2,595,866, May 6.

Luntz, Richard, assignee: *See*—
Griffin, John W.
Griffin, John W., and Lazarus.

Lyon Metal Products, Incorporated, assignee: *See*—
O'Connor, John B.

Lyons, Lucy M., Newark, N. J. Culinary utensil. 2,595,684, May 6.

M. and M. Wood Working Company, assignee: *See*—
Pasquier, Michel.

MacDougall, Franklin M., Kirkwood, assignor to Alco Valve Company, University City, Mo. Hot-gas valve. 2,596,036, May 6.

Machine Tool Works Oerlikon, Administration Company, assignee: *See*—
Keller, Siegfried.

MacSorley, Olin L.: *See*—
Robinson, Harris A., and MacSorley.

Magnetic Power, Inc., assignee: *See*—
Morrison, Willard L., Jr.

Magnuson, Roy M., Campbell, Calif. Packing structure. 2,595,592, May 6.

Majors, Robert R., Muskogee, Okla. Anchor. 2,595,966, May 6.

Mallory, Robert E., Oklahoma City, Okla. Infant milk bottle and food warmer. 2,595,685, May 6.

Maniscalco, Pietro, Chicago, Ill. Portable refrigerator. 2,596,037, May 6.

Manning, Albert C., Oakland, Calif. Machine for measuring, cutting, and rolling linoleum. 2,595,593, May 6.

Manning, Dave M., Hysham, Mont. Posthole digging machine. 2,595,686, May 6.

Marcou, Jean, assignor to Societe Anonyme Tecalemit, Paris, France. Tanking plant. 2,595,399, May 6.

Marquette Metal Products Company, The, assignee: *See*—
Greenlee, Harry R.

Martin, Fred P., Topeka, Kans. Drive axle mounting for swinging and rocking motion. 2,595,594, May 6.

Martin, Glenn L., Company, The, assignee: *See*—
Engelhardt, Richardt A., Kershaw, and Schroeder.

Martin, Harry C.: *See*—
Tone, Frank J., and Martin.

Marvin, Gregory L., Indianapolis, Ind. Trailer platform stabilizing structure. 2,595,474, May 6.

Matheson, George L.: *See*—
Odell, William W., and Matheson.

Mathias, Berton M., Monte Vista, Colo. Reversible plow. 2,595,277, May 6.

Mathieson Chemical Corporation, assignee: *See*—
Braun, Richard T.

Maxwell, Loyal C., Chicago, and W. P. Hinkel, Brookfield, assignors to Armour and Company, Chicago, Ill. Preparation of insulin from pancreas glands. 2,595,278, May 6.

Mayer, Margaret B., Hollywood, Pa. Bunion and foot corrective means. 2,596,038, May 6.

Maynard, John T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric polyureas. 2,595,400, May 6.

McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Switch for refrigerators. 2,595,967, May 6.

McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Power-operated control. 2,596,039, May 6.

McCoy, Lloyd L., assignor to Ball Ice Machine Co., St. Louis, Mo. Manufacture of ice. 2,595,968, May 6.

McDonough, Edward D.: *See*—
Woldman, Henry, and McDonough.

McDowell, Thomas E.: *See*—
Heehler, Arthur C., and McDowell.

McFarland, Forest R., Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Transmission. 2,595,969, May 6.

McGill, Dennis M., Lancaster, Pa., assignor of twenty-five per cent to H. Christi, Cocoli, C. Z. Making luminous signs. 2,595,970, May 6.

McGraw Electric Company, assignee: *See*—
Riordan, George L.

McGraw, Leslie D., C. L. Faust, and E. R. Mueller, Columbus, assignors, by mesne assignments, to Ohio Plate Glass Company, Toledo, Ohio. Composite backing for mirrors. 2,595,800, May 6.

McGraw, Leslie D., C. L. Faust, and E. R. Mueller, Columbus, assignors, by mesne assignments, to Ohio Plate Glass Company, Toledo, Ohio. Organic backing. 2,595,867, May 6.

McKay, Harry M., Winfield, Kans. Window construction. 2,595,595, May 6.

McKay, James G., Chicago, Ill. Printing mechanism synchronizer. 2,595,279, May 6.

McKellar, Malcolm, Toronto, Ontario, Canada. Applying a bottom margin indicating mark to a paper sheet in a typewriting machine. 2,595,801, May 6.

McKendrick, James H., Los Angeles, Calif. Reservoir handle for floor wax applicators. 2,595,687, May 6.

McLaughlin, Kenneth M., Summit, N. J., assignor to Radio Corporation of America. Electrode support for semiconductor devices. 2,595,475, May 6.

Mechanical Handling Systems, Inc., assignee: *See*—
Mullen, Edward, and Boyko.

Meijer, Rudolf H. M.: *See*—
de Nie, Willem L. J., and Meijer.

Mendelsohn, Lewis I.: *See*—
Goss, James H., Mendelsohn, and Bakke.

Mercier, Jean: *See*—
Greer, Edward M., and Mercier.

Merck & Co., Inc., assignee: *See*—
Phillips, Richard F.
Wood, Thomas R., and Hendlin.

Merica, Jonathan R.: *See*—
Otte, Lowell M., and Merica.

Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S.

Messer, John S., and D. L. Davis, assignors, by mesne assignments, to Economy Fuse and Manufacturing Co., Chicago, Ill. Fuse. 2,595,688, May 6.

Metzler, Charles L., Palisades Park, N. J., assignor to Gillette Safety Razor Company, Boston, Mass. Blade dispensing magazine. 2,595,280, May 6.

Mexia Tubing Rotator Company, assignee: *See*—
Williams, William W.

Mid-West Bottle Cap Co., assignee: *See*—
Sonnenberg, Rudolph.

Mileti, Joseph A., Jr.: *See*—
Bayuk, Robert R., and Mileti.

Milford Shoe Co., assignee: *See*—
Sherbrook, Victor A.

Miller Company, The, assignee: *See*—
Runge, Richard M., and Naysmith.

Miller, Donald L., Horseheads, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,595,802, May 6.

Miller, Glen W.: *See*—
Kells, Edward L., and Miller.

Miller, Ralph H., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Apparatus for using one cylinder of an internal combustion engine interchangeably as a pump and a power cylinder. 2,595,281, May 6.

Mills, Le Roy K.: *See*—
Slaby, Ollie F., and Mills.

Milsom, Frederick R., Boreham Wood, assignor to S. Smith & Sons (England) Limited, London, and Furzehill Laboratories Limited, Boreham Wood, England. Automatic control system. 2,595,868, May 6.

Mine Safety Appliances Company, assignee: *See*—
Strange, John P., and Yant.

Miner, W. H., Inc., assignee: *See*—
Haseltine, Stacy B.

Minneci, Salvatore, Pittsfield, Mass., assignor to General Electric Company. Phase modifier. 2,595,869, May 6.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Keene, Howard B., Anderson, and Aldrich.

Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Dosmann, Lucian P.

Mitchell, Frederick G., London, England. Endless bucket conveyer. 2,595,689, May 6.

Mitchell, Harold R., assignee: *See*—
Plough, Harold E.

Mittomme, Peter: *See*—
Bunch, Peter, Mittomme and Jennings.

Modern Music, Inc., assignee: *See*—
Burnett, John L., and Smith.

Modine Manufacturing Company, assignee: *See*—
Simpelaar, Clyde S.

Moffett, Robert B., assignor to The Upjohn Company, Kalamazoo, Mich. Steroid 20-21 enol acetates. 2,595,596, May 6.

Molins, Desmond W., and C. Best, Deptford, London, England, and E. A. Chandler, Montreal, Quebec, Canada, assignors to Molins Machine Company Limited, London, England. Photoelectric weighing mechanism. 2,595,803, May 6.

Molins Machine Company Limited, assignee: *See*—
Molins, Desmond W., Best, and Chandler.

Monarch Aluminum Mfg. Company, assignee: *See*—
Keating, John H.

Monchablon, Jacques, Marignane, France. Micromanipulator. 2,595,282, May 6.

Monsanto Chemical Company, assignee: *See*—
Hood, Ralph S.

Montifrest, Maurice, assignor to Societe Anonyme des Etablissements Ducellier, Paris, France. Engine ignition timer. 2,595,690, May 6.

Moon, James, Altadena, assignor to Signal Oil and Gas Company, Los Angeles, Calif. Drill head. 2,595,401, May 6.

Moore, Bernard J., Stoke-on-Trent, England. Kiln for ceramic ware. 2,595,804, May 6.

Morgan, Russell H.: *See*—
Tuttle, Clifton M., and Morgan.

Morganson, Peter H., assignor to The William L. Gilbert Clock Corporation, Winsted, Conn. Self-starting direct-current motor. 2,595,870, May 6.

Morkoski, James, Canton, Ill., assignor to International Harvester Company. Rocking front wheel mounting for tricycle-type tractor. 2,595,476, May 6.

Morley, Frank F., assignor to Wichita Scale & Manufacturing Co., Inc., Wichita, Kans. Automatic scale. 2,595,871, May 6.

Morrell, Charles E., Westfield, N. J., N. C. Robertson, Corpus Christi, Tex., and C. S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company. Extractive distillation of close-boiling alcohols having partial immiscibility with water. 2,595,805, May 6.

Morris, Charles E., assignor of one-half to F. W. Schammel, Phoenix, Ariz., and one-half to L. S. Spencer, Watertown, S. Dak. Form disjointer. 2,595,807, May 6.

Morris, Edith, assignee: *See*—
Morris, Edward L.

Morris, Edward L., assignor to E. Morris, Lees Summit, Mo. Rope fitting. 2,595,806, May 6.

Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Device for cutting sheet material. 2,595,402, May 6.

Morrison, Willard L., Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del. Magnetic power device. 2,595,872, May 6.

Morseth, Richard H., Everett, Wash. Telescoping handle. 2,595,597, May 6.

Mortenson, Sheldon A.: *See*—
Calihan, Paul F., and Mortenson.

Morton, Jack A., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal responsive circuit. 2,595,691, May 6.

Morton, Paul L., Long Beach, Calif. Soil penetrating terminal. 2,595,598, May 6.

Moss, Philip H.: *See*—
Hook, Edwin O., and Moss.

Mossbauer, William E., Forest Hills, N. Y. Mechanical toy cowboy. 2,595,971, May 6.

Motorola, Inc., assignee: *See*—
Sacre, Leo D.

Mueller, Ernest R.: *See*—
McGraw, Leslie D., Faust, and Mueller.

Mueller, Rudolph R., Marion, Ind. Toaster and the like. 2,595,283, May 6.

Mulhern, William A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Hub cap clip and mounting. 2,595,873, May 6.

Mullen, Edward, and J. Boyko, assignors to Mechanical Handling Systems, Inc., Detroit, Mich. Loading equipment for vehicle carrying trailers. 2,595,533, May 6.

Müller, Hans K., Winterthur, Switzerland, assignor, by mesne assignments, to Rodney Hunt Machine Company, Orange, Mass. Apparatus for evaporating and concentrating liquids. 2,596,086, May 6.

Mullins, Paul V., Amarillo, Tex., assignor to the United States of America as represented by the Secretary of the Interior. Method and apparatus for treatment of gaseous hydrocarbon mixtures. 2,595,284, May 6.

Murphree, Dewey, administratrix: *See*—
Murphree, Henry O.

Murphree, Henry O., deceased, Heavener, Okla.; D. Murphree, administratrix. Automatic flange oiler for car wheels. 2,595,692, May 6.

Murphy, Rober P.: *See*—
Hartline, Ralph E., and Murphy.

Murray, James V., Jr.: *See*—
Doughty, Edward W., Murray, and Fales.

Myers, Claude R.: *See*—
Lambert, Homer T., and Myers.

Nachman Corporation, assignee: *See*—
Gleason, William W.

Naillon, Jacob D., Oakland, Calif. Adjustable rack for handling bricks and the like. 2,595,599, May 6.

Napper, Albert, Woodlands, Southland, New Zealand. Method for use in the preservation of eggs. 2,595,808, May 6.

Nason, Harold A., Erie, Pa., assignor to General Electric Company. Insulation arrangement for combination refrigerators. 2,595,874, May 6.

National Bank and Trust Company of South Bend, The, coadministrator: *See*—
Spencer, Harlan L.

National Rubber Machinery Company, assignee: *See*—
Heston, Eugene E.

National Steel Corporation, assignee: *See*—
Black, Nolan S.
Hurd, Thaddeus B.
Sweeney, Fred C.

Naurison, Leonard S., New York, N. Y. Display device. 2,595,972, May 6.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Hunt, Frederick V.
Ingalls, Clyde E.

Naysmith, Shirley R.: *See*—
Runge, Richard M., and Naysmith.

Neal, Adrian D., H. D. Peet, and G. J. Dell, Louisville, Ky., assignors to Curtiss-Wright Corporation. Micrometric thickness gauge with contact pressure indicator. 2,595,477, May 6.

Neale, John S., Hendon, London, assignor to Pennine Aircraft Limited, Manchester, England. Multiple rotor helicopter control. 2,595,875, May 6.

Nealis, Mary, Detroit, Mich. Valance, curtain and drapery fixture, and accessory. 2,595,478, May 6.

Nelson, Bertel S., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Radially movable piston type clutch. 2,595,479, May 6.

Nelson, James A., and F. J. Port, assignors to Cribben and Sexton Company, Chicago, Ill. Ventilated range. 2,595,480, May 6.

Neubauer, Ferdinand J., Muscatine, and O. W. Neubauer, Walcott, Iowa. Signal apparatus. 2,595,980, May 6.

Neubauer, Oakley W.: *See*—
Neubauer, Ferdinand J. and O. W.

Neugass, Edwin A., Portchester, N. Y. Instrument panel. 2,595,973, May 6.

Neuschaefer, Helen, Rye, assignor to A. Sartorius & Co., Inc., New York, N. Y. Lipstick case. 2,595,403, May 6.

New Holland Machine Division of The Sperry Corporation, assignee: *See*—
Hill, George B.

New Wrinkle, Inc., assignee: *See*—
Toulmin, Harry A., Jr.

Nicholas, Norman: *See*—
Glick, Maurice, and Nicholas.

Nicholson, Eugene W., and E. Goats, Harrison, Ark. Self-lighting pipe. 2,595,534, May 6.

Nordberg Manufacturing Co., assignee: *See*—
Miller, Ralph H.
Gruender, Oscar C.
Talboys, Henry H.

Nordmark, Walter E.: *See*—
Hoven, Alfred C., Nordmark, and Huhta.

Noregaard, Maurice J., assignee: *See*—
Cooley, Hal.

Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Radio pulse-echo locating equipment. 2,595,876, May 6.

Norlin, Clarence F., Chicago, Ill. Pen clip. 2,595,974, May 6.

Norman, Frank E.: *See*—
Glick, Leslie P., and Norman.

Northrop Aircraft, Inc., assignee: *See*—
Rogallo, Vernon L.

Norton Company, assignee: *See*—
Alvord, Charles C.

Norton, Eugene W.: *See*—
King, Donald, and Norton.

Norwood, Cecil K., Portland, Oreg. Rotary shaving device. 2,595,693, May 6.

Nothdurft, John, La Feria, Tex. Door construction. 2,595,975, May 6.

Nowakowski, Stanley, Meriden, assignor to The H. B. Ives Company, New Haven, Conn. Slotted letter box plate and cover therefor. 2,595,535, May 6.

Noxon, Paul A.: *See*—
Konet, Henry, and Noxon.

Nu Delman, Al, assignee: *See*—
Glick, Leslie P., and Norman.

Nu Delman, Edna, assignee: *See*—
Glick, Leslie P., and Norman.

Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Pedal controlled collapsible linkage for centrifugal clutches. 2,596,040, May 6.

Nutting, George C.: *See*—
Ault, Waldo C., Nutting, and Well.

O'Brien, Joseph F., Lebanon, and J. B. Cataldo, Annandale, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electrical relay and solenoid mechanism. 2,595,285, May 6.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Latching device for lockers. 2,595,473, May 6.

Odell, William W., Washington, D. C., and G. L. Matheson, Union, N. J., assignors to Standard Oil Development Company. Carbonization of carbonizable solids. 2,595,365, May 6.

Odell, William W., Washington, D. C., and G. L. Matheson, Union, N. J., assignors to Standard Oil Development Company. Processing carbonaceous solids. 2,595,366, May 6.

Officine Moncenisio, gia An. Bauchiero, assignee: *See*—
Camnasio, Carlo, Venturelli, and Colalupo.

Ogden, Floyd H., Arlington, Mass. Detachable shoe sole. 2,595,694, May 6.

Ohio Plate Glass Company, assignee: *See*—
McGraw, Leslie D., Faust, and Mueller.

Oliver United Filters Incorporated, assignee: *See*—
Barnebl, August C., and Riker.

Olsen, Marvin R.: *See*—
Packer, Charles S., and Olsen.

Olson, Raymond A.: *See*—
Langfeld, Daniel, Leckey, Olson, and Webb.

Onondaga Pottery Company, assignee: *See*—
Pass, Richard H.

Otaño, Néstor F., Buenos Aires, Argentina. Closure. 2,595,877, May 6.

Otte, Lowell M., and J. R. Merica, Omaha, Nebr. Sectional metal concrete column form. 2,595,286, May 6.

Ottinger, August F.: *See*—
Brady, Charles V. and Ottinger.

Oxley, Walter T., Fergus Falls, Minn. Attachment for animal traps. 2,595,809, May 6.

Paasche, Jens A., Wilmette, Ill. Powder coating assembly. 2,595,600, May 6.

Pace, Anderson, Jr., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinnerets coated by metal evaporation. 2,595,216, May 6.

Packard Motor Car Company, assignee: *See*—
McFarland, Forest R.

Packer, Charles S., Chicago, and M. R. Olsen, Glen Ellyn, assignors to Justrite Manufacturing Company, Chicago, Ill. Tubular aluminum bail with reinforcing inserts at ends. 2,595,695, May 6.

Page, William H.: *See*—
Worth, Harry J., Page, and Cook.

Palmos, Frank P., Monroe, La. Dispenser for sliced bread. 2,595,481, May 6.

Palo, Lilith M., Sault Ste. Marie, Mich. Clothes wringer. 2,595,404, May 6.

Palumbo, Vincent E., Cleveland Heights, Ohio. Bearing. 2,595,482, May 6.

Papesch, Viktor, Morton Grove, assignor to G. D. Searle & Co., Chicago, Ill. Hydroxyalkyl derivatives of 6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. 2,596,041, May 6.

Paradise, Louis A., assignor to Deere & Company, Moline, Ill. Bearing and lubrication thereof. 2,595,601, May 6.

Park, Robert H., West Hartford, Conn., assignor to Embart Manufacturing Company. Slow speed glass feeder. 2,596,042, May 6.

Parke, Davis & Company, assignee: *See*—
Kay, William W.

Parks, Asbury S., Houston, Tex. Separating gas from liquids. 2,595,602, May 6.

Parr, Thaddeus, and M. Zakheim, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chlorinated camphene-oil insecticidal compositions and making. 2,595,217, May 6.

Parsons, George C., San Pedro, Calif. Dump valve. 2,595,603, May 6.

Parsons, John B., Toledo, Ohio. Sealing device for piston and cylinder assemblies. 2,595,878, May 6.

Pascoe, George, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Wheel allgning device. 2,595,604, May 6.

Pasquier, Michel, assignor to M. and M. Wood Working Company, Portland, Oreg. Feeding means for variable width edge jointers. 2,595,879, May 6.

Pass, Richard H., assignor to Onondaga Pottery Company, Syracuse, N. Y. Apparatus for compacting a refractory medium in a bung of chinaware. 2,595,880, May 6.

Pastoret, Pierre P., St. Paul, Minn. Multiple mottler. 2,595,536, May 6.

Paterson Engineering Company, Ltd., assignee: *See*—
Baily, Edgard W.

Pattat, Harlow M.: *See*—
Crossley, Royal E., and Pattat.

Patterson, Carl T., Adrian, Mo. Power scythe and stalk cutter. 2,595,976, May 6.

Paul, Carl W., New York, N. Y. Slicing and storing device. 2,595,696, May 6.

Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques, assignee: *See*—
Frejacques, Jean L. M.

Peckham, Stockman C., deceased, Wilmington, Del., by G. H. Hill, executrix, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing wool against shrinkage. 2,595,977, May 6.

Peet, Harrison D.: *See*—
Neal, Adrain D., Peet, and Dell.

Pelton's Spudnuts, Incorporated, assignee: *See*—
Scott, William C.

Pennine Aircraft Limited, assignee: *See*—
Neale, John S.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Parr, Thaddeus, and Zakheim.

Pereira, Humberto, Essex, Conn., assignor to The Finkel Umbrella Frame Company, Inc., New York, N. Y. Garden umbrella. 2,595,697, May 6.

Perillo, Florindo J., Jackson Heights, and D. Pollan, Sunnyside, assignors to Viewlex, Inc., Queens County, N. Y. Filmstrip transporting mechanism. 2,595,978, May 6.

Perry, Lester L., Denver, Colo. Electric shaver light. 2,595,287, May 6.

Perry, Willis M., Adelaide, Wash. Hammer-mill bed plate and teeth therefor. 2,595,810, May 6.

Peter, Rolf W., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device and associated circuit. 2,595,698, May 6.

Peters, Charles F., Staten Island, N. Y. Folding saw construction. 2,595,288, May 6.

Petersen, Carl E., assignor of thirty per cent to D. G. Wallin, Brooklyn, N. Y. Work holding unit for vises. 2,595,699, May 6.

Peterson, Ernel, Salina, Utah. Level maintaining implement frame lift. 2,595,289, May 6.

Peterson, John B., deceased, Bethesda, Md.: R. L. Peterson, administratrix of said J. B. Peterson. Compensated thermometer. 2,595,881, May 6.

Peterson, Ruth L., administratrix: *See*—
Peterson, John B.

Petter, Jay C., assignor to Buss Machine Works, Holland, Mich. Vacuum center table for planers. 2,595,483, May 6.

Petty, Milton A., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Producing polymyxin. 2,595,605, May 6.

Pevere, Ernest F., Beacon, and G. B. Arnold, Glenham, assignors to The Texas Company, New York, N. Y. Underground liquefaction of coal. 2,595,979, May 6.

Pfaudler Co., The, assignee: *See*—
Greene, Otto W.

Philco Corporation, assignee: *See*—
Becker, Karl H.

Phillips Petroleum Company, assignee: *See*—
Barrett, William R.
Crawford, Chester C.
Henneman, Clarence O., and de Boisblanc.
Scanlan, Robert W., and Cunningham.
Schulze, Walter A., and Crouch.

Phillips, Richard F., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Benzhydryl ethers of tropines and their production. 2,595,405, May 6.

Piasecki Helicopter Corporation, assignee: *See*—
Daland & Elliot.

Picanol, Jaime, Ypres, Belgium. Toroidal variable-speed gear drive. 2,595,367, May 6.

Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F., and Cataldo.

Pierce, Versa, Dearborn, Mich. Bath mitt. 2,595,882, May 6.

Piker, Herbert M., assignor to The Hamilton Metal Products Company, Hamilton, Ohio. Metal box. 2,596,043, May 6.

Pitcher, Elmer, Minneapolis, Minn. Rotary tiller for removing quack grass and the like. 2,595,537, May 6.

Pittsburgh Consolidation Coal Company, assignee: *See*—
Creelman, George D.

Plautz, Arthur B., White Rock, British Columbia, Canada. Water pump pliers. 2,595,368, May 6.

Plough, Harold E., Laporte, assignor of one-half to H. R. Mitchell, Bemidji, Minn. Resilient snap hook. 2,595,700, May 6.

Pluim, Jan: *See*—
Dijkema, Jan H., and Pluim.

Poe, John H., assignee: *See*—
Sloan, John I.

Pohjola, Uno, Detroit, Mich. Surgical dressing. 2,595,606, May 6.

Pollan, David: *See*—
Perillo, Florindo J., and Pollan.

Popovich, John E., Oakland, Calif. Flashlight fan. 2,595,406, May 6.

Porocel Corporation, assignee: *See*—
Heinemann, Heinz.

Port, Frederick J.: *See*—
Nelson, James A., and Port.

Potter, Ralph K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording system. 2,595,701, May 6.

Pourclau, Louis L.: *See*—
Lee, Richard W., and Pourclau.

Pratt, Oliver E.: *See*—
Collins, Ronald B., Fry, and Pratt.

Prentice, G. E., Mfg. Co., The, assignee: *See*—
Legat, Robert C.

Prevost, Bruno E., Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Splash guard bracket for shower pipes. 2,595,702, May 6.

Price, Donald A., Sr., San Leandro, Calif., assignor to American Brake Shoe Company, New York, N. Y. Conveyer flight. 2,595,703, May 6.

Price, Duane W., Chicago, Ill. Electric switch for games. 2,595,811, May 6.

Price, Frank H.: *See*—
Felton, Albert E., and Price.

Price, John A.: *See*—
Thomas, Walter M., and Price.

Prickett, Mona E.: *See*—
Prickett, Wilber W. and M. E.

Prickett, Wilber W. and M. E., San Diego, Calif. Key holder having visual perceptible key indicating means. 2,595,981, May 6.

Priebe, Paul D., New York, N. Y. Airplane cabin seating arrangement. 2,595,607, May 6.

Procter and Gamble Company, The, assignee: *See*—
Williamson, Walter H.

Productive Inventions, Inc., assignee: *See*—
Anderson, John W.

Products & Licensing Corporation, assignee: *See*—
Toulon, Pierre M. G.

Prohaska, James J., Palos Heights, assignor to Swift & Company, Chicago, Ill. Skinning knife. 2,596,078, May 6.

Prohaska, James J., La Grange, assignor to Swift & Company, Chicago, Ill. Skinning knife. 2,596,079, May 6.

Prokop, Frank J.: *See*—
Du Mais, Leo J., and Prokop.

Prosperity Company, Inc., The, assignee: *See*—
Davis, Ernest, and Winnewisser.

Purrier, Howard C., Bristol, Conn. Liquid measuring nozzle. 2,595,407, May 6.

Pyle-National Company, The, assignee: *See*—
Heebler, Arthur C., and McDowell.

Quest, Arthur E., Lubbock, Tex. Flexible pipe. 2,595,408, May 6.

Quillen, Rutherford R., Cincinnati, Ohio. Clod crusher. 2,595,812, May 6.

Quinn, David H., United States Navy, assignor to Quinn Products, Inc., Boston, Mass. Water purification. 2,595,290, May 6.

Quinn Products, Inc., assignee: *See*—
Quinn, David H.

Raasch, Paul K., Medina, Ohio. Folding lunch box table. 2,595,883, May 6.

Radio Corporation of America, assignee: *See*—
Avins, Jack.
Herbst, Philip J.
Law, Russell R.
McLaughlin, Kenneth M.
Peter, Rolf W.
Robinson, Harris A., and MacSorley.
Schroeder, Alfred C.
Webster, William M., Jr.
Weimer, Paul K.

Radio Frequency Laboratories, Inc., assignee: *See*—
Yonkers, William A.

Ramsey, Thomas B., and E. S. Gray, Dayton, Ohio. Door controller. 2,595,291, May 6.

Ranco Incorporated, assignee: *See*—
Raney, Eldon D.

Randolph, James E., Edinburgh, Scotland. Vaporizing device for disinfectants and the like. 2,595,982, May 6.

Raney, Eldon D., assignor to Ranco Incorporated, Columbus, Ohio. Adjustable control mechanism. 2,595,813, May 6.

Raper, John R., and R. E. Zirkle, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,596,080, May 6.

Rausch, Eugene E., assignor of one-half to W. L. Coleman, Marysville, Ohio. Downspout strainer. 2,595,538, May 6.

Raytheon Manufacturing Company, assignee: *See*—
Andrews, Glenn E.
Smith, Charles G.

Read Standard Corporation, assignee: *See*—
Ruff, Alonzo W.

Recker, Henry M.: *See*—
Templeman, Basil E., and Recker.

Redman, Franklin T., Jr., Pitcairn, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Valveless vacuum-operated fluid circulating device for cleaning hollow objects such as teat cups and milk tubes. 2,595,539, May 6.

Reece, Herbert A., Cleveland Heights, Ohio. Adding alloys to metals. 2,595,292, May 6.

Reece, Herbert A., Cleveland Heights, Ohio. Apparatus for determining the fluidity of molten metals. 2,595,293, May 6.

Reece, Herbert A., Cleveland Heights, Ohio. Production of iron for use in the manufacture of cast iron products. 2,595,294, May 6.

Reece, Herbert A., Cleveland Heights, Ohio. Wedge testing. 2,595,295, May 6.

Reece, Herbert A., Cleveland Heights, Ohio. Tuyère arrangement in cupola furnaces. 2,595,296, May 6.

Reed, Dempson H., Houston, Tex. Pump. 2,595,540, May 6.

Rehsteiner, Carl P.: *See*—
Ryffel, Albert, and Rehsteiner.

Reid, Anthony B., Lansdowne, Ontario, Canada. Cutting chain for saws. 2,595,884, May 6.

Reijnders, Franciscus H., Schipluiden, Netherlands. Apparatus for taking stereoscopic pictures without abnormal stereoscopic effects. 2,595,409, May 6.

Relis, Matthew J., Ferndale, N. Y. Method and apparatus for measuring electrical impedances. 2,595,297, May 6.

Remington Rand Inc., assignee: *See*—
Eddy, John W.
Wolters, Carl F.

Repscha, Albert H., Devon, and H. Fox, assignors to Schramm, Inc., West Chester, Pa. Governing mechanism for engine-driven compressors. 2,595,369, May 6.

Revo Electric Co. Limited, assignee: *See*—
Felton, Albert E., and Price.

Rey-Bellet, Gerald: *See*—
Spiegelberg, Hans, and Rey-Bellet.

Reynolds Metals Company, assignee: *See*—
Hammond, Gordon.

Rhoades, Raymond L., Barberton, Ohio. Ventilation. 2,595,885, May 6.

Rhodes, H. C., assignee: *See*—
Lunsford, Joseph C.

Rich, Leland D., Kensington, assignor to The Stanley Works, New Britain, Conn. Box strapping tool. 2,595,886, May 6.

Rich, Theodore A., and J. E. Bigelow, Schenectady, N. Y., assignors to General Electric Company. Thermal standard cell. 2,595,814, May 6.

Richardson, Richard P.: *See*—
Lewis, Richard W., and Richardson.

Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Modified cellulose esters. 2,595,410, May 6.

Ricks, Thomas A.: *See*—
Fishburne, Francis B., Hinnant, and Ricks.

Riker, Walter J.: *See*—
Barnebl, August C., and Riker.

Rinehart, Alan, New York, N. Y. Manicuring implement. 2,595,704, May 6.

Ringler, Lloyd L., Crawfordsville, Ind. Drape separating hanger. 2,595,887, May 6.

Rinia, Herre: *See*—
Van Heeckeren, Willem J., and Rinia.

Riordan, George L., Milwaukee, Wis., assignor to McGraw Electric Company. Tool for shaping the ends of conduits. 2,595,541, May 6.

Ripoche, Christian A. M., Paris, France. Removing oxides, oils, and grease from an uncoated metal article. 2,595,411, May 6.

Ritchey, Roy S., St. Paul, Minn. Hand truck for transporting outboard motors. 2,595,484, May 6.

Ritter Company, Inc., assignee: *See*—
Lauterbach, Norman E.

Robbins, Claude H., Steele, Mo. Knockdown portable shelf. 2,595,542, May 6.

Robertson, Nat C.: *See*—
Morrell, Charles E., Robertson, and Carlson.

Robinson, Albert P., Seattle, Wash. Fireplace damper. 2,595,543, May 6.

Robinson, Harris A., Philadelphia, Pa., and O. L. MacSorley, Collingswood, N. J., assignors to Radio Corporation of America. Automatically tuned wide range receiver and transmitter. 2,595,608, May 6.

Roblin, Richard O., Jr.: *See*—
Clapp, James W., and Roblin.

Rodanet, Charles H. H., Neuilly-sur-Seine, assignor to Société Anonyme, Etablissements Ed. Jaeger, Levallois-Perret, France. Register. 2,596,044, May 6.

Rodman, Ernest A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydration of organic fluids. 2,595,544, May 6.

Rogallo, Vernon L., Culver City, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Pressure seal. 2,596,045, May 6.

Rollie, Ada E.: *See*—
Rollie, Robert D. and A. E.

Rollie, Robert D. and A. E., St. Paul, Minn. Toilet bowl brush cabinet. 2,595,412, May 6.

Roman, Louis A., Brooklyn, N. Y. Separable fastener rotating head. 2,595,485, May 6.

Rondon Records, Inc., assignee: *See*—
Kovach, Frank J.

Root, Charles F., assignor to The Chandler and Price Company, Cleveland, Ohio. Curved platen printing press. 2,595,413, May 6.

Ropp, Walter S., assignor to Hercules Powder Company, Wilmington, Del. Heat-set inks comprising polyvinyl terpene ethers. 2,595,983, May 6.

Rose, Benjamin and S., New York, N. Y. Film reeling apparatus. 2,595,545, May 6.

Rose, Samuel: *See*—
Rose, Benjamin and S.

Rosecrans, Ernest E., Sr., Los Angeles, Calif. Insert fitting. 2,595,705, May 6.

Rosenberg, Josef, assignor to Škoda Works, National Corporation, Pilsen, Czechoslovakia. Servomotor and mechnism for limiting its piston movements at variably predetermined positions. 2,595,486, May 6.

Rosenthal, Samuel H., New York, N. Y. Toy with windable head for rotation. 2,595,888, May 6.

Rosin, Seymour, assignor to Farrand Optical Co., Inc., New York, N. Y. Monochromator with slit reflecting mirrors in collimated light beams. 2,595,706, May 6.

Rotary Hoes Limited, assignee: *See*—
Howard, Arthur C.

Roth, Harold H., Bay City, assignor to The Dow Chemical Company, Midland, Mich. Homogeneous sulfuric acid gel. 2,596,046, May 6.

Ruff, Alonzo W., York, Pa., assignor to Read Standard Corporation. Refrigerated dough mixer. 2,595,298, May 6.

Runge, Richard M., and S. R. Naysmith, assignors to The Miller Company, Meriden, Conn. Fluorescent lighting fixture. 2,595,487, May 6.

Runge, Richard M., and S. R. Naysmith, assignors to The Miller Company, Meriden, Conn. Fluorescent lighting fixture. 2,595,488, May 6.

Rush, John J.: *See*—
Grandinetti, Eugene, Rush, and Balmer.

Russell, Emory S., Kenmore, N. Y. Disk slide rule. 2,595,299, May 6.

Russell, Robert G., assignor to Davy and United Engineering Company Limited, Sheffield, England. Traveling coil lifting gear. 2,595,707, May 6.

Rutter, Donald E., Endicott, N. Y., H. B. Shaper, and W. J. Brown, Cleveland Heights, assignors to The Brush Development Company, Cleveland, Ohio. Insert earphone and operative subassembly therefor. 2,595,489, May 6.

Ryffel, Albert, and C. P. Rehsteiner, Zurich, Switzerland, assignors to International Business Machines Corporation, New York, N. Y. Perforated-tape control of high-speed tabulating-card punches. 2,595,889, May 6.

Rygård, Sune O., assignor to A B Svenska Flaktfabriken, Stockholm, Sweden. Arrangement for ventilating of railway carriages, buses and similar vehicles. 2,595,370, May 6.

Sacre, Leo D., Park Ridge, Ill., assignor to Motorola, Inc. Tuning mechanism. 2,595,984, May 6.

Sacrey, Elmer F., Syracuse, N. Y. Hand manipulated power band saw. 2,596,081, May 6.

Safrin, Leopold, and F. W. Volz, Philadelphia, Pa., assignors to Wilson & Co., Inc. Soap compositions and soap flakes. 2,595,300, May 6.

Sager, Irving, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War. Line pulse modulator. 2,595,301, May 6.

Salfisberg, Leroy L., deceased, South Orange; H. G. Kopald and L. I. Volckening, executors, assignors to Ivers-Lee Company, Newark, N. J. Vented package. 2,595,708, May 6.

Salt, Francis E.: *See*—
Highet, Hugh C., Salt, and Stanley.

Salzano, Michael, Jersey City, N. J. Cigarette carton opener. 2,595,815, May 6.

Sampson, Alvin G., Decorah, Iowa. Pneumatic sheet separating device. 2,595,546, May 6.

Sanders, John F., Jonesboro, N. C. Animal restraining device. 2,595,302, May 6.

Sands, Henry F., Cranston, R. I. Portable door holder. 2,595,709, May 6.

Sartorius, A., & Co., Inc., assignee: *See*—
Neuschaefer, Helen.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Linear methyl siloxanes having hydrogen directly linked to silicon. 2,595,890, May 6.

Sauer, Robert O., Schenectady, N. Y., assignor to General Electric Company. Cyclopolysiloxanes. 2,595,891, May 6.

Sawyer, Ephriam L., Arlington, Va. Artillery fire control chart. 2,595,303, May 6.

Sax, Karl J.: *See*—
Bernstein, Seymour, Giancola, and Sax.

Scanlan, Robert W., and H. R. Cunningham, Bartlesville, Okla., assignors to Phillips Petroleum Company. Insect repellent ointment comprising hydrogenated rotenone and 2-amino-2 methyl-1, 3-propanediol. 2,595,371, May 6.

Schaaf, Herman, Philadelphia, Pa. Electromagnet. 2,595,547, May 6.

Schaefer, Carl A., Milwaukee, Wis., assignor to Square D Company, Detroit, Mich. Electric switch control station. 2,595,414, May 6.

Schammel, F. W., assignee: *See*—
Morris, Charles E.

Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Laundry apparatus. 2,595,609, May 6.

Schieffelin & Co., assignee: *See*—
Treves, Gino R.

Schjeldahl, Gilmore T.: *See*—
Wiesman, Clarence K., Whetzell, and Schjeldahl.

Schleimer, Floyd V.: *See*—
Davis, William H. H., and Schleimer.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium-aroyl aldehyde complexes and making same. 2,596,047, May 6.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of an activated form of alumina. 2,595,415, May 6.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of modified forms of alumina. 2,595,416, May 6.

Schmidt, Francis M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ chime control. 2,595,816, May 6.

Schmieding, Warren H. F., assignee: *See*—
Wolfinger, Robert F.

Schramm, Inc., assignee: *See*—
Repscha, Albert H., and Fox.

Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Picture reproducing apparatus. 2,595,548, May 6.

Schroeder, Elmer F., assignor to G. D. Searle & Co., Chicago, Ill. Trihalomethyl derivatives of 1,3-dioxane. 2,595,304, May 6.

Schroeder, Robert W.: *See*—
Engelhardt, Richard A., Kershaw, and Schroeder.

Schubring, Arthur C., Trenton, and L. W. Jillson, Detroit, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Prevention of siliceous deposition from steam. 2,595,490, May 6.

Schultz, Roy M., assignor to G. H. Bishop Company, Chicago, Ill. Garment starching machine. 2,595,710, May 6.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Alkali metal alkyltoluene sulfonates as emulsifying agents in low temperature emulsion polymerization processes. 2,595,892, May 6.

Schwaller, Bernard L., Wayne, Pa., assignor to Durabla Manufacturing Company, New York, N. Y. Concentric type valve. 2,595,986, May 6.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Drink mixer agitator. 2,595,985, May 6.

Schweikert, Edward W., New York, N. Y. Mouth washer. 2,595,491, May 6.

Schwenker, William A.: *See*—
Coe, Jerome T., and Schwenker.

Schwork, Stanley, Bangor, Pa. Motor vehicle trailer hitch. 2,595,711, May 6.

Scintilla Aktien-Gesellschaft, assignee: *See*—
Kaufmann, Albert.

Scott, Walter W., Denver, Colo. Ellipsograph with guide. 2,595,417, May 6.
Scott, William C., Coeur d'Alene, Idaho, assignor to Pelton's Spudnuts, Incorporated, Salt Lake City, Utah. Rolling, stamping, and cutting machine for dough. 2,595,305, May 6.
Scovill Manufacturing Company, assignee: *See*—
Clemmons, Herbert D.
Scriptomatic, Inc., assignee: *See*—
Federwitz, Theodore A.
Seaman, Ellsworth F., Washington, D. C. Regenerable desiccator. 2,595,306, May 6.
Searle, G. D., & Co., assignee: *See*—
Papesch, Viktor.
Schroeder, Elmer F.
Sebade, George H., Deer River, Minn. Clothesline. 2,595,817, May 6.
Security Engineering Co., Inc., assignee: *See*—
Swart, Kenneth H.
Seely, Thomas H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Clutch tripping mechanism. 2,595,418, May 6.
Seid, Charles K., Woodmere, N. Y. Belt with garment holding clamps. 2,595,893, May 6.
Selberg, John P., Los Angeles, assignor, by mesne assignments, to Dresser Equipment Company, Torrance, Calif. Portable well servicing rig. 2,595,307, May 6.
Severs, Jan, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for vibration testing. 2,596,048, May 6.
Chaper, Harry B.: *See*—
Rutter, Donald E., Shaper, and Brown.
Sharp, John R., assignee: *See*—
Arnot, Alfred E. R.
Shearer, Rose M., Crystal City, and P. R. Adams, Fort Worth, Tex. Fire tool. 2,595,712, May 6.
Shears, Donald E., Novato, Calif. Golf club holder. 2,595,987, May 6.
Shell Development Company, assignee: *See*—
Adelson, David E., and Dannenberg.
De Nie, Willem L. J., and Mettivier.
Hopper, Francis C., and Wiles.
Trainer, Richard P., and Border.
Voorthuis, Heino T.
Shelton, Robert S., Mariemont, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. N-methyl-N-cinnamyl-2-phenylproylamine. 2,595,372, May 6.
Shepherd, N. T., Chair Company, assignee: *See*—
Sperring, Robert H.
Sherbrook, Victor A., Upton, assignor to Millford Shoe Co., Millford, Mass. Insole having separate attached sewing ribs. 2,595,894, May 6.
Sherbrook, Victor A., Upton, Mass. Making insoles having attached tape ribs. 2,595,895, May 6.
Sherman, Harry, Laurelton, N. Y. Pleating of draperies. 2,595,549, May 6.
Shoemaker, Robert C., assignor to Hyster Company, Portland, Oreg. Crane boom assembly. 2,595,896, May 6.
Shoemaker, Robert C., assignor to Hyster Company, Portland, Oreg. Tractor mounted crane. 2,595,897, May 6.
Shoudy, Paul A., Seattle, Wash., assignor to California Container Corporation, Oakland, Calif. Edible material container. 2,596,087, May 6.
Siedenburg, Frederick M., Richmond Hill, assignor to General Aniline & Film Corporation, New York, N. Y. Film developing reel. 2,595,898, May 6.
Siernos, Stanley, Newark, N. J. Coin separator for fare boxes. 2,595,713, May 6.
Sievenpiper, Frederic L.: *See*—
Fleysher, Maurice H., and Sievenpiper.
Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn. as trustee. Screen comprising a Fresnel surface and projection device comprising such a screen. 2,596,049, May 6.
Signal Oil and Gas Company, assignee: *See*—
Moon, James.
Silverman, Daniel, and R. E. Hartline, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Fluid ingress location in wells. 2,595,610, May 6.
Simons, John K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Production of furfuryl urea-formaldehyde thermosetting resins. 2,595,492, May 6.
Simpelaar, Clyde S., assignor to Modine Manufacturing Company, Racine, Wis. Gas-to-gas heat exchanger. 2,595,308, May 6.
Simpson, Arthur M., Lexington, Ky., assignor to The Kawneer Company, Niles, Mich. Pin-resetting mechanism. 2,595,988, May 6.
Simpson, John A., Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation counter. 2,595,550, May 6.
Simpson, Kenneth M., Santa Barbara, W. R. Baker, and Q. A. Kerns, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization gauge. 2,595,611, May 6.
Sivander, Karl A.: *See*—
Kalling, Bo M. S., Sundgren-Wallidén, Wallidén, and Sivander.
Škoda Work, National Corporation, assignee: *See*—
Rosenberg, Josef.
Slaby, Ollie F., Parma, and L. R. K. Mills, Lyndhurst, Ohio. Liquid extracting apparatus. 2,595,493, May 6.
Slater, John M., Garden City, N. Y., assignor to The Sperry Corporation. Flight control apparatus for aircraft. 2,595,309, May 6.
Slayton, Ransom D., Lombard, assignor to Teletype Corporation, Chicago, Ill. Electronic multiplex to start-stop extensor. 2,595,714, May 6.
Sloan, John L., deceased; P. Sloan, executrix, assignor of one-fifth to J. H. Poe, Tulsa, Okla., and four-fifths to P. Sloan. Method of and apparatus for expediting the drilling of wells. 2,595,715, May 6.
Sloan, Pearl, executrix, assignee: *See*—
Sloan, John L.
Slonneger, John L.: *See*—
Hall, Chester L., and Slonneger.
Smeltz, Harry H., Baden, Pa. Fishmouth holding tool. 2,595,989, May 6.
Smila, Wallace H., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Overload release coupling. 2,595,818, May 6.
Smith, Bert: *See*—
Burnett, John L., and Smith.
Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,595,716, May 6.
Smith, Herbert M.: *See*—
Brown, Charles E., and Smith.
Smith, Howard A., Chicago, Ill. Weatherproofing. 2,595,419, May 6.
Smith, Kenneth, Lenexa, Kans. Golf club scale. 2,595,717, May 6.
Smith, Lowell J.: *See*—
Friend, Dawson, and Smith.
Smith, Malcolm K., Elizabeth, assignor to The Baker Castor Oil Company, Jersey City, N. J. Vinyl resins plasticized with thricresyl phosphate and stabilized with barium ricinoleate. 2,595,310, May 6.
Smith, S., & Sons (England) Limited, assignee: *See*—
Milsom, Frederick R.
Smith, William R.: *See*—
Finlayson, Albert, and Smith.
Smola, Paul J., Edwardsville, Ill. Grass catcher for lawn mowers. 2,595,420, May 6.
Smyers, William H., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating oil additives. 2,595,819, May 6.
Snavely, Harold L., Oak Lawn, Ill. Vibrator motor. 2,595,718, May 6.
Snider, Joseph W., Kenmore, and S. G. Domster, Buffalo, N. Y., said Domster assignor to said Snider. Rigid sheet metal awning structure. 2,595,612, May 6.
Snipen, Magnus R., assignee: *See*—
Gilbertsen, Gilbert P.
Snyder, Charles R., Miami Beach, Fla. Carburetor. 2,595,719, May 6.
Snyder, Charles R., Miami Beach, Fla. Carburetor. 2,595,720, May 6.
Snyder, Charles R., Miami Beach, Fla. Carburetor. 2,595,721, May 6.
Snyder, Nate H., Jr.: *See*—
Johnsen, John H., and Snyder.
Societe Anonyme des Etablissements Ducellier, assignee: *See*—
Montifret, Maurice.
Societe Anonyme, Etablissements Ed. Jaeger, assignee: *See*—
Rodanet, Charles H. H.
Societe Anonyme Tecalemit, assignee: *See*—
Marcou, Jean.
Societe Des Usines Chimiques Rhone Poulenc, assignee: *See*—
Charpentier, Paul.
Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Horclois, Raymond J.
Solomon, Ernest: *See*—
Burton, William P., and Solomon.
Soltau, Le Roy J.: *See*—
Howells, Merriam J. and A. M., and Soltau.
Somerville, Gareth G., Pittsfield, Mass., assignor to General Electric Company. Magnetic core. 2,595,820, May 6.
Sonia, Joseph A., Niagara Falls, and C. E. Lisman, Lewiston, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Preparation of monochloroacetic acid. 2,595,899, May 6.
Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Capmaking machine. 2,596,050, May 6.
Soos, Joseph, assignor to The Gabriel Company, Cleveland, Ohio. Hose coupling. 2,595,900, May 6.
Sorensen, Martin B., Merced, Calif. Hat stacking device. 2,595,722, May 6.
Southern California Glass Co., Inc., assignee: *See*—
Backman, John W.
Southworth Machine Company, assignee: *See*—
Aberle, Roy F.
Spalding, Kenneth F., Lodi, N. J., assignor to W. F. Stahl, Kenilworth, Ill. Plastic-sealing machine. 2,595,421, May 6.
Sparks, William J.: *See*—
Young, David W., and Sparks.

Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr., and Uhl.
Spencer, Effie P., coadministrator: *See*—
Spencer, Harlan L.
Spencer, Harlan L., deceased, Bremen, Ind.; E. P. Spencer and The National Bank and Trust Company of South Bend, coadministrators. House trailer construction. 2,595,613, May 6.
Spencer, Lyle S., assignee: *See*—
Morris, Charles E.
Sperring, Robert H., Oak Park, Ill., assignor to N. T. Shepherd Chair Company, Salt Lake City, Utah. Adjustable chair construction. 2,595,901, May 6.
Sperry Corporation, The, assignee: *See*—
Crist, Philip W.
Harcum, William M.
Jaynes, Edwin T.
Kellogg, Spencer, 2nd.
Slater, John M.
Spiegelberg, Hans, and G. Rey-Bellet, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. M-allyl-oxy-phenyl-isothiocyanate. 2,595,723, May 6.
Springate, Maurice S., Oaklands, assignor to Aviation Developments Limited, Welwyn Garden City, Herts, England. Feeding device for rivets or similar articles. 2,595,551, May 6.
Square D Company, assignee: *See*—
Schaefer, Carl A.
Stacey Bros. Gas Construction Company, assignee: *See*—
Brinkman, Herbert C., and Weber.
Stahl, William F., assignee: *See*—
Spalding, Kenneth F.
Staib, John H.: *See*—
Carlson, Carl S., Catterall, and Staib.
Standard Oil Company, assignee: *See*—
Den Herder, Marvin, and Heard.
Dinerstein, Robert A., and Van Strien.
Johnsen, John H., and Snyder.
Standard Oil Development Company, assignee: *See*—
Carlson, Carl S., Catterall, and Staib.
Daussat, Russell L., and Steele.
Hale, Cecil H.
Hale, Cecil H., and Starr.
Hemminger, Charles E.
Holder, Clinton H.
Leyonmark, George F., and Arundale.
Morrell, Charles E., Robertson, and Carlson.
Odell, William W., and Matheson.
Smyers, William H., and Young.
Stone, Albert L.
Young, David W., and Sparks.
Stanley, Herbert M.: *See*—
Highet, Hugh C., Salt, and Stanley.
Stanley Works, The, assignee: *See*—
Rich, Leland D.
Stanolind Oil and Gas Company, assignee: *See*—
Hartline, Ralph E., and Murphy.
Silverman, Daniel, and Hartline.
Stant Manufacturing Company, assignee: *See*—
Friend, Dawson, and Smith.
Starr, Charles E., Jr.: *See*—
Hale, Cecil H., and Starr.
Staywell Corporation, assignee: *See*—
Grosvenor, William M., Jr.
Grosvenor, William M., Jr., and Davis.
Steele, Archie A., Los Angeles, Calif. Multiple chine boat hull. 2,595,422, May 6.
Steele, Clellie T.: *See*—
Daussat, Russell L., and Steele.
Stein, Leo, Chicago, Ill. Luggage or like handle of reinforced and cushioned construction. 2,595,724, May 6.
Steiner, Albert M., Cincinnati, Ohio. Whirling toy. 2,595,990, May 6.
Sternad, Frank S., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire building apparatus. 2,595,423, May 6.
Stewart, Donald R., Detroit, Mich. Electrical energy measuring apparatus. 2,595,373, May 6.
Stickel, Harold A., San Francisco, Calif. Selective signal receiving device. 2,595,614, May 6.
Stigter, Willem H., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas piston apparatus having cylinder means and axially arranged piston bodies, heat exchangers, and regenerator therein. 2,596,051, May 6.
Stockmar, Albert H., Villa Rica, Ga. Apparatus and method for molding concrete blocks. 2,596,052, May 6.
Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Spinner elevator for pipe. 2,595,902, May 6.
Stone, Leonard: *See*—
Boruff, Clair S., Stone, Bauernfeind, and Garey.
Stop-Motion Devices Corp., assignee: *See*—
Vossen, Edward.
Stranahan, John J.: *See*—
Jones, James M., and Stranahan.
Strange, John P., Wilkinsburg, and W. P. Yant, Murraysville, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Automatic multiple sampling valve. 2,595,311, May 6.
Stratman, Omar, Gunnison, Colo. Four-wheel drive tractor. 2,595,494, May 6.
Stromberg-Carlson Company, assignee: *See*—
Kessler, Frank.
Struthers Wells Corporation, assignee: *See*—
Hene, Louis J.
Stuart, Frederick E., Baltimore, Md. Flocculating system. 2,596,082, May 6.
Studler, Aurele A., Glendale, Calif. Angle computer and work holder. 2,595,424, May 6.
Studt, William C., St. Louis, Mo. Aerial spinning toy. 2,595,374, May 6.
Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Coordinated clutch and brake control for vehicle driving mechanism. 2,596,053, May 6.
Sugimoto, Roy: *See*—
Hinkamp, James B., and Sugimoto.
Sundgren-Wallidén, Ruth S. M.: *See*—
Kalling, Bo M. S., Sundgren-Wallidén, Wallidén, and Sivander.
Super Speed Printing Machinery, Inc., assignee: *See*—
Adrian, Joseph.
Sutton, Kenneth E., Greenwood, R. I. Two-section foldable game table. 2,595,725, May 6.
Swanbeck, Algott W., Tracy, Minn. Minnow pail. 2,595,726, May 6.
Swart, Kenneth H., assignor to Security Engineering Co., Inc., Whittier, Calif. Rock bit radial bearing. 2,595,903, May 6.
Swart, Kenneth H., assignor to Security Engineering Co., Inc., Whittier, Calif. Tricone rock bit. 2,595,904, May 6.
Sweeney, Fred C., Steubenville, Ohio, assignor to National Steel Corporation. Annealing. 2,595,991, May 6.
Sweetman, William G., Houston, Tex. Initiating device for suspended explosive charges. 2,595,615, May 6.
Swift & Company, assignee: *See*—
Brabets, Robert I.
Brissey, George E.
Prohaska, James J.
Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Organosiloxanes containing methyllyl silicon oxide groups. 2,595,727, May 6.
Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polysiloxanes containing allyl radicals. 2,595,728, May 6.
Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Organosilicon compounds and conductors insulated therewith. 2,595,729, May 6.
Swiss, Jack, McKeesport, and C. E. Arntzen, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Organosiloxanes containing allyl radicals and heat-treated products. 2,595,730, May 6.
T. & T. Vicars Limited, assignee: *See*—
Appleton, Albert, and Collinge.
Talboys, Henry H., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Bucket elevator and feed means therefor. 2,595,312, May 6.
Tallman, Robert B., Jersey City, N. J. Hanger. 2,596,054, May 6.
Tapp, Ernest T. J., and J. Davey, assignors to County Commercial Cars Limited, Fleet, England. Amusement track apparatus. 2,595,992, May 6.
Telefonaktiebolaget, L. M. Ericsson, assignee: *See*—
Hjertstrand, Svante L.
Teletype Corporation, assignee: *See*—
Hansen, Theodore A.
Slayton, Ransom D.
Zenner, Walter J.
Telkes, Maria, Boston, Mass. Radiant energy heat transfer device. 2,595,905, May 6.
Temperley, John, assignor to Walmsleys (Bury) Limited, Bury, England. Liquid level control means. 2,595,731, May 6.
Templeman, Basil E., and H. M. Recker, Quincy, Ill. Electronically controlled advertising device. 2,595,993, May 6.
Texaco Development Corporation, assignee: *See*—
Kiersted, Wynkoop, Jr., and Gross.
Texas Company, The, assignee: *See*—
Agnew, Robert J.
Barber, Everett M.
Eastman, Du Bois.
Jones, James M., and Stranahan.
Pevere, Ernest F., and Arnold.
Thomas, George J., assignor to Watts Electric & Mfg. Co., Birmingham, Mich. Lamp socket supporting means. 2,595,994, May 6.
Thomas, Jean D., Buffalo, N. Y. Detachable wheel chair walking apparatus. 2,596,055, May 6.
Thomas, Pacific J., Wyoming, assignor to U. S. Textile Machine Company, Scranton, Pa. Spool mounting and operating means. 2,595,906, May 6.
Thomas, Robert E., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Photomultiplier coincidence circuit. 2,595,552, May 6.

Thomas, Walter M., Springdale, and J. A. Price, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable and polymerized acrylonitrile - dialkylaminopropylacrylamide compositions. 2,595,907, May 6.

Thompson Grinder Company, The, assignee: *See*—
Lohntko, Floryan.

Thomson, Thomas B., Altadena, and H. A. Curtis, Whittier, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Horsepower indicator. 2,595,425, May 6.

Thornhill, Peter W., assignor to Levitation Limited, Leamington Spa, England. Pneumatic suspension struts. 2,595,426, May 6.

Thorstensen, Melvin C., Berwyn, Ill. Ornamental lamp shade providing a display of blending colors. 2,595,732, May 6.

Thorwid, Carl, Uppsala, Sweden. Refrigerating plant. 2,595,995, May 6.

Timer Research Corp., assignee: *See*—
Zuckerman, Milton.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Lamp socket mounting and fastener therefor. 2,596,056, May 6.

Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.

Tokheim Oil Tank and Pump Company, assignee: *See*—
Hill, Robert H., and Foss.
Tone, Frank J., and H. C. Martin, assignors to The Carborundum Company, Niagara Falls, N. Y. Coated abrasive article and making the same. 2,595,733, May 6.

Toulmin, Harry A., Jr., assignor to New Wrinkle, Inc., Dayton, Ohio. Ornamental wrinkle films. 2,595,734, May 6.

Toulon, Pierre M. G., Paris, France, assignor to Products & Licensing Corporation, New York, N. Y. Light diffusing surface made out of electrooptical elements controlled electrostatically. 2,595,616, May 6.

Toulon, Pierre M. G., Neuilly-sur-Seine, France, assignor to Products & Licensing Corporation, New York, N. Y. Color television by multielement glow lamp screen. 2,595,617, May 6.

Tracy, Glen M., assignor to Wright Machinery Company, Durham, N. C. Automatic weighing machine. 2,595,908, May 6.

Trainer, Richard P., Amityville, N. Y., and L. E. Border, Westwood, N. J., assignors to Shell Development Company, San Francisco, Calif. Method and apparatus for treating hydrocarbon oils. 2,595,909, May 6.

Treves, Gino R., assignor to Schieffelin & Co., New York, N. Y. Basic esters of 2,3-di(4-alkoxyphenyl)-2-hydroxypropanoic acid. 2,595,735, May 6.

Trost, Conrad, and J. W. Holdcraft, Moorestown, N. J., assignors, by mesne assignments, to Freeport Sulphur Company, New York, N. Y. Solid feeding means for fluid-type pulverizer. 2,596,088, May 6.

Troutfotter, Frank C., Manhattan, Kans. Longitudinally adjustable shoe tree. 2,595,736, May 6.

Trussell, Clarence D., Turnwood, N. Y. End lock for rings of mechanical binders. 2,595,427, May 6.

Trussell, Clarence D., Turnwood, N. Y. Sander. 2,595,428, May 6.

Trussell, Clarence D., Turnwood, N. Y. Hand sander. 2,595,429, May 6.

Turman, Grover C., Titusville, Fla. Interlocking shingle. 2,595,821, May 6.

Turner, Charles R., Philadelphia, Pa. Timer. 2,595,313, May 6.

Tuttle, Clifton M., Halesite, N. Y., and R. H. Morgan, Baltimore, Md.; said Tuttle assignor to Kenyon Instrument Company, Inc., Huntington, N. Y. Photofluorographic apparatus. 2,595,430, May 6.

Uggerby, William, assignor to Young Radiator Company, Racine, Wis. Spring seal for tube and shell heat exchangers. 2,595,822, May 6.

Uhl, Arthur W.: *See*—
Grant, Harry C., Jr., and Uhl.

Union Carbide and Carbon Corporation, assignee: *See*—
Doughty, Edward W., Murray, and Fales.
Wagner, George H., and Erickson.
Wolf, Raymond A.

Union Oil Company of California, assignee: *See*—
Worth, Harry J., Page, and Cook.

United Aircraft Corporation, assignee: *See*—
Hasbrouck, John S.
Laubin, Clarence W.
Lee, John G.

United Engineers & Constructors Inc., assignee: *See*—
Haug, John S.

United Shoe Machinery Corporation, assignee: *See*—
Bagshaw, Charles M., and Lane.
Seely, Thomas H.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Carlson, Oscar N., and Wilhelm.
Raper, John R., and Zirkle.
Schlesinger, Hermann I., and Brown.
Simpson, John A., Jr.
Simpson, Kenneth M., Baker, and Kerns.
Thomas, Robert E.
Weimer, Paul E.
Wiegand, Clyde E.

United States Rubber Company, assignee: *See*—
Lovell, Dale E.

United States Steel Company, assignee: *See*—
Wallace, Henry J.

U. S. Textile Machine Company, assignee: *See*—
Thomas, Pacific J.

Universal Oil Products Company, assignee: *See*—
Schmerling, Louis.

Upjohn Company, The, assignee: *See*—
Cookson, Leonard T.
Moffett, Robert B.

Vaaler, John C.: *See*—
Johnston, Jesse, and Vaaler.

Van Amersfort, Gerrit J., St. Louis, Mo. Molding machine. 2,595,996, May 6.

Van Heeckeren, Willem J., and H. Rinia, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Method and apparatus for temporarily increasing the power of hot-gas engines. 2,596,057, May 6.

Vannini, Philipp, assignor to Landis & Gyr A. G., Zug, Switzerland. Arrangement for setting a clock system with master clock. 2,595,431, May 6.

Van Strien, Richard E.: *See*—
Dinerstein, Robert A., and Van Strien.

Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiver for short waves. 2,595,997, May 6.

Van Weenen, Franciscus L., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot-gas engine with displacer cap safety venting means. 2,596,058, May 6.

Venturelli, Giovanni A.: *See*—
Camnasio, Carlo, Venturelli, and Colaiupo.

Vertical Mfg. Corporation, assignee: *See*—
Lavander, Edward J.

Vettel, Arthur W., and R. D. Israel, Watsonville, Calif., assignors to Kaiser Aluminum & Chemical Corporation. Producing magnesium hydroxide. 2,595,314, May 6.

Viewlex, Inc., assignee: *See*—
Perillo, Florindo J., and Polian.

Vogel, Fred J.: *See*—
Alcher, Louis C., and Vogel.

Vogt, Paul R., Grosse Pointe, and B. C. Jacob, Jr., Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Two pump system. 2,595,618, May 6.

Voickening, Lloyd I., executor: *See*—
Salfisberg, Leroy L.

Volk, Walter: *See*—
Von Berg, Josef, and Volk.

Volz, Frank W.: *See*—
Safrin, Leopold, and Volz.

Von Berg, Josef, Stuttgart-Bad Cannstadt, and W. Volk, Stuttgart-Uhlbach, Germany. Focusing device. 2,595,495, May 6.

Von Rotz, Robert, Manhasset, N. Y., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio. Jet pump. 2,595,737, May 6.

Voorthuis, Heino T., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Use of a mixture of a diamide of a carbonic acid and an epoxy compound to stabilize a halogen containing material. 2,595,619, May 6.

Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Top box with a thread cutter for knitting machines. 2,595,998, May 6.

Wager, Robert H., Maplewood, N. J. Soot blower head and valve mechanism therefor. 2,595,377, May 6.

Wagner, George H., Kenmore, and C. E. Erickson, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Hydrogenation of halogenosilanes. 2,595,620, May 6.

Wagner, Grace, assignee: *See*—
Keele, Ralph M.

Wahlbeck, Ragnar, New York, N. Y. Syringe. 2,596,083, May 6.

Waldes Kohinoor, Inc., assignee: *See*—
Heimann, Heinrich.

Walker, Hiram, & Sons Inc., assignee: *See*—
Bornff, Clair S., Stone, Bauernfeind, and Garey.

Walker, Stanley F., Montgomery, Ala. Valved piston compressor. 2,595,738, May 6.

Wallace, Henry J., Scarsdale, N. Y., assignor to United States Steel Company. Rolling mill. 2,595,910, May 6.

Wallden, Sven J.: *See*—
Katling, Bo M. S., Sundgren-Wallden, Wallden, and Sivander.

Waller, Robert H., Nashville, Tenn. Check protector. 2,596,059, May 6.

Wallin, Dagmar G., assignee: *See*—
Petersen, Carl E.

Walmsleys (Bury) Limited, assignee: *See*—
Temperley, John.

Walz, Claude W., Rock Island, and H. F. Clausen, assignors to Deere & Company, Moline, Ill. Seeder drive arrangement. 2,596,060, May 6.

War, United States of America as represented by the Secretary of, assignee: *See*—
Alford, Andrew.
Sager, Irving.

Wassenaar, William J., Coopersville, Mich. Spinning top. 2,595,823, May 6.

Waterbury Farrel Foundry & Machine Company, The, assignee: *See*—
Wilcox, Richard L., and Hoyt.

Watts Electric & Mfg. Co., assignee: *See*—
Thomas, George J.

Way, Stewart, Pittsburgh, A. E. Hershey, Wilkinsburg, Pa., and J. R. Boyd, Urbana, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power plant combustion apparatus having apertured combustion chamber walls. 2,595,999, May 6.

Webb, Earl G.: *See*—
Langfeld, Daniel, Leckey, Olson, and Webb.

Weber, Karl R.: *See*—
Brinkman, Herbert C., and Weber.

Webley, Reginald S., Hayes, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television and like transmitting apparatus. 2,596,061, May 6.

Webster, William M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Cascade-connected semiconductor amplifier. 2,595,496, May 6.

Webster, William M., Jr., Princeton, N. J., assignor to Radio Corporation of America. Semiconductor device for two-stage amplifiers. 2,595,497, May 6.

Welhe, Vernon I., Arlington, Va. Directional antenna controlled craft position plotting device. 2,595,315, May 6.

Well, James K.: *See*—
Ault, Waldo C., Nutting, and Well.

Weimer, Paul E., West Lafayette, Ind., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fluorinated compounds and producing same. 2,596,084, May 6.

Weimer, Paul K., Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,595,553, May 6.

Weirich, Henry: *See*—
Weirich, William F. and H.

Weirich, William F. and H., Philadelphia, and H. Weirich, Lenni, Pa. Dispensing unit for slot insulation material. 2,595,375, May 6.

Weiss, Gerhart, Long Island City, N. Y. Fluid motor operated toy vehicle. 2,596,000, May 6.

Wendt, Delbert O., Bonner Springs, Kans. Bull lead with quick release. 2,595,432, May 6.

Weseman, Chester A., Austin, Minn. Gas burner. 2,595,739, May 6.

West, Willis Z., Jr., and M. F. Gamble, Winston-Salem, N. C. Centrifugal switch. 2,595,621, May 6.

Westinghouse Air Brake Company, assignee: *See*—
Doriot, Kenneth E.

Westinghouse Electric Corporation, assignee: *See*—
Boyer, John L.
McCloy, Graham S.
Swiss, Jack, and Arntzen.
Way, Stewart, Hershey, and Boyd.

Wetzler, Charles E., Long Island City, N. Y. Reed operated musical instrument. 2,595,316, May 6.

Weyerhaeuser Timber Company, assignee: *See*—
Heritage, Clark C.

Wharton, Leonard O., Jr., Fort Worth, Tex. Gas valve assembly for oil wells. 2,595,824, May 6.

Whetzell, Glenn H.: *See*—
Wiesman, Clarence K., Whetzell, and Schjeldahl.

White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 2,595,554, May 6.

White, Roby B., Jr., U. S. Navy. Spray gun. 2,595,317, May 6.

Wichita Scale & Manufacturing Co., Inc., assignee: *See*—
Morley, Frank F.

Wiegand, Clyde E., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fission indicator. 2,595,622, May 6.

Wiesman, Clarence K., Chicago, Ill., G. H. Whetzell and G. T. Schjeldahl, Hobart, Ind., assignors to Armour and Company, Chicago, Ill. Preparing frozen meat packages. 2,595,498, May 6.

Wilcox, Richard L., and H. L. Hoyt, assignors to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. Shaft driving mechanism for headers or like machines. 2,595,433, May 6.

Wiles, Quentin T.: *See*—
Hopper, Francis C., and Wiles.

Wiley, Robert D., Birmingham, Mich. Filter. 2,595,740, May 6.

Wilhelm, Harley A.: *See*—
Carlson, Oscar N., and Wilhelm.

Wilkinson, Leonard A., assignor to Argus Cameras, Inc., Ann Arbor, Mich. Flash lamp ejector socket assembly. 2,595,318, May 6.

Williams, Alan F.: *See*—
Kaufman, Morris, and Williams.

Williams, William W., assignor to Mexia Tubing Rotator Company, Mexia, Tex. Tubing rotator. 2,595,434, May 6.

Williamson, Walter H., Indian Hill, assignor to The Procter and Gamble Company, Ivorydale, Ohio. Solvent extraction of vegetable oils. 2,595,825, May 6.

Wilson & Co., Inc., assignee: *See*—
Safrin, Leopold, and Volz.

Wilson-Jones Company, assignee: *See*—
Bunch, Peter, Mittomme, and Jennings.

Winders, Rex R.: *See*—
Geist, Alex M., and Winders.

Winks, John L., and L. Fletcher, assignors to Lowell Specialty Company of Lowell, Mich., Lowell, Mich. Spray nozzle. 2,595,826, May 6.

Winnewisser, Emil A.: *See*—
Davis, Ernest, and Winnewisser.

Winona Tool Mfg. Company, assignee: *See*—
Fuglie, Elmer A.

Woldman, Henry, Roxbury, and E. D. McDonough, Medford, Mass. Apparatus and machine for reducing tube ends. 2,595,319, May 6.

Wolf, Calvin N.: *See*—
Ligett, Waldo B., Closson, and Wolf.

Wolf, Raymond A., Maplewood, N. J., assignor to Union Carbide and Carbon Corporation. Method and apparatus for butt welding glass members. 2,595,555, May 6.

Wolf, Stewart W.: *See*—
Caldwell, John B., Ginsberg, and Wolf.

Wolfinger, Robert F., Delaware, assignor to W. H. F. Schmieding, Columbus, Ohio. Poultry plucking mechanism. 2,595,435, May 6.

Wolters, Carl F., New Canaan, Conn., assignor to Remington Rand Inc., New York, N. Y. Document photographing camera. 2,595,741, May 6.

Wood, George B., Jr.: *See*—
Chmura, Theodore S., and Wood.

Wood, George H., Jr., Roanoke, Va. Corner trowel. 2,595,742, May 6.

Wood, Thomas R., Murray Hill, and D. Hendlin, Elizabeth, assignors to Merck & Co., Inc., Rahway, N. J. Production of vitamin B_{12}. 2,595,499, May 6.

Wormuth, Wilbur J., Schenectady, N. Y., assignor to General Electric Company. Elastic hydrocarbon-substituted polysiloxanes and ammonium carbonate as catalyst. 2,596,085, May 6.

Worth, Harry J., and W. H. Page, Rodeo, and J. F. Cook, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating compositions and preparation. 2,595,556, May 6.

Worth, Harry J., Rodeo, W. H. Page, Walnut Creek, and J. F. Cook, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,595,557, May 6.

Wright Machinery Company, assignee: *See*—
Tracy, Glen M.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Schmidt, Francis M.

Wyandotte Chemicals Corporation, assignee: *See*—
Schubring, Arthur C., and Jillson.

Wyatt, Edwin F., Raleigh, N. C. Garment hanger. 2,596,001, May 6.

Yant, William P.: *See*—
Strange, John P., and Yant.

Yonkers, William A., Mountain Lakes, assignor to Radio Frequency Laboratories, Inc., Boonton, N. J. Signal generator. 2,595,623, May 6.

Young, David W.: *See*—
Smyers, William H., and Young.

Young, David W., Roselle, and W. J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company. Paraffin wax-styrene isobutylene copolymer composition. 2,595,911, May 6.

Young, Elton B., Dillsburg, Pa. Sanitary cleaning equipment. 2,595,743, May 6.

Young Radiator Company, assignee: *See*—
Uggerby, William.

Young, William, Wishaw, Scotland. Window for buses and the like. 2,595,744, May 6.

Zaayer, David, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for ultrahigh frequencies. 2,596,002, May 6.

Zacharlassén, Stig H. B., assignor to Aktiebolaget Separator, Stockholm, Sweden. Device for stabilizing and homogenizing liquid mixtures. 2,595,376, May 6.

Zakheim, Murray: *See*—
Parr, Thaddeus, and Zakheim.

Zales, Joseph H.: *See*—
Franck, George E., and Zales.

Zenith Radio Corporation, assignee: *See*—
Chelgren, Arvid E.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph selector. 2,595,745, May 6.

Zimmerman, Charles H., assignor to Zimmerman Packing Company, Norwood, Ohio. Cutting tool. 2,595,500, May 6.

Zimmerman Packing Company, assignee: *See*—
Zimmerman, Charles H.

Zinn, Herman R., Rochelle Park, N. J. Support for disassembled sections of fly and similar rods. 2,595,746, May 6.

Zirkle, Raymond E.: *See*—
Raper, John R., and Zirkle.

Zuckerman, Milton, Brooklyn, assignor to Timer Research Corp., New York, N. Y. Interval timer switch. 2,595,624, May 6.

LIST OF PLANT INVENTIONS

Caryopteris plant. J. J. Grullemans. 1,091, May 6.
Flowering and fruiting peach tree. W. E. Lammerts. 1,093, May 6.
Ornamental and fruiting peach tree. W. E. Lammerts. 1,092, May 6.
Rose plant. W. B. Moffet. 1,094, May 6.

LIST OF DESIGN INVENTIONS

Airplane. A. Kartveli. 166,673, May 6.
Ash tray. E. Pandy. 166,706, May 6.
Bicycle, Child's. W. Lines. 166,693, May 6.
Blouse. J. Orloff. 166,697–704, May 6.
Bracelet or similar article, Novelty. M. M. Schrager. 166,718, May 6.
Bracelet or the like. A. Katz. 166,674, May 6.
Brooch or the like. A. Katz. 166,675, May 6.
Brooch or the like. A. Katz. 166,691, May 6.
Brooch or the like. A. Philippe. 166,711, May 6.
Cabinet, Refrigerator. R. C. Sandin. 166,715–16, May 6.
Card game tray. E. H. Noelting. 166,696, May 6.
Chair. P. C. Curtis. 166,660, May 6.
Container, Cosmetic. R. A. Colotti. 166,659, May 6.
Earring or the like. A. Katz. 166,687–9, May 6.
Fabric or similar article, Textile. G. Scalamandré. 166,717, May 6.
Footcap or the like, Lady's. R. P. Kantor. 166,672, May 6.
Handbag. W. H. Hardy. 166,668, May 6.
Housecoat. H. Farah. 166,661, May 6.
House-trailer, Duplex. R. Ten Eyck. 166,722, May 6.
Knife blade or similar article, Serving. J. O. Van Koert. 166,723, May 6.
Lamp base. L. Benigni. 166,656–7, May 6.
Lamp, Decorative. E. C. Fasson. 166,662, May 6.
Lamp, Television. A. C. Guilmette, Sr. 166,665, May 6.
Lighting fixture. A. V. Jernigan. 166,671, May 6.
Macaroni. D. Maldari. 166,695, May 6.
Necklace or the like. A. Katz. 166,676–86, May 6.
Necklace or the like. A. Katz. 166,690, May 6.
Necklace or the like. A. Philippe. 166,708–10, May 6.
Overdrive housing. H. F. Heisler. 166,669, May 6.
Petticoat. A. Friedman. 166,663, May 6.
Pillow. B. Godfrey. 166,664, May 6.
Sheet metal. F. Wagner. 166,724, May 6.
Skating shoe muff. E. Paster. 166,707, May 6.
Spoon and fork, Combined relish. L. S. Madda. 166,694, May 6.
Stand or similar article, Valet. H. Cohen. 166,658, May 6.
Stocking. I. Rabinowitz. 166,712–13, May 6.
Stocking. H. Spiller. 166,720, May 6.
Stocking. H. M. Suess. 166,721, May 6.
Stocking, Lady's. A. E. Wolf. 166,727–8, May 6.
Table and seat unit. J. W. Watson. 166,725, May 6.
Table frame, Cocktail. L. Grundy. 166,666, May 6.
Table frame, Octagon. L. Grundy. 166,667, May 6.
Tank truck body. C. Hoppel. 166,670, May 6.
Toy catapult. J. A. Riordan. 166,714, May 6.
Traffic sign device. A. O. Wittreich. 166,726, May 6.
Tricycle, Child's. W. Lines. 166,692, May 6.
Vehicle cab. T. Ornas, Jr. 166,705, May 6.
Watch band and watchcase, Combined expansible. K. Speck. 166,719, May 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerating the conditioning of textiles after drying. E. Honegger. 2,595,261, May 6.
Accessory and counterbalance drive for power plants. J. S. Hasbrouck. 2,595,942, May 6.
Acrylonitrile copolymers, Dyeable. G. E. Ham. 2,595,575, May 6.
Activated form of alumina, Production of an. L. Schmerling. 2,595,415, May 6.
Adding alloys to metals. H. A. Reece. 2,595,292, May 6.
Additive tension device. N. E. Klein. 2,595,270, May 6.
Adjustable and retractable internal thread gauge. J. C. Bath and E. L. Ackley. 2,595,917, May 6.
Adjustable automobile seat. R. S. King. 2,596,033, May 6.
Adjustable automotive mirror mounting. J. Fischer. 2,595,832, May 6.
Adjustable control mechanism. E. D. Raney. 2,595,813, May 6.
Adjustable shaft connector. E. J. Casaroll. 2,596,007, May 6.
Advertising device, Electronically controlled. B. E. Templeman and H. M. Recker. 2,595,993, May 6.
Aircraft rotor blade pitch control linkage. E. Daland. 2,595,642, May 6.
Air-metering intake. W. E. Hale. 2,595,654, May 6.
Airplane cabin seating arrangement. P. D. Priebe. 2,595,607, May 6.
Airplane hangar, Individual. H. F. Keller. 2,595,794, May 6.
Air sterilizing method and apparatus. W. M. Grosvenor, Jr., and A. P. Davis. 2,595,673, May 6.
Air sterilizing method and apparatus. W. M. Grosvenor, Jr. 2,595,674, May 6.
Alkali metal alkyltoluene sulfonates as emulsifying agents in low temperature emulsion polymerization processes. W. A. Schulze and W. W. Crouch. 2,595,892, May 6.
Alloy: *See*—
Quaternary bismuth alloy.
Alpha-glycol sulfuric esters, Preparation of. R. A. Dinerstein and R. E. Van Strien. 2,595,341, May 6.
Alpha-naphthol by catalytic reduction of alpha-tetralol and alpha-tetralone, Production of. R. Johnson. 2,595,266, May 6.
Amplifier. H. W. Becker. 2,595,444, May 6.
Amplifier, Cascade-connected semiconductor. W. M. Webster, Jr. 2,595,496, May 6.
Amplifier, High fidelity. H. W. Becker. 2,595,443, May 6.
Amusement track apparatus. E. T. J. Tapp and J. Davey. 2,595,992, May 6.
Anchor. R. R. Majors. 2,595,966, May 6.
Angle computer and work holder. A. A. Studler. 2,595,424, May 6.
Angle modulated carrier wave receiver. J. Avins. 2,595,441, May 6.
Animal restraining device. J. F. Sanders. 2,595,302, May 6.
Annealing. F. C. Sweeney. 2,595,991, May 6.
Antenna controlled craft position plotting device, Directional. V. I. Welhe. 2,595,315, May 6.
Antenna lobe shifting device. M. Kline. 2,595,271, May 6.
Antenna with electro-magetic answer-back means, Turbine rotated. A. Alford. 2,595,912, May 6.
Antifoam emulsion. C. C. Currie and M. C. Hommel. 2,595,928, May 6.
Apparatus and machine for reducing tube ends. H. Woldman and E. D. McDonough. 2,595,319, May 6.
Apparatus and method for molding concrete blocks. A. H. Stockmar. 2,596,052, May 6.
Apparatus and process for circulating powdered solids in chemical treatment. C. E. Hemminger. 2,595,254, May 6.
Apparatus for cleaning parts and for separating suspended particles from liquids. E. A. Fuglie. 2,595,838, May 6.
Apparatus for cleaning poultry houses. L. E. Lalancette. 2,595,392, May 6.
Apparatus for coating surfaces with plastic and other semiliquid compositions. A. H. Hawes. 2,596,074, May 6.
Apparatus for compacting a refractory medium in a bung of chinaware. R. H. Pass. 2,595,880, May 6.
Apparatus for controlling internal-combustion engines. C. O. Henneman and D. R. de Boisblanc. 2,595,524, May 6.
Apparatus for determining the fluidity of molten metals. H. A. Reece. 2,595,293, May 6.
Apparatus for evaporating and concentrating liquids. H. K. Müller. 2,596,086, May 6.
Apparatus for grinding helical gears. F. Lohutko. 2,595,591, May 6.
Apparatus for lighting cigarettes and the like. H. S. Cahen. 2,595,512, May 6.
Apparatus for measuring the phase shift between the input and output voltages of a circuit under test. C. E. Ingalls. 2,595,263, May 6.
Apparatus for removing drum covers. E. Grandinetti, J. J. Rush, and O. C. Balmer. 2,595,245, May 6.
Apparatus for removing toothpicks from beads. F. E. Clearwater. 2,595,641, May 6.
Apparatus for taking stereoscopic pictures without abnormal stereoscopic effects. F. H. Reijnders. 2,595,409, May 6.
Apparatus for transmission of music from a central studio to a plurality of subscribers. J. L. Burnett and B. Smith. 2,595,510, May 6.
Apparatus for using one cylinder of an internal-combustion engine interchangeably as a pump and a power cylinder. R. H. Miller. 2,595,281, May 6.
Applying a bottom margin indicating mark to a paper sheet in a typewriting machine. M. McKellar. 2,595,801, May 6.
Applying oblique spray, Method and apparatus for. L. P. Dosmann. 2,595,342, May 6.
Aquarium drainage device. G. W. Ludwick. 2,595,965, May 6.
Aqueous dispersions of rubberlike plastics, Producing. G. F. Leyonmark and E. Arundale. 2,595,797, May 6.
Arrangement for setting a clock system with master clock. P. Vannini. 2,595,431, May 6.
Arrangement for ventilating of railway carriages, buses and similar vehicles. S. O. Rygård. 2,595,370, May 6.
Art and apparatus for pleating drapes. S. M. Holcomb. 2,595,790, May 6.
Attaching electric lamp sockets to tubular lamp bases. C. Bramming. 2,596,006, May 6.
Attachment for animal traps. W. T. Oxley. 2,595,809, May 6.
Attitude indicator. H. Konet and P. A. Noxon. 2,595,951, May 6.
Audio caliper device. R. W. Goble and G. Jackson. 2,596,023–4, May 6.
Automatic carpet tufting and pile cutting machine. R. C. Kline. 2,595,585, May 6.
Automatic control for switching type conveyers. K. H. Hansen and T. B. Jochem. 2,595,356, May 6.
Automatic control system. F. R. Milsom. 2,595,868, May 6.
Automatic distillation testing. J. M. Jones and J. J. Stranahan. 2,595,948, May 6.
Automatic multiple sampling valve. J. P. Strange and W. P. Yant. 2,595,311, May 6.
Automatic recovery pilot for aircraft. W. M. Harcum. 2,595,250, May 6.
Automatically tuned wide range receiver and transmitter. H. A. Robinson and O. L. MacSorley. 2,595,608, May 6.
Automobile door safety latch. S. and F. A. Abdallah. 2,595,436, May 6.
Azo dyestuff derivatives and making same. C. Graenacher and H. Bruengger. 2,595,571, May 6.
Baby teething device, Sanitary and safe. A. B. Johnson. 2,595,462, May 6.
Bag: *See*—
Wheeled shopping bag.
Bagged material reconditioning machine. C. D. Fox. 2,595,237, May 6.
Balanced motion converting mechanism. A. Kaufmann. 2,595,464, May 6.
Ball cock valve. H. D. Clemmons. 2,595,766, May 6.
Ball game with collapsible target. A. E. Elstetter. 2,595,649, May 6.
Barber's rest, Swinging auxiliary. S. C. Butz. 2,595,921, May 6.
Base for motors. J. J. Byrnes. 2,595,637, May 6.
Basic esters of 2,3-di (4-alkoxyphenyl)-2-hydroxypropanoic acid. G. R. Treves. 2,595,735, May 6.
Bath mitt. V. Pierce. 2,595,882, May 6.
Beacon having independently adjustable light units retractably mounted for servicing, Rotating. R. E. Crossley and H. M. Pattat. 2,595,770, May 6.
Beam clamp. W. T. Graham. 2,595,352, May 6.
Bearing: *See*—
Rock bit radial bearing.
Bearing. V. E. Palumbo. 2,595,482, May 6.
Bearing and lubrication thereof. L. A. Paradise. 2,595,601, May 6.

Bed cover support. F. W. Coffing and G. H. Brown. 2,595,449, May 6.
Belt with garment holding clamps. C. K. Seid. 2,595,893, May 6.
Benzanthrone free from anthraquinone impurities, Producing. M. H. Fleysher and F. L. Sievenpiper. 2,595,348, May 6.
Benzhydryl ethers of tropines and their production. R. F. Phillips. 2,595,405, May 6.
Benzothiazolesulfonamides and preparing the same. J. W. Clapp and R. O. Roblin, Jr. 2,595,334, May 6.
Bit: *See*—
Tricone rock bit.
Blade dispensing magazine. C. L. Metzler. 2,595,280, May 6.
Bobby pin dispenser and hair curler. A. Filak. 2,596,017, May 6.
Boiler having removable smoke box closure, Fire tube. L. J. Henc. 2,595,523, May 6.
Bottleholder. K. M. Connor and C. W. Bogan. 2,596,009, May 6.
Box: *See*—
Metal box.
Box strapping tool. L. D. Rich. 2,595,886, May 6.
Brake construction, Disk. H. T. Lambert and C. R. Myers. 2,595,860, May 6.
Brake construction, Double disk hydraulic. H. T. Lambert and C. R. Myers. 2,595,859, May 6.
Brake pipe vent control. S. Keller. 2,595,466, May 6.
Brick pack. C. R. Friesner. 2,596,071, May 6.
Bridge circuit. J. T. Bailey. 2,595,626, May 6.
Bucket elevator and feed means therefor. H. H. Talboys. 2,595,312, May 6.
Building foundation. N. S. Black. 2,595,633, May 6.
Bull lead with quick release. D. O. Wendt. 2,595,432, May 6.
Bunion and foot corrective means. M. B. Mayer. 2,596,038, May 6.
Burner: *See*—
Gas burner. Liquid fuel burner.
Butt welding glass members, Method and apparatus for. R. A. Wolf. 2,595,555, May 6.
Cabinet: *See*—
Toilet bowl brush cabinet.
Cable spacer. O. F. Kinsel. 2,595,857, May 6.
Camera, Document photographing. C. F. Wolters. 2,595,741, May 6.
Capmaking machine. R. Sonnenberg. 2,596,050, May 6.
Car: *See*—
Insulated tank car. Railway car.
Carbonization of carbonizable solids. W. W. Odell and G. L. Matheson. 2,595,365, May 6.
Carburetor. C. R. Snyder. 2,595,719–21, May 6.
Card holding folder and in attaching means for the same. R. Hirschfelder. 2,595,945, May 6.
Carton. D. Lavkoff. 2,595,678, May 6.
Case: *See*—
Fishing rod case. Lipstick case.
Casemaker, P. Bunch, P. Nittome, and R. Jennings. 2,596,068, May 6.
Catalysts, Preparing. R. L. Daussat and C. T. Steele. 2,595,772, May 6.
Cellulose esters, Modified. G. A. Richter, Jr. 2,595,410, May 6.
Cement concrete portable tank structure. H. L. Carlson. 2,595,923, May 6.
Center punch. P. S. H. Flemming. 2,595,347, May 6.
Centrifugal actuator. C. H. Dederick. 2,595,930, May 6.
Centrifugal switch. W. Z. West, Jr., and M. F. Gamble. 2,595,621, May 6.
Chair: *See*—
Mechanical chair. Reclining chair.
Chair and seat, Adjustable. J. W. Greenless. 2,595,354, May 6.
Chair conatruction, Adjustable. R. H. Sperring. 2,595,901, May 6.
Chair having spring supported pivoted seat and back rest. A. C. Hoven, W. E. Nordmark, and D. S. Huhta. 2,595,582, May 6.
Chart, Artillery fire control. E. L. Sawyer. 2,595,303, May 6.
Check protector. R. H. Waller. 2,596,059, May 6.
Child's convertible vehicle. R. G. Gellenbeck. 2,595,839, May 6.
Chlorinated camphene-oil insecticidal compositions and making. T. Parr and M. Zakheim. 2,595,217, May 6.
Circuit: *See*—
Bridge circuit. Photomultiplier coincidence circuit.
High-frequency resonant circuit. Signal responsive circuit.
Null voltage indicating circuit. Sweep circuit.
Circuit for cathode-ray oscilloscopes, Control. P. W. Crist. 2,595,228, May 6.
Circuit for dielectric heating apparatus, Variable capacity. L. C. Aicher and F. J. Vogel. 2,595,502, May 6.
Clamp: *See*—
Beam clamp.
Clasp. L. P. Knowlton. 2,595,391, May 6.
Cleaning equipment, Sanitary. E. B. Young. 2,595,743, May 6.
Clearance pocket type compressor piston. W. R. Barrett. 2,596,004, May 6.
Climbing attachment for skis. E. Lapointe. 2,595,586, May 6.
Clip: *See*—
Pen clip.
Clock, Perpetual calendar. G. Kollner. 2,595,467, May 6.
Clod crusher. R. R. Quilien. 2,595,812, May 6.
Closure. N. F. Otaño. 2,595,877, May 6.
Clothes drying rack. R. N. Hanson. 2,595,521, May 6.
Clothes hanger. J. F. Barnes. 2,595,442, May 6.
Clothesline. G. H. Sebade. 2,595,817, May 6.
Clutch: *See*—
Radially movable piston type clutch.
Clutch tripping mechanism. T. H. Seely. 2,595,418, May 6.
Coal cutting and loading machine. H. G. Lewis. 2,595,398, May 6.
Coaster. R. M. Layne. 2,595,961, May 6.
Coated abrasive article and making the same. F. J. Tone and H. C. Martin. 2,595,733, May 6.
Cogelation of silica and alumina sols at pH 3.5–6.5. M. Den Herder and L. Heard. 2,595,339, May 6.
Coin separator for fare boxes. S. Siernos. 2,595,713, May 6.
Colander for extracting juices and the like, Kitchen. C. Konrath. 2,595,469, May 6.
Collet. J. R. Cox. 2,595,828, May 6.
Color television by multielement glow lamp screen. P. M. G. Toulon. 2,595,617, May 6.
Colostomy apparatus. N. Ginsburg. 2,595,934, May 6.
Combination lock. M. E. Julliard. 2,595,267, May 6.
Composite backing for mirrors. L. D. McGraw, C. L. Faust, and E. R. Mueller. 2,595,800, May 6.
Composition comprising diethyl phosphite and a copolymer of acrylonitrile. G. E. Ham. 2,595,847, May 6.
Compositions containing polyvinyl acetate and alkyl-substituted urea. W. G. Kunze and R. B. Evans. 2,595,796, May 6.
Compositions for combatting tuberculosis. H. H. Fox. 2,596,069, May 6.
Compressor, Valved piston. S. F. Walker. 2,595,738, May 6.
Concentric type valve. B. L. Schwaller. 2,595,986, May 6.
Condenser: *See*—
Evaporative condenser.
Connector: *See*—
Adjustable shaft connector.
Constant resistance pseudohybrid channel branching microwave filters. W. D. Lewis. 2,595,680, May 6.
Container: *See*—
Edible material container. Heat-transfer container.
Container feeding and cover applying apparatus. G. Hammond. 2,595,849, May 6.
Container perforator. L. E. Fuller. 2,595,653, May 6.
Control means for high-frequency power oscillators. R. J. Bondley and H. W. Lord. 2,595,756, May 6.
Control mechanism for automobile windows and the like. H. L. Hill. 2,595,580, May 6.
Control of textile fibers during drafting operations. W. F. Bird. 2,595,918, May 6.
Control system. E. T. Davis. 2,595,644, May 6.
Converting a potassium salt of a highly nitrated secondary aromatic amine to free amine and potassium nitrate. J. H. Dijkema and J. Pluim. 2,595,568, May 6.
Conveyer, Cable-mounted flight. H. W. Hapman. 2,595,941, May 6.
Conveyer, Endless bucket. F. G. Mitchell. 2,595,689, May 6.
Conveyer feeding device. J. B. Caldwell, A. A. Ginsberg, and S. W. Wolf. 2,595,762, May 6.
Conveyer flight. D. A. Price, Sr. 2,595,703, May 6.
Conveyer having dust separating and removal means. L. T. Cookson. 2,595,226, May 6.
Cooked cured meats, Preparing. G. E. Brissey. 2,596,067, May 6.
Cooling concrete mixture components, Method and apparatus for. E. Bertsch. 2,595,631, May 6.
Coordinated clutch and brake control for vehicle driving mechanism. H. M. Stueland. 2,596,053, May 6.
Copolymers, Dyeable. G. E. Ham. 2,595,848, May 6.
Copolymers of halogenated unsaturated polycarboxylic acids and polyunsaturated compounds. J. R. Dudley. 2,595,779, May 6.
Copolymers of polyesters and conjugated dienes. R. J. Agnew. 2,595,625, May 6.
Corrosion resisting safety valve. O. W. Greene. 2,595,671, May 6.
Corsage frame. C. N. Harris. 2,595,577, May 6.
Cosmetic applicator. C. H. Braselton. 2,595,635, May 6.
Coupled cavity resonator. J. B. Fisk. 2,595,652, May 6.
Coupling: *See*—
Flexible coupling. Overload release coupling.
Hose coupling.
Coupling for rotating shafts. W. Cureton. 2,595,513, May 6.
Cover for hearing aids, Ornamental. D. E. Greenwood. 2,595,672, May 6.
Crane boom assembly. R. C. Shoemaker. 2,595,896, May 6.
Crane, Tractor mounted. R. C. Shoemaker. 2,595,897, May 6.
Crankshaft. J. P. Butterfield. 2,595,761, May 6.
Crop baler with means for grooving bales formed thereby. H. E. Altgelt. 2,595,503, May 6.

Crystallization process. B. W. Low. 2,595,679, May 6.
Cuff clamp mechanism for sleeve presses. E. Davis and E. A. Winnewisser. 2,595,514, May 6.
Curler, Hair. E. M. Graham. 2,595,844, May 6.
Curler, Hair. R. M. Keefe. 2,595,362, May 6.
Curved platen printing press. C. F. Root. 2,595,413, May 6.
Cutting chain for saws. A. B. Reid. 2,595,884, May 6.
Cutting tool. C. H. Zimmerman. 2,595,500, May 6.
Cutting unit for mining machines. J. C. Buttrick. 2,595,565, May 6.
Cyclopolysiloxanes. R. O. Sauer. 2,595,891, May 6.
Degreasing machine. O. J. Bratz. 2,595,920, May 6.
Dehydration of organic fluids. E. A. Rodman. 2,595,544, May 6.
Dehydrator structure. E. W. Bottum. 2,595,445, May 6.
Demounting arrangement for tractor mounted equipment. R. W. Lowry. 2,595,864, May 6.
Dental appliance. H. H. Hicks. 2,595,850, May 6.
Device for chanigng the transverse arrangement of crosswise contiguous portions of ribbonlike materials. E. H. Jackson, Jr. 2,595,855, May 6.
Device for cutting sheet material. J. R. Morris. 2,595,402, May 6.
Device for disinfecting telephone mouthpieces. A. Finlayson and W. R. Smith. 2,595,517, May 6.
Device for facilitating the balancing and testing the balance of grinding wheels. J. F. Driver. 2,595,777, May 6.
Device for forming articles from plastic sheet or web materials. A. Appleton and R. A. Collinge. 2,595,560, May 6.
Device for holding a package or the like when tying cord around it. A. F. Emrich. 2,595,235, May 6.
Device for stabilizing and homogenizing liquid mixtures. S. H. B. Zachariassén. 2,595,376, May 6.
Device for testing electrical circuits. H. C. Grant, Jr., and A. W. Uhl. 2,595,246, May 6.
Device for ultrahigh frequencies. D. Zaayer. 2,596,002, May 6.
Device for vibration testing. J. Severs. 2,596,048, May 6.
Diesel fuel. J. B. Hinkamp and R. Sugimoto. 2,595,789, May 6.
Diphenylamine dyestuffs. C. E. Hieserman. 2,595,359, May 6.
Dishwasher or the like. C. Hollerith. 2,595,659–60, May 6.
Disintegrating conglomerates of polymer particles. W. L. J. de Nie and R. H. M. Meijer. 2,595,831, May 6.
Disk harrow. C. H. White. 2,595,554, May 6.
Dispenser for sliced bread. F. P. Palmos. 2,595,481, May 6.
Dispensing unit for slot insulation material. W. F. and H. Weirich. 2,595,375, May 6.
Display device. G. A. and R. B. Bishop and C. E. Jones. 2,596,064, May 6.
Display device. L. S. Naurison. 2,595,972, May 6.
Distillation of carbonaceous solids. G. D. Creelman. 2,595,338, May 6.
Dithiophosphate esters as insecticides. E. O. Hook and P. H. Moss. 2,596,076, May 6.
Door construction. J. Nothdurft. 2,595,975, May 6.
Door controller. T. B. Ramsey and E. S. Gray. 2,595,291, May 6.
Door jamb, Adjustable. J. W. Backman. 2,595,506, May 6.
Door latch. D. Acocello. 2,596,003, May 6.
Doughnut forming machine. J. C. Lunsford. 2,595,865, May 6.
Doughnut machine. J. C. Lunsford. 2,595,866, May 6.
Drape separating hanger. L. L. Ringler. 2,595,887, May 6.
Drier and disintegrator, Rotary. A. K. Brown. 2,595,509, May 6.
Drier and sterilizer. B. O. Goodin. 2,595,242, May 6.
Drill: *See*—
Mining drill.
Drill head. J. Moon. 2,595,401, May 6.
Drink mixer agitator. F. C. Schwaneke. 2,595,985, May 6.
Drive axle mounting for swinging and rocking motion. F. P. Martin. 2,595,594, May 6.
Drop door mechanism, Automatic. G. D. Fraunfelder. 2,595,836, May 6.
Dump valve. G. C. Parsons. 2,595,603, May 6.
Dust gun. M. M. Darley. 2,596,011, May 6.
Dynamoelectric machine. K. H. Fox. 2,595,349, May 6.
Earphone and operative subassembly therefor, Insert. D. E. Rutter, H. B. Shaper, and W. J. Brown. 2,595,489, May 6.
Edible material container. P. A. Shoudy. 2,596,087, May 6.
Elastic hydrocarbon-substituted polysiloxanes and ammonium carbonate as catalyst. W. J. Wormuth. 2,596,085, May 6.
Electric fixture for elongated tubular lamps. T. Curzon. 2,595,771, May 6.
Electric shaver light. L. L. Perry. 2,595,287, May 6.
Electric switch. A. E. Felton and F. H. Price. 2,595,569, May 6.
Electric switch control station. C. A. Schaefer. 2,595,414, May 6.
Electrical energy measuring apparatus. D. R. Stewart. 2,595,373, May 6.
Electrical oxidation of araikyl hydrocarbon. W. J. Cotton. 2,595,227, May 6.
Electrical preformed floor duct. A. M. Geist and R. R. Winders. 2,595,452, May 6.
Electrical relay and solenoid mechanism. J. F. O'Brien and J. B. Cataldo. 2,595,285, May 6.
Electrode support for semiconductor devices. K. M. McLaughlin. 2,595,475, May 6.
Electrolytically recovering nickel. B. M. S. Kalling, R. S. M. Sundgren-Wallidén, S. J. Wallidén, and K. A. Sivander. 2,595,387, May 6.
Electromagnet. A. W. Bedford, Jr. 2,595,755, May 6.
Electromagnet. H. Schaaf. 2,595,547, May 6.
Electron discharge device. R. R. Law. 2,595,677, May 6.
Electron discharge device and associated circuit. R. W. Peter. 2,595,698, May 6.
Electronic counter. W. A. Geohegan. 2,595,519, May 6.
Electronic multiplex to start-stop extensor. R. D. Slayton. 2,595,714, May 6.
Electronic synchronization system. T. A. Hansen. 2,595,656, May 6.
Electronic television shutter. R. W. Lee and L. L. Pourciau. 2,595,397, May 6.
Ellipsograph with guide. W. W. Scott. 2,595,417, May 6.
Engine: *See*—
Internal-combustion engine. Two-cycle engine.
Engine starter gearing. D. L. Miller. 2,595,802, May 6.
Engine starting and propeller blade pitch adjusting apparatus. L. C. Dermond. 2,595,231, May 6.
Equalizer winding for five-legged three-phase cores. K. D. Beardsley. 2,595,753, May 6.
Esters of polyhydroxy-benzoic acids and their preparation. W. C. Ault, G. C. Nutting, and J. K. Weil. 2,595,221, May 6.
Evaporative condenser. A. Lee and E. Lieberman. 2,595,589, May 6.
Expediting the drilling of wells, Method of and apparatus for. J. I. Sloan. 2,595,715, May 6.
Explosive device. R. W. Lawrence. 2,595,960, May 6.
Extractive distillation of close-boiling alcohols having partial immiscibility with water. C. E. Morrell, N. C. Robertson, and C. S. Carlson. 2,595,805, May 6.
Extruder. E. E. Heston. 2,595,455, May 6.
Fabric weaving with groups of elastic and relatively inelastic warps. M. E. Duckoff. 2,595,778, May 6.
Fan and compressor, Axial flow. G. A. Dean. 2,595,829, May 6.
Fan, Flashlight. J. E. Popovich. 2,595,406, May 6.
Fastening device for straps and the like. A. T. Jespersen. 2,595,264, May 6.
Faucet. G. E. Franck and J. H. Zales. 2,595,350, May 6.
Faucet. S. M. Kass. 2,595,856, May 6.
Feed mechanism and control system for bar feeds for screw machines. B. C. Harney. 2,595,522, May 6.
Feeder: *See*—
Poultry feeder. Slow speed glass feeder.
Feeding device for rivets or similar articles. M. S. Springate. 2,595,551, May 6.
Feeding means for variable width edge jointers. M. Pasquier. 2,595,879, May 6.
Feeler mechanism for looms. G. M. Lane. 2,595,958, May 6.
Filler pad for ground working tools. W. T. Graham. 2,595,353, May 6.
Filling and packing containers, Method of and apparatus for. F. B. Fishburne, C. H. Hinnant, Jr., and T. A. Ricks. 2,596,018, May 6.
Filling containers, Method and apparatus for. R. S. Hood. 2,595,262, May 6.
Film developing reel. F. M. Siedenburg. 2,595,898, May 6.
Film reeling apparatus. B. and S. Rose. 2,595,545, May 6.
Filmstrip transporting mechanism. F. J. Perillo and D. Pollan. 2,595,978, May 6.
Filter. E. W. Bally. 2,595,913, May 6.
Filter. R. D. Wiley. 2,595,740, May 6.
Fireplace damper. A. P. Robinson. 2,595,543, May 6.
Fire tool. R. M. Shearer and P. R. Adams. 2,595,712, May 6.
Fishline leader holder. J. Kamps. 2,595,463, May 6.
Fishmouth holding tool. H. H. Smeltz. 2,595,989, May 6.
Fishing rod case. J. G. Davian. 2,595,230, May 6.
Fission indicator. C. E. Wiegand. 2,595,622, May 6.
Flash lamp ejector socket assembly. L. A. Wilkinson. 2,595,318, May 6.
Flexible coupling. H. H. Langdon. 2,595,393, May 6.
Flexible insert for forming recesses in walls and the like. R. M. James. 2,596,028, May 6.
Flexible pipe. A. E. Quest. 2,595,408, May 6.
Flight control apparatus for aircraft. J. M. Slater. 2,595,309, May 6.
Float marker. J. E. Lawson. 2,595,531, May 6.
Flocculating system. F. E. Stuart. 2,596,082, May 6.
Fluid flowmeter. J. Johnston and J. C. Vanier. 2,595,385, May 6.
Fluid ingress location in wells. R. E. Hartline and R. P. Murphy. 2,595,578, May 6.
Fluid ingress location in wells. D. Silverman and R. E. Hartline. 2,595,610, May 6.
Fluid motor operated toy vehicle. G. Weiss. 2,596,000, May 6.

Fluorescent lamp retainer. L. C. Doane. 2,595,515, May 6.
Fluorinated compounds and producing same. P. E. Welmer. 2,596,084, May 6.
Focusing device. J. Von Berg and W. Volk. 2,595,495, May 6.
Folding lunch box table. P. K. Raasch. 2,595,883, May 6.
Footrest, Automobile. R. F. Kaeintz. 2,595,526, May 6.
Form disjointer. C. E. Morris. 2,595,807, May 6.
Frame: *See*—
Corsage frame. Razor blade holder frame.
Frozen meat packages, Preparing. C. K. Wiesman, G. H. Whetzell, and G. T. Schjeldahl. 2,595,498, May 6.
Fuel gas from carbonaceous solid fuels, Production of. D. Eastman. 2,595,234, May 6.
Fuel injection apparatus. T. S. Chmura and G. B. Wood, Jr. 2,595,639, May 6.
Furfuryl urea-formaldehyde thermosetting resins, Production of. J. K. Simons. 2,595,492, May 6.
Furnace: *See*—
Heat-treating furnace.
Fuse. E. W. Brandt. 2,595,757, May 6.
Fuse. J. S. Messer and D. L. Davis. 2,595,688, May 6.
Galvanometer, Liquid damped. J. L. Fisher. 2,596,019, May 6.
Game apparatus, Disk. H. E. Gillespie. 2,595,669, May 6.
Garden tractor tiller transmission. A. C. Howard. 2,595,854, May 6.
Garment hanger. E. F. Wyatt. 2,596,001, May 6.
Garment, Sanitary. N. S. Beck. 2,595,507, May 6.
Gas burner. C. A. Weseman. 2,595,739, May 6.
Gasholder. H. C. Brinkman and K. R. Weber. 2,596,066, May 6.
Gas valve assembly for oil wells. L. O. Wharton, Jr. 2,595,824, May 6.
Gaseous discharge device. C. G. Smith. 2,595,716, May 6.
Gauge: *See*—
Adjustable and retractable internal thread gauge. Ionization gauge.
Gauge for sheet feeders, Side. F. R. Belluche. 2,595,630, May 6.
Gauge with contact pressure indicator, Micrometric thickness. A. D. Neal, H. D. Peet, and G. J. Dell. 2,595,477, May 6.
Gear: *See*—
Traveling coil lifting gear.
Generating helical grooves, Method and apparatus for. J. Jabour. 2,595,460, May 6.
Generator: *See*—
Signal generator.
Television test signal generator.
Generator for gas turbine power plants, Free piston type combustion products. R. Lee. 2,595,396, May 6.
Generator for multiple lens grinding, Equatorial. A. J. Holman. 2,595,360, May 6.
Generator, turbine, and compressor, Coaxial combustion products. C. F. Bachle. 2,595,505, May 6.
Germanium pellets, Producing. W. C. Dunlap, Jr. 2,595,780, May 6.
Glass cutting device. E. J. Lavander. 2,595,862, May 6.
Glass setting device. B. H. Chapin. 2,595,927, May 6.
Golf club holder. D. E. Shears. 2,595,987, May 6.
Governing mechanism for engine-driven compressors. A. H. Repscha and H. Fox. 2,595,369, May 6.
Grass catcher for lawn mowers. P. J. Smola. 2,595,420, May 6.
Grid seal for fluidized solids contacting systems. J. H. Johnsen and N. H. Snyder, Jr. 2,595,384, May 6.
Hair band. B. L. Harmon. 2,595,657, May 6.
Hair curling device. W. H. H. Davis and F. V. Schleimer. 2,595,645, May 6.
Hair dresser's guide. R. Budd. 2,595,564, May 6.
Hammer-mill bed plate and teeth therefor. W. M. Perry. 2,595,810, May 6.
Hand notching tool. L. P. Glick and F. E. Norman. 2,595,841, May 6.
Hand sander. C. D. Trussell. 2,595,429, May 6.
Handle: *See*—
Telescoping handle.
Hanger: *See*—
Clothes hanger. Garment hanger.
Drape separating hanger.
Hanger. R. B. Tallman. 2,596,054, May 6.
Hanger and clamp for supporting electrical conductors, Combination. A. H. Genter. 2,596,022, May 6.
Hard rock drill head. O. A. Letts. 2,595,962, May 6.
Hardening bauxite with calcium sulfate. H. Heinemann. 2,595,943, May 6.
Harvester, Beet. J. A. Diethelm. 2,595,340, May 6.
Hat stacking device. M. B. Sorensen. 2,595,722, May 6.
Heat exchanger. S. C. Collins. 2,596,008, May 6.
Heat exchanger. L. U. Larkin. 2,595,472, May 6.
Heat exchanger, Gas-to-gas. C. S. Simpelaar. 2,595,308, May 8.
Heat exchanger made from punched plates. W. W. Austin. 2,595,440, May 6.
Heat exchanger, Pin fin. S. Holm and A. Jensen. 2,595,457, May 6.
Heat-set inks comprising polyvinyl terpene ethers. W. S. Ropp. 2,595,983, May 6.
Heat-transfer container. C. T. Bowen. 2,595,328, May 6.
Heat-treating furnace. N. W. Huckestein. 2,596,027, May 6.
Heater: *See*—
Orchard heater.
Heating apparatus. G. E. Andrews. 2,595,748, May 6.
High-frequency resonant circuit. A. E. Chelgren. 2,595,764, May 6.
Hinged fins for providing directional control and stability in tailless airplanes. J. G. Lee. 2,595,363, May 6.
Holder: *See*—
Angle computer and work holder. Fishline leader holder.
Golf club holder.
Holder for books. C. H. Lipa. 2,595,682, May 6.
Holder for fusees and the like. P. H. Griffith. 2,595,939, May 6.
Holding means for operating lever arms of door fasteners. S. B. Haseltine. 2,595,357, May 6.
Homogeneous sulfuric acid gel. H. H. Roth. 2,596,046, May 6.
Hook: *See*—
Releasing type hook. Resilient snap hook.
Horsepower indicator. T. B. Thomson and H. A. Curtis. 2,595,425, May 6.
Hose coupling. E. H. Fletcher and L. D. Ethington. 2,596,020, May 6.
Hose coupling. J. Soos. 2,595,900, May 6.
Hose reel. C. B. Hannay. 2,595,655, May 6.
Hot-gas engine with displacer cap safety venting means. F. L. van Weenen. 2,596,058, May 6.
Hot-gas piston apparatus having cylinder means and axially arranged piston bodies, heat exchangers, and regenerator therein. W. H. Stigter. 2,596,051, May 6.
Hot-gas valve. F. M. MacDougall. 2,596,036, May 6.
Hub cap clip and mounting. W. A. Mulhern. 2,595,873, May 6.
Hydraulic electromagnetic well fishing tool. A. E. and J. A. Bivings and P. H. Dunnam. 2,595,632, May 6.
Hydraulic pressure integrating device. D. W. Keef. 2,596,032, May 6.
Hydraulic system for power-operated hatch covers. E. M. Greer and J. Mercier. 2,595,248, May 6.
Hydraulic valve operating system. S. de Wrangell. 2,595,775, May 6.
Hydrocarbons from a granular solid reactant, Production of. C. H. Holder. 2,595,255, May 6.
Hydrogenation of halogenosilanes. G. H. Wagner and C. E. Erickson. 2,595,620, May 6.
Hydroxyalkyl derivatives of 6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. V. Papesch. 2,596,041, May 6.
Ice-making machine and method. A. Lee and E. Lieberman. 2,595,588, May 6.
Ice, Manufacture of. L. L. McCoy. 2,595,968, May 6.
Impedance measuring apparatus. E. T. Jaynes. 2,595,675, May 6.
Implement frame lift, Level maintaining. E. Peterson. 2,595,289, May 6.
Indicator: *See*—
Attitude indicator. Horsepower indicator.
Fission indicator.
Infant milk bottle and food warmer. R. E. Mallory. 2,595,685, May 6.
Inflation valve. F. B. Allen. 2,595,218, May 6.
Initiating device for suspended explosive charges. W. G Sweetman. 2,595,615, May 6.
Insect repellent ointment comprising hydrogenated rotenone and 2-amino-2 methyl-1,3-propanediol. R. W. Scanlan and H. R. Cunningham. 2,595,371, May 6.
Insert fitting. E. E. Rosecrans, Sr. 2,595,705, May 6.
Insole having separate attached sewing ribs. V. A. Sherbrook. 2,595,894, May 6.
Insoles having attached tape ribs, Making. V. A. Sherbrook. 2,595,895, May 6.
Instrument, Boiler efficiency. R. D. Junkins. 2,596,030, May 6.
Instrument, Draftsman's and mechanic's. F. P. Hopfeld. 2,595,458, May 6.
Instrument, Musical. A. C. Hugin. 2,595,381–2, May 6.
Instrument panel. E. A. Neugass. 2,595,973, May 6.
Instrument providing a vertical reference for dirigible craft. S. Kellogg, 2nd. 2,595,268, May 6.
Instrument, Reed operated musical. C. E. Wetzler. 2,595,316, May 6.
Insulated tank car. C. H. Folmsbee. 2,595,835, May 6.
Insulation arrangement for combination refrigerators. H. A. Nason. 2,595,874, May 6.
Insulin from pancreas glands, Preparation of. L. C. Maxwell and W. P. Hinkel. 2,595,278, May 6.
Internal-combustion engine. E. M. Barber. 2,595,914–15, May 6.
Interval timer switch. M. Zuckerman. 2,595,624, May 6.
Invalid handling apparatus. S. R. Feist. 2,595,651, May 6.
Ion exchange reactor. A. C. Barnebl and W. J. Riker. 2,595,627, May 6.
Ionization chamber. J. R. Raper and R. E. Zirkle. 2,596,080, May 6.
Ionization gauge. K. M. Simpson, W. R. Baker and Q. A. Kerns. 2,595,611, May 6.
Iron for use in the manufacture of cast iron products, Production of. H. A. Reece. 2,595,294, May 6.
Jar type well packer. C. C. Brow and J. R. Bass. 2,595,563, May 6.

Jaw crusher, Two-stage. E. H. Anderson. 2,595,219, May 6.
Jet pump. R. Von Rotz. 2,595,737, May 6.
Joint: *See*—
Universal joint.
Key holder having visual perceptible key indicating means. W. W. and M. E. Prickett. 2,595,981, May 6.
Kiln for ceramic ware. B. J. Moore. 2,295,804, May 6.
Knife, Skinning. J. J. Prohaska. 2,596,078–9, May 6.
Knitting machine for stockings and the like, Circular. C. Camnasio, G. A. Venturelli and G. Colalupo. 2,595,922, May 6.
Laboratory demonstration apparatus. F. E. Lambert, Jr. 2,596,034, May 6.
Laboratory device for determining melting points. N. A. Kajola. 2,595,386, May 6.
Lamp shade adjustably mounted directly on an elongated tube. J. C. Long. 2,595,275, May 6.
Lamp shade providing a display of blending colors. Ornamental. M. C. Thorstensen. 2,595,732, May 6.
Lamp socket mounting and fastener therefor. G. A. Tinnerman. 2,596,056, May 6.
Lamp socket supporting means. G. J. Thomas. 2,595,994, May 6.
Lasting machine. C. M. Bagshaw and H. Lane. 2,595,323, May 6.
Latch: *See*—
Automobile door latch. Door latch.
Latching device for lockers. J. B. O'Connor. 2,595,473, May 6.
Laundry apparatus. C. C. Scheele. 2,595,609, May 6.
Level winding mechanism. C. F. Jones. 2,595,584, May 6.
Light: *See*—
Electric shaver light.
Light diffusing surface made out of electrooptical elements controlled electrostatically. P. M. G. Toulon. 2,595,616, May 6.
Light having oscillatable lamp units, Warning and signaling. A. C. Heehler and T. E. McDowell. 2,595,253, May 6.
Light sensitive positive printing diazotype paper having a calendered surface. W. H. G. Bartels. 2,595,916, May 6.
Lighter, Stove. D. King and E. W. Norton. 2,595,390, May 6.
Lighting device. E. E. Hunter. 2,595,664, May 6.
Lighting device, Enclosed fluorescent. J. J. Guerin. 2,595,520, May 6.
Lighting fixture, Fluorescent. R. M. Runge and S. R. Naysmith. 2,595,487–8, May 6.
Line pulse modulator. I. Sager. 2,595,301, May 6.
Linear methyl siloxanes having hydrogen directly linked to silicon. R. O. Sauer. 2,595,890, May 6.
Lipstick case. H. Neuschaefer. 2,595,403, May 6.
Liquid extracting apparatus. O. F. Slaby and L. K. Mills. 2,595,493, May 6.
Liquid fuel burner. J. S. and A. E. Clarke, and N. P. Coupe. 2,595,765, May 6.
Liquid injector for internal-combustion engines. W. W. Cushman. 2,595,379, May 6.
Liquid level control means. J. Temperley. 2,595,731, May 6.
Loading and unloading unit for lift trucks. G. E. Adams. 2,595,320, May 6.
Loading equipment for vehicle carrying trailers. E. Mullen and J. Boyko. 2,595,533, May 6.
Lock: *See*—
Combination lock.
Lock for rings of mechanical binders, End. C. D. Trussell. 2,595,427, May 6.
Lubricating composition. H. J. Worth, W. H. Page and J. F. Cook. 2,595,557, May 6.
Lubricating compositions and preparation. H. J. Worth. 2,595,556, May 6.
Lubricating oil additives. W. H. Smyers and D. W. Young. 2,595,819, May 6.
Luggage or like handle of reinforced and cushioned construction. L. Stein. 2,595,724, May 6.
Luminous signs, Making. D. M. McGill. 2,595,970, May 6.
m-Allyl-oxy-phenyl-isothiocyanate. H. Spiegelberg and G. Rey-Bellet. 2,595,723, May 6.
Machine for making mechanical drawings. A. A. Goerz. 2,595,842, May 6.
Machine for measuring, cutting, and rolling linoleum. A. C. Manning. 2,595,593, May 6.
Machine for separating membranes of animal intestines. A. H. Castelow. 2,595,638, May 6.
Machine for use in cutting and filling cakes and the like. W. E. Egerton and S. Charlton. 2,595,344, May 6.
Magnesium hydroxide, Producing. A. W. Vettel and R. D. Israel. 2,595,314, May 6.
Magnet operated switch. H. Cooley. 2,595,769, May 6.
Magnetic core. G. G. Somerville. 2,595,820, May 6.
Magnetic power device. W. L. Morrison, Jr. 2,595,872, May 6.
Malleable iron castings, Producing. L. C. Crome. 2,595,567, May 6.
Manicuring implement. A. Rinehart. 2,595,704, May 6.
Manufacture of carbureted water gas, Method of and apparatus for. J. S. Haug. 2,595,252, May 6.
Mattress handle assembly. M. Bechik. 2,595,326, May 6.
Mattress, Sleeping. J. P. Holt. 2,595,946, May 6.
Measuring electrical impedances, Method and apparatus for. M. J. Relis. 2,595,297, May 6.
Measuring the cross sectional area of well bores by supersonic waves, Method and apparatus for. R. W. Goble. 2,595,241, May 6.
Mechanical chair. A. Kost. 2,595,272, May 6.
Medical practice chair with back rest locking means. N. E. Lauterbach. 2,595,394, May 6.
Metal box. H. M. Piker. 2,596,042, May 6.
Metal concrete column form, Sectional. L. M. Otte and J. R. Merica. 2,595,286, May 6.
Meter damping magnet structure. J. H. Goss, L. I. Mendelsohn and H. A. Bakke. 2,595,244, May 6.
Method and apparatus for processes employing fluent solids. C. L. Caldwell. 2,595,224, May 6.
Method for use in the preservation of eggs. A. Napper. 2,595,808, May 6.
Micromanipulator. J. Monchablon. 2,595,282, May 6.
Military burner unit, Portable. J. L. Breese. 2,595,448, May 6.
Mill: *See*—
Rolling mill.
Mining drill. E. J. Huckshold. 2,595,525, May 6.
Miter guide for power saws. B. B. Avery. 2,595,322, May 6.
Mixer: *See*—
Refrigerated dough mixer.
Model airplane flight control. W. G. Eppler. 2,595,650, May 6.
Modified forms of alumina, Production of. L. Schmerling. 2,595,416, May 6.
Molding insulating material. L. C. Aicher. 2,595,501, May 6.
Molding machine. G. J. Van Amersfort. 2,595,996, May 6.
Molding powders from urea and gaseous formaldehyde. R. T. K. Cornwell. 2,595,335, May 6.
Monochloroacetic acid, Preparation of. J. A. Sonia and C. E. Lisman. 2,595,899, May 6.
Monochromator with slit reflecting mirrors in collimated light beams. S. Rosin. 2,595,706, May 6.
Mop demonstrator. M. J. and A. M. Howells. 2,596,026, May 6.
Motor: *See*—
Self-starting direct-current motor. Vibrator motor.
Motor-driven installations, Electric. A. E. R. Arnot. 2,595,749, May 6.
Motor vehicle trailer hitch. S. Schwork. 2,595,711, May 6.
Mounting: *See*—
Adjustable automotive mirror mounting.
Mounting apparatus for loud-speakers and the like. K. H. Becker. 2,595,562, May 6.
Mounting for driving units on motor-boats. A. G. Loofbourrow. 2,595,863, May 6.
Mounting lenses. A. Butler. 2,595,760, May 6.
Mouth washer. E. W. Schweikert. 2,595,491, May 6.
Multiple chine boat hull. A. A. Steele. 2,595,422, May 6.
Multiple mottler. P. Pastoret. 2,595,536, May 6.
Multiple rotor helicopter control. J. S. Neale. 2,595,875, May 6.
N-(dialkylaminoalkyl)phenthiazine theophylline acetates and preparing the same. R. J. Horclois. 2,595,853, May 6.
N-methyl-N-cinnamyl-2-phenylpropylamine. R. S. Shelton. 2,595,372, May 6.
N-organolead-2,3-dihydrophthalazine-1,4-diones. W. B. Ligett, R. D. Closson, and C. N. Wolf. 2,595,798, May 6.
Neck duster for individual customer use, Throwaway. W. E. Downey. 2,595 776, May 6.
Needle. C. E. Brown and H. M. Smith. 2,595,758, May 6.
Needle tufting machine, Multiple. W. W. Hamby. 2,595,355, May 6.
Nozzle for spraying viscous liquids, Atomizing. B. O. Buckland and D. C. Berkey. 2,595,759, May 6.
Nozzle, Liquid measuring. H. C. Purrier. 2,595,407, May 6.
Nozzle, Spray. J. L. Winks and L. Fletcher. 2,595,826, May 6.
Null voltage indicating circuit. L. H. Bedford, J. Bell, and E. M. Langham. 2,595,754, May 6.
Observing and controlling the process of a continuous Bessemer process, J. F. Jordan. 2,595,792, May 6.
Oil supply for hydraulic tappets. C. E. Johnson. 2,595,583, May 6.
Oiler for car wheels, Automatic flange. H. O. Murphree. 2,595,692, May 6.
Opener, Cigarette carton. M. Salzano. 2,595,815, May 6.
Optical system and illuminated reticle for reflex cameras. F. G. Back. 2,595,750, May 6.
Orchard heater. R. B. Davis. 2,595,773, May 6.
Organ chime control. F. M. Schmidt. 2,595,816, May 6.

Organic backing. L. D. McGraw, C. L. Faust, and E. R. Mueller. 2,595,867, May 6.
Organosilicon compounds and conductors insulated therewith. J. Swiss and C. E. Arntzen. 2,595,729, May 6.
Organosiloxanes containing allyl radicals and heat-treated products. J. Swiss and C. E. Arntzen. 2,595,730, May 6.
Organosiloxanes containing methallyl silicon oxide groups. J. Swiss and C. E. Arntzen. 2,595,727, May 6.
Ornamental wrinkle films. H. A. Toulmin, Jr. 2,595,734, May 6.
Overload protective switch. C. I. Hall and J. L. Slonneger. 2,595,846, May 6.
Overload release coupling. W. H. Smila. 2,595,818, May 6.
Oxidation of ethyl naphthalene. R. Johnson. 2,595,265, May 6.
Packing structure. R. M. Magnuson. 2,595,592, May 6.
Pail, Minnow. A. W. Swanbeck. 2,595,726, May 6.
Paints and varnish, Manufacture of. M. Kaufman and A. F. Williams. 2,595,676, May 6.
Paper drilling machine or the like. J. Adrian. 2,595,438, May 6.
Paper web guide mechanism. J. R. Baumgartner. 2,595,325, May 6.
Paraffin wax-styrene isobutylene copolymer composition. D. W. Young and W. J. Sparks. 2,595,911, May 6.
Pedal controlled collapsible linkage for centrifugal clutches. H. Nutt. 2,596,040, May 6.
Pen clip. C. F. Norlin. 2,595,974, May 6.
Perforated-tape control of high-speed tabulating-card punches. A. Ryffel and C. P. Rehsteiner. 2,595,889, May 6.
Phase modifier. S. Minneci. 2,595,869, May 6.
Phenothiazine derivatives and their preparation. P. Charpentier. 2,595,215, May 6.
Phonograph pickup with shock-proof mounting. D. J. Baker. 2,595,561, May 6.
Photofluorographic apparatus. C. M. Tuttle and R. H. Morgan. 2,595,430, May 6.
Photographic color correction. R. B. Collins, D. J. Fry, and O. E. Pratt. 2,595,768, May 6.
Photomultiplier coincidence circuit. R. E. Thomas. 2,595,552, May 6.
Picture reproducing apparatus. A. C. Schroeder. 2,595,548, May 6.
Picture screen stand. L. J. Du Mais and F. J. Prokop. 2,595,647, May 6.
Pin-resetting mechanism. A. M. Simpson. 2,595,988, May 6.
Pin retainer. E. R. Irving. 2,595,383, May 6.
Pinch valve. W. F. Butler. 2,595,511, May 6.
Pipe: *See*—
  Flexible pipe. Self-lighting pipe.
Pipe for smoking tobacco and baffle unit. D. F. Green. 2,595,572, May 6.
Pipe thickness testing apparatus. A. C. Hudson. 2,595,380, May 6.
Piston reforming tool. W. M. Getty. 2,595,668, May 6.
Plant marker. H. H. Knefner. 2,595,530, May 6.
Plastic-sealing machine. K. F. Spalding. 2,595,421, May 6.
Plating point assembly for electroplating racks. E. E. Liles. 2,595,681, May 6.
Pleating of draperies. H. Sherman. 2,595,549, May 6.
Pliers, Water pump. A. B. Plautz. 2,595,368, May 6.
Plow, Reversible. B. M. Mathias. 2,595,277, May 6.
Plural liquid unit for grinding machines. C. C. Alvord. 2,595,559, May 6.
Pneumatic spring. H. R. Kaufman. 2,596,031, May 6.
Pneumatic suspension struts. P. W. Thornhill. 2,595,426, May 6.
Pneumatic thread remover. G. C. Beatrice and A. C. Krukonis. 2,595,629, May 6.
Polyesters by reacting a dicarboxylic acid with a diphenol, Production of. J. G. N. Drewitt and J. Lincoln. 2,595,343, May 6.
Polymeric poly-quaternary ammonium salts. D. D. Coffman. 2,595,225, May 6.
Polymeric polyureas. J. T. Maynard. 2,595,400, May 6.
Polymerizable and polymerized acrylonitrile-dialkylaminopropylacrylamide compositions. W. M. Thomas and J. A. Price. 2,595,907, May 6.
Polymers of allyl alkyl carbonates. D. E. Adelson and H. Dannenberg. 2,595,214, May 6.
Polymyxin, Producing. M. A. Petty. 2,595,605, May 6.
Polysiloxanes containing allyl radicals. J. Swiss and C. E. Arntzen. 2,595,728, May 6.
Polyvinyl acetate emulsion containing a polyalkylene glycol. W. G. Kunze and R. B. Evans. 2,595,952, May 6.
Polyvinyl acetate emulsion containing an aliphatic carboxylic acid and base coated therewith. W. G. Kunze and R. B. Evans. 2,595,954, May 6.
Polyvinyl acetate emulsion containing an alkoxy acetate, and base coated therewith. W. G. Kunze and R. B. Evans. 2,595,956, May 6.
Polyvinyl acetate emulsion containing an alkoxy glycol ether, and a base coated therewith. W. G. Kunze and R. B. Evans. 2,595,953, May 6.
Polyvinyl acetate emulsion containing an alkyl amide, and base coated therewith. W. G. Kunze and R. B. Evans. 2,595,955, May 6.
Polyvinyl acetate emulsion containing an aromatic amide, and a base coated therewith. W. G. Kunze and R. B. Evans. 2,595,957, May 6.
Polyvinyl alcohol lucrose hemostat. M. L. Lowry. 2,595,276, May 6.
Portable door holder. H. F. Sands. 2,595,709, May 6.
Posthole digging machine. D. M. Manning. 2,595,686, May 6.
Potassium chlorate crystals of special appearance, Producing. J. L. M. Frejacques. 2,595,238, May 6.
Poultry feeder. H. E. Baker. 2,595,324, May 6.
Poultry plucking mechanism. R. F. Wolfinger. 2,595,435, May 6.
Powder coating assembly. J. A. Paasche. 2,595,600, May 6.
Power-operated control. F. H. McCormick. 2,596,039, May 6.
Power plant. P. Altman. 2,595,558, May 6.
Power plant combustion apparatus having apertured combustion chamber walls. S. Way, A. E. Hershey, and J. R. Boyd. 2,595,999, May 6.
Power transmission. C. A. Latimer. 2,595,274, May 6.
Power transmission mechanism for farm implements. P. Corsentino. 2,595,336, May 6.
Power unit and wagon unloader. T. B. Lavelle and A. F. Herzog. 2,595,395, May 6.
Preparing $\Delta^{5,7}$-pregnadienes. S. Bernstein, D. J. Giancola, and K. J. Sax. 2,595,327, May 6.
Press: *See*—
  Curved platen printing press.
Pressure cooker. G. S. Faber. 2,595,236, May 6.
Pressure seal. V. L. Rogallo. 2,596,045, May 6.
Pressurized alkali-metal tubes. J. L. Boyer. 2,595,634, May 6.
Prevention of siliceous deposition from steam. A. C. Schubring and L. W. Jillson. 2,595,490, May 6.
Primary electric cell. R. W. Lewis and R. P. Richardson. 2,595,963, May 6.
Printing mechanism synchronizer. J. G. McKay. 2,595,279, May 6.
Printing telegraph selector. W. J. Zenner. 2,595,745, May 6.
Processing carbonaceous solids. W. W. Odell and G. L. Matheson. 2,595,366, May 6.
Producing thrust. H. T. Avery. 2,595,504, May 6.
Production and utilization of control signals. W. C. Anderson. 2,595,220, May 6.
Propane decolorizing. R. I. Brabets. 2,596,065, May 6.
Propeller feathering control. R. A. Engelhardt, W. L. Kershaw, and R. W. Schroeder. 2,595,345, May 6.
Protection of structures from noxious atmospheres. J. De Ment. 2,595,774, May 6.
Protector: *See*—
  Check protector. Wrist watch protector.
Protein adhesive composition. C. C. Heritage. 2,595,257, May 6.
Pump: *See*—
  Jet pump.
Pump. D. H. Reed. 2,595,540, May 6.
Pumping apparatus. C. W. Laubin. 2,595,861, May 6.
Puzzle and game. C. E. Grant. 2,595,938, May 6.
Quaternary bismuth alloy. O. N. Carlson and H. A. Wilhelm. 2,595,924-5, May 6.
Rack: *See*—
  Clothes drying rack.
Rack for handling bricks and the like, Adjustable. J. D. Naillon. 2,595,599, May 6.
Radially movable piston type clutch. B. S. Nelson. 2,595,479, May 6.
Radiant energy heat transfer device. M. Telkes. 2,595,905, May 6.
Radiation counter. J. A. Simpson, Jr. 2,595,550, May 6.
Radiator testing apparatus. D. Langfeld, R. Leckey, R. A. Olson, and E. G. Webb. 2,595,470, May 6.
Radio navigation system for targets in altitude layers. P. J. Herbst. 2,595,358, May 6.
Radio pulse-echo locating equipment. D. E. Norgaard. 2,595,876, May 6.
Railway car. O. A. Kuhler. 2,595,858, May 6.
Range, Ventilated. J. A. Nelson and F. J. Port. 2,595,480, May 6.
Razor blade holder frame. J. A. Greene. 2,595,247, May 6.
Receiver for short waves. A. van Weel. 2,595,997, May 6.
Reclining chair. W. M. Lewallen. 2,595,590, May 6.
Recording system. R. K. Potter. 2,595,701, May 6.
Recovery of feed products from stillage by refermentation. C. S. Boruff, L. Stone, J. C. Bauernfeind, and J. C. Garey. 2,595,827, May 6.
Recovery of protein from whey. M. E. Hull. 2,595,459, May 6.
Recovery of tar acids and bases from hydrocarbon oils. E. W. Doughty, J. V. Murray, Jr., and J. D. Fales. 2,595,516, May 6.
Reel: *See*—
  Film developing reel. Hose reel.
Reflecting surface bonded to a film. W. R. Goehner. 2,595,670, May 6.
Refrigerated dough mixer. A. W. Ruff. 2,595,298, May 6.
Refrigerating apparatus. R. S. Gaugler. 2,596,021, May 6.
Refrigerating plant. C. Thorwid. 2,595,995, May 6.
Refrigerator, Portable. P. Maniscalco. 2,596,037, May 6.
Regenerable desiccator. E. F. Seaman. 2,595,306, May 6.
Register. C. H. H. Rodanet. 2,596,044, May 6.

Releasing type hook. F. W. Coffing. 2,595,450, May 6.
Remote-control system employing a thermal delay switch. J. L. Bonanno. 2,595,919, May 6.
Removing oxides, oils, and grease from an uncoated metal article. C. A. M. Ripoche. 2,595,411, May 6.
Repairman's creeper. J. W. Griffin. 2,595,783, May 6.
Repairman's creeper. J. W. Griffin and S. S. Lazarus. 2,595,784, May 6.
Reserfoir handle for floor wax applicators. J. H. McKendrick. 2,595,687, May 6.
Resetting mechanism for gasoline dispensing pumps. R. H. Hill and B. W. Foss. 2,595,259, May 6.
Resilient mounting for pulverizer grinding rings. L. L. Leach. 2,595,587, May 6.
Resilient snap hook. H. E. Plough. 2,595,700, May 6.
Rest structure with adjustable back. M. Glick and N. Nicholas. 2,595,240, May 6.
Retaining ring assembly. H. Heimann. 2,595,787, May 6.
Reverting call circuits. R. E. Hersey. 2,595,944, May 6.
Rifle safety attachment. R. W. Fleenor. 2,595,834, May 6.
Rigid sheet metal awning structure. J. W. Snider and S. G. Domster. 2,595,612, May 6.
Ring rinser. G. P. Glibertsen. 2,595,933, May 6.
Rock bit radial bearing. K. H. Swart. 2,595,903, May 6.
Roller screen. R. G. Bridges. 2,595,508, May 6.
Rolling mill. H. J. Wallace. 2,595,910, May 6.
Rolling, stamping, and cutting machine for dough. W. C. Scott. 2,595,305, May 6.
Rope fitting. E. L. Morris. 2,595,806, May 6.
Rotary tiller for removing quack grass and the like. E. Pitcher. 2,595,537, May 6.
Rule, Disk slide. E. S. Russell. 2,595,299, May 6.
Saliva ejector. C. L. Hutson. 2,595,666, May 6.
Sander. C. D. Trussell. 2,595,428, May 6.
Saw construction, Folding. C. F. Peters. 2,595,288, May 6.
Saw, Hand manipulated power band. E. P. Sacrey. 2,596,081, May 6.
Scale, Automatic. F. F. Morley. 2,595,871, May 6.
Scale, Golf club. K. Smith. 2,595,717, May 6.
Screen: *See*—
  Roller screen.
Screen comprising a Fresnel surface and projection device comprising such a screen. G. J. Slezen. 2,596,049, May 6.
Screen roller. H. M. Lockhart. 2,595,364, May 6.
Screening for vehicles. J. T. Flaherty. 2,595,833, May 6.
Scythe and stalk cutter, Power. C. T. Patterson. 2,595,976, May 6.
Sealed arrester. W. C. Hasselhorn. 2,595,658, May 6.
Sealing device. A. M. Chambers, Jr. 2,595,926, May 6.
Sealing device for piston and cylinder assemblies. J. B. Parsons. 2,595,878, May 6.
Seat: *See*—
  Adjustable automobile seat.
Seat, table, and playpen, Combined. C. R. Leitner. 2,595,532, May 6.
Seeder drive arrangement. C. W. Walz and H. F. Clausen. 2,596,060, May 6.
Selective signal receiving device. H. A. Stickel. 2,595,614, May 6.
Selective system. M. Den Hertog and H. H. Adelaar. 2,595,378, May 6.
Selectively reducing ferrous chloride in the solid phase from a solid mixture of $FeCl_2$ and $MnCl_2$. M. E. Graham and E. A. Beidler. 2,596,073, May 6.
Selectively reducing ferrous chloride in the vapor phase from a gaseous mixture of manganese and ferrous chloride. M. E. Graham and E. A. Beidler. 2,596,072, May 6.
Self-lighting pipe. E. W. Nicholson and E. Goats. 2,595,534, May 6.
Self-starting direct-current motor. P. H. Morganson. 2,595,870, May 6.
Selvage guiding and drying apparatus. J. Dungler. 2,595,233, May 6.
Semiconductor device for two-stage amplifiers. W. M. Webster, Jr. 2,595,497, May 6.
Separable fastener rotating head. L. A. Roman. 2,595,485, May 6.
Separating gas from liquids. A. S. Parks. 2,595,602, May 6.
Separation of organic compounds. W. P. Burton and E. Solomon. 2,595,223, May 6.
Servomotor and mechanism for limiting its piston movements at variably predetermined positions. J. Rosenberg. 2,595,486, May 6.
Shaft driving mechanism for headers or like machines. R. L. Wilcox and H. L. Hoyt. 2,595,433, May 6.
Shaving device, Rotary. C. K. Norwood. 2,595,693, May 6.
Sheet jogging mechanism for printing presses. R. F. Aberle. 2,595,437, May 6.
Sheet separating device, Pneumatic. A. G. Sampson. 2,595,546, May 6.
Shelf, Knockdown portable. C. H. Robbins. 2,595,542, May 6.
Shingle, Interlocking. G. C. Turman. 2,595,821, May 6.
Shock absorber, Hydrospring. H. P. Gay. 2,595,239, May 6.
Shoe sole, Detachable. F. H. Ogden. 2,595,694, May 6.
Shoe tree, Longitudinally adjustable. F. C. Troutfetter. 2,595,736, May 6.
Shoes having a wrapper strip, Making. G. F. Jonas. 2,596,029, May 6.
Short-circuiting contactor for direct-current circuits. L. H. Harrison. 2,595,251, May 6.
Side rake pitch control means. G. B. Hill. 2,595,788, May 6.
Signal for damper control, Delayed-action. F. W. Howland. 2,595,663, May 6.
Signal generator. W. A. Yonkers. 2,595,623, May 6.
Signal responsive circuit. J. A. Morton. 2,595,691, May 6.
Signaling apparatus. F. J. and O. W. Neubauer. 2,595,980, May 6.
Signaling over telephone lines by means of a nonlinear resistance. S. L. Hjertstrand. 2,596,025, May 6.
Silo unloader. G. D. Clapp. 2,595,333, May 6.
Skate, Roller. E. Balstad. 2,595,751, May 6.
Skid supported tank. J. R. Barrow. 2,596,005, May 6.
Slicing and storing device. C. W. Paul. 2,595,896, May 6.
Slide fastener element. R. C. Legat. 2,596,077, May 6.
Slotted letter box plate and cover therefor. S. Nowakowski. 2,595,535, May 6.
Slow speed glass feeder. R. H. Park. 2,596,042, May 6.
Smoking pipe filling machine. A. L. Hand. 2,595,576, May 6.
Soap compositions and soap flakes. L. Safrin and F. W. Volz. 2,595,300, May 6.
Socket, Electrical pull-cord. O. Holzapfel. 2,595,851, May 6.
Soil penetrating terminal. P. L. Morton. 2,595,598, May 6.
Solid feeding means for fluid-type pulverizer. C. Trost and J. W. Holdcraft. 2,596,088, May 6.
Solid material heating method and apparatus. P. R. Grossman. 2,595,574, May 6.
Solvent extraction of vegetable oils. C. C. Crawford. 2,596,010, May 6.
Solvent extraction of vegetable oils. W. H. Williamson. 2,595,825, May 6.
Solvent separation of wax from hydrocarbon mixtures. W. Kiersted, Jr., and H. H. Gross. 2,595,468, May 6.
Soot blower head and valve mechanism therefor. R. H. Wager. 2,595,377, May 6.
Sorting apparatus. D. A. Freeman. 2,595,837, May 6.
Speed change gearing for grain drills. H. N. James. 2,595,461, May 6.
Speedometer cable connecting and locking device. L. S. Guetti. 2,595,940, May 6.
Spinner elevator for pipe. A. L. Stone. 2,595,902, May 6.
Spinnerets coated by metal evaporation. A. Pace, Jr. 2,595,216, May 6.
Spiral and eccentric groove cutter for phonograph records and the like. F. J. Kovach. 2,595,795, May 6.
Splash guard bracket for shower pipes. B. E. Prevost. 2,595,702, May 6.
Spool mounting and operating means. P. J. Thomas. 2,595,906, May 6.
Spray drying soluble, fusible polymers of unsaturated esters. F. C. Hopper and Q. T. Wiles. 2,595,852, May 6.
Spray gun. R. B. White, Jr. 2,595,317, May 6.
Spray, Portable livestock or cattle. L. D. Durham. 2,595,781, May 6.
Spraying device, Portable insulation. J. L. Kempthorne. 2,595,528, May 6.
Spring: *See*—
  Pneumatic spring.
Spring and mattress support for beds and the like. E. H. Anderson. 2,595,321, May 6.
Spring assembly for upholstery. W. W. Gleason. 2,595,840, May 6.
Spring seal for tube and shell heat exchangers. W. Uggerby. 2,595,822, May 6.
Stabilization of vinylidene chloride resins. C. A. Brighton and D. Faulkner. 2,595,636, May 6.
Stabilizing wool against shrinkage. S. C. Peckham. 2,595,977, May 6.
Stacking device for cards or the like. T. A. Federwitz. 2,595,346, May 6.
Stacking machine. W. J. Horn. 2,595,661, May 6.
Stand: *See*—
  Picture screen stand.
Stand and dolly for trailer tongues. J. L. Gilmore. 2,595,453, May 6.
Stand for Christmas tree lamp assembly, Display. T. E. Dartt. 2,595,929, May 6.
Starching machine, Garment. R. M. Schultz. 2,595,710, May 6.
Sterold 20-21 enol acetates. R. B. Moffett. 2,595,596, May 6.
Strainer, Downspout. E. E. Rausch. 2,595,538, May 6.
Strap construction for bathing sandals. B. P. Daugherty, Jr. 2,595,643, May 6.
Structures involving particles or mineral granules treated with organic silicon compounds and making. H. B. Keene, D. A. Anderson, and P. H. Aldrich. 2,595,465, May 6.
Superheterodyne receiver with automatic frequency control. F. A. de Groot. 2,595,931, May 6.
Support: *See*—
  Bed cover support. Vacuum cleaner support.
Support for disassembled sections of fly and similar rods. H. R. Zinn. 2,595,746, May 6.

Supporting device for electrical heating appliances. H. L. Gordon. 2,595,243, May 6.
Surgical dressing. U. Pohjola. 2,595,606, May 6.
Sweep circuit. W. L. Gaines. 2,595,667, May 6.
Switch: *See*—
Centrifugal switch.
Electric switch.
Interval timer switch.
Magnet operated switch.
Overload protective switch.
Switch. C. E. E. Karlsson. 2,595,949, May 6.
Switch for refrigerators. G. S. McCloy. 2,595,967, May 6.
Switch for games, Electric. D. W. Price. 2,595,811, May 6.
Switch-socket structure. L. Ludwig. 2,595,799, May 6.
Switching device for phonographs. S. G. Falk. 2,596,016, May 6.
Switching system employing a transiator, Telephone. T. L. Dimond. 2,595,232, May 6.
Synthesis of phenylchlorosilanes. J. T. Coe and W. A. Schwenker. 2,595,767, May 6.
Syringe. R. Wahlbeck. 2,596,083, May 6.
Table: *See*—
Folding lunch box table.
Two-section foldable game table.
Table top, Supplemental collapsible extension. E. R. Hagwell. 2,595,845, May 6.
Tank: *See*—
Skid supported tank.
Tanking plant. J. Marcou. 2,595,399, May 6.
Telephone conversation timing means. F. Kessler. 2,595,388, May 6.
Telescoping handle. R. H. Morseth. 2,595,597, May 6.
Television and like transmitting apparatus. R. S. Webley. 2,596,061, May 6.
Television system, Color. P. K. Weimer. 2,595,553, May 6.
Television test signal generator. S. Doba, Jr., and J. J. Jansen. 2,595,646, May 6.
Temporarily increasing the power of hot-gas engines, Method and apparatus for. W. J. van Heeckeren and H. Rinia. 2,596,057, May 6.
Test and repair bench for heat exchangers. D. Langfeld, R. Leckey, R. A. Alson, and E. G. Webb. 2,595,471, May 6.
Testing apparatus. W. O. Gassett. 2,595,518, May 6.
Thermal polymerization of alpha methyl styrenes. H. C. Higbet, F. E. Salt, and H. M. Stanley. 2,595,581, May 6.
Thermal standard cell. T. A. Rich and J. E. Bigelow. 2,595,814, May 6.
Thermometer, Compensated. J. B. Peterson. 2,595,881, May 6.
Thermostatic fuel valve control for hot-gas engine heaters. H. de Brey. 2,596,012, May 6.
Timer. C. R. Turner. 2,595,313, May 6.
Timer, Engine ignition. M. Montifret. 2,595,690, May 6.
Tire building apparatus. F. S. Sternad. 2,595,423, May 6.
Tire-changing device with circumferentially distributed thrust members, Fluid pressure actuated. A. P. Hildred. 2,595,258, May 6.
Toaster and the like. R. R. Mueller. 2,595,283, May 6.
Toe spacing device. T. G. Christopoulos. 2,595,640, May 6.
Toilet bowl brush cabinet. R. D. and A. E. Rollie. 2,595,412, May 6.
Tool: *See*—
Box strapping tool.
Cutting tool.
Fire tool.
Fishmouth holding tool.
Hand notching tool.
Piston reforming tool.
Tool bit grinding fixture. W. C. Keebler. 2,595,950, May 6.
Tool for shaping the ends of conduits. G. L. Riordan. 2,595,541, May 6.
Top box with a thread cutter for knitting machines. E. Vossen. 2,595,998, May 6.
Top, Spinning. W. J. Wassenaar. 2,595,823, May 6.
Topped oxo alcohol treatment by caustic and air. C. H. Hale. 2,595,785, May 6.
Toroidal variable-speed gear drive. J. Picanol. 2,595,367, May 6.
Torque limiting clutch mechanism. H. R. Greenlee. 2,595,454, May 6.
Toy, Aerial spinning. W. C. Studt. 2,595,374, May 6.
Toy cowboy, Mechanical. W. E. Mossbauer. 2,595,971, May 6.
Toy locomotive. R. E. Goode, Jr. 2,595,936, May 6.
Toy, Whirling. A. M. Steiner. 2,595,990, May 6.
Toy with windable head for rotation. S. H. Rosenthal. 2,595,888, May 6.
Tractor drive and control mechanism. G. W. Curtis. 2,595,229, May 6.
Tractor, Four-wheel drive. O. Stratman. 2,595,494, May 6.
Trailer platform stabilizing structure. G. L. Marvin. 2,595,474, May 6.
Trainer demonstrator for set of space coordinates fixed to the earth. M. Kramer. 2,595,273, May 6.
Transducer. F. V. Hunt. 2,595,791, May 6.
Transmission. F. R. McFarland. 2,595,969, May 6.
Transmission mechanism. G. H. J. Baule. 2,595,628, May 6.
Transmission mechanism, Variable-speed. A. Arato. 2,595,439, May 6.
Transmitting and receiving circuits for inductive carrier communication systems. K. E. Doriot. 2,596,013, May 6.
Traveling coil lifting gear. R. G. Russell. 2,595,707, May 6.
Tray and ice cube storage and dispensing device, Combination drip. L. H. Hinkel. 2,595,456, May 6.
Treating hydrocarbon oils, Method and apparatus for. R. P. Trainer and L. E. Border. 2,595,909, May 6.
Treatment of gaseous hydrocarbon mixtures, Method and apparatus for. P. V. Mullins. 2,595,284, May 6.
Treatment of oxo alcohols by caustic and air. C. S. Carlson, W. E. Catterall, and J. H. Staib. 2,595,763, May 6.
Treatment of topped oxo alcohol with molecular oxygen and caustic. C. H. Hale and C. E. Starr, Jr. 2,595,786, May 6.
Tricone rock bit. K. H. Swart. 2,595,904, May 6.
Trihalomethyl derivatives of 1,3-dioxane. E. F. Schroeder. 2,595,304, May 6.
Trolling float. T. B. Jones. 2,595,947, May 6.
Trowel, Corner. G. H. Wood, Jr. 2,595,742, May 6.
Truck for transporting outboard motors, Hand. R. S. Ritchey. 2,595,484, May 6.
Truck, Industrial. N. M. Lawless. 2,595,959, May 6.
Tube: *See*—
Pressurized alkali-metal tube.
Tube cutting machine. N. D. Abbey. 2,596,062, May 6.
Tubemaking machine. R. C. Andersen. 2,595,747, May 6.
Tubing rotator. W. W. Williams. 2,595,434, May 6.
Tubular aluminum ball with reinforcing inserts at ends. C. S. Packer and M. R. Olsen. 2,595,695, May 6.
Tuning mechanism. L. D. Sacre. 2,595,984, May 6.
Tuyère arrangement in cupola furnaces. H. A. Reece. 2,595,296, May 6.
Tweezer. C. J. Lo Monte. 2,595,683, May 6.
Two-cycle engine. G. Eichelberg. 2,595,932, May 6.
Two pump system. P. R. Vogt and B. C. Jacob, Jr. 2,595,618, May 6.
Two-section foldable game table. K. E. Sutton. 2,595,725, May 6.
Umbrella, Garden. H. Pereira. 2,595,697, May 6.
Underground liquefaction of coal. E. F. Pevere and G. B. Arnold. 2,595,979, May 6.
Universal joint. S. Kiss. 2,595,529, May 6.
Universal pipe connection for spill burners. F. H. Carey. 2,595,566, May 6.
Uranium-aroyl aldehyde complexes and making same. H. I. Schlesinger and H. C. Brown. 2,596,047, May 6.
Use of a mixture of a diamide of a carbonic acid and an epoxy compound to stabilize a halogen containing material. H. T. Voorthuis. 2,595,619, May 6.
Utensil, Cooking. J. H. Keating. 2,595,361, May 6.
Utensil, Culinary. L. M. Lyons. 2,595,684, May 6.
Vaccines, Method and apparatus for producing. W. W. Kay. 2,595,793, May 6.
Vacuum center table for planers. J. C. Petter. 2,595,483, May 6.
Vacuum cleaner support. C. C. Batts. 2,595,752, May 6.
Valance, curtain and drapery fixture, and accessory. M. Neallis. 2,595,478, May 6.
Valve: *See*—
Automatic multiple sampling valve.
Ball cock valve.
Concentric type valve.
Corrosion resisting safety valve.
Dump valve.
Hot-gas valve.
Inflation valve.
Pinch valve.
Valve. J. Heinen. 2,596,075, May 6.
Valve for gas storage tanks, Automatic liquid extraction. R. R. Bayuk and J. A. Mileti, Jr. 2,595,222, May 6.
Valve with excess flow prevention, Two-way. J. A. Kinnaird. 2,595,389, May 6.
Valved bag and its manufacture. C. V. Brady and A. F. Ottinger. 2,595,446, May 6.
Valved cap for automobile radiators and the like. D. Friend and L. J. Smith. 2,596,070, May 6.
Valveless vacuum-operated fluid circulating device for cleaning hollow objects such as teat cups and milk tubes. F. T. Redman, Jr. 2,595,539, May 6.
Vaporizing and burning sulfur. R. T. Braun. 2,595,447, May 6.
Vaporizing device for disinfectants and the like. J. E. Randolph. 2,595,982, May 6.
Vehicle: *See*—
Child's convertible vehicle.
Fluid motor operated toy vehicle.
Vehicle seat guard. J. L. Brooks. 2,595,329, May 6.
Vented package. L. L. Salfisberg. 2,595,708, May 6.
Ventilation. R. L. Rhoades. 2,595,885, May 6.
Ventilator, Portable window. J. A. Ferris. 2,595,570, May 6.
Vessel, Jacketed cooking. E. L. Kells and G. W. Miller. 2,595,527, May 6.
Vibrator motor. H. L. Snavely. 2,595,718, May 6.
Vinyl resins plasticized with tricresyl phosphate and stabilized with barium ricinoleate. M. K. Smith. 2,595,310, May 6.

Vise, Hand. G. L. Hawkins. 2,595,579, May 6.
Visible card index and signal. J. W. Eddy. 2,595,648, May 6.
Vision mirror and signaling device, Combination. P. F. Calihan and S. A. Mortenson. 2,595,331, May 6.
Vitamin B_{12}, Production of. T. R. Wood and D. Hendlin. 2,595,499, May 6.
Volume control for oscillators, Automatic. E. W. Houghton. 2,595,662, May 6.
Vulcanizing sponge rubber. D. E. Lovell. 2,595,964, May 6.
Wall construction. T. B. Hurd. 2,595,665, May 6.
Wallet. C. Grabborn. 2,595,843, May 6.
Washer: *See*—
Mouth washer.
Water purification. D. H. Quinn. 2,595,290, May 6.
Water supply inlet means for toilet flush tanks. B. O. Graham. 2,595,937, May 6.
Watering and feeding device for stock cars. J. M. Coyner. 2,595,337, May 6.
Watering device, Plant medium. M. Epstein. 2,595,782, May 6.
Weatherproofing. H. A. Smith. 2,595,419, May 6.
Wedge testing. H. A. Reece. 2,595,295, May 6.
Weed cutting attachment, Adjustable. W. T. Graham. 2,595,351, May 6.
Weighing machine, Automatic. G. M. Tracy. 2,595,908, May 6.
Weighing mechanism, Photoelectric. D. W. Molins, C. Best, and E. A. Chandler. 2,595,803, May 6.
Welding nut. J. B. Demboske. 2,595,830, May 6.
Well packer. G. Green. 2,595,573, May 6.
Well servicing rig, Portable. J. P. Selberg. 2,595,307, May 6.
Wet strength paper and the production thereof. J. H. Daniel, Jr., and C. G. Landes. 2,595,935, May 6.
Wet strength paper using polyarylbiguanide-urea resin, Preparing. J. R. Dudley and J. A. Anthes. 2,596,014, May 6.
Wheel aligning device. G. Pascoe. 2,595,604, May 6.
Wheel chair walking apparatus, Detachable. J. D. Thomas. 2,596,055, May 6.
Wheel mounting for tricycle-type tractor, Rocking front. J. Morkoski. 2,595,476, May 6.
Wheel mounting for vehicles, Dual offset. R. R. Love. 2,596,035, May 6.
Wheeled shopping bag. C. F. Keys. 2,595,269, May 6.
Winding machine. P. E. Chapman and P. E. Chapman, Jr. 2,595,332, May 6.
Window construction. G. O. Conner. 2,595,451, May 6.
Window construction. H. M. McKay. 2,595,595, May 6.
Window for buses and the like. W. Young. 2,595,744, May 6.
Windshield wiper blade linkage assembly. J. W. Anderson. 2,596,063, May 6.
Wood-chip preparation for digestors from unbarked logs. A. B. Dunwody. 2,596,015, May 6.
Wood impregnation. S. T. Henriksson. 2,595,256, May 6.
Work holding unit for vises. C. E. Petersen. 2,595,699, May 6.
Wringer, Clothes. L. M. Palo. 2,595,404, May 6.
Wrist watch protector. F. J. Brown. 2,595,330, May 6.
X-ray apparatus, Multiplane. O. C. Hollstein. 2,595,260, May 6.
Yielding release for mills and crushers. O. C. Gruender. 2,595,249, May 6.

CLASSIFICATION OF PATENTS

ISSUED MAY 6, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business April 18, 1952

Total number of patent applications awaiting action, 100,050. Date of oldest new application, July 2, 1951; date of oldest amended application, July 3, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	8-6-51	8-3-51	2044
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	10-4-51	9-22-51	1095
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	9-15-51	9-17-51	1606
4. FALLER, E. A., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	7-14-51	7-14-51	1601
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	9-4-51	9-4-51	1201
6. SURLE, H., Carbon Chemistry (part)	8-14-51	8-6-51	1892
7. GONSALVES, J. E., Optics; Photography (part)	9-11-51	9-10-51	1187
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	7-10-51	7-9-51	1628
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	7-17-51	7-18-51	1419
10. ANDRUS, L. M., Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles	7-13-51	7-30-51	1338
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	7-26-51	7-14-51	955
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	7-21-51	7-28-51	1176
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	7-11-51	7-10-51	1345
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	7-11-51	7-9-51	1649
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	10-5-51	9-28-51	1105
16. LOVEWELL, N. N., Television, Telephony	7-20-51	7-16-51	1228
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	7-6-51	7-9-51	1918
18. KURZ, J. A., Power Plants; Speed Responsive Devices	7-13-51	7-13-51	1230
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	7-30-51	7-25-51	1119
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	8-11-51	8-8-51	1403
21. MADER, R. C., Textiles	7-24-51	7-18-51	1316
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	7-23-51	7-23-51	1101
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	8-7-51	8-1-51	821
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	8-20-51	8-22-51	1414
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	8-1-51	8-1-51	1160
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	7-20-51	7-20-51	1225
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-1-51	8-1-51	1513
28. BRAUNER, R. H., Motors, Expansible Chamber Type: Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	7-25-51	7-23-51	1278
29. HABECKER, L. B., Button Making; Woodworking; Tools	7-24-51	8-9-51	1087
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	9-4-51	8-31-51	1470
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	8-10-11	8-3-51	2001
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	7-18-51	7-18-51	1134
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	7-21-51	7-21-51	2017
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	7-21-51	7-19-51	1330
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	7-5-51	7-3-51	1437
36. McFADYEN, A. D., Measuring and Testing	7-19-51	7-18-51	1221
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	8-3-51	8-2-51	1283
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	7-19-51	7-20-51	1527
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	7-21-51	7-21-51	2601
40. DRUMMOND, E. J., Receptacles (part); Packages	8-1-51	7-28-51	1427
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	7-14-51	7-12-51	1145
42. MARANS, H., Electric Signaling (part, except submarine, altimeters, distance or direction measuring, and object detection); Signals; Telegraphy (part); Signals and Indicators.	7-30-51	7-24-51	1080

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 100,050. Date of oldest new application, July 2, 1951; date of oldest amended application, July 3, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-6-51	8-28-51	1226
44. HARVEY, L. P., Beds; Chairs, Seats	7-14-51	7-5-51	1386
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-27-51	7-27-51	1334
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinghishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	7-5-51	7-14-51	902
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	7-17-51	7-14-51	1571
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	7-16-51	7-9-51	1634
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	7-23-51	7-18-51	1426
50. BENGEL, W. G., Synthetic Resins	10-3-51	10-3-51	1482
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	8-1-51	7-31-51	1317
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	7-30-51	7-30-51	2085
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	8-16-51	8-15-51	1032
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	7-23-51	7-5-51	1622
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	8-9-51	7-28-51	1101
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	8-4-51	8-2-51	1799
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	8-7-51	8-7-51	1733
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	7-20-51	7-20-51	905
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	7-30-51	7-30-51	1083
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	8-24-51	8-15-51	1017
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	7-16-51	7-20-51	1233
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	8-1-51	7-30-51	1366
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	7-19-51	7-19-51	1529
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-4-51	9-6-51	1787
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	7-30-51	7-30-51	1431
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	7-26-51	7-18-51	1010
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	7-31-51	8-3-51	1244
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	8-2-51	7-24-51	1585
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	7-23-51	7-20-51	1309
70. BREWERINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	7-2-51	7-3-51	2954
DESIGNS: A. BREHM, G. L., Industrial Arts	1-15-52	1-19-52	569
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	1-2-52	1-2-52	651

Total number of trade-mark applications awaiting action (including renewals and republications), 14,446. Date of oldest new application, Oct. 10, 1951; date of oldest amended application, Oct. 10, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	10-10-51	10-10-51	3760
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	10-29-51	10-29-51	3186
Renewals (All Classes)	2-19-52	3-15-52	675
Republications (All Classes)	3-6-52	3-15-52	163
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	11-1-51	11-1-51	3334
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	10-10-51	10-10-51	3328

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MILLER

Nos. 5893, 5894. Decided December 18, 1951. Petition for rehearing denied January 25, 1952

[193 F.2d 339; 92 USPQ 213]

1. PUBLIC LAW 598—OWNERSHIP OF APPLICATION—EFFECT OF INSTRUMENT RENOUNCING EARLIER ASSIGNMENT.

Where, by an instrument recorded in the Patent Office, a patentee assigns his right, title and interest in a patent "subject to an agreement with him" of an earlier date, and a later instrument is recorded which purported to renounce all or a portion of the first assignment, *Held* that even if the last instrument be construed as a reassignment, or reconveyance, to appellant of all which he conveyed originally, he is not entitled to have the term of the patent extended, because during the period between the recording of the instruments, it was a matter of public record that the entire interest in the patent was vested in the original assignee, and the Office rules require that the instrument be regarded as an absolute conveyance.

2. SAME—SAME—SECTION 1(a) REQUIRES CONTINUOUS OWNERSHIP BY INVENTORS.

Since the statute expressly requires that a veteran other than the inventor be the sole owner and that he should have been such prior to September 2, 1945, and continuously thereafter, and since there is nothing to indicate any legislative intent that an inventor owner should fare differently from an owner by inheritance or by assignment, *Held* that the phrase "which is still owned by him," in its relationship to the context of section 1(a) of the act, normally and clearly implies that the ownership must have been continuous as well as sole.

APPEAL from decision of Commissioner of Patents denying applications for extension of the terms of two patents (Nos. 2,046,960 and 2,206,913) issued to appellant prior to September 2, 1945.

AFFIRMED.

J. C. Basseches for appellant.

E. L. Reynolds for the Commissioner of Patents.

GARRETT, *Chief Judge*:

These are appeals from decisions of the Commissioner of Patents denying applications for the extension of the terms of two patents issued to appellant, as the inventor of the subject matter, prior to September 2, 1945.

The applications are predicated upon Public Law 598, 81st Congress (Second Session), which became effective June 30, 1950, 64 Stat. —.

The pertinent paragraphs of the act read:

SEC. 1. That any person who served honorably in the military or naval forces of the United States at any time between December 7, 1941, and September 2, 1945—

(a) who is the inventor or discoverer of an invention or discovery for which a patent was granted to him prior to September 2, 1945, the original term of which had not expired prior to said date and which is still owned by him, or who was prior to said date and continuously thereafter the sole owner of a patent for an invention or discovery which had not expired prior to said date; and

(b) who, between December 7, 1941, and the date of the termination of his service but not later than the date of enactment of this act, was not receiving income from said patent or patented invention or discovery; or whose income therefrom was substantially reduced as a result of said service or because of the war,

may obtain an extension of his patent for the term specified herein, upon application to the Commissioner of Patents within one year after the enactment of this act and upon complying with the provisions of this act. The period of extension of such patent shall be a further term from the expiration of the original term thereof equaling twice the length of the portion of his said service between the dates of December 7, 1941, and September 2, 1945, during which his patent was in force.

A Certificate of Service, which is a part of the record before us, states that appellant "honorably served in active Federal Service in the Army of the United States from 6 October 1942 to 3 November 1945."

The appeals are accompanied by a stipulation signed by the attorney for appellant and the Solicitor for the Patent Office, which reads:

It is hereby stipulated for the purpose of facilitating consideration by the court of the matters involved in the petitions for extension of the terms of Patent No. 2,046,960 dated July 7, 1936, and Patent No. 2,206,913 dated July 9, 1940, under Public Law No. 598; that the records connected with these two petitions be consolidated in accordance with the Praecipe for a Consolidated Record; and that items 6 to 15 inclusive, listed in the attached praecipe appear in the records of both patents and of both petitions and that the single set of these papers included in the present record shall be read as applicable to both patents and to both petitions and shall have the same force and effect as if two sets of such papers, one from each patent file and from each petition, were included in the transcript of record.

The material issue is identical in the two cases. Items 6 to 15, inclusive, of the praecipe, referred to in the stipulation, appear in the record in connection with Appeal No. 5893. So, that appeal will be first considered.

Appeal No. 5893

The patent involved in this appeal bears the title "High Voltage Electrode Housing." It is numbered 2,046,960 and is dated July 7, 1936. Normally, it will expire seventeen years from that date. Appellant seeks an extension of five years, nine months and twenty-two days (that is, until April 28, 1959), which is twice the period from the date of his induction into the military service (October 6, 1942)

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to September 2, 1945, when hostilities closed with the surrender of Japan.

It is deducible from the record before us that, after the patent had been issued, and beginning at least as early as 1940, a contract was in effect between appellant and Corning Glass Works of Corning, New York, whereby the latter was granted "the exclusive right and license to manufacture, use and sell the glass parts entering into the assembly disclosed in the aforementioned patent." No copy of the contract is in the record and the quoted clause is taken from an affidavit of appellant. The affidavit recites also that Corning Glass Works "agreed to pay a royalty for each glass part sold by it and after the first year of operation agreed to pay a minimum royalty of $2500.00 (two thousand five hundred dollars) per annum." Thirty sheets, purporting to give statements of royalties paid to appellant during the years 1940 to 1945, inclusive, are in the record, and such payments are summarized in the affidavit. The largest payment ($5,634.30) was made during 1941 and the smallest ($572.75) during the year 1943. This smallest sum was paid after there had been a modification of the original contract, in the latter part of September 1942, under which modification Corning Glass Works agreed to pay appellant "$500.00 annual minimum royalties for each contract year" during "the remainder of the war and such time thereafter as is required to get back into regular production, * * *."

The modifying agreement is shown to have been entered into because the Corning Glass Works' production of the products had been suspended by order of the Government as a war measure. In the latter part of 1945 the old contract was renewed and Corning Glass Works paid appellant $3890.00 as royalties for that year.

As we view the case, the foregoing facts, relative to the contract between appellant and the Corning Glass Works, have no particular bearing upon the actual issue, or issues, involved, but their recital as a part of the history of the case is deemed proper.

In the brief for appellant, the facts are referred to as satisfying section 1(b) of the law which appellant invokes "in that between December 7, 1941 [date of the Japanese attack on Pearl Harbor] and up to the date of the passage of the act [June 30, 1950], income from the patents was substantially reduced as a result of appellant's service or because of the war."

The difficulty which confronts appellant grows out of an instrument recorded in the United States Patent Office which reads as follows:

Instrument dated Jan. 6, 1947 (acknowledged).
Recorded Jan. 23, 1947. Liber G 210 page 560.

Samuel C. Miller to Luminous Tube Products Corporation, New York, N. Y., corporation of N. Y.	Samuel C. Miller, Inventor. High Voltage Electrode Housing, July 7, 1936, 2,046,960, and other inventions of this inventor.

Assignor assigns to assignee entire right, title and interest in the inventions described in said patents, subject to an agreement with him dated Sept. 30, 1946.

It is apparent that by the foregoing instrument appellant assigned to Luminous Tube Products the entire right, title and interest in the inventions described in the patents referred to, Patent No. 2,046,960 being specifically named.

The instrument recites that the assignment was made "subject to an agreement with him [meaning, we suppose, with appellant, Miller] dated Sept. 30, 1946." Since that agreement was dated, it is a fair assumption that it was written, but it was not recorded, and of itself it gives no information as to its character or meaning.

The brief for appellant refers to the instrument as a "conditional assignment"; declares it to be "abortive of the intention of the parties"; and directs attention to what is declared to be a "renunciation" of it "except insofar as it concerned royalties which were assigned to the Luminous Tube Products Corporation." The "renunciation" was recorded in the Patent Office November 12, 1949. As certified in the record before us it reads:

Instrument acknowledged Nov. 9, 1949.
Recorded Nov. 12, 1949. Liber B 222 page 168.

Luminous Tube Products Corporation, corporation of N. Y., to Samuel C. Miller.	Same as Previous Brief.

Recites that assignor had recorded on its behalf the instrument recorded in the U. S. Patent Office in Liber G 210, page 560; that said instrument was purported to have been executed in accordance with an agreement with assignee dated Sept. 30, 1946, and that said agreement intended that assignee should assign his interest in all royalties or other income due him under the license agreement referred to therein. Assignor renounces that it purchased or intended to purchase or have assigned to it the entire right, title and interest in the inventions described in said patents; and affirms that assignee at all times had and now has the entire right, title and interest in said inventions, subject to its right in said royalties, etc.

Alluding to the immediately foregoing instrument the brief of the Solicitor for the Patent Office says:

By papers dated November 9, 1949, and recorded November 12, 1949, the patents were reassigned to the appellant. While those papers vehemently assert that the former assignment was a mistake and should be disregarded, it is clear that they can have no retroactive effect. Whatever the assignor and assignee now allege, it is evident that title to the patents was not in the appellant between January 6, 1947, and November 9, 1949. As was held by this court in *In re Field*, 90 USPQ 233, a party who has voluntarily executed an assignment cannot be heard to argue, when it suits his interest that the assignment was not all it purported to be.

In support of this position the brief directs attention to the rule of the Patent Office relating to assignments. The rule in force on January 23, 1947, when the first of the above quoted instruments was recorded, was numbered 187 and read as follows[1]:

187. Assignments which are made conditional on the performance of certain stipulations, as the payment of money, if recorded in the Office are regarded as absolute assignments until canceled with the written consent of both parties or by the decree of a competent court. The Office has no means for determining whether such conditions have been fulfilled.

The second instrument does not impress us as being a reassignment, or reconveyance, to appellant of that which he had conveyed by the first. The second contains no words ordinarily used in making a conveyance. At most it is nothing more than an effort to "renounce" a portion of the first. Luminous Tube Products Corporation certainly retained the rights in the royalties which, according to the record, were then being paid under the contract with Corning Glass Works. So, even under the interpretation placed upon the first instrument by the last, appellant had parted with the royalty interests incident to his patent and, to that extent, had ceased to be the sole owner of the patent.

[1] However, even if the last instrument be construed as a reassignment, or reconveyance, to appellant of all which he had conveyed originally, we are unable to agree that he is entitled to have the term of the patent extended, because during the period from January 23, 1947, to November 12, 1949, it was a matter of public record in the United States Patent Office that the "entire right, title and interest" in the invention described in Patent No. 2,046,960 was vested in Luminous Tube Products Corporation by a duly recorded conveyance executed by appellant.

It is true that the conveyance recited that it was subject to an agreement with appellant dated September 30, 1946. As has been stated, that agreement was not recorded. It may be that it was an agreement which, by its terms, rendered the conveyance a "conditional assignment" as is asserted in the brief for appellant, but under the Patent Office rule (187, supra) then in force, the validity of which is not questioned, the Office necessarily regarded the instrument as an absolute conveyance.

Seemingly the Commissioner of Patents treated it as a reconveyance, and the decision turned upon the meaning given the phrase "is still owned by him" appearing in section 1(a), supra, of the law here involved. He held that the law requires "*continuous* [italics ours] ownership by the inventor beginning at a time prior to September 2, 1945" and since Miller did not own the patent between January 23, 1947, and November 12, 1949, denied his right to an extension.

It is insisted on behalf of appellant, in effect, that the law does not require continuous ownership by the inventor and that even though he may have parted with the entire right, title, and interest in his invention if he obtains a reconveyance of the patent which covers such invention, it properly may be held that he still owns it.

We are unable to agree that the context of the act justifies the construction so sought.

As was pointed out by us in the recent case of *In re Field*, supra, 649 O. G. 323, the act here involved was designed and enacted for the benefit of only those who had military or naval service in World War II. Two classes of veterans were provided for; viz., (1) Veterans who were granted patents prior to September 2, 1945, upon inventions made by themselves, which patents had not expired and were still owned by them at the time of making application for extension; and (2) Veterans who need not have been inventors but who prior to September 2, 1945, and continuously thereafter, were the sole owners of patents regardless of how title thereto was acquired, which patents "had not expired prior to said date"—that is, September 2, 1945.

The purpose of the legislation is well understood. Many of those in service who owned patents either as inventors or as assignees were unable to exploit them because of their service duties, and as to many patents which were being exploited, the war with its varying demands for military supplies, priorities, and the like, vitally affected the income from the patents. So, Congress formulated the act upon the theory that justice would be served thereby.

[2] There is nothing to indicate any purpose on the part of Congress to differentiate between veterans because of the character of their ownerships. In other words, we find nothing to indicate any legislative intent that an inventor owner should fare differently from an owner by inheritance or by assignment.

It is noted that in the case of a veteran other than the inventor, the statute expressly requires that he be the sole owner and that he should have been such prior to September 2, 1945, and continuously thereafter. In the Field case, supra, we held sole ownership to be required in the case of an inventor, the same as in the case of an owner by assignment. Such is deemed to be the logical and normal meaning of the phraseology of the law, and, in our opinion, the phrase "which is still owned by him" in its relationship to the context of section 1(a), supra, normally and clearly implies that the ownership must have been continuous as well as sole.

In the brief of the Solicitor for the Patent Office we find the following pertinent observations:

As was pointed out by this court in *In re Field*, 90 USPQ 233, section 1(a) of Public Law 598 refers to two classes of veterans: those who acquired patents by grant to them as inventors and those who are sole owners, regardless of how they acquired title. The law makes no distinction between those two classes as regards the benefits to be accorded and there is no reason to suppose that there was any intention to treat them differently. A veteran who owned a patent by virtue of an assignment would obviously be damaged as much by inability to exploit it as would a veteran to whom a patent was granted as inventor: and the obvious purpose of the law was to compensate veterans who had suffered damage. There is nothing whatever in the act to indicate any intention to grant special privileges to inventors as distinguished from assignees.

The construction for which appellant contends seems to us to be strained and abnormal. It virtually would eliminate "still" from the law, in that it would result in a determination that "still owned by him" really means nothing more than that it is owned by him. Under such holding it would not seem to be required that the inventor should have owned the patent during the time he was in the military or naval service. He might have sold his interest and rights in it before entering the service and, upon renequiring them after discharge, secured the extension provided.

The brief of the Solicitor for the Patent Office illustrates the possibility as follows:

* * * If that word ["still"] be construed as merely requiring that the veteran should own the patent at the time of applying for an extension, the result would be as follows: Suppose an inventor was granted a patent in 1933 and assigned the entire interest in it to a corporation the following year. Thereafter he served in the armed forces throughout the entire war, during which time he had no interest whatever in the patent and therefore received no income from it, thus satisfying the first requirement of section 1(b) of the law. Just before the patent expires, he obtains a reassignment of it for a nominal consideration, since it is of no further value to the corporation; giving the corporation a license if necessary. Thereupon he applies for an extension and, since the patent was granted to him, and since he "still" owns

[1] It was succeeded March 1, 1949, by present Rule 333, which contains some changes in phraseology which are not here material.

it, if the statute is construed as urged by the present appellant, he is entitled to an extension of more than seven years, despite the fact that he has suffered no loss whatever, and the patent may have been fully exploited by the assignee during the war.

The brief then comments:

It is obvious that the word "still" cannot be construed to require ownership during the war years, but not during the remainder of the period between the grant of the patent and the filing of the application for extension; it either requires ownership throughout the entire period, or it means nothing at all. Accordingly, unless the interpretation adopted by the Commissioner is the proper one, the law will produce such obvious inequities as that suggested above.

We think there was no error in the decision of the Commissioner of Patents and it is affirmed.

AFFIRMED.

Appeal No. 5894

The issue in this case being precisely the same as that in Appeal No. 5893 our decision in No. 5893 is controlling.

The decision of the Commissioner of Patents is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70: sec. 4921, R. S.

2,116,479, M. B. Reach, Inflated ball, filed Mar. 31, 1952, D. C., S. D. Ohio Cincinnati), Doc. 2854, *A. G. Spalding & Bros., Inc., et al.* v. *Hutchinson Bros. Leather Co.*

2,120,667, B. Gruskin, Therapeutic agent for use in the treatment of infection, suit for declaratory judgment filed Mar. 28, 1952, D. C., S. D. N. Y., Doc. 74/212, *Colgate-Palmolive-Peet Co.* v. *Rystan Co., Inc.*

2,130,260, D. H. Brandes, Position signaling device; 2,464,365, F. J. Aves, Curbing signal; 2,141,844, G. F. Reznor, Signal device, D. C., S. D. Calif. (Los Angeles), Doc. 10707–PH (consolidated cases 9636–PH, 9637–PH, 9652–PH, 9653–PH), *Sutone Corp.* v. *Lumidor Mfg. Co.* Complaint dismissed on merits with prejudice to plaintiffs Sutone Corp. and Brandes and to plaintiff Reznor; claims 1 and 3 through 7 of 2,130,260 held invalid; injunction restraining patentees and Sutone Corp. from asserting patents are valid and infringed (notice Mar. 25, 1952).

2,130,260. (See 2,130,260, 2,464,365, and 2,141,844.)

2,141,844, G. F. Reznor; Signal device, 2,464,365, F. J. Aves, Curbing signal; 2,130,260, D. H. Brandes, Position signaling device, D. C., S. D. Calif. (Los Angeles), Doc. 9652–PH (consolidated cases 9636–PH, 9637–PH, 9653–PH, and 10707–PH), *George F. Reznor* v. *Fred J. Aves.* Complaint dismissed on merits with prejudice to plaintiff, 2,141,844 held invalid; injunction restraining patentees and Sutone Corp. (notice Mar. 25, 1952). Doc. 9653–PH, (consolidated cases 9636–PH, 9637–PH, 9652–PH and 10707–PH), *George F. Reznor* v. *Sutone Corp. et al.* Complaint dismissed on merits with prejudice to plaintiff; counterclaim granted Sutone Corp. to extent that 2,141,844 is held invalid, injunction restraining patentees and Sutone Corp. from asserting patents valid and infringed (notice Mar. 25, 1952).

2,141,844. (See 2,141,844, 2,464,365, and 2,130,260.)

2,233,161, J. Fitch, Spraying device, D. C., W. D. Mich. (Grand Rapids), Doc. 1416, *William M. Vogel* v. *Lowell Specialty Co., Inc.* Stipulation and order of dismissal Mar. 27, 1952.

2,283,316, Cooper & Roberts, One-stage process for the manufacture of rubber; 2,291,213, G. R. Cuthbertson, Manufacture of cellular material, filed Jan. 22, 1952, D. C., N. D. Ohio (Cleveland), Doc. 28737, *Rubatex Products, Inc.* v. *The Bearfoot Sole Co. et al.*

2,291,213. (See 2,283,316.)

2,301,081, B. Rosenberg, Window curtain, filed Mar. 24, 1952, D. C., S. D. N. Y., Doc. 74/156, *Cameo Curtains, Inc.* v. *Curtain Corp. of America.*

2,388,461, H. E. Baker, Paving stripping apparatus, filed Oct. 18, 1951, D. C. Mass., Doc. 51993, *H. E. Baker* v. *Eastern Roads Co., Inc.*

2,424,124, E. F. Seemuller, Method for forming designs in knitted or woven fabric of synthetic polyamide fibers such as nylon, D. C., S. D. N. Y., Doc. 52/310, *Perforations, Inc., et al.* v. *Sarina Hosiery Co.* Stipulation and order of discontinuance (notice Mar. 24, 1952.)

2,433,570, R. F. Markkula, Leg brace knee lock, D. C., S. D. Calif. (Los Angeles), Doc. 10339–PH, *American Braces* v. *U. S. Manufacturing Co. et al.* Patent held valid and infringed, injunction; counterclaim dismissed (notice Mar. 25, 1952).

2,457,619, R. J. Yocum, Ice skating rink, filed Feb. 23, 1951, D. C. Mass., Doc. 51198, *R. J. Yocum* v. *Boston-Garden-Arena Corp. et al.*

2,464,365, F. J. Aves, Curbing signal; 2,141,844, G. F. Reznor, Signaling device; 2,130,260, D. H. Brandes, Position signaling device, D. C., S. D. Calif. (Los Angeles), Doc. 9636–PH (consolidated cases 9637–PH, 9652–PH, 9753–PH, and 10707–PH), *Fred J. Aves* v. *Sutone Corp.* Complaint dismissed on merits with prejudice to plaintiff, 2,464,365 held invalid; injunction restraining patentees and Sutone Corp. from asserting patents valid and infringed (notice Mar. 25, 1952). Doc. 9637–PH (consolidated cases 9636–PH, 9652–PH, 9653–PH, and 10707–PH), *Fred J. Aves* v. *Sutone Corp.* Decree as above.

2,464,365. (See 2,141,844 and 2,130,260.)

2,465,331, J. Y. Resnick, Television receiving antenna, D. C., S. D. N. Y., Doc. 52/9, *Channel Master Corp.* v. *Veri-Best Television Products, Inc.* Stipulation and order of discontinuance Mar. 24, 1952.

2,477,168, T. H. Bradley, Fish eviscerating apparatus, filed Mar. 21, 1952, D. C., N. D. Calif. (San Francisco), Doc. 31372, *T. H. Bradley* v. *Oxnard Canners, Inc.*

2,495,339, J. Markowitz, Supporting structure for electrical units, filed Feb. 6, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c282, *Allen Organ Co., Inc.* v. *Haygren Organ Co.*

2,495,579, Ferris & Klancnik, Antenna, filed Jan. 28, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c202, *Hi-Lo T V Antenna Corp.* v. *K. G. Electronics Corp.* Same, filed Feb. 2, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c303, *Hi-Lo T V Antenna Corp.* v. *W. L. Wilson et al.* Cause dismissed without prejudice Mar. 12, 1952.

2,549,604, T. W. Howlett, Drive for forge hammer, filed Jan. 3, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c8, *Letts Drop Forge, Inc.* v. *Phoenix Mfg. Co.*

2,577,710, E. G. McDonough, Permanent waving composition and method, filed Mar. 29, 1952, D. C., N. D. Tex. (Dallas), Doc. 4608, *Sales Affiliates, Inc.* v. *Skillern & Sons, Inc., et al.* Doc. 4605, *Sales Affiliates, Inc., et al.* v. *Southwestern Beauty Products Co.*

Des. 106,213, I. Peterson, Counter stool, filed Mar. 21, 1952, D. C., N. D. Calif. (San Francisco), Doc. 31373, *King & Anderson* v. *H. & M. Dulik.*

Des. 143,938, D. Schapiro, Shower slippers, D. C., S. D. N. Y., Doc. 49/318, *D. Schapiro* v. *Glida Corp. of America.* Consent order of discontinuance (notice Mar. 26, 1952).

Des. 162,095, N. J. Stupell, Alphabet for forming monograms, filed Mar. 28, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. 12543, *Signa-Craft, Inc.* v. *Bar-Lyn Corp. et al.*

Des. 162,805, F. Ferber, Ball point pen, filed Mar. 24, 1952, D. C., S. D. N. Y., Doc. 74/152, *Ferber Corp.* v. *Robert J. Burnham, Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 216,906, Guerlain Perfumery Corp. of N. Y., Perfumes, filed Jan. 25, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c177, *Guerlain, Inc.* v. *Federal Silver Corp.* Doc. 52c180, *Guerlain, Inc.* v. *Federal Silver Corp.*

T. M. 313,722, Lanvin Parfums, Inc., Perfumes, face powder, lipsticks, etc., filed Jan. 25, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c176, *Lanvin Parfums, Inc.* v. *Federal Silver Corp.* Doc. 52c179, *Lanvin Parfums, Inc.* v. *Exclusive Import Co., Inc., et al.*

T. M. 326,840, The Revlon Nail Enamel Corp., Nail enamel, nail polish, lip-rouge, etc., filed Jan. 24, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c170, *Revlon Products Corp.* v. *Revlon Cleaners & Dyers.*

T. M. 353,100, T. M. 506,413, T. M. 528,035, Royal Metal Mfg. Co., Chromium plated metal furniture, filed Feb. 2, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c312, *Royal Metal Mfg. Co.* v. *Royal Chrome Dinette Co. et al.*

T. M. 389,729, Lorraine Mfg. Co., Infant's wear, filed Mar. 21, 1952, D. C., S. D. N. Y., Doc. 74/140, *Frank Jay Markey Syndicate, Inc.* v. *Toby Press, Inc., et al.*

T. M. 389,794, Meletio Sea Food Co., Food preparation, D. C., E. D. Mich. (Detroit), Doc. 11279, *Meletio Sea Food Co.* v. *Golden Krisp Food Products Co.* Stipulation and order of dismissal (notice Mar. 25, 1952).

T. M. 506,413. (See T. M. 353,100.)

T. M. 528,035. (See T. M. 353,100.)

NOTICES

Extension of Patents Granted

Patent No. 2,129,627. DISPENSING DEVICE. Granted Sept. 6, 1938. William Hupp Sands and Howard Nelson Moore. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 30 days from the expiration of the original term thereof.

Patent No. 2,270,686. IMPELLING DEVICE. Granted Jan. 20, 1942. Howard Nelson Moore. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 17 days from the expiration of the original term thereof.

Proposed Discontinuance of Publication of Abstracts of Applications

By Commissioner's Notice of January 25, 1949, 619 O. G. 258, a practice was instituted in the Patent Office whereby an applicant for patent could under certain circumstances, upon abandonment of his application, secure publication in the OFFICIAL GAZETTE of an abstract of the disclosure of the application.

The practice has not resulted in the benefits which were expected when it was initiated and has been taken advantage of in only a relatively small number of cases and by a relatively small number of applicants or assignees. Consideration is being given to the probable termination of the practice. Anyone interested in the retention or discontinuance of the practice is invited to submit his views in writing, addressed to the Commissioner of Patents, Washington 25, D. C., prior to October 1, 1952.

JOHN A. MARZALL,
Commissioner of Patents.

April 4, 1952

Cancellation Notice

Maryland Lime & Fertilizer Corp., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by J. L. Heini, at 1800 North Cove Blvd., Toledo, Ohio, to effect the cancellation of trade-mark registration of Maryland Lime & Fertilizer Corp., Hopewell Road, R. F. D. 3, Hagerstown, Maryland, No. 443,103, dated July 19, 1949, and the notice of such proceeding sent by registered mail to the said Maryland Lime & Fertilizer Corp., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Maryland Lime & Fertilizer Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Apr. 29, 1952.)

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Apr. 8, 1952.

Disclaimers

2,490,205.—*Charles R. Busch*, Orange, N. J. BRAKE BEAM. Patent dated Dec. 6, 1949. Disclaimer filed Apr. 8, 1952, by the inventor, and the assignee, *Buffalo Brake Beam Company.*

Hereby enter this disclaimer to claim 17, as follows: To the words "block-like body" in said claim, except with the meaning that said words indicate a member for receiving and mounting thereon a brake head which is removable therefrom, such brake head constituting an entirely separate element from the block-like body.

2,508,029.—*Walter F. Kannenberg*, Gillette, N. J. RELAY CIRCUIT. Patent dated May 16, 1950. Disclaimer filed Apr. 10, 1952, by the assignee, *Bell Telephone Laboratories.*

Hereby enters this disclaimer to the subject-matter claimed in claim 1 of said patent.

Interference Notice

Leon P. Anthony, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 2,394,738, granted February 12, 1946, to Leon P. Anthony, 3016 Dalton Avenue, Los Angeles 7, California, and the application for patent of Albert H. Winkler, 401 North Bendix Drive, South Bend 20, Indiana, and a notice of such declaration sent by registered mail to said Anthony at the said address has been returned by the Post Office as undeliverable. Said notice was then reforwarded by registered mail to Anthony c/o North American Aviation Corp., 5601 West Imperial Blvd., Inglewood, California, the address supplied by counsel for Anthony, but was again returned by the Post Office as undeliverable. This Office therefore has been unable to secure service upon the party Anthony. Notice is hereby given that unless said Anthony, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Apr. 29, 1952.)

THOMAS F. MURPHY,
Assistant Commissioner.

Apr. 4, 1952.

Adjudicated Patents

(C. A. Ill.) Harris Patent No. 2,083,705, for a blasting device. Claim 1 *Held* valid and not infringed. *Cardox Corporation* v. *Armstrong Coalbreak Company*, 194 F.2d 376; 92 USPQ 296.

(C. A. Ill.) Armstrong Patent No. 2,212,891, for a blasting device. Claims 2, 3, and 6 *Held* valid and not infringed. *Id.*

(C. A. Ill.) Wilson Patent No. 2,437,580, for a latch for sofa bed hinges. Claims 7, 9, 10, 12, 16, and 17 *Held* invalid and not infringed. *Wilson et al.* v. *The Seng Company*, 194 F.2d 399; 92 USPQ 197.

Classification Order No. 124

March 28, 1952

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS

In *Class 174, Electricity, Conductors and Insulators* (Division 65)

Boxes and housings
With conduit or cable openings, coupling means or hole closures
65.5 Ceramic box or housing

CHANGE SUBCLASS TITLES

In *Class 75, Metallurgy* (Division 3), change the titles of subclasses 174 and 177 to read:

Alloys
Non-ferrous
174 Tantalum and/or columbium
177 Titanium and/or zirconium

In *Class 322, Electricity, Single Generator Systems* (Division 26), change the title of subclass 73 to read:

Generator control
With excitation winding and/or circuit control
Control by electric space discharge devices
73 Discharge control discharge device

ESTABLISH SUBCLASSES

In *Class 29, Metal Working* (Division 13)

(H. K. SAALBACH, *Classifier*)

Special work
25.35 Piezoelectric device making (to follow subclass 25.31)

In *Class 30, Cutlery* (Division 11)

(S. KOREN and E. V. BENHAM, *Classifiers*)

Razors
Detachable, guarded cutting edge
Pivoted cap
Multiple guard
With operator and relative blade and guard adjustment
60.5 Sectional cap (to follow subclass 60)

In *Class 74, Machine Elements and Mechanisms* (Division 12)

(E. C. DARSCH, *Classifier*)

17.8 **Motion transfer through imperforate flexible seal** (to follow and be coordinate with subclass 17.5)

In *Class 174, Electricity, Conductors and Insulators* (Division 65)

(J. E. LADY, *Classifier*)

With fluids or vacuum
Boxes and housings
17.05 Hermetic sealed envelope type (e. g., with exhaust stem) (to follow subclass 17)
17.06 Liquid seal
17.07 Combined lead-in and exhaust tube
17.08 With electric connector

With fluids or vacuum
Insulators
Axial passage and/or through wall or plate
31.5 Liquid sealed joint (to follow subclass 31)

Boxes and housings
50.5 Hermetic sealed envelope type (to follow subclass 50)
50.51 With covering or casing for envelope
50.52 With electrical connector
50.53 Envelope portion forms connector
50.54 With mounting means for a device within envelope
50.55 Hollow lead surrounding another lead (e. g., concentric type)
50.56 Lead-in insulated from metal wall
50.57 Stem or sealing disk attached to envelope neck
50.58 By fused type seal
50.59 With shield for the lead-in seal or between the lead-in conductors
50.6 Plural lead-ins
50.61 With bonded seal for conductive member (e. g., glass to metal)
50.62 With cement or plastic
50.63 Metal disk or ring type seal
50.64 Foil or flat lead-in

In *Class 252, Compositions* (Division 64)

(H. K. SAALBACH, *Classifier*)

62.9 **Piezoelectric** (to follow subclass 62.5)

In *Class 260, Chemistry, Carbon Compounds* (Division 31)

(H. PFEFFER, *Classifier*)

96.5 **Urea adducts** (to follow subclass 822)

MISCELLANEOUS CHANGES

In *Class 171, Electricity, Generation*, at the end of the title of subclass 327, insert:

Notice: See the definitions of Class 29, METAL WORKING, subclass 25.35, for a statement of the subject matter in Class 171, subclass 327, and for a statement of the location of related art.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
174	65.5	174	50.5+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
29	25.35	171	327
30	60.5	30	60
74	17.8	74	18.1
		286	11
174	17.05+	174	18
	31.5		31
	50.5+		18
	50.5+		65
	50.5+		65.5
252	62.9	171	327
260	96.5	260	Various

IN THE DEFINITIONS:

22, Metal Founding

In subclass 202, insert:

(1) Note.—For products produced by similar processes see Class 109, SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 82.

23, Chemistry

In subclass 273, under "Search Class," insert:

29—METAL WORKING, subclass 25.35, for apparatus for manufacturing piezoelectric crystal devices by processes consisting of crystallizing and additional manufacturing operations.

In subclass 295, under "Search Class," insert:

29—METAL WORKING, subclass 25.35, for processes of manufacturing piezoelectric crystal devices which include crystallising and additional manufacturing operations.

In subclass 298, in the reference to subclass 303 under "Search this class, subclass," correct the spelling of "NaCl."

In subclass 301, under "Search Class," cancel the reference to Class 171, and substitute:

29—METAL WORKING, subclass 25.35, for processes of manufacturing piezoelectric crystal devices which include crystallising and additional manufacturing operations.

29, Metal Working

establish the following subclass definition:

25.35. **Miscellaneous processes of and apparatus for manufacturing piezoelectric devices or piezoelectric crystals which are not classifiable in the specific classes relating to the manufacture of articles.**

(1) Note.—A piezoelectric device is defined for the purpose of this definition as a device which contains a material which exhibits an electrostatic polarization when subjected to mechanical stress or which exhibits a mechanical stress, tending to produce a deflection, when subjected to electric stress, in combination with means to utilize the piezoelectric property of said material. The material may be crystalline or may not be so. The vast majority of piezoelectric substances are crystalline, but a few substances which are not obviously crystalline, such as some barium titanate ceramics and some wax-resin electrets (the electrostatic analogue of the permanent magnet), exhibit piezoelectric properties. Since, in theory, piezoelectricity is attributed to certain types of anisotropy in the material, those piezoelectric materials which are not obviously crystalline may be regarded as having a quasicrystalline structure and the expression piezoelectric crystal is adopted, for convenience of expression, as being generic to both types of material in the shaped (as distinguished from the bulk) state where the shape (e. g., plate, AT cut) is disclosed as being significant to the piezoelectric property of the material. In summary:

Piezoelectric material = material in bulk
Piezoelectric crystal = material shaped for piezoelectricity
Piezoelectric device = piezoelectric material or crystal + utilization means (e. g., electrodes, holder)

(2) Note.—This subclass is not limited to the manufacture of piezoelectric devices by a metal working operation, but includes the manufacture of such devices by any type of operation where no other class provides for the entire subject matter claimed.

(3) Note.—This subclass includes patents relating to the manufacture of the type of piezoelectric devices classified in Class 171, ELECTRICITY, GENERATION, subclass 327. Other classes which provide for piezoelectric devices may also include methods and apparatus for manufacturing the piezoelectric devices in those other classes. For a list of such other classes consult the search notes below.

(4) Note.—Where a patent includes a claim to the piezoelectric device in addition to a claim to the process of or apparatus for manufacturing the piezoelectric device, the patent is classified in the article class and cross-referenced here.

(5) Note.—Methods of and apparatus for manufacturing piezoelectric devices when claimed in combination with methods of and apparatus for using said piezoelectric devices, are not classified in this subclass but are classified in the class which pertains to the use.

Search this class, subclass—

25.41+—and the classes referred to in the search notes of that subclass for methods of and apparatus for manufacturing electric condensers, some of which methods and apparatus are useful in the manufacture of piezoelectric devices.

155.55—for processes, not elsewhere classified, of manufacturing or assembling electrical contacts or terminals.

179.5—and the classes specified in the notes thereto, for methods of bonding (e. g., soldering) a metal to non-metal joint, such as the joint between a quartz crystal and an electrode wire.

203+—for miscellaneous apparatus, not elsewhere classified, for assembling electrical apparatus.

350+—for methods of soldering a metal to metal joint, such as the joint between a metallic coating on a quarts crystal and an electrode wire.

Search Class—

23—CHEMISTRY, subclass 295+, for processes of crystallising inorganic chemical compounds (note particularly indented subclass 301 where a seed crystal is used to control the crystallization), and subclass 273 for apparatus for crystallizing both inorganic or organic chemical compounds. The products of these processes, and the seed crystals used in the processes, are classified as chemical compounds. Seed crystals combined with supports are classified as apparatus in subclass 273. Processes of and apparatus for detwinning crystals are classified in the crystallizing subclasses. Methods of preventing decomposition of crystals by enclosing the crystals in an environment rich in the decomposition products, so that the equilibrium tendency is against decomposition (as when an ammonium salt is surrounded with ammonia gas) are classified with the crystals. Inorganic piezoelectric chemicals per se, when shaped to claimed configurations, where the configuration is disclosed as being significant to the piezoelectric property of the crystal (e. g., plate, AT cut) are not classified in Class 23 (see the reference to Class 171 below). Inorganic chemicals are classified in Class 23, even though claimed as being piezoelectric, where the chemical is not claimed as being shaped with respect to the piezoelectric property and where it is uncombined with piezoelectric structure.

41—ORNAMENTATION, subclass 9, for apparatus for chemically etching the surface of a piezoelectric crystal to adjust its resonant frequency. Such apparatus may be under time control or under the control of the varying resonant frequency of the crystal being etched. Subclass 42+ relates to chemical etching compositions and chemical etching methods. This class also includes, in subclasses 9 and 41, apparatus and methods for cutting piezoelectric materials by solvent action, such as sawing Rochelle salt crystal with a wet string, or drilling a hole in it with a water jet.

51—ABRADING, appropriate subclasses, for methods of and apparatus for abrading the surface of a piezoelectric crystal to adjust its resonant frequency. Such abrading methods and apparatus may be under time control or under the control of the varying resonant frequency of the crystal being abraded. Note particularly subclass 8+ for the sand blast type of apparatus, subclass 163 for the tumbling type of apparatus, subclass 282 for tumbling and sand blast processes, and subclass 283+ for processes of abrading crystals. Search appropriate subclasses of Class 51 for methods of and apparatus for shaping (e. g., sawing, drilling, surfacing) piezoelectric materials which utilize an abrasive as the cutting tool. Such methods and apparatus in Class 51 may include methods and apparatus for determining the crystallographic orientation of the material.

73—MEASURING AND TESTING, subclass 67+, for piezoelectric transducers which couple an alternating current electric circuit and a device having mechanical vibrations for testing purposes and for the testing systems which utilize such transducers.

88—OPTICS, subclass 14, for methods and apparatus of determining the crystallographic axis of a crystal by optical means. Crystal goniometers in Class 88 may mark the crystallographic axis on the crystal being tested or may position the crystal in a certain orientation with respect to the light rays. Methods of determining the crystallographic axis which include chemically etching the crystal to develop etching pits which can be observed optically are included in Class 88, subclass 14. Crystal goniometers which, in addition, mount the crystal in a holder or cut it or perform some operation other than or in addition to the testing are not classified in Class 88. Search subclass 61 for light valves utilizing piezoelectric materials.

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for compositions useful to coat piezoelectric crystals or devices, as for waterproofing. Search subclass 39+ for ceramic compositions and ceramic dielectrics, such as those containing titanate compounds, glass, porcelain or steatite.

117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, for methods of coating piezoelectric crystals or devices. Such coating, for example, may be applied for the purpose of adjusting the frequency of the crystal, in which case the coating may be under time control or under the control of the varying resonant frequency of the crystal being coated, or the coating may be applied as an electrode or terminal or for the purpose of waterproofing the crystal. Note particularly subclass 38 for a non-uniform coating applied by a printing, stenciling or masking procedure, subclass 71 for a plural layer metallic coating, subclass 105 for a sprayed metallic coating and subclass 107 for an evaporated metallic coating.

118—COATING APPARATUS, appropriate subclasses, for miscellaneous coating apparatus. Note particularly subclass 8 where the coating is under the control of a characteristic of the workpiece (as when the coating apparatus is controlled by the varying resonant frequency of a piezoelectric crystal being coated); subclass 49 for vacuum evaporation coating apparatus, and subclass 300+ for projection or spray type coating apparatus.

125—STONE WORKING, appropriate subclasses, for methods and apparatus for shaping (e. g., sawing, drilling, surfacing) piezoelectric crystals which utilize a cutting tool (as distinguished from an abrasive or abradant tool). Such methods and apparatus in Class 125 may include methods and apparatus for determining the crystallographic orientation of the crystal.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, appropriate subclasses, for methods of and means for cleaning piezoelectric crystals, which may include merely treatment in chemical baths or may include mechanical operations.

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, appropriate subclasses, for methods of laminating. Note particularly subclass 117 for methods of wrapping protective lamina about a piezoelectric crystal or device.

171—ELECTRICITY, GENERATION, subclass 327, for piezoelectric crystals per se, for piezoelectric crystals in combination with electrodes for piezoelectric materials in combination with ancillary devices, such as holders or ovens, and for piezoelectric motors or generators. Piezoelectric crystals in combination with an art device are classified with the art device.

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 50+, and the classes referred to in the search notes of that class, for housings and envelopes having means for conducting electricity between the inside and outside of the housing. Included are such housings or envelopes as are used for piezoelectric crystals.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 183, for processes of and means for subjecting a piezoelectric crystal to an electric test, as for the purpose of predicting its frequency drift, or of determining the polarity of charge produced by mechanical stress or of determining its activity. Search indented subclass 368 for frequency meters, per se.

177—ELECTRIC SIGNALING, subclass 386, for the structure of piezoelectric transducers used in submarine signaling and for the underwater signaling systems utilizing such transducers; Search subclass 352 for similar transducers used with seismic vibrations and for the seismic prospecting systems which utilize such transducers. (Also see the reference to Class 181 below.)

178—TELEGRAPHY, subclass 44, for electric wave filters utilizing piezoelectric crystals.

179—TELEPHONY, subclass 110, for the structure of piezoelectric microphones and subclass 100.41 for the structure of piezoelectric phonograph pickups.

181—ACOUSTICS, subclass .5, for piezoelectric transducers used with seismic vibrations and for the seismic prospecting systems which utilize such transducers. (See the reference to Class 177 above.)

200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclasses 52 and 87, for the structure of electric relays and switches which are operated by piezoelectric means.

204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, appropriate subclasses, for electrical methods of and apparatus for coating piezoelectric crystals. Note particularly subclass 15 for electrolytic methods of coating a localized area, subclass 28 for methods of applying a coating where an electrolytic and a non-electrolytic step are combined as where copper is electrolytically plated over a chemically deposited silver layer; subclass 192 for methods of coating by cathode sputtering; subclass 193+ for electrolytic apparatus, and subclass 298 for cathode sputtering apparatus. Search subclass 154+ for methods of treating compounds by electricity or radiant energy, such as neutron bombardment or X-ray radiation, to produce therein chemical changes which may be manifest by associated physical changes. The steps of such methods may be under the automatic control of some property of the material being treated or they may be under manual control.

220—METALLIC RECEPTACLES, appropriate subclasses, for the structure of housings, casings and envelopes, per se. Note particularly subclass 2.1+ where the housing, casing or envelope is of the electric discharge tube or similar (such as piezoelectric crystal) type and subclass 3.2+ where the housing, casing or envelope is of the outlet or junction box type.

226—FILLING AND CLOSING PORTABLE RECEPTACLES, appropriate subclasses, for methods of and apparatus for sealing housings and envelopes which are disclosed as containing piezoelectric crystals and for that subject matter where the claims recite merely that the housing contains a crystal (as distinguished, for example, from a crystal which is mounted within the housings). Note particularly subclass 1 where the housing is filled with both an article and a gas, subclass 20+ where the housing is filled with a gas and subclass 82+ where the housing is hermetically sealed.

250—RADIANT ENERGY, subclass 36, for piezoelectric oscillators. Search subclass 49.5 for methods of testing (as distinguished from treating) a piezoelectric crystal by subjecting it to electronic or ionic rays and for apparatus for testing or treating a piezoelectric crystal by subjecting it to electronic or ionic rays. Search subclass 51+ for methods of testing (as distinguished from treating) a piezoelectric crystal by subjecting it to invisible radiant energy (such as X-rays) and for apparatus for testing or treating a piezoelectric crystal by subjecting it to invisible radiant energy. Apparatus for treating piezoelectric crystals in Class 250 may be under the automatic control of some property, such as resonant frequency, of the crystal being treated or may be under manual control. Crystal goniometers in Class 250 may mark the crystallographic axis on the crystal being tested or may position the crystal in a certain orientation with respect to the testing ray or may otherwise indicate the crystallographic axis but crystal goniometers which, in addition, mount the crystal in a holder or cut it or perform some operation other than and in addition to the testing are not classified in Class 250.

252—COMPOSITIONS, subclass 62.9, for piezoelectric compositions and subclass 63+ for dielectric compositions.

259—AGITATING, subclass 1, for method of and apparatus for agitating which utilize piezoelectric means.

260—CHEMISTRY, CARBON COMPOUNDS, appropriate subclasses, for processes of crystallizing organic compounds, the process being classified with its product. Note particularly subclass 536 for processes of crystallising Rochelle salt and subclass 707 for processes of crystallizing organic compounds limited to no specific type of compound. The products of these processes, and also the seed crystals used in the process, are classified as chemical compounds. Seed crystals combined with supports are classified as crystallizing apparatus in Class 23, subclass 273. Organic piezoelectric chemicals per se, when shaped to claimed configurations, where the configuration is disclosed as being significant to the piezoelectric property of the crystal (e. g., plate, AT cut) are not classified in Class 260 (see the reference to Class 171, subclass 327, above). Organic chemicals are classified in Class 260, even though claimed as being piezoelectric, where the chemical is not claimed as being shaped with respect to the piezoelectric property and where it is uncombined with piezoelectric structure.

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 55, for the structural combination of a piezoelectric crystal and a space discharge device or electric lamp.

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 116, for electric motor control systems where the electric motor is of the piezoelectric type.

332—MODULATORS, subclass 26, for frequency modulators which utilize a piezoelectric crystal.

30, Cutlery

in the class definition, in "(2) Note", cancel "pipe and rod cutters, subclass 92+", and under "Notes", in "(17) Note", in the last paragraph, change "(3)" to *(30)*.

establish the following subclass definition:

60.5. Devices under subclass 60 in which the cap is formed by a plurality of cap members pivoted to the razor.

in subclass 92, cancel the definition only, and substitute:

92. Cutting devices and implements specially designed for cutting cylindrical pipes or rods and which are supported in their entirety by the work and/or manually during the cutting operation.

and in "(2) Note", after the period, add:

Except for the above, the line with Class 164, CUTTING AND PUNCHING SHEETS AND BARS, is as follows: Class 30 takes pipe or rod cutting devices in accordance with the definition of Class 30, subclass 92, and Class 164, appropriate subclasses, takes all other pipe or rod cutting devices.

and add:

(5) Note.—In the above definition the term work may include work parts adjacent to the pipe or rod, e. g., a boiler head carrying pipes, or one of several pipes forming a boiler.

36, Boots, Shoes and Leggings

in subclass 7.1, add:

Search this class, subclass—

58.5+—for means for retaining the overshoe on the shoe or for preventing relative movement between the shoe and the overshoe and modifications of the overshoe for these purposes.

in subclass 71, add:

Search this class, subclass—

37—for yielding heel pads per se to be inserted in the shoe.

76—for shank stiffeners per se, or shoes having shank stiffeners, which will support the foot.

41, Ornamentation

in subclass 9, under "Search Class", insert:

95—PHOTOGRAPHY, subclass 89+, for fluid treatment apparatus used for photographic development, some of which apparatus may be used for chemical etching.

in subclass 42, add:

(3) Note.—Methods of determining the orientation of the crystallographic axis of a crystal which include the step of etching a surface of the material to develop etching pits and then observing the etching pits optically are not classified as etching methods in this subclass but are classified as optical methods in Class 88, Optics, subclass 14.

49, Glass

in subclass 92.5, under "Search Class", in the reference to Class 174, cancel the words "subclass 65.5", and substitute:

subclasses 17.05+ and 50.5+ and the subclasses specified in the notes thereto.

74, Machine Elements and Mechanisms

change the position of the unnumbered definition "Mechanical Movements" (which now follows subclass 17.5) so as to immediately precede subclass 20.

establish the following subclass definition:

17.8. Devices under the class definition having an imperforate member functioning as a seal for an aperture in a partition or for a passageway, the member being flexible at least in part to permit movement with respect to the partition and being fixed to the partition or walls of the passageway, there being means contacting one side of the seal member to receive or transfer motion from or to the member, and there being relative motion between the seal member and the means at the point of contact.

(1) Note.—The seal member may include bearing surfaces or the like to minimize the effect of the relative motion on the seal.

Search this class, subclass—

18+—for flexible seals pierced by a rod, which seal is fixed to its support and to the rod.

75, Metallurgy

in subclass 174, cancel the definition and substitute:

174. Alloys containing a major portion of tantalum and/or columbium.

in subclass 177, cancel the definition and substitute:

177. Alloys containing a major portion of titanium and/or zirconium.

81, Tools

in the class definition, under "Search Class", add:

78—METAL FORGING AND WELDING, subclasses 3 and 4, for anvil vises, and subclass 8 for vise attachments for anvils.

in subclass 38, cancel "(1) Note", and substitute:

(1) Note.—Machines or attachments, for performing other than mere gripping functions, adapted to be mounted on vises for actuation by the jaws thereof, are classified in accordance with the function or structure of the machine or attachment. See Search Class below for examples.

and under "Search Class", add:

153—METAL BENDING, appropriate subclasses, for attachments, adapted to be mounted on and actuated by the jaws of a vise, which bend, corrugate or straighten.

164—CUTTING AND PUNCHING SHEETS AND BARS, appropriate subclasses, for attachments adapted to be mounted on and actuated by the jaws of a vise which cut and/or punch sheets and bars.

103, Pumps

in subclass 4, in "(2) Note", change the first occurrence of "250" to *230*.

106, Compositions, Coating or Plastic

in subclass 39, insert:

(6) Note.—Ceramic dielectrics, such as those containing barium titanate, are classified in this and indented subclasses unless they are disclosed or claimed as being piezoelectric, in which case they are classified in Class 252, COMPOSITIONS, subclass 62.9, if claimed only as a piezoelectric material, or in Class 171, ELECTRICITY, GENERATION, subclass 327, if claimed as having a particular shape which is significant to the piezoelectric property.

122, Liquid Heaters and Vaporizers

in subclass 349, in the definition, delete "that".

126, Stoves and Furnaces

in subclass 258, change "lamb-chimneys" to *lamp chimneys*.

129, Paper Files and Binders

in the class definition, add:

(1) Note.—The line with Class 312, SUPPORTS, CABINET STRUCTURES, is as follows: A file combined with a cabinet which will serve to protect the file from dust, wherein there is a mere recitation of the cabinet, will not prevent classification in Class 129. Thus, if the cabinet, in combination with a file, is defined as including walls broadly and a mere lid broadly, classification will be in this class, whereas if the cabinet is defined more specifically, in combination with a file, classification will be in Class 312, appropriate subclasses.

and under "Search Class", in the reference to Class 312, before the period, insert: *, and see (1) Note.*

in subclass 15, before "devices" in the definition, insert *disclosed*.

and add:

Search Class—

312—SUPPORTS, CABINET STRUCTURES, subclass 234.1+, for cabinets including indicators to identify the contents therein.

in subclass 16, in the definition, change "comprising" to *adapted to hold*.

in subclass 34, cancel the definition and substitute:

34. Devices under the class definition comprising hinged or pivoted plates used for securing or holding the papers thereon.

Search Class—

312—SUPPORTS, CABINET STRUCTURES, subclass 191, for cabinets including relatively and sequentially movable supporting members in face-to-back relationship on which sheets or cards are held by spring urged retainers, and subclass 192 for cabinets including supporting members swingable about a vertical axis and on which sheets or cards are held by spring urged retainers, and see (1) Note in the class definition of this class (129).

153, Metal Bending

in the class definition, add:

(7) Note.—Bending devices adapted for mounting on and actuation by the jaws of a vise are classified here.

164, Cutting and Punching Sheets and Bars

in the class definition, add:

(3) Note.—Cutting and/or punching devices adapted for mounting on and actuation by the jaws of a vise are classified here.

and under "Search Class", cancel the reference to Class 81.

174, Electricity, Conductors and Insulators

in the class definition, cancel Section 7, and substitute therefor:

7. Housings (boxes, receptacles, containers, etc.) are placed in this class only when limited to electrical use. The mere fact, claimed or unclaimed, that the material of which the box or housing is composed is conductive, and/or insulative, will not cause classification in this class. See (16) Note below. To be classified in this class, the claims must include some structure which limits the box or housings to electrical use. The recitation that the box or housings include an electrical device, recited by name only, is sufficient to cause classification in this class even though no other structure is recited which limits the box or housings to electrical use. This class includes as boxes, housings or envelopes such as are used for electric lamps, electric space discharge devices, and similar electrical devices which are enclosed in vitreous, ceramic, nonmetallic plastic or metallic housings or envelopes. Where such subject matter is otherwise properly within the scope of this class, the mere naming of the type of lamp or discharge device as being the device within the housing or envelope will not exclude the patent from this class. Neither will the recitation of an electrode broadly recited within the housing or envelope exclude the patent from this class although if the electrode is claimed as a filament, anode, grid

or other specific electrode, the patent will be excluded. Also, the recitation of electrode supporting structure when broadly recited or when recited so as to be of general utility will not exclude the patent from this class. For example, means for supporting an electrode assembly, or lead-in wires supporting an electrode will not exclude the patent from Class 174. Where the supporting structure is limited to use with electric lamp or discharge device structure, the patent is excluded from Class 174 and will be found in Class 313. For such envelopes and housings in this class, see subclass 8+ where the envelope is provided with means peculiarly adapted for use in connection with a vacuum, gas or fluid (but not merely a hermetically sealed envelope designed for use with a vacuum or gas filling where no structure peculiarly adapted for use with a vacuum or fluid except the hermetic seals is claimed). See subclass 9 where the structure includes a current conductive fluid (e. g., a liquid used as a part of the lead-in structure) or where a vacuum is used (e. g., as a space around the lead-in designed to be continuously evacuated to reduce leakage of air or gas), subclass 15 where the envelope or housing has combined therewith means for feeding, circulating or distributing a fluid including means to cool the fluid or has means to cool the box or housing or the device therein where the cooling means involves the use of a fluid, subclass 17+ for the miscellaneous envelopes, boxes and housings under subclass 8, see especially subclass 17.05+ for the miscellaneous hermetically sealed envelopes and housing within the definition of subclass 8 (including housings which are provided with an evacuating stem or opening or which use a liquid to form the hermetic seal), subclass 31+ for structures under subclass 8 which are bushings or other devices for insulating a conductor or object from a wall or plate through which the conductor or object passes, subclass 35 for such envelopes and housings provided with an electric shield which wholly or partially surrounds the envelope and for such envelopes and housings which include means to shield the housing or a part thereof from electromagnetic or electrostatic effects, and subclass 50+ for the miscellaneous such boxes and housings, see especially subclass 50.5+ for the miscellaneous hermetically sealed envelopes and housings in this class, including those provided with lead-in wires or other conductive means for conducting electricity to the device within the housing. Note that subclass 151+ provides for devices (e. g., bushings) for insulating a conductor from a wall or plate (such as a metallic envelope wall) through which the conductor extends, the bushing may be fluid tight and include a glass to metal seal.

in the section entitled "Housing, Boxes or Receptacles", add:

(17.5) Note.—This class provides for the structure of a housing, box or receptacle and electrical connector structure for making electrical contact between the lead-in conductors of the receptacle (i. e., the conductors which pass through the wall of the housing, box or receptacle) and an external circuit and for junction boxes, housings or receptacles with electrical connectors where significant structure of the housing, box or receptacle is recited in addition to the electrical connector structure. Class 173 provides for housing, boxes and receptacles with electrical connectors where no more structure is recited than is necessary to mount or support the electrical connectors. Also, Class 173 provides for electrical connectors in combination with the housing, box or receptacle for the connector (e. g., housed connectors) where significant connector structure is recited.

in subclass 8, in "(3.5) Note", cancel the last sentence and substitute:

See especially indented subclasses 9, 15+, 17+ (see 17.05+ for the hermetically sealed envelopes and housings) and subclass 31. Note that merely stating that the housing or envelope is for a vacuum or gas filled tube will not cause classification in this or the indented subclass even though hermetic seals for the housing or envelope are claimed.

in subclass 11, add:

Search Class—

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 294, for miscellaneous electrical systems having fluid condition response means for controlling the system for safety purposes (e. g., opening supply circuit if cooling medium is not effective).

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 13, for electric lamps and discharge devices with non-electrical means for controlling the temperature modifying medium used with the lamp or discharge device.

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 112+, for electric lamps and discharge devices with electrical means for controlling the temperature modifying medium used with the lamp or discharge device.

in subclass 17, in "(4) Note", cancel the reference to Class 313 and substitute:

313—ELECTRIC LAMP AND DISCHARGE DEVICES, appropriate subclasses, for electric lamps and electric space discharge devices which are provided with an envelope, jacket or housing. See especially subclass 324 and the subclasses specified in the Notes thereto. Also, see Section 7 of the class definition of Class 174.

establish the following subclass definitions:

17.05. Boxes, housings and envelopes under subclass 17 which are hermetically sealed.

(1) Note.—Merely reciting that the envelope is provided with structure (such as the hermetic seals) to provide a hermetically sealed envelope for use with a vacuum or gas filling will not cause classification in this or the indented subclasses. See subclass 50.5+ for such hermetically sealed envelopes.

(2) Note.—Many of the envelopes and housings in this and the indented subclasses are of the type used for electric lamps, electric space discharge devices, and similar electrical devices. See section 7 of the class definition.

(3) Note.—This and the indented subclasses provide for envelopes and housings which have an evacuating stem or opening.

(4) Note.—Most of the boxes, housings and envelopes in this and the indented subclasses are provided with lead-in conductors for conducting electrical energy to the device within the box, housing or envelope.

Search this class, subclass—

9—for this subject matter where the structure includes a current conductive fluid (e. g., a liquid used as part of the lead-in structure) or where a vacuum is used (e. g., as a space around the lead-in designed to be continuously evacuated to reduce leakage of air or gas).

14—for this subject matter where the structure includes means for preserving or maintaining the character of the fluid used with the box or housing.

15—for this subject matter where the structure includes means for circulating, feeding or distributing a fluid or is provided with fluid type cooling means for the box or housing or the device therein.

50.5+—and the subclasses specified in the notes thereto for the miscellaneous hermetically sealed boxes and housings in this class including those with lead-in conductors.

Search Class—

220—METALLIC RECEPTACLES, subclass 2.1+, for envelopes and housings for electric lamps and electric space discharge devices where no electrical structure is claimed, see indented subclass 2.2 for such envelopes and housings as are provided with an evacuating stem or opening.

313—ELECTRIC LAMP AND DISCHARGE DEVICES, appropriate subclasses, for electric lamps and electric space discharge devices which are provided with an envelope or a housing. See especially subclass 317+ of Class 313 and the subclasses specified in the notes thereto. Also see section 7 of the class definition of Class 174.

17.06. Subject matter under subclass 17.05 in which a liquid is used to seal a joint of the box, housing or envelope.

Search this class, subclass—

9—where the liquid is also used as an electric conductor (e. g., the liquid is used as a lead-in conductor).

31.5—for bushings, terminals and lead-ins with liquid sealed joints even though the wall or plate of the supporting box or housing for the bushing, terminal or lead-in is claimed where no characteristics of the box or housing are claimed.

Search Class—

220—METALLIC RECEPTACLES, subclass 45, for receptacles having liquid sealed closures and see the classes referred to in the notes to that subclass for other classes which provide for structures with liquid sealed joints.

17.07. Subject matter under subclass 17.05 wherein the box, housing or envelope is provided with an evacuating stem formed of conductive material which is also used as a lead-in conductor for conducting electrical energy to the device within the box, housing or envelope.

(1) Note.—This subclass does not include boxes, housings or envelopes where a solid lead-in conductor merely passes through a non-conductor (e. g., glass) evacuating stem.

Search this class, subclass—

9—where the lead-in conductor is a liquid which is also used to seal a joint so as to make the joint fluid tight.

17.08. Subject matter under subclass 17.05 in which the box, housing or envelope has an electrical connector combined therewith for connecting a lead-in conductor of the box, housing or envelope to an external conductor, or where the envelope, box or housing has a portion thereof formed so as to be at least a part of an electrical connector.

(1) Note.—This subclass includes hermetically sealed envelopes such as used for electric lamp, electric space discharge devices and similar devices which are provided with a screw type or plug type base as well as boxes, housings and envelopes where the lead-in conductors are either shaped so as to form electrical connectors or are of sufficient rigidity to form contacts (usually plug type contacts) subject to the limitations of (2) Note. It also includes devices where a portion of the enclosing wall of the envelope is shaped so as to form an electrical connector.

(2) Note.—This subclass provides for the structure of the box, housing or envelope with connector structure where significant structure of the housing, box or receptacle is recited in addition to that necessary to support or mount the electrical connector. See Section 17.5 of the class definition of this class (174). See Class 173, ELECTRICITY, CONNECTORS, appropriate subclasses for electrical connector structure.

Search this class, subclass—

50.5+—for other hermetically sealed envelopes, boxes and housings in this class which are provided with an electrical connector.

Search Class—

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 318, and the subclasses specified in the notes thereto for electric lamps and electric space discharge devices which have a hermetically sealed envelope with an electrical connector (e. g., base) thereon or formed as a part thereof.

in subclass 18, cancel "(1.5) Note", and substitute:

(1.5) Note.—Search this class, subclass 17.05+ for hermetically sealed envelopes and housings under subclass 8 such as are used for electric lamps and electric space discharge devices and which are provided with lead-in conductors for transmitting electrical energy through the wall of the envelope or housing.

in subclass 31, at the end of "(2) Note", add:

Merely claiming a fluid tight structure (such as having a fluid tight joint) will not cause classification in this subclass (31) where there is no other structure claimed which is especially provided for use with a fluid. A structure which provides a chamber to contain a fluid will be classified in this subclass (31).

establish the following subclass definition:

31.5 Subject matter under subclass 31 in which a liquid is used to seal a joint of the structure.

Search this class, subclass—

17.06—for hermetically sealed envelopes, boxes, and housings, within the definition of subclass 9 including those with bushings, terminals and lead-ins, in which a liquid is used to seal a joint.

Search Class—

220—METALLIC RECEPTACLES, subclass 45, for receptacles having liquid sealed closures and see the classes referred to in the notes to that subclass for other classes which provide for structures with liquid sealed joints.

in subclass 35, cancel "(1.5) Note" and substitute:

(1.5) Note.—This class (174) provides within the limitations of (1) Note for the combination of an envelope, box or housing such as are used for electric lamps, electric space discharge devices, and similar devices and an electrical shield and for such envelopes, boxes and housings which include an electric shielding means. See section 7 of the class definition.

in subclass 50, cancel "(1.5) Note", and substitute:

(1.5) Note.—This and the indented subclasses include envelopes, casings, and housings such as are used for electric lamps, electric space discharge devices and similar electrical devices which are enclosed in vitreous, ceramic, non-metallic plastic or metallic envelopes or casings. See section 7 of the class definition. See especially indented subclasses 50.5+ where the envelope, box or housing is hermetically sealed. In many of these devices the casing, housing or envelope is provided with lead-in wires or conductors for conducting electric current through the wall of the envelope, casing or housing.

establish the following subclass definitions:

50.5. Envelopes under subclass 50 which are hermetically sealed.

(1) Note.—The term envelope is defined to include boxes, housings or other hermetically sealed receptacles in this and the indented subclasses.

(2) Note.—Many of the envelopes in this and the indented subclasses are of the type used for electric lamps, electric space discharge devices and similar electrical devices. See section 7 of the class definition.

(3) Note.—Most of the envelopes in this and the indented subclasses are provided with lead-in conductors for conducting electrical energy to the device within the envelope.

Search this class, subclass—

9 and 17.05+—and the subclasses specified in the notes thereto for this subject matter where a fluid is used or where the structure is provided with means peculiarly adapted for use with a fluid (e. g., an evacuating stem or opening or a fluid seal), and see subclass 9 where the structure includes a current conductive fluid or where a vacuum is used.

35—for this subject matter where the structure includes an electrostatic or electromagnetic shielding means, and for envelopes with a shield which wholly or partially surrounds the envelope.

65—for other boxes and housings under subclass 50 which are provided with means to couple a cable, wire or conduit to the box or housing.

151+—for devices (e. g., bushings) for insulating a conductor from a wall or plate through which the conductor extends (the bushing may be fluid tight).

Search Class—

13—ELECTRIC FURNACES, subclass 31, for electric furnaces having a sealed gas filled or evacuated chamber.

67—ILLUMINATING BURNERS, subclass 31, for flash lights of the illuminating burner type (photoflash) which are provided with a gas filled envelope and with lead-in conductors for the igniting means.

189—METALLIC BUILDING STRUCTURES, subclass 36.5, and the classes specified in the notes thereto for miscellaneous joints between metal and nonmetallic parts where the parts are bonded together.

200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, appropriate subclasses, for vacuum switches and subclasses 32, 81.6, 112, and 152 for liquid contact (mercury switches), and subclass 113.5 for glow discharge type switches which are usually provided with a hermetically sealed envelope.

220—METALLIC RECEPTACLES, subclass 2.1+, for envelopes (including those which are hermetically sealed) for electric lamps, electric space discharge devices, and similar devices.

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 317+, and the subclasses specified in the notes thereto for electric lamp and electric space discharge devices which are provided with a hermetically sealed envelope. See section 7 of the class definition of this class (174) with respect to the distinction between Classes 174 and 313.

50.51. Subject matter under subclass 50.5 having a casing or jacket surrounding the envelope or a portion thereof, or having the envelope wholly or partially covered with a coating or similar covering material.

(1) Note.—This subclass includes envelopes within the definition of subclass 50.5 which have an integral double wall.

Search this class, subclass—

35—where the casing, jacket or covering is an electromagnetic or electrostatic shield.

Search Class—

117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, for miscellaneous coated articles, see subclass 124 where the base to which the coating is applied is glass.

220—METALLIC RECEPTACLES, subclass 2.1+, for the structure of double walled and coated envelopes for electric lamps and electric space discharge devices where no electrical structure is claimed.

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 312, and the subclasses specified in the notes thereto for electric lamps and discharge devices which are provided with a hermetically sealed envelope and a separable casing or jacket surrounding the envelope, and subclass 317+ and the subclasses specified in the notes thereto for electric lamp and discharge devices having integral double wall hermetically sealed envelopes or a covered or coated hermetically sealed envelope.

50.52. Subject matter under subclass 50.5 in which the envelope has combined therewith an electrical connector for connecting a lead-in conductor of the envelope to an external conductor, or where the envelope has a portion thereof formed so as to be at least a part of an electrical connector.

(1) Note.—This and the indented subclass includes hermetically sealed envelopes such as are used for electric lamps, electric space discharge devices, and similar devices which are provided with a screw type or plug type base as well as envelopes where the lead-in conductors are either shaped so as to form electrical connectors or are of sufficient rigidity to form contacts (usually plug type contacts) subject to the limitations of (2) Note. The indented subclass includes devices where a portion of the enclosing wall of the envelope is shaped so as to form an electrical connector.

(2) Note.—This subclass provides for the structure of the envelope with connector structure where significant structure of the envelope is recited in addition to that necessary to support or mount the electrical connector. See section 17.5 of the class definition of this class (174). See Class 173, ELECTRICITY, CONNECTORS, appropriate subclasses for electrical connector structure.

Search this class, subclass—

17.06—for this subject matter where a fluid is used or where structure is provided peculiarly adapted for use with a fluid (e. g., an evacuating stem or opening).

Search Class—

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 318 and the subclasses specified in the notes thereto for electric lamps and electric space discharge devices which have a hermetically sealed envelope with an electrical connector (e. g., a base) thereon or formed as a part thereof.

50.53. Subject matter under subclass 50.52 where the envelope has a portion thereof formed so as to be at least a part of an electrical connector.

(1) Note.—The portion of the envelope which forms the part of the electrical connector may be a metallic wall portion which is used to complete the wall portion of a glass or ceramic envelope.

(2) Note.—Devices where the lead-in wires only are formed or are of sufficient rigidity to form contacts are in subclass 50.52 and not in this subclass. This subclass includes devices having a wall portion sealed with a metallic closure which is designed for use as an electrical connector.

(3) Note.—Included in this subclass are envelopes of metal, glass or other ceramic which have a portion formed with screw threads so as to form a part of a screw threaded base type connector. The threads may or may not be covered with conductive material.

50.54. Subject matter under subclass 50.5 having means to mount an electrical device within the envelope.

(1) Note.—This subclass provides only for hermetically sealed envelopes where the mounting means within the envelope is of general utility, that is, where the mounting structure claimed could be used for mounting any one of a number of different devices such as electrical condensers, inductances, resistors, switches, etc. The mere recitation of an electrode or electrode assembly broadly recited as the thing mounted will not exclude the device from this subclass, but if the electrode is claimed as a filament, anode, grid, cathode, or other specific electrode in the case of a lamp or electric space discharge device the device will be excluded and will be found in Class 313, ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 238 + .

Where the supporting structure is not of general utility, but is of the type useful only in mounting the electrodes of a lamp or electric space discharge device, the patent is excluded from this class (174) and will be found in Class 313 even though the electrodes are not claimed specifically.

Search this class, subclass—

52—for other boxes and housings under subclass 50 with means for mounting an electrical device within the box or housing.

Search Class—

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 238 + . See (1) Note above with reference to Class 313.

50.55. Subject matter under subclass 50.5 having a hollow tubular lead-in conductor passing through the wall of the envelope and having another lead-in conductor arranged within the hollow lead-in conductor.

(1) Note.—The lead-in conductors are ordinarily concentrically arranged. This subclass includes therefor envelopes with co-axial lead-ins where no electrical characteristics of the lead-ins such as the inductance, capacity, or resonant features are involved and also includes envelopes where the portion of the lead-ins which passes through the wall are stepped or displaced along the length of each other as in some types of "light house" tubes.

Search this class, subclass—

50.53—for this subject matter where the hollow tubular lead-in is a part of the envelope wall and is designed also for use as an electrical connector and the other lead is arranged within the hollow lead-in (as in some types of "light house" tubes).

**151 + **—for devices (e. g., bushings) for insulating a plurality of concentric arranged conductors from a wall or plate through which the conductors extend (the bushing may be fluid tight).

Search Class—

178—TELEGRAPHY, subclass 44, for concentrically arranged transmission lines including those with hermetically sealed joints between the conductors and those designed to pass through a wall or plate where electrical characteristics of the conductors, such as the inductance, capacity or resonant features are involved.

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 39 for electric lamps and electric space discharge devices which have structurally combined therewith a wave guide or co-axial high frequency transmission line (the wave guide or coaxial line may extend through the walls of the envelope of the device).

50.56. Subject matter under subclass 50.5 wherein the envelope has at least a portion of its wall formed of metal or other conductive material with a lead-in conductor which passes through the metal or conductive wall portion and is insulated therefrom.

(1) Note.—This subclass includes patents where the envelope is formed substantially entirely of metal and has lead-in conductors passing through the wall.

(2) Note.—Where only the structure of the lead-in conductors, the wall of the envelope, and the means for insulating it from the wall is claimed, the device is classified in subclass 151 + of this class as a bushing. Such structure is classified in subclass 151 + even if the envelope is claimed where no characteristics of the envelope are claimed in addition to the bushing structure. Envelopes having a plurality of separate lead-in conductors passing through the metal wall are classified in this subclass (50.56).

Search this class, subclass—

50.55—where the envelope has two concentrically arranged conductors passing through the wall of the envelope, one of which may form a part of the envelope wall.

50.57. Subject matter under subclass 50.5 having one or more lead-in conductors sealed into a disk, stem structure or other supporting structure, the disk, stem or supporting structure forming a closure for the envelope.

(1) Note.—The structures in this and the indented subclass are characterized primarily in that there is a joint between the closure which supports one or more lead-in conductors and the envelope as distinguished from the type of device which has the envelope sealed directly about the lead-in conductors. The disk, stem or supporting structure for the lead-in conductor may be of the same or different material as that of the envelope.

Search this class, subclass—

50.56—where the disc or closure is formed of metal or other conductive material.

Search Class—

220—METALLIC RECEPTACLES, subclass 24 + , for the structure of miscellaneous closures for receptacles.

50.58. Subject matter under subclass 50.57 where the disk, stem structure or supporting structure for the lead-in is joined to the envelope by a fused seal.

(1) Note.—The seal may be a glass to glass joint, a metal to metal joint or a glass to metal joint. Where cement is used to join the disk or stem structure to the envelope, see subclass 50.57.

Search this class, subclass—

**50.61 + **—for bonded seals between a lead-in conductor and the envelope wall.

50.59. Subject matter under subclass 50.5 provided with means for shielding the joint between the lead-in conductor and the portion of the envelope through which the lead-in passes, or for preventing electrical leakage currents between the lead-in conductors along the envelope wall.

(1) Note.—The shield may be for the purpose of preventing a deposit of sputtered or vaporized material upon or around the lead-in and the envelope portion adjacent thereto, or to prevent the sealing material at the joint from being attached by deleterious substances, or for any other shielding purpose.

Search this class, subclass—

35—for hermetically sealed envelopes within the class definition with electrostatic or electromagnetic shields for the envelope or a part thereof.

17.06 and **55.52 + **—where the device is provided with an electrical connector (e. g., a base) and the electrical connector is formed so as to constitute a shield between the lead-in conductors or for the joint.

Search Class—

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 219, for gas or vapor type electric lamps and electric space discharge devices with shielding means for the lead-in conductors, subclass 313 for the miscellaneous electric lamps and discharge device with electrical shielding means for the device or a part thereof, and subclass 317 + for electric lamps and discharge devices with lead-in conductors including such devices as have shielding means for the lead-in joint or between the lead-in conductors.

50.6. Subject matter under subclass 50.5 having structure especially provided for a plurality of lead-in conductors.

(1) Note.—Included in this subclass are only devices where there is significance to the use of a plurality of lead-ins. If the lead-ins merely duplicate each other, then no cross-reference of the patent is placed in this subclass.

Search this class, subclass—

**50.52 + **—where the envelope is provided with an electrical connector.

50.55—where one of the lead-ins is a hollow conductor which surrounds another lead-in (e. g., coaxial).

**50.57 + **—where a plurality of lead-in conductors pass through a closure disk or stem structure which is sealed into an opening in the envelope wall.

50.59—where there is shielding means to prevent leakage currents between two lead-in conductors.

Search Class—

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 317 + , for electric lamps and discharge devices with a plurality of lead-in conductors.

50.61. Subject matter under subclass 50.5 wherein a lead conductor which passes through the wall of the envelope is sealed to the envelope by means of a bonded seal.

(1) Note.—A bonded joint is a joint in which the joining is performed by casting, welding, soldering, brazing or other method requiring the use of molten or semi-molten material, cement, or other adhesive, or where at least one of the parts to be joined is made of plastic and the joint is made by pressing the parts together so that they adhere to each other. The usual glass-to-metal seal is an example of a bonded joint.

(2) Note.—This and the indented subclasses are residual places for patents for envelopes with bonded lead-ins which involve more than mere joint structure such as would be classified in one of the classes providing for joints and which do not involve sufficient other structure to be classified in the above subclasses of this class or in another class.

Search this class, subclass—

**151 + **—for devices (e. g., bushings for insulating a conductor from a wall or plate through which the conductor extends). Some of these bushings include a bonded joint between the lead-in conductor and the insulator or between the insulator and the wall or plate. Where only the structure of the lead-in conductor, the wall of the envelope and the means for insulating it from the wall is claimed, the device is classified in subclass 151 + as a bushing, even though the envelope is claimed where no characteristics of the envelope are claimed in addition to the bushing structure.

Search Class—

49—GLASS, subclass 92.5, for the structure of glass to metal seals. The search should extend to Class 49, subclass 92.5 where the materials of which the glass and lead-in conductor are made is significant, and for structures such as graded seals.

189—METALLIC BUILDING STRUCTURES, subclass 36.5, and the classes specified in the notes thereto for the structure of bonded joints between metal and non-metallic parts (other than glass-to-metal) and for structures which involve a metal part joined to a metal part which is bonded to a non-metal part (including metal-to-metal-to-glass seals). The search should extend to this subclass and the classes referred to in the notes thereto where the materials of which the joint is formed is significant.

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 317 + , for electric lamps and electric space discharge devices having lead-in wires passing through the envelope walls and sealed to the wall by a bonded seal.

50.62. Subject matter under subclass 50.61 where the lead-in conductor is sealed to the envelope by means of a plastic material or by the use of a cement.

Search this class, subclass—

17.06—where the material used to form the seal is a liquid or where the seal includes a liquid (e. g., as mercury).

Search Class—

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses for the composition of cements and plastic materials.

50.63. Subject matter under subclass 50.61 where the lead-in conductor is in the form of a disc or ring, or has a flange forming a disc or ring thereon or is a metal tube, with the envelope sealed to either the side or edge of the disc or ring, or to the metal tube.

Search this class, subclass—

50.55—where there are two lead-in conductors, one of which is a tube surrounding the other, and the envelope is sealed to the outer conductor and another hermetic seal is formed between the inner conductor and the outer conductor.

50.58—where a metal disc forms the closure for a ceramic or glass envelope and the closure and envelope are sealed together by a fused type seal.

50.64. Subject matter under subclass 50.61 where the lead-in conductor is a foil or is in the form of a flat strip.

in subclass 65, cancel "(0.5) Note", and substitute:

(0.5) Note.—Search subclass 50.5 + and the subclasses specified in the notes thereto for hermetically sealed envelopes and housings such as are used for electric lamps, electric space discharge devices, and similar devices. Subclass 65 includes casings and jackets which are not hermetically sealed and which are of general utility and are otherwise within the subclass definition such as may be used for electric lamps, space discharge devices and similar devices. See section 7 of the class definition (Class 174). For the electrical devices which include such envelopes and casings, see the search notes to subclass 50.5 + and search class:

13—ELECTRIC FURNACES, appropriate subclasses, where the device is an electric furnace.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 30, for lightning arresters (other than the space gap or arc type).

200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, appropriate subclasses, for electric switches enclosed within an envelope or box. See especially subclass 168.

313—ELECTRIC LAMP AND DISCHARGE DEVICES, appropriate subclasses, for electric lamps and electric space discharge devices which are provided with a casing. See especially subclass 324 and the subclasses specified in the notes thereto.

and add:

(0.7) Note.—Search this class, subclass 18, for boxes and housings with a bushing, terminal or lead-in in which a fluid is used or which are provided with structure peculiarly adapted for use with a fluid.

in subclass 65.5, cancel the definition and notes.

in subclass 151, insert:

(1.3) Note.—For hermetically sealed envelopes of the type used for electric lamps and electric space discharge devices which have a metallic wall portion with a lead-in conductor which passes through and is insulated from the metal wall portion, and where structure of the envelope in addition to the bushing structure is recited, see subclass 50.56 of this class.

(1.5) Note.—For the miscellaneous boxes and housings with bushings where structure in addition to the bushing structure is involved, and for the miscellaneous boxes and housings with means to couple a cable, wire or conduit to the box or housing, see subclass 65 of this class.

189, Metallic Building Structures

in subclass 36.5, under "Search Class", in the reference to Class 174, cancel the words "subclass 65.5 . . . of that subclass", and substitute therefor:

subclasses 17.05 + and 50.5 + and the subclasses specified in the notes thereto.

201, Resistances and Rheostats

in subclass 63, under "Search Class", insert:

179—TELEPHONY, subclass 190, and the subclasses referred to thereunder for resistance elements specific to telephone use.

in subclass 72, add:

Search Class—

179—TELEPHONY, subclass 190, for granular resistance elements specific to telephone use.

218, Button, Eyelet and Rivet Setting

in subclass 3, under "Search Class", in the reference to Class 1, change the title to *Nailing, Stapling and Clip Clenching.*

220, Metallic Receptacles

in the class definition, in "(2) Note", add in numerical order:

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclasses 17+ and 50+, and the subclasses specified in the notes to the definition of these subclasses for boxes and housings which involve electrical features. See the notes to subclass 2.1+ of this class (220) for the distinction between the envelopes, boxes and housings for electric lamps, discharge devices, and similar devices in this class and those in other classes, and the notes to subclass 3.2+ of this class (220) for the distinction between the boxes and housings for electrical devices in this class and those in other classes.

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 317+, and the subclasses specified in the notes thereto for electric lamps and discharge devices which are provided with an envelope, housing or container. See the notes to subclass 2.1+ of this class (220) for the distinction between the envelopes, boxes and housings for electric lamp and discharge devices which are in this class and those in other classes.

in subclass 2.2, under "Search Class", in the reference to Class 174, cancel the last sentence (i. e., the references to subclasses 9 and 17), and substitute:

See subclass 17.05+ and the subclasses specified in the notes thereto for hermetically sealed envelopes which include electrical features (e. g., lead-in wires, electrical connectors, etc.) and which are provided with an evacuating stem or opening.

in subclass 2.3, under "Search Class", in the reference to Class 174, cancel "65+" and substitute *50.5+.* and insert after the first sentence:

See especially subclass 50.53 where the metal wall portion is formed as an electrical connector and subclass 50.56 and the subclasses specified in the notes thereto where the lead wire passes through and is insulated from the metal wall.

in subclass 45, under "Search Class", insert:

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 17.06, for hermetic sealed envelopes, boxes and housings where a liquid is used to seal a joint, and subclass 31.5 for electric bushings, terminals and lead-in structures where a liquid is used to seal a joint.

222, Dispensing

in the class definition, Section 24, cancel the reference to Class 141, Washing Apparatus, Section 7, and insert in numerical order:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, Sec. 7.

250, Radiant Energy

in subclass 33.65, add:

Search Class—

343—COMMUNICATIONS, RADIANT ENERGY, subclass 18, for radio wave reflectors or absorbers of the type used in radar applications.

in subclass 106, change "(2) Search Class" to *Search Class,* and add:

313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 54, for electric lamps and electronic tubes which include a radio-active material as a part thereof.

252, Compositions

establish the following subclass definition:

62.9. Compositions under the class definition specialized and designed for use as piezoelectric materials and processes of making said compositions. Such compositions are classified here without regard to the state of electrical polarization of the composition, even though said state of polarization is claimed.

(1) Note.—A piezoelectric material, for the purpose of this definition, is defined as a material which exhibits an electrostatic polarization when subjected to mechanical stress or which exhibits a mechanical stress, tending to produce a deflection when subjected to electric stress.

(2) Note.—Compositions, per se, are classified in this subclass when, by either disclosure or claim, the composition is piezoelectric.

(3) Note.—It is believed that some dielectrics, such as those used in electrets (the electrostatic analogue of the permanent magnet), which exhibit permanent polarization, may inherently have piezoelectric properties and dielectric compositions (subclass 63) should therefore be considered as a field of search.

Search this class, subclass—

63—for miscellaneous dielectric compositions.

Search Class—

29—METAL WORKING, subclass 25.35, for methods of and apparatus for manufacturing piezoelectric devices.

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for plastic or coating compositions which are dielectric. Note subclass 39+ for ceramic dielectrics, such as those containing titanate compounds, glass, porcelain or steatite.

171—ELECTRICITY, GENERATION, subclass 327, for piezoelectric compositions of particular shape where there is a disclosure that the shape is significant to the piezoelectric property.

in subclass 63, in the reference to Class 106, after the period add:

Note subclass 39+ for ceramic dielectrics such as those containing titanate compounds, porcelain or steatite.

260, Chemistry, Carbon Compounds

establish the following subclass definition:

96.5. Compounds under the class definition which are adducts of a urea of the general formula

$$=N-\overset{\overset{O}{\|}}{C}-N=$$

and an organic compound and processes for their preparation.

(1) Note.—Included in this subclass are processes of purification or separation of organic compounds by means of adduct formation with ureas even though the splitting of the adduct to recover the organic compound is recited.

Search this class, subclass—

552 and 553+—for adducts of thioureas and ureas with inorganic compounds.

in subclass 536, under "Search Class", cancel the reference to Class 171 and substitute:

29—METAL WORKING, subclass 25.35, and the classes referred to in the search notes of that subclass, for processes of and apparatus for the manufacture of piezoelectric crystals of Rochelle salt by procedures which include crystallizing and additional manufacturing operations.

in subclass 707, add:

Search Class—

29—METAL WORKING, subclass 25.35, and the classes referred to in the search notes of that subclass, for processes of and apparatus for the manufacture of piezoelectric crystals of organic compounds by procedures which include crystallizing and additional manufacturing operations.

285, Pipe Joints or Couplings

in subclass 72, cancel the definition and substitute:

72. Devices under subclass 71 wherein the pipe comprises a plurality of layers one within another, and all layers are connected to a coupling member.

313, Electric Lamp and Discharge Devices

in the class definition, Section IX, at the end of the third paragraph, add:

See Class 174, appropriate subclasses for the combination of an envelope, box or housing (such as a lamp or discharge device envelope) and either a separable or integral casing or housing where electrical features are claimed, see the reference to Class 174 in this section below for the particular subclasses to be searched. Also see the reference to Class 220 below.

and cancel the reference to Class 174, and substitute:

Class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, is the generic class for the combination of an electrical device recited by name only (e. g., no significant characteristics of the device are recited, and the device may be a discharge device or lamp) and the separable casing, jacket, shield or enclosure where electrical features are involved such as the lead-in conductors for the device. See section 7 of the class definition of Class 174 for the subclasses in Class 174 which provide for boxes, housings and envelopes in Class 174. These subclasses also provide for the combination with a separable casing, jacket, shield or enclosure where electrical features are claimed. Note especially subclasses 35 and 50.51 in Class 174. See the reference to Class 220 below.

in Section XI, subsection 1, in the reference to Class 173, before the last sentence of the paragraph, insert:

Note that Class 174 provides for boxes and housings including hermetically sealed envelopes such as the envelopes for electric lamps and discharge devices where electrical features are claimed in combination with a separable electric connector or socket. Class 174 provides for such combinations where significant structure of the box or housing is recited in addition to the electrical connector features on the envelope or in the socket or separable connector. Note that in Class 174 in these subclasses the electrical device in the box or housing may be recited by name only. See especially subclasses 17.08 and 50.52+ where the box or housing is a hermetically sealed envelope such as is used for electric lamps or discharge devices.

and in subsection 2, in the reference to Class 173, cancel "Included in Class 173 are envelopes provided with lead-in wires . . ." to the end of the paragraph, and substitute therefor:

See Class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclasses 17+ and 50+ for envelopes, boxes and housings for electric lamps and discharge devices which are of general utility and where electrical features are claimed which are provided with an electrical connector where significant structure of the box, housing or envelope is claimed in addition to the electrical connector structure. See subclasses 17.08 and 50.52+ of Class 174 for hermetically sealed envelopes where significant structure of the envelope is recited in combination with electrical connector structure. These subclasses in Class 174 provide for envelopes having lead-in wires sealed therein which are designed to form contacts (usually plug type contacts) where structure of the envelope in addition to the lead-in wire structure is recited. Note especially subclass 50.53 where the envelope or seal for the envelope is formed of a conductive material and is used as the electrical connector for the device within the envelope. Class 173 also provides for bases per se with electrical contacts. See subclass 359 for lamps and discharge devices with screw type bases and screw type bases, per se, and subclass 361 for lamps and discharge devices with plug type bases and plug type bases, per se.

in Section XII, subsection 2, cancel the reference to Class 174, and substitute:

Class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, is the generic class for boxes, housings, and envelopes for electrical devices including electric lamps and discharge devices where the box, housing or envelope includes means to couple a conductor to the box, housing, or envelope, or has means for passing a lead-in conductor into the box or housing. Class 174 also provides for boxes, housings, and envelopes which are provided with other significant electrical structure or which are claimed as having an electrical device therein where no significant characteristics of the electrical device are recited. See section 7 of the class definition of Class 174 for the particular subclasses which provide for such boxes, housings and envelopes in Class 174, especially subclass 50.5 and the subclasses specified in the notes thereto where the box, housing or envelope is hermetically sealed including such devices as are made of ceramic, vitreous or non-metallic plastic material (e. g., glass), and is provided with lead-in conductors for passing electric current into the interior. Note that if the lead-in conductors are of such rigidity to form contacts (usually plug-type contacts), the device is classified in Class 173 unless significant structure of the device in addition to the connector structure is recited as pointed out in Section XI, 2 above. Any specification of electric lamp or discharge device structure in addition to naming the type of lamp or discharge device will cause classification of the patent in Class 313. Where the claims are drawn to an electrical device broadly defined within the envelope, the patent is classified in Class 174. See section 7 of the class definition of Class 174. Claims which are drawn to a discharge device or electric lamp of a particular type, such as a gas filled discharge device, or an incandescent lamp where only envelope and lead-in structures are claimed are classified in Class 174.

In the section entitled "Index to Classes Referred to in the Previous Sections", under the reference to Class 174, Electricity, Conductors and Insulators, add in order:

Lamp and discharge device envelopes with electrical connector structure	XI, 2
Boxes and housings (e. g., envelopes and casings for lamp and discharge devices) with electric connector	XI, 1, 2
Sub. 17, Boxes and housings with electric connector	XI, 2
Sub. 17.08, Hermetically sealed envelope with electric connector	XI, 2
Sub. 50, Boxes and housings with electric connector	XI, 2
Sub. 50.5, Hermetically sealed envelopes with lead-in conductors	XII, 2
Sub. 50.51, Hermetically sealed envelope with separable casing or jacket	IX
Sub. 50.52+, Hermetically sealed envelope with electrical connector	XI, 2

and cancel:

Sub. 17+, Boxes and housings for use with an electrical device (e. g., lamps or discharge device)	IX
Sub. 65+, Envelopes, boxes and housings having lead-in conductors	XII, 2

in subclass 219, add:

Search Class—

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 50.59, for envelopes with lead-in conductors which are of general utility and which have a shielding means between the lead-in conductors or the joint between the envelope and the lead-in conductor.

in subclass 252, add:

Search Class—

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 50.54, for miscellaneous hermetically sealed envelopes of general application which are limited to electrical use which include means to mount an electrical device within the envelope.

in subclass 284, add:

Search Class—

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 50.54, for miscellaneous hermetically sealed envelopes of general application which are limited to electrical use which include means to mount an electrical device within the envelope.

in subclass 313, under "Search Class", cancel the reference to Class 174, and substitute:

174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 35+, for miscellaneous electrical shields or screens, per se, and for envelopes, boxes and housings which are of general utility (including those similar to those used for electric lamps and discharge devices) which are provided with or include as a part thereof an electromagnetic or electrostatic shielding means, subclass 140+ for insulators provided with conductive means to modify the electrical characteristics of the insulator, including arcing horns, means for preventing the concentration of electrical stresses, means for modifying surface resistance, and grading means for modifying the voltage gradient.

M. C. ROSA,
Executive Examiner.

Classification Order No. 125

The following transfers are hereby directed to take effect on Monday, April 14, 1952:

From Division 13 to C. E. D.:

Class 29, Metal Working, subclasses 26 through 65.

Class 90, Gear Cutting, Milling and Planing, subclasses 1 through 23, and 62.

M. C. ROSA,
Executive Examiner.

Apr. 8, 1952.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,574,076. Insulated Roof and Wall Covering. Patented Nov. 6, 1951. An insulated unit to be applied beneath composition shingles or siding. A strip of felt paper has an integral lateral extension to be folded to overlie a portion of strip. The extension is secured to the strip by a wedge-shaped filler of insulating material (such as sawdust or rock wool) which is bonded together. Each strip has end portions and a bottom edge portion forming flaps. The units are so arranged in courses that the end flaps of each unit overlap portions of adjacent units with the fillers of adjacent units in abutting engagement, and the bottom flaps of the units overlying the upper portions of the units located therebeneath. (Owner) William W. Westphal, 660 Main St., Port Jefferson, N. Y. Groups 22—91; 24—23—31; 26—26—27—28; 32—73—74. Reg. No. 47,425.

The following three patents are owned by Saul Ferri. Correspondence concerning the patents should be directed to Francis P. Keiper, 943 Euclid Ave., Syracuse 10, N. Y.

Pat. 2,542,319. Toe Separating and Directing Device. Patented Feb. 20, 1951. Reg. No. 47,426.

Pat. 2,575,867. Toe Spacing Device. Patented Nov. 20, 1951. Reg. No. 47,427.

Pat. 2,575,868. Toe Spacing Device. Patented Nov. 20, 1951. Reg. No. 47,428.

These three patents relate to corrective devices to be placed in the toe of a shoe to separate the big toe from the other toes. The devices of the two latest patents are adapted for insertion in ready-made shoes.

In Pat. 2,542,319 the separating device is made of heavy leather and is rounded at the forward end to conform to the shape of the inside of a shoe. Rear of device is straight and cut away on the forward side to form a tongue and a shoulder. Device is hollowed out on the side of the big toe and is joined to insole by forcing the tongue into a slot in insole. When shoulder contacts top of insole, the separating device is tightly wedged in the slot.

In Pat. 2,575,867 a plate has a rigid upright central portion which extends from insole to upper of shoe. A rigid wide dome portion extends from upper edge of upright laterally and rearwardly and over and down between outer edge of insole and upper to embrace under surface of the box toe of a shoe. A rigid deck extends laterally from lower edge of other side of upright across insole. The central upright is covered with a soft material.

In Pat. 2,575,868 a single sheet of rigid material is bent to provide a rigid narrow dome, a central upright portion, and a deck. The dome extends from upper edge of upright laterally and rearwardly and over and down between outer edge of insole and the upper. The deck extends laterally from lower edge of upright on opposite side and across the insole. The device may be made so that the dome portion will extend over the big toe with the other toes resting on the deck, or so that the big toe may rest on the deck, and the dome portion extend over the other toes. Groups 26—91; 31—31—32—41; 33—73; 34—41; 39—16—81.

Pat. 2,413,802. Hydrolysis of Ethyl Ether. Patented Jan. 7, 1947. This patent relates to the production of ethyl alcohol by the hydrolysis of ethyl ether in the presence of a catalyst. The catalyst consists of a clay of the smectite type activated by treatment with an acid and washed to remove excess acid and soluble salts. Any suitable apparatus may be used in carrying out the invention. (Owner) Air Reduction Company, Inc., Lincoln Bldg., 60 East 42d St., New York 17, N. Y. Group 28—89. Reg. No. 47,429.

Pat. 2,570,321. Scale for Tightening Corn Planter Wires. Patented Oct. 9, 1951. Device for measuring and tightening check row wires used in the planting of crops. A frame has a stake slidable in one end for anchoring in the ground. Frame has an end wall and an intermediate wall with aligned apertures. A rod slidably mounted in the apertures has a collar supporting a spring for resiliently opposing the operation of the rod. A check row wire may be attached to prongs at one end of rod. Frame is recessed near opposite end to receive an adjustable marker on opposite end of rod to cooperate with indicia on the frame to determine the tension of the wire. (Owner) Donald F. Christoffer, Spirit Lake, Iowa. Group 35—22—65. Reg. No. 47,430.

Pat. 2,574,300. Veneer Gauge. Patented Nov. 6, 1951. A manually operated device for measuring the thickness of lumber, veneer, or the like. A post projects upwardly from a base, and a vertical hollow casing is spaced from and connected to the post by a horizontal brace. A vertical shaft slidable in the casing has a horizontally disposed platen secured to its lower end for movement toward and away from the base. An operating handle is pivoted to upper end of post and shaft for moving the platen into engagement with the article to be measured, whereby a gauge is actuated to indicate the thickness of the article being measured. (Owner) Cecil J. Stone, Sr., 504 Carolina Ave., Bristol, Tenn. Group 35—65. Reg. No. 47,431.

Pat. 2,574,227. Shank Grip Slidable Jaw Wrench. Patented Nov. 6, 1951. A wrench easily adjusted for use as pliers. Tool has a handle with a shank, a fixed jaw, and a movable jaw. A latch plate has an aperture to receive the shank, and parallel sides with sharp edges to grip the shank. A spring biases the latch plate into a second position for easy sliding on the shank. A lever on the movable jaw is spaced from handle so handle and lever may be grasped by hand. Lever has a member rigidly secured thereon and engageable with latch plate for tilting latch plate into shank-gripping position. A set screw on movable jaw may be adjusted to render the spring and latch plate ineffective, so the tool may be used as pliers. Modification given. (Owner) Walter Sarvie, P. O. Box 164, Alexandria, Minn. Group 33—52. Reg. No. 47,432.

Pat. 2,471,361. Machinist's Universal Vise. Patented May 24, 1949. A machinist's universal vise for use on a machine tool to adjust and clamp the angle plate to any desired position for performing the desired work. Angle plate has a series of threaded holes, and a cooperating foot plate has a circular opening with integral shoulder on which a rotatable disk crank is seated. The shank of a headed clamping bolt in the disk crank has threads to cooperate with any one of the angle plate holes, whereby the angle plate may be adjustably clamped to and supported by the foot plate in various angular positions, or the foot plate may be adjustably clamped to and supported by the angle plate. Modification shown. (Owner) Otto F. Trefz, 4422 North Sixth St., Philadelphia 40, Pa. Group 35—43. Reg. No. 47,433.

Pat. 2,498,867. Bevel Protractor. Patented Feb. 28, 1950. Bevel protractor for adjusting the position of a machinist's angle plate. An index plate has a circular aperture from the center of which graduations radiate. Buttons of a cooperating sine bar project laterally and have their centers located on the straight edge. Clamping means slidable in a longitudinal slot in the sine bar secure the bar against the plate in any desired position with one of the buttons inserted in the aperture. A vernier carried by the sine bar has its rear edge parallel to the straight edge of the sine bar which passes through the buttons. (Owner) Otto F. Trefz, 4422 North Sixth St., Philadelphia 40, Pa. Group 35—43—65. Reg. No. 47,434.

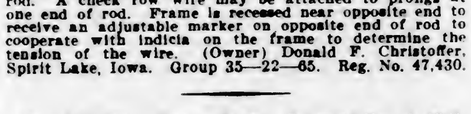
United States Government Owned Patents

The following 16 patents (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are assigned to the United States as represented by the Secretary of Agriculture. Licenses to practice the inventions are issued on a royalty-free, non-exclusive, non-transferable, revocable basis.

Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington 25, D. C.

Pat. 2,555,383. Process for the Preparation of Chlorin E. Patented June 5, 1951. Production of chlorin e, useful as a pharmaceutical. A chlorophyll-bearing plant material is extracted with acetone (chlorophyll solvent), the extract concentrated, and the chlorophyll-rich concentrate saponified by heating with an alkali dissolved in methanol (water miscible solvent), producing the corresponding alkali isochlorophyllin dissolved in methanol. The solution is diluted with water, fats and unsaponifiables are removed, and the remaining solution is acidified with acetic acid to form a precipitate of chlorin e which is separated and purified. Group 28—31—89. Reg. No. 47,435.

Pat. 2,559,660. Cyanoethylation of Alkyl Lactates. Patented July 10, 1951. High-boiling ethers, useful as plasticizers for plastics, of formula



produced by reacting lower alkyl lactates with acrylonitrile in presence of an alkaline catalyst. Group 28—11—34—83—89. Reg. No. 47,436.

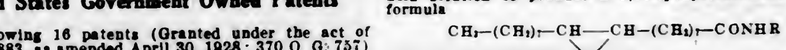
Pat. 2,562,191. Process for Coagulating Synthetic Latices. Patented July 31, 1951. The process of recovering the polymeric constituents from a latex containing 25 to 65% solids produced by aqueous emulsion polymerization of acrylic acid, acrylic acid esters, methacrylic acid esters, vinyl chloride, vinylidene chloride, vinyl acetate, butadiene, acrylonitrile, styrene, or isoprene, in the presence of an emulsifying agent comprising a surface active organic sulfonate emulsifying agent, by adding aluminum sulfate in an amount sufficient to cause creaming but not to cause coagulation of the latex, followed by adding sufficient water to the agitated creamed latex, and vice-versa, to cause coagulation, with the particle size of the coagulum being governed by the temperature of the water. Group 28—31—32—34—83—89. Reg. No. 47,437.

Pat. 2,562,900. Acylating Castor Oil. Patented Aug. 7, 1951. A continuous process of acetylating castor oil which comprises introducing sulfuric acid catalyst, acetic acid anhydride, and castor oil, in the molal ratio of three of the anhydride to one of the oil, preheated to 100°–120° C., into a packed column at 180° C., continuously flowing the reacting mixture downwardly therein, reaction vapors moving upwardly countercurrently, passing the vapors through a reflux zone maintained at about 117°, the acetic acid vapor distilling off continuously, returning the condensate from the reflux zone to the reaction zone, and continuously removing acetylated castor oil from a hot zone (230°–240° C.) below said reaction zone. Group 28—29—31—61. Reg. No. 47,438.

Pat. 2,562,965. Emulsion Polymerization of Long-Chain Vinyl Esters. Patented Aug. 7, 1951. A monomeric vinyl ester of a saturated aliphatic monocarboxylic acid containing 6 to 18 carbon atoms is dispersed in water containing as an emulsifying agent 0.3 to 1.6% (1 to 5% of the vinyl ester) of an anhydrosorbitol ester of a fatty acid having 6 to 18 carbon atoms (sorbitan monolaurate) plus 0.3 to 1.6% of an alkali salt of a sulfated aliphatic alcohol having at least 10 carbon atoms (7-ethyl-2-methyl-4-undecanol). The dispersion is then heated in the presence of a polymerization catalyst at not more than about 100° C. to polymerize the vinyl ester. Group 28—31—32—34—86—89. Reg. No. 47,439.

Pat. 2,565,487. Production of Esters. Patented Aug. 28, 1951. A basic nitrogen salt of an organic carboxylic acid in which N has a valence of 5 (ammonium lactate) is reacted with an alcohol (butyl alcohol) producing an ester of the organic carboxylic acid having an ester group corresponding to that of the alcohol (butyl lactate). In the formed nitrogen compound (NH_3) N has a valence of 3. Formed water is continuously removed, preferably by using excess alcohol and azeotropically distilling water and alcohol from the reaction mixture. Group 28—86—89. Reg. No. 47,440.

Pat. 2,567,237. Amides of 9,10-Epoxystearic Acid. Patented Sept. 11, 1951. An amide of oleic acid having the formula $CH_3-(CH_2)_7-CH=CH-(CH_2)_7-CONHR$ wherein R is hydrogen or an alkyl, hydroxyalkyl, acyl, or aryl group, is reacted with peracetic acid in glacial acetic acid solution to produce a 9,10-epoxystearamide of the formula



wherein R has the same values as above. These products have use as constituents of high-melting point waxes and as intermediates in producing wetting agents and plastics. Group 28—41—83—89. Reg. No. 47,441.

Pat. 2,567,930. Preparation of Epoxy Compounds by Oxidation of Cis-Monoolefine Compounds. Patented Sept. 18, 1951. A straight-chain aliphatic cis-monoolefine compound containing more than four carbon atoms (oleic acid) is mixed with an aliphatic peracid solution of the group consisting of peracetic acid dissolved in glacial acetic acid and perbutyric acid dissolved in butyric acid to break the double bond of the monoolefine compound and add oxygen thereto to form an epoxy compound without otherwise altering the molecular structure of the monoolefine compound. The formed epoxy compounds are useful in the preparation of plastics and rubberlike materials. Group 28—41—83—89. Reg. No. 47,442.

Pat. No. 2,569,502. Epoxidized Oils. Patented Oct. 2, 1951. A triglyceride (animal, vegetable (soybean oil, linseed oil) or synthetic (glyceryl trioleate)) is reacted with an acetic acid solution or peracetic acid at a moderately low temperature converting ethylenic groups of the triglyceride to epoxy groups without otherwise altering the molecular structure of the triglyceride, and the formed epoxidized triglyceride (epoxidized soybean oil, epoxidized linseed oil, epoxidized glyceryl trioleate), which is useful in plastics and as a chemical intermedate, isolated. Group 28—34—83—84. Reg. No. 47,443.

Pat. 2,572,026. Separation of Alpha-Casein From Whole Casein. Patented Oct. 23, 1951. Whole casein is dissolved in an aqueous alkaline medium (0.5 to 15% concentration of casein). A neutral, soluble inorganic salt, for example sodium chloride, (about .05 to .20 molar concentration) and a water miscible solvent (lower alkanol in amount to give concentration of about 25 to 75% by volume) are then added and the pH of the mixture adjusted to 6 to 7. Alpha casein precipitates without precipitation of other casein constituents. Groups 20—25; 28—51—83. Reg. No. 47,444.

Pat. 2,572,846. Process for the Preparation of Full Flavored Fruit Concentrates. Patented Oct. 30, 1951. A two-stage stripping process is used for recovery of volatile flavoring constituents from non-pomaceous fruits such as grapes and strawberries. In the first stage a portion of the juice is flash-distilled at atmospheric pressure and the distillate is further concentrated in a fractionating column to produce a "first essence." In the second stage the stripped liquid residues from the first stage are further stripped by boiling in vacuum for the double purpose of concentrating the juice to a self-preserving consistency and of recovering additional flavoring constituents by fractionating the vapors. This "second essence" may be combined with the "first essence" and the stripped concentrate to produce a full-flavor concentrate. Groups 20—95; 28—89. Reg. No. 47,445.

Pat. 2,572,892. Oxidation of Oleic Acid. Patented Oct. 30, 1951. Oleic acid is oxidized to 9,10-dihydroxystearic acid by dissolving it in twice its weight of acetic acid containing about 0.25% of cobalt as the acetate and contacting the solution (at 50–100° C.) with a free-oxygen-containing gas. The product thus obtained also contains other mono- and dicarboxylic acids having an average chain length of about nine carbon atoms. Groups 28—41—89; 30—51. Reg. No. 47,446.

Pat. 2,572,898. Insecticidal Composition Comprising Nicotine Sulfate and 4,4'-Dichlorodiphenyl Sulfide. Patented Oct. 30, 1951. A new insecticidal composition comprises nicotine sulfate and, as a synergist therefor, 4,4'-dichlorodiphenyl sulfide, preferably in the proportion of 1 to 2.5 parts by weight of sulfate to 1 of sulfide. Group 28—33. Reg. No. 47,447.

Pat. 2,573,699. Process for Making Frozen Concentrated Fruit Juices. Patented Nov. 6, 1951. Process of concentrating and freezing fruit juice. The volatile flavors are first evaporated and recovered as a rich liquid essence. Water is evaporated from the remaining juice to form a concentrate, essence is returned thereto for flavoring, and the product is frozen. Only a small amount of the rich essence is required. Thus the concentrate is only slightly diluted and need not be as highly condensed as when fresh juice is returned thereto for flavoring. Group 20—37. Reg. No. 47,448.

Pat. 2,573,701. Polyethylene Glycol Esters of Acyloxycarboxylic Acids. Patented Nov. 6, 1951. Diethylene, triethylene, or tetraethylene glycol, or a saturated ester thereof containing at least one free hydroxyl group (diethylene glycol sebacate), is heated at reaction temperature with a lower alkyl ester of a lower aliphatic alpha-hydroxymonocarboxylic acid (methyl lactate) with concurrent removal of the alcohol formed, and the resulting glycol ester (diethylene glycol sebacate lactyl lactate)

acylated with acetic or propionic anhydride to produce esters of the formula

$$[(CH_2)_4COO(CH_2)_2O(CH_2)_2OCOCH(CH_3)OCOCH(CH_3)OR]_2$$

where R is acetyl or propionyl, useful as solvents and plasticizers. Group 28—34—83—89. Reg. No. 47,449.

Pat. 2,573,750. Crystallized Fruit Spread and Process for Making Same. Patented Nov. 6, 1951. Smooth-textured, non-gelled fruit spreads are made by evaporating a mixture of fruit, fruit juice, or fruit puree and invert sugar (honey) to a solids content of 80–86%, initiating crystallization by adding crystalline dextrose hydrate, and allowing crystallization to proceed at a temperature below 100° F. (preferably at 55–60°). Suitable fruit components include raspberries, strawberries, cherries, blackberries, peaches, the juice of pineapples, grapes, apricots, oranges or strawberries, and other fruit products commonly used in making jams, jellies, preserves and fruit butters. Group 20—34—95. Reg. No. 47,450.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 6, 1952

[VOL. 658. No. 1]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 566,508. Eastern Clay Products, Inc., Jackson, Ohio, assignor to International Minerals & Chemical Corporation, Chicago, Ill. Filed Oct. 6, 1948.

ECP

For Core and Mold Compositions and Foundry Clays and Sands and Refractory Mixes of the Same.
Claims use since May 1941.

Ser. No. 602,833. Foote Mineral Company, Philadelphia, Pa. Filed Aug. 28, 1950. (Sec. 2f.)

Foote

The words "Mineral Company" are disclaimed. Applicant claims ownership of Registration No. 176,912.
For Ores and Minerals Comprising Beryl; Chrome Ore; Glass Cullet; Lithium Ores Comprising Amblygonite, Spodumene, Lepidolite and Petalite; Magnesite, Hard Burned; Finely Powdered Sericite, Mica; Silica; Sillimanite; Titanium Ores; Cerium Ore (Pollucite); Fluorspar.
Claims use since 1943.

Ser. No. 603,966. Switzer Brothers, Inc., Cleveland, Ohio. Filed Sept. 25, 1950.

DAY-GLO

The word "Glo" is disclaimed. Applicant claims ownership of Registrations Nos. 440,040 and 513,427.
For Plastic Films, Sheets, and Rods and Flock.
Claims use since June 7, 1950.

Ser. No. 616,309. Amherst Fuel Company, Charleston, W. Va. Filed July 11, 1951.

SPITFIRE

Applicant claims ownership of Registrations Nos. 285,165 and 291,868.
For Coal.
Claims use since Sept. 1, 1942.

Ser. No. 618,180. Rayonier Incorporated, New York, N. Y. Filed Aug. 28, 1951.

RAYPHOTO

For Wood Pulp Sheets.
Claims use since Aug. 1, 1951.

Ser. No. 618,639. Island Creek Coal Company, Huntington, W. Va. Filed Sept. 11, 1951.

FIREBRITE

For Coal.
Claims use since Aug. 2, 1951.

Ser. No. 618,867. Thomas Burton Stribling, Jr., doing business under the fictitious name and style of Stribling's Nurseries, Merced, Calif. Filed Sept. 15, 1951.

BLAZING GOLD

For Nursery Stock, and Particularly Fruit Trees.
Claims use since Mar. 1, 1950.

Ser. No. 618,868. Thomas Burton Stribling, Jr., doing business under the fictitious name and style of Stribling's Nurseries, Merced, Calif. Filed Sept. 15, 1951.

GOLD DUST

For Nursery Stock, and Particularly Fruit Trees.
Claims use since Mar. 1, 1950.

Ser. No. 618,869. Thomas Burton Stribling, Jr., doing business under the fictitious name and style of Stribling's Nurseries, Merced, Calif. Filed Sept. 15, 1951.

S-37

For Nematode Resistant Root Stock for Fruit Trees or the Like.
Claims use since May 1, 1946.

Ser. No. 623,698. American Anthracite & Bituminous Coal Corporation, New York, N. Y. Filed Jan. 17, 1952.

ANBITCOAL

For Coal.
Claims use since Nov. 24, 1950.

CLASS 2

RECEPTACLES

Ser. No. 606,098. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")

WESTINGHOUSE

Applicant claims ownership of Registrations Nos. 103,016, 103,017, and others.
For Trays Constructed of Fibrous Material With a Heat-Hardened Binder; and Fibrous Dust Collecting Bags for Vacuum Cleaners.
Claims use since June 1, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 578,995. Portland Woolen Mills, Inc., Portland, Oreg. Filed May 17, 1949.

WOOL O' THE WEST

The word "Wool" is disclaimed. Applicant claims ownership of Registrations Nos. 390,207 and 507,181.
For Carrying Cases for Blankets.
Claims use since Jan. 5, 1949.

CLASS 7

CORDAGE

Ser. No. 614,776. Hubbs Corporation, Baltimore, Md. Filed June 5, 1951.

ORIOLE

For Wrapping Cord and Twine.
Claims use since May 1906.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 600,602. McDonald Products Corporation, Buffalo, N. Y. Filed July 13, 1950.

DUK-IT

Applicant claims ownership of Registration No. 354,700.
For Ash Trays and Receptacles; Smoking Stands for Use on Tables and the Like; Cigar, Cigarette and Tobacco Humidors, Trays, and Holders; and Pipe Racks.
Claims use since June 26, 1934.

Ser. No. 609,440. Evans Case Co., North Attleboro, Mass. Filed Jan. 31, 1951.

EVANS

The word "Evans" is disclaimed. Applicant claims ownership of Registrations Nos. 502,484, 509,211, and 511,004.
For Cigarette Cases and Pyrophoric Cigarette Lighters and Combination Cigarette Cases and Pyrophoric Cigarette Lighters.
Claims use since May 1949.

CLASS 10

FERTILIZERS

Ser. No. 619,898. O. M. Scott & Sons Company, Marysville, Ohio. Filed Oct. 11, 1951. (Sec. 2f.)

Scotts

For Fertilizers for the Farm, Golf Courses, and Lawns.
Claims use since August 1928.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 615,809. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed June 28, 1951.

S. F.

For Ink for Duplicating Machines.
Claims use since Sept. 15, 1949.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 539,714. Kling-Tite Paint Products Company, Chicago, Ill. Filed Oct. 31, 1947.

GRANITO

For Pourable Asphaltic Base Material Containing Crushed Granite and Other Minerals to Which Cement Must Be Added, for Use as a Resurfacing Material in the Re-Leveling of Floors and the Like.
Claims use since 1941.

Ser. No. 560,214. Plasticraft Company, Leominster, Mass., now by change of name Universal Veilcot Co. Filed June 25, 1948.

Veilcot

For Wall Covering Material in the Form of Molded Sectional Panels.
Claims use since May 6, 1948.

Ser. No. 577,086. Waltile Company, Grand Rapids, Mich. Filed Apr. 13, 1949.

Ever Endur
ALUMINUM
WALTILE

The lining indicates shading only. The wording "Aluminum Waltile" is disclaimed.
For Metallic Tiles.
Claims use since Mar. 7, 1949.

Ser. No. 577,694. Texas Concrete Products Corporation, Austin, Tex. Filed Apr. 25, 1949.

TEXCON

For Molded Concrete Structural Members and Slabs.
Claims use since January 1947.

Ser. No. 593,781. Carpenter and Paterson Inc., Boston and East Boston, Mass. Filed Mar. 11, 1950.

"WITCH"

Applicant claims ownership of Registrations Nos. 200,902, 259,720, and 260,088.
For Roof Flanges or Flashings.
Claims use since Nov. 1, 1908.

Ser. No. 599,091. Haskelite Manufacturing Corporation, Grand Rapids, Mich. Filed June 14, 1950.

ARCH-KOR

The term "Kor" is disclaimed.
For Doors.
Claims use since Sept. 6, 1949.

Ser. No. 603,782. Georgia-Pacific Plywood & Lumber Co., Augusta, Ga. Filed Sept. 20, 1950.

GPX

For Plastic-Faced Plywood.
Claims use since May 12, 1949.

Ser. No. 604,608. Weyerhaeuser Timber Company, Tacoma, Wash. Filed Aug. 5, 1950.

SILVAWOOL

The word "Wool" is disclaimed.
For Chemically Impregnated Wood Fiber for Use as Insulation Material.
Claims use since July 28, 1949.

Ser. No. 605,830. The American Wood Window Institute, Inc., Memphis, Tenn. Filed Oct. 30, 1950. CERTIFICATION MARK.

QUALITY APPROVED
The American Wood Window Institute Inc.

The words "Quality Approved" and "Wood Window Institute, Inc." are disclaimed.
For Wood Windows.
Claims use since Sept. 12, 1950.

Ser. No. 613,480. Selection Engineering Company Limited, London, England. Filed May 3, 1951.

SECO

Applicant claims ownership of British Registration No. 626,022, dated Oct. 28, 1943.
For Prefabricated Houses.

Ser. No. 613,481. Selection Engineering Company Limited, London, England. Filed May 3, 1951.

UNI-SECO

Applicant claims ownership of British Registration No. 627,553, dated Feb. 8, 1944.
For Prefabricated Houses.

Ser. No. 614,046. The Flintkote Company, New York, N. Y. Filed May 18, 1951.

BLACK KNIGHT

The word "Black" is disclaimed.
For Roofing Granules and Roofing Shingles and Roll Roofing Surfaced With Such Roof Granules.
Claims use since Apr. 13, 1951.

Ser. No. 615,218. Great Lakes Carbon Corporation, New York, N. Y. Filed June 15, 1951.

GRELLEX

For Expanded Perlite Aggregate Used (1) in Concrete, Plaster, Prefabricated Building Materials Such as Cement Block, Boards, Slabs, (2) as Bulk Insulation, and (3) as

an Additive to Cement for Oil Well Completion and to Drilling Muds Employed in Drilling of Oil and Gas Wells.
Claims use since Apr. 30, 1951.

Ser. No. 615,465. The Ruberoid Co., Bound Brook, N. J., and New York, N. Y. Filed June 20, 1951.

GRAIN-TEX

The word "Grain" is disclaimed.
For Asbestos-Cement Siding.
Claims use since June 8, 1951.

Ser. No. 615,467. The Ruberoid Co., Bound Brook, N. J., and New York, N. Y. Filed June 20, 1951.

SHAKE-TEX

The word "Shake" is disclaimed.
For Asbestos-Cement Siding.
Claims use since June 8, 1951.

Ser. No. 619,159. Great Lakes Carbon Corporation, New York, N. Y. Filed Sept. 24, 1951.

KAYCRETE

For Expanded Perlite as an Aggregate for and in Admixture With Refractory Cements and Concrete.
Claims use since June 15, 1951.

Ser. No. 619,302. The Lane Company, Inc., Altavista, Va. Filed Sept. 27, 1951.

LANEWOOD

For Composition Board Used as a Substitute for Lumber.
Claims use since May 25, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 596,422. Arthur E. Henley, Morrisville, Pa. Filed Apr. 27, 1950.

Henley's Handy Hangers
3 HH BRAND

The words "Henley's Handy Hangers" and "Brand" are disclaimed.
For Curtain Rod Hangers.
Claims use since Jan. 16, 1950.

Ser. No. 609,820. Stanley Home Products, Inc., Westfield, Mass. Filed Feb. 8, 1951.

SILENT MAID

For Toilet Bowl Dispensers for Mounting in a Toilet Tank and for the Dispensing of a Cleaner for the Tank, Bowl, and Other Components of a Toilet Upon the Flushing Thereof.
Claims use since Dec. 7, 1950.

Ser. No. 612,661. Joe Lowe Corporation, New York, N. Y. Filed Apr. 14, 1951.

POLKA DOT

Applicant claims ownership of Registration No. 342,162.
For Handle Sticks for Confectionery Products Sold Separately From Said Products.
Claims use since Apr. 3, 1951.

Ser. No. 621,735. Talon, Inc., Meadville, Pa. Filed Nov. 27, 1951.

TALONETTE

Applicant claims ownership of Registration No. 243,746.
For Slide Fasteners.
Claims use since Nov. 7, 1951.

Ser. No. 621,736. Talon, Inc., Meadville, Pa. Filed Nov. 27, 1951.

MIRO-GLO

For Slide Fasteners.
Claims use since Oct. 31, 1951.

Ser. No. 621,797. American Rubber Products Corporation, New York, N. Y. Filed Nov. 29, 1951.

Plumbob

For Flush Tank Balls.
Claims use since Nov. 21, 1951.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 564,079. The Lincoln Oil & Paint Company, Cleveland, Ohio. Filed June 19, 1948.

"HONEST ABE"

Applicant claims ownership of Registration No. 243,335.
For Ready-Mixed Paints, Varnishes, Enamels, Roof or Surface Coatings, and Preservers in the Nature of Paints and Paint Pigments.
Claims use since January 1922.

Ser. No. 564,560. Commercial Chemical Company, Los Angeles, Calif. Filed Sept. 2, 1948.

LITHITEX

For Oil Plastic Base Pigmented Wall Coating Containing Silica.
Claims use since Feb. 15, 1948.

Ser. No. 582,702. The Simoniz Company, Chicago, Ill. Filed July 29, 1949.

SIMONIZ

Applicant claims ownership of Registrations Nos. 104,517 and 137,701.
For Hard Paste Waxlike Material for Providing a Coating or Film, Particularly for Protective and Preservative Purposes, and for Use on Automobiles, Furniture, and the Like.
Claims use since May 28, 1918.

Ser. No. 601,415. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Filed July 29, 1950. (Sec. 2f.)

RANGOON

For Dry Colors and Pigments in the Dry State and as a Paste Ground Into Vehicles for Use in Paints, Enamels, Lacquers, Plastic Paints, and Coatings for Canvas.
Claims use since Aug. 1, 1935.

Ser. No. 609,336. The Don-Ite Company, St. Louis, Mo. Filed Jan. 27, 1951.

Don-ite

For Lacquers Including Filler Coat and Finish Coat, Thinner and Retarder for the Same, All Especially Adapted for Coating Shoe Heels.
Claims use since Nov. 1, 1947.

Ser. No. 617,321. Standard Varnish Works, Staten Island, N. Y., now by change of name Standard-Toch Chemicals, Inc. Filed Aug. 3, 1951.

Simuplate

For Varnish Type Coating.
Claims use since July 25, 1951.

Ser. No. 618,825. The Thresher Paint and Varnish Company, Dayton, Ohio. Filed Sept. 14, 1951. (Sec. 2f.)

THRESHER

For Liquid Paints, Liquid Paint Enamels, Liquid Paint Undercoats, Liquid Varnish Stains, and Liquid Lacquers.
Claims use since July 1921.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 580,119. Bayuk Cigars Incorporated, Philadelphia, Pa. Filed June 8, 1949. (Sec. 2f.)

BAYUK
PHILADELPHIA

Applicant claims ownership of Registrations Nos. 214,530, 251,776, and others.
For Cigars.
Claims use since Nov. 1, 1912.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 527,001. Electronized Chemicals Corporation, New York, N. Y. Filed July 5, 1947.

ELECTRONIZED

For Sterilized Drugs.
Claims use since June 1, 1947.

Ser. No. 572,209. Miguel A. Romero, Sr., doing business as Santa Rita Medicine Co., Las Vegas, N. Mex. Filed Jan. 14, 1949.

SANTA RITA

For Eye Drops, Laxative Compounds, Stomachic Appetizers, and Liniments.
Claims use since June 1, 1933.

Ser. No. 578,723. Sutliff & Case Co., Inc., Peoria, Ill. Filed May 12, 1949.

BLEXICON

For Vitamin B-Complex Preparation for Vitamin B-Complex Deficiency.
Claims use since Feb. 25, 1946.

Ser. No. 581,437. The E. L. Patch Company, Stoneham, Mass. Filed July 1, 1949.

ALZINOX

For Tablets of Dihydroxy Aluminum Aminoacetate Useful as an Antacid.
Claims use since Sept. 17, 1948.

Ser. No. 584,555. E. R. Squibb & Sons, New York, N. Y. Filed Sept. 7, 1949.

TRIGESIC

For Analgesic Preparations.
Claims use since Aug. 8, 1949.

Ser. No. 598,116. Sofia del Busto Razon, doing business under the name of Laboratories Busto, Madrid, Spain. Filed May 25, 1950.

Gomeral

Applicant claims ownership of Spanish Registration No. 69,474, dated Oct. 17, 1928.
For Medicine for the Treatment of Broncho-Pulmonary Affections.

Ser. No. 598,498. Philadelphia Ampoule Laboratories, Philadelphia, Pa. Filed June 2, 1950.

INTRAVITE-C

The letter "C" is disclaimed.
For Liquid Preparation Containing Water-Soluble Vitamins for Hypodermic Injection.
Claims use since February 1950.

Ser. No. 598,499. Philadelphia Ampoule Laboratories, Philadelphia, Pa. Filed June 2, 1950.

VIBRUMIN

For Aqueous Solution of Vitamin B-12 Prepared for Hypodermic Injection.
Claims use since Apr. 1, 1950.

Ser. No. 600,898. Eli Lilly and Company, Indianapolis, Ind. Filed July 19, 1950.

RETICULEX

Applicant claims ownership of Registration No. 353,671.
For Medicinal Preparation of Liver, Iron, and Vitamins Used in the Treatment of Anemias.
Claims use since May 29, 1950.

Ser. No. 601,340. E. R. Squibb & Sons, New York, N. Y. Filed July 27, 1950.

TRIFLORYL

For Antimalarial Preparation.
Claims use since May 9, 1950.

Ser. No. 606,732. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Nov. 21, 1950.

TRACIMIX

Applicant claims ownership of Registrations Nos. 522,778, 522,405, and 526,129.
For Antibiotic Preparation.
Claims use since Oct. 9, 1950.

Ser. No. 608,086. Will Ross, Inc., Milwaukee, Wis. Filed Dec. 26, 1950.

AREX

For Sterile Lubricating Jelly for Use on Hospital Instruments.
Claims use since Oct. 31, 1950.

CLASS 19

VEHICLES

Ser. No. 617,474. American Brake Shoe Company, New York, N. Y. Filed Aug. 9, 1951.

AMSCO

For Tail Skid Shoes for Airplanes; Wheels, and Liners for Charging Buggies, Larry Cars, Scale Cars, Skip Cars and Mine Cars; Wearing Plates for Railroad Cars; Wheels for Detector Cars; and Body Liners for Automotive Trucks; and Wheel Rims.
Claims use since October 1915.

Ser. No. 619,060. American Bosch Corporation, Springfield, Mass. Filed Sept. 21, 1951. (Sec. 2f as to "American Bosch.")

AMERICAN AB BOSCH

Applicant claims ownership of Registrations Nos. 284,429, 293,203, and others.
For Electrically Operated Windshield Wipers.
Claims use since Apr. 14, 1944.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 618,077. Armstrong Cork Company, Lancaster, Pa. Filed Aug. 25, 1951.

ACCOTRED

Applicant claims ownership of Registration No. 350,575.
For Floor Covering Comprising an Elastomeric Wearing Surface on a Base of Saturated Felt.
Claims use since Apr. 30, 1951.

Ser. No. 619,951. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Filed Oct. 12, 1951.

TREN-FLEX

For Hard Surface Floor and Wall Covering of the Nature of Linoleum.
Claims use since Aug. 31, 1951.

Ser. No. 619,952. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Filed Oct. 12, 1951.

TRENTONE

For Hard Surface Floor and Wall Covering of the Nature of Linoleum.
Claims use since Aug. 31, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 580,021. Mages Sport Stores, Inc., Chicago, Ill. Filed June 6, 1949.

Mages
The Stores for Sport

The words "The Stores for Sport" are disclaimed.
For Athletic and Sporting Goods—Namely, Archery Bows, Arrows, and Targets; Tennis, Squash, and Badminton Racquets, Balls, Shuttlecocks, and Nets; Baseball and Softball Bats, Balls, Gloves, Masks, and Nets; Bowling Equipment—Namely, Bowling Balls, Bags, Footballs, Basketballs, Handballs, Volley Balls, Soccer Balls; Punching Bags; Golf Bags, Balls, and Clubs; Exercising Apparatus—Namely, Barbells, Cable Chest Pulls, Foot Stirrups, Rowing Machines, Wrist Grips, Wall Pulleys, Rubber Chest Pulls, Skip Ropes, Boxing Swivels, Striking Bags, Striking Bag Platforms, Wall Exercisers, and Exercising Bicycles; Hunting and Fishing Supplies—Namely, Artificial Duck Decoys, Bird Calls, Fishing Rods, Reels, Lines, Tackle Boxes, Artificial Flies, and Artificial Fish Lures; Game Sets for Playing Chess, Checkers, Backgammon, Croquet, Shuffleboard, Darts, and Horse Shoes.
Claims use since March 1924 as to "Mages"; and since May 1, 1947, as to the mark including the words "The Stores for Sport."

Ser. No. 581,629. Tulsa Fishing Tackle Company, Tulsa, Okla. Filed July 7, 1949.

BIZZY-BEE

The word "Bee" is disclaimed.
For Artificial Fish Baits.
Claims use since May 10, 1948.

Ser. No. 589,990. Robert S. Ricketts, doing business as Balboa Enterprises, Balboa, Calif. Filed Dec. 27, 1949.

GORDY
The Sea Frog

The words "Sea" and "Frog" are disclaimed.
For Dolls in the Form of Fanciful Toy Animal Figures.
Claims use since Aug. 20, 1949, as to the form shown; and since July 16, 1949, in a different form.

Ser. No. 597,749. John T. Gibbs, Seaside, Oreg. Filed May 19, 1950.

Fascination

For Pin Ball Machine.
Claims use since Dec. 18, 1930.

Ser. No. 601,641. Radio Steel & Mfg. Co., Chicago, Ill. Filed Aug. 2, 1950.



The words "Flyer" and "Line," and the representations of the wagon and globe are disclaimed, but not the fanciful figure of the boy.
For Coaster Wagons and Scooters.
Claims use since May 24, 1950, as to the mark shown; and since 1919 as to the word "Radio."

Ser. No. 602,553. The Fuller Brush Company, Hartford, Conn. Filed Aug. 22, 1950.

"TURFMASTER"

For Golf Tees.
Claims use since July 19, 1950.

Ser. No. 602,670. E. L. Blair & Son, Williamsport, Pa. Filed Aug. 24, 1950.

KILLER CRAB

For Artificial Fishing Lures.
Claims use since June 15, 1947.

Ser. No. 603,459. Rempel Manufacturing, Inc., Akron, Ohio. Filed Sept. 12, 1950. (Sec. 2f—Additional evidence.)

REMPEL

For Hollow Rubber Toys in the Nature of Molded or Cast Representations of Human and Animal Figures.
Claims use since Dec. 15, 1948.

Ser. No. 603,843. Glo-Lure, Inc., Medford, Wis. Filed Sept. 21, 1950.

Sling Bow

The word "Sling" is disclaimed.
For Toy or Sporting Apparatus for Projecting Articles Consisting of a Support to Which Is Attached Stretchable Means by Which an Arrow or Other Object May Be Projected Therefrom.
Claims use since Apr. 18, 1950.

Ser. No. 608,986. Empire Sporting Goods Manufacturing Co., Inc., New York, N. Y. Filed Jan. 19, 1951.

EMPIRE

For Sport Accessories—Namely, Football Hip Pads, Football Thigh Guards, Football Shoulder Guards, Basketball Knee Guards, Baseball Sliding Pads, Basketball Elbow Pads.
Claims use since Sept. 1, 1930.

Ser. No. 611,456. Shoe Corporation of America, Columbus, Ohio. Filed Mar. 16, 1951.

Silver Skate

The word "Skates" is disclaimed.
For Ice Skates and Roller Skates.
Claims use since Mar. 12, 1951.

Ser. No. 611,909. Annie Oakley Enterprises, Los Angeles, Calif., assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif., a corporation of California. Filed Mar. 28, 1951.

ANNIE OAKLEY

Among other meanings, the words "Annie Oakley" were the pseudonym of the famous woman sharpshooter, Phoebe Mozee, now deceased.
For Dolls, Toy Pistols, Games Played With Darts, and Bows and Arrows.
Claims use since Mar. 6, 1951.

Ser. No. 617,060. Sayco Doll Corp., Brooklyn, N. Y. Filed July 27, 1951.

·TRICKIE TOT·

For Dolls.
Claims use since June 25, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 509,443. The Peck, Stow & Wilcox Company, Southington, Conn. Original filed, act of 1905, Sept. 20, 1946; amended to application under act of 1946, Principal Register, June 15, 1950. (Sec. 2f.)

SAMSON

Applicant claims ownership of Registration No. 80,437.
For Expansive Bits, Braces, Drills, Hammers, Pliers, Snips, Wrenches, and Screw Drivers.
Claims use since 1914.

Ser. No. 524,201. The Osborn Manufacturing Company, Cleveland, Ohio. Original filed, act of 1905, June 14, 1947; amended to application under act of 1946, Principal Register, Oct. 15, 1947. (Sec. 2f—Additional evidence.)

DISC-CENTER

For Brushes Forming Parts of Industrial Machines Brushes for Mounting Upon Shafting, Power Operated Rotary Brushes for Polishing and Cleaning, and Sections and Parts of Such Brushes.
Claims use since 1931.

Ser. No. 546,926. Groov-Pin Corporation, Union City, N. J. Filed Sept. 9, 1947. (Sec. 2f—Additional evidence.)

GROOV-PIN

Applicant claims ownership of Registration No. 403,015.
For Tapered, Grooved Metal Pins for Securing Parts of Machinery Together.
Claims use since July 1, 1926.

Ser. No. 553,321. Towner Manufacturing Co., Santa Ana, Calif. Filed Mar. 29, 1948. (Sec. 2f.)



The words "Tillage Tools" are disclaimed.
For Offset Disc Harrows, Cultivator Chassis and Attachments—Namely, Harrow, Cultivator, Ridger, Chisel, and Furrower.
Claims use since Dec. 31, 1929.

Ser. No. 553,553. United Engineering and Foundry Company, Pittsburgh, Pa. Filed Mar. 31, 1948.

UNITED

For Rolling Mill Pressure Meters and Rolling Mill Machinery and Parts Thereof, Sold as a Unit for Processing, by a Rolling Operation, Metal Strip, Tubes, Rods, Sections, and the Like.
Claims use since Jan. 11, 1923.

Ser. No. 553,635. New Method Equipment Company, Indianola, Iowa. Filed Apr. 1, 1948.

DUMPMASTER

For Belt Chain Driven Platform Lift for Raising the Front Wheels of a Truck or Wagon To Dump Same.
Claims use since Oct. 6, 1947.

Ser. No. 559,857. National Pressure Cooker Company, Eau Claire, Wis. Filed June 21, 1948. (Sec. 2f—Additional evidence.)

Martin Motors

The word "Motors" is disclaimed.
For Outboard Motors.
Claims use since Apr. 24, 1946.

Ser. No. 576,139. Shuron Optical Company, Inc., Geneva, N. Y. Filed Mar. 26, 1949.

Shuron

Applicant claims ownership of Registrations Nos. 321,012 and 355,364.
For Lens Grinding, Surfacing, Polishing, and Edging Machines; Metal Laps for Grinding and Polishing Lenses; Lap Cutting Machines; Lens Cutters; Guides or Formers for Use on Lens Edging Machines and Lens Cutters; Lens Drills; Lens Screw Finishing Machines; Lens Blocks or Bodies for Mounting Lenses; Lens Blocking Devices for Assisting in Correctly Locating Lens Blanks on Lens Blocks; Shapers for Shaping the Eyewires of Spectacle Frames; Truing Vises for Angling the Endpieces of Spectacles; and Small Hand Tools Particularly Intended for Ophthalmic Laboratories—Namely, Hammers, Snips, Screw Drivers, Tweezers, Pliers, Broach Holders, Files, and Reamers.
Claims use since August 1900 as to the mark "Shur-On"; since February 1931 as to the mark "Shuron" without the hyphen; and since August 1948 as to the mark shown in the particular script form.

Ser. No. 585,226. Goldblatt Bros. Inc., Chicago, Ill. Filed Sept. 23, 1949.

STITCH MASTER

The word "Stitch" is disclaimed.
For Sewing Machines for Household Use.
Claims use since Jan. 3, 1939.

Ser. No. 598,832. Chattanooga Welding & Machine Co., Chattanooga, Tenn. Filed June 9, 1950.

TYE-O-MAT

The word "Tye" is disclaimed.
For Automatic Tying Apparatus for Attachment to Hay Balers.
Claims use since May 16, 1950.

Ser. No. 602,549. The Dorr Company, Stamford, Conn. Filed Aug. 22, 1950. (Sec. 2f as to "Dorr.")

DORRCLONE

Applicant claims ownership of Registrations Nos. 205,320, 285,418, and others.
For Machines for Treating Solids Suspended in Liquids by Use of Centrifugal Forces.
Claims use since June 21, 1950, on the mark as shown; and since July 3, 1914, on the word "Dorr."

Ser. No. 604,475. Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Filed Oct. 5, 1950.

+GF+

Applicant claims ownership of Swiss Registration No. 103,840, dated Feb. 25, 1943, and United States Registration No. 331,888, dated Jan. 21, 1936.
For Horizontal and Vertical, Non-Automatic, Semi-Automatic, and Automatic Lathes and Turning Machines, Milling Machines, Boring Machines, Grinding Machines, Chucks and Work Drivers, Metal Cutting Tools, All Being Machine Tools; Band Saws, Planing Machines, Wood Shapers, Moulding Machines, Circular Saws, Saw Benches, Crosscut Saws, Tenoning Machines, Chain Mortisers, Chisel Mortisers, Planer Iron Grinders, Dovetailing Machines, All Being Machines for Working Wood; Veneer Edge Gluing and Jointing Machines, Veneer Size Clippers, Veneer Presses, Being Machines for the Manufacture of Ply-Wood.

Ser. No. 610,505. Badger Machine Company, Winona, Minn. Filed Feb. 26, 1951.

HOPTO DIGGER

The word "Digger" is disclaimed.
For Machinery—Namely, Hydraulically Operated Power Diggers.
Claims use since Apr. 12, 1949.

Ser. No. 610,651. White Sewing Machine Corporation, Cleveland, Ohio. Filed Feb. 28, 1951. (Sec. 2f as to the word "White.")



The words "Sewing Machines" are disclaimed. Applicant claims ownership of Registrations Nos. 22,957, 56,294, and others.
For Sewing Machines, Electric Sewing Machines and Parts Thereof.
Claims use since Aug. 3, 1949, as to the mark shown; and since Nov. 15, 1938, as to the word "White."

Ser. No. 610,721. The Standard Stoker Company, Inc., New York, N. Y., now by change of name Read Standard Corporation, a corporation of Delaware. Filed Mar. 1, 1951.

WIDGET

For Automatic Rack Loaders and Unloaders, for Loading and Unloading of Baking Pans on Racks.
Claims use since Jan. 9, 1951.

Ser. No. 614,388. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Apr. 28, 1951. (Sec. 2f.)

MOTOR BLOWER

Applicant claims ownership of Registration No. 396,895.
For Single and Multi-Stage Low Pressure Centrifugal Air and Gas Compressors.
Claims use since July 9, 1940.

Ser. No. 617,903. Abgro, Inc., New York, N. Y. Filed Aug. 21, 1951.

GOLD CROWN

For Sewing Machine Needles.
Claims use since Jan. 16, 1951.

Ser. No. 618,132. Raymond H. Starr, doing business as Koch Supplies, Kansas City, Mo. Filed Aug. 27, 1951.

RAZEX

For Dehairing Machines Used for Removing Hair and Bristles From the Carcasses of Animals.
Claims use since Aug. 2, 1951.

Ser. No. 619,076. The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Filed Sept. 21, 1951.

PERMA-STEEL

The word "Steel" is disclaimed.
For Meat Chopper Knives and Blades.
Claims use since Sept. 5, 1951.

Ser. No. 619,274. Union Carbide and Carbon Corporation, New York, N. Y. Filed Sept. 26, 1951. (Sec. 2f.)

HAYNES

Applicant claims ownership of Registrations Nos. 269,174 and 269,549.
For Blades and Cutters for Milling, Turning, and the Like Metal-Working Machinery.
Claims use since 1945.

Ser. No. 619,509. Hyster Company, Portland, Oreg. Filed Oct. 2, 1951. (Sec. 2f.)

SPACE SAVER

Applicant claims ownership of Registration No. 431,365.
For Lift Trucks (I. e., Self-Propelled Machines Equipped With Lifting Mechanisms Which Are Used To Pick Up, Transport and Deposit Objects and Piles of Objects Engaged by Such Lifting Mechanisms).
Claims use since June 1, 1945.

Ser. No. 619,511. Indestro Manufacturing Corp., Chicago, Ill. Filed Oct. 2, 1951. (Sec. 2f.)

KLIP TITE

Applicant claims ownership of Registration No. 359,113.
For Conventional Open-End Wrenches and Sets Thereof, Conventional Box-End Wrenches and Sets Thereof, Coventional Box-Open-End Wrenches and Sets Thereof, and Tappet Wrenches and Sets Thereof.
Claims use since Mar. 8, 1937.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 618,552. Radiant Glass Appliance Corp., New York, N. Y. Filed Sept. 8, 1951.

Dri-Master

The word "Dri" is disclaimed. Applicant claims ownership of Registration No. 402,603.
For Electric Laundry Dryers for Household Use.
Claims use since July 16, 1951.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 516,914. E. Paillard & Cie S. A., Sainte-Croix and Yverdon, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited). Original filed, act of 1905, Feb. 4, 1947; amended to application under act of 1946, Principal Register, Feb. 20, 1948. (Sec. 2f.)

paillard

Applicant claims ownership of Registrations Nos. 392,299, 392,300, and 393,838.
For Cameras of All Types, Including Cameras for Taking Silent and Sound Moving Pictures; Postage Franking and Metering Machines; Bookkeeping Machines, Photostat Machines.
Claims use since Jan. 1, 1931, in Switzerland; and first used in commerce between the United States and Switzerland in 1941.

Ser. No. 610,299. Silge & Kuhne, San Francisco, Calif. Filed Feb. 19, 1951.

ORTHOPHOT

For Photomicrographic Equipment Comprising a Camera, Illuminator, and Stand.
Claims use since May 18, 1949.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 617,693. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

Brixsome

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 617,696. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

Concerto

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 617,698. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

Gaiety

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 617,699. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

Ivanhoe

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 617,700. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

Melody

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 617,701. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

Minor

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 617,704. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

Rhapsody

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 617,708. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 15, 1951.

The Vacationer

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 23, 1951.

Ser. No. 618,789. General Time Corporation, New York, N. Y., and La Salle, Ill. Filed Sept. 14, 1951.

MELODY

For Clocks and Watches.
Claims use since July 17, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 598,179. The H. M. H. Co., Pawtucket, R. I. Filed May 26, 1950.

CONTOUR LINK

The word "Link" is disclaimed.
For Rosary.
Claims use since Mar. 17, 1943.

Ser. No. 608,165. Jacoby-Bender, Inc., New York, N. Y. Filed Dec. 28, 1950.

WARDROBE OF WATCH BANDS

The words "Of Watch Bands" are disclaimed.
For Group of Bracelets for Watches Sold Separately From the Watches and in a Single Container.
Claims use since Dec. 18, 1950.

Ser. No. 611,412. Dean & Gould Bros., Inc., Kansas City, Mo. Filed Mar. 16, 1951.

Queensize
"A DIAMOND RING FIT FOR A QUEEN"

The words "A Diamond Ring Fit for a Queen" are disclaimed. The drawing is lined for shading.
For Finger Rings.
Claims use since Mar. 30, 1948.

Ser. No. 613,323. Roselyn K. Duncan, Atlanta, Ga. Filed Apr. 30, 1951.

THE BROKEN CHAIN

The words "Designed Exclusively for Widows" and the representation of the goods are disclaimed.
For Finger Rings.
Claims use since Mar. 23, 1951.

Ser. No. 615,635. Benjamin & Edward J. Gross Co., Inc., New York, N. Y. Filed June 25, 1951.

ROR

For Finger Rings and Mountings Therefor.
Claims use since 1935.

Ser. No. 616,040. M. S. Company, Attleboro, Mass. Filed July 3, 1951.

M S Co.

Applicant claims ownership of Registration No. 145,162.
For Jewelry for Personal Adornment—Namely, Waldemar Chains, Dickens Chains, Sautoirs, Neck Chains, Bracelets, and the Following Items Made in Whole of, in Part of, or Plated With Precious Metal—Namely, Dog Tag Chains, Key Chains, Bead Chains, Spring Rings, Swivels, Bars, Beads, Jump Rings, Earwires, Slides, Fob Clips, Snaps, Sister Hooks, Tripods, and Tassels.
Claims use since Jan. 1, 1915.

Ser. No. 616,065. Swiss Watch Dial Co., Inc., New York, N. Y. Filed July 3, 1951.

GENDARME

For Wrist-Bands for Wrist Watches.
Claims use since May 8, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 610,536. Anro Products Company, Inc., Chicago, Ill., assignor to Dish-Doo Dishwasher, Inc., Chicago, Ill., a corporation of Illinois. Filed Feb. 27, 1951.

dish doo

The term "Dish" is disclaimed.
For Fountain Brushes.
Claims use since Nov. 1, 1950.

Ser. No. 615,572. Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Filed June 22, 1951.

PRO "59"

Applicant claims ownership of Registrations Nos. 349,120, 350,239, and 385,097.
For Tooth Brushes.
Claims use since Nov. 13, 1950.

Ser. No. 616,671. Johnson & Johnson, New Brunswick, N. J. Filed July 19, 1951.

Multi-Soft

"Soft" is disclaimed.
For Brushes—Namely, Toothbrushes.
Claims use since May 25, 1951.

Ser. No. 617,989. Golden State Brush Company, North Hollywood, Calif. Filed Aug. 23, 1951.



For Paint Brushes.
Claims use since Jan. 20, 1951.

Ser. No. 618,398. Malden Mop and Brush Company, Everett, Mass. Filed Sept. 5, 1951.

VACU-MAGNET

For Dust-Mops.
Claims use since December 1950.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 615,952. Technical Porcelain and China Ware Co., El Cerrito, Calif. Filed June 30, 1951.

TEPCO

Applicant claims ownership of Registration No. 547,926.
For Household, Hotel, and Restaurant Table Chinaware.
Claims use since July 1922.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 616,477. General Electric Company, Schenectady, N. Y. Filed July 14, 1951.

Redi-cube

The word "Cube" is disclaimed.
For Freezing Trays.
Claims use since November 1950.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 601,484. Tyee Camp Equipment, Everett, Wash. Filed July 29, 1950.



The word "Bed" and the representation of a cot are disclaimed.
For Camp Cots.
Claims use since June 16, 1950.

Ser. No. 615,554. Hough Shade Corporation, Janesville, Wis. Filed June 22, 1951.

BELMAR

Applicant claims ownership of Registration No. 516,008.
For Flexible Floor Screens for Domestic Divisional Purposes.
Claims use since Feb. 26, 1951.

Ser. No. 616,093. The Globe-Wernicke Co., Norwood, Cincinnati, Ohio. Filed July 5, 1951.



Applicant claims ownership of Registrations Nos. 63,442, 63,726, and 419,721.
For Modular Office Furniture Installations, Consisting of Desk Units, Table Units, and Portable Partition Units Used in Conjunction Therewith.
Claims use since May 16, 1951.

CLASS 33

GLASSWARE

Ser. No. 615,601. Club Aluminum Products Company, Chicago, Ill. Filed June 23, 1951.

NU-LOOK

The word "Look" is disclaimed.
For Covers Made of Glass for Cooking Utensils.
Claims use since June 18, 1951.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 593,612. Roberts-Gordon Appliance Corporation, Buffalo, N. Y. Filed Mar. 8, 1950. (Sec. 2f.)

GORDON

For Gas Burners, Gas Furnaces, Unit Heaters, and Boilers.
Claims use since June 1, 1939.

Ser. No. 606,136. Caffe Espresso Inc., New York, N. Y. Filed Nov. 9, 1950.

"STELLA"

For Coffee Pots Having a Self Contained Heating Unit.
Claims use since Oct. 11, 1950.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 549,058. Decca Records, Inc., New York, N. Y. Filed Feb. 7, 1948.

CLASSIC

For Phonograph Needles.
Claims use since May 29, 1947.

Ser. No. 554,301. Decca Records, Inc., New York, N. Y. Filed Apr. 10, 1948.



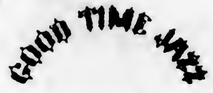
The drawing is lined for green but color is disclaimed. The words "Unbreakable Record" are disclaimed. Applicant claims ownership of Registrations Nos. 115,901, 398,404, and others.
For Unbreakable Mechanically Grooved Phonograph Records.
Claims use since Mar. 29, 1948.

Ser. No. 596,716. Derby Records, Inc., New York, N. Y. Filed May 2, 1950.

Derby

For Grooved Phonograph Records.
Claims use since May 19, 1949.

Ser. No. 610,563. Lester Koenig, Los Angeles, Calif., assignor to Good Time Jazz Record Co., Inc., Los Angeles, Calif. Filed Feb. 27, 1951.



The word "Jazz" is disclaimed.
For Grooved Phonograph Records.
Claims use since June 10, 1949.

Ser. No. 613,373. Imperial Accordion Manufacturing Co., Chicago, Ill. Filed May 1, 1951.

Imperial

For Accordions.
Claims use since Dec. 10, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 578,091. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed May 2, 1949.

MULTIPRIME

For Printing Papers.
Claims use since Apr. 19, 1949.

Ser. No. 581,507. Universal Fountain Pen & Pencil Co., New York, N. Y., assignor to Universal Fountain Pen & Pencil Co., Inc., New York, N. Y., a corporation of New York. Filed July 2, 1949.

Universal

For Fountain Pens.
Claims use since 1928.

Ser. No. 593,652. The Cott Index Company, Columbus, Ohio. Filed Mar. 9, 1950.

Chas. M. Cott

The mark is a facsimile of the signature of the founder of the applicant company, deceased. Applicant claims ownership of Registration No. 309,648.
For Loose Leaf Sheets Used in Conjunction With Record Indexes.
Claims use since Apr. 1, 1931.

Ser. No. 612,815. National Blank Book Company, Holyoke and Riverside, Holyoke, Mass. Filed Apr. 18, 1951. (Sec. 2f.)

NATIONAL

Applicant claims ownership of Registrations Nos. 87,649, 148,173, and 356,557.
For Blank Books for: Yearly and Five Year Diaries, Keeping Records of Trips, Addresses, Family Expenses, Appointments, Autographs, Birthdays, Brides, Babies, Guests, Recipes, Garden Records, Dates, Telephone Numbers, Scrap Books, Photograph Albums, Composition Books; Desk and Engagement Pads; Binder Covers for Holding: Telephone Books, Memorandum Books, Catalogs, Price Books, Sample Books, Manuals, Sales Display Material; Shorthand Notebooks; Loose Leaf Binders, Ring Binders, Post Binders, Visible Record Binders; Paper

Sheet Packs and Index Sheets for Filling Loose Leaf Binders; Spiral Wire Bound Blank Pads and Notebooks; Blank and Partially Printed Form Sheets for Bookkeeping; Bookkeeping Binders; Loose Sheet Holders; Journal and Ledger Books, Analysis Pads, Payrool Books; Transparent Envelopes for Protective Covering of the Sheets of Loose Leaf Binders; Writing Portfolios, and Combination Loose Leaf Binders and Portfolios.

Claims use since July 1881.

Ser. No. 612,816. National Blank Book Company, Holyoke, Mass. Filed Apr. 18, 1951. (Sec. 2f as to "National.")

Applicant claims ownership of Registrations Nos. 87,649, 148,173, and others.

NATIONAL

For Blank Books for: Yearly and Five Year Diaries, Keeping Records of Trips, Addresses, Family Expenses, Appointments, Autographs, Birthdays, Brides, Babies, Guests, Recipes, Garden Records, Dates, Telephone Numbers, Scrap Books, Photograph Albums, Composition Books, Desk and Engagement Pads; Binder Covers for Holding: Telephone Books, Memorandum Books, Catalogs, Price Books, Sample Books, Manuals, Sales Display Material, Shrthand Notebooks; Loose Leaf Binders, Ring Binders, Post Binders, Visible Record Binders; Paper Sheet Packs and Index Sheets for Filing Loose Leaf Binders; Spiral Wire Bound Blank Pads and Notebooks; Blank and Partially Printed Form Sheets for Bookkeeping; Bookkeeping Binders; Loose Sheet Holders; Journal and Ledger Books, Analysis Pads, Payroll Books; Transparent Envelopes for Protective Covering of the Sheets of Loose Leaf Binders; Writing Portfolios, and Combination Loose Leaf Binders and Portfolios.

Claims use since Oct. 20, 1930 as to the mark shown; and since July 1881 as to "National."

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 607,174. George E. Keeney, doing business as Rapid Colorprint Service, Glendale, Calif. Filed Dec. 1, 1950.

dupliton

For Colored Photocopies of Printed or Pictorial Matter, Sold as Such.

Claims use since Feb. 6, 1950.

Ser. No. 607,254. Manya Kahn, New York, N. Y. Filed Dec. 4, 1950.

lovely to look at

For Printed Publications Comprising a Course of Exercises, Health and Beauty Treatments Issued From Time to Time.

Claims use since Nov. 10, 1949.

CLASS 39

CLOTHING

Ser. No. 566,557. Tex-Sun Glove Company, Corsicana, Tex. Filed Oct. 6, 1948.



The drawing is lined for blue. The trade-mark consists of the color blue covering the back of the middle finger of a glove. No claim is made to the representation of a glove other than a representation of a glove having the back of the middle finger colored blue.

For Gloves Made of Fabric and Combination of Leather and Fabric.

Claims use since July 15, 1947.

Ser. No. 567,989. Merrimac Hat Corporation, New York, N. Y. Filed Nov. 1, 1948. (Sec. 2f as to "Merrimac.")

Peach-bloom MERRIMAC

Applicant claims ownership of Registration No. 421,014.

For Men's, Women's, and Children's Hats and Hat Bodies of Felt and Fur.

Claims use since May 3, 1937.

Ser. No. 597,133. Kay Daumit, Inc., Jersey City, N. J. Filed May 9, 1950.



Kay Daumit consists of the nickname and the surname of Catherine Gregg Daumit, whose permission to register is of record in this case.

For Hair Nets.

Claims use since Oct. 12, 1949.

Ser. No. 597,167. Revere Knitting Mills, Inc., Malden, Mass. Filed May 9, 1950.

Snugster

For Outer Shirts for Beach, Sports, and Knockabout Wear, for Use by Men and Boys.

Claims use since Apr. 4, 1950.

Ser. No. 599,429. G. H. S. Corporation, New York, N. Y. Filed June 20, 1950.

Vogue

Applicant claims ownership of Registrations Nos. 358,997 and 374,313.

For Hair Nets.

Claims use since Oct. 13, 1939.

Ser. No. 601,311. Chadis-Roth Knitwear Co., Boston, Mass. Filed July 27, 1950.

Carol Cabot

The name "Carol Cabot" is fanciful.

For Sweaters and Bathing Suits for Women and Misses.

Claims use since Sept. 16, 1940.

Ser. No. 602,364. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed Aug. 18, 1950.

DUDE RANCH

For Men's and Boys' Outer Sport Shirts.

Claims use since Mar. 2, 1950.

Ser. No. 602,500. Diana Corset Co., Inc., New York, N. Y. Filed Aug. 21, 1950.

TAPERETTE

For Corsets, Brassières, and Girdles.

Claims use since Jan. 5, 1950.

Ser. No. 604,972. Jamaica Sportswear, Inc., Olney, Ill. Filed Oct. 16, 1950. (Sec. 2f—Additional evidence.)

Jamaica

For Sportswear—Namely, Gym Suits, Shorts, and Shirts for Women, Misses, and Girls; and Shorts and Track Pants for Men and Boys.

Claims use since Sept. 1, 1950.

Ser. No. 608,198. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed Dec. 29, 1950.

BI-WAY

For Men's and Boys' Outer Shirts.

Claims use since Nov. 15, 1950.

Ser. No. 612,634. Tailored Silk Undergarment Co., Inc., New York, N. Y. Filed Apr. 13, 1951.

TRICO-TRILL

The word "Trico" is disclaimed. Applicant claims ownership of Registrations Nos. 149,256 and 340,134.

For Lingerie—Namely, Nightgowns, Petticoats, and Slips, for Women.

Claims use since Jan. 11, 1951.

Ser. No. 613,288. Bestform Foundations, Inc., New York, N. Y. Filed Apr. 28, 1951. (Sec. 2f.)

BESTFORM

Applicant claims ownership of Registration No. 393,330.

For Brassières, Girdles, Corsets, Corselettes, and Garter Belts.

Claims use since March 1923.

Ser. No. 614,400. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed May 26, 1951.

chemco

Applicant claims ownership of Registrations Nos. 353,142, 353,510, and others.

For Gloves and Aprons, Particularly Acid-Proof Gloves and Aprons Made of Rubber, Rubberized Fabric, or Other Impervious Plastic Material.

Claims use since October 1949 on the mark as shown; since Jan. 1, 1920, as to the word "Chemco"; and since 1938 on the goods listed, as to "Chemco."

Ser. No. 614,833. Ted Lang, Inc., New York, N. Y. Filed June 6, 1951.

Noël

For Slips for Ladies and Misses.

Claims use since February 1951.

Ser. No. 618,931. Jeunesse Corporation, Jersey City, N. J. Filed Sept. 18, 1951.

DATE DREAMS

For Women's Wearing Apparel — Namely, Women's Formal Dresses, Juniors' Formal Dresses, and Junior Misses' Formal Dresses.

Claims use since July 19, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 601,383. Standard Safety Equipment Co., Chicago, Ill. Filed July 28, 1950.

GRALITE

For Cotton Fabric Treated for Resistance to Chemicals.

Claims use since October 1949.

Ser. No. 602,115. Weiner & Bauer, Inc., New York, N. Y. Filed Aug. 11, 1950.

Well Balanced FABRICS

The words "Fabrics," "Style" and "Quality" are disclaimed. The drawing is lined for yellow.
For Textile Fabrics of Cotton, Linen, Silk, Wool, and Synthetic Fibers.
Claims use since June 1, 1950.

Ser. No. 602,435. Butler Brothers, Chicago, Ill. Filed Aug. 19, 1950. (Sec. 2f.)

Du Barry

For Percale Fabrics of Cotton Fibers.
Claims use since the fall of 1931.

Ser. No. 608,458. Irish Linen Spinning & Weaving Co., Inc., New York, N. Y. Filed Jan. 6, 1951.

Lincot

For Bed Sheets.
Claims use since Jan. 2, 1951.

Ser. No. 609,630. Chen-Tuft Corporation, Chattanooga, Tenn. Filed Feb. 5, 1951.

Chen-Tuft

The word "Tuft" is disclaimed.
For Chenille Bedspreads.
Claims use since Dec. 11, 1950.

Ser. No. 609,968. Fabric Prints, Inc., New York, N. Y. Filed Feb. 12, 1951.



The words "Crepe D'Sheen" are disclaimed. The representation of the persons shown on the drawing is fanciful.
For Rayon Piece Goods.
Claims use since Apr. 12, 1950.

Ser. No. 609,969. Fabric Prints, Inc., New York, N. Y. Filed Feb. 12, 1951.



The words "Crepe D'Sheen" are disclaimed. The representation of the person shown on the drawing is fanciful.
For Rayon Piece Goods.
Claims use since Dec. 18, 1950.

Ser. No. 610,066. Herbert Manufacturing Co., Inc., New York, N. Y. Filed Feb. 14, 1951.

saten-dure

The word "Saten" is disclaimed.
For Piece Goods of All Rayon Satin Faced Twill.
Claims use since May 22, 1950.

CLASS 43

THREAD AND YARN

Ser. No. 611,876. Bernhard Altmann, New York, N. Y. Filed Mar. 28, 1951.

BERNALTMAN

Applicant claims ownership of Registration No. 506,333.
For Yarns and Threads Made of Silk, Rayon, Nylon, Hairs, Wool, Cashmere, and Other Vegetable Fibers, and Made of Synthetic Fibers and Filaments and Mixtures Thereof.
Claims use since 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 559,340. Sears, Roebuck and Co., Chicago, Ill. Filed June 16, 1948. (Sec. 2f—Additional evidence.)
Applicant claims ownership of Registration No. 279,944.

SEARS Approved

For Group A—Manicuring Implements (Tweezers, Nail Files, Cuticle Pushers, Nail Shears, Cuticle Scissors, Cuticle Nippers); First Aid Needs and Kits (Both Needs and Kits Comprising Gauze Bandages, Adhesive Tape, Absorbent Cotton, Gauze Pads, Tourniquets, Tongue Depressors, Wood Splints, Medicine Glass, Scissors, Tweezers, Iodine, Castor Oil, Spirits of Ammonia, Boracic Acid, Petrolatum, First Aid Book, Swabs); Absorbent Cotton and Absorbent Gauze for Medical and Surgical Use; Suspensories; Corn, Callous and Bunion Pads; Sanitary Napkins; Douche Syringes; Dental Floss; Rubber Catheters; Breast Pumps; Surgical Rubber Tubing; Surgical Rubber Gloves; Surgical Rubber Sheeting; Ice Bags; Invalids' Urinals; Hot Water Bottles and Attachments; Braces and Supports for Parts of the Human Body, Formed of Fabric, Metal, and Combinations Thereof; Syringes; Surgical Elastic Hose and Bandages; Trusses; Arch Supports; Surgical Bandages and Dressings (Elastic Bandages, Gauze Pads and Bactericide Impregnated Bandages); Medicinal Atomizers and Inhalers; Throat Bags Adapted To Contain Hot or Cold Fluids for Application to the Human Throat; Inflatable Rings Used as Invalids' Seat Cushions; Infants' Rectal Syringes; Group B—Surgical Adhesive Tape; Group C—Denture Liners (Adhesive); Group D—Adhesive Bandages; Group E—Moleskin Adhesive; Group F—Surgical Appliances for Use in Shoes—Namely, Heel Supports, Bunion Protectors, Stocking and Foot Protectors; Group G—Ear and Nasal Syringes; Group H—Wheel Chairs; Invalids' Walkers; Elastic Knee and Ankle Braces; Elastic Arch Binders; Group I—Oral and Rectal Fever Thermometers.
Claims use since Dec. 9, 1929.

Ser. No. 608,233. Amalcoe Products Corp., New York, N. Y. Filed Dec. 30, 1950.



For Cord-Operated Amalgamator Which May Be Permanently Mounted to a Dental Chair for the Purpose of Preparing Amalgam in a Matter of Seconds, Said Amalgam Used for the Filling of Teeth.
Claims use since Apr. 6, 1949.

Ser. No. 611,449. S. J. Rastegar, doing business under the assumed name of M. C. & F. Co., New York, N. Y. Filed Mar. 16, 1951.



For Prophylactics for the Prevention of Venereal Diseases.
Claims use since Jan. 1, 1950.

Ser. No. 611,450. S. J. Rastegar, doing business under the assumed name of M. C. & F. Co., New York, N. Y. Filed Mar. 16, 1951.



For Surgical Syringes.
Claims use since Aug. 1, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 613,283. Abbott Laboratories, North Chicago, Ill. Filed Apr. 28, 1951.

GRAVINOL

For Stabilizing Agent—Namely, Brominated Vegetable Oils, Used in the Preparation of Non-Alcoholic Maltless Soft Drinks.
Claims use since Dec. 5, 1950.

Ser. No. 620,159. Ernst H. Holscher, trading as Crescent Bottling Co., Camden, N. J. Filed Oct. 18, 1951.



For Mineral Water.
Claims use since July 21, 1950.

Ser. No. 620,160. Ernst H. Holscher, trading as Crescent Bottling Co., Camden, N. J. Filed Oct. 18, 1951.

Nawinta

For Mineral Water.
Claims use since July 21, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 546,686. Fairmont Canning Company, Fairmont, Minn. Filed Jan. 10, 1948. (Sec. 2f.)

Lake STATE

For Canned Vegetables—Namely, Peas and Corn.
Claims use since July 11, 1933.

Ser. No. 559,741. Clinton Foods Inc., New York, N. Y., assignee of Snow Crop Marketers, Inc. Filed June 19, 1948.

SNOW TOP

Applicant claims ownership of Registration No. 421,993.
For Canned Vegetables.
Claims use since July 1937.

Ser. No. 583,932. Hunt Potato Chip Co., Braintree, Mass. Filed Aug. 24, 1949. (Sec. 2f as to "Hunt.")



The words "For Potato Chips" are disclaimed. The representation of the boy is fanciful.
For Potato Chips.
Claims use since September 1921.

Ser. No. 591,665. John E. Cain Co., Cambridge, Mass. Filed Jan. 30, 1950.

KOTTAGE GARDEN

For Sweet Relish.
Claims use since June 19, 1923.

Ser. No. 599,172. Holland Pioneer Mills, Inc., Ohio City, Ohio. Filed June 15, 1950.



The word "Feeds" is disclaimed.
For Feeds for Livestock, Pet Animals—Namely, Dogs and Cats, and Poultry, the Major Constituent of Which Is Soybean Meal.
Claims use since April 1939.

Ser. No. 612,124. Fruit Products Corporation, New York, N. Y., assignee of Ice Cream Novelties, Inc. Filed Apr. 2, 1951.

COOL TIME

For Frozen Confections on Sticks, Liquid Syrups or Concentrates for Making the Same and a Dry Chocolate Flavoring Powder for Use in Making the Same.
Claims use since Feb. 15, 1947.

Ser. No. 617,275. Belle Products Company, Inc., Houston, Tex. Filed Aug. 3, 1951.



The name "Lady Carlotta" does not identify a particular living individual.
For Maraschino Cherries, Olives and Stuffed Olives.
Claims use since Apr. 21, 1949.

Ser. No. 619,910. The Albro Packing Company, Springboro, Pa. Filed Oct. 12, 1951. (Sec. 2f.)

CRAWFORD

Applicant claims ownership of Registration No. 321,284.
For Pickles and Pickle Relishes, Canned Peppers, and Vinegar and Sauerkraut.
Claims use since June 1932.

Ser. No. 620,284. Williams Farms Company, Inc., Oxnard, Calif., and Hereford, Tex. Filed Oct. 20, 1951.

RIGHT STEP

For Fresh Lettuce.
Claims use since Oct. 1, 1951.

Ser. No. 620,504. Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii. Filed Oct. 26, 1951.

GOOD TURN

For Canned Tuna.
Claims use since Sept. 10, 1951.

Ser. No. 620,611. Los Angeles Nut House, also doing business as L. A. Nut House, Los Angeles, Calif. Filed Oct. 29, 1951.

TOM SAWYER

Applicant claims ownership of Registration No. 527,678.
For Peanut Butter, Potato Chips, and Candy.
Claims use since Aug. 1, 1926.

Ser. No. 621,431. Jesse Ungar, doing business under the name and style of Comex Sales Company, New York, N. Y. Filed Nov. 19, 1951.

MERCURIO

For Olive Oil.
Claims use since 1932.

CLASS 47

WINES

Ser. No. 545,256. Henry Kelly Importing & Distributing Co. Inc., New York, N. Y. Filed Dec. 23, 1947.

Jacques Bonet

The name "Jacques Bonet" is fictitious. Applicant claims ownership of Registration No. 388,678.
For Champagne.
Claims use since May 3, 1940.

Ser. No. 610,534. Wine Growers Guild, Lodi, Calif. Filed Feb. 26, 1951.

Master's Pride

For Wines.
Claims use since Dec. 20, 1950.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 599,448. Narragansett Brewing Company, Cranston, R. I. Filed June 20, 1950.

Hi Neighbor!

For Ale and Beer.
Claims use since May 1949.

Ser. No. 604,269. Sicks' Seattle Brewing & Malting Co., Seattle, Wash. Filed Sept. 30, 1950. (Sec. 2f as to "Sicks' Select.")



Applicant claims ownership of Registrations Nos. 524,622, 524,623, 528,769, and 544,268.
For Beer.
Claims use since Dec. 14, 1939.

Ser. No. 608,795. Frydenlunds Bryggeri, Oslo, Norway. Filed Jan. 15, 1951.



The words "Frydenlunds Bryggeri" and "Brand" are disclaimed. Applicant claims ownership of Norwegian Registration No. 37,434, dated Sept. 24, 1948 and United States Registration No. 313,725.
For Beer.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 609,612. Sunset Incorporated, Chicago, Ill. Filed Feb. 3, 1951. (Sec. 2f.)

Old Sidmore

The word "Old" is disclaimed. The drawing is lined for shading. Applicant claims ownership of Registration No. 512,935.
For Whiskey.
Claims use since Nov. 6, 1945.

Ser. No. 609,613. Sunset Incorporated, Chicago, Ill. Filed Feb. 3, 1951.

Old Tom Glen

The word "Old" is disclaimed. The drawing is lined for shading. "Tom Glen" is not the name of any living person known to applicant. Applicant claims ownership of Registration No. 512,936.
For Whiskey.
Claims use since Nov. 6, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 562,124. Esquire, Inc., Chicago, Ill. Filed July 24, 1948.

Esquire

For Cases for Autoists Containing a Windshield Scraper, a Chemically Treated Polishing Cloth, and a Windshield Wiping Mit.
Claims use since Mar. 26, 1948.

Ser. No. 588,562. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed Nov. 30, 1949.

ARMALON

For Coated Fabrics in the Nature of Artificial Leather in the Piece.
Claims use since Sept. 21, 1949.

Ser. No. 598,119. Standard Cap and Seal Corporation, Chicago, Ill. Filed May 25, 1950.

DUPLEXHOOD

For Laminated Paper and Foil Bottle Closures Used Upon Milk Bottles.
Claims use since May 15, 1950.

Ser. No. 613,810. Fruit of the Loom, Inc., Providence, R. I. Filed May 12, 1951.



For Bowl Covers, Mixer Covers, Toaster Covers, Platter Covers, Coffee Maker Covers, Broiler Covers, Fruit Squeezer Covers, Plate Covers, and Roaster Covers, Made of a Flexible Film Plastic Material.
Claims use since Sept. 1, 1949.

Ser. No. 617,870. Fabric Leather Corp., New York, N. Y. Filed Aug. 20, 1951.



For Plastic Sheeting To Be Used as a Substitute for Leather.
Claims use since Nov. 17, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 599,272. Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, France. Filed June 16, 1950.

MESSAGER

Applicant claims ownership of French Registration No. 328,398, dated July 20, 1939.
For Perfumes.

Ser. No. 599,625. Fabergé, Inc., New York, N. Y. Filed June 23, 1950.

Act IV

For Perfumes, Colognes, Toilet Waters, Filled Sachets, and Dusting Powders.
Claims use since May 10, 1949.

Ser. No. 601,182. John H. Woodbury, Inc., Cincinnati, Ohio, assignor to The Andrew Jergens Company, Cincinnati, Ohio, a corporation of Ohio. Filed July 24, 1950.

SUNNY DREAM

For Face Powder.
Claims use since June 8, 1950.

Ser. No. 606,505. Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Filed Nov. 17, 1950.



Applicant claims ownership of Registrations Nos. 510,757, 515,439, 520,798, and 538,484.
For Face Cream and Toilet Lanoline.
Claims use since 1907.

Ser. No. 613,301. Leonard E. Lisner, New York, N. Y. Filed Apr. 28, 1951. (Sec. 2f.)

RIMMEL

Applicant claims ownership of Registrations Nos. 300,462 and 412,604.
For Toilet Water, Eau de Cologne, Perfume, Nail Polish, Compact Powders, Talcum Powders, Face Creams, Skin Creams, Toilet Vinegar, and Eyelash and Eyebrow Cosmetics—Namely, Mascara, Eye Shadow, Eyebrow Pencils, and Eye-Liner Pencils.
Claims use since 1861.

Ser. No. 615,559. Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo., assignor to The Lambert Company, Jersey City, N. J., a corporation of Delaware. Filed June 22, 1951.

PREDENT

For Dentifrices.
Claims use since June 5, 1951.

Ser. No. 615,560. Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo., assignor to The Lambert Company, Jersey City, N. J., a corporation of Delaware. Filed June 22, 1951.

THERADENT

For Dentifrices.
Claims use since June 5, 1951.

Ser. No. 615,890. Louise Fabish, New York, N. Y. Filed June 29, 1951.

UNIVERSAL

For Rouge.
Claims use since June 1, 1941.

Ser. No. 618,577. The Grove Laboratories, Inc., St. Louis, Mo. Filed Sept. 10, 1951. (Sec. 2f.)

Skin Pep

For After Shaving Lotion.
Claims use since Aug. 1, 1945.

Ser. No. 618,806. Lever Brothers Company, New York, N. Y. Filed Sept. 14, 1951.

Chlorodent

Applicant claims ownership of Registration No. 123,763.
For Dentifrice.
Claims use since June 22, 1951.

Ser. No. 618,968. Richard Hudnut, New York, N. Y. Filed Sept. 19, 1951.

MAESTRO

For After Shave Lotion.
Claims use since Apr. 11, 1951.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 601,274. Parfumerie Provencal, Inc., New York, N. Y. Filed July 26, 1950.

FRENCH PROVINCIAL

The word "French" is disclaimed. Applicant claims ownership of Registration No. 533,783.
For Toilet Soaps.
Claims use since July 10, 1950.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 552,231. Consolidated Merchants Syndicate, Inc., New York, N. Y. Filed Mar. 18, 1948.



The drawing is lined for red. The outline map of the United States, the address, and all wording in the border except "Consolidated" are disclaimed.
For Listing Service to Retailers Throughout the United States Wherein the Applicant Furnishes to Variety Store Owners a Weekly Listing of Articles for Sale by Manufacturers and the Current Prices of Such Articles.
Claims use since 1930.

Ser. No. 602,614. T. DeWitt Hughes, doing business as Western Employment Counselors Association, Kansas City, Mo. Filed Aug. 23, 1950.

"Brain Brokers"

The word "Brokers" is disclaimed.
For Furnishing Employees for Places of Business—Namely, Manufacturing, Hotels, Offices, Professional Offices, and Other Places Requiring Office Employees Including Salesmen and Executives in Such Places of Business.
Claims use since October 1906.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 616,543. Blue Shield Medical Care Plans, Chicago, Ill. Filed July 16, 1951.



The drawing is lined to indicate blue.
For Underwriting, on a Prepayment Basis, the Expense to the Patient of Medical Care and Underwriting the Doctor's Expense in Furnishing Medical Care.
Claims use since Nov. 5, 1949 as shown; and since Sept. 23, 1939, in conjunction with certain symbols.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 573,205. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 2, 1949.

HOMART

Applicant claims ownership of Registrations Nos. 508,597 and 509,746.
For Installation and Repairing of (1) Heating Apparatus and Systems, Such as Stokers, Oil and Gas Burners, and Air Conditioning Systems; (2) Plumbing; (3) Furnaces, Water Heaters and Water Supply Apparatus; (4) Irrigation Equipment; (5) Wall Tiling.
Claims use since Jan. 1, 1946.

Ser. No. 603,776. Electrolux Corporation, Dover, Del., and New York, N. Y. Filed Sept. 20, 1950.

ELECTROLUX

Applicant claims ownership of Registrations Nos. 195,691, 266,455, 284,377, and others.
For Service, Maintenance, and Repair of Vacuum Cleaners and Floor Polishers, and Accessories Therefor, and for the Installation of Repair Parts for Said Vacuum Cleaners and Floor Polishers, and Accessories Therefor.
Claims use since 1924.

Ser. No. 606,680. Power Electric Company, Jackson, Miss. Filed Nov. 20, 1950.



For Installation and Repair of Electrical Power Equipment Such as Generators, Motors, Switchboards, Cables, and Wiring.
Claims use since Oct. 15, 1947.

Ser. No. 618,213. Parker's Sno-White Laundry, Inc., Atlanta, Ga. Filed Aug. 29, 1951.

ZIP

For Dry Cleaning Services.
Claims use since May 1951.

Ser. No. 618,507. Parker's Sno-White Laundry, Inc., Atlanta, Ga. Filed Sept. 7, 1951.



The words "60-Minit Cleaners" are disclaimed.
For Dry Cleaning Services.
Claims use since May 1951.

Ser. No. 620,379. American Crankshaft Company, Charlotte, N. C. Filed Oct. 19, 1951. (Sec. 2f.)

ARCPLATED

For Reconditioning Automotive Crankshafts by Rebuilding the Worn Surfaces Thereof by Arc Welding and Grinding the Rebuilt Surfaces.
Claims use since July 1946.

CLASS 106

MATERIAL TREATMENT

Ser. No. 618,477. American Lumber & Treating Co., Chicago, Ill. Filed Sept. 7, 1951.

Erdalith

For Chemically Impregnating Forest Products for Preservation.
Claims use since Nov. 29, 1948.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 597,726. American Camping Association, Inc., Chicago, Ill. Filed May 19, 1950. COLLECTIVE MARK.



The words "American," "Camping," "Association," and "Member" are disclaimed.
For Providing Recreational Activities for Children and Adults Through Organized Camps.
Claims use since Jan. 1, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,687. Organic Mercury Containing Preparation Intended for Use as a Palliative for the Local Manifestations of Psoriasis, Preferably as Directed by the Physician. J. V. Cordes, doing business as Shield Laboratories, Detroit, Mich.
Filed Apr. 17, 1946, Serial No. 500,370. Published Nov. 26, 1946. Class 18.

444,688. Individual Water Pumps for Use in Air-Conditioning Equipment, and Individual V-Belt Pulleys for Air-Moving Equipment. Utility Appliance Corp., Los Angeles, Calif.
Filed June 11, 1946, Serial No. 503,684. Published Jan. 15, 1952. Class 23.

ACT OF 1946, PRINCIPAL REGISTER

558,401. Waterproof Bags Made of Paper Laminated With Waterproof Material and Reinforced With Cotton or Jute Cords or Open-Mesh Material. Bemis Bro. Bag Company, St. Louis, Mo.
Original filed, act of 1905, Nov. 2, 1945; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 490,917. Published Feb. 12, 1952. Class 2.

558,402. Ready-Mixed Paints, Asphalt Base Paints, Paint Primers and Undercoaters; Etc. Preservative Paint Co., Seattle, Wash.
Original filed, act of 1905, Apr. 22, 1946; amended to application under act of 1946, Principal Register, Sept. 8, 1947, Serial No. 500,694. Published Jan. 1, 1952. Class 16.

558,403. Ready-Mixed Paints, Asphalt-Base Paints, Etc. Preservative Paint Co., Seattle, Wash.
Original filed, act of 1905, Apr. 22, 1946; amended to application, act of 1946, Principal Register, Sept. 8, 1947, Serial No. 500,695. Published Jan. 8, 1952. Class 16.

558,404. Magazine. Miller Freeman Publications, Inc., Seattle, Wash.
Original filed, act of 1920, Aug. 12, 1946; amended to application under act of 1946, Principal Register, Jan. 19, 1950, Serial No. 507,268. Published Jan. 29, 1952. Class 38.

558,405. Ornamental Boxes and Cases of Base Metal, Wood, Plastic, Fabric, Cellulosic Material, and Leather for Packaging and Displaying Various Articles of Merchandise. F. H. Noble & Co., Chicago, Ill.
Filed Aug. 5, 1947, Serial No. 530,554. Published Feb. 12, 1952. Class 2.

558,406. Motor Vehicle Seat and Back Spring Cushions and Spring Cushion Assemblies and Coiled Springs Therefor. L. A. Young Spring and Wire Corporation, Detroit, Mich.
Filed Sept. 19, 1947, Serial No. 535,111. Published Jan. 22, 1952. Class 19.

558,407. Work Gloves—Namely, Gloves of Fabric. Indianapolis Glove Company, Indianapolis, Ind., now by change of name, Indianapolis Glove Company, Inc., a corporation of Indiana.
Filed Oct. 3, 1947, Serial No. 536,609. Published Mar. 29, 1949. Class 39.

558,408. Periodical Published Monthly. Office Appliance Company, Chicago, Ill.
Filed Dec. 17, 1947, Serial No. 544,597. Published Feb. 12, 1952. Class 38.

558,409. Electrode Carrying Cases, Sold Empty, Etc. National Cylinder Gas Company, Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,509. Published Feb. 12, 1952. Class 2.

558,410. Dress, Negligee, and Work Shirts. Henry Perla, doing business as Perla Shirt Company, New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,401. Published Jan. 1, 1952. Class 39.

558,411. Exercising Machines in the Form of Moving Belt Treadmills. Battle Creek Equipment Company, Battle Creek, Mich.
Filed Feb. 11, 1948, Serial No. 549,413. Published Jan. 29, 1952. Class 44.

558,412. Plain and Self-Rising Wheat Flour. King Milling Company, Lowell, Mich.
Filed Feb. 12, 1948, Serial No. 549,554. Published Feb. 5, 1952. Class 46.

558,413. Infants' Small, Hollow Rubber Toys Simulating Ducks, Turtles, Etc. Bayshore Industries, Inc., Elkton, Md.
Filed Mar. 12, 1948, Serial No. 551,756. Published Nov. 15, 1949. Class 22.

558,414. Wheat Flour. Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo.
Filed Apr. 1, 1948, Serial No. 553,593. Published Feb. 5, 1952. Class 46.

558,415. Carrying Cases for Portable Power Tools, Parts, Attachments, and Accessories Therefor. Independent Pneumatic Tool Company, Chicago, Ill.
Filed Apr. 24, 1948, Serial No. 555,507. Published Jan. 1, 1952. Class 3.

558,416. Overalls Primarily for Men But Sometimes Worn by Women, Girls, and Boys. Oshkosh B'Gosh, Inc., Oshkosh, Wis.
Filed June 10, 1948, Serial No. 558,922. Published Jan. 1, 1952. Class 39.

558,417. Decorative Paint. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich.
Filed May 13, 1948, Serial No. 559,462. Published Jan. 1, 1952. Class 16.

558,418. Ladies', Misses', and Girls' Dungarees, Pedal Pushers, and Shorts, and Boys' and Girls' Boxer Shorts. The H. Zussman & Son Company, Cincinnati, Ohio.
Filed July 27, 1948, Serial No. 562,289. Published Jan. 1, 1952. Class 39.

558,419. Cellulosic Dressings With or Without Adhesive—Namely, Dressings Composed of Fine Strips of Cellulosic Film Woven Together and Strongly Calendered, Which May Be Impregnated With a Powerful Antiseptic. S. A. R. L. Societe d'Exploitation des Produits des Laboratoires Fournier et Cie, Dijon, France.
Filed Sept. 27, 1948, Serial No. 565,971. Published Feb. 12, 1952. Class 44.

558,420. Ready-Mixed Marine Paints. Ellis Paint Company, Long Beach, Calif.
Filed Aug. 30, 1948, Serial No. 568,152. Published Jan. 8, 1952. Class 16.

558,421. Automotive Vehicles—Namely, Passenger Vehicles and Motor Trucks Including Trailer Trucks Comprising Tractors and Trailers, and Structural Parts Thereof. Societe Anonyme André Citroën, Paris, France.
Filed Nov. 18, 1948, Serial No. 569,016. Published Jan. 29, 1952. Class 19.

558,422. Automotive Vehicles—Namely, Passenger Vehicles and Motor Trucks Including Trailer Trucks Comprising Tractors and Trailers, and Structural Parts Thereof. Societe Anonyme André Citroën, Paris, France.
Filed Nov. 18, 1948, Serial No. 569,018. Published Jan. 29, 1952. Class 19.

558,423. Insecticide. The Davey Tree Expert Company, Kent, Ohio.
Filed Nov. 19, 1948, Serial No. 569,056. Published Dec. 18, 1951. Class 6.

558,424. Full Fashioned Hosiery. Berkshire Knitting Mills, Reading and Wyomissing, Pa.
Filed Nov. 24, 1948, Serial No. 569,345. Published Feb. 12, 1952. Class 39.

558,425. Books, Pamphlets, and Magazines. Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn.
Filed Dec. 2, 1948, Serial No. 569,739. Published Feb. 12, 1952. Class 38.

558,426. Perforated Cardboard Cartons Designed To Be Placed Within the Interior of a Garment Bag as a Container for a Moth Preventative. Stor-Aid Closet Accessories, Inc., New York, N. Y.
Filed Dec. 7, 1948, Serial No. 570,131. Published Feb. 12, 1952. Class 2.

558,427. Moulding Machines for Making Building Materials Such as Bricks, Tile, Pipe, Slabs, Blocks, and the Like. Lith-I-Bar Company, Holland, Mich.
Filed Jan. 15, 1949, Serial No. 572,257. Published Jan. 15, 1952. Class 23.

558,428. Books. Nelson Doubleday, Inc., Garden City, N. Y.
Filed Jan. 21, 1949, Serial No. 572,515. Published Jan. 29, 1952. Class 38.

558,429. Vehicle Glass Run Channels. The Bailey Company, Incorporated, Amesbury, Mass.
Filed Jan. 26, 1949, Serial No. 572,824. Published Jan. 8, 1952. Class 19.

558,430. Men's Overcoats, Topcoats, Suits, Hats, Outer Shirts, Pajamas, and Shoes. Jordan Marsh Company, Boston, Mass.
Filed Jan. 26, 1949, Serial No. 572,853. Published Mar. 6, 1951. Class 39.

558,431. Submarine Anti-Fouling Paints for Ships. Le Ripolin (Societe Anonyme Francaise de Peintures Laquees et d'Enduits Sous-Marins,—Procedes Lefranc & Briegleb Reunis), Paris, France.
Filed Mar. 24, 1949, Serial No. 575,995. Published Jan. 1, 1952. Class 16.

558,432. Glue. Armour and Company, Chicago, Ill.
Filed Apr. 29, 1949, Serial No. 577,928. Published Dec. 18, 1951. Class 5.

558,433. Eyeglass Cases Sold Empty, of Leather, Fabric, and Plastic Materials. Marioness & Co., Inc., New York, N. Y.
Filed May 17, 1949, Serial No. 578,983. Published Jan. 1, 1952. Class 26.

558,434. Sprayers for Spraying Asphalt Emulsion, Oil Tar, Paint, Chemicals, Weed Killers, Etc. Tarrant Manufacturing Company, Saratoga Springs, N. Y.
Filed May 18, 1949, Serial No. 579,063. Published Jan. 15, 1952. Class 23.

558,435. Lined Brake Shoes (Riveted), and Bonded Brake Shoes. Cahill Manufacturing Co., Chicago, Ill.
Filed May 23, 1949, Serial No. 579,306. Published Feb. 12, 1952. Class 19.

558,436. Insecticide. Stauffer Chemical Company, San Francisco, Calif.
Filed June 14, 1949, Serial No. 580,439. Published Mar. 13, 1951. Class 6.

558,437. Liquid Self-Polishing Wax Used as a Protective Coating for Wood, Linoleum, Terrazzo, and Cement Floors, and Liquid Varnish of the Synthetic Gum Type for Sealing and Finishing Wood Floors. A. Reed Wilson Co., Kansas City, Mo.
Filed June 17, 1949, Serial No. 580,706. Published Feb. 12, 1952. Class 4.

558,438. Hematinic Preparation Intended for Oral Administration in the Treatment of Certain Anemias. Abbott Laboratories, North Chicago, Ill.
Filed June 27, 1949, Serial No. 581,109. Published Nov. 6, 1951. Class 18.

558,439. Chemical Preparations To Be Used as a Plasticizer in the Industrial Arts. Advance Solvents & Chemical Corporation, New York, N. Y.
Filed June 27, 1949, Serial No. 581,110. Published Feb. 12, 1952. Class 6.

558,440. Belt Conveyor for Use Between Loading and Discharge Points at Various Levels. Island Equipment Corp., Long Island City, N. Y.
Filed Sept. 20, 1949, Serial No. 585,070. Published Jan. 15, 1952. Class 23.

558,441. Plastic Cover Lens for Welding Helmets. Flood Safety Products Company, Chicago, Ill.
Filed Oct. 12, 1949, Serial No. 586,155. Published Jan. 1, 1952. Class 26.

558,442. Automatic and Manual Marine Vehicle Steering Systems Each Consisting of a Steering Stand With Electrical Pick-Offs Controlled From the Steering Wheel and/or a Compass Reference, and a Connected Rudder Actuating Servo System, Sold as a Unitary Structure. The Sperry Corporation, Great Neck, N. Y.
Filed Oct. 13, 1949, Serial No. 586,257. Published Jan. 15, 1952. Class 23.

558,443. CONSOLIDATED CERTIFICATE. United States Steel Corporation, New York, N. Y.
Cans, Drums, Pails, Containers in the Nature of Pressure Bottles or Cylinders for Compressed Fluids, Etc. Filed Nov. 23, 1949, Serial No. 588,239. Published Dec. 11, 1951. Class 2.
Sulphate of Iron. Filed Nov. 23, 1949, Serial No. 588,240. Published Apr. 10, 1951. Class 6.
Wire Rope and Strand. Filed Apr. 17, 1950, Serial No. 595,349. Published May 1, 1951. Class 7.
Fertilizers. Filed Nov. 23, 1949, Serial No. 588,241. Published July 17, 1951. Class 10.
Steel Flooring, Piling and Structural Shapes, Etc. Filed Nov. 23, 1949, Serial No. 588,242. Published July 3, 1951. Class 12.
Bale Ties, Cuspidors, Drip and Dust Pans, Etc. Filed Nov. 23, 1949, Serial No. 588,243. Published Mar. 27, 1951. Class 13.
Steel Bars, Bar Mill Shapes, Castings, Billets, Blooms, Plates, Rails, Sheets, Skelp, Slabs, Strip, and Wire; Railway Track Work—Namely, Crossings, Frogs, and Switch Mates. Filed Nov. 23, 1949, Serial No. 588,244. Published July 17, 1951. Class 14.
Wire Rope Lubricant. Filed Nov. 23, 1949, Serial No. 588,245. Published Oct. 16, 1951. Class 15.
Railway Cars and Wheelbarrows. Filed Nov. 23, 1949, Serial No. 588,246. Published Apr. 10, 1951. Class 19.
Electric Wire Cable and Rail Bonds; and Electric Furnaces. Filed Mar. 17, 1950, Serial No. 594,155. Published Jan. 22, 1952. Class 21.
Railway Switches; Farm and Garden Tools—Namely, Trowels, Weeders, Cultivators, Spatulas, Cutters, Lawn Edgers, Sickles, Tampers, Rollers, Spades, Shovels, Hoes, Rakes, Forks, Scrapers, and Mattocks. Filed Nov. 23, 1949, Serial No. 588,247. Published Oct. 2, 1951. Class 23.
Wire for Use as Strings in Musical Instruments. Filed Mar. 17, 1950, Serial No. 594,156. Published Sept. 18, 1951. Class 36.
Books and Periodicals. Filed Nov. 23, 1949, Serial No. 588,248. Published July 24, 1951. Class 38.

558,444. Antacid Tablets. Drug Laboratories, Inc., New York, N. Y., now by change of name Norex Laboratories, Inc.
Filed Dec. 23, 1949, Serial No. 589,843. Published Dec. 4, 1951. Class 18.

558,445. Men's Sport Coats. Mavest, Inc., New York, N. Y.
Filed Dec. 30, 1949, Serial No. 590,168. Published June 5, 1951. Class 39.

558,446. Solution of Chlorophyl and Iodophenol Indicated in the Prevention of Dental Cavities of Bacterial Origin, and in Oral Prophylaxis. Schaffer-Lawrie Laboratories, Glendale, Calif.
Filed Dec. 30, 1949, Serial No. 590,183. Published Dec. 25, 1951. Class 18.

558,447. Chemo-Therapeutic Agent Consisting of Tablets Made of a Thiosemicarbazone for Pulmonary Diseases. Schenley Laboratories, Inc., New York, N. Y.
Filed Jan. 11, 1950, Serial No. 590,709. Published Dec. 18, 1951. Class 18.

558,448. Chemo-Therapeutic Agent Consisting of Tablets Made of a Thiosemicarbazone for Pulmonary Diseases. Schenley Laboratories, Inc., New York, N. Y.
Filed Jan. 11, 1950, Serial No. 590,710. Published Dec. 5, 1950. Class 18.

558,449. Gummed Paper Tape and Gummed Cloth Tape. Mid-States Gummed Paper Co., Chicago, Ill.
Filed Jan. 27, 1950, Serial No. 591,576. Published Jan. 22, 1952. Class 5.

558,450. Bicycles, and Parts Therefor—Namely, Mudguards, Head Tubes, Down Tubes, Chain Guards, and Gear Cases. The Raleigh Cycle Co. Limited, Nottingham, England.
Filed Jan. 27, 1950, Serial No. 591,586. Published Jan. 15, 1952. Class 19.

558,451. Hard Rubber or Plastic Jars, Buckets, and Cases for Portable Electrical Equipment. Stokes Molded Products, Inc., Trenton, N. J.
Filed Jan. 28, 1950, Serial No. 591,641. Published Feb. 12, 1952. Class 2.

558,452. Perfumed Soap. J. & E. Atkinson Limited, London, England.
Filed Feb. 28, 1950, Serial No. 593,156. Published Dec. 25, 1951. Class 52.

558,453. Antihistaminic Preparations for Oral Dosage. The Norwich Pharmacal Company, Norwich, N. Y.
Filed Mar. 6, 1950, Serial No. 593,496. Published Dec. 18, 1951. Class 18.

558,454. Powdered Limestone and Chalk, Both for General Use in the Industrial Arts. Societe Anonyme des Ciments Portland Artificiels Belges d'Harmignies, Brussels, Belgium.
Filed Mar. 6, 1950, Serial No. 593,505. Published Jan. 29, 1952. Class 1.

558,455. Published Analyses Relating to Newspaper Advertising in the Form of Charts and Statistical Reports. Small Town & Farm Markets Institute, Incorporated, New Canaan, Conn.
Filed Mar. 9, 1950, Serial No. 593,690. Published Feb. 12, 1952. Class 38.

558,456. Abrasive Compounds Containing Lime. Poor & Company, Chicago, Ill.
Filed Mar. 31, 1950, Serial No. 594,989. Published Jan. 22, 1952. Class 4.

558,457. Canned Vegetables, Canned Fruits, Canned Tomato Juice, and Canned Puree. Mason Co., Inc., Atlantic City, N. J.
Filed Mar. 18, 1950, Serial No. 595,115. Published Oct. 9, 1951. Class 46.

558,458. Airplanes. Northrop Aircraft, Inc., Hawthorne, Calif.
Filed Apr. 10, 1950, Serial No. 596,002. Published Feb. 12, 1952. Class 19.

558,459. Self-Curing Plastic and Liquids Made of Powder for Use in the Making and Repairing of Dental Trays. Cosmos Dental Products, Inc., New York, N. Y.
Filed Apr. 22, 1950, Serial No. 596,156. Published Jan. 22, 1952. Class 44.

558,460. Preparation in Capsule Form for the Treatment of Rheumatism and Neuralgia. Kane Products Co., New York, N. Y.
Filed Apr. 22, 1950, Serial No. 596,169. Published Dec. 4, 1951. Class 18.

558,461. Auto Cleaning and Glazing Wax. Glaze-All Corporation, Chicago, Ill.
Filed Apr. 24, 1950, Serial No. 596,224. Published Jan. 29, 1952. Class 52.

558,462. Auto Soap, Dressing for Cleaning and Treating Brake Bands, and Rain Spot Removers for Metal. The Pep Boys—Manny, Moe & Jack, doing business as Varsity Products Co., Philadelphia, Pa.
Filed May 5, 1950, Serial No. 596,941. Published Jan. 29, 1952. Class 52.

558,463. Electrically Operated Physio-Therapy Machines. William G. Eckert, doing business under the name Quadson Instrument Company, Los Angeles, Calif.
Filed May 6, 1950, Serial No. 596,990. Published Mar. 20, 1951. Class 44.

558,464. CONSOLIDATED CERTIFICATE. Diehl Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y.
Electric Motors, Electric Generators, Electric Fans, Etc. Filed May 12, 1950, Serial No. 597,327. Published Dec. 25, 1951. Class 21.
Electric Bench Grinders. Filed Apr. 21, 1951, Serial No. 612,965. Published Jan. 22, 1952. Class 23.
Exhaust Fans. Filed Apr. 21, 1951, Serial No. 612,966. Published Jan. 22, 1952. Class 34.

558,465. Antispasmodic or Spasmolytic Preparation. Norgine Laboratories, Inc., New York, N. Y.
Filed June 2, 1950, Serial No. 598,494. Published Dec. 25, 1951. Class 18.

558,466. Bulk Laxative, Combined With an Antispasmodic, Used in the Treatment of Constipation. Norgine Laboratories, Inc., New York, N. Y.
Filed June 2, 1950, Serial No. 598,495. Published Dec. 18, 1951. Class 18.

558,467. Sheet Music. Edward R. French, doing business as The Top Tunes Company, Ocean City, N. J.
Filed July 11, 1950, Serial No. 600,477. Published Feb. 12, 1952. Class 38.

558,468. Motor Vehicle Accessories—Namely, Vehicle Direction Indicators of the Semaphore Arm Type, Windshield Wipers, Windshield Wiper Arms, Windshield Wiper Blades, Etc. Magnatex Limited, Harlington, England.
Filed July 11, 1950, Serial No. 600,495. Published Jan. 29, 1952. Class 19.

558,469. Airplanes and Structural Parts Thereof. The Glenn L. Martin Company, Baltimore and Middle River, Md.
Filed July 12, 1950, Serial No. 600,544. Published Jan. 22, 1952. Class 19.

558,470. Rubbing Alcohol. Southwestern Drug Corporation, doing business as Lanolave Laboratories, Waco, Tex.
Filed July 26, 1950, Serial No. 601,284. Published Dec. 4, 1951. Class 18.

558,471. Portable Wheeled Sand-Blasting Machines Intended To Be Connected to a Source of Compressed Air and Adapted To Blow Sand From a Closed Tank Forming a Part Thereof. Blast Machine Co., Philadelphia, Pa.
Filed Aug 2, 1950, Serial No. 601,595. Published Jan. 22, 1952. Class 23.

558,472. Medicinal Spray Intended To Soothe and Relieve the Distress of Nasal Congestion and Sinusitis. Cyrus F. Ledford, doing business as Sina-Spray Company, Bristol, Tenn.
Filed Aug. 8, 1950, Serial No. 601,926. Published Dec. 25, 1951. Class 18.

558,473. Seat Covers and Seat Cushions for Automobiles. Bertley Company, Incorporated, New York, N. Y.
Filed Aug. 9, 1950, Serial No. 601,974. Published Feb. 12, 1952. Class 19.

558,474. Plastic Sprinkling Cans. Wm. Thoresen Co., Chicago, Ill.
Filed Aug. 14, 1950, Serial No. 602,174. Published Feb. 12, 1952. Class 2.

558,475. Greeting Cards. Greetings Unlimited and Co., St. Paul, Minn.
Filed Aug. 21, 1950, Serial No. 602,507. Published Feb. 12, 1952. Class 38.

558,476. High Strength Adhesive Film Sold in Roll Form. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Sept. 1, 1950, Serial No. 603,074. Published Jan. 22, 1952. Class 5.

558,477. Paint Primer for Rusted Surfaces. Thompson-Long Company, Chicago, Ill.
Filed Sept. 14, 1950, Serial No. 603,561. Published Jan. 1, 1952. Class 16.

558,478. Lenses for Spectacles. Filotecnica Salmoiraghi Società per Azioni, Milan, Italy.
Filed Sept. 12, 1950, Serial No. 603,619. Published Dec. 25, 1951. Class 26.

558,479. Lenses for Spectacles. Filotecnica Salmoiraghi Società per Azioni, Milan, Italy.
Filed Sept. 12, 1950, Serial No. 603,621. Published Dec. 25, 1951. Class 26.

558,480. Shampoo Goggles. Pams Products, Detroit, Mich.
Filed Sept. 18, 1950, Serial No. 603,698. Published Dec. 25, 1951. Class 26.

558,481. Oil Paints, Water Colors, Undercoater Therefor, Screen Lacquers, Paints for Application to Rubber and Pigments for Use in Said Goods and Similar Type Finishes. Switzer Brothers, Inc., Cleveland, Ohio.
Filed Sept. 25, 1950, Serial No. 603,967. Published Jan. 15, 1952. Class 16.

558,482. Periodicals and Instruction Booklets Relating to Fancy Work and Needle Work, Knitting, Crocheting and Weaving Patterns. N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands.
Filed Sept. 14, 1950, Serial No. 603,973. Published Feb. 12, 1952. Class 38.

558,483. Bicycles. Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden.
Filed Sept. 30, 1950, Serial No. 604,262. Published Jan. 22, 1952. Class 19.

558,484. Metal Pails. G. H. Bishop Company, Chicago, Ill.
Filed Oct. 3, 1950, Serial No. 604,347. Published Feb. 12, 1952. Class 2.

558,485. Electric Control Boxes for Controlling the Current Flow to Shirt Folding Tables and to the Irons of Ironing Boards and Containing a Switch, a Fuse and/or a Pilot Light, Etc., and Into Which the Electric Cord Is Plugged. G. H. Bishop Company, Chicago, Ill.
Filed Oct. 3, 1950, Serial No. 604,349. Published Feb. 12, 1952. Class 21.

558,486. Beef Extract. Armour and Company, Chicago, Ill.
Filed Oct. 4, 1950, Serial No. 604,415. Published Feb. 12, 1952. Class 46.

558,487. Series of Children's Educational Books and Pamphlets. Scott, Foresman and Company, Chicago, Ill.
Filed Oct. 6, 1950, Serial No. 604,552. Published Feb. 12, 1952. Class 38.

558,488. Mobile Cranes and Shovels. The Browning Crane & Shovel Company, Cleveland, Ohio.
Filed Oct. 19, 1950, Serial No. 605,144. Published Jan. 29, 1952. Class 23.

558,489. Railway Car Axle Drive Power Take-Off Units and Parts Thereof. Pullman-Standard Car Manufacturing Company, Chicago, Ill.
Filed Oct. 21, 1950, Serial No. 605,268. Published Jan. 29, 1952. Class 23.

558,490. Coin Operated Meters for Electrical Appliances. Remind-A-Meter Corporation, New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,679. Published Dec. 25, 1951. Class 26.

558,491. Series of Cartoons. V. Wesley Carmack, Arlington, Va.
Filed Nov. 3, 1950, Serial No. 605,841. Published Feb. 12, 1952. Class 38.

558,492. Automatic Centrifugal Clutches. Vunilt Corporation, doing business as Light Inspection Car Works, Hagerstown, Ind.
Filed Nov. 13, 1950, Serial No. 606,350. Published Jan. 15, 1952. Class 23.

558,493. Effervescent Antiseptic, Cleansing, and Deodorizing Tablet for Internal Use as a Vaginal Douche. Mount Laboratories, Inc., New York, N. Y., assignor to Carter Products, Inc., New York, N. Y., a corporation of Maryland.
Filed Nov. 24, 1950, Serial No. 606,881. Published Dec. 4, 1951. Class 18.

558,494. Men's Suits, Coats, Topcoats, Raincoats, Smoking Jackets, Tuxedos, and Evening Dress Suits. Hyde Park Clothes, Inc., Newport, Ky.
Filed Nov. 30, 1950, Serial No. 607,127. Published Jan. 1, 1952. Class 39.

558,495. Artificially Crimped Natural and Synthetic Textile Fibers—Namely, Wool, Cotton, Silk, Rayon, and Nylon in Fiber Form. Alexander Smith & Sons Carpet Company, Yonkers, N. Y., now by change of name Alexander Smith, Incorporated.
Filed Dec. 16, 1950, Serial No. 607,765. Published Feb. 12, 1952. Class 1.

558,496. Coffee. H. S. Fromme & Co., Inc., New York, N. Y.
Filed Dec. 29, 1950, Serial No. 608,206. Published Feb. 12, 1952. Class 46.

558,497. Magazine Publication. Izaak Walton League of America, Inc., Chicago, Ill.
Filed Jan. 4, 1951, Serial No. 608,389. Published Feb. 5, 1952. Class 38.

558,498. Sealer, Sizing and Finisher. United States Gypsum Company, Chicago, Ill.
Filed Jan. 8, 1951, Serial No. 608,524. Published Jan. 1, 1952. Class 16.

558,499. Garter for Pants. Myron Glasser, Pittsburg, Calif.
Filed Jan. 23, 1951, Serial No. 609,127. Published Nov. 6, 1951. Class 39.

558,500. Rotary Type Integrating Flow Meters for Steam, Air and Gas, and Accessories Therefor—Namely, Liquid Level Gauge Glass, Transmitter, Remote Totalizer, Flow Rate Indicator, Flow Rate Recorder, Flow Demand Indicator and Flow Demand Recorder. Builders Iron Foundry, Providence, R. I.
Filed Feb. 1, 1951, Serial No. 609,476. Published Dec. 11, 1951. Class 26.

558,501. Beam Compasses. V. & E. Manufacturing Co., Pasadena, Calif.
Filed Feb. 7, 1951, Serial No. 609,750. Published Dec. 4, 1951. Class 26.

558,502. Pharmaceutical Preparation for Use as a Vitamin and Mineral Nutritional Supplement. Charles E. Frosst & Co., Montreal, Quebec, Canada.
Filed Feb. 8, 1951, Serial No. 609,794. Published Nov. 20, 1951. Class 18.

558,503. Newspaper Published Weekly. Carmi Times Publishing Company, Carmi, Ill.
Filed Feb. 13, 1951, Serial No. 610,001. Published Jan. 29, 1952. Class 38.

558,504. Antibiotic-Containing Antibacterial Preparation. E. R. Squibb & Sons, New York, N. Y.
Filed Feb. 21, 1951, Serial No. 610,384. Published Dec. 25, 1951. Class 18.

558,505. Household and Industrial Sewing Machines and Parts Thereof. Fritz Gegauf Aktiengesellschaft, Bernina-Nähmaschinenfabrik, Steckborn, Switzerland.
Filed Feb. 26, 1951, Serial No. 610,515. Published Oct. 16, 1951. Class 23.

558,506. Ready-Mixed Exterior and Interior Paints, Protective and Decorative Cement and Stucco Paints, and Paints for Use on Floors and Plastered Walls, Varnishes and Paint Enamels. Warren Paint & Color Company, Nashville, Tenn.
Filed Feb. 26, 1951, Serial No. 610,530. Published Jan. 1, 1952. Class 16.

558,507. Deodorant Tablet for Internal Administration. Carter Products, Inc., New York, N. Y.
Filed Mar. 3, 1951, Serial No. 610,779. Published Dec. 4, 1951. Class 18.

558,508. Hemorrhoid Salve. John S. Konetes, doing business as F-E Manufacturing Company, Wilmington, N. C.
Filed Mar. 5, 1951, Serial No. 610,851. Published Dec. 4, 1951. Class 18.

558,509. Adding and Listing Machines. Aktiebolaget Åtvidaberg-Facit, Atvidaberg, Sweden.
Filed Mar. 7, 1951, Serial No. 610,944. Published Jan. 1, 1952. Class 26.

558,510. Sport Jackets, Suits and Topcoats and All Outer Coats for Men, Women, and Children. Mavest Inc., New York, N. Y.
Filed Mar. 10, 1951, Serial No. 611,137. Published Jan. 1, 1952. Class 39.

558,511. Railway Freight Cars. General American Transportation Corporation, Chicago, Ill.
Filed Mar. 14, 1951, Serial No. 611,267. Published Jan. 22, 1952. Class 19.

558,512. Medicinal Preparation for the Treatment of Spastic Conditions of the Gastrointestinal Tract. The Maltine Company, Morris Plains, N. J., now by change of name Chilcott Laboratories, Inc.
Filed Mar. 14, 1951, Serial No. 611,289. Published Dec. 25, 1951. Class 18.

558,513. Antispasmodic Tablets. O'Connell Brothers, Inc., Overland and St. Louis, Mo.
Filed Mar. 14, 1951, Serial No. 611,299. Published Dec. 18, 1951. Class 18.

558,514. Vitamin Containing Iron Tablets. O'Connell Brothers, Inc., Overland and St. Louis, Mo.
Filed Mar. 14, 1951, Serial No. 611,302. Published Dec. 25, 1951. Class 18.

558,515. Quick-Drying Coatings for the Outer Bindings of Books. Delkote, Inc., Wilmington, Del.
Filed Mar. 15, 1951, Serial No. 611,344. Published Feb. 5, 1952. Class 16.

558,516. Boxes and Cartons Made of Paperboard Material. The Gardner Board and Carton Co., Middletown, Ohio.
Filed Mar. 15, 1951, Serial No. 611,349. Published Feb. 12, 1952. Class 2.

558,517. Antihistaminic Compound Syrup. Schering Corporation, Bloomfield, N. J.
Filed Mar. 15, 1951, Serial No. 611,373. Published Dec 25, 1951. Class 18.

558,518. Tools and Machines and Parts Thereof, Etc. Heli-Coil Corporation, Danbury, Conn.
Filed Mar. 16, 1951, Serial No. 611,424. Published Jan. 22, 1952. Class 23.

558,519. Rubbing Alcohol Compound. National Package Drugs, Inc., St. Louis, Mo.
Filed Mar. 16, 1951, Serial No. 611,446. Published Dec. 18, 1951. Class 18.

558,520. Boilable and Non-Boilable Sutures. Armour and Company, Chicago, Ill.
Filed Mar. 17, 1951, Serial No. 611,467. Published Feb. 12, 1952. Class 44.

558,521. Medicinal Preparation Intended for Use as a Laxative and Tonic. Edward F. Peters, doing business as Berkely Medical Company, Berkely City, Mo.
Filed Mar. 19, 1951, Serial No. 611,529. Published Dec. 18, 1951. Class 18.

558,522. Pediatric Ointments. Davies, Rose & Company, Limited, Boston, Mass.
Filed Mar. 20, 1951, Serial No. 611,564. Published Dec. 25, 1951. Class 18.

558,523. Steel Measuring Tapes. Master Rule Manufacturing Co., Inc., Middletown, N. Y.
Filed Mar. 20, 1951, Serial No. 611,578. Published Dec. 25, 1951. Class 26.

558,524. Medicinal Preparation To Be Used in Anemia Therapy. E. S. Miller Laboratories, Inc., Los Angeles, Calif.
Filed Mar. 23, 1951, Serial No. 611,708. Published Dec. 25, 1951. Class 18.

558,525. Leather for Manufacturing Purposes, Such as Upper Leather, Sole Leather, Saddle Leather, and Furniture Leather. Nya Läderfabriks A/B Göta, Orebro, Sweden.
Filed Mar. 26, 1951, Serial No. 611,802. Published Feb. 12, 1952. Class 1.

558,526. Women's Pajamas. Rachel F. Propper, doing business as Rachel Andres, New York, N. Y.
Filed Apr. 12, 1951, Serial No. 612,556. Published Jan. 1, 1952. Class 39.

558,527. Leather Wallets, Leather Key Cases, Leather Change Purses, and Leather Brief Cases. Al Rublinsky, New York, N. Y.
Filed Apr. 12, 1951, Serial No. 612,560. Published Jan. 1, 1952. Class 3.

558,528. Rail Traction Vehicle With Retractable Road Wheels for Moving Freight and Passenger Cars. Whiting Corporation, Harvey, Ill.
Filed Apr. 12, 1951, Serial No. 612,570. Published Jan. 29, 1952. Class 19.

558,529. Electrical Transmission Lines. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, now by merger, United States Steel Company, a corporation of New Jersey.
Filed Apr. 13, 1951, Serial No. 612,577. Published Feb. 5, 1952. Class 21.

558,530. Electric Percolators. Aluminum Goods Manufacturing Company, Manitowoc, Wis.
Filed Apr. 17, 1951, Serial No. 612,723. Published Feb. 5, 1952. Class 21.

558,531. Periodical. Diameter, Inc., Brooklyn, N. Y.
Filed Apr. 18, 1951, Serial No. 612,793. Published Feb. 5, 1952. Class 38.

558,532. Greeting Cards. Nu-Art Engraving Co., Chicago, Ill.
Filed Apr. 21, 1951, Serial No. 612,971. Published Feb. 12, 1952. Class 38.

558,533. Covers or Caps of Rubber or Other Insulating Material for Terminals of Electric Appliances. George J. Harris, doing business as Harco Laboratories, Stamford, Conn.
Filed Apr. 24, 1951, Serial No. 613,070. Published Feb. 5, 1952. Class 21.

558,534. Bicycles and Structural Parts Therefor. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y.
Filed Apr. 27, 1951, Serial No. 613,223. Published Jan. 29, 1952. Class 19.

558,535. Men's Top Coats, Storm Coats, Sport Jackets, and Sport Shirts. Outdorable's, Inc., Minneapolis, Minn.
Filed Apr. 27, 1951, Serial No. 613,280. Published Jan. 1, 1952. Class 39.

558,536. Comic Feature Published in Daily Newspapers. Harry M. Cook, doing business as Harry Cook Syndicate, New York, N. Y.
Filed Apr. 28, 1951, Serial No. 613,291. Published Feb. 12, 1952. Class 38.

558,537. Acid Proof Plastic Coating. Service Industries, Philadelphia, Pa.
Filed May 7, 1951, Serial No. 613,609. Published Jan. 15, 1952. Class 16.

558,538. Publication Issued Ten Times Yearly. Brief Pub. Inc., New York, N. Y.
Filed May 8, 1951, Serial No. 613,628. Published Jan. 29, 1952. Class 38.

558,539. Periodically Issued House Organ. Stylon Corporation, Boston, Mass.
Filed May 10, 1951, Serial No. 613,744. Published Jan. 29, 1952. Class 38.

558,540. Paperboard Cartons. Robert Gair Company, Inc., New York, N. Y.
Filed May 11, 1951, Serial No. 613,772. Published Feb. 12, 1952. Class 2.

558,541. Laboratory Sterilizers and Autoclaves for Sterilizing Surgical and Dental Instruments, Glassware, Utensils, Specimens, Solutions, and Ampoules. Barnstead Still and Sterilizer Co., Boston, Mass.
Filed May 18, 1951, Serial No. 614,035. Published Feb. 5, 1952. Class 44.

558,542. Monosodium Glutamate Used To Intensify the Flavor of Foods. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed May 19, 1951, Serial No. 614,085. Published Feb. 5, 1952. Class 46.

558,543. Portable Hand-Manipulable Sprayers Used for Applying Fly Repellants, Insecticides, Disinfectants, Deodorants, and Liquid Solutions. Lowell Specialty Company, Chicago, Ill.
Filed June 4, 1951, Serial No. 614,702. Published Jan. 8, 1952. Class 23.

558,544. Valve Tappet Grinders, Valve Tappet Screw Grinders, Valve Lifter Grinders, and Rocker Arm Grinders. Ammco Tools, Inc., North Chicago, Ill.
Filed June 9, 1951, Serial No. 614,982. Published Jan. 15, 1952. Class 23.

558,545. Glove Leather. Bacmo Postman Corporation, New York, N. Y.
Filed June 21, 1951, Serial No. 615,474. Published Feb. 12, 1952. Class 1.

558,546. Newspaper Feature. William Hamilton Rousseau, Jr., doing business as Hamilton Feature Service, Orangeburg, S. C.
Filed June 26, 1951, Serial No. 615,725. Published Jan. 29, 1952. Class 38.

558,547. Printed Lesson Sheets, Printed Books, Printed Manuals, and Printed Pamphlets. International Schools Company of Latin America, Scranton, Pa.
Filed July 6, 1951, Serial No. 616,173. Published Feb. 12, 1952. Class 38.

558,548. Wire Springs for Upholstered Automobile Seats. The Universal Wire Spring Company, Bedford, Ohio.
Filed July 7, 1951, Serial No. 616,213. Published Feb. 5, 1952. Class 19.

558,549. Section in a Newspaper. The Register and Tribune Company, Des Moines, Iowa.
Filed July 11, 1951, Serial No. 616,338. Published Feb. 12, 1952. Class 38.

558,550. Magazine Published Periodically Pertaining to Current Social, Theatrical, and News Happenings or Events. Stop Publications, Inc., New York, N. Y.
Filed July 11, 1951, Serial No. 616,342. Published Feb. 12, 1952. Class 38.

558,551. Visors for Motor Vehicles. Visilite Corp., Saginaw, Mich.
Filed July 14, 1951, Serial No. 616,533. Published Feb. 12, 1952. Class 19.

Service Marks

558,552. Services in Connection With Advance Provision for Funerals, Including the Arrangement, Writing as Agent, and Placing of Funeral Insurance and the Contracting With Morticians for a Range of Fixed-Charge Services Available to Its Member Subscribers. Purple Cross, Inc., Denver, Colo.
Filed Nov. 22, 1947, Serial No. 541,371. Published June 21, 1949. Class 102.

558,553. Fertilizer Distribution Service—Namely, Injecting Ammonia Into the Soil in Controlled Amounts Whereby Ammonia Is Distributed to the Soil Surrounding Vegetation. Shell Chemical Corporation, New York, N. Y.
Filed Apr. 5, 1950, Serial No. 595,285. Published Feb. 12, 1952. Class 106.

558,554. Finishing of Textile Fabrics by Rendering Said Fabrics Shrink Proof. Peerless Textile Finishing Corp., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,318. Published Feb. 12, 1952. Class 106.

558,555. Income, Estate, and Inheritance Tax Services. John J. Gannon, Houston, Tex.
Filed Mar. 30, 1951, Serial No. 612,011. Published Feb. 12, 1952. Class 101.

558,556. Finishing of Spun Rayon and Spun Nylon Fabrics by Rendering the Said Fabrics Crease-Resistant and Setting the Residual Shrinkage of the Fabric. Marchant Textile Company, Inc., Greenville, S. C.
Filed May 4, 1951, Serial No. 613,514. Published Feb. 12, 1952. Class 106.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

558,557. (Class 26. Measuring and Scientific Appliances.) Marine Optical Mfg. Co., Boston, Mass., assignor to Marine Optical Manufacturing Co., Boston, Mass., a corporation of Massachusetts. Original filed, act of 1946, Principal Register, May 1, 1948; amended to application, Supplemental Register, Dec. 8, 1951, Serial No. 556,017.

Free-Site

The representation of the good is disclaimed.
For Ophthalmic Mountings.
Claims use since Apr. 12, 1948.

558,558. (Class 39. Clothing.) Carwood Manufacturing Company, Winder, Ga. Original filed, act of 1905, Apr. 25, 1946; amended to application under act of 1946, Principal Register, July 6, 1950; amended to Supplemental Register, July 19, 1951, Serial No. 500,859.

RICH FOR WEAR BUY A PAIR

SUPER ROYAL BLUE

For Men's and Boys' Work Pants, Work Shirts, Overalls, and Lined Coats, and Sportswear, Specifically, Men's and Boys' Slacks, Knickers, Shirts and Jackets, and Industrial Uniforms, Specifically Shirts and Pants to Match.
Claims use since October 1936.

558,559. (Class 12. Construction Materials.) Ludman Corporation, Miami, Fla. Original filed, act of 1946, Principal Register, May 27, 1948; amended to application, Supplemental Register, Nov. 27, 1950, Serial No. 557,938.

AUTO-LOK

For Window Assemblies Composed of Window Panes, Frames, and Hardware Sold as a Complete Unit.
Claims use since Jan. 6, 1947.

558,560. (Class 39. Clothing.) The Coward Shoe, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 20, 1948; amended to application, Supplemental Register, Jan. 31, 1952, Serial No. 561,730.

Style-wides by COWARD

For Men's, Women's, Boys', and Girls' Leather Shoes.
Claims use since Mar. 6, 1948.

558,561. (Class 22. Games, Toys, and Sporting Goods.) D. Sebel and Company Limited, Erith, Kent, England. Original filed, act of 1946, Principal Register, Jan. 19, 1949; amended to application, Supplemental Register, July 10, 1951, Serial No. 572,458.

TOYTLE

Priority under sec 44(d). British application Reg. No. B674,964, dated Nov. 30, 1948. Applicant claims ownership of British Registration No. 674,964, dated Nov. 30, 1948.
For Mechanical Toy Animals.

558,562. (Class 39. Clothing.) Arkwright Incorporated, New York, N. Y., assignee of Arkwright Merchandising Corporation. Original filed, act of 1946, Principal Register, May 17, 1949; amended to application, Supplemental Register, May 11, 1951, Serial No. 578,951.

MOREWEAR BRAND

For Men's, Women's, and Children's Clothing—Namely, Suits, Overcoats, Under Shirts, Stockings, Pajamas, Bath Robes, and Shoes of Leather.
Claims use since May 1, 1932.

558,563. (Class 39. Clothing.) Rosedale Knitting Company, Reading, Pa. Original filed, act of 1946, Principal Register, June 18, 1949; amended to application, Supplemental Register, Aug. 1, 1950, Serial No. 580,749.

CREPE WEAVE

For Ladies' Crepe Hosiery.
Claims use since Apr. 28, 1949.

558,564. (Class 39. Clothing.) Rosedale Knitting Company, Reading, Pa. Original filed, act of 1946, Principal Register, June 28, 1949; amended to application, Supplemental Register, Aug. 1, 1950, Serial No. 581,212.

Crepe de Nylon

For Ladies' Crepe Nylon Hosiery.
Claims use since June 16, 1949.

558,565. (Class 28. Jewelry and Precious-Metal Ware.) Paramount Wedding Ring Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 25, 1949; amended to application, Supplemental Register, Feb. 6, 1952, Serial No. 586,815.

TRU-FIT

For Wedding Rings.
Claims use since Jan. 1, 1949.

558,566. (Class 51. Cosmetics and Toilet Preparations.) Ray E. Schubert, doing business as Checker Co., Hamden, Conn. Original filed, act of 1946, Principal Register, Nov. 19, 1949; amended to application, Supplemental Register, Sept. 18, 1951, Serial No. 588,108.

Checker

For Dentifrice in the Form of Tooth Paste.
Claims use since Oct. 3, 1949.

558,567. (Class 12. Construction Materials.) Superior Aluminum Awning Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Dec. 1, 1949; amended to application, Supplemental Register, Feb. 8, 1951, Serial No. 588,661.

SUPERIOR

For Aluminum Awnings.
Claims use since May 13, 1948.

558,568. (Class 32. Furniture and Upholstery.) Lennox Metal Manufacturing Company, Inc., New York and Maspeth, N. Y. Original filed, act of 1946, Principal Register, Nov. 28, 1949; amended to application, Supplemental Register, Dec. 5, 1951, Serial No. 590,633.

STORACK

For Metal Shelving Sold in Prefabricated Units.
Claims use since Oct. 18, 1949.

558,569. (Class 39. Clothing.) John Robert Claus, doing business under the name Martin A. Pinska Store, Fairbanks, Alaska. Original filed, act of 1946, Principal Register, Apr. 21, 1950; amended to application, Supplemental Register, July 18, 1951, Serial No. 596,076.

ALASKAN WHIPCORD



For Men's Coats, Jackets, Pants, Trousers and Breeches.
Claims use since Sept. 1, 1949.

558,570. (Class 32. Furniture and Upholstery.) William Volker & Company of Missouri, Inc., Kansas City, Mo. Original filed, act of 1946, Principal Register, May 2, 1950; amended to application, Supplemental Register, Jan. 30, 1952, Serial No. 596,763.

PLASTIX

For Window Shades.
Claims use since Apr. 13, 1950.

558,571. (Class 12. Construction Materials.) The Davis Plywood Corporation, Cleveland, Ohio. Original filed, act of 1946, Principal Register, May 18, 1950; amended to application, Supplemental Register, June 15, 1951, Serial No. 597,668.

BESTPREST

For Hardboard Sheet Material Composed of Wood Fibres Banded Together Either With Natural, Plastic, or Rosin Materials and Used in Display Window Backgrounds, Store Fixtures, Wall Paneling, Standard Millwork, Furniture, and Similar Items.
Claims use since Jan. 15, 1950.

558,572. (Class 39. Clothing.) Carmine Addesso, doing business under the firm name and style of Subway Tailors, San Diego, Calif. Filed May 19, 1950, Serial No. 597,723.

BESTBILT

For Men's and Boys' Outer Garments—Namely, Sailor Suits, Blouses, Coats, Vests, Pants, Knickerbockers, and Uniforms, Uniform Hats and Caps.
Claims use since June 1923.

558,573. (Class 46. Foods and Ingredients of Foods.) Sembodja Corporation of New York, New York, N. Y. Original filed, act of 1946, Principal Register, June 3, 1950; amended to application, Supplemental Register, Feb. 1, 1952, Serial No. 598,548.



The Chinese characters within the circles may be translated as "Tea" and those within the rectangles as "Chinese Famous Tea." All wording is disclaimed.
For Tea.
Claims use since Apr. 15, 1950.

558,574. (Class 39. Clothing.) Eagle Bros., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 31, 1950; amended to application, Supplemental Register, Jan. 7, 1952, Serial No. 603,004.

"HI-CRAFT"

For Men's, Women's and Boys' Outer Shirts.
Claims use since July 1950.

558,575. (Class 39. Clothing.) Harry Camp Millinery Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, Sept. 2, 1950; amended to application, Supplemental Register, Aug. 6, 1951, Serial No. 603,111.

AN ORIGINAL by Dayne

The word "Dayne" is fanciful.
For Ladies' Hats.
Claims use since May 22, 1950.

558,576. (Class 51. Cosmetics and Toilet Preparations.) The Nestle-Lemur Company, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 11, 1950; amended to application, Supplemental Register, Sept. 10, 1951, Serial No. 604,736.

Shorty

For Lipsticks.
Claims use since Aug. 31, 1950.

558,577. (Class 39. Clothing.) Portland Footwear Co., Portland, Maine, assignor to F. Burkart Manufacturing Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Nov. 29, 1950; amended to application, Supplemental Register, Nov. 9, 1951, Serial No. 607,094.

Snappy Walker's

For Women's, Misses', and Growing Girls' Shoes.
Claims use since Oct. 23, 1950.

558,578. (Class 3. Baggage, Animal Equipments, Portfolios and Pocketbooks.) Nash Inc., Jersey City, N. J. Original filed, act of 1946, Principal Register, Jan. 2, 1951; amended to application, Supplemental Register, Feb. 4, 1952, Serial No. 608,283.

CORDETONE

For Wallets, Billfolds, Purses and Pocket-Books.
Claims use since Oct. 16, 1950.

558,579. (Class 51. Cosmetics and Toilet Preparations.) The Barbasol Company, Indianapolis, Ind. Original filed, act of 1946, Principal Register, Feb. 2, 1951; amended to application, Supplemental Register, Jan. 29, 1952, Serial No. 609,526.

SERVICE SPECIAL

For Shaving Cream.
Claims use since July 1, 1941.

558,580. (Class 39. Clothing.) Marianna Girl Coat Co., Ltd., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 5, 1951; amended to application, Supplemental Register, Jan. 21, 1952, Serial No. 610,859.



The representation of the two girls is fanciful.
For Children's and Misses' Coats, Suits, Dresses, Legging Sets, Slack Sets, and Ski Sets.
Claims use since September 1950.

558,581. (Class 39. Clothing.) Farah Manufacturing Company, Inc., El Paso, Tex. Original filed, act of 1946, Principal Register, Apr. 20, 1951; amended to application, Supplemental Register, Jan. 11, 1952, Serial No. 612,900.

FARAH

For Boys' and Men's Denim Jackets, Men's Work Pants and Shirts, Men's and Boys' Jeans, Girls' and Ladies' Jeans.
Claims use since Mar. 24, 1948.

558,582. (Class 39. Clothing.) Calwelt Shoe Co., Los Angeles, Calif. Original filed, act of 1946, Principal Register, June 22, 1951; amended to application, Supplemental Register, Feb. 8, 1952, Serial No. 615,535.

FLEXSOFT

For Men's, Women's and Children's Shoes Made of Leather, Fabric, Plastic, Rubber and Combinations Thereof.
Claims use since June 26, 1950.

558,583. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The Geo. H. Gascoigne Company Limited, Reading, England. Original filed, act of 1946, Principal Register, July 13, 1951; amended to application, Supplemental Register, Mar. 4, 1952, Serial No. 616,422.

KEE KLAMP

Applicant claims ownership of British Registration No. B.650,042, dated July 22, 1946.
For Clamp Connectors Made of Common Metal for Joining Metal Tubes Used in Tubular Construction Work Such as Hand Railings, Storage Racks, and Scaffolding; and Metal Screw Keys for Such Clamps.

558,584. (Class 39. Clothing.) Melori Shoe Corp., Roxbury, Boston, Mass. Filed Sept. 21, 1951, Serial No. 619,095.

Bellini "Original"

For Women's and Misses' Shoes.
Claims use since July 21, 1950.

Service Mark

558,585. (Class 105. Transportation and Storage.) Mohawk Motor Lines, Inc., Nashville, Tenn. Original filed, act of 1946, Principal Register, Aug. 8, 1949; amended to application, Supplemental Register, Oct. 31, 1951, Serial No. 583,158.

HAM FROM OLD HICKORY LAND
WEHBY SYSTEM

For Transporting of Packing-House Products by Motor Van.
Claims use since 1936.

TRADE-MARK REGISTRATIONS RENEWED

37,907. "ACHESON" ETC. AND DRAWING. Registered Mar. 4, 1902. Int'l Acheson Graphite Company, Niagara Falls, N. Y. Re-renewed Mar. 4, 1952, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Graphite and Carbon and Graphitic and Carbonaceous Products. Class 1.

81,781. GREYSTONE. Registered May 9, 1911. California Wine Association. Re-renewed May 9, 1951, to California Wine Association, San Francisco, Calif., an association organized under the laws of California. Hock-Type Wine. Class 47.

85,468. MOORAMEL. Registered Feb. 20, 1912. Benjamin Moore & Co., Brooklyn, N. Y. Re-renewed Feb. 20, 1952, to Benjamin Moore & Co., New York, N. Y., a corporation of New Jersey. Oil-Paints. Class 16.

85,714. RECKITT. Registered Mar. 5, 1912. Reckitt & Sons Ltd., Hull, England. Re-renewed Mar. 5, 1952, to The R. T. French Company, Rochester, N. Y., a corporation of Delaware. Laundry Tints. Class 6.

85,938. ATLAS. Registered Apr. 2, 1912. The Atlas Portland Cement Company, Northampton, Pa. Re-renewed Apr. 2, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Lime, Hydrated Lime, and Building-Plaster Compositions. Class 12.

86,478. MILLPRIDE. Registered May 7, 1912. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Re-renewed May 7, 1952. Flour. Class 46.

87,336. REGO. Registered July 9, 1912. Hardwick & Magee Company, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed July 9, 1952. Woven Carpets and Rugs. Class 42.

87,414. "RED TOP" AND DRAWING. Registered July 16, 1912. J. C. Blair Company, Huntingdon, Pa. Re-renewed July 16, 1952, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware. Paper for Writing and Printing Purposes, Drawing-Paper, Pencil-Paper, Etc. Class 37.

87,419. E-Z. Registered July 16, 1912. E. A. Bromund Company, New York, N. Y. Re-renewed July 16, 1952, to Hood Chemical Co., Inc., Philadelphia, Pa., a corporation of New York. Laundry-Starch Polish. Class 6.

288,702. "ATLAS" ETC. AND REPRESENTATION OF RUBBER TIRE. Registered Nov. 3, 1931. Atlas Supply Company, New York, N. Y. Renewed Nov. 3, 1951, to Atlas Supply Company, Newark, N. J., a corporation of Delaware. Rubber Tires. Class 35.

289,414. NATIONAL. Registered Nov. 24, 1931. National Bellas Hess Co. Inc., New York, N. Y. Renewed Nov. 24, 1951, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Dresses, Outer Suits for Women and Children, Cloaks, Coats, Jackets, Etc. Class 39.

290,216. "WHITE KING" AND DRAWING. Registered Dec. 22, 1931. Los Angeles Soap Company, Los Angeles, Calif., a corporation of California. Renewed Dec. 22, 1951. Water Softener. Class 6.

290,562. NATIONAL. Registered Jan. 12, 1932. National Bellas Hess Co. Inc., New York, N. Y. Renewed Jan. 12, 1952, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Tennis Rackets, Tennis Balls, Indoor and Playground Balls, Baseball Gloves and Mitts, Etc. Class 22.

291,095. "MACK" AND DESIGN. Registered Jan. 26, 1932. International Motor Company. Renewed Jan. 26, 1952, to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware. Motor Trucks. Class 19.

291,188. THATCHON. Registered Feb. 2, 1932. The Paraffine Companies, Inc. Renewed Feb. 2, 1952, to Pabco Products Inc., San Francisco, Calif., a corporation of Delaware. Prepared Shingles Made of Fibrous Sheet Material Which May or May Not Be Coated and/or Saturated in Whole or in Part With a Bituminous or Asphaltic Compound. Class 12.

291,297. NOTARY BOND. Registered Feb. 9, 1932. Hampshire Paper Company, South Hadley Falls, Mass. Renewed Feb. 9, 1952, to Valley Paper Company, Holyoke, Mass., a corporation of Massachusetts. Writing and Printing Paper. Class 37.

291,376. WINNER. Registered Feb. 9, 1932. Winner Toys, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 9, 1952. Toy Electric Trains and Accessories Therefor. Class 22.

291,745. CAMPUS QUEEN. Registered Feb. 23, 1932. National Bellas Hess Co. Inc., New York, N. Y. Renewed Feb. 23, 1952, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Misses', Juniors', and Girls' Shoes of Leather, Fabric, Combinations Thereof and With Leather or Rubber Soles. Class 39.

291,754. GEM. Registered Feb. 23, 1932. Louis H. Lehman, doing business as Lehman Sprayshield Company. Renewed Feb. 23, 1952, to Lehman Sprayshield Company, Philadelphia, Pa., a corporation of Pennsylvania. Glass Shower Stall Doors, Shower Bath Shields, and Bath Enclosures. Class 13.

291,913. PARTYNAPS. Registered Feb. 23, 1932. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed Feb. 23, 1952. Paper Napkins. Class 37.

292,393. "ATLAS" ETC. AND DRAWING LINED FOR LIGHT BLUE AND WHITE. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,394. "UNIVERSAL" AND DRAWING LINED FOR BROWN AND BLACK. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,395. "ATLAS" ETC. AND DRAWING LINED FOR BROWN AND BLACK. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,396. "ATLAS" ETC. AND DRAWING LINED FOR DARK BLUE AND WHITE. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,548. CARMELCRISP. Registered Mar. 15, 1932. Herbert W. Eakins. Renewed Mar. 15, 1952, to Herbert W. Eakins, Jr., doing business as The Long-Eakins Company, Springfield, Ohio. Sugar Coated Pop Corn. Class 46.

292,666. "WEATHERBIRD" ETC. AND DRAWING. Registered Mar. 22, 1932. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed Mar. 22, 1952. Boots and Shoes of Leather, Fabric, and Combinations Thereof. Class 39.

293,015. ANGELUS. Registered Apr. 5, 1932. Los Angeles Soap Company, Los Angeles, Calif., a corporation of California. Renewed Apr. 5, 1952. Soaps—Namely, Shaving Soap. Class 51.

293,016. ANVIL. Registered Apr. 5, 1932. Los Angeles Soap Company, Los Angeles, Calif., a corporation of California. Renewed Apr. 5, 1952. Soap. Class 52.

293,113. MONUMENTAL. Registered Apr. 12, 1932. American Bank Stationery Company, Baltimore, Md., a corporation of Maryland. Renewed Apr. 12, 1952. Checks, Check-Paper, Check-Books, and Check-Book Covers. Class 37.

293,164. NATIONAL. Registered Apr. 12, 1932. National Bellas Hess Co. Inc., New York, N. Y. Renewed Apr. 12, 1952, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Two Piece, Three Piece, and Four Piece Suits for Men and Boys; Dress Trousers for Men, Etc. Class 39.

293,672. "WORTENDYKE'S" ETC. AND DESIGN. Registered May 3, 1932. Wortendyke Manufacturing Company, Richmond, Va., a corporation of Virginia. Renewed May 3, 1952. Gummed Papers, Toilet Papers, Paper Cloth. Class 37.

293,701. DOLLY MADISON. Registered May 3, 1932. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed May 3, 1952. Toilet Paper, Paper Towels, Paper Napkins, Paper Doilies, Etc. Class 37.

293,741. TEANAPS. Registered May 3, 1932. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed May 3, 1952. Toilet Paper, Paper Towels, Paper Napkins, Paper Doilies, Etc. Class 37.

293,783. "MAYFLOWER" ETC. AND DRAWING. Registered May 3, 1932. Mayflower Dress Co., Inc., New York, N. Y., a corporation of New York. Renewed May 3, 1952. Ladies', Misses', and Juniors' Skirts, Blouses, Dresses, Suits, and Frocks. Class 39.

293,870. FASTERFAT. Registered May 10, 1932. Fasterfat Limited. Renewed May 10, 1952, to National Sea Products Limited, Halifax, Nova Scotia, Canada, a company organized under the laws of the Province of Nova Scotia. Fish Meal, a Stock and Poultry Feed. Class 46.

294,181. SUPERCLAMP. Registered May 24, 1932. The Cincinnati Tool Co., Norwood, Ohio, a corporation of Ohio. Renewed May 24, 1952. Clamps. Class 23.

294,236. OSAGE. Registered May 24, 1932. The Hull & Dillon Packing Company, Pittsburg, Kans., a corporation of Kansas. Renewed May 24, 1952. Bacon. Class 46.

294,365. "KRAFBAK" WITH BROKEN UNDERLINE. Registered May 24, 1932. Wortendyke Manufacturing Company, Richmond, Va., a corporation of Virginia. Renewed May 24, 1952. Gummed Sealing Tape. Class 5.

294,403. "MODES OF THE MOMENT!" AND DRAWING. Registered May 24, 1932. The Associated Press, New York, N. Y., a corporation of New York. Renewed May 24, 1952. Newspaper Articles. Class 38.

294,543. "ORLEANS MAID" AND DRAWING LINED FOR RED AND BLUE. Registered May 31, 1932. The Alden Mills, New Orleans, La., a corporation of Louisiana. Renewed May 31, 1952. Hosiery. Class 39.

294,903. DOMESTIC. Registered June 7, 1932. National Broom Manufacturing Company, Pueblo, Colo., a corporation of Colorado. Renewed June 7, 1952. Brooms. Class 29.

294,904. DUSTLESS JANE. Registered June 7, 1932. National Broom Manufacturing Company, Pueblo, Colo., a corporation of Colorado. Renewed June 7, 1952. Brooms. Class 29.

294,999. "METAL EDGE" WITH HEAVY UNDERLINE. Registered June 14, 1932. National Metal Edge Box Company. Renewed June 14, 1952, to National Metal Edge Box Company, Philadelphia, Pa., a corporation of Pennsylvania. Machines for Making Metal Stays and Machines for Applying Metal Stays to Paper Boxes. Class 23.

295,165. ROSARY. Registered June 21, 1932. Dominican Fathers Province of St. Joseph, New York, N. Y., an unincorporated association. Renewed June 21, 1952. Magazines. Class 38.

295,180. "STURDY LOOMED" AND DRAWING. Registered June 21, 1932. Chas. Douglis-Mack Co. Inc., New York, N. Y. Renewed June 21, 1952, to Morris Mack, Jamaica, N. Y. Men's, Boys', and Youths' Clothing—Viz., Overcoats; Two-Piece Suits, Etc. Class 39.

295,487. DU-ONS. Registered July 5, 1932. Duofold Health Underwear Company. Renewed July 5, 1952, to Duofold Inc., Mohawk, N. Y., a corporation of New York. Men's and Boys' Underwear. Class 39.

295,822. FLINT RIVER. Registered July 12, 1932. Cairo Syrup Company, Atlanta, Ga. Renewed July 12, 1952, to Alabama Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama. Blended Cane and Corn Syrup. Class 46.

295,823. PINEY WOODS. Registered July 12, 1932. Cairo Syrup Company, Atlanta, Ga. Renewed July 12, 1952, to Alabama Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama. Cane Syrup. Class 46.

295,982. IDEAL. Registered July 19, 1932. Ideal Novelty & Toy Co., Brooklyn, N. Y. Renewed July 19, 1952, to Ideal Toy Corporation, Hollis, Long Island, N. Y., a corporation of New York. Dolls. Class 22.

296,091. EXTRALIN. Registered July 19, 1932. Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana. Renewed July 19, 1952. Powdered Liver Extract To Be Taken Orally in Capsules in the Treatment of Anemia. Class 18.

558,584. (Class 39. Clothing.) Melori Shoe Corp., Roxbury, Boston, Mass. Filed Sept. 21, 1951, Serial No. 619,095.

Bellini "Original"

For Women's and Misses' Shoes.
Claims use since July 21, 1950.

Service Mark

558,585. (Class 105. Transportation and Storage.) Mohawk Motor Lines, Inc., Nashville, Tenn. Original filed, act of 1946, Principal Register, Aug. 8, 1949; amended to application, Supplemental Register, Oct. 31, 1951, Serial No. 583,158.

HAM FROM OLD HICKORY LAND
WEHBY SYSTEM

For Transporting of Packing-House Products by Motor Van.
Claims use since 1936.

TRADE-MARK REGISTRATIONS RENEWED

37,907. "ACHESON" ETC. AND DRAWING. Registered Mar. 4, 1902. Int'l Acheson Graphite Company, Niagara Falls, N. Y. Re-renewed Mar. 4, 1952, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Graphite and Carbon and Graphitic and Carbonaceous Products. Class 1.

81,781. GREYSTONE. Registered May 9, 1911. California Wine Association. Re-renewed May 9, 1951, to California Wine Association, San Francisco, Calif., an association organized under the laws of California. Hock-Type Wine. Class 47.

85,468. MOORAMEL. Registered Feb. 20, 1912. Benjamin Moore & Co., Brooklyn, N. Y. Re-renewed Feb. 20, 1952, to Benjamin Moore & Co., New York, N. Y., a corporation of New Jersey. Oil-Paints. Class 16.

85,714. RECKITT. Registered Mar. 5, 1912. Reckitt & Sons Ltd., Hull, England. Re-renewed Mar. 5, 1952, to The R. T. French Company, Rochester, N. Y., a corporation of Delaware. Laundry Tints. Class 6.

85,938. ATLAS. Registered Apr. 2, 1912. The Atlas Portland Cement Company, Northampton, Pa. Re-renewed Apr. 2, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Lime, Hydrated Lime, and Building-Plaster Compositions. Class 12.

86,478. MILLPRIDE. Registered May 7, 1912. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Re-renewed May 7, 1952. Flour. Class 46.

87,336. REGO. Registered July 9, 1912. Hardwick & Magee Company, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed July 9, 1952. Woven Carpets and Rugs. Class 42.

87,414. "RED TOP" AND DRAWING. Registered July 16, 1912. J. C. Blair Company, Huntingdon, Pa. Re-renewed July 16, 1952, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware. Paper for Writing and Printing Purposes, Drawing-Paper, Pencil-Paper, Etc. Class 37.

87,419. E-Z. Registered July 16, 1912. E. A. Bromund Company, New York, N. Y. Re-renewed July 16, 1952, to Hood Chemical Co., Inc., Philadelphia, Pa., a corporation of New York. Laundry-Starch Polish. Class 6.

288,702. "ATLAS" ETC. AND REPRESENTATION OF RUBBER TIRE. Registered Nov. 3, 1931. Atlas Supply Company, New York, N. Y. Renewed Nov. 3, 1951, to Atlas Supply Company, Newark, N. J., a corporation of Delaware. Rubber Tires. Class 35.

289,414. NATIONAL. Registered Nov. 24, 1931. National Bellas Hess Co. Inc., New York, N. Y. Renewed Nov. 24, 1951, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Dresses, Outer Suits for Women and Children, Cloaks, Coats, Jackets, Etc. Class 39.

290,216. "WHITE KING" AND DRAWING. Registered Dec. 22, 1931. Los Angeles Soap Company, Los Angeles, Calif., a corporation of California. Renewed Dec. 22, 1951. Water Softener. Class 6.

290,562. NATIONAL. Registered Jan. 12, 1932. National Bellas Hess Co. Inc., New York, N. Y. Renewed Jan. 12, 1952, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Tennis Rackets, Tennis Balls, Indoor and Playground Balls, Baseball Gloves and Mitts, Etc. Class 22.

291,095. "MACK" AND DESIGN. Registered Jan. 26, 1932. International Motor Company. Renewed Jan. 26, 1952, to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware. Motor Trucks. Class 19.

291,188. THATCHON. Registered Feb. 2, 1932. The Paraffine Companies, Inc. Renewed Feb. 2, 1952, to Pabco Products Inc., San Francisco, Calif., a corporation of Delaware. Prepared Shingles Made of Fibrous Sheet Material Which May or May Not Be Coated and/or Saturated in Whole or in Part With a Bituminous or Asphaltic Compound. Class 12.

291,297. NOTARY BOND. Registered Feb. 9, 1932. Hampshire Paper Company, South Hadley Falls, Mass. Renewed Feb. 9, 1952, to Valley Paper Company, Holyoke, Mass., a corporation of Massachusetts. Writing and Printing Paper. Class 37.

291,376. WINNER. Registered Feb. 9, 1932. Winner Toys, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 9, 1952. Toy Electric Trains and Accessories Therefor. Class 22.

291,745. CAMPUS QUEEN. Registered Feb. 23, 1932. National Bellas Hess Co. Inc., New York, N. Y. Renewed Feb. 23, 1952, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Misses', Juniors', and Girls' Shoes of Leather, Fabric, Combinations Thereof and With Leather or Rubber Soles. Class 39.

291,754. GEM. Registered Feb. 23, 1932. Louis H. Lehman, doing business as Lehman Sprayshield Company. Renewed Feb. 23, 1952, to Lehman Sprayshield Company, Philadelphia, Pa., a corporation of Pennsylvania. Glass Shower Stall Doors, Shower Bath Shields, and Bath Enclosures. Class 13.

291,913. PARTYNAPS. Registered Feb. 23, 1932. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed Feb. 23, 1952. Paper Napkins. Class 37.

292,393. "ATLAS" ETC. AND DRAWING LINED FOR LIGHT BLUE AND WHITE. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,394. "UNIVERSAL" AND DRAWING LINED FOR BROWN AND BLACK. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,395. "ATLAS" ETC. AND DRAWING LINED FOR BROWN AND BLACK. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,396. "ATLAS" ETC. AND DRAWING LINED FOR DARK BLUE AND WHITE. Registered Mar. 15, 1932. Universal Atlas Cement Company, Chicago, Ill. Renewed Mar. 15, 1952, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Portland Cement. Class 12.

292,548. CARMELCRISP. Registered Mar. 15, 1932. Herbert W. Eakins. Renewed Mar. 15, 1952, to Herbert W. Eakins, Jr., doing business as The Long-Eakins Company, Springfield, Ohio. Sugar Coated Pop Corn. Class 46.

292,666. "WEATHERBIRD" ETC. AND DRAWING. Registered Mar. 22, 1932. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed Mar. 22, 1952. Boots and Shoes of Leather, Fabric, and Combinations Thereof. Class 39.

293,015. ANGELUS. Registered Apr. 5, 1932. Los Angeles Soap Company, Los Angeles, Calif., a corporation of California. Renewed Apr. 5, 1952. Soaps—Namely, Shaving Soap. Class 51.

293,016. ANVIL. Registered Apr. 5, 1932. Los Angeles Soap Company, Los Angeles, Calif., a corporation of California. Renewed Apr. 5, 1952. Soap. Class 52.

293,113. MONUMENTAL. Registered Apr. 12, 1932. American Bank Stationery Company, Baltimore, Md., a corporation of Maryland. Renewed Apr. 12, 1952. Checks, Check-Paper, Check-Books, and Check-Book Covers. Class 37.

293,164. NATIONAL. Registered Apr. 12, 1932. National Bellas Hess Co. Inc., New York, N. Y. Renewed Apr. 12, 1952, to National Bellas Hess, Inc., North Kansas City, Mo., a corporation of Delaware. Two Piece, Three Piece, and Four Piece Suits for Men and Boys; Dress Trousers for Men, Etc. Class 39.

293,672. "WORTENDYKE'S" ETC. AND DESIGN. Registered May 3, 1932. Wortendyke Manufacturing Company, Richmond, Va., a corporation of Virginia. Renewed May 3, 1952. Gummed Papers, Toilet Papers, Paper Cloth. Class 37.

293,701. DOLLY MADISON. Registered May 3, 1932. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed May 3, 1952. Toilet Paper, Paper Towels, Paper Napkins, Paper Doilies, Etc. Class 37.

293,741. TEANAPS. Registered May 3, 1932. Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin. Renewed May 3, 1952. Toilet Paper, Paper Towels, Paper Napkins, Paper Doilies, Etc. Class 37.

293,783. "MAYFLOWER" ETC. AND DRAWING. Registered May 3, 1932. Mayflower Dress Co., Inc., New York, N. Y., a corporation of New York. Renewed May 3, 1952. Ladies', Misses', and Juniors' Skirts, Blouses, Dresses, Suits, and Frocks. Class 39.

293,870. FASTERFAT. Registered May 10, 1932. Fasterfat Limited. Renewed May 10, 1952, to National Sea Products Limited, Halifax, Nova Scotia, Canada, a company organized under the laws of the Province of Nova Scotia. Fish Meal, a Stock and Poultry Feed. Class 46.

294,181. SUPERCLAMP. Registered May 24, 1932. The Cincinnati Tool Co., Norwood, Ohio, a corporation of Ohio. Renewed May 24, 1952. Clamps. Class 23.

294,236. OSAGE. Registered May 24, 1932. The Hull & Dillon Packing Company, Pittsburg, Kans., a corporation of Kansas. Renewed May 24, 1952. Bacon. Class 46.

294,365. "KRAFBAK" WITH BROKEN UNDERLINE. Registered May 24, 1932. Wortendyke Manufacturing Company, Richmond, Va., a corporation of Virginia. Renewed May 24, 1952. Gummed Sealing Tape. Class 5.

294,403. "MODES OF THE MOMENT!" AND DRAWING. Registered May 24, 1932. The Associated Press, New York, N. Y., a corporation of New York. Renewed May 24, 1952. Newspaper Articles. Class 38.

294,543. "ORLEANS MAID" AND DRAWING LINED FOR RED AND BLUE. Registered May 31, 1932. The Alden Mills, New Orleans, La., a corporation of Louisiana. Renewed May 31, 1952. Hosiery. Class 39.

294,903. DOMESTIC. Registered June 7, 1932. National Broom Manufacturing Company, Pueblo, Colo., a corporation of Colorado. Renewed June 7, 1952. Brooms. Class 29.

294,904. DUSTLESS JANE. Registered June 7, 1932. National Broom Manufacturing Company, Pueblo, Colo., a corporation of Colorado. Renewed June 7, 1952. Brooms. Class 29.

294,999. "METAL EDGE" WITH HEAVY UNDERLINE. Registered June 14, 1932. National Metal Edge Box Company. Renewed June 14, 1952, to National Metal Edge Box Company, Philadelphia, Pa., a corporation of Pennsylvania. Machines for Making Metal Stays and Machines for Applying Metal Stays to Paper Boxes. Class 23.

295,165. ROSARY. Registered June 21, 1932. Dominican Fathers Province of St. Joseph, New York, N. Y., an unincorporated association. Renewed June 21, 1952. Magazines. Class 38.

295,180. "STURDY LOOMED" AND DRAWING. Registered June 21, 1932. Chas. Douglis-Mack Co. Inc., New York, N. Y. Renewed June 21, 1952, to Morris Mack, Jamaica, N. Y. Men's, Boys', and Youths' Clothing—Viz., Overcoats; Two-Piece Suits, Etc. Class 39.

295,487. DU-ONS. Registered July 5, 1932. Duofold Health Underwear Company. Renewed July 5, 1952, to Duofold Inc., Mohawk, N. Y., a corporation of New York. Men's and Boys' Underwear. Class 39.

295,822. FLINT RIVER. Registered July 12, 1932. Cairo Syrup Company, Atlanta, Ga. Renewed July 12, 1952, to Alabama Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama. Blended Cane and Corn Syrup. Class 46.

295,823. PINEY WOODS. Registered July 12, 1932. Cairo Syrup Company, Atlanta, Ga. Renewed July 12, 1952, to Alabama Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama. Cane Syrup. Class 46.

295,982. IDEAL. Registered July 19, 1932. Ideal Novelty & Toy Co., Brooklyn, N. Y. Renewed July 19, 1952, to Ideal Toy Corporation, Hollis, Long Island, N. Y., a corporation of New York. Dolls. Class 22.

296,091. EXTRALIN. Registered July 19, 1932. Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana. Renewed July 19, 1952. Powdered Liver Extract To Be Taken Orally in Capsules in the Treatment of Anemia. Class 18.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

171,311. "MISS AMERICA" AND DRAWING. Registered Aug. 7, 1923. American Pickle & Canning Co., Hattiesburg, Miss. Pickles, Canned Vegetables. Class 46. Amended as follows: In the statement, line 9, "canned vegetables" is deleted.

391,401. BOB O LINK. Registered Nov. 4, 1941. W. F. Straub & Company, Chicago, Ill. Honey. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising Colorado, New Mexico, Arizona, Utah, Texas, Oklahoma, and Kansas, by order of the Commissioner dated Apr. 3, 1952, following decision on Concurrent Use Proceeding No. 69, *The Colorado Milling & Elevator Co.* v. *W. F. Straub & Company.*

422,749. PARALISTIC. Registered Aug. 13, 1946. Paralistic Products Co., Inc., New York, N. Y. Caulking Compounds. Class 12. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to caulking compounds sold other than to persons engaged in the construction of streets, roads, airport runways and the like, by order of the Commissioner dated Apr. 4, 1952, following decision on Concurrent Use Proceeding No. 52, *Servicised Products Corporation* v. *Paralistic Products Co., Inc.*

547,824. PRY. Registered Sept. 11, 1951, Sanipro Corporation of America, Incorporated, now by change of name Pry Corporation of America, Brooklyn, N. Y. Chemical Cleanser and Disinfectant for Toilet Bowls and Urinals. Class 52. Corrected as follows: In the certificate, line 3, second occurrence; and in the statement, line 3, "New York" should be *Delaware.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

295,153. J R A. Registered June 21, 1932. Renewed as of June 21, 1952. Compania de Jarcia de Matanzas S. A. Sisal Fibre. Class 1. New certificate under section 7(c) issued May 6, 1952, to Henequenera de Juragua, S. A., Habana, Cuba, a corporation of Cuba.

295,154. MTA. Registered June 21, 1932. Renewed as of June 21, 1952. Compania de Jarcia de Matanzas S. A. Sisal Fibre. Class 1. New certificate under section 7(c) issued May 6, 1952, to Agricola del Yumuri, S. A., Habana, Cuba, a corporation of Cuba.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 7

CORDAGE

Reg. No. 289,857. Registered Dec. 8, 1931. R. Hood Haggie & Son, Limited, Newcastle-on-Tyne, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.

TITAN

For Ropes Made of Manila Hemp.
Claims use since October 1929.

CLASS 26

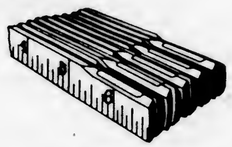
MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 212,178. Registered Apr. 27, 1926. Lufkin Rule Co., Saginaw, Mich., a corporation of Michigan. Republished by registrant.

RED END

The drawing is lined for red.
For Folding Rules.
Claims use since Oct. 1, 1925.

Reg. No. 224,093. Registered Feb. 15, 1927. Lufkin Rule Co., Saginaw, Mich., a corporation of Michigan. Republished by registrant.



The drawing is lined for red. The representation of a folding rule is disclaimed apart from the drawing.
For Folding Rules.
Claims use since Oct. 1, 1925.

Reg. No. 335,235. Registered May 26, 1936. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.

MEZURALL

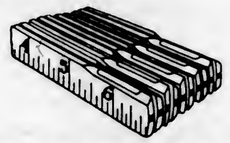
For Measuring Tapes.
Claims use since Jan. 9, 1936.

Reg. No. 354,372. Registered Feb. 8, 1938. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.



For Measuring Tapes.
Claims use since May 5, 1937.

Reg. No. 379,086. Registered July 2, 1940. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.



The representation of a folding rule is disclaimed. The mark consists of a stripe of red color on the end of the folded rule, the color of the stripe contrasting with the color of the end of the rule.
For Folding Rules.
Claims use since Mar. 11, 1939.

Reg. No. 381,006. Registered Sept. 10, 1940. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.



The plate portion, as such, is disclaimed.
For Tape Measures.
Claims use since Feb. 29, 1940.

Reg. No. 381,007. Registered Sept. 10, 1940. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.

"ATLAS"

For Tape Measures.
Claims use since Mar. 30, 1928.

Reg. No. 381,036. Registered Sept. 10, 1940. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.



The plate portion, as such, is disclaimed.
For Tape Measures.
Claims use since Feb. 29, 1940.

Reg. No. 392,488. Registered Dec. 30, 1941. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.

RANGER

For Measuring Instruments, Particularly Measuring Tapes.
Claims use since Oct. 18, 1940.

Reg. No. 427,825. Registered Feb. 25, 1947. The Lufkin Rule Co., Saginaw, Mich., a corporation of Michigan. Republished by registrant.

"STERLING"

For Measuring Tapes.
Claims use since October 1893.

Reg. No. 427,826. Registered Feb. 25, 1947. The Lufkin Rule Co., Saginaw, Mich., a corporation of Michigan. Republished by registrant.

"Universal"

For Measuring Tapes.
Claims use since June 1897.

Reg. No. 431,741. Registered Aug. 5, 1947. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.

HI-WAY

For Measuring Tapes.
Claims use since Dec. 1, 1932.

Reg. No. 431,742. Registered Aug. 5, 1947. The Lufkin Rule Company, Saginaw, Mich., a corporation of Michigan. Republished by registrant.

SUPER HI-WAY

For Measuring Tapes.
Claims use since June 20, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 280,608. Registered Feb. 24, 1931. Max Kronstadt, doing business as Bristol Seamless Ring Co., New York, N. Y. Republished by Bristol Seamless Ring Company, New York, N. Y., a firm.

TO LOVE

For Finger Rings.
Claims use since about January 1930.

CLASS 39

CLOTHING

Reg. No. 292,410. Registered Mar. 15, 1932. Melville Shoe Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

Mel·tex

For Hosiery.
Claims use since Oct. 1, 1930.

Reg. No. 405,866. Registered Feb. 29, 1944. Millbrook Manufacturing Corp., New York, N. Y., a corporation of New York. Republished by registrant.

Twinkle Spun

The word "Spun" is disclaimed apart from the mark as shown.

For Children's and Women's Ski Suits, Beach Wear—Namely, Slacks, Shorts, Skirts, Play Suits, Shirts, and Coveralls; and Sportswear—Namely, Skirts, Jackets, Slacks, Shirts, Shorts, Ski-Pants, Ski-Jackets, Riding Pants, and Snow Suits.
Claims use since the year 1936.

Reg. No. 431,489. Registered July 22, 1947. Victory Shoe Company, St. Louis, Mo. Republished by Heydays Shoes, Inc., St. Louis, Mo., a corporation of Missouri.



For Women's and Girls' Shoes of Leather, Fabric, Rubber, Plastics, and/or Combinations Thereof.
Claims use since Aug. 19, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 290,560. Registered Jan. 12, 1932. Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Republished by registrant.



The words "Trade Mark" and "Fabrics" are disclaimed apart from the mark as shown. The drawing is lined for red and blue.

For Sheetings, Shirtings, Denims, Twills, and Other Similar Fabrics Woven of Cotton.
Claims use since July 1, 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 289,197. Registered Nov. 24, 1931. Edmands Coffee Company, Boston, Mass., a corporation of Massachusetts. Republished by registrant.



For Coffee and Tea.
Claims use since about July 1, 1914.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 291,699. Registered Feb. 23, 1932. R. E. Tongue & Bros. Co., Inc., Philadelphia, Pa., a corporation of Delaware. Republished by registrant.



For Fly Ribbon, Fly Paper, Fly Tape, and Fly Swatters.
Claims use since on or about Sept. 26, 1931.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 70,935. Registered Oct. 20, 1908. The C. B. Woodworth Sons Co., Rochester, N. Y. Republished by Bourjois, Inc., New York, N. Y., a corporation of New York.

BLUE LILY

For Toilet Cream.
Claims use since June 1, 1907.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 292,268. Registered Mar. 8, 1932. Schieffelin & Company, New York, N. Y., a corporation of New York. Republished by registrant.



For Shampoo.
Claims use since on or before May 3, 1919.

PLANT PATENTS

GRANTED MAY 6, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,091
CARYOPTERIS PLANT
John J. Grullemans, Shaker Heights, Ohio
Application December 21, 1950, Serial No. 201,952
1 Claim. (Cl. 47—60)

The new and distinct variety of Caryopteris plant as described and illustrated, characterized particularly by the deeper clearer blue color of its bloom, its more upright growth, and the darker green of its leaves.

1,092
ORNAMENTAL AND FRUITING PEACH TREE
Walter E. Lammerts, La Canada, Calif., assignor to Descanso Distributors, Inc., La Canada, Calif., a corporation of California
Application November 20, 1950, Serial No. 196,636
1 Claim. (Cl. 47—62)

A new and distinct variety of ornamental and fruiting peach tree, characterized as to novelty by its abundant production of large, many-petalled, highly ornamental double flowers of predominantly dark pink color, by its production of highly colored, yellow-fleshed, edible, freestone, juicy fruit, rich in flavor and of firm and crisp texture, and by its short chilling requirement suitable to warm winter climates, substantially as shown and described.

1,093
FLOWERING AND FRUITING PEACH TREE
Walter E. Lammerts, La Canada, Calif., assignor to Descanso Distributors, Inc., La Canada, Calif., a corporation of California
Application November 20, 1950, Serial No. 196,637
1 Claim. (Cl. 47—62)

A new and distinct variety of ornamental and fruiting peach tree, characterized as to novelty by its early production of large, many-petalled, highly ornamental flowers of predominantly light pink color, by its production of relatively early-ripening, large, edible, freestone fruit of good keeping and shipping qualities, resembling that of the variety "Robin" (Pl. Pat. No. 529) in respect to the coloration of the fruit and its general shape and appearance, but ripening somewhat later and having less red coloring in the flesh, and by its vigorous habit of growth and shorter chilling requirement suitable to warm winter climates, substantially as shown and described herein.

1,094
ROSE PLANT
William B. Moffet, Gustine, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application January 23, 1951, Serial No. 207,277
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the climbing hybrid tea class, characterized by being substantially identical with its parent "Forty-Niner" (Plant Patent No. 792), but essentially distinguished therefrom by its climbing habit of growth, by its habit of producing many more flowers in the spring than can usually be found at any one time on the bush parent, and by its intermittent flowering habit during the remainder of the growing season, substantially as shown and described herein.

PATENTS

GRANTED MAY 6, 1952

2,595,214

POLYMERS OF ALLYL ALKYL CARBONATES

David E. Adelson and Hans Dannenberg, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 2, 1946, Serial No. 713,467
12 Claims. (Cl. 260—77.5)

1. A copolymer of about 10% to about 90% of butyl methallyl carbonate and about 90% to about 10% of diallyl phthalate.

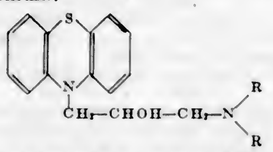
2,595,215

PHENOTHIAZINE DERIVATIVES AND PROCESS FOR THEIR PREPARATION

Paul Charpentier, Choisy-le-Roi, France, assignor to Societe des Usines Chimiques Rhone Poulenc, Paris, France, a French body corporate

No Drawing. Application April 5, 1951, Serial No. 219,519. In France May 23, 1950
7 Claims. (Cl. 260—243)

1. Phenothiazine derivatives conforming to the general formula:



in which R represents a lower alkyl group.

2,595,216

SPINNERETS COATED BY METAL EVAPORATION

Anderson Pace, Jr., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 5, 1948, Serial No. 31,391
10 Claims. (Cl. 18—8)

4. A metallic spinneret, the surface and orifice walls of which are coated with chromium.

2,595,217

CHLORINATED CAMPHENE-OIL INSECTICIDAL COMPOSITIONS AND METHOD OF MAKING

Thaddeus Parr and Murray Zakheim, Philadelphia, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application March 25, 1948, Serial No. 17,106
17 Claims. (Cl. 167—30)

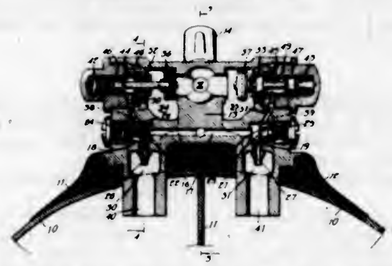
9. A method of making an insecticide dust and spray base comprising mixing a major portion of a normally solid chlorinated camphene while in its molten state with a minor portion of an oil having an S. S. U. viscosity rating of 100° F. of less than 210 and a boiling point above 120° C. for at least 90% of its ingredients, adding said chlorinating camphene-oil mix to a solid absorbent diluent material and agitating the chlorinated camphene-oil mix and absorbent diluent until said chlorinated camphene-oil mix is thoroughly incorporated within said diluent material.

2,595,218

INFLATION VALVE

Frank B. Allen, Verona, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application May 4, 1945, Serial No. 592,009
4 Claims. (Cl. 137—21)



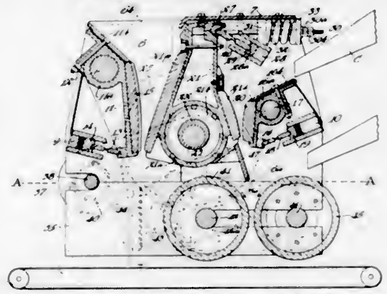
1. An inflator valve comprising a housing, inlet means in the housing for a pressure fluid, inlet means in the housing for atmospheric air, outlet means for the pressure fluid and air, injector means in the pressure fluid inlet to draw air inwardly through the air inlet, a normally closed pressure seated valve for the air inlet and adapted to be held in the closed position by the pressure of fluid from the outlet, pressure operated opening means for the air inlet valve responsive to pressure ahead of the injector means, and pressure operated closing means adapted to act in opposition to the pressure operated opening means and responsive to pressure beyond the injector means, whereby the air inlet valve is opened by a predetermined difference in pressure across the injector means.

2,595,219

TWO-STAGE JAW CRUSHER

Einar Hviid Anderson, Joliet, Ill.

Application September 19, 1947, Serial No. 775,114
6 Claims. (Cl. 241—140)



1. A two-stage jaw type crusher having, in combination, a frame provided with upstanding

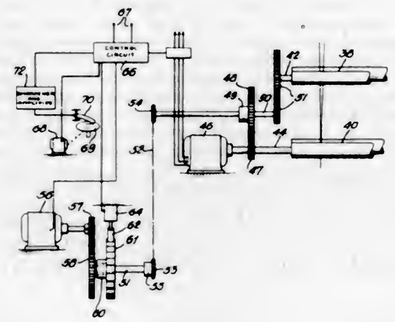
spaced sides, an upstanding, normally fixed primary jaw and an upstanding, normally fixed secondary jaw, said secondary jaw being substantially shorter than said primary jaw, said normally fixed jaws being mounted transversely in said frame and being spaced widely apart in opposed relation, an upstanding pitman mounted medially of said jaws and carrying on one face thereof a primary crushing jaw opposed to said normally fixed primary jaw in converging relationship thereto from top to bottom, said pitman carrying on its opposite face a secondary crushing jaw opposed to said normally fixed secondary jaw and converging in relation thereto from top to bottom, and being of generally the same height as said normally fixed secondary jaw, a power-driven eccentric journaled in the sides of said frame and extending transversely thereof and connected with the lower portion of said pitman for gyrating the same, and a single toggle bar structure connecting the upper portion of the pitman above said secondary jaw with said frame, whereby to provide a swinging fulcrum for the upper portion of said pitman, the cooperative functioning of said eccentric and said toggle bar being adapted to cause the primary jaw on said pitman to be gyrated through generally elliptical paths with a substantially long downward component of movement in the protraction of said pitman toward the normally fixed primary jaw, while the secondary jaw of the pitman is gyrated through generally elliptical paths having a substantially long horizontal component of movement in the protraction of said pitman toward said normally fixed secondary jaw.

2,595,220

PRODUCTION AND UTILIZATION OF CONTROL SIGNALS

Wilmer C. Anderson, Greenwich, Conn., assignor to Deering Milliken Research Trust, Greenwich, Conn., a nonprofit trust of Maine

Application March 30, 1949, Serial No. 84,447
24 Claims. (Cl. 57—38)



1. The method of producing a novelty yarn which comprises producing a sequence of control signals, recording the produced signals, reproducing the signals from the recording and controlling an element affecting the diameter of yarn during production in response to the reproduced signals.

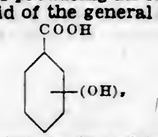
2,595,221

ESTERS OF POLYHYDROXY-BENZOIC ACIDS AND METHOD FOR THEIR PREPARATION

Waldo C. Ault, Philadelphia, George C. Nutting, Abington, and James K. Weil, Lansdale, Pa., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application April 22, 1947, Serial No. 743,210
18 Claims. (Cl. 260—473)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of producing an ester of a polyhydroxybenzoic acid of the general formula:



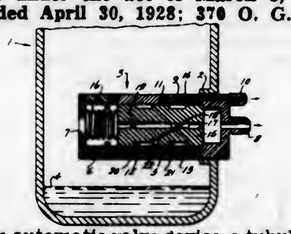
in which x is an integer from 2 to 3 and in which the positions ortho to the carboxyl group are free of substituents; comprising heating said acid with an alcohol of the formula R—CH_2OH, in which R is a radical taken from the group consisting of olefine and saturated alkyl radicals having more than five carbon atoms, said heating being in the presence of an acid esterification catalyst and under reflux and return of solvent with concurrent separation of water, the solvent being a polar organic solvent medium which under the conditions of the process is chemically inert toward the reactants and the reaction products and which boils above 100° C. and not higher than the boiling point of nitrobenzene, and below the decomposition temperature of the polyhydroxy-benzoic acid, the solvent medium being a substituted hydrocarbon taken from the group consisting of nitrobenzene, ortho-dichlorbenzene, anisole, and phenetole.

2,595,222

AUTOMATIC LIQUID EXTRACTION VALVE FOR GAS STORAGE TANKS

Robert R. Bayuk and Joseph A. Mileti, Jr., Dayton, Ohio

Application January 21, 1948, Serial No. 3,381
10 Claims. (Cl. 137—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In an automatic valve device, a tubular member adapted to provide a conduit for gas from a source of compressed gas, a Venturi formation in said tubular member adjacent to the end connected to said source of compressed gas, means providing a passage from the throat of said Venturi formation to a liquid inlet positioned within a liquid containing reservoir, a constriction in said tubular member adjacent to the opposite end thereof adapted to provide opposition to the flow of gas through said tubular member when liquid reaches said constriction by way of said passage, said Venturi throat, and a portion of said tubular member, means providing a passage for liquid from the inside to the outside of said reservoir, valve means forming a portion of the latter passage, and actuating means for said valve means

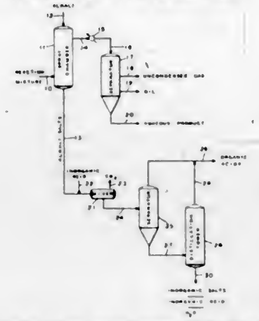
responsive to arise in liquid level in said reservoir to said liquid inlet and a consequent pressure increase in said tubular member caused by liquid reaching said constriction to open said valve means and said latter passage.

2,595,223

SEPARATION OF ORGANIC COMPOUNDS

William P. Burton, Orange, and Ernest Solomon, Nutley, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application May 28, 1947, Serial No. 751,072
8 Claims. (Cl. 260—450)



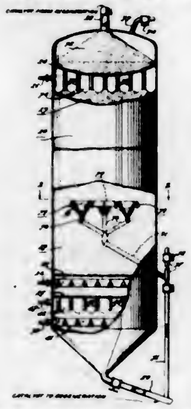
1. A process for treating the total reaction product obtained in the hydrogenation of oxides of carbon which comprises subjecting said total reaction product in the vapor state without prior condensation to scrubbing treatment with an alkali at a temperature above the point of condensation of normally liquid components contained in said product to obtain an extract comprising salts of fatty organic acids and an acid-free gas comprising the remainder of said product, and separating said salts from said acid-free gas.

2,595,224

METHOD AND APPARATUS FOR PROCESSES EMPLOYING FLUENT SOLIDS

Clyde L. Caldwell, Long Beach, Calif., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application October 29, 1947, Serial No. 782,887
10 Claims. (Cl. 196—52)



1. In processes wherein fluent solid hydrocarbon conversion catalyst circulates in a system comprising a conversion zone and a regeneration zone, in which conversion zone hydrocarbons contact said catalyst so as to form conversion products and concomitantly to deposit coke on said catalyst, in which regeneration zone an oxygen containing gas contacts catalyst from the conversion zone under combustion conditions so as to remove coke deposited thereon, the improvement which comprises passing fluent solid hydrocarbon conversion catalyst through said conversion zone as a continuous downwardly moving non-turbulent bed of approximately equal horizontal cross sectional area throughout its vertical extent, withdrawing from the conversion zone as at least one compact column a portion of said catalyst at a point intermediate of the vertical extent of said bed, passing hydrocarbons through substantially the complete vertical extent of said bed, disengaging hydrocarbon vapors from the portion of catalyst so withdrawn substantially at the point of withdrawal, introducing to the compact column of catalyst so withdrawn at a point beyond the conversion zone an unreactive gas at a pressure greater than the pressure in the conversion zone at the point of withdrawal of catalyst to prevent the escape of hydrocarbon vapors from the conversion zone, whereby the mass velocity of the catalyst is greater in the part of the conversion zone above the point of withdrawal of catalyst than in the part of the conversion zone below the point of withdrawal of catalyst.

7. In apparatus for the contact of granular fluent solids with fluids, a closed vertical housing containing a chamber of substantially equal horizontal cross sectional area throughout its vertical extent, said chamber being adapted to maintain a downwardly moving non-turbulent bed of said solid therein, inlet means for the introduction of said solids at the top of said housing, outlet means for the removal of said solids at the bottom of said housing, fluid inlet and outlet means disposed substantially at the ends of said chamber for the introduction and disengagement of fluids from a moving non-turbulent bed of said granular solid, and means for the withdrawal of solids intermediate of the vertical extent of said chamber without substantial interference in the flow of fluids from a point below said means to a point above said means in the presence of a moving non-turbulent bed of said solid, said means comprising at least one downwardly directed imperforate conduit extending beyond said housing and terminated at the upper end with a vertically extending series of inverted coaxial frusto-conical baffles, said series of baffles being of decreasing diameter in a downward direction, the lowermost baffle communicating with said conduit, said baffles being spaced apart from each other, the uppermost baffle of said series being the inner periphery of a horizontally annular channel having an inverted V-shaped cross section whereby fluent solid flowing downwardly outside said series of baffles is spaced away from said baffles.

2,595,225

POLYMERIC POLY-QUATERNARY AMMONIUM SALTS

Donald D. Coffman, West Chester, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 9, 1950, Serial No. 143,358
9 Claims. (Cl. 260—63)

1. A polymeric poly-quaternary ammonium salt having a molecular weight of at least 500 and a main polymer chain of contiguous aliphatic carbon atoms and consisting of the recurring structural units: (a) groups containing at least three contiguous carbon atoms of which one is carbonyl carbon and at least the next two contiguous carbon atoms are saturated aliphatic hydrocarbon and are an integral part of the main polymer chain, (b) groups containing at least three continguous carbon atoms of which one is connected to an extralinear amino nitrogen and at least the next two contiguous carbon atoms are saturated aliphatic hydrocarbon and are an integral part of the main polymer chain, the remaining valences of said amino nitrogen atom being satisfied by members selected from the class consisting of cycloaliphatic and aliphatic monovalent saturated hydrocarbon radicals of up to 18 carbon atoms, saturated aliphatic hydrocarbon radicals joined to each other to form with said amino nitrogen atom a 5- to 6-membered ring, and saturated aliphatic hydrocarbon radicals joined to each other through a chalcogen of atomic weight less than 33 to form with said amino nitrogen atom a 5- to 6-membered ring, and (c) groups containing at least three contiguous carbon atoms of which one is connected to an extralinear quaternary ammonium nitrogen atom and at least the next two contiguous carbon atoms are saturated aliphatic hydrocarbon and are an integral part of the main polymer chain, two of the valences of said quaternary ammonium nitrogen atom being satisfied by members selected from the class consisting of cycloaliphatic and aliphatic monovalent saturated hydrocarbon radicals of up to 18 carbon atoms, saturated aliphatic hydrocarbon radicals joined to each other to form with said quaternary ammonium nitrogen atom a 5- to 6-membered ring, and saturated aliphatic hydrocarbon radicals joined to each other through a chalcogen of atomic weight less than 33 to form with said quaternary ammonium nitrogen atom a 5- to 6-membered ring, another valence of said quaternary ammonium nitrogen atom being satisfied by the anion of an acid having a primary acid ionization constant K_1 greater than 1.6×10^{-5}, the remaining valence of said quaternary ammonium nitrogen atom being satisfied by a monovalent hydrocarbon radical of not more than 18 carbon atoms and having an aliphatic carbon atom directly connected to said quaternary ammonium nitrogen atom, at least 25% of said recurring structural units being those of groups (b) and (c) containing a nitrogen atom, of which at least 10% are those of group (c) containing the quaternary ammonium nitrogen atom.

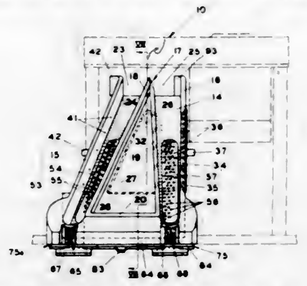
2,595,226

CONVEYER HAVING DUST SEPARATING AND REMOVAL MEANS

Leonard T. Cookson, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

Application January 22, 1948, Serial No. 3,706
4 Claims. (Cl. 209—12)

4. In an inclined conveyor for transporting medicated tablets from a tablet source to containers while removing dust particles therefrom, the combination comprising: a pair of divergent troughs extending downwardly and away from said tablet source, said troughs each having side walls, a bottom and a top; a first plenum chamber disposed between and communicating with said troughs and a second plenum chamber associated with the side wall of said troughs remote from said first plenum chamber; means providing a plurality of jet openings in each of said sidewalls communicating between said troughs and said first plenum chamber said troughs and said second plenum chambers, through which jet openings a gas may be forced under pressure, the axis of each of said jet openings being parallel to the bottom of said troughs and at an acute angle to the longitudinal axis of each of said troughs and directing the gas emitted therefrom substantially oppositely to the direction of flow of said tablets for retarding the speed of such flow and removing dust from said tablets; an exhaust header beneath said troughs; a plurality of openings in the bottom of each trough, providing communication from said troughs to said exhaust header and through which the gas in said



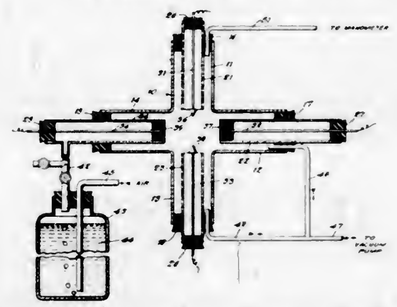
trough and material entrained therein are exhausted; a plurality of openings in the lower ends of said troughs through which air may be drawn from outside of said troughs; means supplying a gas under pressure to each of said plenum chambers and means exhausting gas and entrained particles from said exhaust header; all arranged and constructed so that the speed of the said tablets as they move down the said troughs is retarded by upmoving gas streams which streams also remove the loose dust particles from said tablets, said dust particles being exhausted through said openings in the bottom of said troughs.

2,595,227

ELECTRICAL OXIDATION OF ARALKYL HYDROCARBON

William J. Cotton, Butler, Pa.

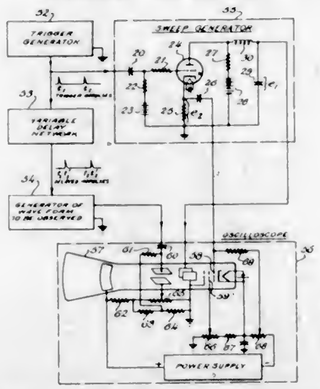
Application January 13, 1948, Serial No. 1,957
10 Claims. (Cl. 204—169)



1. The method which comprises passing a gaseous mixture primarily of toluene vapor, oxygen and nitrogen at a temperature below its ignition temperature through an electric field of two crossing discharges exhibiting a luminous region completely confined by gas, one discharge being an electromagnetic electric discharge of relatively higher frequency and the other being a discharge of less frequency by at least 0.065 mega-

cycles per second expressed as sinusoidal-frequency equivalents, whereby to activate the nitrogen to an oxidation catalyst and thereby oxidizing toluene to benzaldehyde and benzoic acid.

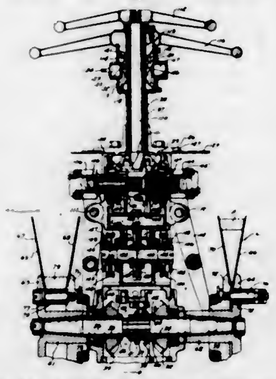
2,595,228
CONTROL CIRCUIT FOR CATHODE-RAY OSCILLOSCOPES
Philip W. Crist, Hempstead, N. Y., assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application October 27, 1948, Serial No. 56,778
9 Claims. (Cl. 315—22)



1. In combination, a cathode-ray tube employing electrostatic fields for the deflection of an electron beam, a capacitor, a low impedance connected in series with said capacitor, a high impedance circuit for charging said capacitor, an oscillatory circuit including said capacitor and said low impedance, said serially connected capacitor and impedance having a surge impedance several times larger than the resistance of the oscillatory circuit, means for causing said capacitor to discharge and recharge to a potential of opposite polarity through said oscillatory circuit during a time interval equal to one-half the natural period of said oscillatory circuit, interconnecting means for applying the voltage developed across said capacitor to a pair of the deflection plates of said cathode-ray tube, means for applying a fixed bias between the control electrode and cathode of said cathode-ray tube, and interconnecting means for applying the voltage drop developed across said low impedance between the control electrode and cathode of said cathode-ray tube in opposite polarity to said fixed bias.

2,595,229
TRACTOR DRIVE AND CONTROL MECHANISM
George W. Curtis, Milwaukee, Wis.
Application August 17, 1946, Serial No. 691,272
15 Claims. (Cl. 74—710.5)

1. In a vehicle having a pair of spaced propelling members, an engine, a reversible driving connection between said engine and both of said propelling members, a manually operable steering control, a pair of belt connected adjustable variable speed sheaves in the driving connection for each of said propelling members, screw means responsive to movement of said manual control for causing reverse adjustment of the pair of sheaves on one side with respect to the pair of sheaves on the other side to inversely vary the speed of the two propelling members to cause steering of the vehicle, a brake for each propelling member having an operating lever, a sprocket chain connected at one end to the lever for each brake, a freely rotatably mounted



sprocket wheel around which a portion of each chain is directed, a foot pedal connected to the opposite end of each chain, and means rotatable with said screw means and engageable with one of said sprocket wheels for causing partial rotation thereof and actuation of one of said brakes to augment a steering action.

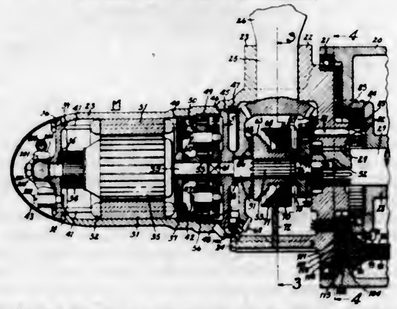
2,595,230
FISHING ROD CASE
Jerome G. Daviau, Waterville, Maine
Application October 1, 1947, Serial No. 777,142
1 Claim. (Cl. 43—26)



A fishing rod case comprising in combination a hollow semi-cylindrical buoyant carrier including a flat side wall and a semi-circular extension projecting laterally at the lower end of said side wall whereby the lower end of the carrier is substantially circular in configuration, a plurality of resilient fishing rod retaining clips provided at vertically spaced points on the outer surface of said side wall, a substantially semi-tubular cover removably positioned adjacent the flat side wall of said carrier and complementing the same to afford a substantially cylindrical body, said cover extending from the upper end of the carrier to the upper surface of said lateral extension and being provided with a plurality of vent openings, a detent provided at the lower end of said cover

and engaging a recess in the upper end of said extension, and an internally screw-threaded flanged cap removably positioned at the upper end of the carrier and cover for sustaining the same together.

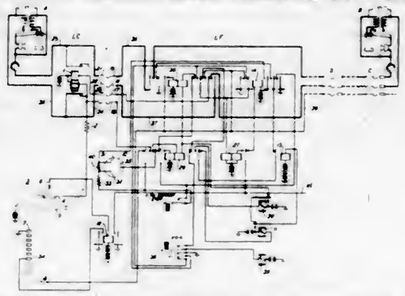
2,595,231
ENGINE STARTING AND PROPELLER BLADE PITCH ADJUSTING APPARATUS
Lawrence C. Dermond, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Continuation of application Serial No. 479,762, March 19, 1943. This application March 16, 1944, Serial No. 526,702
8 Claims. (Cl. 170—135.7)



5. In a power plant for aircraft, the combination of an internal combustion engine, a variable pitch propeller operated thereby, means for variably moving the blades thereof to change the pitch of said blades during the operation of said propeller by the engine to thereby control the governed speed of said engine, means for automatically and variably controlling the pitch changing movement of said blades as desired to maintain operation of the engine at any selected speed, a current source, an electric motor operable by current from said source, operating connections between the motor and the engine and between the motor and said blade moving means whereby the motor may be operatively connected with the engine when the latter is inoperative in order to start it, or may be connected with the blade moving means during engine operation to effect pitch changing movements of the blades in order to control engine speed, control mechanism movable to different positions to determine whether the motor is operatively connected to the motor or to the blade moving means, and automatic fluid pressure means operable to determine the direction of rotation of the motor when said motor is connected to the blade moving means.

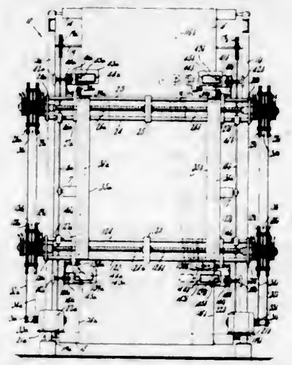
2,595,232
TELEPHONE SWITCHING SYSTEM EMPLOYING A TRANSISTOR
Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 29, 1949, Serial No. 90,516
4 Claims. (Cl. 179—18)

1. In combination in a telephone system, a plurality of subscriber's lines, a semiconducting device comprising a base member comprising semiconducting material, a collector electrode and a plurality of emitter electrodes engaging said base member, connection individually interconnecting one of said lines and one of said emitter electrodes, voltage supply means for supplying voltages to said emitters under control of the line in-



dividual thereto, responsive means connected in circuit with said collector responsive to a call from one of said subscriber's lines.

2,595,233
SELVAGE GUIDING AND DRYING APPARATUS
Julien Dungler, Basel, Switzerland
Application February 17, 1950, Serial No. 144,695
12 Claims. (Cl. 34—48)

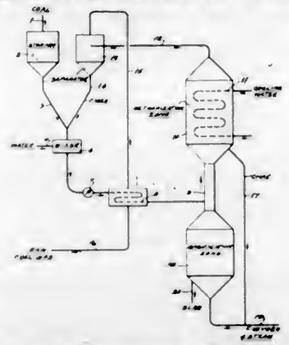


1. In an apparatus for continuously treating an edge of an advancing web material, in combination, a treatment element engageable with said edge, actuating means operable to displace said treatment element, and follower means controlling said actuating means to maintain said treatment element engaged with said edge upon displacement of the latter, said follower means including a feeler member in contact with and displaceable by movements of said edge.

2,595,234
PROCESS FOR THE PRODUCTION OF FUEL GAS FROM CARBONACEOUS SOLID FUELS
Du Bois Eastman, Whittier, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 15, 1949, Serial No. 99,182
5 Claims. (Cl. 48—202)

1. In a process for the generation of fuel gas from a solid carbonaceous fuel containing volatilizable constituents, the improvement which comprises admixing said solid carbonaceous fuel in particle form with sufficient water to form a fluid suspension, passing said suspension through a heating zone at an elevated temperature such

that substantially all of the water is vaporized thereby forming a dispersion of coal in steam, passing the resulting dispersion into a fluidized bed of solid carbonaceous material in a methanization zone into contact with carbon monoxide and hydrogen at a temperature within the range of from about 900 to about 1800° F. whereby carbon monoxide and hydrogen are converted to methane and volatilable constituents of said solid carbonaceous material are distilled there-



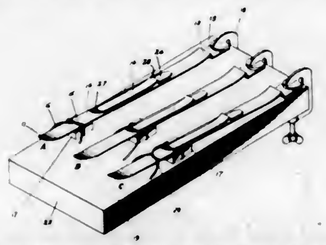
from, withdrawing carbonaceous material from said methanization zone and passing it into contact with oxygen and steam in dilute phase in a gasification zone maintained at a temperature within the range of from about 2000 to about 3000° F., passing the resulting gases comprising carbon monoxide and hydrogen from the gasification zone into the methanization zone as the source of carbon monoxide and hydrogen therefor, and discharging the gaseous products of the methanization zone as the raw product fuel gas.

2,595,235

DEVICE FOR HOLDING A PACKAGE OR THE LIKE WHEN TYING CORD AROUND IT

Albert F. Emrich, Valley Stream, N. Y.

Application August 2, 1945, Serial No. 608,553
1 Claim. (Cl. 29—284)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



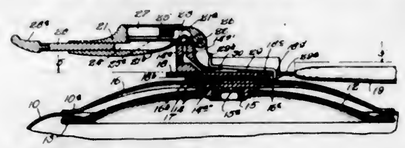
In a device for tying cord around a package, a work table, a finger attached at its one end to the table and extending from its attachment forwardly along the table top, the other end of the finger being free and pressing resiliently against the table top at a position near the front edge thereof, a second finger comprising a leaf spring attached at its one end to the first finger and extending from its attachment forwardly along the first finger, the other end of the second finger being free and pressing resiliently against the top surface of the first finger, the free end of the second finger being tapered to comprise a tip and being positioned along the first finger rearwardly away from the free end of the first finger, the first finger comprising a leaf spring and comprising a lateral offset away from the table top positioned along the first finger near its end attachment and forwardly thereof.

2,595,236

PRESSURE COOKER

Guy S. Faber, Chicago, Ill.

Application December 22, 1945, Serial No. 636,660
10 Claims. (Cl. 220—25)



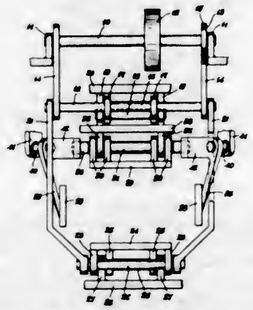
9. A pressure cooker of the character described, including: a cooker body having an opening in the top thereof of unsymmetrical shape, said opening having a flange therearound; a closure member of similar unsymmetrical shape having a valve opening therethrough, this closure member being of rigid material and adapted to underlie said flange and seal said opening; a support member adapted to lie above said flange; means interconnecting said members and including cam means for moving said members toward and away from each other to effect sealing and unsealing of said opening; pivotally mounted means movable between positions opening and closing said valve opening; and means whereby movement of said pivotally mounted means to valve-closing position latches said movable operating means in opening-sealing position.

2,595,237

BAGGED MATERIAL RECONDITIONING MACHINE

Clarence D. Fox, St. Hilaire on Richelieu, Quebec, Canada, assignor of one-half to Maurice S. Cotterell, North Sidney, Nova Scotia, Canada

Application February 7, 1950, Serial No. 142,741
1 Claim. (Cl. 241—266)



A bagged material reconditioning machine comprising a pair of spaced plates opposed to each other and located longitudinally through the machine, a fulcrum at the entrance end of one plate and a fulcrum at the discharge end of the other plate, a second pair of spaced plates opposed to each other and located perpendicular to the first named plates so as to form an open rectangle therewith, a drive shaft, an eccentric upon said drive shaft, a lever, a fulcrum intermediate the ends of the lever, a link pivotally connecting one end of the lever to the discharge end of one plate of the first named pair of plates, a link connecting the other end of the lever to the eccentric, a link connecting said last named end of the lever to the entrance end of the other plate of the first amed pair of plates, bell crank levers having one end of each rigidly connected to each of the second named pair of plates, a fulcrum intermediate the ends of each bell crank lever, and means pivotally connecting the other end of each bell crank lever to the pivotal connection between said first named link and the discharge end of said first named plate, for simultaneously rocking the opposite ends of the first named pair of plates toward and from each other and simultaneously moving the second named pair of plates toward each other, then upward and then forward, so as to seize a bag of material, lift it and carry it forward through the machine, the movement of the two pairs of plates toward each other being alternate.

2,595,238

METHOD OF PRODUCING POTASSIUM CHLORATE CRYSTALS OF SPECIAL APPEARANCE

Jean Leon Maurice Frejacques, Paris, France, assignor to Pechiney-Compagnie de Produits Chimiques et Electrometallurgiques

No Drawing. Application May 16, 1947, Serial No. 748,654. In France September 6, 1946
4 Claims. (Cl. 23—85)

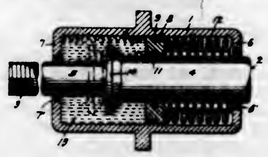
1. A method of producing potassium chlorate crystals having substantially no color, consisting of: introducing potassium chlorate to warm water, adding to the aqueous solution of the salt an amount in the order of 0.1 to 1.0% of a sulphonated paraffin hydrocarbon, subsequently cooling the aqueous solution to bring about the desired crystallization, and separating the potassium chlorate crystals from the aqueous solution.

2,595,239

HYDROSPRING SHOCK ABSORBER

Herman P. Gay, Havre de Grace, Md., assignor to the United States of America as represented by the Secretary of the Army

Application June 30, 1948, Serial No. 36,052
7 Claims. (Cl. 267—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



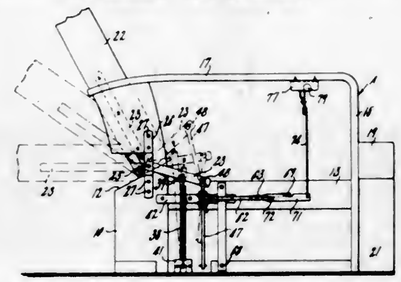
1. A shock absorber for yieldingly connecting two elements of a mechanism subjected to shocks, comprising a cylinder fastened to one of said elements, a plunger extending through said cylinder and fastened to the other one of said elements, said plunger consisting of two portions of different diametric dimensions, a floating piston slidably mounted over said plunger within said cylinder dividing said cylinder into two parts, a spring subject to deformation upon relative movement of said two elements mounted in one of said parts of said cylinder, said spring operatively engaging said floating piston and one end of said cylinder, said other part being completely filled with a substantially incompressible fluid under pressure acting on said floating piston, whereby said floating piston is held at all times in equilibrium by said fluid pressure and said spring pressure, an annular throttling flange of substantially larger cross sectional area than said plunger mounted thereon at the jointure between the two portions thereof, and coaxial sealing means to confine said fluid to said other part, the portion of larger diametric dimensions of said plunger being moved into said other part of the cylinder upon occurrence of a shock whereby the increase in pressure caused by the increase of volumetric displacement by said plunger is absorbed by said floating piston and spring to maintain equilibrium therebetween.

2,595,240

REST STRUCTURE WITH ADJUSTABLE BACK

Maurice Glick, Brooklyn, and Norman Nicholas, Binghamton, N. Y.

Application September 2, 1949, Serial No. 113,712
3 Claims. (Cl. 155—163)



1. In a chair or similar article; a substantially vertical supporting structure, a seat portion supported upon said supporting structure, a back adjustably connected to said supporting structure in rear of the seat portion, arms connected to the opposite sides of the back, means for pivotally connecting said arms to said supporting structure, spring means connected to said arms urging the back to its elevated position, a slide rod extending from one of said arms and being pivotally connected thereto, means for gripping said rod to retain the back in its adjusted position, and means accessible to the user of the chair for releasing said gripping means, said gripping means including elements adapted to be spread apart to release the rod, said means for releasing said gripping means comprising spread elements pivotally connected to each other and to said supporting structure, a plate pivotally connected between the outer ends of said spread elements to separate the same, and a hand operating device connected to the plate to effect its actuation whereby said spread elements will be spread from one another and the grip elements will be released from the rod.

2,595,241

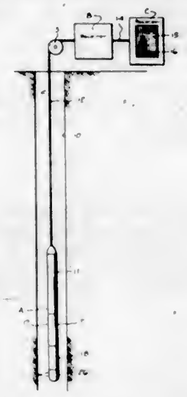
METHOD AND APPARATUS FOR MEASURING THE CROSS SECTIONAL AREA OF WELL BORES BY SUPERSONIC WAVES

Ralph W. Goble, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware

Application August 1, 1947, Serial No. 765,450
12 Claims. (Cl. 177—352)

1. The method of measuring the cross-sectional area of a well bore which consists in, con-

tinuously propagating a series of high frequency sound waves outwardly in radial directions and in a circular path within the well bore to scan the wall of the well bore, whereby each wave travels outwardly and is reflected back from the wall of the bore to the point of transmission in one radial plane therein, receiving each reflected



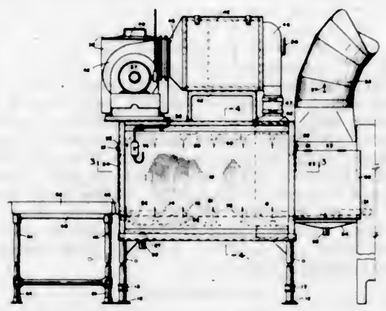
wave and determining the time interval between the instant of transmission and the instant of reception of said wave, integrating the time intervals of all waves sent and received during one complete scanning of the wall surface, and transposing said integrated time intervals into an indication which is representative of the cross-sectional area of the well bore.

2,595,242

DRIER AND STERILIZER

Benjamin O. Goodin, Jefferson City, Mo.

Application December 2, 1947, Serial No. 789,258
7 Claims. (Cl. 34—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



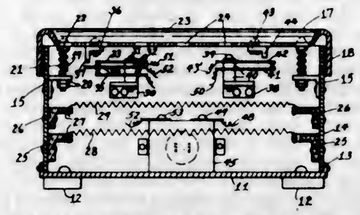
1. In a drier, a hollow container with a removable track extending through it, material inlet and exit openings at the ends of the conveyor above the track, a hot air duct in the bottom of the container, upwardly extending outlet nozzles in the top wall of the duct below the track, and a removable tray between the duct and the track, openings in the bottom wall of the tray through which the outlet nozzles project, said nozzles substantially closing the tray openings.

2,595,243

SUPPORTING DEVICE FOR ELECTRICAL HEATING APPLIANCES

Herman L. Gordon, Silver Spring, Md.

Application February 21, 1949, Serial No. 77,607
7 Claims. (Cl. 219—23)



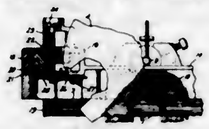
7. A device of the character described comprising a base, a support element movably mounted on said base, means biasing said support element upwardly, first and second heater windings arranged in heat-transmitting relation to said support element, a female receptacle, a pair of line wires, circuit means normally connecting said line wires to said receptacle, and switch means mechanically coupled to said support element, said switch means being formed and arranged to simultaneously connect the first heater winding in shunt with said female receptacle and said second heater winding in series with said line wires responsive to depression of said support element, whereby the current through an electrical appliance plugged into the receptacle will be modified when the appliance is placed on the support element.

2,595,244

METER DAMPING MAGNET STRUCTURE

James H. Goss, Schenectady, N. Y., and Lewis I. Mendelsohn, Lynn, and Hans A. Bakke, Swampscott, Mass., assignors to General Electric Company, a corporation of New York

Original application March 30, 1948, Serial No. 17,884. Divided and this application May 6, 1950, Serial No. 160,475
4 Claims. (Cl. 171—34)



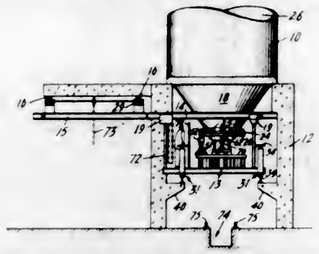
1. A damping magnet structure suitable for integrating meters comprising a C-shaped permanent magnet, a temperature compensating shunt therefor consisting of a relatively thin strip of magnetic material having a negative temperature coefficient of permeability secured on and extending substantially over one side face of said magnet, a shunt for adjusting the effective damping flux of said magnet comprising a piece of magnetic material adjustable in an axial direction in and out of the central opening in the C-shaped magnet in proximity to but spaced from the poles of said magnet, and a support for said magnet comprising a die-cast framework of nonmagnetic material in which said magnet and temperature compensating shunt are embedded during the die-casting operation and with die-cast material forming a partition between said adjustable shunt and magnet, said framework having a slot in communicating alignment with the opening between the poles of said C-shaped magnet.

2,595,245

APPARATUS FOR REMOVING DRUM COVERS

Eugene Grandinetti, Ozone Park, John J. Rush, New York, and Oliver C. Balmer, Westerleigh, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application April 26, 1950, Serial No. 158,102
8 Claims. (Cl. 214—18)



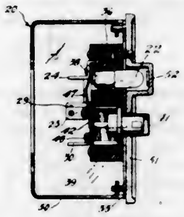
1. In a batch-type coking plant, comprising at least one coking vessel, a structure for supporting said vessel above grade, and a lower cover on said vessel, said cover being attached by means of peripheral holding bolts to the underside of said vessel, apparatus for removing said cover which includes: a pair of parallel trolley beams horizontally disposed under said vessel on opposite sides of said lower cover; a platform movably suspended from said trolley beams and adapted to be moved to or from a position under said cover on said beams; peripheral track means horizontally disposed on said platform, said track means being disposed under said holding bolts when said platform is positioned under said lower cover; wrench means movable on said track and adapted to remove said holding bolts from said cover; a vertical hydraulic jack positioned on said platform substantially concentric with said track means and adapted to lower or raise said cover; retractable supports on said platform adapted to exactly locate and assume the thrust or pull of said jack without substantially stressing said trolley beams; and a hydraulic pump and controls on said platform adapted to raise or lower said hydraulic jack.

2,595,246

DEVICE FOR TESTING ELECTRICAL CIRCUITS

Harry C. Grant, Jr., Ridgewood, N. J., and Arthur W. Uhl, Inwood, N. Y., assignors to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Original application April 10, 1943, Serial No. 482,572. Divided and this application January 27, 1948, Serial No. 4,636
5 Claims. (Cl. 177—329)



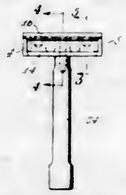
1. A device of the class described comprising a mounting plate, a panel mounted on said plate having a hollow translucent portion projecting outwardly at the front thereof and having an aperture therein, and a switch and lamp assembly mounted in back of said panel including a switch operating push button extending forwardly through the aperture of said panel and a socket in back of said hollow portion and in alignment therewith for mounting a lamp having a portion thereof disposed in said hollow portion whereby the lamp when illuminated is visible through said hollow portion.

2,595,247

RAZOR BLADE HOLDER FRAME

John A. Greene, Harrison, Ark.

Application November 30, 1946, Serial No. 713,302
1 Claim. (Cl. 30—41)



In a safety razor of the type employing a removable double edged blade having three openings disposed at its longitudinal axis, a handle, a support carried by the handle, a clamp adapted to cooperate with the support to hold a blade therebetween, said support comprising a substantially rectangular frame having a longitudinally disposed center bar, two oppositely disposed side members having skin engaging surfaces, and two oppositely disposed end members, the upper face of said end members being convex and the upper face of said side members being depressed relative to the end members, said center bar connecting the end members and having three uprights extending to and terminating at a line connecting the top center points of said end members and being equipped with openings, the clamp having a bolt extending from its center and a stud disposed on each side of said bolt along a longitudinal center line, said bolt and studs to be received by the said uprights of the center bar and the bolt to be screwed into said handle, said end members and said uprights holding the blade in spaced position from said side members when the clamp is assembled thereon, thus forming apertures to collect the material removed during the shaving process within the frame.

2,595,248

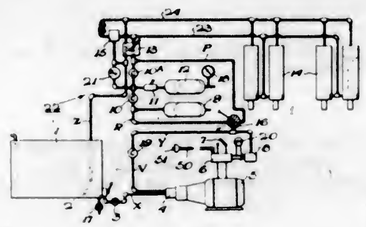
HYDRAULIC SYSTEM FOR POWER-OPERATED HATCH COVERS

Edward M. Greer, West Hempstead, and Jean Mercier, New York, N. Y.; said Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y.

Application March 29, 1948, Serial No. 17,606
3 Claims. (Cl. 60—51)

1. A fluid system including a pair of accumulators to be charged with fluid under a predetermined pressure, a selector valve connected to said accumulators to regulate the discharge of fluid therefrom, one of said accumulators being connected directly to said selector valve, a plurality of fluid motors connected to said selector valve, said fluid motors being connected in parallel relationship so that the selector valve provides the means to operate all fluid motors in one direction when the selector valve is positioned in its first position, and to operate all fluid motors

in an opposite direction when said selector valve is positioned in its opposite position, and a manually operated check valve interposed between the other of said accumulators and said selector



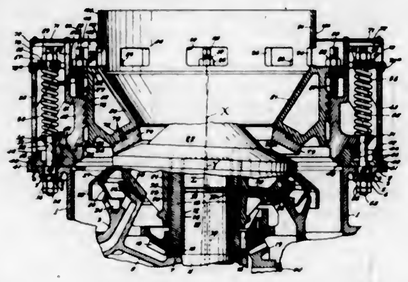
valve, whereby when the fluid pressure from said first accumulator reaches a minimum value, said check valve may be opened to operate said fluid motors from said second accumulator.

2,595,249

YIELDING RELEASE FOR MILLS AND CRUSHERS

Oscar C. Gruender, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application October 20, 1949, Serial No. 122,456
1 Claim. (Cl. 241—290)



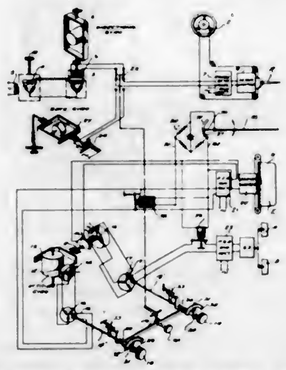
In a bodily removable bowl supporting unit for gyratory crushers, a ring formed and adapted to rest upon an upper frame flange of a crusher, the ring having an inwardly located, tapered bowl centering flange, a bowl support tiltably mounted on said flange, a bowl adjustably mounted on said support, an outer housing resting in sealed relationship upon said ring and surrounding said bowl support, a sealing closure between upper parts of said housing and bowl support, compression members extending through said ring each said compression member having portions extending downwardly below said ring and portions extending upwardly from said ring within the space between the bowl support and the housing, said compression members having abutments engaging upper portions of said housing and lower portions of said ring, springs about said compression members, said springs being under compression between upper portions of said housing and lower portions of said bowl support, the lower portions of said compression members being formed and adapted to be positioned in securing relationship with the upper frame portion of the crusher upon which the ring rests.

2,595,250

AUTOMATIC RECOVERY PILOT FOR AIRCRAFT

William M. Harcum, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application May 15, 1945, Serial No. 593,785
9 Claims. (Cl. 244—77)



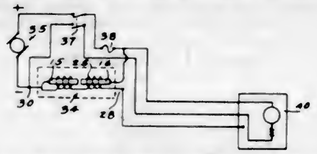
1. In an automatic pilot for aircraft having the normal bank and pitch stabilizer and rudder controls for maintaining level straight flight, manual means for altering the output of said controls for causing bank, pitch and turn of the craft, auxiliary means for causing said pilot, when thrown in, to recover level straight flight for unusual flight conditions, including a rate of turn responsive device, means for transferring the rudder control from the normal rudder control to said device for stopping turning regardless of heading, and means for simultaneously zeroing said manually altering means to restore the control of said stabilizer controls solely to the normal bank and pitch stabilizer, whereby level straight flight is reestablished through the automatic pilot.

2,595,251

SHORT-CIRCUITING CONTACTOR FOR DIRECT-CURRENT CIRCUITS

Lawrence H. Harrison, Birmingham, Ala., assignor to the United States of America as represented by the Secretary of the Interior

Application February 26, 1948, Serial No. 11,234
2 Claims. (Cl. 175—294)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electrical distribution system for use in mines, a utilizing device and a pair of transmission wires carrying direct current, one wire having a relatively low potential and the other wire having a relatively high potential, said utilizing device being connected across said low and high potential wires, there being a safety device between said high potential wire and said utilizing device, said utilizing device having a metal frame, a contactor device comprising a coil connected between said low potential wire and said frame,

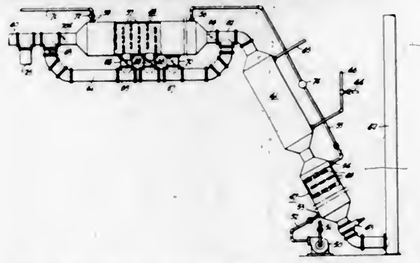
and a pair of axially movable cores within said coil normally separated but arranged for rapid closing when the current in said coil exceeds a predetermined value, one of said cores being connected to said low potential wire and the other of said cores being connected to said high potential wire through said safety device, said safety device being located remotely from said utilizing device and arranged to open when the current through said safety device exceeds a predetermined value.

2,595,252

METHOD OF AND APPARATUS FOR MANUFACTURE OF CARBURETED WATER GAS

John S. Haug, Philadelphia, Pa., assignor to United Engineers & Constructors Inc., Philadelphia, Pa., a corporation of Delaware

Application June 3, 1948, Serial No. 30,846
13 Claims. (Cl. 48—205)



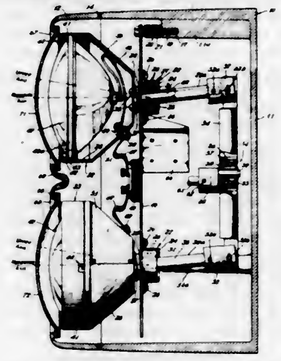
1. In the cyclic manufacture of carburetted water gas by a blow and run process which comprises during a heating period of the cycle blasting an ignited bed of solid fuel with air to raise the temperature thereof and to store heat therein, burning the resulting producer gas with secondary air and storing its heat by leading the products of combustion along a heat storage path in contact with refractory heat storage material arranged therein, and during a carburetted water gas generating period of the cycle utilizing a portion of the heat stored during the blow in the endothermic reaction of steam with the fuel bed to generate blue water gas, and simultaneously utilizing another portion of the stored heat for the gasification of petroleum oil in the presence of steam and of said blue water gas; the improvement comprising preheating said petroleum oil prior to gasification by subjecting, during the blow period of the cycle, a relatively quiescent batch of said oil, retained in metal tubes in a preheating zone, to indirect heat transfer from said hot combustion products passed through said preheating zone; and during a run period of the cycle flowing oil preheated to a temperature above approximately 600° F. and at a pressure sufficiently elevated to maintain said oil substantially in liquid phase at said temperature of preheating, from said preheating zone to the oil gasification zone of the carburetted water gas-generating system while replenishing said preheating zone with oil to be preheated therein during the subsequent blow period, and reducing the pressure on said oil between said preheating zone and said oil gasification zone to cause the flash vaporization of a considerable proportion of the preheated oil into said oil gasification zone by reason of the preheat therein with the deposition of unvaporized material upon the top of said fuel bed, the volume of preheated oil in the system at any time at a temperature above approximately 600° F. not exceeding the volume of said preheated oil utilized in said process within three successive cycles.

2,595,253

WARNING AND SIGNALING LIGHT HAVING OSCILLATABLE LAMP UNITS

Arthur C. Heehler and Thomas E. McDowell, Chicago, Ill., assignors to The Pyle-National Company, Chicago, Ill., a corporation of New Jersey

Application January 13, 1950, Serial No. 138,442
11 Claims. (Cl. 177—327)



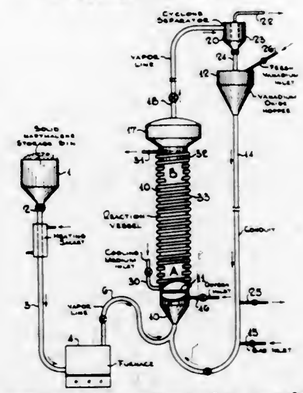
11. A warning and signalling light comprising a casing, a plurality of lenses aligned in spaced apart relationship in one wall of said casing, a light source unit for each of said lenses movably mounted in said casing in alignment with the corresponding lens, means to selectively energize said light source units, and means to move said light source units to project movable beams of light outwardly of said casing through said spaced apart lenses.

2,595,254

APPARATUS AND PROCESS FOR CIRCULATING POWDERED SOLID IN CHEMICAL TREATMENT

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Original application June 19, 1941, Serial No. 398,737. Divided and this application September 8, 1944, Serial No. 553,199
2 Claims. (Cl. 23—1)



1. A continuous method for conducting a chemical treatment of a gasiform material with a powdered solid material, which comprises flowing fresh powdered solid material by gravity in an elongated confined stream to a bottom inlet

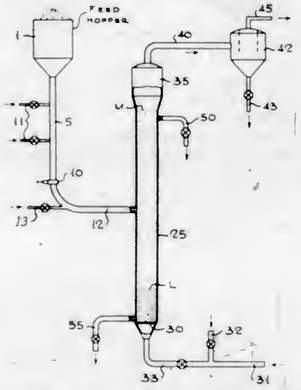
of a vertically elongated cylindrical treating zone, admixing a stream of gasiform material with said powdered solid material passing into said inlet, forcing the resulting mixture of the gasiform and powdered solid material upwardly in the form of separated streams of short length into the treating zone to form a dense turbulent suspension of the powdered solid material in the gasiform material, said dense suspension having an upper level at the top of said treating zone, and being of uniform high concentration, passing gasiform material upwardly from the treating zone through a superimposed separation zone of greater diameter than the treating zone so that entrained powdered solid material except for a small amount of finer particles drops from the gasiform material and is returned directly down into the treating zone as the gasiform material passes through the separation zone at a reduced velocity, passing the gasiform material carrying the finer particles overhead from said separation zone into a second separation zone in which said finer particles are separated, and recirculating said finer particles thus separated by adding them to the fresh powdered material as it is fed into said elongated confined stream at a point elevated above said treating zone.

2,595,255

PRODUCTION OF HYDROCARBONS FROM A GRANULAR SOLID REACTANT

Clinton H. Holder, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 26, 1946, Serial No. 718,409
7 Claims. (Cl. 260—668)



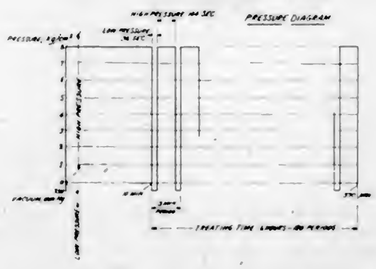
1. In a reaction of a granulated solid with a gaseous reactant, during which the granulated solid is at least partially decomposed and disintegrated into particles of substantially smaller size, the improvement which comprises maintaining a dense fluidized mass of the granulated solid having a top level in the bottom portion of a vertically elongated reaction zone by introducing said gaseous reactant into the bottom of said dense fluidized mass in a quantity sufficient to maintain said dense mass of the granulated solid in a continuously fluidized state, introducing fresh feed of the granulated solid at a feed point above said top level so that this fresh feed passes into and drops countercurrently to an upflowing stream of the gaseous reactant carrying partly decomposed and disintegrated particles of the solid reactant which are continuously arising from the fluidized mass toward and into an upper and longer part of the reaction zone, maintaining the disintegrated solid reactant particles in suspension in the gases in the upper and longer part of the reaction zone until fully decomposed to fine dust particles, and removing said dust particles from a top part of the reaction zone at a point sufficiently remote from the top level of the dense mass and above said feed point to allow substantially complete reaction of the partly decomposed particles of the solid reactant while carried in suspension through the upper part of the elongated reaction zone.

2,595,256

METHOD FOR WOOD IMPREGNATION

Sten T. Henriksson, Hammarbyhojden, Sweden, assignor to Bolidens Gruvaktiebolag, Skelleftehamn, Sweden, a joint-stock company limited of Sweden

Application June 18, 1948, Serial No. 33,900
In Sweden June 16, 1947
2 Claims. (Cl. 117—57)



1. In a process for impregnating wood in which the wood is subjected to alternate pressure and vacuum steps characterized in that the first step comprises forcing an impregnating liquid into the wood under a pressure higher than the pressure of the air in the wood to trap said air therein and the second step comprises a vacuum step in which the pressure is reduced below the pressure of the air in the wood and the change from high to low pressure occurs abruptly, the improvement that comprises progressively increasing in a linear manner the time period for a cycle of a single high and a single low pressure treatment from about one minute at the beginning of the process to about ten minutes at the end thereof and progressively increasing in stages the ratio of time of high to low pressure treatment within a cycle from about 30% to about 70% and finally to about 90% from the beginning of the process to the end thereof, each ratio being maintained for approximately an equal number of time periods and carrying out the process for a number of time periods in excess of at least five.

2,595,257

PROTEIN ADHESIVE COMPOSITION

Clark C. Heritage, Cloquet, Minn., assignor to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington

No Drawing. Application July 13, 1948, Serial No. 38,552
9 Claims. (Cl. 106—127)

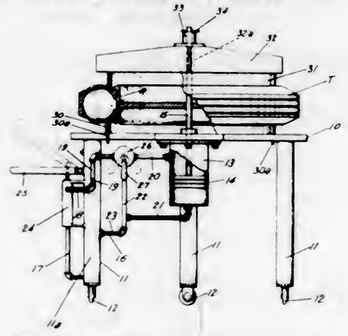
1. An aqueous protein adhesive which maintains its original viscosity during the interval of time between its preparation and application to the object to be glued, comprising a protein glue base and a water-soluble alkaline compound of an alkali metal, said adhesive having a buffer to retard the action of said alkali on the protein glue, said buffer being furnished to the protein adhesive by having present the alkali-reactive comminuted bark material of a coniferous tree, said bark material in aqueous solution being characterized by a pH between the limits of about 3.6 and about 4, said bark material comprising principally alkali-reactive parenchyma tissue and cork.

2,595,258

FLUID PRESSURE ACTUATED TIRE-CHANGING DEVICE WITH CIRCUMFERENTIALLY DISTRIBUTED THRUST MEMBERS

Albertis P. Hildred, Platteville, Colo.

Application September 28, 1946, Serial No. 700,042
2 Claims. (Cl. 157—1.2)



1. A tire changing apparatus for use on tires having a casing mounted on separable rim portions comprising a horizontal table, a plurality of legs supporting said table, a cylinder mounted below said table adjacent the central portion, a piston mounted within said cylinder, a piston rod connected to said cylinder and extending upwardly through said table, a source of hydraulic fluid under pressure connected to the upper and lower portions of said cylinder and means selectively controlling the flow of hydraulic fluid to the upper or lower portion of said cylinder, a cross frame adapted to be detachably connected to the free end of said piston rod, a lower ring adapted to rest on said table and engage the lower portion of a tire casing, an upper ring interposed between said cross frame and the upper portion of a tire casing, said upper ring providing sufficient space for the upward movement of one of said rim portions to free it from the casing and the other rim portion, and a plurality of detachable lugs adapted to be mounted on said lower ring and having inwardly extending flanges to engage the bottom edge of said other rim portion for movement relative to said one rim portion.

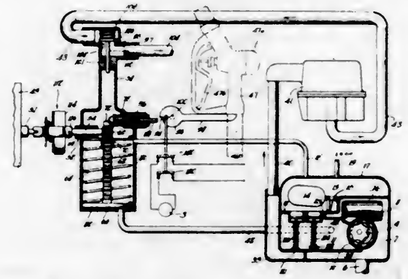
2,595,259

RESETTING MECHANISM FOR GASOLINE DISPENSING PUMPS

Robert H. Hill and Burdette W. Foss, Fort Wayne, Ind., assignors to Tokheim Oil Tank and Pump Company, Fort Wayne, Ind., a corporation of Indiana

Application February 28, 1947, Serial No. 731,636
28 Claims. (Cl. 222—33)

25. A liquid dispensing apparatus comprising a dispensing line adapted to be connected to a source of liquid supply, a valve means for controlling the flow of liquid through the dispensing line, register mechanism operable in accordance with the flow of liquid through the dispensing line, resetting means for the register mechanism, automatic control means for operating said resetting means and opening said valve means, and hydraulic means operated by the pressure of the liquid in the dispensing line for actuating said



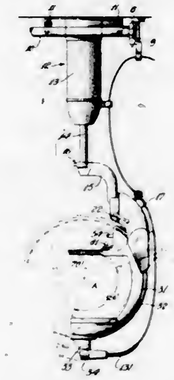
automatic control means, said control means completing the resetting of said register mechanism before opening said valve means whereby to insure that all liquid passing through the dispensing line is registered on the register mechanism.

2,595,260

MULTIPLANE X-RAY APPARATUS

Oswald C. Hollstein, Secaucus, N. J., assignor to F-R Machine Works, a firm

Application February 5, 1949, Serial No. 74,753
18 Claims. (Cl. 250—53)



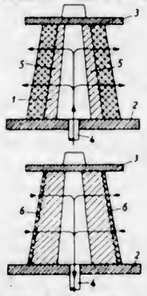
1. A multiplane X-ray apparatus comprising a normally depending vertical support, a crescent support for an X-ray tube and fluoroscopic screen and means connecting said crescent support with said vertical support for rotation of said crescent about a virtual horizontal axis passing through the space within the periphery of said crescent, and for rotation about said support whose axis when extended downwardly is at about right angles to and approximately intersects said virtual horizontal axis.

2,595,261

METHOD OF ACCELERATING THE CONDITIONING OF TEXTILES AFTER DRYING

Emil Honegger, Zurich, Switzerland, assignor to Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, Zurich, Zurich, Switzerland, a firm of Switzerland

Application July 18, 1946, Serial No. 684,415
In Switzerland July 27, 1945
2 Claims. (Cl. 34—34)



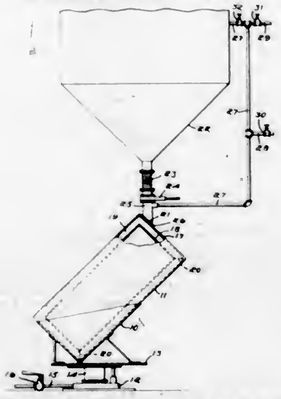
1. Process for conditioning textile material, comprising forcing a drying current of air under pressure through the body of a substantially thick mass of wet textile material in a given direction, stopping the flow of drying air when said material contains a residual but non-uniformly distributed quantity of moisture corresponding approximately to the desired total moisture content of the mass of textile material when in conditioned form, and thereupon passing a current of air less than saturation moisture content through the material in the opposite direction to that of the air used for the drying step until said residual quantity of moisture is substantially uniformly distributed in the textile material by being carried by said second current of air from the region of one surface of said material to the opposite surface.

2,595,262

METHOD AND APPARATUS FOR FILLING CONTAINERS

Ralph S. Hood, Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

Application March 26, 1949, Serial No. 83,566
9 Claims. (Cl. 20—101)



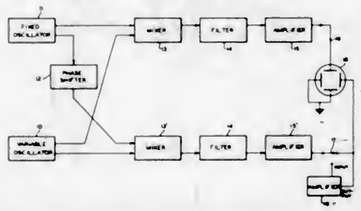
1. A method of filling containers and the like with particles of insulating material which comprises supplying particles of insulating material by gravity feed to the enclosed void space of a container having flexible walls until said void space is at least partially filled with insulating material, stopping the supply of said insulating material, supplying compressed air to the void space above the insulating material under sufficient pressure to pack the insulating material and to bulge the walls of said container, releasing the air pressure thus created on the walls of said container, the aforesaid operations being carried out while said container is being jolted, and then repeating the foregoing steps while the container is being jolted until the enclosed void space of the container has been filled with insulating material to the desired extent.

2,595,263

APPARATUS FOR MEASURING THE PHASE SHIFT BETWEEN THE INPUT AND OUTPUT VOLTAGES OF A CIRCUIT UNDER TEST

Clyde E. Ingalls, Canisteo, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application April 12, 1946, Serial No. 661,600
2 Claims. (Cl. 172—245)



1. Apparatus for measuring the phase shift between the input and output voltages of a circuit comprising, a fixed frequency oscillator, a variable frequency oscillator, first and second mixer circuits, means for applying the output of said variable frequency oscillator directly to said first and second mixers, an adjustable phase shifter, means for applying a portion of the output of said fixed frequency oscillator through said phase shifter to said second mixer, means for applying another portion of the output of said fixed frequency oscillator directly to said first mixer, first and second filters respectively coupled to said first and second mixers for selectively passing signals of the same frequency, a phase detector, means for applying the signals from said first and second filters to said phase detector whereby an initial indication of the difference in phase of said signals may be obtained, and means for disconnecting said second filter from said phase detector and connecting said circuit under test between said second filter and said phase detector, whereby the adjustment of said phase shifter to obtain an indication corresponding to said initial indication is a measure of the phase shift introduced by said circuit.

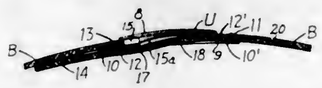
2,595,264

FASTENING DEVICE FOR STRAPS AND THE LIKE

Aksel T. Jespersen, Estes Park, Colo.

Application June 27, 1946, Serial No. 679,800
8 Claims. (Cl. 24—176)

1. A device of the character described comprising fastening means having a base plate and depending transverse bars forming slots at opposite ends of said base plate, an upstanding pin formed on one of said bars, a depending lug on the base plate adjacent the other of said bars, a strap having a plurality of apertures in one end, one of which is adapted to engage said pin, the thickness of the strap being substantially equal



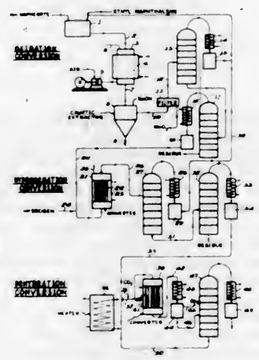
to the vertical distance between the base plate and the transverse bars, an open ended recess provided at the other end of said strap and adapted to engage said lug, and a depending flange also provided on the other end of said strap and adapted to engage said other bar.

2,595,265

PROCESS OF OXIDATION OF ETHYL NAPHTHALENE

Robert Johnson, Verona, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Original application July 13, 1945, Serial No. 604,806. Divided and this application October 5, 1946, Serial No. 701,408. In Canada July 8, 1946
6 Claims. (Cl. 260—586)



1. In a process for producing methyl naphthyl carbinol and methyl naphthyl ketone from ethyl naphthalene, the steps of acting upon ethyl naphthalene with an oxygen-containing gas in the presence of a heavy metal salt selected from the class consisting of cobalt stearate, cobalt naphthenate, cupric acetate, manganous acetate, manganous carbonate, manganous naphthenate, and chromic naphthenate at a reactive temperature below that at which a substantial dehydration of methyl naphthyl carbinol occurs, separating off insoluble materials and acidic by-products, subjecting the remainder to distillation at a pressure below atmospheric to distill over methyl naphthyl carbinol at a temperature below that at which substantial dehydration of methyl naphthyl carbinol occurs, and recovering in said distillation a fraction boiling substantially as the mixture of methyl naphthyl carbinol and methyl naphthyl ketone produced by the oxidation.

2,595,266

PRODUCTION OF ALPHA-NAPHTHOL BY CATALYTIC REDUCTION OF ALPHA-TETRALOL AND ALPHA-TETRALONE

Robert Johnson, Ingomar, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application January 9, 1948, Serial No. 1,490
4 Claims. (Cl. 260—621)

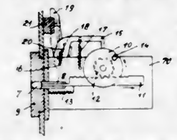
1. In the production of alpha-naphthol, the method which comprises converting alpha-tetralone into products containing at least 80 percent of alpha-naphthol, based on the amount of alpha-tetralone converted, by contacting vapors of alpha-tetralone with calcined limestone at a temperature in the range between 500° and 650° C. for a time in the range between 0.5 to two seconds and in the presence of steam.

2,595,267

COMBINATION LOCK

Maurice Etienne Julliard, Paris, France

Application March 6, 1946, Serial No. 652,308
In France November 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 23, 1963
8 Claims. (Cl. 70—387)



1. In a combination lock operable by means of a key carrying a plurality of pins of different lengths; a lock casing, a bolt guided in said casing for movement in two opposite directions, a frame rotatably mounted in said casing about an axis at right angles to the direction of movement of said bolt and provided with a plurality of bores in which said key pins are adapted to be inserted, a spring actuated tumbler in each of said bores and adapted to be moved against the action of said spring towards the interior of the casing when said key pins are introduced into said bores, locking discs corresponding to the number of tumblers and rotatably mounted in said frame, each disc being provided with a notch, means connecting each of said tumblers with a corresponding disc whereby said discs may be rotated to bring the notches thereof in alignment with one another upon movement of said tumblers by said key pins into said bores, a fence rotatable about said axis at right angles to the direction of movement of the bolt and adapted to be engaged in said notches when the same have been brought into alignment position upon introduction of said pins into said bores, whereby said frame, tumblers, locking discs and fence form then a rotatable unit, and cooperating means on said fence and on said bolt and adapted to move said bolt when said unit is rotated by said key.

2,595,268

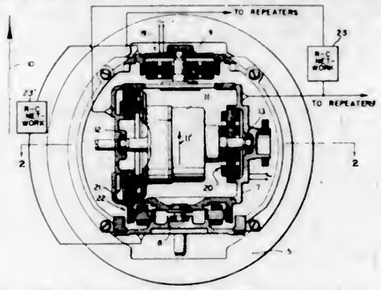
INSTRUMENT PROVIDING A VERTICAL REFERENCE FOR DIRIGIBLE CRAFT

Spencer Kellogg, 2nd, Glen Head, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application October 26, 1946, Serial No. 705,878
16 Claims. (Cl. 74—5.7)

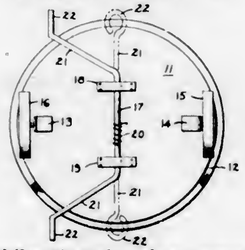
1. An instrument providing a vertical reference for dirigible craft including, in combina-

tion, a gimbal ring pivotally mounted on the craft for movement about an axis parallel to the fore and aft axis of the craft, a pendulum pivotally supported on said ring about an axis normally parallel to the athwartship axis of the



craft, and a gyro rotor journalled in said pendulum for spinning about an axis coincident with said axis of the pendulum, means for varying the speed of said rotor in accordance with the speed of the craft.

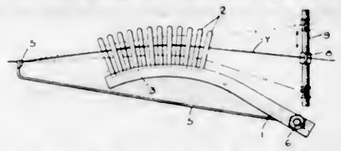
2,595,269
WHEELED SHOPPING BAG
Chester F. Keys, Seattle, Wash.
Application May 17, 1949, Serial No. 93,657
2 Claims. (Cl. 280—51)



1. A mobile shopping bag comprising base plate means, said base plate means comprising two circular plates; a bag secured between said circular plates and extending upwardly therefrom; two substantially parallel wheels each of which is mounted on an opposite edge portion of the lower of said circular plates and aligned with a common axis; an angularly movable U-shaped supporting rest connected with the lower of said circular plates and comprising a base rod portion pivoted to the underside of said base plate means, feet portions extending substantially parallel to the underside of said base plate means, and leg portions interconnecting said base rod portion and said feet portions, each of said feet portions being movable downwardly to substantially the level of the lowermost portions of said wheels; and resilient means urging said supporting rest upwardly and flatly against the bottom of the lower of said circular plates.

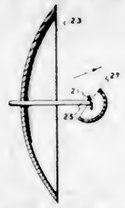
2,595,270
ADDITIVE TENSION DEVICE
Norman E. Klein, Stamford, Conn., assignor to Deering Milliken Research Trust, Greenwich, Conn., a nonprofit trust of Maine
Application December 9, 1949, Serial No. 131,992
6 Claims. (Cl. 242—153)

1. The combination with a quill winder having a traverse bar which reciprocates longitudinally of the quill to be wound, a tension device mounted on said bar for movement therewith, said tension device comprising a row of fixed pins adapted to engage therebetween material to be wound on the quill, the pins being so disposed



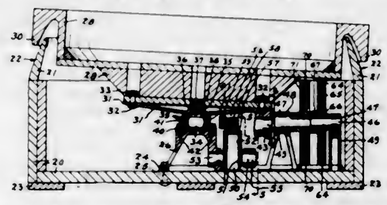
that the axes of alternate pins extend in planes diverging through a small angle from the plane perpendicular to the direction of traverse of the bar, whereby the total angle of contact of the material with the pins varies with the diameter of the winding on the quill.

2,595,271
ANTENNA LOBE SHIFTING DEVICE
Morris Kline, Little Silver, N. J.
Application December 20, 1943, Serial No. 514,941
7 Claims. (Cl. 250—33.65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



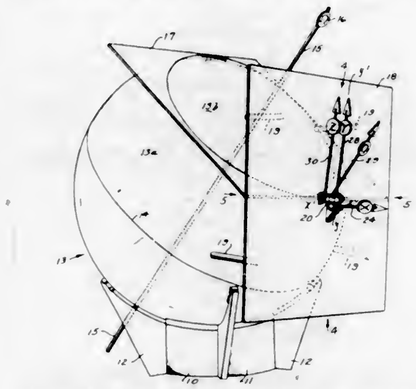
1. In a radio direction finding system for microwave operation, a reflector, said reflector having the form of a paraboloid; a dipole antenna element, said dipole being located in proximity to the focus of said paraboloid, an auxiliary reflector, said auxiliary reflector having substantially the form of a hemisphere with its center at the center of said dipole, and the plane of the aperture of said hemisphere being at an angle of other than 90° with respect to the axis of said paraboloid; and means for rotating said hemisphere about the axis of said paraboloid to effect a wobbling of the direction of maximum response of said paraboloidal reflector and antenna.

2,595,272
MECHANICAL CHAIR
Alwin Kost, Portland, Oreg., assignor to Kost Multiple X, Inc., Portland, Oreg., a corporation of Oregon
Application May 21, 1947, Serial No. 749,538
5 Claims. (Cl. 128—33)



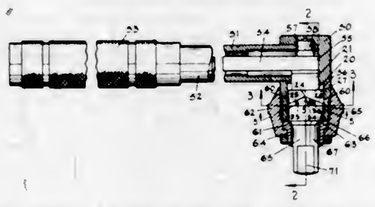
1. A chair comprising a base portion; an upper structure; a ball and socket joint mounting said upper structure on said base portion; a driven crank connected with said upper structure operable to simultaneously pivotally oscillate said upper structure about a horizontal axis and a vertical axis; and a piston connected with said upper structure operable to simultaneously pivotally oscillate said upper structure about another horizontal axis substantially at right angles to said first mentioned horizontal axis.

2,595,273
TRAINER DEMONSTRATOR FOR SET OF SPACE COORDINATES FIXED TO THE EARTH
Max Kramer, Las Cruces, N. Me...
Application April 13, 1951, Serial No. 220,961
3 Claims. (Cl. 35—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



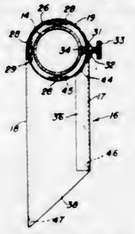
1. In a trainer-demonstrator for illustrating the equations of motion, a sphere representing the earth, a first plane intersecting said sphere at 40° north latitude, a second plane tangent to the sphere at a point lying on the line of intersection of the first plane and the sphere, said second plane being inclined at an angle of 39° from vertical toward the north-south axis of the sphere, a plurality of arrows representing vectors mounted on said second plane substantially at the point of tangency, at least one of said arrows being pivotable along the line of intersection of the two planes and the remainder being pivotable in a direction perpendicular to said named arrow.

2,595,274
POWER TRANSMISSION
Charles A. Latimer, Toledo, Ohio
Application June 13, 1946, Serial No. 676,454
16 Claims. (Cl. 64—29)



1. A power transmission having a housing, a driving member and a driven member in said housing, one of said members being mounted in the housing for lineal non-rotative movement relative to the housing, the other of said members being mounted in the housing for rotation relative to said housing, an element in the housing having angularly related surfaces, one of said members having angularly related surfaces conjugate to the first mentioned surfaces, the other of said members pivotally mounting said element for rotation about an axis parallel to the axis of rotation of the member mounted for rotation, and means constraining the member and element surfaces into engagement with each other.

2,595,275
LAMP SHADE ADJUSTABLY MOUNTED DIRECTLY ON AN ELONGATED TUBE
John C. Long, Charleston, S. C.
Application August 27, 1947, Serial No. 770,781
8 Claims. (Cl. 240—108)

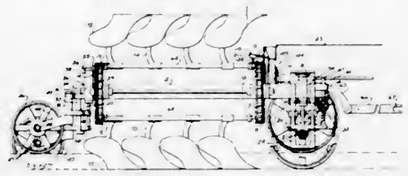


3. An opaque box-like shade for an elongated lamp tube comprising an intermediate wall, internal lamp tube gripping means on said intermediate wall comprising at least two spaced annular devices surrounding and frictionally gripping said lamp tube, two spaced walls projecting from the opposite sides of said intermediate wall and defining a light restricting and directing passage open only at the end remote from the lamp, and end walls connecting the opposite ends of said spaced walls apertured to permit passage of a lamp tube.

2,595,276
POLYVINYL ALCOHOL LUCROSE HEMOSTAT
Milton Lester Lowry, Los Angeles, Calif.
No Drawing. Application March 29, 1948, Serial No. 17,815
6 Claims. (Cl. 167—58)

3. A hemostatic agent comprising an aqueous solution of polyvinyl alcohol and sucrose, the polyvinyl alcohol being present in an amount from 2 to 20% and the sucrose in an amount from 1 to 10%.

2,595,277
REVERSIBLE PLOW
Berton M. Mathias, Monte Vista, Colo.
Application April 8, 1949, Serial No. 86,343
6 Claims. (Cl. 97—25)



1. A reversible plow comprising an elongated frame, a pair of front wheels disposed at respec-

tively opposite sides of said frame, a pair of rear wheels disposed at respectively opposite sides of said frame, a plurality of spaced-apart, substantially parallel beams extending longitudinally of said frame and laterally movable relative to the latter, plow shares carried one by each of said beams and arranged in two different gangs with the plow shares in one gang oppositely acting from the plow shares in the other gang, flexible means inter-connecting said beams at their opposite ends, sprockets journaled on said frame at respectively opposite sides of the latter and engaging said flexible means to move said beams laterally relative to said frame, gear means carried by said frame and connectible with a tractor power take-off for driving said sprockets, clutch means connected to said gear means for discontinuing the sprocket drive when either one of said plow share gangs has been moved to operative position beneath said frame, a manually-operated control for said clutch means, and manually-controlled means engageable between said frame and said front wheels for holding said wheels at respectively different distances from said frame corresponding to the plow gang disposed in engagement with the ground at the under side of the frame.

2,595,278

PREPARATION OF INSULIN FROM PANCREAS GLANDS

Loyal C. Maxwell, Chicago, and William P. Hinkel, Brookfield, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application April 28, 1950
Serial No. 158,928
7 Claims. (Cl. 167—75)

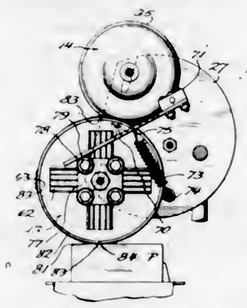
1. A process for obtaining insulin from pancreas glands, comprising subjecting said glands to extraction at a pH of 2.5–4.0 with a mixture of phosphoric acid and an organic solvent for insulin which is compatible with phosphoric acid, and recovering insulin in the extract.

2,595,279

PRINTING MECHANISM SYNCHRONIZER

James G. McKay, Chicago, Ill.

Application July 31, 1948, Serial No. 41,805
1 Claim. (Cl. 101—35)



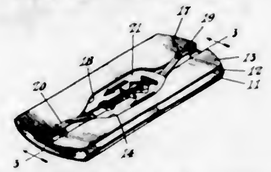
In a printing mechanism having a freely rotatable printing wheel with a plurality of printing points circumferentially spaced thereabout adapted to engage the surface of one package of a line of spaced packages moving past the wheel and in rolling engagement therewith, means for synchronizing the position of printing on the package surface with engagement thereof by a printing point on said wheel comprising a plate member adjustably secured to and rotatable with said printing wheel, a plurality of circumferentially arranged freely rotatable rollers secured to said plate and protruding therefrom, the number of rollers being equal to the number of printing points, an elongate rectilinear member fixedly secured relative to said rollers and having a resilient arm with a flat surface adapted to engage said rollers, a plurality of notches spaced along said member intermediate the ends thereof, a spring selectively engaged in any one of said notches for biasing said flat surface into engagement with said rollers with a pressure determined by the position of the notch whereby said flat surface will bear against said rollers to rotate said plate member from an unstable position in which said flat surface is bearing against only one roller to a position wherein said flat surface engages against a pair of said rollers, said plate member adapted to be adjusted angularly relative to said wheel.

2,595,280

BLADE DISPENSING MAGAZINE

Charles L. Metzler, Palisades Park, N. J., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application December 30, 1947, Serial No. 794,639
5 Claims. (Cl. 206—16)



1. A blade-dispensing device comprising a sheet metal envelope having a substantially rectangular bottom, upstanding side walls each having a longitudinal corrugation therein, and inturned cover flanges of spring material having opposed edges which tend to flex always toward said bottom and are separated by a narrow longitudinal space, and aligned blade-locating ribs spaced from each other and projecting upwardly from the bottom to points above the inner edges of said flanges.

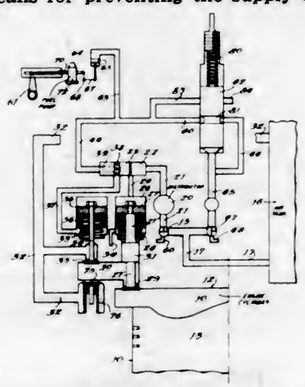
2,595,281

APPARATUS FOR USING ONE CYLINDER OF AN INTERNAL-COMBUSTION ENGINE INTERCHANGEABLY AS A PUMP AND A POWER CYLINDER

Ralph H. Miller, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Application November 14, 1947, Serial No. 785,841
5 Claims. (Cl. 60—16)

4. In combination with the combustion chamber of a cylinder of a multi-cylinder, self-ignition engine, an air chamber, a starting valve adapted to open and close the communication between the combustion chamber and the air chamber, a receiver for compressed air, a conduit between it and the air chamber, a spring loaded check valve adapted to permit flow of air from the air chamber to the conduit when the pressure in the chamber exceeds the pressure in the conduit, an auxiliary starting valve between the conduit and the air chamber, yielding means biased to seat the starting and the auxiliary valves, means for simultaneously opening the starting valve and closing the auxiliary valve and means for preventing the supply of fuel to



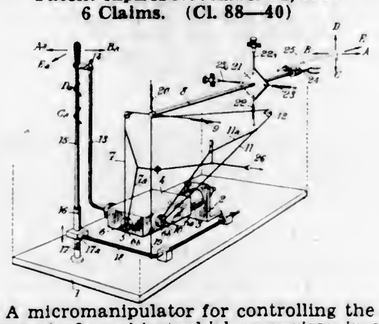
the combustion chamber when the auxiliary valve is closed.

2,595,282

MICROMANIPULATOR

Jacques Monchablon, Marignane, France

Application August 7, 1947, Serial No. 767,167
In France November 21, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires November 21, 1960
6 Claims. (Cl. 88—40)



5. A micromanipulator for controlling the displacement of an object which comprises, in combination, a support, a holder for said object, elastic suspension means deformable in three distinct spatial directions interposed between said support and a central portion of said holder, three strings fixed to said holder at a distance from said central portion, a single control member movably carried by said support to have three distinct kinds of displacement with respect thereto, transmission means between said control member and said strings to pull them in the respective directions of the three axes of a three dimensional system of coordinates in response to said three kinds of displacement of said control member respectively, and spring means interposed between said support and said holder for yieldingly opposing the pulling actions of said strings.

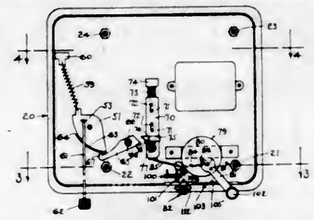
2,595,283

TOASTER AND THE LIKE

Rudolph R. Mueller, Marion, Ind.

Application November 24, 1947, Serial No. 787,652
3 Claims. (Cl. 219—19)

1. In a toaster for production of either regular toast or melba toast, a circuit including a main toaster heating element, a spring operated timer, main switch means in said circuit, said timer including a movable element manually movable in one direction to wind said timer and being spring movable in the other direction during time count discharge of the timer to a zero position, manually adjustable means to limit movement of said movable element of the timer in the timer winding direction, means to move said main switch means to circuit closing position when the timer movable element is moved from said zero position and to open said main switch when the timer movable element is in its zero position, a resistor, connections to place said resistor in series connection with said circuit to increase the resistance of said circuit, together with second switch means, connections to bridge said second switch means across said resistor when said second switch means is closed, means to move



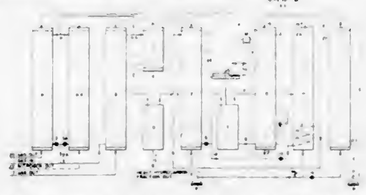
said second switch means to its open position when said manually adjustable movement limiting means is more than a predetermined distance from the zero position and to move said second switch means to its closed position when said manually adjustable movement limiting means is less than said predetermined distance from the zero position, whereby when the manually adjustable means is more than said predetermined distance from the zero position said resistor is included in circuit with the main toaster heating element to reduce current and heating effect for production of melba toast, and whereby when the manually adjustable means is less than said predetermined distance from the zero position said resistor is excluded from circuit with the main toaster heating element to not reduce current and heating effect of the main heating element for production of regular toast.

2,595,284

METHOD AND APPARATUS FOR TREATMENT OF GASEOUS HYDROCARBON MIXTURES

Paul V. Mullins, Amarillo, Tex., assignor to the United States of America as represented by the Secretary of the Interior

Application December 31, 1948, Serial No. 68,445
7 Claims. (Cl. 62—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A process for the treatment of gaseous hydrocarbon mixtures containing a substantial proportion of nitrogen as a diluent comprising refrigerating a stream of the gas under superatmospheric pressure with effluent methane in a

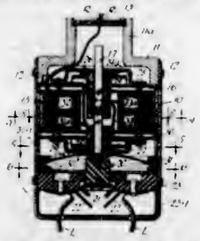
first heat exchange zone, liquefying the nitrogen and methane of the gas by adiabatic expansion thereof followed by heat exchange with colder nitrogen vapors in a second heat exchange zone, refluxing the resulting vapor and liquid fractions with liquid nitrogen in a rectifying zone to separate the nitrogen as a vapor fraction and the methane as a liquid fraction, vaporizing a portion of the liquid fraction in heat exchange with a portion of the nitrogen vapors, thereby producing liquid nitrogen for reflux in the rectifying zone, and utilizing the remaining vapor and liquid fractions for cooling the gas being treated in said second and first heat exchange zones.

2,595,285

ELECTRICAL RELAY AND SOLENOID MECHANISM

Joseph F. O'Brien, Lebanon, and John B. Cataldo, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application February 4, 1947, Serial No. 726,362
7 Claims. (Cl. 200—103)



1. An electrical relay comprising a single solenoid coil; a solenoid plunger rod extending through said coil; circuit make and break contact means carried by said plunger rod; an intermediate plunger element of magnetic material fixed to said plunger rod within the effective field of said coil; a pair of auxiliary plunger elements of magnetic material freely mounted on said plunger rod at respective opposite ends of said fixed plunger element, and independently slidable relative thereto, said auxiliary plunger elements also lying within the effective field of said coil; a pair of limit stops determining the respective outward limits of travel of said auxiliary plunger elements relative to said intermediate plunger element; resilient means normally acting to maintain said auxiliary plunger elements against their respective limit stops; mechanical latching means independently and alternatively operative on the respective auxiliary plunger elements to restrict movement of one or the other of said auxiliary plunger elements upon alternate cycles of energization and deenergization of said solenoid coil, said intermediate plunger being movable to unlatch said latching means during each cycle of energization and deenergization; and means for normally retaining said plunger rod in its respective thrown positions.

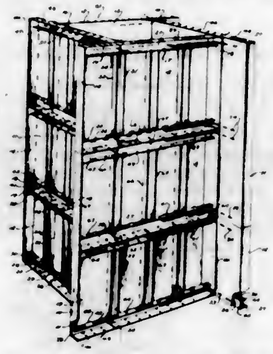
2,595,286

SECTIONAL METAL CONCRETE COLUMN FORM

Lowell M. Otte and Jonathan R. Merica, Omaha, Nebr.

Application November 30, 1948, Serial No. 62,648
2 Claims. (Cl. 25—131)

1. A metal concrete column form including interfitting and adjustably connected large and small sections, said small sections being of the same horizontal width as the large sections and not more than half of the vertical length of the large sections, each of said sections having a smooth inner face and provided with opposed vertical side flanges extending laterally from the outer face thereof, transverse channel members connected to the outer face of each section between the side flanges and adjacent the top and bottom thereof, each of said channel members having a wide outer flange and a narrow inner flange, each of said large sections intermediate its vertical length having a pair of transverse channel members connected to its outer face and provided with abutting horizontal wide flanges and spaced outer narrow flanges, the wide flanges of said channel members having inner and outer transverse rows of vertical openings and the narrow flanges of said channel members having a single row of transverse vertical openings, said sections and said channel members



having spaced transverse slots extending inwardly from one side of each section, the opposite side of each section having spaced vertically aligned lugs extending outwardly therefrom and arranged to extend through slots in adjacent sections when the form is set up, said lugs having vertical holes therein, and retaining means extending through said holes and the holes in said flanges for connecting the sections together, and retaining pins extending through holes in abutting flanges of the sections for maintaining the same in a fixed position, the sections being constructed and arranged so that the form is erected by initially positioning between spaced opposed small sections, large opposed sections so that as the sections are superposed one on the other with their joints staggered, the alternate sides of the sections being interlocked at the center of each large section by the lugs extending through aligned slots in adjacent sections to provide a rigid and firm unitary structure.

2,595,287

ELECTRIC SHAVER LIGHT

Lester L. Perry, Denver, Colo.

Application October 7, 1946, Serial No. 701,775
3 Claims. (Cl. 240—2)



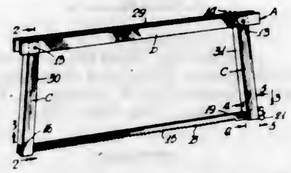
2. An illuminating device for an electric shaver having a casing and motor contacts, comprising a hood surmounting and forming a fixed part of the casing of said shaver, a low voltage bulb mounted in one end of said hood to illuminate the working zone of said shaver, a low voltage adapter member electrically connected to said bulb and detachably connected to said hood, a connection plug having a pair of normal contacts adapted to engage the conventional motor contacts of said shaver and a pair of low voltage contacts adapted to engage said low voltage adapter member and a three-wire conduit connected to said connection plug supplying normal voltage to said normal voltage contacts and low voltage to said low voltage contacts.

2,595,288

FOLDING SAW CONSTRUCTION

Charles F. Peters, Staten Island, N. Y.

Application November 22, 1949, Serial No. 128,890
3 Claims. (Cl. 145—33)



1. A collapsible folding saw having a saw blade, a main cross member consisting of two parallel spaced elongated plates provided with pivot pins at the ends thereof, two tubular legs of rectangular tubular cross section positioned at their upper ends between said plates and mounted on said pivot pins, the lower ends of said legs being slotted to receive the saw blade and the saw blade being provided with end members to enable it to be mounted on the ends of the side legs, said legs being adapted to be collapsed within and between said plates and said saw blade being adapted to be removed and inserted within said collapsed legs when the saw is collapsed.

2,595,289

LEVEL MAINTAINING IMPLEMENT FRAME LIFT

Ernel Peterson, Salina, Utah

Application November 18, 1949, Serial No. 128,090
2 Claims. (Cl. 37—180)



2. In combination, a frame, said frame comprising a pair of spaced parallel side members, a plurality of spaced parallel braces extending between the ends of said side members and secured thereto, a blade extending between said side members and secured thereto, a pair of spaced parallel horizontally disposed support members arranged intermediate said braces and secured to said side members, a pair of spaced parallel bars extending between said support members and secured thereto, an axle arranged intermediate said pair of support members, a pair of ground-engaging wheels mounted on said axle, a shaft rotatably supported by said axle, a pair of arms having one end secured to said shaft, a roller mounted on the other end of each of said arms and disposed below said bars, a pair of rods each having one end pivotally connected to one of said support members and their other end secured to said axle, a pair of standards arranged on opposite sides of each of said bars and secured to said axle for guiding said frame during the movement thereof, a quadrant sheave secured to said shaft, a tongue secured to the front of said frame, a tripod projecting upwardly from said tongue and secured thereto, a pulley supported by said tripod, a bracket adapted to be secured to the power take-off housing of a tractor, a cable trained over said pulley, said cable having one end connected to said bracket and its other end connected to said sheave, a drawbar pivotally connected to said tongue, and means operatively connecting said drawbar to the power take-off of a tractor.

2,595,290

WATER PURIFICATION

David H. Quinn, United States Navy, assignor to Quinn Products, Inc., Boston, Mass., a corporation of Massachusetts

No Drawing. Application July 25, 1946, Serial No. 686,100
3 Claims. (Cl. 252—177)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

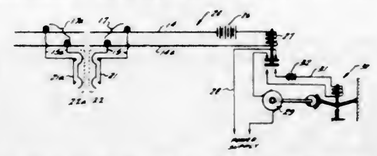
3. A composition for water purification consisting essentially of an admixture of from 75 to 40 per cent by volume of granules of an adsorptive material selected from the group consisting of activated carbon and silica gel, from 10 to 30 per cent by volume of an ion exchange synthetic resin and from 15 to 30 per cent by volume of granules coated with a bactericide of relatively low water solubility selected from the group consisting of silver chloride and silver sulphide, said bactericide coated granules being separate from said adsorptive material and resin granules and said bactericide normally producing a concentration just sufficient to destroy bacteria developing in said adsorptive material and resin granules during periods of non-use of the purification unit.

2,595,291

DOOR CONTROLLER

Thomas B. Ramsey and Eldon S. Gray, Dayton, Ohio

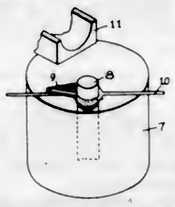
Application January 30, 1947, Serial No. 725,178
1 Claim. (Cl. 318—275)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An electric circuit assembly comprising a pair of conductors, a source of low voltage current for energizing said conductors, a switch having at least two separable contact members movable along said conductors, one of said contacts being electrically connected to one of said conductors and the other of said contacts being electrically connected to said other conductor, a relay having an electromagnet and a pair of contacts actuated thereby, said elemtromagnet being included in the circuit defined by said pair of conductors and said separable contacts, a drive motor having an energizing circuit including said contacts of said relay, a brake solenoid having an energizing circuit controlled by said contacts of said relay, the

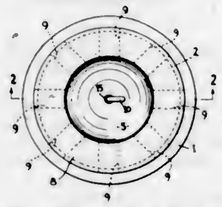
brake solenoid being a component of an electromagnetic brake and adapted to brake said drive motor when said relay operates to de-energize said drive motor.

2,595,292
METHOD OF ADDING ALLOYS TO METALS
Herbert A. Reece, Cleveland Heights, Ohio
Application October 5, 1949, Serial No. 119,659
5 Claims. (Cl. 75—122)



1. The method of incorporating an alloying ingredient in a molten metal, said method comprising stationarily supporting the alloying ingredient, in the form of a rod or stick, substantially vertically in a ladle, and causing molten metal to flow into the ladle in a stream spaced laterally a substantial distance from said rod so as to avoid impingement of the stream of metal against the rod, whereby the rod is progressively melted from its lower end upwardly as the level of the molten metal rises in the ladle, and the alloying ingredient is uniformly distributed throughout the molten metal.

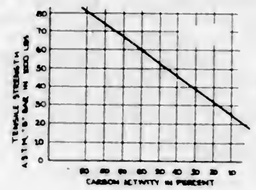
2,595,293
APPARATUS FOR DETERMINING THE FLUIDITY OF MOLTEN METALS
Herbert A. Reece, Cleveland Heights, Ohio
Application March 31, 1950, Serial No. 153,137
7 Claims. (Cl. 73—15)



6. Apparatus for determining the fluidity of molten metal, said apparatus comprising a basin adapted to receive a quantity of the molten metal to be tested, said basin including an outlet, a stopper for said outlet for holding the molten metal in the basin until a predetermined head of molten metal is attained, and said apparatus being provided below said outlet with a test cavity into which the molten metal flows when the stopper is removed.

2,595,294
PRODUCTION OF IRON FOR USE IN THE MANUFACTURE OF CAST IRON PRODUCTS
Herbert A. Reece, Cleveland Heights, Ohio
Application May 16, 1950, Serial No. 162,292
4 Claims. (Cl. 75—43)

1. The method of producing cast iron of controlled physical properties including desired tensile strength, which comprises charging into a melting furnace a mixture of ferrous materials having a total carbon activity coefficient in percent substantially as indicated in Figure 6 of the drawings with the total carbon activity coefficient of the charge plotted against tensile



strength on said Figure 6, the carbon activity coefficient in percent being substantially as indicated for various ferrous materials in Figure 8 of the drawings.

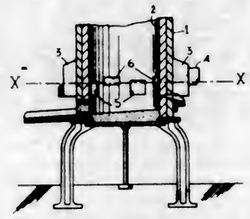
2,595,295
WEDGE TESTING
Herbert A. Reece, Cleveland Heights, Ohio
Application June 15, 1950, Serial No. 168,246
9 Claims. (Cl. 75—130)



1. The method of controlling the carbide balance in the production of castings from molten iron, which comprises pouring from the iron a single test specimen consisting of a plurality of standard wedges of different cross-sectional area and different angularity at the wedge edge, permitting the specimen to become solidified, severing the test specimen transversely of one of the wedges for observation of the carbide balance in said wedge, and similarly severing as many of the other wedges as necessary for observation of the carbide balance therein, if the first wedge fails to reveal the desired information, and adjusting the composition of the molten iron in accordance with the revelation of the specimen to obtain the desired properties in the castings.

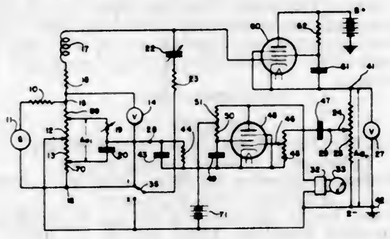
2,595,296
TUYÈRE ARRANGEMENT IN CUPOLA FURNACES
Herbert A. Reece, Cleveland Heights, Ohio
Application June 15, 1950, Serial No. 168,247
3 Claims. (Cl. 266—30)

1. In a cupola furnace, an arrangement of tuyères comprising a row of horizontally-spaced tuyères of predetermined height and through which air passes into the cupola in a substantially horizontal direction, and a second row of horizontally-spaced tuyères of less height than those of the first row, and through which the air passes into the cupola in a substantially horizontal direction, the tuyères of the second row alternating with the tuyères of the first row, all of the tuyères being intersected by a common horizontal plane, with portions of the tuyères of the second row being disposed above



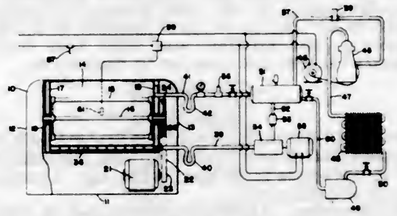
a horizontal plane passing through the upper edges of the tuyères in the first row.

2,595,297
METHOD AND APPARATUS FOR MEASURING ELECTRICAL IMPEDANCES
Matthew J. Relis, Ferndale, N. Y.
Application June 26, 1947, Serial No. 757,298
24 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



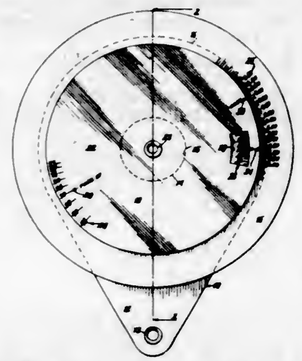
1. In apparatus of the character disclosed for measuring the dissipation factor of an electrical impedance, a series circuit, a source of voltage of predetermined frequency for energizing said circuit, said circuit including said electrical impedance and a variable impedance element adapted to be adjusted to a reactance conjugate to the reactance of the impedance to be measured at said frequency, a variable voltage divider of high resistance connected to said circuit in such a manner that a voltage substantially equal to the voltage across said variable impedance element is impressed across said voltage divider, said voltage divider being calibrated in terms of the ratio of the total resistance to the output resistance thereof in accordance with the instant setting of the divider, means for securing from said source a comparison voltage having a predetermined amplitude ratio to said source voltage and having a quadrature phase relationship with respect to the phase of said source voltage, a null detector sensitive to phase and amplitude null conditions, and a circuit including said null detector and interconnecting said voltage divider and said last named means for impressing said comparison voltage and the output voltage of said variable voltage divider on said detector whereby the setting of the voltage divider provides a measure of the dissipation factor of the impedance to be measured in terms of said ratios when the divider and variable impedance element have been alternately adjusted to positions producing amplitude and phase null conditions as indicated by said detector.

2,595,298
REFRIGERATED DOUGH MIXER
Alonzo W. Ruff, York, Pa., assignor to Read Standard Corporation, a corporation of Delaware
Application March 31, 1949, Serial No. 84,517
6 Claims. (Cl. 62—4)



1. In a dough mixer, a mixing receptacle, said receptacle being defined by a wall, means for cooling said wall comprising a refrigerant chamber in direct heat transfer relation to said wall, said chamber forming a part of the liquid line of a flooded expansion refrigerating system, means for maintaining refrigerant in said chamber at a pressure above that at which it would boil, and thermal control means responsive to a predetermined refrigerant temperature for effecting operation of said refrigerating system.

2,595,299
DISK SLIDE RULE
Emory S. Russell, Kenmore, N. Y.
Application December 19, 1947, Serial No. 792,714
5 Claims. (Cl. 235—84)



4. A disk slide rule, comprising a rear sheet member, a circular spacer of relatively small diameter arranged against a part of the forward face of said rear sheet member, a second sheet member of larger diameter than said circular spacer arranged against the forward face of said circular spacer, a circular rotary sheet member of substantially the same thickness as said circular spacer and having a concentric circular opening forming a bearing surface journalled on the periphery of said circular spacer and interposed between the forward face of said rear sheet member and the rearward face of said second sheet member, a second circular spacer of relatively small diameter arranged against a part of said second sheet member, a third sheet member of larger area than said second circular spacer arranged against the forward face of said second circular spacer, a second circular rotary

sheet member of substantially the same thickness as said second circular spacer and having a concentric circular opening forming a bearing surface journalled on the periphery of said second circular spacer and interposed between the forward face of said second sheet member and the rearward face of said third sheet member, and means securing said rear sheet member, first circular spacer, second sheet member, second circular spacer and third sheet member in fixed relation to one another and with said circular spacers in eccentric relation to each other.

2,595,300

SOAP COMPOSITIONS AND SOAP FLAKES

Leopold Safrin and Frank W. Volz, Philadelphia, Pa., assignors to Wilson & Co., Inc., a corporation of Delaware

No Drawing. Application December 23, 1950, Serial No. 202,563
3 Claims. (Cl. 252—109)

1. A soap composition capable of giving maintained sudsing and detergency in hard water and comprising, on an anhydrous basis, 75 to 85% soap, 5 to 12% of a non-ionic detergent of the structural formula

$$RPhOCH_2CH_2O(CH_2CH_2O)_nCH_2CH_2OH$$

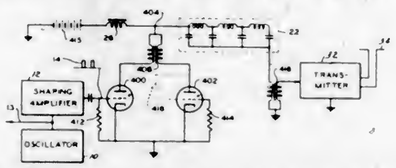
wherein R is an alkyl group having from 6 to 10 carbon atoms and n is an integer from 6 to 15, and 5 to 18% of anhydrous borax, said soap composition being readily soluble in soft and hard water and capable of giving maintained sudsing and detergency in hard water.

2,595,301

LINE PULSE MODULATOR

Irving Sager, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War

Application August 10, 1945, Serial No. 610,163
7 Claims. (Cl. 250—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A line pulse modulator including an artificial line, means for charging said line, a plurality of parallelly-connected, normally non-conductive gaseous discharge paths shunting said artificial line, and inductive means interconnecting said plurality of paths, one of said paths being receptive of a series of pulses for rendering said plurality of paths conductive.

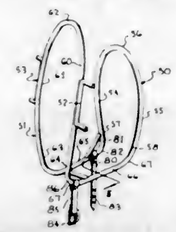
2,595,302

ANIMAL RESTRAINING DEVICE

John F. Sanders, Jonesboro, N. C.

Application July 7, 1950, Serial No. 172,551
4 Claims. (Cl. 119—96)

1. A restraining device to prevent an animal from turning its head comprising a forward substantially rigid relatively short inverted U-shaped yoke engaging over the neck of the animal adjacent to the rear side of the animal's head, said forward yoke being arranged at an inclination to the vertical and having the bottom ends of its sides terminating above the lower side of the neck of the animal, a rear substantially rigid relatively long inverted U-shaped yoke engaging over the top of the neck of the animal and spaced longitudinally rearwardly of the forward yoke, said rear yoke being arranged at an inclination to the vertical and extending parallel to said forward yoke, the bottom ends of the sides of the rear yoke terminating adjacent to the bottom of the neck of the animal, a pair of



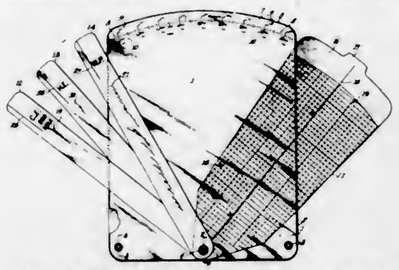
longitudinally extending side rails disposed adjacent to the bottom of the neck of the animal and extending between the forward and rear yokes and secured to the bottoms of the sides of the forward and rear yokes, the junctions of the side rails and yokes forming forward and rear bottom rounded corners, and detachable fastening means connected with said side rails and engaging beneath the bottom of the neck of the animal for detachably securing the device to the animal.

2,595,303

ARTILLERY FIRE CONTROL CHART

Ephriam L. Sawyer, Arlington, Va.

Application September 30, 1949, Serial No. 118,743
4 Claims. (Cl. 235—61.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An artillery fire control chart for plotting the fire of artillery munitions having predetermined firing characteristics; said munitions including an artillery weapon, shells adapted to be fired from said weapon and propellant powder rings adapted to serve as charges in firing said weapon; said chart having a plurality of pivotally connected elements comprising, a plotting sheet having at least one of its sides adapted to be readily marked with a pencil, an opaque sensing fan movably mounted beneath said plotting sheet provided with a block of artillery squares for indicating vertical and horizontal distances between spaced apart points on said sheet and a plurality of elongated, transparent strips each of said strips having a plurality of shell impact curves whereby, when one of said shells is to be fired in accordance with given firing data, the location of the shell impact on the field of fire of said weapon may be plotted on said chart, each of said elements being pivotally connected together through a perforation in the lower portion of the element indicating the location of said weapon in its field of fire; said plotting sheet having an arcuate shaped upper edge portion partially encircling its perforation, and provided with an arcuate azimuth scale, said scale having one hundred mil and ten mil graduation marks to aid in determining the azimuth of the location of a firing point in the field of fire of the said weapon represented by a point on said sheet. Said impact curves of said strips each being formed, located, calibrated and provided with ballistic data in a manner adapted to indicate on said chart, the range and azimuth of said firing point and the number of propellant powder rings which are to be used in firing said shell at said firing point, each of said strips also having at its upper end portion, a straight shift indicator line representing the line of sight of said weapon.

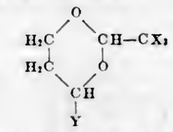
2,595,304

TRIHALOMETHYL DERIVATIVES OF 1,3-DIOXANE

Elmer F. Schroeder, Chicago, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application September 27, 1950, Serial No. 187,128
3 Claims. (Cl. 260—338)

1. A trihalomethyl-substituted 1,3-dioxane derivative having the formula



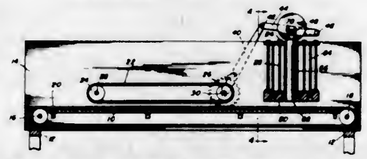
wherein X is halogen and Y is selected from hydrogen and lower alkyl radicals.

2,595,305

ROLLING, STAMPING, AND CUTTING MACHINE FOR DOUGH

William C. Scott, Coeur d'Alene, Idaho, assignor, by direct and mesne assignments, to Pelton's Spudnuts, Incorporated, Salt Lake City, Utah, a corporation of Utah

Application June 13, 1947, Serial No. 754,518
2 Claims. (Cl. 107—26)



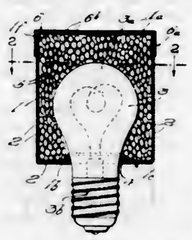
1. In a cutting machine for sheets of dough, means for supporting a sheet of dough; a cutter head reciprocable toward and away from said dough supporting means, said cutter head having a plurality of sets of concentric cutters carried thereby; ejector means carried by and reciprocable relative to said head, said ejector means including an annular ejector reciprocable between the concentric cutters of each set, for discharging the severed portions of dough therefrom; an ejector plate surrounding the sets of cutters for removing the sheet of dough from around the cutters, said plate being mounted for limited reciprocation relative to said head; guide means slidably received within the inner cutter of each set; and means independently supporting said guide means above said cutter head, so said guide means depends into the respective cutters.

2,595,306

REGENERABLE DESICCATOR

Ellsworth F. Seaman, Washington, D. C.

Application September 16, 1947, Serial No. 774,250
11 Claims. (Cl. 183—4.5)



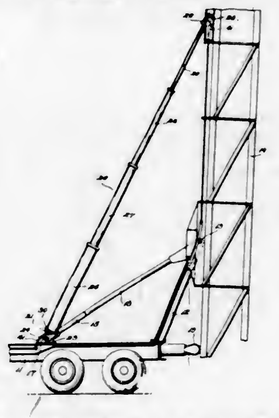
1. An adsorbing unit comprising a foraminated container of cylindrical construction with a foraminated cover closing one end thereof and a centrally apertured wall closing the other end thereof, an incandescent lamp disposed within said container having the neck thereof extending through the centrally apertured wall of said container and having the envelope of the bulbular portion thereof spaced from the interior walls of said foraminated container and the screw plug portion thereof projecting exteriorly of said container, and a filling of granular desiccant material loosely packed between the envelope of the bulbular portion of said incandescent lamp and the interior walls of said foraminated container and directly contacting the curved walls of the envelope of the bulbular portion of the lamp.

2,595,307

PORTABLE WELL SERVICING RIG

John P. Selberg, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Company, Torrance, Calif., a corporation of Ohio

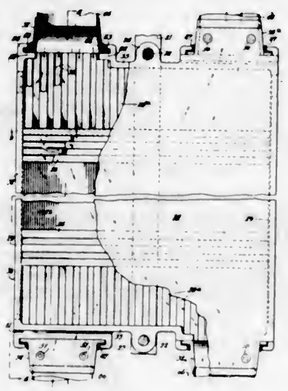
Application October 9, 1946, Serial No. 702,317
5 Claims. (Cl. 189—11)



1. In a portable derrick rig including a mobile base having a mast pivotally carried thereby, a hydraulically operated extensible ram for raising said mast to swing past a vertical position

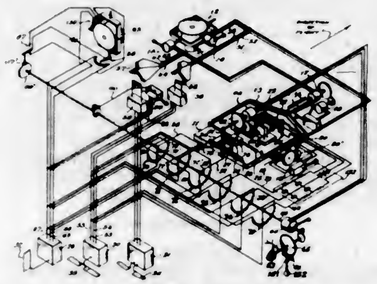
and for lowering the mast to a non-vertical position, said ram being connected between said base and said mast and comprising a plurality of telescoping sections including a top section, a bottom section, and at least one intermediate section therebetween, each of said top and bottom sections being provided with means for entry and discharge of hydraulic fluid, the top section comprising a hollow cylinder which is spaced from an intermediate section telescoping therewith by relatively spaced flange means carried on the respective sections and defining a closed chamber between said top section and said intermediate section, said cylinder having a pressure reaction surface at its lower end and an opening above its lower end communicating with said chamber, said cylinder having a restricted orifice at its upper end whereby fluid temporarily trapped in said chamber and in said hollow cylinder is effective to snub the extension of said top section relative to said intermediate section, and means in one of the sections of said ram other than said top section to snub the retraction of all of said sections.

2,595,308
GAS-TO-GAS HEAT EXCHANGER
Clyde S. Simpelaar, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application March 3, 1948, Serial No. 12,865
10 Claims. (Cl. 257—245)



1. In a gas to gas heat exchanger, the combination of border frame members having inlet and outlet openings, inlet and outlet gas connections secured to said border frame members at said inlet and outlet openings, separation sheets overlapping the side edges of the border frame members and providing narrow spaces, corrugated and perforated plenum sections in said spaces extending longitudinally from the ends of the border frame members, other corrugated and perforated plenum sections in said spaces extending from said longitudinal plenum sections, and crosswise of the spaces, and nested together slotted fin elements in said spaces extending between the horizontal plenum sections, all of the contacting parts being bonded together, the size and number of perforations in the respective plenum sections being such that a desired distribution of gas flow is achieved between the respective openings and the finned space between the horizontal plenum sections.

2,595,309
FLIGHT CONTROL APPARATUS FOR AIRCRAFT
John M. Slater, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 26, 1946, Serial No. 679,376
16 Claims. (Cl. 244—77)



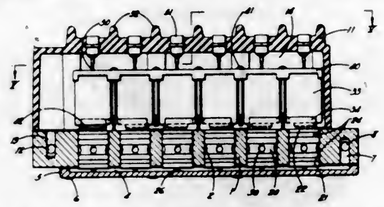
16. In aircraft flight control apparatus, the combination with an aircraft having a control surface for controlling craft movements in yaw, operating means for said control surface, signal-responsive means for controlling said operating means, a stabilized linear accelerometer disposed to respond to linear horizontal accelerations occurring transversely of said craft, signal-supplying pick-off means associated with said accelerometer and connected with said signal-responsive means, and means for compensating the signal output of said pick-off means for the value of the horizontal acceleration at desired rates of turn whereby said accelerometer will operate said control surface to correct for deviation in horizontal accelerations from that corresponding to a desired rate of turn.

2,595,310
VINYL RESINS PLASTICIZED WITH TRICRESYL PHOSPHATE AND STABILIZED WITH BARIUM RICINOLEATE
Malcolm Kent Smith, Elizabeth, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1950, Serial No. 172,784
6 Claims. (Cl. 260—23)

1. A composition of matter comprising a polyvinyl chloride resin containing more than about 85% by weight of polyvinyl chloride, tricresyl phosphate as a plasticizing component, and barium ricinoleate as a stabilizing component.

2,595,311
AUTOMATIC MULTIPLE SAMPLING VALVE
John P. Strange, Wilkinsburg, and William P. Yant, Murraysville, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 5, 1947, Serial No. 752,780
7 Claims. (Cl. 137—144)

1. A multiple sampling valve, comprising a block provided with a plurality of openings extending therethrough, sample gas inlets communicating one with each of said openings, a sample gas outlet and a sample gas exhaust port; a base attached to a face of the block and forming therewith a sample gas manifold communicating with said outlet and with each of said openings at one end thereof, a hood attached to another face of the block and forming therewith a manifold communicating with said exhaust gas port and with each of the other ends of said openings, three-way valve structures positioned one in each of said openings and formed to place the sample



gas inlet thereof in communication with one or the other of said manifolds, and a plurality of solenoids in said hood connected one to each of said three-way valve structures for actuating it, whereby exhaust gas flows through the hood in heat exchange relation with said solenoids.

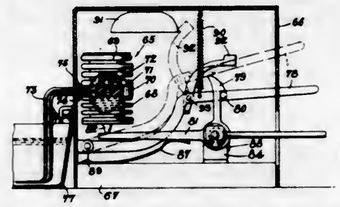
2,595,312
BUCKET ELEVATOR AND FEED MEANS THEREFOR
Henry H. Talboys, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 2, 1949, Serial No. 74,193
6 Claims. (Cl. 198—98)

1. In a feed and elevating assembly, a pan and means for rotating it about a generally upright axis, a conveyor adapted to deliver material to the interior of the pan, a turntable assembly mounted for rotational adjustment generally coaxially with the pan, a frame positioned on said turntable assembly, an endless bucket conveyor on said frame and means for driving it, said bucket conveyor having buckets extending into the pan in the course of their movement, and a laterally extending discharge conveyor adjustable in unison with said turntable assembly and adapted to receive material from said bucket conveyor.

2,595,313
TIMER
Charles Roger Turner, Philadelphia, Pa.
Application March 6, 1944, Serial No. 525,167
12 Claims. (Cl. 161—23)

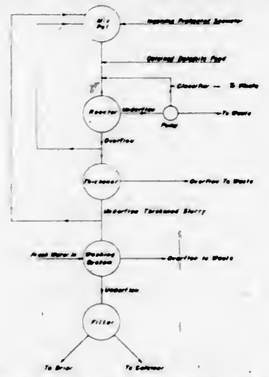
2. In combination in a timing device of the character described, a pair of liquid chambers

having a relatively unrestricted one-way passage therebetween and another passage of quite restricted cross-sectional flow area so that liquid of given viscosity characteristics will require a predetermined time interval for a quantity of the liquid under any given temperature conditions to flow through the restricted passage, means including a lever structure operative to drive the liquid from one chamber into the other chamber through said one-way passage, means associated with said other chamber to drive the liquid therefrom through said restricted passage into the one chamber, means for holding said lever out of the operative association with the



chambers during a timing interval, means for normally biasing the lever into the operative association with the said chambers whereby to drive liquid from said one chamber to the other chamber and constructed and arranged to be released as an incident to passage of said given quantity of liquid from said other chamber to said one chamber through said restricted passage, and signal means including a sounding member mounted in a fixed position and a clapper member carried by and movable with said lever structure and adapted to be activated upon movement of the lever structure to the liquid forcing relation to said chambers to strike said sounding member.

2,595,314
PROCESS FOR PRODUCING MAGNESIUM HYDROXIDE
Arthur W. Vettel and Robert D. Israel, Watsonville, Calif., assignors to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
Application October 19, 1948, Serial No. 55,352
11 Claims. (Cl. 23—201)



1. In a process for producing magnesium hydroxide which comprises the steps of introducing dilute magnesium salt-containing brine to a reaction system, adding calcined dolomite of particle

size not less than that retained on 200 mesh screen to said dilute brine, agitating the mixture in a reaction zone, withdrawing from said agitated mixture as underflow a sludge enriched in impurities, withdrawing from said mixture as overflow reacted brine containing a suspension of magnesium hydroxide crystals, and flowing said reacted brine to a thickening zone, the improvement which comprises the steps of recycling to the reaction system a portion of said reacted brine in amount of from about one-half to about two times the volume of unreacted brine being introduced to the reaction system, and adding additional magnesium hydroxide crystals to the reaction system in amount sufficient to provide in the reaction zone a total magnesium hydroxide crystal content in proportion of from about 3 to about 15 times the weight of magnesium hydroxide being produced.

2,595,315

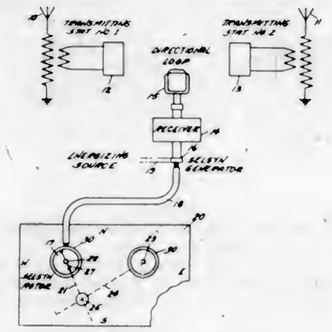
DIRECTIONAL ANTENNA CONTROLLED CRAFT POSITION PLOTTING DEVICE

Vernon I. Weihe, Arlington, Va.

Continuation of application Serial No. 451,654, July 20, 1942. This application May 16, 1946, Serial No. 670,087

12 Claims. (Cl. 33—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A navigation plotting device comprising, a transparent protractor supporting base provided with parallel line markings on the central area and with an azimuth scale around the rim, a self-synchronous receiver unit adapted to be removably and coaxially supported on said base, said receiver unit embodying a stator winding, a rotor free to orient itself with respect to a magnetic flux field to be set up by the stator winding and an indicating pointer on the rotor to indicate the rotor position relative to the azimuth scale on said base, a housing for said receiver unit, positioning means on said housing coupling with said base to assure and to maintain proper azimuthal alignment of said housing and base, a movable peripheral bracket fitting into a concentric annular slot disposed peripherally around the rim of said base, the bracket having secured thereto an inwardly directed pointer for alignment with the indicating pointer, and a self-winding tape measure fixed to said bracket with one edge of the tape measure radially aligned with the pointer axis and with the center of said base, so that said tape measure edge will constitute a radius and bearing line through the center of said base.

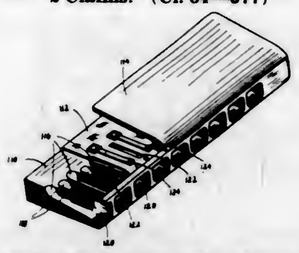
2,595,316

REED OPERATED MUSICAL INSTRUMENT

Charles E. Wetzler, Long Island City, N. Y.

Application July 13, 1948, Serial No. 38,533

2 Claims. (Cl. 84—377)



1. A reed operated musical instrument, comprising a body having pairs of coordinated blow and draw chambers open at its front, reeds mounted each in a slot to swing therein and to cooperate with one of said chambers, the reed associated with a blow chamber mounted with its free end toward the rear of the body and the reed associated with a draw chamber mounted with its free end toward the front of the body, the blow chamber of each pair being longer than the draw chamber, said chambers tapering in cross section inwardly from the front edge so as to cause a variation of air velocity in the particular chamber and a maximum velocity substantially at the swinging free end of the particular reed, the length and the variation of cross section of each individual chamber being aerodynamically matched with the characteristics of the particular reed served by the respective chamber.

2,595,317

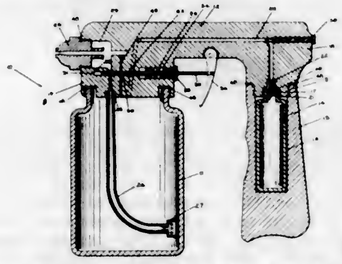
SPRAY GUN

Roby Byron White, Jr., United States Navy

Application May 6, 1946, Serial No. 667,549

1 Claim. (Cl. 299—95)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A sprayer comprising a head, a spray nozzle, liquid reservoir and compressed-gas reservoir mounted in said head, means to feed gas from said gas reservoir to said liquid reservoir, a tube communicating between the nether portion of said liquid reservoir and said nozzle through a passageway in said head, a channel communicating between said liquid reservoir and said nozzle, a bore in said head intersecting said passageway and said channel, and a spring-loaded, trigger-actuated element mounted slidably in said bore to seal said passageway and said channel, said element having a portion of reduced cross-section positioned to be aligned with said channel when said element is withdrawn partly from said bore and to be out of such alignment when said element is withdrawn further from said bore to permit passage of liquid through said tube, and a second channel communicating between said nozzle and the end of said bore proximate said nozzle.

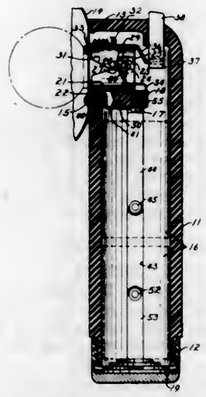
2,595,318

FLASH LAMP EJECTOR SOCKET ASSEMBLY

Leonard A. Wilkinson, Ann Arbor, Mich., assignor to Argus Cameras, Inc., Ann Arbor, Mich., a corporation of Michigan

Application July 23, 1948, Serial No. 40,318

10 Claims. (Cl. 173—328)



1. In an ejector socket assembly, two socket shell members pivotally connected for relative movement about an axis transversely of said socket, one of said shell members having recesses forwardly open to receive the usual bayonet pins of a small flash lamp bulb and the other having forwardly disposed inclined cam faces adjacent the recesses and adapted to be simultaneously engaged by the pins of a bayonet base bulb thrust into the socket to relatively pivot said shell members and open the normally closed socket and permit entry of the pins into said recesses, a spring energized by said relative pivotal movement of said shell members for automatically reclosing the socket when the pins are in said recesses, center contact resilient means engaged and energized by said axial thrust of the bulb into said socket, and manual operable means for positively relatively pivoting said shell members to permit said energized resilient means to eject the bulb from said socket.

2,595,319

APPARATUS AND MACHINE FOR REDUCING TUBE ENDS

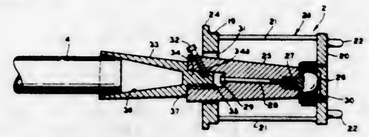
Henry Woldman, Roxbury, and Edward D. McDonough, Medford, Mass.

Application April 7, 1945, Serial No. 587,196

6 Claims. (Cl. 78—14)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a machine for reducing tube ends, a forming tool comprising an elongated forming member having a longitudinally extending conical forming chamber formed in one end thereof, a driving member rotatable about a fixed axis, a universal joint coupling the end of said forming member remote from said forming chamber to said driving member at a point on said driving member displaced from said axis of rotation, said forming member being free to move angularly with respect to said driving member, and means associated with said forming member



limiting said angular movement to a limited conical region having its apex at said universal joint, said last-mentioned means restricting said forming chamber to positions adjacent said fixed axis.

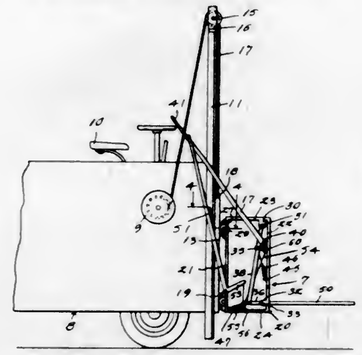
2,595,320

LOADING AND UNLOADING UNIT FOR LIFT TRUCKS

Grover E. Adams, Vermont, Ill.

Application February 17, 1950, Serial No. 144,736

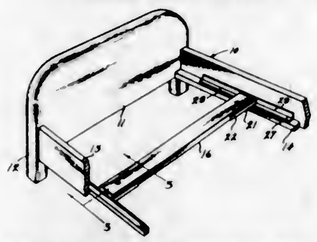
5 Claims. (Cl. 214—113)



1. A loading and unloading attachment for a lift truck comprising, in combination with a self-propelled lift truck having a vertically movable driven elevator means at one end thereof, a loading and unloading attachment comprising a frame connected to and supported by said elevator means and extending transversely of the lift truck, a shaft journalled in said frame adjacent its bottom, a plurality of load supporting elements fixed to said shaft and projecting therefrom outwardly of the frame and in a direction away from the lift truck, when said load supporting elements are in a load supporting position, a plurality of first lever members fixed to said shaft and projecting laterally therefrom in a direction away from said load supporting elements, a second shaft journalled in the frame above said first shaft, a plurality of second lever members fixed to said second shaft and extending therefrom at an angle to the first lever members, a plurality of rigid connecting links pivotally connected at their ends to the free ends of the first and second lever members, said links and the second lever members being disposed in alignment when the load supporting elements are in raised, load supporting positions for maintaining the load supporting elements in their load supporting positions, a first manually actuated means operable to initially engage the pivot of the second lever members and links for displacing said pivot inwardly of the frame and toward the lift truck whereby said load supporting ele-

ments are released to swing downwardly in response to the load supported thereby toward depending positions for releasing the load therefrom, a second manually actuated means connected to the pivot of the second lever members and links for displacing said pivot in the opposite direction or outwardly of the frame to return the links and levers to their initial positions and the load supporting elements to their raised, operative positions, and spring means anchored to the frame and connected to each of the link and lever pivots to resist the swinging movement of the load supporting members toward load releasing positions and to return said load supporting members to load supporting positions and the links and levers to their first mentioned positions.

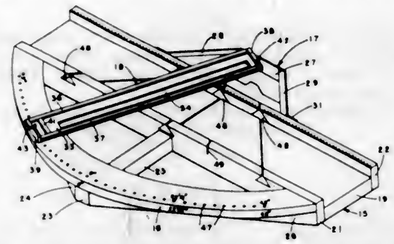
2,595,321
SPRING AND MATTRESS SUPPORT FOR BEDS AND THE LIKE
Ernest H. Anderson, Jamestown, N. Y.
Application January 8, 1948, Serial No. 1,100
1 Claim. (Cl. 5—238)



In a structure having connected end and side rails forming a generally rectangular frame and having slats for bridging the space between said side rails; supporting means for the ends of said slats, said supporting means comprising a shoe that includes an elongated bar formed by integral right angle flanges, one flange of said bar being engageable with one of said side rails, a channel integral with and extending at right angles to the length of said bar and being substantially in the plane of the other of said bar flanges, said channel being proportioned to receive and seat a slat end in such intimacy as to require a slat to extend in the direction of the length of said channel and at right angles to said bar, means carried by said channel operable to secure the seated slat end against lengthwise movement in said channel, said bar being of such greater length than the length of said channel as to normally prevent displacement of a slat from a right angle relationship with respect to one of said side rails when one flange of said bar engages said one side rail throughout its length.

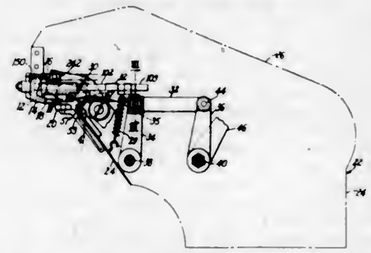
2,595,322
MITER GUIDE FOR POWER SAWS
Benjamin Blanton Avery, Tucson, Ariz.
Application November 20, 1950, Serial No. 196,669
1 Claim. (Cl. 143—6)

A portable miterbox comprising the combination of a generally channel-shaped work-supporting member including a horizontal base member and vertical side members, an arcuate support and positioning member having its ends in engagement with one side member of the channel near the ends thereof and having an upper face in the plane of the upper edges of the side members, bracing means to secure said arcuate support and positioning member to said one side member so as to leave a generally semi-circular open space therebetween, a pivot member secured to the other side member intermediate its ends and at the opposite side of the channel from the said arcuate member, said pivot member being at a point about which said arcuate mem-



ber is concentric, a saw-supporting guide engaging the upper face of said arcuate support and the upper edges of said side members having one end thereof pivoted by said pivot member and the other end resting on said arcuate member, and means for securing the said other end at a selected point on said arcuate member.

2,595,323
LASTING MACHINE
Charles Martin Bagshaw and Harold Lane, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 5, 1949, Serial No. 125,753
In Great Britain November 17, 1948
21 Claims. (Cl. 12—9)

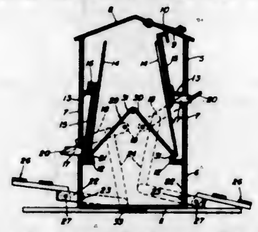


1. A lasting machine having, in combination, means for engaging the bottom of a shoe adjacent to the marginal edge thereof, a gripper for seizing the lasting margin of the stock to be lasted and for pulling said lasting margin inwardly over the bottom of the shoe and in contact with said shoe-bottom-engaging means, thereby to tension the stock in a direction normal to the bottom of the shoe and to draw its lasting margin inwardly over the shoe bottom, and means for causing said gripper to move initially in a path that is inclined first upwardly, away from the bottom of the shoe, and thereafter downwardly toward the shoe bottom, to augment the tensioning action of the gripper and to position the lasting margin of the tensioned stock close to the bottom of the shoe.

2,595,324
POULTRY FEEDER
Harry E. Baker, Macomb, Ill.
Application August 8, 1950, Serial No. 178,328
5 Claims. (Cl. 119—55)

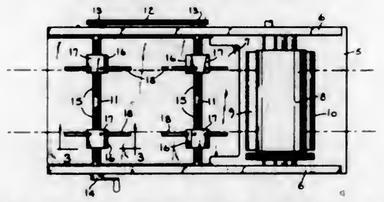
1. In a poultry feeder, a housing including side walls, end walls, a bottom and a top, said

housing having a feeding opening above the bottom and in one side wall thereof, said housing being provided along the bottom of said opening with an inwardly projecting horizontal flange and along the top of said opening with an inwardly projecting angular flange having an upwardly extending inner portion, guide rods arranged within and fixed to the end walls of said housing and extending upwardly from the first named



flange above the angular flange past and in inwardly spaced relation to the latter, a sliding screen door for said opening movable between said angular flange and said guide rods between a lowered closed position resting on said horizontal flange and a raised open position, said door having an angular flange at the top adapted to hook over the angular flange of the housing when the door is lowered to closed position.

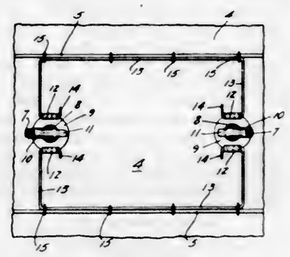
2,595,325
PAPER WEB GUIDE MECHANISM
John R. Baumgartner, Milwaukee, Wis.
Application December 18, 1950, Serial No. 201,357
2 Claims. (Cl. 271—2.6)



1. In paper handling machinery having a support over which a web of paper is fed, adjustable web guide mechanism comprising a feed screw having spaced oppositely disposed threads and mounted for rotary adjustment above said support, web guides mounted on the threaded portions of said screw, each guide comprising a nut in threaded engagement with said screw and provided with a guide portion, a guide member slidably guided by the guide portion of said nut, and spring means interposed between said guide member and nut for yieldingly urging said guide member into contact with said support, the contacting face of said guide member conforming to the surface contour of said support.

2,595,326
MATTRESS HANDLE ASSEMBLY
Michael Bechik, St. Paul, Minn., assignor to Bechik Products, Inc., St. Paul, Minn., a corporation of Minnesota
Application October 20, 1949, Serial No. 122,442
3 Claims. (Cl. 5—345)

1. In a device of the class described, an elongated handle member, means including a pair of washers adapted to be secured in spaced relation along the inside of a mattress wall for securing said handle member in a generally horizontal position along the outside of said wall, opposed hook lugs carried by said washers, and a pair of resilient U-shaped link members adapted to be

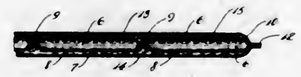


pivotally secured one each to the upper and lower border wires of said mattress in opposed relation, the free ends of said link members having interlocking pivotal engagement one each with one of said hook lugs.

2,595,327
METHOD OF PREPARING $\Delta^{5,7}$-PREGNADIENES
Seymour Bernstein, Pearl River, N. Y., Dominic J. Giancola, Jersey City, N. J., and Karl J. Sax, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 23, 1951, Serial No. 212,496
6 Claims. (Cl. 260—397.4)

1. A method of preparing compounds of the group consisting of lower alkanoic acid and benzoic acid esters of $\Delta^{5,7}$-pregnadiene-3β-ol-20-one which comprises heating at a temperature above 250° C. the maleic anhydride adduct of said $\Delta^{5,7}$-pregnadiene-3β-ol-20-one ester and recovering said compound therefrom.

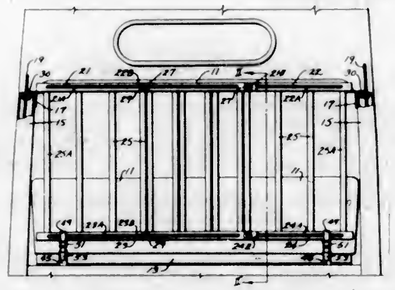
2,595,328
HEAT-TRANSFER CONTAINER
Claude T. Bowen, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 29, 1949, Serial No. 90,507
8 Claims. (Cl. 62—1)



1. A therapeutic pad comprising internal compartments containing a heat-storing substance permanently sealed therein for exchange of heat with the exterior of said pad through a heat-conducting material also permanently sealed in said pad about said compartments, said pad being of generally uniform thickness having coextensive imperforate walls of flexible impervious material in spaced-apart approximately parallel relation and joined one to the other marginally in sealed relation permanently throughout, and disposed between said walls in spaced relation thereto and containing said heat-storing substance a group of said compartments hingedly connected one to another and each of imperforate impervious wall material marginally sealed perma-

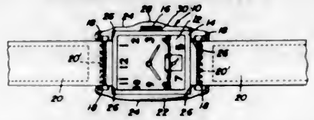
nently throughout the compartment, said group of compartments occupying an area substantially coextensive with said walls and being sealed marginally to said walls permanently throughout the extent of the latter providing confined space outside said compartments which space contains said heat-conducting material, said heat-transferring material being flowable at all temperatures between that of said heat-storing material and an animate body during therapeutic treatment of the body by the pad said pad being flexible as a whole by virtue of the hinged connections and the flexibility of said walls and the flowable nature of said heat-conducting material as said pad is conformed to the contour of the body into heat-transferring relation thereto.

2,595,329
VEHICLE SEAT GUARD
James L. Brooks, Blytheville, Ark.
Application March 26, 1949, Serial No. 83,623
6 Claims. (Cl. 5—94)



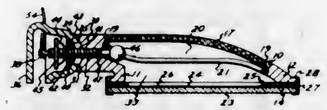
1. A guard attachment for use in a vehicle having seat means and wall means at the outer ends of the seat means, which attachment comprises a pair of panels, each including a top rail, a bottom rail, and a plurality of vertically disposed, horizontally spaced bars rigidly secured to and extending between said top and bottom rails; a downwardly facing bracket member secured to each said panel to lie adjacent and laterally project beyond one end of each said top rail; said panels being disposed with the opposite ends of said rails in lapping relation and slidably adjustable to establish the use length of said guard attachment; each said rail including an elongated slot extending substantially throughout the length of the rail and a minor end portion extending beyond one end of said slot, and having an aperture formed therethrough segregated from said slot, each said aperture being in register with a portion of the slot of the adjacent rail when said rails are in said lapping relation; clamp means concurrently engaging said registered apertures and slot portions to maintain said use length; an adjustable strap fastened to and depending below said bottom rail, a swivel attached to said strap, hook means rotatably secured to said swivel and rearwardly faced for engaging said seat means; said bracket members being removably engageable with said wall means and said hook means removably engaging said seat means when said guard is in use position to detachably connect said guard to said vehicle, said hook means including a tab forwardly projecting therefrom to provide means for effecting release of said hook means from engagement with said seat means.

2,595,330
WRIST WATCH PROTECTOR
Frederick J. Brown, Tampa, Fla.
Application April 26, 1948, Serial No. 23,229
4 Claims. (Cl. 58—105)



1. A wrist watch protector comprising a body having a lower wall and upstanding side walls on said lower wall contoured complementary to the sides of a watch, said side walls having extensions thereon adapted to overlie the external surface of a watch strap mounting lug, said lower wall having a transverse extension thereon secured to said side wall extensions and adapted to underlie the pintle-receiving end of a watch strap to support and strengthen said side wall extensions, said extension on said lower wall having a transversely extending concave recess therein adapted to snugly contact the undersurface of the pintle receiving end of a watch strap to restrict the entrance of moisture between the lower wall and the watch.

2,595,331
COMBINATION VISION MIRROR AND SIGNALING DEVICE
Paul F. Calihan, Red Wing, and Sheldon A. Mortenson, Minneapolis, Minn.
Application January 30, 1950, Serial No. 141,272
6 Claims. (Cl. 177—329)

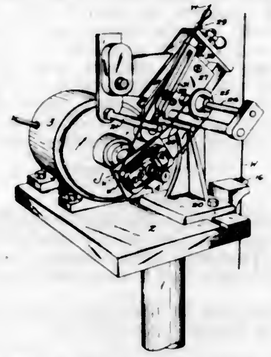


1. A combination vision mirror and signaling device comprising an opaque hollow member having therein a light bulb to be energized, there being openings through spaced, opposite sides of said hollow member for passage of light from said bulb outwardly of the hollow member, and a cover over at least a part of the opening through one of said spaced, opposite sides of said hollow member including a sheet of material pervious to light and a coating of material such as silvering upon an interior surface of said sheet to at one and the same time permit passage of light from said bulb outwardly of said cover and reflect light to extent rendering said cover capable of serving as a vision mirror.

2,595,332
WINDING MACHINE
Penrose E. Chapman and Penrose Embree Chapman, Jr., St. Louis, Mo.; Emmeline T. Chapman administratrix of said Penrose Embree Chapman, Jr., deceased
Application December 29, 1945, Serial No. 638,141
9 Claims. (Cl. 242—9)

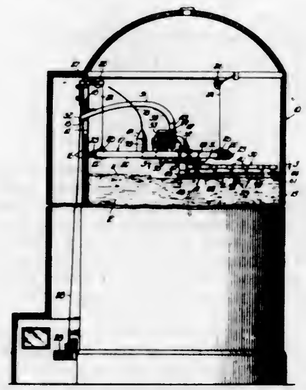
1. In a machine for winding a polygonal coil of wire, a rotating jig about which the wire may be wound, a relaying sheave member movable lengthwise of the axis of the jig and from which the material may extend to said jig, a wire-engaging damping member between said relaying sheave member and jig and to one side of a plane between successive wire-engaging faces of

said relaying sheave member and jig and over which the wire must pass from the sheave mem-



ber to the jig, a carrier for at least one of said members, and means for adjusting the carrier away from and towards the jig axis.

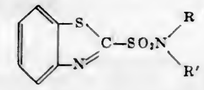
2,595,333
SILO UNLOADER
George D. Clapp, Oshkosh, Wis., assignor to Leach Company, Oshkosh, Wis., a corporation of Wisconsin
Application November 26, 1946, Serial No. 712,322
7 Claims. (Cl. 214—17)



1. In a silo unloader for installation in a silo above the surface of the silage, a vertically movable frame which is adapted to be centered in the silo, a radially disposed rotor arm which is rotatably connected at its inner end to the frame at the center of the latter, means on the arm for cutting the silage loose from the upper surface of the silage and moving the loosened silage in toward the center of the frame upon rotation of the arm, a rotary agitator for further loosening the loosened silage upon its arrival adjacent the center of the frame, a pick-up tube at the center of the frame having a lower open end into which said further loosened silage is adapted to be sucked by a current of air moving upwardly within the tube, a curved horizontally extending collector blade on the arm adjacent the inner end of the latter, which blade partially encircles the rotary agitator and extends first rearwardly and inwardly relative to the direction of movement of the arm and then forwardly, with the forwardly turned inner end of the blade so positioned with respect to the end of the pick-up tube as to direct the silage beneath the lower open end of the tube, said rotary agitator being nested within the curved collector blade, and said collector blade cooperating with the agitator to direct the silage from the agitator along the face of the blade to a point beneath the end of the tube, and means on the frame for rotating the arm, rotating the agitator and creating an upwardly moving current of air in the tube.

2,595,334
BENZOTHIAZOLESULFONAMIDES AND METHOD OF PREPARING THE SAME
James W. Clapp, Darien, and Richard O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 8, 1950, Serial No. 154,884
12 Claims. (Cl. 260—306.6)

1. Compounds of the group consisting of those having the general formula:



in which R and R′ are members of the group consisting of hydrogen, lower alkyl and 2-thiazolyl radicals.

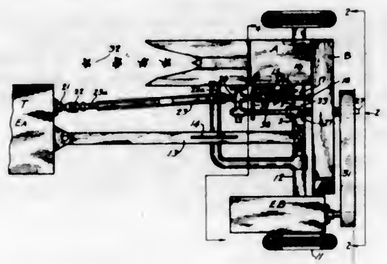
2,595,335
MOLDING POWDERS FROM UREA AND GASEOUS FORMALDEHYDE
Ralph T. K. Cornwell, Rosemont, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 26, 1949, Serial No. 78,675
7 Claims. (Cl. 260—17.3)

1. In the manufacture of thermosetting compositions, the improved process of preparing dry, fusible, heat-settable powders comprising a resin-forming condensate of formaldehyde and urea which comprises impregnating a pulp of filler material with an aqueous solution of urea, dehydrating the impregnated mass to a controlled moisture content of from 5 to 20% by weight, contacting the mass with gaseous formaldehyde to produce the resin-forming condensate in situ in the filler, drying the impregnated mass at a temperature of about 60°–70° C., said filler material comprising 30 to 60% by weight of the dried mass, and subdividing the dried mass to particle size to obtain a molding powder capable of being molded to an infusible condition under heat and pressure.

2,595,336
POWER TRANSMISSION MECHANISM FOR FARM IMPLEMENTS
Pete Corsentino, Longmont, Colo.
Application February 9, 1948, Serial No. 7,081
3 Claims. (Cl. 56—10)

1. Farming apparatus comprising; a farming implement, an engine driven tractor connected to the farming implement in a manner to move it over the ground, the tractor having a power take off from the tractor engine, a harvesting device carried by the farming implement, a shaft

rotatably carried by the farming implement, power transmission means operatively connecting the shaft and the harvesting device, power transmission means operatively connecting the power take off and the shaft, the harvesting device receiving all of its power and being driven at all times only by the tractor engine, an auxiliary internal combustion engine carried by the farming implement, a harvested material handling device carried by the farming implement, power transmission means operatively connecting the auxiliary engine and the harvested material de-



vice for normally operating it solely by the auxiliary engine, power transmission means for connecting the rotatable shaft to the harvested material device including overrunning clutch means adapted to automatically connect the shaft and the harvested material handling device and assist in driving the latter by the shaft only when the auxiliary engine tends to slow down due to overload on the harvested material treating device, both engines contributing power to drive the harvested material treating device during the overload.

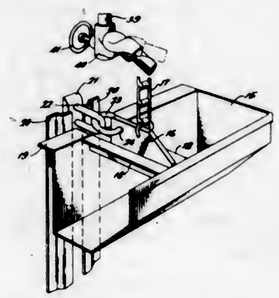
2,595,337

WATERING AND FEEDING DEVICE FOR STOCK CARS

James M. Coyner, Madison, Wis.

Application June 9, 1948, Serial No. 31,985

4 Claims. (Cl. 119—10)



1. In a vehicle for the transportation of livestock, a trough at one side of the vehicle, spaced bars extending vertically of the vehicle side wall and providing retainer flanges and a guide channel therebetween, a slide member engaging the outer sides of said retainer flanges, a link member secured to said slide member and providing therewith a closed loop with the legs thereof vertically aligned, a horizontal loop link interlocked with said first-mentioned link, a vertically-extending flange carried by said trough and provided with an aperture receiving said horizontal link, a flexible hoisting member secured to said vertical member on the trough, and a pulley support for said flexible member carried by said vehicle above said trough for supporting said trough generally in line with said guide bars and in contact with said guide bars, whereby upon sudden stopping and starting of said vehicle, said trough may bear frictionally against said side bars as the horizontal link moves relatively to said vertical link.

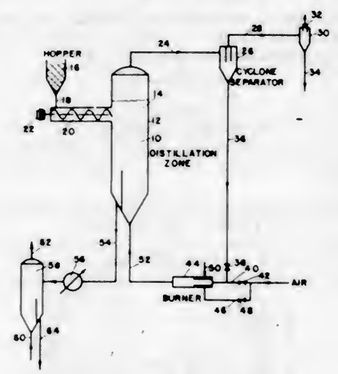
2,595,338

DISTILLATION OF CARBONACEOUS SOLIDS

George D. Creelman, Cleveland Heights, Ohio, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 15, 1948, Serial No. 27,232

4 Claims. (Cl. 202—14)



1. The method which comprises contacting carbonaceous solids in a distillation zone with sufficient hot distillation residue from previously distilled carbonaceous solids, to raise the temperature of said zone to the point where distillation of said carbonaceous solids is effected to produce volatile products and solid distillation residue still retaining volatile components, passing at least a portion of said distillation residue through a heating zone which is maintained at a temperature above that of the distillation zone, whereby more volatile matter is evolved and the temperature of the residue is raised, returning only the heated distillation residue to the distillation zone, burning a portion of the distillation residue outside of the distillation zone to yield a hot flue gas, and circulating said hot flue gas in heat exchange relation with the distillation residue passing through said heating zone.

2,595,339

COGELATION OF SILICA AND ALUMINA SOLS AT pH 3.5–6.5

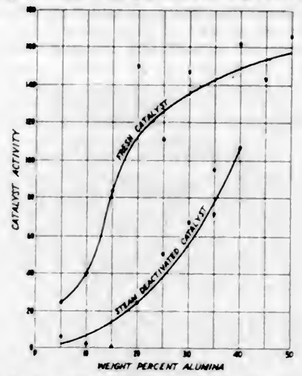
Marvin Den Herder, Chicago, Ill., and Llewellyn Heard, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 29, 1948, Serial No. 67,984

7 Claims. (Cl. 252—453)

1. The method of preparing an improved silica-alumina catalyst which comprises mixing an alumina hydrosol having a pH between 3.5 and 6.5 into a silica hydrosol having a pH between

3.5 and 6.5, allowing the mixture to set to a transparent, gibrant ultragel, washing said ultragel



substantially free of salts, and drying and calcining said ultragel.

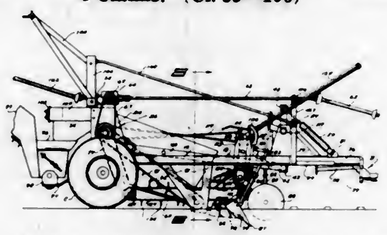
2,595,340

BEET HARVESTER

John A. Diethelm, Victoria, Minn.

Application December 23, 1948, Serial No. 66,894

3 Claims. (Cl. 55—106)



1. In an apparatus for harvesting beets from the row, the combination with a frame, a pair of spaced beet lifts supported on the frame for travel along opposite sides of the row and operative to lift the beets from the ground, and means rearwardly of the lifter to receive the beets, of a rotary reel member operatively supported on the frame and rotatable rearwardly at its underside between and over the lifters, power means for rotating the reel member, and the said reel member including a hub and a plurality of arms secured at inner ends thereto, the said arms each being made of a plurality of plies of narrow flexible strip material and diminishing in thickness outwardly.

2,595,341

PREPARATION OF ALPHA-GLYCOL SULFURIC ESTERS

Robert A. Dinerstein, Park Forest, Ill., and Richard E. Van Strien, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application September 7, 1949, Serial No. 114,464

8 Claims. (Cl. 260—458)

1. A process for the preparation of an alpha-glycol sulfuric ester, which process comprises treating an alpha-glycol ester of a fatty acid containing 1 to 4 carbon atoms, inclusive, per molecule with a sulfating reagent under sulfating reaction conditions.

2,595,342

METHOD AND APPARATUS FOR APPLYING OBLIQUE SPRAY

Lucian P. Dosmann, South Bend, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana

Application July 30, 1948, Serial No. 41,528

6 Claims. (Cl. 117—93)



3. In the coating of flexible sheets wherein a sheet is continuously fed edgewise through a spray zone and the direction of the spray is towards the sheet, in the direction of the travel thereof and at an acute angle thereto, the step of diverting the path of travel of the sheet from the plane thereof at a selected point in said spray zone, said sheet being diverted and conducted in a path transversely across the spray at substantially right angles thereto.

2,595,343

PRODUCTION OF POLYESTERS BY REACTING A DICARBOXYLIC ACID WITH A DIPHENOL

James Gordon Napier Drewitt, Spondon, near Derby, and James Lincoln, London, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application August 6, 1948, Serial No. 42,996. In Great Britain May 20, 1946

9 Claims. (Cl. 260—47)

1. Process for the production of polyesters, which consists in heating a free dicarboxylic acid whose two carboxylic acid groups are its sole reactive groups with a substantially equimolecular proportion of a reactant medium selected from the group consisting of a free diphenol, whose two phenolic groups are its sole reactive groups, together with acetic anhydride and the corresponding diphenol diacetate.

2,595,344

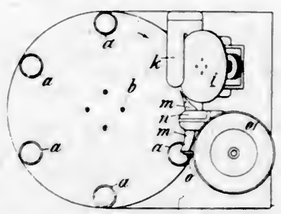
MACHINE FOR USE IN CUTTING AND FILLING CAKES AND THE LIKE

William Edward Egerton and Sydney Charlton, Hull, England

Application May 9, 1947, Serial No. 747,150

In Great Britain April 18, 1946

2 Claims. (Cl. 107—1)



1. A cake cutting and filling machine, comprising in combination a travelling platform, cups on said platform in which the cakes are placed, each cup being open at the top and having slots extending downwards from two diametrically opposed points on its upper edge at an angle with

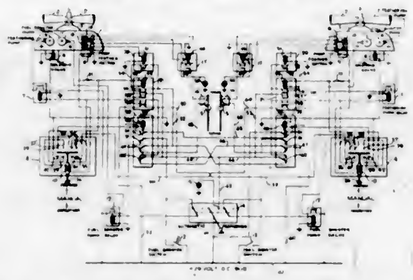
respect to the vertical, a fixed support alongside the platform, a revolving cutter disc mounted on the fixed support, the disc being at the same angle to the vertical as the slots in the cup and being adapted to enter the slots in each cup as the cup travels past the cutter, a fixed plate under which the cups travel, mounted in close proximity to the cutter and adapted to hold a cake in its cup during the cutting, a wedge-shaped member fixed behind the cutter so that it enters the cut in the cake as the platform travels and opens wide the said cut, a tube adjacent to the rear end of said wedge, and means delivering a measured quantity of filling material through said tube into the slit in the cake when the cake is in position to receive it.

2,595,345

PROPELLER FEATHERING CONTROL

Richard A. Engelhardt, Parkville, Wilfred L. Kershaw and Robert W. Schroeder, Middle River, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application June 24, 1947, Serial No. 756,768
33 Claims. (Cl. 170—135.29)



33. A safety feathering system for plural engine aircraft having feathering propellers and propeller feathering means for independently feathering different propellers, and comprising safety feathering control means and connections therefrom for actuating the feathering means for any of the different propellers and including engine torque sensing means operable by individual engines and connected to complete said operating connections from said safety feathering control means to the propeller feathering means of an engine failing to deliver torque and means in said connections for preventing operation of the propeller feathering means of more than one engine at a time.

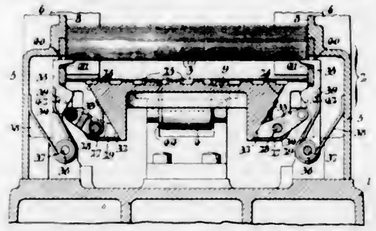
2,595,346

STACKING DEVICE FOR CARDS OR THE LIKE

Theodore A. Federwitz, Philadelphia, Pa., assignor, by mesne assignments, to Scriptomatic, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application September 4, 1948, Serial No. 47,834
8 Claims. (Cl. 271—87)

4. A stacking device comprising a receptacle for maintaining a pile of cards or the like in vertical alignment, a table movable up and down at the base of the receptacle, a feeding mechanism for successively advancing individual cards to a position on top of said table, a plurality of swinging cams pivoted on said table with means for restricting the outward pivotal movement of said cams, and a plurality of swinging fingers pivoted on said receptacle, each finger having a wedge shaped cam surface including a lower cam following section for coaction with one of said cams on the table to swing the finger outwardly during the up stroke of said table and an upper cam section to permit the inward swinging of



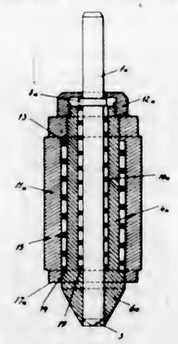
said finger subsequent to its outward swinging during the up stroke of said table and to swing said cam inwardly during the down stroke of said table while the stacked cards are supported by the fingers.

2,595,347

CENTER PUNCH

Paul Svend Hakon Flemming, Copenhagen, Denmark

Application August 5, 1949, Serial No. 108,730
In Denmark February 22, 1949
1 Claim. (Cl. 33—191)



A center punch comprising in combination a tubular guide, an interior shoulder in said guide, a punch having a pointed end and mounted for longitudinal sliding movement in said guide, means associated with said punch and projecting laterally therefrom within said guide, spring means interposed between said interior shoulder and said laterally projecting means for holding said punch with the pointed end thereof in a retracted position in the mouth of said guide and with the opposite end of said punch projecting from the opposite end of said guide, a tubular holder mounted for axially sliding movement on said guide, said holder being at one end provided with an interior shoulder engaging the circumference of said guide, and said guide being provided with a circumferential shoulder engaging the inner wall of said holder, spring means interposed between said lastnamed interior shoulder and said circumferential shoulder and adapted to retract said holder from the end of said guide surrounding the pointed end of said punch, and a nut screwed onto the end of said guide remote from the pointed end of said punch and formed with means constituting abutments for limiting retraction of said holder and said punch, respectively.

2,595,348

PROCESS OF PRODUCING BENZANTHRONE FREE FROM ANTHRAQUINONE IMPURITIES

Maurice H. Fleysher, Buffalo, and Frederic L. Sievenpiper, Alden, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application July 7, 1948, Serial No. 37,506
4 Claims. (Cl. 260—364)

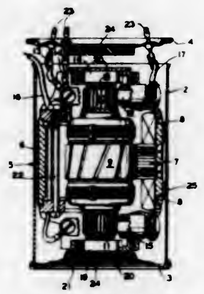
1. A single step process for producing benzanthrone from at least one material of the group consisting of anthraquinone and impurities in crude benzanthrone which impurities have the vatting properties of anthraquinone, said crude benzanthrone being the condensation product of anthraquinone and at least one material of the group consisting of glycerine and acrolein, formed in hot sulfuric acid containing a metallic reducing agent, which comprises maintaining at temperatures between about 122° and about 134° C. a solution of said starting reactant in aqueous sulfuric acid of 80% to 91% strength containing a conditioning agent of the group consisting of cupric sulfate, nitrobenzene sulfonate salts soluble in water, mononitrosophenol, and alkali metal nitrites, while providing together in said solution a compound which is a source of acrolein under the reaction conditions and a reducing agent of the group consisting of iron powder, copper powder, and mixtures thereof anthranol being substantially absent.

2,595,349

DYNAMOELECTRIC MACHINE

Kenneth H. Fox, Fair Haven, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application October 6, 1949, Serial No. 119,884
4 Claims. (Cl. 171—252)



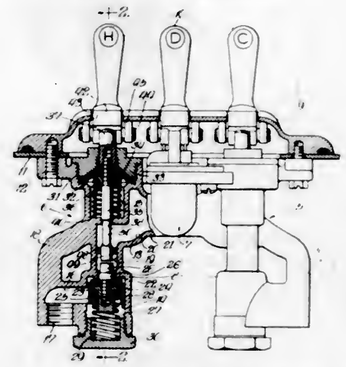
1. In combination a dynamoelectric machine, a casing adapted to telescope said dynamoelectric machine, resilient rings surrounding said dynamotor and adapted for compression between said dynamoelectric machine and said casing, end members for said casing, resilient pads secured to said end members and arranged to be compressed between said end members and said dynamoelectric machine, one of said end members having insulated sealed terminal members therein, means for connecting said dynamoelectric machine to said terminal means for electrical connection therewith, and means for hermetically sealing said end members to said casing.

2,595,350

FAUCET

George E. Franck, Riverside, and Joseph H. Zales, Chicago, Ill., assignors to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application February 21, 1949, Serial No. 77,488
4 Claims. (Cl. 251—132)



4. A faucet comprising in combination, a body having therein a passage for the flow of fluid therethrough, an annular valve seat surrounding the passage, an independent valve element cooperating with said seat to control the flow of fluid through the passage, a spring urging said valve element to seated position, operating mechanism for moving said valve element off said seat having a normal and an actuated position, means for returning said operating mechanism to normal position independently of said valve element, means forming an orifice located in said passage on the discharge side of said valve seat and spaced therefrom to form an elongated chamber therewith in which fluid may be trapped, a part movable with said operating mechanism and cooperating with said orifice to enlarge the passage therethrough when said operating mechanism is in actuated position and restricting the passage therethrough when in normal position, and means on said valve element restricting the end of said chamber opposite said orifice during the major portion of the closing movement of said valve element.

2,595,351

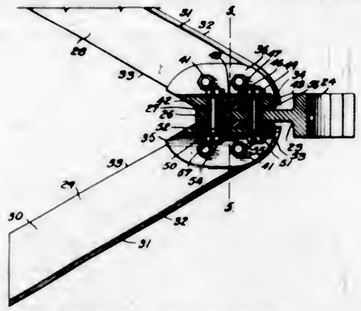
ADJUSTABLE WEED CUTTING ATTACHMENT

William T. Graham, Amarillo, Tex.

Application May 5, 1947, Serial No. 745,914
3 Claims. (Cl. 97—207)

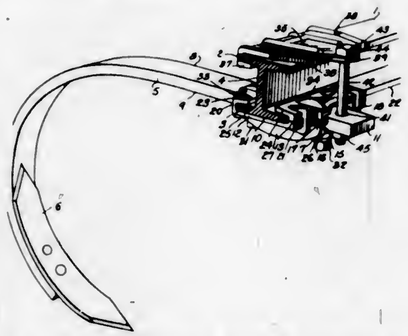
1. A weed cutting attachment for plows including a bracket having a plate attaching portion adapted for connection with a plow shank, a wing extending rearwardly from the plate attaching portion and having substantially flat side faces, said wing having spaced apart parallel rows of transverse openings with openings in one row related with openings of the other row for forming pairs of openings, blade carrying brackets at respective sides of said wing and having flat side faces, each of said blade carrying brackets being provided with a pair of openings arranged therein to register with any pair of openings in said wing and having a concavity located between the pair of openings in said blade carrying brackets, disk members having convex sides engaging in said concavities, said disk members being thicker than

the depth of the concavities to space the surrounding faces of the blade carrying brackets from the faces of said wing to allow for angular adjustment of the blade carrying brackets on said



wing, and fastening devices extending through said registering openings of the blade carrying brackets and wing to retain the blade carrying brackets in adjusted position.

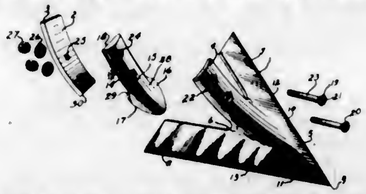
2,595,352
BEAM CLAMP
William T. Graham, Amarillo, Tex.
Application December 5, 1947, Serial No. 789,952
12 Claims. (Cl. 248—228)



1. In an agricultural machine having an I-beam shaped support and a ground working tool carried upon a shank, clamp means for securing the shank of the ground working tool to said support including independent clamping members respectively engaging upper and lower flanges of said I-beam, one of said clamping members having a passageway receiving a portion of the shank and the other of said clamping members being separably connected to the shank.

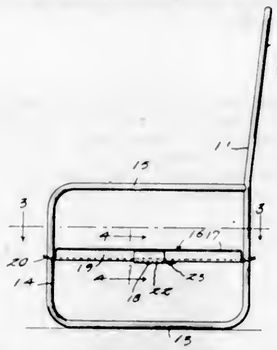
2,595,353
FILLER PAD FOR GROUND WORKING TOOLS
William T. Graham, Amarillo, Tex.
Application November 12, 1948, Serial No. 59,696
2 Claims. (Cl. 97—204)

1. A filler pad adapted for insertion between a downwardly and forwardly curving plow shank and a sweep having a similar and transversely curving shank portion projecting from a similarly curving and forwardly pointed body portion having laterally diverging wings, said filler pad having a front face portion conforming to said curvatures of said shank and body portions of the sweep and having wing-like supporting portions projecting laterally from the body portion of the filler plate and having faces conforming to the junctures of the body portion of the sweep and said diverging wings, said shank portion of the pad having a rear face conform-



ing to the shape of the plow shank, and bolts adapted to extend through openings in said shank portions of the sweep and filler pad and through the plow shank for retaining the filler pad in supporting contact with the underside of the sweep and for attaching the sweep and filler pad to the plow shank.

2,595,354
ADJUSTABLE CHAIR AND SEAT
James W. Greenless, Conway, Mich.
Application October 10, 1949, Serial No. 120,536
6 Claims. (Cl. 155—88)

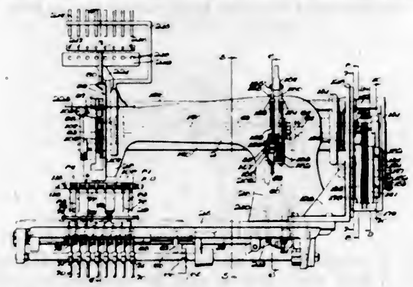


2. A chair comprising a frame having vertically disposed spaced front and rear leg members forming a seat area therebetween, connecting means connecting said rear leg members together, a seat structure formed of a pair of hingedly connected together seat members disposed within said seat area, a pair of locking members carried by each seat member and frictionally engageable with said front or rear members for releasably locking said seat members in a vertically adjusted position, and a second locking means engaging between the seat members for releasably holding said seat members against movement one relative to the other.

2,595,355
MULTIPLE NEEDLE TUFTING MACHINE
Walter W. Hamby, Dalton, Ga., assignor of one-fifth to Isaac C. Adams, Dalton, Ga.
Application May 20, 1949, Serial No. 94,456
15 Claims. (Cl. 112—79)

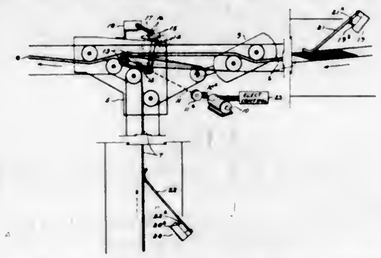
1. In a tufting machine, a reciprocatory needle bar, a movable looper arranged near the needle bar, a movable blade to sever the loops upon the looper, a reciprocatory member arranged near the needle bar, a latch for detachably connecting

the reciprocatory member and needle bar, a movable needle bar member for coaction with the needle bar to hold the same in the raised position when the needle bar is disconnected from the reciprocatory member, a mechanical device connected with the latch and the movable needle bar holding member to actuate the same, feed dog mechanism arranged near the needle bar to engage the fabric, a second movable hold-



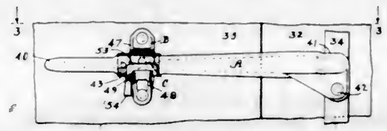
ing member having a part to be brought into engagement with the mechanical device and provided with a shoulder, a lever arranged near the second movable holding member, a pawl carried by the lever to engage the shoulder of the second movable holding member, manually operated means connected with the pawl to move the same into the path of travel of the shoulder and cam means for operating the mechanical device and the lever.

2,595,356
AUTOMATIC CONTROL FOR SWITCHING TYPE CONVEYERS
Kenneth H. Hansen, White Plains, N. Y., and Theodore B. Jochem, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 26, 1947, Serial No. 776,330
5 Claims. (Cl. 198—79)



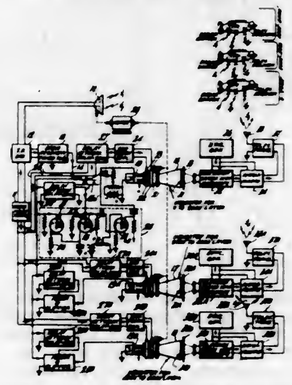
1. The combination with conveyor apparatus including a switch adjustable to convey to a given point materials delivered from either of two sources, of a reversible electric motor for adjusting said conveyor switch, a power supply for said motor, and control means for said motor responsive to supply of material from either of said sources to connect said motor to said power supply for operation in opposite directions selectively for appropriate positioning of said conveyor switch if not occupying a position appropriate to the source of material, said control means having interconnected contact devices individualized to said sources and so interconnected that the active device retains control of said conveyor switch until rendered inactive by its respective supply of material.

2,595,357
HOLDING MEANS FOR OPERATING LEVER ARMS OF DOOR FASTENERS
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application January 19, 1948, Serial No. 3,143
4 Claims. (Cl. 292—1)



1. In a holding means for the operating handle lever of a rotary operating bar of a door fastener having the operating handle lever connected to said bar for effecting rotation of the same by swinging movement of said lever about the axis of rotation of said bar, the combination with a fixed latch plate having an outstanding arm over which said lever is engageable, said arm having a locking projection at the outer end thereof; of a swingable latch member journaled on said lever for rotation about an axis extending longitudinally of said lever, said latch member having a shoulder thereon engageable with said locking projection to lock said lever against swinging movement outwardly away from said latch plate; and a finger piece on said latch member urging the same to swing to its engaged position.

2,595,358
RADIO NAVIGATION SYSTEM FOR TARGETS IN ALTITUDE LAYERS
Philip J. Herbst, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1945, Serial No. 618,969
7 Claims. (Cl. 343—6)

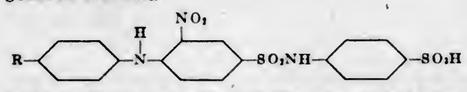


1. In combination, a control station comprising a pulse transmitter and a pulse receiver, a plurality of receiver-transmitter units for transmitting signals in response to reception of signals from said pulse transmitter, means for modulating said signals transmitted from said units with different modulation signals assigned to different units, each said modulated signal comprising two pulses which are spaced by a predetermined assigned time interval, said pulse receiver including a plurality of indicators and modulation responsive means for each of said indicators, said

modulation responsive means including means for delaying said modulated signal in one channel by an amount substantially equal to the characteristic time interval of the desired signal, said modulation responsive means further including means for adding the delayed modulated signal from said one channel and the undelayed modulated signal from a second channel whereby the first and second pulse from said one channel and from said second channel, respectively, add to produce a combined pulse of increased amplitude.

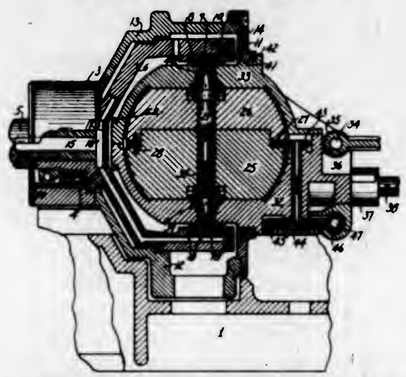
2,595,359
DIPHENYLAMINE DYESTUFFS
Clarence E. Hieserman, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application June 13, 1950, Serial No. 167,927
8 Claims. (Cl. 260—397.7)

1. Diphenylamine dyestuffs of the following general formula



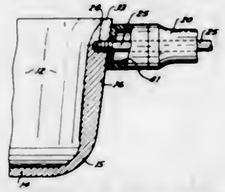
wherein R is a member of the group consisting of hydrogen, a lower alkyl group and a lower alkoxy group.

2,595,360
EQUATORIAL GENERATOR FOR MULTIPLE LENS GRINDING
Arthur J. Holman, Brighton, N. Y.
Application February 7, 1947, Serial No. 727,244
10 Claims. (Cl. 51—73)



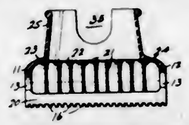
1. A diamond milling generator for combined rough and fine grinding of curved surfaces on a plurality of lens blanks in such manner that said plurality of lens blanks may be polished as a unit subsequent to grinding, said diamond milling generator comprising a rotating tool unit suitably supported, multiple grinding rings removably mounted in said rotating tool unit and arranged for combined rough and fine grinding, successively and simultaneously, in either direction along the axis of said rotating tool unit, a multiple lens blank carrier of spherical form arranged for rotation on its polar axis, means whereby said carrier may be rotatably supported and brought into proper grinding relation with said multiple grinding rings, means whereby said carrier may be rotated on its polar axis to feed lens blanks mounted on said carrier to said multiple grinding rings from two directions simultaneously, and means for rotating said tool unit.

2,595,361
COOKING UTENSIL
John H. Keating, Cleveland, Ohio, assignor to Monarch Aluminum Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application May 24, 1949, Serial No. 95,046
3 Claims. (Cl. 220—94)



3. A cooking utensil comprising a generally round side wall and a bottom integrally joined thereto, the exterior and interior surfaces of said side wall being smoothly curved, said side wall having a thickened portion extending throughout only a portion of the circumference of said side wall and disposed above the bottom, the exterior and interior surfaces of the thickened portion being smoothly curved throughout, the interior surface of said thickened portion being concave in a horizontal plane and the exterior surface of said portion being convex in a horizontal plane, the smooth exterior surface of said thickened portion having a threaded opening therein, said opening stopping short of the interior surface of said side wall and being adapted to support a handle member, the inner surface of said side wall being generally circular adjacent the rim thereof and adjacent the juncture of the side wall and bottom, the radius of curvature of said concave portion being greater than the radius of curvature of the remaining portions in said horizontal plane to provide said side wall with said thickened portion, a handle member having a surface substantially conforming to the exterior surface adjacent said opening, and a screw engaging said opening and securing said handle to said side wall.

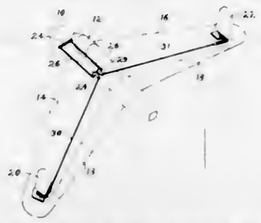
2,595,362
HAIR CURLER
Ralph M. Keele, San Francisco, Calif., assignor, by mesne assignments, to Grace Wagner, Des Moines, Iowa
Application May 6, 1949, Serial No. 91,731
13 Claims. (Cl. 132—36)



1. In a hair waving device having a mandrel on which a strand of hair is to be wound and having a journal at each end and including clamping means, comprising; a heating chamber comprising a cylindrical member formed of resilient material having end walls and a top wall with said end walls provided with apertures for reception and retention of said journals and being split vertically through the lower half thereof for opening and closing for reception

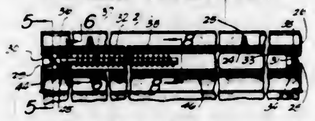
and removal of the mandrel and axially spaced vertical ribs, and a longitudinal rib connecting the lower ends of the vertical ribs and forming a series of pockets internally along each side of the split to retain condensed steam or the like in a multiplicity of small volumes to prevent draining through the split to the scalp.

2,595,363
HINGED FINS FOR PROVIDING DIRECTIONAL CONTROL AND STABILITY IN TAILLESS AIRPLANES
John G. Lee, Farmington, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 30, 1948, Serial No. 36,118
7 Claims. (Cl. 244—87)



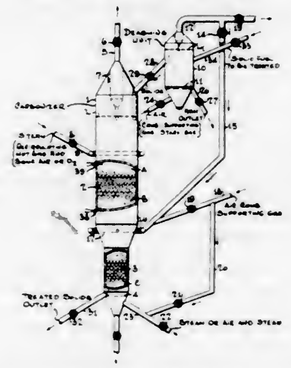
1. In an airplane having swept-back wing surfaces on opposite sides of a central longitudinal plane, control surfaces of substantially symmetrical airfoil shape pivotally mounted on said wing surfaces for limited free floating movement about axes located to the rear of a transverse line through the center of gravity of the airplane and upstanding from said wing surfaces, means for imparting inherent directional stability to the airplane in yaw including said control surfaces and stops for limiting the outboard movement of the trailing portions of said control surfaces beyond positions in which the latter lie substantially parallel with said plane while permitting inboard movement thereof about said axes, and means for positively moving either of said control surfaces inboard of its normal position parallel with said plane to produce controlling lift forces thereon including pilot operated mechanism movable in two directions and connected with said surfaces, said pilot operated mechanism including operative connections to said control surfaces for positively moving one of said surfaces inboard immediately upon movement of said mechanism in one of said directions.

2,595,364
SCREEN ROLLER
Hughbert M. Lockhart, Highland Park, Mich.
Application July 21, 1947, Serial No. 762,319
2 Claims. (Cl. 160—313)



1. In a roller screen of the class described, a tubular roller adapted for having a screen wound thereon; a disc mounted in one end of said roller and positioned inwardly from the end thereof; a trunnion attached to and projecting outwardly from said disc and terminating flush with the end of said roller, said roller at the location of said trunnion being cut away at one side; a cup-shaped member mounted in the opposite end of said roller and positioned inwardly from the end thereof; a rod rotatably projected through said cup-shaped member; a spring embracing said rod, one end of said spring being attached to one end of said rod and the opposite end of said spring being attached to said cup-shaped member, said cup-shaped member being in fixed relation to said tubular roller, and said rod projecting outwardly from said cup-shaped member and terminating with its end flush with the end of said roller.

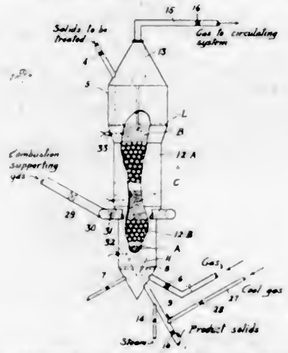
2,595,365
CARBONIZATION OF CARBONIZABLE SOLIDS
William W. Odell, Washington, D. C., and George L. Matheson, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 14, 1947, Serial No. 754,623
5 Claims. (Cl. 202—6)



1. The continuous process of carbonizing carbonizable solids which comprises forming a deep single substantially continuous downwardly moving bed of finely divided carbonized solid fuel in an upright carbonizer, continuously feeding the carbonizable solid in finely divided state to the upper part of said bed, maintaining said bed in a fluidized condition by passing upwardly therethrough a stream of gas comprising, near the lower part of said bed, steam introduced at that point and, at a higher level in said bed, steam, combustion supporting gas and gaseous combustion residues, causing said bed in its downward travel to pass through the interstices of large size bodies maintained as a pack in two separate zones in the path of said bed, said packs preventing back-mixing of the finely divided solid upwardly through said zones into preceding portions of said bed, introducing the combustion supporting gas into said bed between said zones, recovering from above said bed vaporous products of the carbonization of said carbonizable solid and recovering carbonized solid from the lower portion of said bed below the point of introduction of steam into said bed, the flow of materials and the feed of steam and combustion supporting gases being so regulated that throughout the upper portion of the bed above the upper packed zone, the finely divided material is maintained at a carbonization temperature above the plastic range of said carbonizable solid and between 900–1400° F., in the next lower zone including the upper packed zone, the finely divided material is maintained at a temperature between about

1600–2000° F., and in the lowermost zone, including the lower packed zone, said material is quenched with steam.

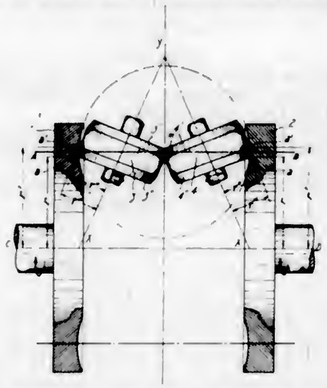
2,595,366
PROCESSING CARBONACEOUS SOLIDS
William W. Odell, Washington, D. C., and George L. Matheson, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 14, 1947, Serial No. 754,624
12 Claims. (Cl. 202—31)



1. The process of beneficiating carbonaceous solids in the form of finely divided de-ashed and carbonized coal comprising passing a mass of said solids substantially continuously downwardly in a fluidized state through a stationary porous mass of substantially uniformly sized, relatively large-size heat-resistant solids confined in a reaction chamber, while passing a stream of hot, initially strongly reducing gas upwardly therethrough in counter current contact with the said carbonaceous solids, introducing into the gas stream during its contact with said carbonaceous solids in said reactor a relatively small amount of a combustion supporting gas and promoting combustion reactions in said stream in contact with the latter solids, controlling the supply of said combustion-supporting gas so as to generate the heat in the reactor while maintaining the resulting reacting gas reducing, discharging the resulting reducing gas stream overhead, substantially continuously discharging the thus treated carbonaceous solids from beneath the mass of said large-size solids while continuously feeding fresh de-ashed and carbonized coal to be treated to the reactor above the latter mass, synchronizing the feed and discharge of said carbonaceous solids so that a continuous deep bed of the latter solids is maintained in said reactor, said bed extending over the entire cross-sectional area of said chamber from an upper point substantially above said bed through said bed to a lower point substantially below said bed, and maintaining the latter bed in a fluidized state over its entire height by controlling the velocity of the gaseous stream passing therethrough.

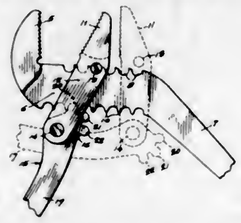
2,595,367
TOROIDAL VARIABLE-SPEED GEAR DRIVE
Jaime Picanol, Ypres, Belgium
Application September 23, 1947, Serial No. 775,735
In Belgium November 9, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 9, 1963
9 Claims. (Cl. 74—200)

1. A toroidal variable speed gear drive comprising a driving and a driven disc having a common axis, a plurality of pairs of contacting rollers interposed between said discs, the roller axes intersecting each other, each of the rollers having a conical surface by which it contacts the other roller of the pair and a second rolling surface by which each roller contacts the toroidal



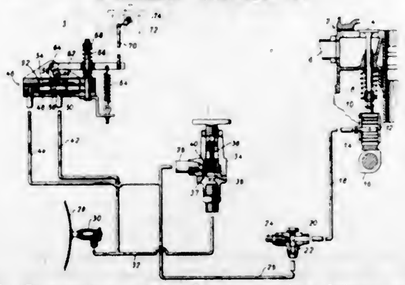
surface of the corresponding disc, and a movable support on which each pair of rollers is rotatably mounted, the angular displacement of said support causing a displacement of the point of contact of said rollers with their corresponding disc thereby effecting a change in the speed ratio of said discs.

2,595,368
WATER PUMP PLIERS
Arthur B. Plauts, White Rock, British Columbia, Canada
Application June 14, 1948, Serial No. 32,921
6 Claims. (Cl. 81—51.3)



3. A pliers of the character described comprising a pair of coacting jawed members, one of said members providing a shank integrated with and placed angular to the related jaw and which is formed along both the front and the rear edges with a series of teeth, the other said member providing a bifurcated shank integrated with and extending as a rectilineal prolongation of its jaw and arranged to straddle the first-named shank, means carried by the bifurcated shank to occupy a position in the crotch of the latter and adapted to find pivotal engagement with the toothed front edge of the first-named shank at selected points within the length thereof, a handle integrated with the toothed shank and extending from the end thereof opposite the jaw, and a lever pivoted between its ends to the free end of the bifurcated shank, one end of said lever serving as a handle complementary to the first-named handle and the other end being formed with a quadrant gear arranged to mesh selected groupings of the rear-edge teeth.

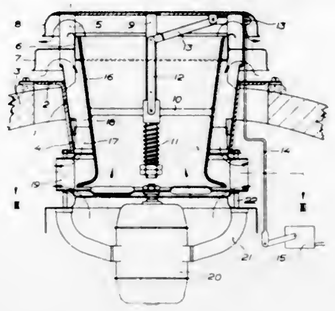
2,595,369
GOVERNING MECHANISM FOR ENGINE-DRIVEN COMPRESSORS
Albert H. Repscha, Devon, and Hillery Fox, West Chester, Pa., assignors to Schramm, Inc., West Chester, Pa., a corporation of Pennsylvania
Application July 15, 1947, Serial No. 761,092
2 Claims. (Cl. 230—3)



1. Governing means for an engine driven compressor having speed controlling means operating the engine throttle and a supply tank for air compressed by said compressor, said governing means comprising a housing, a first air pressure responsive diaphragm within said housing, means supplying air pressure from said supply tank to one side of said diaphragm within said housing, a second air pressure responsive diaphragm within said housing spaced from said first mentioned diaphragm, means supplying air pressure from said supply tank to one side of said second diaphragm within said housing and to the other side of said first mentioned diaphragm when air pressure in said tank exceeds a predetermined value, means positioned between said diaphragms operatively connecting said diaphragms, and means operatively connected to said second diaphragm responsive to motion of said second diaphragm for actuating said speed controlling means with an increasing rate of response to displacement motion of the diaphragm, said first air pressure responsive diaphragm in response to air pressure applied to said one side thereof acting through said means operatively connecting said diaphragms and said means actuating said speed controlling means to control the speed of the engine continuously throughout a predetermined range of pressure in said supply tank, and said second diaphragm acting through said means actuating said speed controlling means to reduce the speed of the engine to a predetermined fixed speed when air pressure from said supply tank is applied thereto.

2,595,370
ARRANGEMENT FOR VENTILATING OF RAILWAY CARRIAGES, BUSES AND SIMILAR VEHICLES
Sune Ossian Rygård, Stockholm, Sweden, assignor to A B Svenska Flaktfabriken, Stockholm, Sweden
Application October 23, 1947, Serial No. 781,626
In Sweden October 8, 1945
14 Claims. (Cl. 98—10)

1. In an apparatus for ventilating vehicles: a tubular passageway opening at one end to the atmosphere; a combined suction and exhaust fan at the other end of said passageway; means covering the atmospheric end of said passageway and providing separate lateral annular channels communicating therewith; and a tubular member mounted for axial movement bridging the distance between said means and fan dividing said passageway into concentric intake and exhaust channels, the axial position of said member gov-



erning intercommunication of said intake and exhaust channels to control mixing of entering and exhaust air.

2,595,371
INSECT REPELLENT OINTMENT COMPRISING HYDROGENATED ROTENONE AND 2-AMINO-2 METHYL-1,3-PROPANEDIOL
Robert W. Scanlan and Hugh R. Cunningham, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application May 2, 1947, Serial No. 745,654
2 Claims. (Cl. 167—24)

1. An insect repellent ointment prepared by forming an intimate mixture of:

	Parts by weight
Beeswax	5
Stearic acid	25
Spermaceti	3
Hydrogenated rotenone	0.125
Mineral oil	20.375
2-amino-2-methyl-1,3-propanediol	1.5
Glycerin	7
Phenol	0.5
Zinc stearate	0.8
Water	50

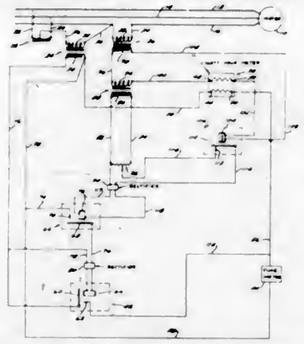
2,595,372
N-METHYL-N-CINNAMYL-2-PHENYLPROPYLAMINE
Robert S. Shelton, Mariemont, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application March 29, 1949, Serial No. 84,249
1 Claim. (Cl. 260—570.8)

N-cinnamyl-N-methyl-2-phenylpropylamine.

2,595,373
ELECTRICAL ENERGY MEASURING APPARATUS
Donald R. Stewart, Detroit, Mich.
Application September 11, 1947, Serial No. 773,329
10 Claims. (Cl. 171—34)

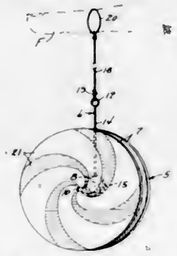
1. In a system for recording the productive work of a machine driven by an electric motor, an energy recording means operable to record the electrical energy used by the motor, an electrically operated control means operable to control operation of the energy recording means, and

a second electrically operated control means sensitive in response to increase in load on the



motor above free running load thereof controlling operation of said first control.

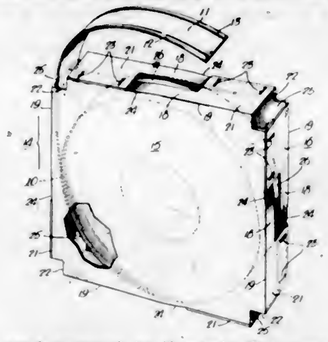
2,595,374
AERIAL SPINNING TOY
William C. Studt, St. Louis, Mo.
Application April 21, 1949, Serial No. 88,879
1 Claim. (Cl. 46—49)



In a toy, the combination which comprises a disk assembly and operating means for effecting rotation of said disk assembly, said disk assembly consisting of a pair of circular disks disposed in concentric relation and connected together by a pin, said pin being disposed off center with respect to the common central axis of the disks and having an annular groove spaced midway between said disks, said operating means consisting of a stiff wire having, at one end, a loop larger than said pin operatively embracing said pin and engaging said groove, and a cord having one end connected to the free end of the wire, the other end of the cord having a finger engaging loop.

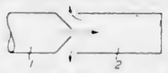
2,595,375
DISPENSING UNIT FOR SLOT INSULATION MATERIAL
William F. Weirich, Philadelphia, and Henry Weirich, Lenni, Pa.
Application April 4, 1949, Serial No. 85,456
5 Claims. (Cl. 206—52)

1. A two-part dispensing container for a roll of slot insulating material, comprising two opposed, like members disposed in reversed, face-to-face relation, each member including a substantially square shaped body portion defined by four marginal fold lines and four like flaps, one bent along each of said fold lines in a direction toward the other member and normal to the plane of the body portion, each of said flaps including a first portion relatively short in said normal direction, and a second portion relatively long in said normal direction, the said second portion of each flap of each of the opposed members over-



lapping and secured to the said first portion of each flap of each of the opposed members, said flaps forming the four sides of said container.

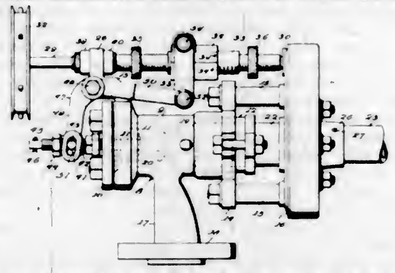
2,595,376
DEVICE FOR STABILIZING AND HOMOGENIZING LIQUID MIXTURES
Stig Holger Bjarne Zachariassén, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application May 12, 1949, Serial No. 92,774
In Sweden May 14, 1948
3 Claims. (Cl. 259—96)



1. A device for stabilizing and homogenizing liquid mixtures, which comprises a centrifugal separator bowl having an inlet for the liquid and a separating chamber communicating with the inlet, a nozzle in the bowl for receiving the larger particles separated from the liquid in said chamber and operable to bring said particles to high velocity under pressure generated in the bowl, and a whirl-chamber in the bowl communicating with the nozzle for rapidly converting the liquid velocity of said particles at least largely into liquid friction with substantial turbulence, to homogenize the mixture of said particles, and a stationary vessel surrounding the bowl for receiving the homogenized particles from the whirl-chamber.

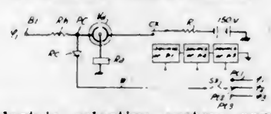
2,595,377
SOOT BLOWER HEAD AND VALVE MECHANISM THEREFOR
Robert Hudson Wager, Maplewood, N. J.
Application June 18, 1947, Serial No. 755,438
10 Claims. (Cl. 15—318)

10. In a soot blower, a rotatably mounted blower element, a head for supplying a blower fluid under pressure to said element, a valve movable to control the supply of fluid to said element, an operating shaft rotatably mounted on said head and having a screw threaded portion, a driving connection between said shaft and said blower element for rotating the latter when said shaft is operated, and means between said shaft and said valve for positively moving the latter when said shaft is rotated, said means including a nut to travel on the screw threads on said shaft, a bell crank fulcrumed on said head and having one of its arms operatively connected to said valve to move the same, and a link pivoted at one of its ends to said nut and pivoted at its other end to the other arm of said bell crank, the last mentioned arm of said bell crank extend-



ing in generally parallel relation with the axis of said shaft to cause the link pivot on the nut to pass the dead center of the link pivot on the bell crank when the nut travels in one direction on said shaft.

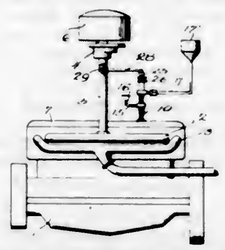
2,595,378
SELECTIVE SYSTEM
Martinus Den Hertog and Hans Helmut Adelaar, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 12, 1950, Serial No. 167,674
In France May 23, 1949
18 Claims. (Cl. 177—353)



1. An electric selective system comprising a channel, a first input circuit, a resistance connected between said first input circuit and said channel, a second input circuit connected to said channel, means for intermittently applying a first potential to said first input circuit, a uni-directional current-carrying means in said second input circuit, means for normally applying a second potential lower than said first potential to said uni-directional current-carrying means and for replacing said second potential by a potential at least as high as said first potential in a series of impulses spaced in a time cycle, the frequency of said impulses being such that at predetermined intervals said potential at least as high as said first potential will be applied to said uni-directional current-carrying means simultaneously with the application of said first potential to said resistance, said uni-directional current-carrying means being poled so as to permit current to flow through said resistance only in a direction in which the voltage drop through said resistance will alter the voltage on said channel in a predetermined direction.

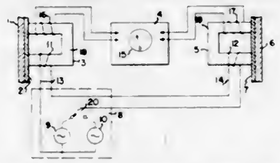
2,595,379
LIQUID INJECTOR FOR INTERNAL-COMBUSTION ENGINES
Walton W. Cushman, Webb City, Mo.
Application May 4, 1950, Serial No. 159,913
13 Claims. (Cl. 123—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A water injector for internal combustion engines comprising a water container, a pipe leading therefrom to the induction system of the engine, and a pressure-operated pump connected with said pipe, said pump including a cyl-



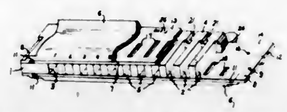
inder having one end in communication with a combustion chamber of the engine and the opposite end communicating with the interior of the pipe, and a piston in said cylinder.

2,595,380
PIPE THICKNESS TESTING APPARATUS
Arthur C. Hudson, Ottawa, Ontario, Canada, assignor, by mesne assignments, to Geotechnical Corporation, Dallas, Tex.
Application January 19, 1948, Serial No. 3,086
2 Claims. (Cl. 175—183)



1. A system for determining unknown wall conditions and thicknesses of magnetic materials, comprising a test unit having an open magnetic core with a primary and secondary coil means linked therewith, means forming a magnetic circuit with the wall spanning the open ends of the core, means for impressing for comparative tests a high frequency current of the order of 60 cycles per second and a low frequency current of the order of .6 cycles per second upon said primary, and means measuring the induced voltage of the different currents on the secondary coil means as an indication of the condition and thickness of the magnetic materials.

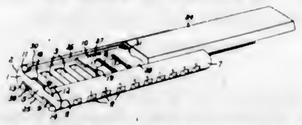
2,595,381
MUSICAL INSTRUMENT
Adolph C. Hugin, Washington, D. C.
Application December 28, 1948, Serial No. 67,599
23 Claims. (Cl. 84—377)



1. A harmonica having a supporting structure with a mouthpiece edge and a back edge, a pair of reed plates, a transverse guideway open at said back edge for each of said reed plates adjacent each longitudinal end of said supporting structure, each of said reed plates being formed for ready insertion into and removal from said sup-

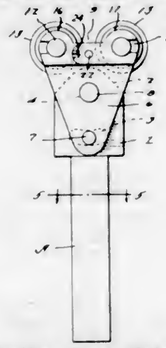
porting structure at said back edge with a portion of each end adapted to have a close sliding fit with the sides of said guideways, one of said reed plates having a plurality of blow reeds in a preselected successive musical note arrangement according to a part of a musical score fixed relative to said supporting structure when inserted into playable position therein, and the other of said reed plates having a plurality of draw reeds in a preselected successive musical note arrangement according to another part of the musical score fixed relative to said supporting structure when inserted into playable position therein.

2,595,382
MUSICAL INSTRUMENT
Adolph C. Hugin, Washington, D. C.
Application December 28, 1948, Serial No. 67,600
36 Claims. (Cl. 84—377)



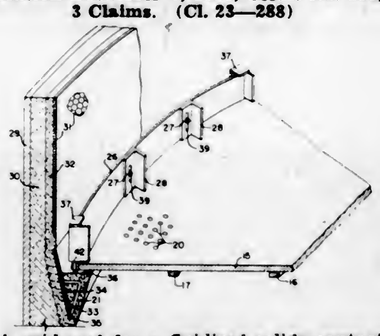
1. A harmonica having a supporting structure, a plurality of blow reeds, a plurality of draw reeds, means supporting said reeds in a preselected musical note arrangement and being removably mounted on said supporting structure, said blow reeds being arranged on said reed supporting means in a progressive linear musical note arrangement according to a musical score fixed relative to said supporting structure when mounted thereon, and said draw reeds being arranged on said reed supporting means in a progressive linear musical note arrangement according to another musical score fixed relative to said supporting structure when mounted thereon.

2,595,383
PIN RETAINER
Bertram R. Irving, Berkeley, Calif.
Application January 28, 1947, Serial No. 724,906
2 Claims. (Cl. 85—8.6)



1. For application to a plate having spaced openings and to pins extending through the respective openings and having heads at one end preventing their withdrawal from the openings in one direction, said pins having circumferentially extending grooves at their other ends, a pin lock of the quick release type for preventing withdrawal of the pins from the openings in an opposite direction, comprising: a first toggle link adapted to be positioned against one face of the plate contiguous to one of the pins and formed with a longitudinal slot at one of its ends adapted to receive said one pin, an aperture at its other end, and detent means intermediate its ends; a second toggle link adapted to be positioned against said face of the plate contiguous to the other pin and formed with a longitudinal slot at one end adapted to receive said other pin, an aperture intermediate its ends registering with the first-named aperture, and detent means at its other end complementary to the detent means of the first link, the walls of the respective slots being adapted to engage in the grooves of the pins; a pivot pin disposed between the slotted ends of the links and extending through the registering apertures to pivotally join the links for movement over said face of the plate, said detent means of the links being arranged to releasably interlock with one another in one position to which the toggle links are moved over the face of the plate, said links when locked in said position coacting with the heads of the pins to prevent withdrawal of the pins from the plate in either direction.

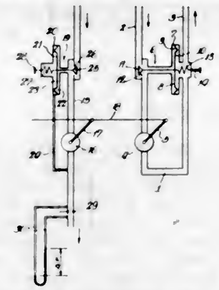
2,595,384
GRID SEAL FOR FLUIDIZED SOLIDS CONTACTING SYSTEMS
John H. Johnsen, Hammond, Ind., and Nate H. Snyder, Jr., San Antonio, Tex., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 7, 1950, Serial No. 199,676
3 Claims. (Cl. 23—288)



1. A grid seal for a fluidized solids contacting system wherein grid plate sections are supported with their outer edges protruding above a peripheral ledge extending inwardly from the inner wall of a contacting vessel, which grid seal comprises a vertical arcuate plate substantially conforming with the outer edges of each grid section, said plate having a rounded lower surface for contacting the upper surface of the ledge, brackets at the periphery of each grid segment and a holder cooperating with said brackets and said plate for holding said plate close to the outer edge of the grid section while permitting relative vertical movement between the plate and the outer edge of the grid section.

2,595,385
FLUID FLOWMETER
Jesse Johnston, Middletown, Ohio, and John C. Vasler, Libertyville, Ill., assignors to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application July 12, 1945, Serial No. 604,548
7 Claims. (Cl. 73—194)

1. Fluid flow measuring means comprising a first conduit for the flow therein under pressure of a main fluid whose flow is to be measured, a main valve in said conduit adjustable to vary the volume of flow therein, a second valve in said conduit upstream of said main valve, a differential pressure responsive device connected to be acted upon by the pressure on opposite sides of said main valve and controlling said second valve to maintain constant the pressure differential across said main valve for all positions thereof, and means for obtaining an indication of the flow of the main fluid without direct measurement thereof including a second conduit for the flow therein under pressure of a pilot fluid, a valve in said second conduit for controlling the flow



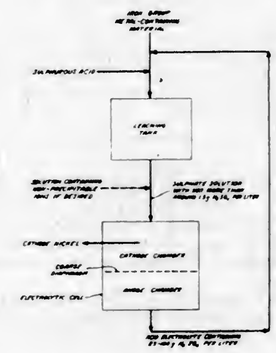
therein, an operative connection between said main valve and said last named valve for adjusting said last named valve to maintain its port opening directly proportional at all times to that of said first named main valve, and a second valve in said second conduit upstream of the other valve in said second conduit and a differential pressure responsive device connected to be acted upon by the pressures on opposite sides of said other valve in said second conduit and controlling said second valve in said second conduit to maintain constant the pressure differential across said other valve in said second conduit for all positions thereof.

2,595,386
LABORATORY DEVICE FOR DETERMINING MELTING POINTS
Niilo Alfred Kajola, Helsinki, Finland
Application February 26, 1948, Serial No. 11,257
In Finland March 5, 1947
4 Claims. (Cl. 73—17)



1. A laboratory device for testing or determining melting points of various materials with the use of a thermometer in suspended position, said device including a transparent tube open at both ends and surrounding substantially the entire effective length of the thermometer; an air propulsion device having an outlet port connected to the lower end of the tube and having at least one intake port independent of said tube; means for removably supporting a sample of material to be tested adjacent to the lower end of the thermometer; means for pendently supporting said thermometer in said tube but out of contact therewith; means for confining and guiding the air issuing from the upper end of said tube to a downward path about the latter leading to said intake port upon the air propulsion device; means for heating the air approaching the intake port of said air propulsion device; and means for driving the latter device.

2,595,387
METHOD OF ELECTROLYTICALLY RECOVERING NICKEL
Bo Michael Sture Kalling, Domnarvet, Ruth Saga Mariana Sundgren-Wallden and Sven Johan Wallden, Stockholm, and Karl Arne Sivander, Perstorp, Sweden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden
Application February 21, 1946, Serial No. 649,370
In Sweden December 5, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 5, 1962
3 Claims. (Cl. 204—112)



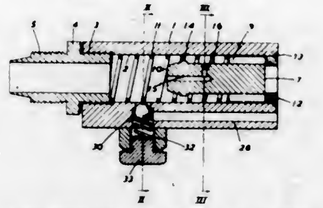
1. A method of recovering nickel from materials containing said nickel in its metallic state that comprises leaching said materials with a leaching liquor containing sulphuric acid and sulphurous anhydride, electrolyzing the resulting nickel-containing leaching liquor by passing it into the cathode chamber of an electrolytic cell in the form of a sulphate solution containing no more than about 1.5 grams of sulphuric acid per liter, the electrolytic cell containing an insoluble anode and a coarse, porous diaphragm that will permit the flow of electrolyte between the cathode and anode compartments, causing the leaching liquor to flow from the cathode to the anode compartment of the cell at a velocity such as will maintain the liquor in the cathode compartment at not more than around 1.5 grams of sulphuric acid per liter but will raise the acidity of the leaching liquor in the anode compartment to around 25 to 100 grams of sulphuric acid per liter, withdrawing leaching liquor from the anode compartment and returning it to the leaching step of the process.

2,595,388
TELEPHONE CONVERSATION TIMING MEANS
Frank Kessler, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application December 12, 1949, Serial No. 132,616
8 Claims. (Cl. 179—7.1)



1. In a telephone system, a first group of calling lines, a second group of calling lines, a called line, means for extending a call from a calling line in one of said groups to said called line, a conversation timing device, a first control lead extending from the called end of the extended call to said timing device, a second control lead extending from the calling end of said extended call to said timing device, means at the called end of said first control lead for applying a control potential to said first control lead, means in said timing device responsive to said control potential if said call originated on a line in said first group for closing a starting circuit for said timing device, means at the calling end of said second control lead for setting up a distinctive potential condition on said second lead if the call originated on a line in said second group, and means in said timing device controlled by said potential condition on said second control lead for rendering said timing device ineffective, said last mentioned means also being responsive to said potential condition on the second control lead for connecting said two control leads to each other.

2,595,389
TWO-WAY VALVE WITH EXCESS FLOW PREVENTION
James Aitken Kinnaird, Braiswick, near Colchester, England, assignor to Bromilow & Edwards Limited, Bolton, England, a body corporate of Great Britain
Application December 17, 1948, Serial No. 65,876
In Great Britain December 22, 1947
5 Claims. (Cl. 277—60)



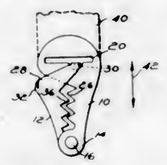
1. A two-way safety valve for preventing excessive flow of fluid in hydraulic mechanism, comprising in combination, a barrel having a main inlet passage for fluid and a return inlet passage and a by-pass outlet passage, a one-way outlet valve in said by-pass passage, a valve seat in said main inlet passage, a slide movable in said barrel and formed with longitudinal flutes, spring means operative to urge said slide away from said valve seat and a valve head on said slide having a bleed duct and operative, when excess flow of returning fluid overcomes the spring means and brings the valve head on the slide into engagement with the valve seat, to confine the flow of returning fluid through said barrel to the said bleed duct.

2,595,390
STOVE LIGHTER
Donald King and Eugene W. Norton, Chillicothe, Ohio
Application March 20, 1950, Serial No. 150,606
1 Claim. (Cl. 158—10)



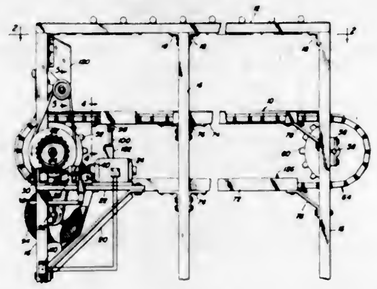
A lighter comprising an elongated tubular housing formed with a flared forward end, a plunger rod slidable in said housing and projecting from the rear end thereof, apertured guide members for said rod secured interiorly of said tubular housing at spaced intermediate points, an absorbent swab normally disposed in the forward end of said housing, a bar extending longitudinally through said swab, a washer of greater diameter than said housing held to the outer end of said swab by said rod and adapted to seat in said flared end, a linked flexible connection between said bar and said rod, a washer secured adjacent the rear end of said rod, a spring positioned between said last named washer and one of said guide members normally biasing said rod in a direction to retract said swab, and a handle on the projecting end of said rod.

2,595,391
CLASP
Leland P. Knowlton, Worcester, Mass.
Application March 24, 1950, Serial No. 151,575
1 Claim. (Cl. 24—248)



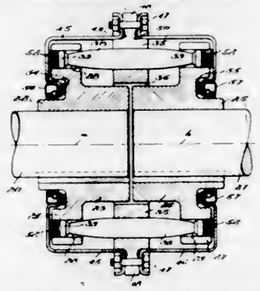
A clasp comprising a pair of flat plate-like members connected at one end by a pivot and having reduced toothed waist portions provided with teeth on their inner edges and enlarged heads on the other ends of said members, one of said members being connected by said pivot to a side surface of the other member and being adapted to yield beyond said pivot such that its head engages the opposite side surface of the head of said other member under tension when the clasp is closed so as to resist unintended opening of the clasp, the head on one of said members having a recess, and the head on the other member having a tab projecting laterally from the surface engaging said opposite head and receivable in said recess when the clasp is closed, said toothed waist portions on said members being twisted to lie substantially in a common plane and crossing each other and the teeth thereon lying in said common plane and being so arranged that the teeth on one member interfit in the spaces between the teeth on the other member when the clasp is closed, said plate-like members being of relatively thin resilient material and creating a tension on each other when closed with the tab received in the recess.

2,595,392
APPARATUS FOR CLEANING POULTRY HOUSES
Lawrence E. Lalancette, Melrose Park, Ill.
Application May 21, 1948, Serial No. 28,448
2 Claims. (Cl. 119—21)



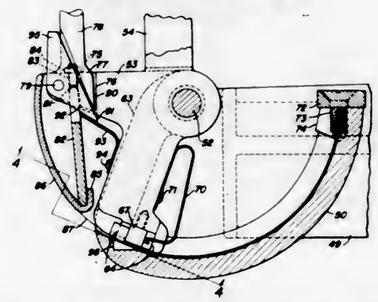
1. The combination with a horizontal endless conveyor adapted for operation in opposite directions, and a sawdust dispenser over said conveyor including a rotary dispensing reel, of a worm drive for said conveyor, a reversible motor operating said drive, a starter switch for said motor, motor control means operatively associated with said conveyor and including a single lever operative in opposite directions and switch devices to which said lever is operatively connected to operate the same in either direction of movement of the lever to stop and condition said motor for reverse operation, lugs on said conveyor adapted to be engaged by opposite sides of said lever by operation of the conveyor in opposite directions whereby to operate the lever in opposite directions, and a one way drive for said reel between said worm drive and reel.

2,595,393
FLEXIBLE COUPLING
Howard H. Langdon, Rochester, N. Y., assignor to Consolidated Machine Tool Corporation, Rochester, N. Y., a corporation of Delaware
Application June 20, 1946, Serial No. 678,039
14 Claims. (Cl. 64—15)



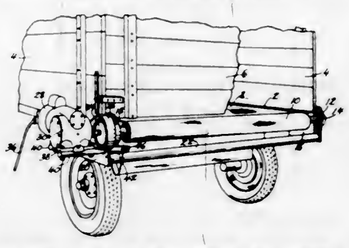
1. A flexible coupling comprising two discs adapted to be connected, respectively, to adjacent ends of a driving and a driven shaft, each of said discs having a plurality of circular holes therein, a ring mounted between the discs, and a plurality of solid pins secured in the holes of the ring and having their opposite ends engaged in the holes of the discs, each of the pins being circular in cross-section and decreasing in diameter from its central portion, which is mounted in a hole of the ring, toward both its ends.

2,595,394
MEDICAL PRACTICE CHAIR WITH BACK REST LOCKING MEANS
Norman E. Lauterbach, Newark, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Original application July 2, 1946, Serial No. 680,983. Divided and this application October 1, 1949, Serial No. 119,093
5 Claims. (Cl. 155—160)



1. A chair comprising a seat frame, back rest means pivotally connected with said frame, an arcuate clutch face on said frame concentric with the pivot of said means, a roller for cooperation with said face, wedge means on said back rest for wedging said roller against said face during lowering movement of said back rest for clutching the same in adjusted position, and means for moving said roller free of said wedge means to release said back rest for lowering movement.

2,595,395
POWER UNIT AND WAGON UNLOADER
Thomas B. Lavelle, Churchville, and Adolph F. Herzog, Newtown, Pa.
Application November 20, 1948, Serial No. 61,262
12 Claims. (Cl. 214—83.34)



1. In combination with farm equipment which has a gear thereon for actuating the equipment, a power unit comprising a support having a motor thereon, a driving pinion connected to said motor and having teeth thereon formed to engage the teeth of said gear on the farm equipment, and positioning means secured to said support and equipment and having a loose interfitting rela-

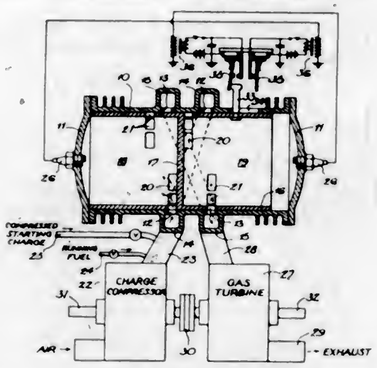
tion to permit ready application and removal of said unit from said equipment, said means presenting relatively inclined surfaces movable into supporting engagement to hold said pinion and gear in driving relation.

2,595,396

FREE PISTON TYPE COMBUSTION PRODUCTS GENERATOR FOR GAS TURBINE POWER PLANTS

Royal Lee, Elm Grove, Wis.

Application October 31, 1947, Serial No. 783,379
1 Claim. (Cl. 60—39.76)



Combustion power apparatus comprising a cylinder having side walls, a fluid-pressure-operated piston reciprocable in said cylinder and forming therewith a pair of combustion chambers, and ignition means for said combustion chambers, said cylinder side walls having intake and discharge ports for each of said combustion chambers, said intake ports being adapted for connection with a source of compressed charge, said piston having an intermediate partition wall separating said combustion chambers and further having cylinder-contacting skirt portions rigidly connected with said partition wall, said skirt portions projecting from opposite sides of said partition wall and cooperating with said cylinder ports to control intake and discharge with respect to said chambers, said skirt portions having intake ports extending transversely therethrough adjacent to opposite sides of said partition wall, and said piston at each end of its travel exposing the intake port of the chamber at the advanced end of the piston and exposing the discharge port of the chamber at the other end of the piston.

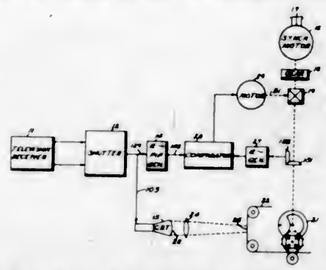
2,595,397

ELECTRONIC TELEVISION SHUTTER

Richard W. Lee and Louis L. Pourciau, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York

Application December 1, 1948, Serial No. 62,832
13 Claims. (Cl. 178—7.4)

11. An electronic shutter adapted for use in a system wherein received television images are periodically recorded on an intermittently actuated film strip comprising, a counting circuit successively counting the received television horizontal synchronizing pulses for a period of time which is greater than the pulldown time resulting from the intermittent actuation of said film strip but which is less than the period of one television scan minus the pulldown period, said counting circuit producing an output signal pulse at the termination of said period of time, means operative conjointly by a received television vertical synchronizing pulse and a received television horizontal synchronizing pulse initiating the operation of said counting circuit, means operative by the output signal pulse for terminating the operation thereof, means for combining in timed relation the received television vertical synchronizing pulses and the output pulse signals of said counting circuit thereby producing a train of pulse signals whose alternate times of occurrence are the period of operation of said counting circuit and the period of one television scan minus the period of operation of said counting circuit, a gating circuit operated by successive signals impressed thereon to produce signals of alternate potential levels, a switching means interposed between the means for producing said train of pulse signals and said gating circuit for transferring signals of said train to said gating circuit when in conductive condition and inhibiting the transmission of said train of signals when in nonconductive condition, a trigger circuit having a period of operation greater than three of the time intervals existing between successive pulse signals of said train of signals but less than four of such intervals, means for initiating the operation of said trigger circuit by one of the alternate potential levels produced by said gating circuit, means for rendering said switching means nonconductive during the operation of said trigger circuit, and circuit means for impressing the alternate potential levels produced by said gating circuit on a control electrode of a cathode ray tube which produces the television images.

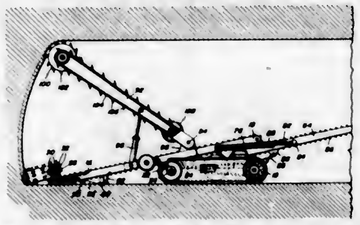


2,595,398

COAL CUTTING AND LOADING MACHINE

Harold G. Lewis, Peytona, W. Va., assignor of thirty-three and one-third per cent to Jesse C. Clendenin and thirty-three and one-third per cent to Aubrey I. Clendenin, both of Peytona, W. Va.

Application July 22, 1949, Serial No. 106,163
5 Claims. (Cl. 262—9)



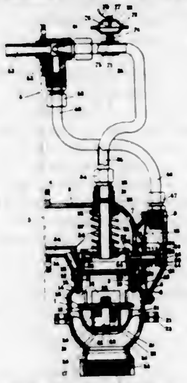
1. A coal cutting and loading machine comprising a locomotive truck, a frame extending forwardly and pivoted on the truck for movement about a horizontal axis, power driven cutters on the front end of said frame, a front conveyor on said frame to carry coal from said cutters toward the rear of the frame, a loading conveyor boom pivotally mounted on said truck, and a loading conveyor on said boom to receive coal from the rear end of the front conveyor and to carry said coal rearwardly of the truck, said frame and front conveyor being inclined downwardly at the front end of the machine, and said cutters being rotatively mounted on axes normal to the general plane of said frame and having the forward cutting elements of the cutters extending to points beneath the level of the front ends of the frame and front conveyor.

2,595,399

TANKING PLANT

Jean Marcou, Paris, France, assignor to Societe Anonyme Tecalemit, Paris, France

Application March 30, 1948, Serial No. 17,902
In France April 8, 1947
4 Claims. (Cl. 137—68)



1. A device for automatically filling a tank up to a certain level of the vertical walls of such tank by means of an admission pipe-system of liquid under pressure comprising a body provided with a threaded opening connected with the admission pipe-system of liquid under pressure, an enlarged flanged opening fitted against a corresponding opening of a vertical wall of the tank, and a third opening with smaller diameter than the two previous holes, a pilot pipe mounted in the third opening of the body and rising towards the upper part of the tank, a nozzle mounted at the top end of this pilot pipe, a cone placed opposite the nozzle and entering in the vertical wall of the tank at a higher level than the level to which the flanged opening of the body emerges in the tank, a member enclosing the space included between the nozzle and the cone, a valve sliding in the body and whose position may either permit or stop the admission of the liquid under pressure towards the flanged opening of the body and towards the opening with the smallest diameter on which is mounted the pilot pipe, this valve being thrust by the pressure of the liquid coming from the threaded opening towards the closing position of this valve and means keeping the valve open during the filling of the tank and closing the valve under the action of the depression which forms in the space included between the nozzle and the cone when this space is flooded by the liquid filling the tank when the level of this liquid reaches the cone.

2,595,400

POLYMERIC POLYUREAS

John T. Maynard, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 26, 1950, Serial No. 158,323
9 Claims. (Cl. 260—77.5)

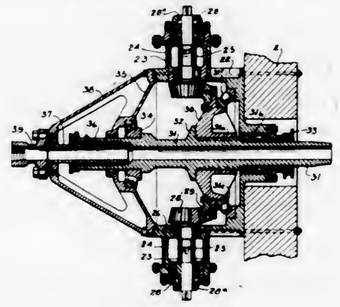
1. A polymeric polyurea having a main polymer chain consisting of contiguous carbon atoms and containing as recurring structural units (*a*) groups containing at least three contiguous carbon atoms of which one is directly connected by a single bond to an extralinear amino nitrogen having hydrogen attached thereto, at least the next two contiguous carbon atoms being an integral part of the main polymer chain, the remaining valence of said amino nitrogen being satisfied solely by a member selected from the class consisting of hydrogen and saturated aliphatic hydrocarbon radicals of 1 to 18 carbon atoms, and (*b*) groups containing at least three contiguous carbon atoms of which one is directly connected by a single bond to a wholly extralinear urea unit through one of the nitrogens therein, at least the next two contiguous carbon atoms being an integral part of the main polymer chain, said contiguous carbon atoms in each of said groups (*a*) and (*b*) being saturated aliphatic and otherwise attached solely to members of the class consisting of hydrogen and monovalent saturated aliphatic hydrocarbon radicals of not more than two carbon atoms.

2,595,401

DRILL HEAD

James Moon, Altadena, Calif., assignor to Signal Oil and Gas Company, Los Angeles, Calif., a corporation of Delaware

Application December 10, 1945, Serial No. 633,934
5 Claims. (Cl. 255—23)



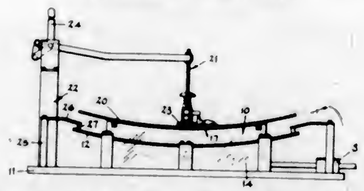
1. A bore hole drilling head, comprising a hollow drill pipe drive shaft, means for connecting said drive shaft to drill pipe, a drive gear, a spline connection between said shaft and said drive gear, said shaft being driven by said gear through said spline connection, pinion gear in meshing engagement with said drive gear, a power shaft for said pinion gear, means for transferring the axial load on said drive shaft to said gear in one axial direction only, said means including a load disc on said drive shaft abutting the side of said drive gear between said gear and said thrust bearing, the shaft being mounted for relatively free movement in said gear in the opposite axial direction, and a thrust bearing for said gear mounted against the opposite side of said drive gear.

2,595,402

DEVICE FOR CUTTING SHEET MATERIAL

Joseph R. Morris, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application January 29, 1947, Serial No. 725,022
18 Claims. (Cl. 33—27)



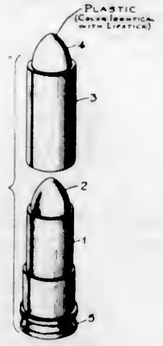
1. In a machine for cutting predetermined shapes from sheets or plates of glass and the like, a support supporting the sheets in a substantially horizontal position and arranged inwardly of the edges of said sheets, a template surrounding said support and having a configuration corresponding to the predetermined shape to be cut from said sheets, and a cutter carriage supported solely upon said template and mounted to travel therealong including cutting tools adapted to engage opposite surfaces of said sheets.

2,595,403

LIPSTICK CASE

Helen Neuschaefer, Rye, N. Y., assignor to A. Sartorius & Co., Inc., New York, N. Y., a corporation of New York

Application May 19, 1948, Serial No. 27,950
2 Claims. (Cl. 40—2)



1. A lipstick case having a tubular container and a tubular cover telescoped over one end thereof, said cover being provided with an external plastic color indicator on the closed end thereof having a shank passing through the cover and upset on the inside thereof to fasten the color indicator and cover together.

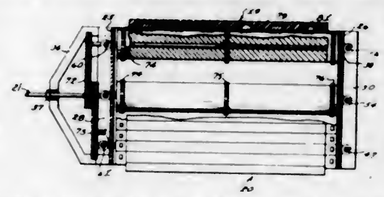
2,595,404

CLOTHES WRINGER

Lilith M. Palo, Sault Ste. Marie, Mich.

Application November 22, 1949, Serial No. 128,871
6 Claims. (Cl. 68—267)

1. A clothes wringer comprising a generally rectangular frame, at least two pairs of opposed rollers mounted in said frame, journal means for said rollers carried by said frame and resiliently forcing the two rollers of each pair of opposed rollers together, two jointed bands trained over said rollers and carried thereby so that each band encompasses one roller of each pair of opposed rollers and said bands are juxtaposed along adjacent portions thereof and resiliently



forced together by the roller journal means, and means carried by said frame and connected to the rollers within at least one of said bands for driving such rollers.

2,595,405

BENZHYDRYL ETHERS OF TROPINES AND THEIR PRODUCTION

Richard F. Phillips, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application February 12, 1949, Serial No. 76,183
11 Claims. (Cl. 260—294.7)

1. In a process for preparing a compound selected from the group which consists of benzohydryl ethers of tropine, benzohydryl ethers of pseudotropine, and their salts, the step that comprises reacting together in an inert organic solvent diphenyldiazomethane and an amino alcohol selected from the group consisting of tropine and pseudotropine.

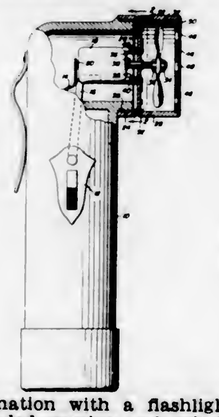
5. A compound selected from the group which consists of benzohydryl ethers of tropine, benzohydryl ethers of pseudotropine, and their salts.

2,595,406

FLASHLIGHT FAN

John E. Popovich, Oakland, Calif.

Application September 9, 1948, Serial No. 48,484
4 Claims. (Cl. 230—259)



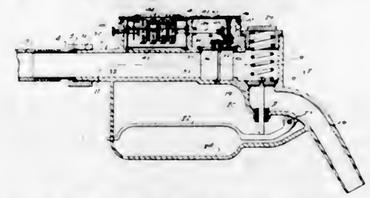
1. In combination with a flashlight housing having a threaded opening and switch contacts, a fan attachment comprising a collar having threads adapted to be detachably secured to the threaded housing opening, a motor, means separating said collar into a motor chamber and a fan blade chamber and attached to said collar supporting said motor in the motor chamber for operative connection with the switch contacts, a fan blade located in the blade chamber and disposed within said collar and drivingly connected with said motor, and said collar having air inlet openings upstream of said air impeller, intermediate the front and back ends of said collar and in the blade chamber.

2,595,407

LIQUID MEASURING NOZZLE

Howard C. Purrier, Bristol, Conn.

Application September 27, 1949, Serial No. 118,062
2 Claims. (Cl. 222—30)



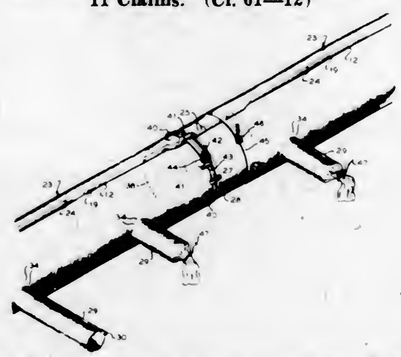
1. A liquid-dispensing nozzle comprising an elongated nozzle body having a liquid passage extending longitudinally therethrough, and a semicylindrical chamber therein at one side of said fluid passage with an opening in the wall thereof at one end of said chamber, a vaned rotor rotatably mounted in said chamber and extending across said liquid passage, a cover closing the opening in said body wall and having an aperture therein, said rotor having a shaft extending through said cover, an elongated receptacle formation extending along said body and being separated from said liquid passage and including said cover, a revolution counter mounted in said receptacle formation and graduated to read in units of liquid measurements, and gear means connecting said rotor shaft to said counter.

2,595,408

FLEXIBLE PIPE

Arthur Eugene Quest, Lubbock, Tex.

Application May 19, 1950, Serial No. 162,921
11 Claims. (Cl. 61—12)



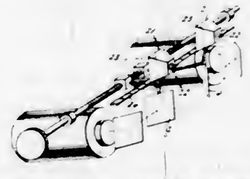
1. In an irrigation system, a plurality of flexible conduit sections each of which is formed from a relatively long preformed strip of substantially impervious flexible material the longitudinal edges of which are overlapped and securely stitched from a point adjacent one extremity thereof to a point adjacent the opposite extremity to provide a longitudinally extending reinforcing rib, said longitudinal edges beyond said rib being securely stitched to provide a substantially flat seam, each of said conduit sections being provided with a plurality of longitudinally spaced apertures, a laterally disposed outlet sleeve positioned in each of said apertures, the exterior diameter of each of said sleeves being such as to provide a relatively snug fit within the associated aperture, said sleeves being formed from preformed lengths of impervious flexible material the longitudinal edges of which are overlapped and securely stitched to provide a longitudinally extending reinforcing rib, with the inner ends of said sleeves securely stitched to the material of said conduit section in surrounding relationship to the aperture to provide a relatively fluid-tight joint, a flexible member engaged with each outlet sleeve intermediate the extremities thereof in surrounding relationship to said sleeve for controlling flow from said conduit through said sleeve, an annular reinforcing edge on one extremity of said conduit section, a plurality of circumferentially spaced loops securely stitched to said conduit section immediately adjacent said reinforcing edge and extending therebeyond, a plurality of circumferentially spaced loops secured to said conduit section adjacent the opposite extremity thereof, and means for connecting adjacent extremities of aligned conduit sections, said means comprising a rigid tubular coupling having one extremity thereof inserted within an extremity of a conduit section a distance beyond the circumferentially spaced loops, the opposite extremity of said coupling being inserted into the reinforced extremity of the successive conduit section a distance where the circumferentially spaced loops on the reinforced edge will be in alignment with the loops on said first mentioned section, a flexible member engaging with said aligned loops for tightening said adjacent conduit extremities upon said coupling, means for securing said flexible member in adjusted position, and a second flexible member engaging said conduit section and coupling.

2,595,409

APPARATUS FOR TAKING STEREOSCOPIC PICTURES WITHOUT ABNORMAL STEREOSCOPIC EFFECTS

Franciscus Henricus Reijnders, Schipluiden, Netherlands

Application February 10, 1947, Serial No. 727,476
In the Netherlands July 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 5, 1961
1 Claim. (Cl. 88—16.6)



In an apparatus for taking stereoscopic pictures of an object, the apparatus having two image receiving surfaces in the same plane; an objective for each image-receiving surface, adjustable, separate, light-transmitting means between the objectives and the object, the optical axes from said light-transmitting means to the object having an angle of convergence of substantially 0.6°, means moving the light-transmitting means towards and away from a plane

through the object and through a point intermediate between the light-transmitting means along a line perpendicular to said plane and maintaining said angle of convergence constant when the light-transmitting means are directed from the first object to another object at a different distance therefrom and directing the light beams through the objectives to the image-receiving surfaces.

2,595,410
MODIFIED CELLULOSE ESTERS
George A. Richter, Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 26, 1949, Serial No. 78,671
7 Claims. (Cl. 18—54)

1. The method of manufacturing shaped articles comprising cellulose acetate characterized by modified solubility in organic solvents and increased softening temperatures which comprises admixing from 2 to 10%, based on the weight of the cellulose acetate, of an aldehyde selected from the group consisting of formaldehyde and glyoxal and from 0.1 to 6%, based on the weight of the cellulose acetate, of an acid-reacting catalyst with a solution of secondary cellulose acetate in acetone, forming the solution into an article of predetermined shape while simultaneously initiating evaporation of the acetone therefrom and chemical reaction between the cellulose acetate and aldehyde, and thereafter simultaneously removing residual acetone from the formed article and completing reaction between the cellulose acetate and aldehyde by exposing the article to air at a temperature not greater than 100° C.

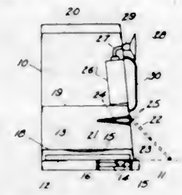
2,595,411
METHOD OF REMOVING OXIDES, OILS, AND GREASE FROM AN UNCOATED METAL ARTICLE
Christian André Maurice Ripoche, Paris, France
Application July 24, 1946, Serial No. 685,950
In France January 8, 1946
1 Claim. (Cl. 134—2)



A method of removing oxides, oils and grease from an uncoated metal article which comprises, applying heat to the external surface only of the article in the presence of an oxidizing atmosphere to oxidize oils and grease adhering to the external surface of the article, removing the article from said heat zone before the article is heated sufficiently to alter its internal metallurgical characteristics, applying heat to the external surface only of the article in a reducing atmosphere to destroy oxides adhering to the external surface of the article, and removing the article from the last heat zone before the article is heated sufficiently to alter its internal metallurgical characteristics.

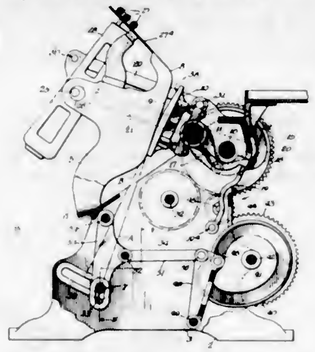
2,595,412
TOILET BOWL BRUSH CABINET
Robert D. Rollie and Ada E. Rollie, St. Paul, Minn.
Application November 8, 1948, Serial No. 58,942
3 Claims. (Cl. 4—68)

1. In a cabinet for a toilet bowl brush, wherein a base is employed having an inwardly projecting supporting structure arranged to rest upon the top edge of a flush tank and a downwardly extending flange over the outside of the flush tank arranged to fit various flush tank dimensions; the combination with said base of spring holding devices, each comprising a leaf spring secured at its mid-point by a clip to the under side of said base in a diagonal position at locations facing each of the front corners



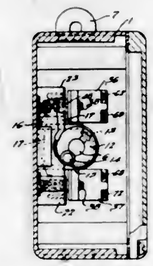
thereof, loops formed at the ends of the spring and vertically adjustable pins encompassed and frictionally held by said loops, said loops and pins engaging the inside of the flush tank and exerting pressure thereagainst endwise in opposite directions and towards the front as directed by the springs, whereby, by reason of the latitude of self adjustment of the springs, the cabinet is symmetrically and firmly positioned on variously sized flush tanks.

2,595,413
CURVED PLATEN PRINTING PRESS
Charles F. Root, Cleveland, Ohio, assignor to The Chandler and Price Company, Cleveland, Ohio, a corporation of Ohio
Application December 23, 1946, Serial No. 717,986
5 Claims. (Cl. 101—297)



1. A platen printing press comprising a main stationary frame and an oscillating frame pivotally mounted on said stationary frame, means for moving said oscillating frame about a pivotal point toward and away from said stationary frame for impression purposes, a curved platen mounted on one of said frames, a type bed mounted on the other of said frames, guide means on said stationary frame to guidingly receive the pivotal point of said oscillating frame permitting said pivotal point to be moved through a predetermined arcuate path during the impression period, and other means including a lever pivotally secured to said stationary frame and having an elongated recessed portion therein loosely receiving said pivotal point and an arm pivotally connected to said lever above the pivotal point of said oscillating frame to move said pivotal point along said arcuate path, said pivotal point having a limited extent of movement in said elongated recessed portion during movement of said pivotal point along said arcuate path, and means to assure engagement of said pivotal point with said recessed portion, whereby a type form on said type bed will roll against the curved surface of said platen in registry therewith.

2,595,414
ELECTRIC SWITCH CONTROL STATION
Carl A. Schaefer, Milwaukee, Wis., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application September 22, 1949, Serial No. 117,188
12 Claims. (Cl. 200—5)



9. In an electrical control station, a pair of switches, rectilinear operating means effecting the switching operation, said switching operation occurring at one position of the rectilinear operating means as said means is moved inward and at a different position of said means as said means is moved outward, a first lever with one cam step for actuating one of said operating means, a second lever having at least a pair of cam steps for operating the other of said operating means, means rotatably mounting said levers in side-by-side relationship so that said one cam step is between said pair of cam steps, an operator, means including an operating handle for selectively positioning said operator along said levers, said operator upon engaging said single cam step effecting a movement of said first lever substantially equal to the movement imparted to said second lever by the operation of said operator upon both of said pair of cam steps.

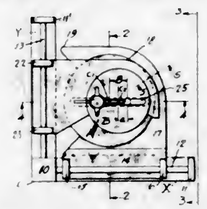
2,595,415
PRODUCTION OF AN ACTIVATED FORM OF ALUMINA
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 29, 1948, Serial No. 51,853
8 Claims. (Cl. 23—142)

1. A process which comprises commingling an alumina containing gamma-aluminum oxide with a carboxylic acid of at least 60% by weight concentration and in an amount corresponding to at least four molecular proportions of acid to alumina, heating the resultant mixture to a temperature of from about 150° C. to about 300° C. under sufficient superatmospheric pressure to maintain a substantial portion of the acid in liquid phase and for a time sufficient to convert said gamma-aluminum oxide to a basic aluminum salt of said acid, and thereafter heating said salt at a temperature of from about 250° C. to about 800° C. for a time sufficient to remove the organic acid radical from said salt and to form a porous alumina.

2,595,416
PRODUCTION OF MODIFIED FORMS OF ALUMINA
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 29, 1948, Serial No. 51,855
15 Claims. (Cl. 23—141)

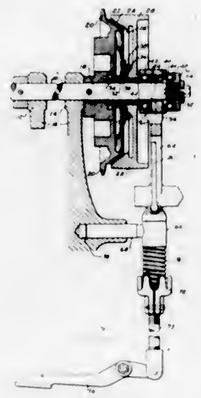
1. A process which comprises commingling an alumina containing gamma-aluminum oxide with a carboxylic acid of at least 60% by weight concentration and in an amount corresponding to at least four molecular proportions of acid to alumina, heating the resultant mixture to a temperature of from about 150° C. to about 300° C. under sufficient superatmospheric pressure to maintain a substantial portion of the acid in liquid phase and for a time sufficient to convert said gamma-aluminum oxide to a basic aluminum salt of said acid, and thereafter converting said basic aluminum salt to alumina.

2,595,417
ELLIPSOGRAPH WITH GUIDE
Walter W. Scott, Denver, Colo.
Application October 7, 1950, Serial No. 188,981
3 Claims. (Cl. 33—31)



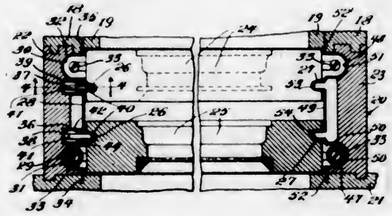
1. In an ellipsograph of the type having two circular disks of different diameters assembled in eccentric superposed relation and held against relative rotation, there being a scriber point positioned in the diameter of greatest eccentricity and so located that its distance from the center of the larger disk is one-half the major axis and its distance from the center of the smaller disk is equal to one-half the length of the minor axis; a device for supporting and guiding the disk assembly for rotation and constraining the two disks to move with their centers in straight right angularly related paths, comprising a member having two right angularly related arms, plates positioned for movement in the plane of the upper surface of each arm, means for attaching the plates to their respective arms for right angular longitudinal rectilinear movement, each plate having an arcuate bearing surface of more than 180 degrees, one of said plates being in a plane below the other, the radius of curvature of the bearing surface in the lower plate being the same as the radius of the larger disk and the radius of curvature of the bearing surface in the upper plate being the same as the radius of the smaller disk, the disks being positioned in their respective bearings, whereby when the disks are clamped in eccentric position and rotated as a unit, the bearing plates will constrain them to move with their centers moving simultaneously in right angularly related paths.

2,595,418
CLUTCH TRIPPING MECHANISM
Thomas H. Seely, Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 28, 1946, Serial No. 680,181
5 Claims. (Cl. 192—93)



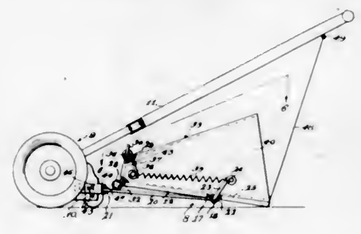
1. In a fastening inserting machine provided with spaced bearings, a drive shaft rotatable in said bearings and having an end portion freely extending beyond one of the bearings, a clutch having a driven member fixed on said end portion and a driving member arranged for axial movement with relation to said end portion into and out of clutching engagement with the driven member, and springs biased to disengage said clutch members; the combination of a clutch shifting mechanism comprising a clutch shifting member for directly acting on the driving clutch member to engage the clutch against the action of the springs, and a support for the clutch shifting member independent of the shaft, said clutch shifting member being arranged on said support for axial movement with relation to the shaft, said support being arranged to absorb thrusts on said shifting member directed transversely of the shaft without transmitting such thrusts to the shaft.

2,595,419
WEATHERPROOFING
Howard A. Smith, Chicago, Ill.
Application December 2, 1949, Serial No. 130,616
2 Claims. (Cl. 20—52.4)



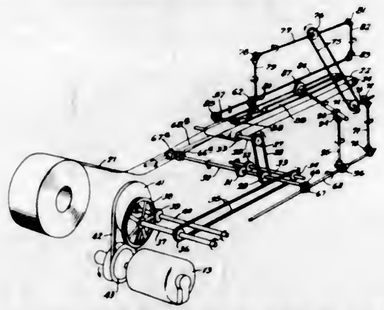
1. In a window construction, a frame, an upper and a lower sash slidably arranged in said frame, there being a vertically-disposed groove arranged in each side of each of said sashes, a flat body member secured to said frame, a pair of spaced parallel U-shaped ribs movably connected to said body member and projecting into the grooves in one side of the sashes, a support member arranged on the other sides of said sashes and connected to said frame, a pair of arcuate projecting portions arranged in said support member and seated in the complemental grooves in said sashes, and resilient means for urging said ribs into the complemental grooves in the other sides of said sashes, outwardly extending flanges integral with each of said ribs, and a pair of inwardly extending shoulders on said body member adapted to overlie and engage the flanges on said ribs for limiting movement of said ribs away from said body member, and said body member and support members are each provided with a pair of spaced parallel elongated arcuate portions for receiving therein sash balance rods.

2,595,420
GRASS CATCHER FOR LAWN MOWERS
Paul J. Smola, Edwardsville, Ill.
Application January 6, 1950, Serial No. 137,126
9 Claims. (Cl. 56—199)



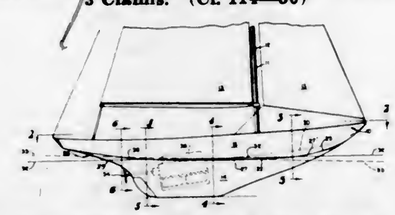
1. A grass catcher for lawn mowers comprising complementary supporting members adapted to be pivotally and detachably supported by the frame of a lawn mower and extending rearwardly therefrom, a grass catcher bottom mounted on said supporting members and pivotally connected thereto near the rear end of the catcher bottom for pivotal movement of the catcher bottom in substantially a vertical plane, a substantially U-shaped bottom frame having forwardly extending legs pivotally connected at their forward ends to the catcher bottom at the forward end thereof, said frame having integral upwardly extending arms projecting from the forward ends of the legs thereof, a substantially U-shaped upper frame having forwardly extending legs pivotally connected at their forward ends to the upper ends of the arms of the lower frame, said upper frame having integral lever members depending from the forward ends of the legs thereof, a fabric wall member supported by said frames and including a bottom edge secured to the lower frame, a top edge secured to said upper frame and restricted end portions secured to the upwardly extending arms of the lower frame, said fabric wall defining the rear and side walls of the grass catcher and extending substantially coextensively with the side edges and rear edge of the catcher bottom, and contractile springs connecting the depending ends of the lever members of the upper frame and rear end portions of said supporting members and which are disposed rearwardly of said levers for normally urging the upper frame to rock upwardly relatively to the lower frame to retain said fabric wall in an extended position.

2,595,421
PLASTIC-SEALING MACHINE
Kenneth F. Spalding, Lodi, N. J., assignor to William F. Stahl, Kenilworth, Ill.
Application April 19, 1950, Serial No. 156,781
2 Claims. (Cl. 154—1.8)



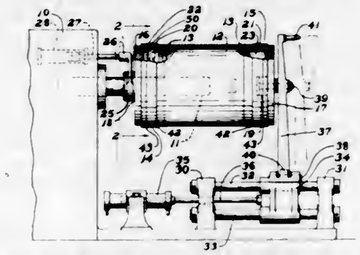
1. In continuous-feed apparatus for making tubes from stretchable plastic sheet stock by guiding the stock around a mandrel to provide lapped edges and forming a continuous seam seal in the lapped edges, the combination of a hollow mandrel provided with movable means mounted therein for continuously advancing the plastic stock by pressing outward on same from within the mandrel, an endless belt mounted for movement below the mandrel adapted to cooperate with said mandrel-contained means by pressing said stock toward the mandrel and urging the same forward during belt movement, a pair of toed-in rollers mounted for pressing on the mandrel on the opposite side thereof from said endless belt, operative when rotated to impart an advancing movement to the plastic stock and at the same time to urge said stock into snug engagement with the mandrel, and driving means for said mandrel-contained means, said endless belt, and said toed-in rollers operative to drive positively all of said elements for advancing said stock over the mandrel while minimizing the creation of internal stresses therein.

2,595,422
MULTIPLE CHINE BOAT HULL
Archie A. Steele, Los Angeles, Calif.
Application December 8, 1945, Serial No. 633,647
3 Claims. (Cl. 114—56)



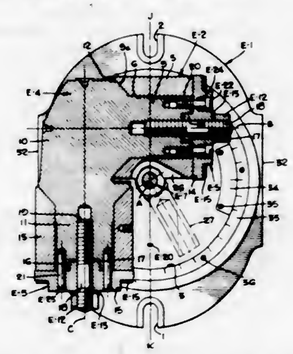
1. In a hull for a sail and power vessel, the combination of: a body having side walls, intermediate portions of which are in parallel relation to the longitudinal center line of the hull; a keel extending down from said body, said keel having a depth at least as great as the depth of the body; main chines on the lateral portions of said body starting at the front end of the body above the water line and dropping below the water line as they extend rearwardly, the portions of said chines which drop below the water line being disposed in planes which are substantially vertical and parallel to the longitudinal axis of the hull; and auxiliary chines on said keel positioned between said main chines and the median vertical plane of the hull and extending rearwardly from a position midpoint of the hull.

2,595,423
TIRE BUILDING APPARATUS
Frank S. Sternad, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 2, 1949, Serial No. 102,829
10 Claims. (Cl. 154—9)



4. Tire-building apparatus comprising a tire-building drum having an annular face for receiving sheet tire materials upon said face and projecting over the end of said drum, an extension positionable in contact with said end of said drum and presenting an annular face substantially flush with said face of said drum for receiving the projecting portion of the materials applied to said drum and extension, said drum having an inwardly turned shoulder for supporting the sheet material formed thereabout, said extension being movable away from said end of said drum and from the projecting material leaving the latter free for working radially inward around said end of said drum about said shoulder, and means on said extension for locating and positioning an annular bead structure for assembly with material on said drum by axial movement of said extension.

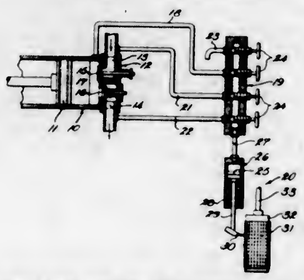
2,595,424
ANGLE COMPUTER AND WORK HOLDER
Aurele A. Studler, Glendale, Calif.
Application August 6, 1945, Serial No. 609,052
6 Claims. (Cl. 90—58)



1. In an angle computer and work holder, the combination of a base adapted to rest on a horizontal supporting face, a pillow block mounted on

said base for rotation on a vertical axis, and having a main bearing member rigid therewith disposed on a horizontal axis offset laterally from said vertical axis, an elbow having a body with a main bearing member projecting therefrom, fitting to said first named bearing member and cooperating therewith to provide a horizontal axis of rotation for the elbow, said elbow having a second bearing member extending therefrom, the axis whereof is disposed in the same plane as the axis of the first named bearing member and at right-angles thereto, a platen having a platen-bearing member on its under side fitting to said last named bearing member and cooperating therewith to form an axis of rotation for the platen, said elbow capable of assuming a position in which the axis of the platen bearing is horizontal, said platen having a true platen face disposed in a horizontal position when the axis of said platen bearing is horizontal, means for clamping up said horizontal bearing and said platen bearing in different angular adjusted positions to enable the platen face to be secured at any compound angle determined by the adjusted clamped-up positions of said bearings.

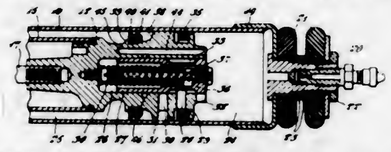
2,595,425
HORSEPOWER INDICATOR
Thomas B. Thomson, Altadena, and Henry A. Curtis, Whittier, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application January 18, 1947, Serial No. 722,918
7 Claims. (Cl. 73—115)



1. In combination with a cylinder and piston mechanism having a cylinder chamber and intake and discharge passages, a manifold, conduits providing separate communication between said manifold and the chamber and each of the passages, valve means selectively controlling said conduits, a pressure recorder connected to said manifold, and means for operating said recorder in timed relation to the piston, whereby by successive operation of said valve means for separate piston cycles there will be obtained a pressure diagram of the cylinder having a record of the passage pressures superimposed thereon.

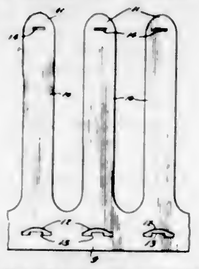
2,595,426
PNEUMATIC SUSPENSION STRUT
Peter Warborn Thornhill, Leamington Spa, England, assignor to Levitation Limited, Leamington Spa, England
Application September 16, 1949, Serial No. 116,157
In Great Britain October 4, 1948
3 Claims. (Cl. 267—64)

1. A pneumatic suspension strut comprising a cylinder, a plunger slidably disposed in said cylinder, a piston head on said plunger dividing said cylinder into a first working chamber and a second working chamber, the second chamber containing a lubricating fluid and the first chamber containing air, passage means in said piston head for permitting air to flow from the first chamber into the second chamber, valve means in said head for controlling the flow of air in said passage means to damp the movements of the strut, means circumposed on the plunger head and selectively engageable between the walls of the



cylinder and the piston head for closing off said passage means, said last means being operative upon excessive extension of the strut, and passage means in said piston head communicating with the second chamber and with the first chamber, said last passage means communicating with the second chamber below said last mentioned means for permitting the flow of the lubricating fluid into the first chamber reactive to the increased air pressure in the second chamber.

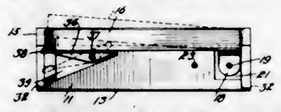
2,595,427
END LOCK FOR RINGS OF MECHANICAL BINDERS
Clarence D. Trussell, Turnwood, N. Y.
Application August 6, 1949, Serial No. 108,903
3 Claims. (Cl. 129—1)



2. A mechanical binding comprising a strip of sheet material rolled into generally tubular formation and having spaced, longitudinally extending slots along one edge portion and spaced, substantially parallel ring forming strips projecting from the opposite edge portion in position to have the free ends of the same enter said slots, said slots being shaped to enforce bending of said ring forming strips to enter the same and companion interlocking elements on the edges of said slots and on the end portions of the ring forming strips located to interlock on restoration of said ring forming strips to normal shape following the bending of the same required to enter said slots, and including projections on the edges of the slots imparting transverse curvature to the ring forming strips and said strips having openings to accommodate said projections.

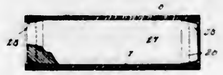
2,595,428
SANDER
Clarence D. Trussell, Turnwood, N. Y.
Application May 4, 1950, Serial No. 159,917
8 Claims. (Cl. 51—187)

5. A sander of the character disclosed, comprising a block having a groove to receive the infolded ends of a sheet of rubbing material wrapped about the block, a clamp bar engageable in said groove over the inturned ends of the rubbing material, and a finger actuated trigger



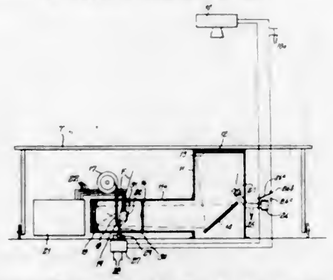
pivoted in said groove beneath said clamp bar in position to lift the clamp bar out of its seated relation in said groove, said pivoted trigger having a projecting finger hold exposed at one end of the block.

2,595,429
HAND SANDER
Clarence D. Trussell, Turnwood, N. Y.
Application August 22, 1950, Serial No. 180,758
2 Claims. (Cl. 51—185)



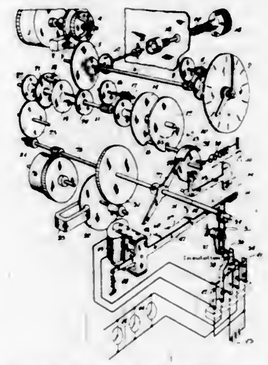
1. A hand sander comprising a tubular holder of substantially rectangular cross section, a sheet of sandpaper wrapped about the same and having projecting end portions tucked into opposite ends of the holder and a filler block slidingly fitting in said holder and having end portions underlying the tucked-in end portions of the sandpaper.

2,595,430
PHOTOFLUOROGRAPHIC APPARATUS
Clifton M. Tuttle, Halesite, N. Y., and Russell H. Morgan, Baltimore, Md.; said Tuttle assignor to Kenyon Instrument Company, Inc., Huntington, N. Y.
Application April 8, 1950, Serial No. 154,794
9 Claims. (Cl. 250—65)



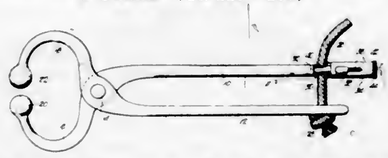
1. A photofluorographic X-ray apparatus comprising a Roentgen tube, a fluorescent screen positioned to receive Roentgen rays from the tube to form a shadowgraph of an object in the path of said rays, a concave reflector having an optical axis, means for directing an image of the shadowgraph along said axis upon the concave reflector, said means including an aspherical corrector lens between the screen and the reflector and through which the image is directed from the screen, a film exposure station on said axis at the focal region of the concave reflector, a conveyor for feeding a photofluorographic film to the exposure station to form a latent image of the shadowgraph on the film, the conveyor including a member engageable with the film to pass the film in a path around said member from the station to a position on said axis located between the station and lens, a film processing head disposed at said position and having an open recess facing said path, said recess being positioned to be closed by a film moving along said path, and means for delivering a processing fluid to said head and recess for developing the image on the film.

2,595,431
ARRANGEMENT FOR SETTING A CLOCK SYSTEM WITH MASTER CLOCK
Philipp Vannini, Zug, Switzerland, assignor to Landis & Gyr A. G., Zug, Switzerland, a body corporate of Switzerland
Application August 31, 1945, Serial No. 613,769
In Switzerland September 19, 1944
7 Claims. (Cl. 58—24)



1. In a master and secondary clock system, first driving means for driving the master clock, impulsing means for the secondary clocks second driving means for actuating said impulsing means, and control means interconnecting said driving means periodically locking and unlocking said second driving means in response to momentary advances of said first driving means and unlocking said second driving means for continuous operation through a greater than momentary period when the master clock is re-set through a greater than momentary period said control means including a pair of notched discs geared to rotate at different speeds, a differential interconnecting said discs and said first and second driving means, a cylindrical segment rotatably driven by said discs to lock and unlock said second driving means, and a coupling pin on said segment engageable with said discs.

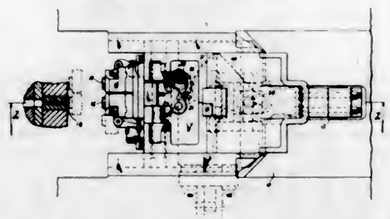
2,595,432
BULL LEAD WITH QUICK RELEASE
Delbert O. Wendt, Bonner Springs, Kans.
Application February 28, 1949, Serial No. 78,790
1 Claim. (Cl. 119—154)



In a device having a pair of elongated handles pivotally interconnected for swinging movement toward and away from each other, quickly re-

leasable structure for holding the handles against movement away from each other, said structure comprising a snap hook on one end of one of said handles and including an open top recess formed in said one handle, a lip on the one handle, a tube integral with the one handle and spaced from said lip, a gate reciprocable in the tube on the longitudinal axis of the one handle and having a portion normally closing the recess, a spring in the tube for yieldably holding the gate closed; a rope, the other of said handles having a hole therein, said rope passing through the hole and the recess and having a knot normally bearing against said other handle, said portion of the gate being frusto-conical and having the apex end thereof normally bearing against said lip whereby, as the rope is pulled to move the handles toward each other, it is wedged progressively tighter in the recess against said portion of the gate adjacent the base end of said portion; and a finger-piece on the gate for moving the latter against the action of said spring to an open position for releasing the rope from the recess and thereby releasing the handles.

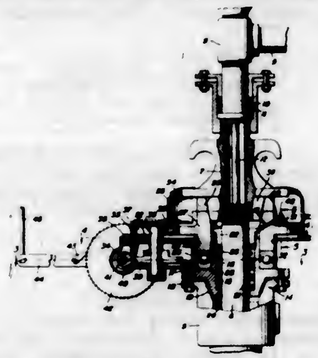
2,595,433
SHAFT DRIVING MECHANISM FOR HEADERS OR LIKE MACHINES
Richard L. Wilcox and Herbert L. Hoyt, Waterbury, Conn., assignors to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut
Application June 18, 1947, Serial No. 755,440
6 Claims. (Cl. 10—12.5)



1. In a header or like machine, a frame, an element reciprocably mounted thereon, a tool carrier slidably mounted on said element to move in a direction transverse to the movement of the element, a shaft rockably mounted in the element and connected to the carrier to move the same, a reciprocating member mounted on the frame to move in a direction parallel to said carrier, means on the frame connected to said member to reciprocate the same in timed relation with the reciprocation of said element, and means connecting said member with said shaft to rock the same, said last-named means comprising a sector gear rockably mounted on the element and connected with said shaft.

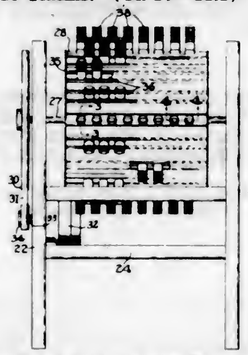
2,595,434
TUBING ROTATOR
William W. Williams, Mexia, Tex., assignor to Mexia Tubing Rotator Company, Mexia, Tex.
Application June 27, 1949, Serial No. 101,550
7 Claims. (Cl. 166—14)

1. In an oil well tubing rotator, the combination of a stationary casing head, a stationary discharge fitting, a tubing holder rotatably connected to the discharge fitting and extending downwardly therefrom, said tubing holder being adapted for attaching the upper end of a tubing thereto to extend downwardly through the casing head, a hollow casting surrounding the tubing



and rotatably supported on top of the casing head, and in frictional driving relation with the tubing holder, and driving means for the casting.

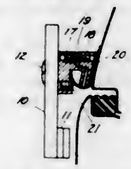
2,595,435
POULTRY PLUCKING MECHANISM
Robert F. Wolfinger, Delaware, Ohio, assignor, by direct and mesne assignments, to Warren H. F. Schmieding, Columbus, Ohio
Application May 26, 1944, Serial No. 537,483
18 Claims. (Cl. 17—11.1)



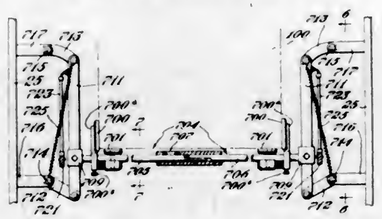
1. In a poultry plucking machine of the type having a power driven rotor, a plurality of circumferentially spaced flexible fingers projecting from said rotor, each of said fingers comprising a resilient body having a portion with a substantially oval cross section, the major axis of the oval of said cross section extending parallel to the axis of rotation of said rotor.

2,595,436
AUTOMOBILE DOOR SAFETY LATCH
Subrey Abdallah and Florence A. Abdallah, Minneapolis, Minn.
Application January 26, 1949, Serial No. 72,884
1 Claim. (Cl. 292—204)

An automobile door safety latch comprising a latching member pivotally mounted on a body attaching member in proximity of an edge of a door, said latching member being manually operable and having a greater elongation at one end adapted to engage exterior of a door a resilient pad secured to said end arranged for contact with said door, said latching member having a plurality of hemispherical recesses located on an arc of a circle concentric with its pivotal mounting on the side facing of said body attaching member said body attaching member having a face contacting said latching member, a bore into the said contacting face of said body attaching member, a spring loaded ball in said bore acting against the surface of said latching member and adapted to engage said hemispherical recesses in said latching member in defining active and neutral positions of said latching member, said body attaching member having an angular extension grippingly engaging within a drain channel of an automobile body, said angular extension being of split construction and expansible within said drain channel by a plurality of floating screw threaded elements joining said split construction, and a plurality of screw threaded elements in said body attaching member engaging said drain channel on the outside co-acting with said angular extension in a firm engagement with said drain channel.

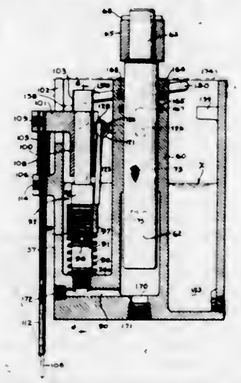


2,595,437
SHEET JOGGING MECHANISM FOR PRINTING PRESSES
Roy F. Aberle, Portland, Maine, assignor to Southworth Machine Company, Portland, Maine, a corporation of Maine
Original application September 20, 1946, Serial No. 698,252. Divided and this application April 9, 1948, Serial No. 20,084. In Canada September 18, 1947
4 Claims. (Cl. 271—89)



1. In combination with a frame including a support for receiving a stack of sheets, sheet-aligning mechanism comprising spaced pairs of arms at opposite sides of the support, each arm of each pair being pivotally fast at one end to the frame above the support, with their opposite ends extending inwardly substantially horizontally toward the sheet support, a bar pivotally fastened at each end to the inner ends of each pair of arms so as to be parallel to the opposite sides of the sheet support, an extensible rod connected at its opposite ends to said bars intermediate their ends so as to extend transversely of the sheet support, sheet-engaging side abutments fast to the extensible rod, sheet-engaging end abutments mounted on the sheet-engaging side abutments, yieldable means connected to said arms for swinging said pair at one side angularly away from the pair at the other side to effect concomitant separation of the bars and longitudinal movement thereof in one direction, said compound movement retracting the sheet-engaging abutments from the end and sides of the pile of sheets on the support, and power operated means connected to each of said bars for swinging the pairs of arms toward each other to effect concomitant approach of the bars and longitudinal movement thereof in the opposite direction, said latter compound movement advancing the sheet-engaging abutments into engagement with the end and sides of the pile of sheets on the support.

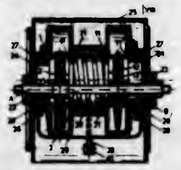
2,595,438
PAPER DRILLING MACHINE OR THE LIKE
Joseph Adrian, Cleveland, Ohio, assignor to Super Speed Printing Machinery, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 30, 1948, Serial No. 52,019
9 Claims. (Cl. 60—52)



1. In a machine of the class described, characterized by an assembly comprising a base, a work supporting table, and guide means fixed to the base and rising therefrom a substantial distance above the plane of the table; a head sustained by said guide means above the table for movement toward and from the latter, biasing means for elevating the head and tending to retain the head in elevated position, power means incorporated in the head for depressing the head and including a piston and a cylinder of which one is connected to said guide means and the other to the head, the cylinder having an open end through which the piston extends and the piston having a single working face exposed to the interior of the cylinder, a pump also included in said power means for delivering fluid pressure to said cylinder, means operable at will for controlling the delivery of said fluid, a prime mover mounted on the head that is in continual operation while the machine is in use, and constantly effective driving connections between the prime mover and the pump.

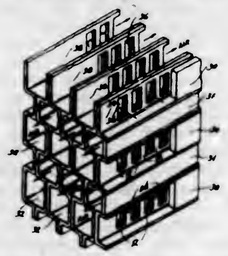
9. In a machine of the class described, a base, a work supporting table, guide means rising from the base a substantial distance above the plane of the table, a head sustained by said guide means for movement toward and from the table, power means incorporated in the head for moving the latter, an actuator carried by the head for controlling the operation of said power means, an operating member located in a given position relative to the base, and constantly effective operative connections between said operating member and the actuator that yield to the relative movement between the head and base.

2,595,439
VARIABLE-SPEED TRANSMISSION MECHANISM
Achille Arato, Turin, Italy
Application October 1, 1949, Serial No. 119,025
In Italy October 16, 1948
1 Claim. (Cl. 74—199)



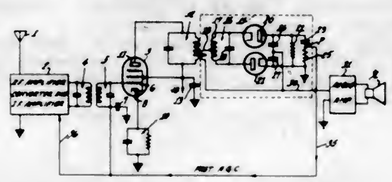
In a variable speed transmission mechanism a casing, a driving shaft and a driven shaft coaxial with the driving shaft, both of said shafts being rotatably mounted in said casing, a first variable friction transmitting means and a second variable friction transmitting means positioned inside the casing, the first variable friction transmitting means comprising a disc having radial externally slightly-tapered concave surfaces forming one element of the first variable friction transmitting unit fixed to the driving shaft and a beaded element having annular beads in frictional contact with said surfaces, the said second variable friction transmitting means comprising a disc having radial externally slightly-tapered convex surfaces forming one element of the second variable friction transmitting means fixed to the driven shaft and a beaded element having annular beads in frictional contact with said surfaces, the driving shaft being hollow and extending coaxially over the driven shaft, which extends through the device throughout its length, the annular beads of said beaded elements forming the other elements of the variable friction transmitting means cooperating on opposed sides with the slightly tapered surfaces of said two discs being carried by a drum which surrounds said discs and is adapted to be displaced radially with respect to the driving and driven shaft, elastic means for constantly urging the elements of each variable friction transmitting means together, and means for varying the ratios of the circles along which contact between the said conical surfaces and said beaded elements takes place whereby to vary the ratio of the mechanism.

2,595,440
HEAT EXCHANGER MADE FROM PUNCHED PLATES
William W. Austin, Wellsville, N. Y., assignor to The Air Preheater Corporation, New York, N. Y.
Application July 8, 1950, Serial No. 172,650
1 Claim. (Cl. 257—245)



A heat exchange envelope of the type having spaced walls defining a passage for circulation of one fluid in heat exchange relationship with another fluid flowing in contact with the outer surfaces of said walls comprising; a plurality of metallic strips each punched with a row of closely spaced perforations and centrally dished or bent along lines paralleling the axis of said row of perforations and closely adjacent the latter to form a pair of lateral flanges along each edge of the strip spaced from the body thereof by substantially perpendicular shoulders, said strips being mounted in pairs back to back with the central dished portions bordering the rows of perforations in contact and bonded together and a plurality of joined pair components being mounted in abutment in a row with the outer faces of their lateral flanges bonded together to form an envelope having a central passage with the strip ligaments between the perforations constituting pin-like fins extending from the passage walls constituted by said shoulders of the dished portions of the strips and with the lateral flanges of the strips constituting longitudinal fins on the outer faces of the passage walls for contact with the other fluid; and means at the sides of said envelope bridging the spaces between the walls formed by abutment of said components for closing the envelope at its side edges.

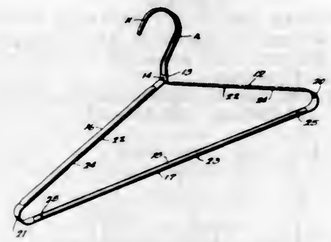
2,595,441
ANGLE MODULATED CARRIER WAVE RECEIVER
Jack Avins, Staten Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1948, Serial No. 11,415
6 Claims. (Cl. 250—20)



4. In an angle-modulated carrier-wave receiver, a carrier-wave transmission channel including at least one carrier-wave amplifier, a ratio detector including a frequency-discriminator network coupled to said channel, and having a pair of terminals, for deriving between said terminals and a reference point a pair of phase opposed signal voltages whose relative magnitudes are dependent upon the angular modulatidn of the wave, a conductive impedance element included in said network and interconnecting said terminals, two rectifiers, each having a cathode and anode, the cathode of one and the anode of the other one of said rectifiers being coupled to said terminals, a first resistor connected between the anode of said one and the cathode of said other one of said rectifiers to form a direct current path therewith, a first condenser of low impedance to angle modulation-frequency currents connected in parallel to said first resistor, said first resistor and said first condenser having a time constant which is long compared to a cycle of said angle modulation frequency, a second load condenser of high impedance to angle modulation-frequency currents connected between said reference point and the output of one of said rectifiers, and a second resistor connected in series with said first condenser and one of said rectifiers, said first condenser and said second resistor

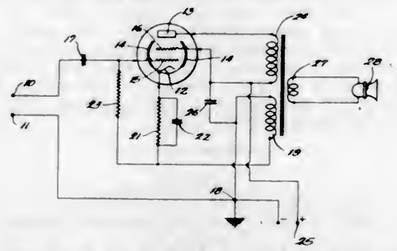
shunting said first resistor, a negative feedback circuit connected effectively across said second resistor and responsive to instantaneous undesired variations in the amplitude of the carrier wave, said feedback circuit being connected to said amplifier to control the gain of said amplifier inversely with instantaneous variations in the amplitude of the carrier wave, and a further output circuit coupled to said second load condenser for deriving the demodulated signal voltage.

2,595,442
CLOTHES HANGER
James F. Barnes, Chicago, Ill.
Application June 30, 1949, Serial No. 102,391
5 Claims. (Cl. 223—88)



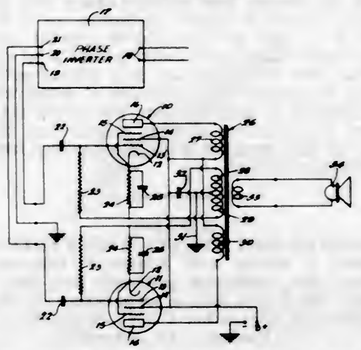
1. A hanger comprising a flat metal body having one end thereof shaped in the form of a hook and being provided with ribs extending longitudinally thereof, said ribs being interrupted to form a pair of relatively short shoulder ribs and a relatively long cross bar rib, said cross bar rib being spaced from said shoulder ribs by arcuate portions, and a head integrally connected to one end of said flat body engaging a slot in said flat body adjacent the hook, said head being disengageable from said slot upon untwisting the adjacent integral end of said flat body about a generally longitudinal axis thereof.

2,595,443
HIGH FIDELITY AMPLIFIER
Harry W. Becker, Chicago, Ill.
Application March 14, 1946, Serial No. 654,318
8 Claims. (Cl. 179—171)



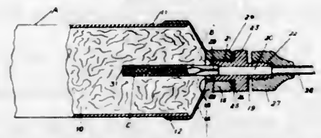
4. The combination in an amplifier for a source of signals of a beam power type electron tube having cathode, anode, and control electrodes and a screen electrode, a transformer having a pair of magnetically linked windings, a source of unidirectional E. M. F., means connecting said source of signals, one of said windings and the cathode-control electrode space path of said tube in series, means connecting said one winding, and the cathode screen-electrode space path of said tube in series, means connecting said source of unidirectional E. M. F., said other winding, and the cathode-anode space path of said tube in series, said windings being arranged in series aiding relationship, a dynamic type loud speaker operatively connected to said transformer, and means defining a conductive current path from the control electrode to the cathode.

2,595,444
AMPLIFIER
Harry W. Becker, Chicago, Ill.
Application June 26, 1946, Serial No. 679,345
4 Claims. (Cl. 179—171)



1. An amplifier comprising a pair of electron discharge devices each having cathode, anode, control electrode and an additional electrode, a transformer having four windings, signal input means to impress signal voltages in an inverse phase relationship on the control electrodes of said devices, respectively, means connecting two of said windings to said cathodes respectively and defining cathode follower circuits including the cathodes, control electrodes, and auxiliary electrodes, means connecting the other two windings to the anodes of said devices respectively to define conventional amplifier circuits in conjunction therewith, the two windings connected to each device being arranged in series aiding relationship and the corresponding windings for the respective devices being opposed, and means defining a conductive current path directly from the cathode of each of said devices to the control electrode thereof.

2,595,445
DEHYDRATOR STRUCTURE
Edward W. Bottum, Detroit, Mich.
Application December 23, 1946, Serial No. 718,008
2 Claims. (Cl. 210—131)



1. Refrigerating apparatus comprising a dehydrator located in the refrigerant circulating system, said dehydrator comprising an elongated casing having inlet and outlet openings at opposite ends thereof, an elongated tubular foraminous member disposed axially within said casing, said member having an open end in communication with said inlet opening and a closed

end of foraminous material opposite its open end, the length of said member being substantially less than the length of said casing so that the closed end of said member is spaced substantially from the outlet end of said casing, the diameter of said member being substantially less than the diameter of said casing so that the sides of said member are spaced substantially from the sides of said casing, a helically twisted flat deflector strip in said member having a width substantially equal to the diameter of said member and extending substantially from end to end thereof, the deflector strip having concave-convex embossments disposed along the edge thereof to break up smooth flow of fluid along said strip to thereby increase lateral deflection of fluid, the interior of said member being free of obstructions other than said deflector strip to provide for free flow of refrigerant in a helical path providing for centrifugal deflection of some refrigerant laterally of said member, the entire space between the interior of said casing and the exterior of said member being filled with a moisture absorbing material.

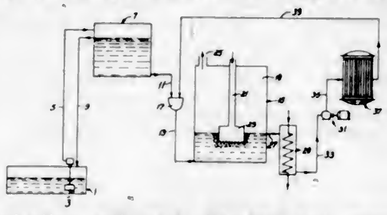
2,595,446
VALVED BAG AND ITS MANUFACTURE
Charles V. Brady and August F. Ottinger, St. Louis, Mo., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application September 4, 1948, Serial No. 47,908
17 Claims. (Cl. 229—62.5)



1. The method of making a valved bag comprising folding a rectangular blank along a side fold line to form rectangular front and back walls joined at said side fold line and having top edges, unfolding the top edge of one wall from the top edge of the other wall along a second fold line to form a triangular valve flap, said second fold line bisecting the triangle, oppositely in-folding on third fold lines the unfolded edges of said walls so that said edges are adjacent to said bisecting fold line, refolding the unfolded bag wall along the second bisecting fold line to enclose the in-folded edges between the front and back walls, and applying a closure to the resulting adjacent third fold lines.

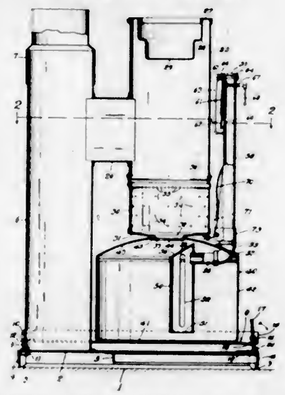
2,595,447
METHOD OF VAPORIZING AND BURNING SULFUR
Richard T. Braun, Port Arthur, Tex., assignor, by mesne assignments, to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia
Application November 12, 1948, Serial No. 59,691
6 Claims. (Cl. 23—179)

1. The method of vaporizing and burning sulfur comprising bubbling air into an upper portion of a mass of molten sulfur in a volatilization chamber, continuously removing gaseous effluent comprising vapor phase sulfur and sulfur dioxide therefrom, said air aiding in the carrying of impurities in said sulfur mass to the surface thereof, continuously removing a portion of said molten sulfur from the surface of said sulfur mass, purifying said portion out of gaseous com-



munication with said chamber, and returning said purified portion to said molten sulfur mass.

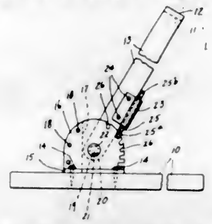
2,595,448
PORTABLE MILITARY BURNER UNIT
James L. Breese, Santa Fe, N. Mex., assignor to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application July 23, 1949, Serial No. 106,428
3 Claims. (Cl. 126—94)



1. In a stove, a base, a mixing and combustion member supported by said base, said member having a bottom inlet, a flue therefor mounted on said base, to which said mixing and combustion member is connected, a generator tank removably supported on said base and having a top outlet alignable with the bottom inlet of the mixing and combustion member, and means for moving the generator tank toward and away from a position in relation to the mixing and combustion member in which the inlet of the mixing and combustion member is snugly engaged with the outlet of the generator tank.

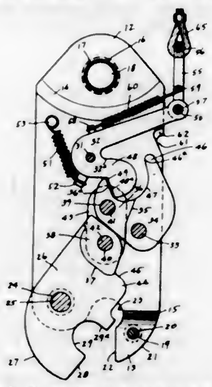
2,595,449
BED COVER SUPPORT
Fredrick W. Coffing and George H. Brown, Danville, Ill.
Application May 31, 1945, Serial No. 596,824
2 Claims. (Cl. 5—319)

1. In a portable, collapsible and adjustable self sustaining bed cover supporting structure having a pair of spaced elongated base members each of substantial width and of a length several times that of the width and relatively independent of each other, and an inverted U-shaped element having arms directed towards said members and constituting substantially the sole connection therebetween, the combination of an arcuate rack projecting upwardly from each base member, a pivot coaxial with the center of the rack, each arm adjacent the base member having an aperture formed at the end for seating said pivot and means projecting laterally of the arm in juxtaposition to the rack and operatively associated therewith for securing the arm in adjusted angularity to the plane of the base member, each arcuate rack comprising a pair of



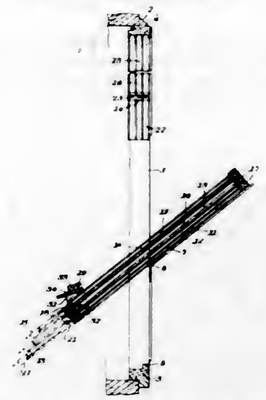
spaced side plates, the peripheries thereof having arcuately spaced notches formed therein, the notches of one plate being in alignment with the notches of the other plate of each rack, the means projecting laterally of the arm comprising a tongue having lateral projections of a size adapted to be seated within said notches, said tongue being slidably supported on said arm.

2,595,450
RELEASING TYPE HOOK
Fredrick W. Coffing, Danville, Ill., assignor to Coffing Hoist Company, Danville, Ill., a corporation
Application November 21, 1949, Serial No. 128,512
16 Claims. (Cl. 294—83)



1. In a hook structure a stationary jaw, a second jaw effectively L-shaped in outline, the two jaws having engagement when the hook is closed, a housing in which the second jaw is pivoted near one end and to one side thereof opposite the fixed jaw carried by said housing, a bell crank lever pivoted intermediate the housing ends and to one side of the stationary jaw, a second bell crank lever pivoted in said housing remote from the second jaw and first lever pivotal axis and between the same, link means connecting the second jaw and first lever together, the two levers being oppositely disposed and each having the arms thereof disposed at acute angles to one another with adjacent ends having cam faces operatively interengaging and relatively movable for cam action therebetween to open the hook, and spring means normally constraining the second lever to hook closed position.

2,595,451
WINDOW CONSTRUCTION
Guy O. Conner, Cleveland Heights, Ohio, assignor to Diamond Building Products Corporation, Pittsburgh, Pa.
Application May 29, 1946, Serial No. 672,955
3 Claims. (Cl. 20—45)



1. Structure of the class described comprising a stationary main frame, guide means on said main frame adjacent one end only, an auxiliary frame movably carried by said main frame at the end opposite said guide means, guide means on said auxiliary frame, said auxiliary frame normally being positioned so that the guide means on the auxiliary frame and on the main frame form a continuous guide, said auxiliary frame being movable to a position wherein the auxiliary frame is at an angle oblique to said main frame, at least one sash movably disposed in said frames and normally movable from one set of guide means to the other without obstruction, and end closure means movably attached to the end of said auxiliary frame opposite the juncture of said guide means on the auxiliary and main frames, said closure means being normally held in a closed position by said main frame when said guide means are aligned but being movable to an open position to allow removal of said sash when said auxiliray frame is at an angle to said main frame.

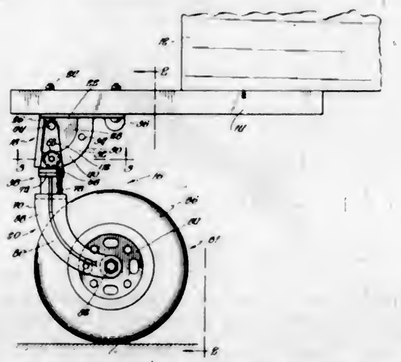
2,595,452
ELECTRICAL PREFORMED FLOOR DUCT
Alex M. Geist and Rex R. Winders, Lincoln, Nebr.
Application March 22, 1947, Serial No. 736,559
1 Claim. (Cl. 174—95)



In a duct for electrical conductors, an elongated member of uniform cross section throughout its length and formed from a rubber-like material, said member having a transversely rounded upper surface and a generally flat bottom surface so as to afford a relatively thick central portion and relatively thin longitudinal edges, said member having a continuous passage formed longitudinally through said member in the relatively thick central portion thereof, said member having an opening formed through said upper surface and

into said passage, a riser fitting having a tubular member formed from a rubber-like material and having a thin base member formed from a rubber-like material, said base member being adhesively secured to said rounded surface with said tubular member aligned with said opening.

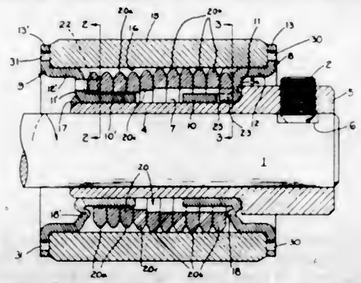
2,595,453
STAND AND DOLLY FOR TRAILER TONGUES
John L. Gilmore, Kansas City, Mo.
Application April 9, 1949, Serial No. 86,465
3 Claims. (Cl. 280—33.4)



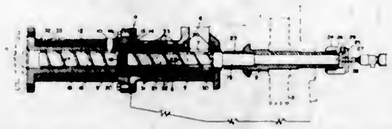
1. In an article of the character disclosed, a mounting bracket adapted to be mounted on the under surface of a trailer tongue, a supporting member pivoted on said bracket and swingable on a horizontal axis to a lowered position for engaging the ground and to an upper position, said supporting member having a ground engaging wheel, the lower portion of said supporting member being rotatable on an axis extending longitudinally of the supporting member, a pair of downwardly extending projections on said bracket and thereby below said trailer tongue, said projections being spaced apart on a line extending substantially in the direction of the axis of said supporting member, a radially extending rib on said rotatable portion, said rib extending in a direction substantially parallel with the axis of said wheel, said rib being insertable between said projections when said supporting member is raised to said upper position, and means for locking said supporting member in said upper position, said projections and rib, when in interengaging position, being effective for locking said rotatable portion against rotation.

2,595,454
TORQUE LIMITING CLUTCH MECHANISM
Harry R. Greenlee, Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 26, 1947, Serial No. 794,032
2 Claims. (Cl. 64—30)

2. A torque-limiting clutch comprising: a torque-transmitting member, two collars in telescoping relation thereto, having, respectively, a neck portion, relatively enlarged diameter portion and a contiguous flange portion, said portions being positioned oppositely of each other, a torque-transmitting drum surrounding said member and the collars, journalled for rotation on the enlarged diameter portions of the collars and restrained against axial movement by the flange portions thereof, a clutch spring surrounding the neck portions of the collars, the spring having clutching coils at one end normally in frictional contact with the drum and torque sensitive coils at the other end radially spaced from the drum, one of the collars having a torque-transmitting connection with the torsion-coil-containing end of the spring operative to maintain the clutching coils expanded against the drum during normal load drive and the other collar having a spring-deenergizing, coil contracting connection with a terminal one of the clutching coils operative in an angularly displaced relative position of said torque-transmitting member and drum to limit the torque transmissible by the clutch.



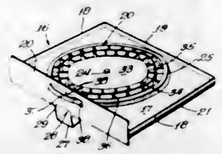
2,595,455
EXTRUDER
Eugene E. Heston, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application March 7, 1950, Serial No. 148,235
9 Claims. (Cl. 18—12)



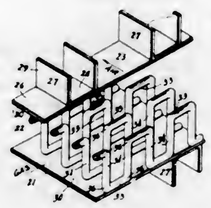
1. An extruder comprising a cylinder having a feed opening at one end for the introduction of material to be extruded from the other end thereof, a feed screw rotatable in said cylinder and adapted when rotated to advance and to condition the material for extrusion, and flow control means between the ends of said screw impeding free flow of material along said cylinder and screw and thereby building up a back pressure on the material in advance of said flow control means, said flow control means comprising opposed tapered surfaces on said screw and in said cylinder, said cylinder and said screw, in advance of said flow control means, being of smaller diameter than beyond said flow control means and such tapered surfaces joining the large and small diameter portions of said cylinder and screw respectively.

2,595,456
COMBINATION DRIP TRAY AND ICE CUBE STORAGE AND DISPENSING DEVICE
Lester H. Hinkel, Evansville, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application November 17, 1950, Serial No. 196,308
6 Claims. (Cl. 62—103)

1. A drawer-like device of the class described, comprising: a container having a bottom with upstanding side, end and front walls secured thereto and having the top open; the front wall of said container being fashioned with an opening therein; a circumferentially extending shelf within said container; said shelf being fashioned with an opening therethrough which is arranged to register with said front wall opening to provide a chute-like passage from the inside to the outside of said container; a circular grid member pivotally mounted in said container in spaced relation to said shelf; said grid member being fashioned so as to provide a plurality of open-ended cells adaptable for receiving individual ice cubes therein; and having said grid member disposed so that each cell therein may be rotatably brought into registration with the opening in said shelf whereby an ice cube positioned in the cell may be released and discharged through said opening.



2,595,457
PIN FIN HEAT EXCHANGER
Sven Holm and Arthur Jensen, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.
Application June 3, 1947, Serial No. 752,008
9 Claims. (Cl. 257—245)



1. In a heat exchanger having metallic plates spaced apart as walls of a fluid passage; heat exchange elements mounted in spaced parallel relation in said passage each consisting of an individual continuous metallic wire of uniform cross-section bent to substantially sinusoidal form to provide a plurality of U-shaped loops therein with leg portions extending back and forth in upright relation between said walls with intervening stretcher or yoke portions that connect leg portions of said U-loops that are contiguous along the axis of each wire approximating in length half the height of said legs and contacting both of said plates over their length and being disposed in alinement in substantially the general direction of gas flow through said passage; and good heat transfer bonds between the yoke portions of the loops in each wire element and said plates whereby said pin-like portions constitute extended surface projecting therefrom into the path of fluid flowing in said passage.

2,595,458
DRAFTSMAN'S AND MECHANIC'S INSTRUMENT
Fred P. Hopfeld, Elmwood Park, Ill., assignor to Grand Specialties Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1949, Serial No. 87,025
2 Claims. (Cl. 33—107)



1. In an instrument of the class described comprising a plate or the like having a plurality of dimensions afforded on one face thereof, a groove formed in said one face of said plate to afford a representation of the extent of each such dimension respectively and associated with such dimensions, and an indentation in the bottom of each groove along the extent thereof for indicating the radius of a circle of a diameter equal to the particular dimension.

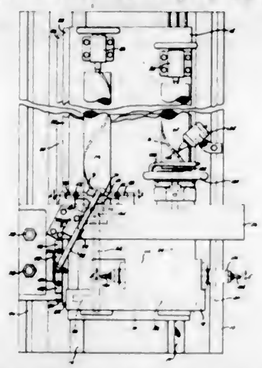
2,595,459
RECOVERY OF PROTEIN FROM WHEY
Maurice E. Hull, La Grange, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 16, 1950, Serial No. 144,573
4 Claims. (Cl. 260—122)

1. In a process for recovering protein from whey, the steps of adjusting the pH of the whey to an acidity of 0.06 to 0.0%, heating the whey to about 180° to 212° F., agitating the mixture, and adjusting the pH to about 4.1–4.5 to coalesce the protein, and separating the whey from the protein.

2,595,460
METHOD AND APPARATUS FOR GENERATING HELICAL GROOVES
Joseph Jabour, Detroit, Mich.
Application March 24, 1948, Serial No. 16,657
8 Claims. (Cl. 51—95)

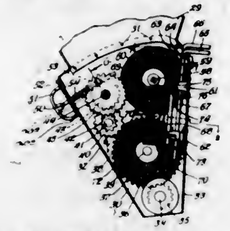
1. A machine for forming a helical surface on a workpiece wherein a tool is in contact with the workpiece including in combination, means for advancing a workpiece and a master axially relative to the tool, a connection between the master and workpiece whereby rotation of one causes rotation of the other said master having a helical groove in its outer periphery which is substantially V-shaped in cross section, a follower in contact with a side wall of the helix in the master for producing rotation of said master and workpiece by axial movement of said master and

workpiece relative to said follower, and means for moving said follower radially of the groove at a



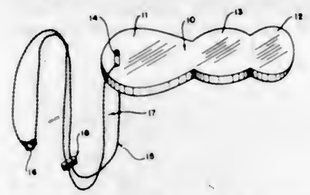
constant rate during relative longitudinal movement of said master and said workpiece.

2,595,461
SPEED CHANGE GEARING FOR GRAIN DRILLS
Howell N. James, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application November 22, 1946, Serial No. 711,735
2 Claims. (Cl. 74—354)



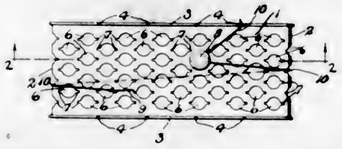
1. In drive mechanism for a wheeled grain drill or the like wherein a combination seed and fertilizer box is provided at its ends with a depending supporting plate and seed and fertilizer drive shafts, a stub axle extending through the lower portion of each said plate, a wheel on the outer end of said axle and a gear on the inner end thereof, means rotatably supporting an end of the seed and fertilizer drive shafts in said plate, gears carried on said shafts for transmitting drive thereto, the gear on the seed shaft being disk shaped and having concentric rows of teeth thereon, and means for transmitting drive from the axle gear to the seed and fertilizer shaft gears including a second disk gear carried on the plate having peripheral teeth engageable with the axle gear to be driven thereby and with the fertilizer shaft to transmit drive thereto, a spindle adajacent the disk gears perpendicular to the axes thereof, a pair of pinions on the spindle engageable with the respective disk gears for transmitting drive at variable speed from the wheel axle to the seed plate shaft, means for mounting the spindle on the plate for swinging movement thereof bodily toward and away from the disk gears, and means for independently sliding the pinions on the spindle to vary the speeds of the seed and fertilizer shafts.

2,595,462
SANITARY AND SAFE BABY TEETHING DEVICE
Anna B. Johnson, Colorado Springs, Colo.
Application August 5, 1950, Serial No. 177,897
3 Claims. (Cl. 128—359)



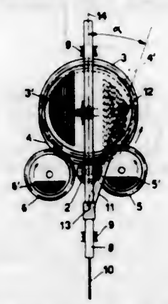
1. A sanitary and safe teething device for infants comprising a relatively flat one-piece body formed from non-metallic material, such as plastic or the like having a smooth surface throughout its entire exposed area, said body being of substantially the same thickness throughout its entire area but being somewhat wider at its inner end portion than at its outer mouth-entering end portion, said inner end portion having an enlarged opening formed therein, a quick-detachable bead-like chain extending freely through the opening and having a releasable fastening clasp thereon, and a removable slide fastener grippingly engaging both stretches of said bead-like chain and adapted to be moved thereon for providing a wrist-engaging and encircling loop of variable size in said chain located adjacent said relatively flat one-piece body and remote from said releasable fastening clasp whereby to suspend the teething device from the arm of the infant in the vicinity of the wrist and maintain it in a convenient and comfortable position to be placed in the infant's mouth.

2,595,463
FISHLINE LEADER HOLDER
John Kamps, Holland, Mich.
Application May 22, 1950, Serial No. 163,548
1 Claim. (Cl. 93—57.5)



A structure as described comprising, a hollow body having elongated, flat, spaced, generally parallel sides, integrally connected by curved ends and at opposite sides having parallel spaced integral closures to the body, said sides and ends having a plurality of openings therein into any of which a fishhook may be inserted and engaged, the pointed end of the look being within the body, said sides having additional larger openings, circular in outline, spaced from each other, a plug insertable into a selected larger opening frictionally engaging the sides thereof and extending into the space between the sides of the body, said plug having a head larger than said larger openings at the outer side of the body, around which plug a leader or line attached to a fishhook is adapted to be turned, and means on said closures with which the terminal end portions of fish lines or leaders are adapted to releasably connect and be held thereby.

2,595,464
BALANCED MOTION CONVERTING MECHANISM
Albert Kaufmann, Zuchwil, Switzerland, assignor to Scintilla Aktien-Gesellschaft, Solothurn, Switzerland, a joint-stock company of Switzerland
Application March 13, 1950, Serial No. 149,389
In Switzerland March 29, 1949
8 Claims. (Cl. 74—44)

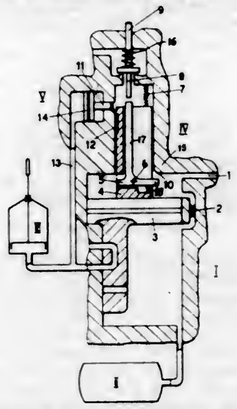


1. Means for converting in a power-driven hand tool high speed rotary motion into vibrationless high-frequency reciprocatory motion, comprising in combination, a driving shaft, a pinion on said shaft, a driven tool carrier guided for reciprocation, a power transmitting pair of gears meshing with said pinion on one side, a crank and a connecting rod operatively connecting said pair of gears with said driven tool carrier on the other side, another pair of gears of equal size as said first pair arranged in parallel to said first pair and also meshing with said pinion, said power transmitting pair of gears being operatively connected with said other pair for a drive of said other pair in a sense opposed to that of said first pair and a balancing mass on each gear of both pairs of gears.

2,595,465
STRUCTURES INVOLVING PARTICLES OR MINERAL GRANULES TREATED WITH ORGANIC SILICON COMPOUNDS AND METHOD OF MAKING
Howard B. Keene and Douglas A. Anderson, St. Paul, and Paul H. Aldrich, Minneapolis, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application November 24, 1944, Serial No. 565,054
16 Claims. (Cl. 117—27)

1. The process of forming colored roofing granules having improved anchorage in asphalt coatings, comprising: coating base granules with a colored coating composition comprising water-soluble sodium silicate; converting the silicate to insoluble silica at a temperature not above about 600° F. and without removing the small but appreciable amount of water-soluble material remaining after such conversion; and applying to the hydrophilic surface of the resultant granules a thin coating of a solution in a hydrocarbon of a substituted silicane capable of molecular orientation with respect to a hydrophilic mineral surface said silicane being selected from the group consisting of alkyl, aryl, alkoxy and aryloxy silicanes containing at least one readily hydrolyzable inorganic radical attached to silicon.

2,595,466
BRAKE PIPE VENT CONTROL
Siegfried Keller, Effretikon, Switzerland, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland, a company of Switzerland
Application February 11, 1949, Serial No. 75,824
In Switzerland February 16, 1948
5 Claims. (Cl. 303—83)

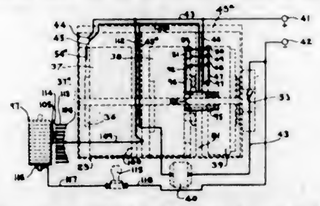


1. In a pneumatic brake, in combination with a brake line, a brake cylinder and a compressed air reservoir, an accelerator valve having a valve seat, a movable valve body and a spring pressing said valve body against said valve seat; a control valve comprising a movable pressure-actuated piston, a cylinder containing said piston and having one side connected with said brake line and the other side connected with said compressed air reservoir, whereby said piston is actuated by difference in pressure between said brake line and said compressed air reservoir, a casing communicating with said cylinder, a rocker, a bush movable along with said piston and pivotally supporting said rocker, said rocker being movable along with said piston in the direction of movement of said valve body to open said accelerator valve against the pressure of said spring when said piston is moved, said casing connecting said brake line with said accelerator valve, said casing having a stop engaging a part of said rocker during movement of said piston and moving said rocker away from said valve body, whereupon the valve body is closed by said spring, a movable locking member locking said bush to hold said rocker in its position away from said valve body, and means connected with said locking member and said brake cylinder and actuating said locking member by pressure in the brake cylinder to lock said rocker.

2,595,467
PERPETUAL CALENDAR CLOCK
Gabriel Kellner, New York, N. Y.
Application July 16, 1948, Serial No. 39,057
3 Claims. (Cl. 58—6)

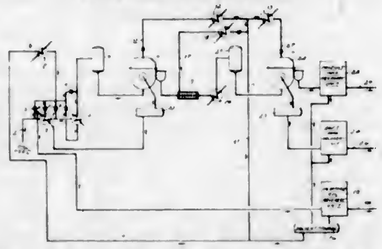
1. A device of the class described, comprising a clock mechanism including a continuous driven hour hand shaft, a fixedly mounted shaft, week-day, month-name and ordinal-date drums adjacent one another on said shaft and rotative relative to each other and to said shaft, and mechanical means operated by rotation of said hour hand shaft and interposed between said hour hand shaft and said week-day drum for

rotating said week-day drum through one-seventh of a revolution for each two revolutions of said hour hand shaft, electrically controlled means for advancing said ordinal-date drum through 1/31 of a revolution for each one-seventh revolution of said week-day drum and for advancing said month-name drum through one-twelfth of a revolution for each complete revolution of the ordinal-date drum, said month-name drum including mechanism for advancing the ordinal-date drum independently of the week-



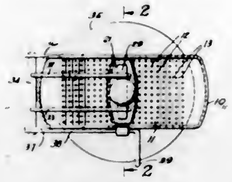
day drum to advance the ordinal-date drum to skip the omitted last days of the short months of the year, said ordinal-date drum being rotative through 1/31 of a revolution to change the ordinal date to the next successive date number, electrical means for moving said ordinal-date drum through 1/62 of a revolution as the first half of said 1/31 of a revolution, and mechanical means for moving said ordinal-date drum through a second 1/62 of a revolution as the second half of said 1/31 of a revolution.

2,595,468
SOLVENT SEPARATION OF WAX FROM HYDROCARBON MIXTURES
Wynkoop Kiersted, Jr., Scarsdale, and Howard H. Gross, Pleasantville, N. Y., assignors to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application June 24, 1947, Serial No. 756,658
3 Claims. (Cl. 196—18)



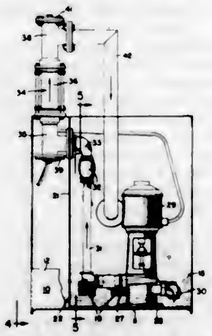
1. In a process for the separation of wax in solidified form from a mixture comprising wax wherein a wax cake at a reduced temperature containing components other than the desired wax is admixed with a solvent for components of the mixture other than the desired wax, the resulting dilute mixture warmed to a separation temperature such that the desired wax is present in the dilute mixture in solidified form and undesired wax and other components of the mixture are in solution and the desired wax in solid form is separated from the solution, the improvement which comprises increasing the temperature of the dilute mixture comprising wax and solvent to a temperature above the separation temperature in the range of 5–50° F. by an amount such that from about 2 to about 30 weight percent of the desired wax is dissolved in the solvent, thereafter reducing the temperature of the dilute mixture to said separation temperature and separating the desired solidified wax from the solution at said separation temperature.

2,595,469
KITCHEN COLANDER FOR EXTRACTING JUICES AND THE LIKE
Cornelius Konrath, Robbinsville, N. J.
Application January 13, 1949, Serial No. 70,700
1 Claim. (Cl. 146—173)



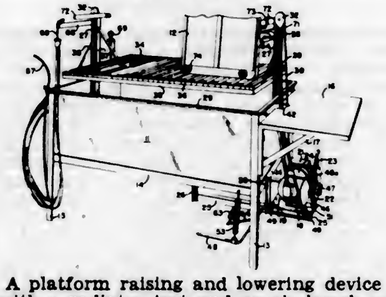
A colander, comprising, in combination, a perforated straining pan having curved edges, a roller swingable over said pan, a U-shaped bracket having parallel legs rotatably supporting said roller, a pin carried by said legs substantially intermediate the ends thereof and having ends projecting beyond said legs, two resilient parallel arms having hook-shaped ends extending over said projecting ends of the pin and located in the middle of said pan, said arms extending from the same side of the pan, a bar firmly connected with opposite ends of said arms, means connected with said pan and swingably supporting said bar substantially tangentially to a curved edge of said pan at said side thereof, a handle connected to said U-shaped bracket substantially intermediate said legs and extending in a direction opposite to that of said roller, a rod firmly connected with said bar, and a plurality of superposed hooks located upon a side of said pan and adapted to engage selectively an end of said rod.

2,595,470
RADIATOR TESTING APPARATUS
Daniel Langfeld, Robert Leckey, and Raymond A. Olson, Omaha, and Earl Grant Webb, Bellevue, Nebr., assignors, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr., a corporation of Nebraska
Application June 13, 1946, Serial No. 676,496
6 Claims. (Cl. 73—118)



1. Apparatus for testing heat exchangers of the type comprising a plurality of passages for the flow of a liquid and having inlet and outlet connections thereto, said apparatus comprising a liquid reservoir, a pump for pumping liquid from the reservoir to the inlet connection, a conduit for conveying liquid from the pump to said inlet connection, means for controlling the rate of delivery of said liquid to the inlet connection to maintain a predetermined level of liquid in said heat exchanger, said liquid returning from said outlet connection to said reservoir, and a flow measuring means for continuously measuring the flow of liquid through said heat exchanger per unit of time during operation of said pump.

2,595,471
TEST AND REPAIR BENCH FOR HEAT EXCHANGERS
Daniel Langfeld, Robert Leckey, and Raymond A. Olson, Omaha, and Earl Grant Webb, Bellevue, Nebr., assignors, by mesne assignments, to Inland Manufacturing Company, Omaha, Nebr., a corporation of Nebraska
Application July 10, 1946, Serial No. 682,624
5 Claims. (Cl. 187—17)



4. A platform raising and lowering device for use with a radiator test and repair bench comprising an open topped tank adapted to contain liquid therein, said device comprising guiding members for said platform, a pair of members cooperating with said fixed guiding members secured to said platform so that the platform moves in a fixed path, means for raising and lowering said platform, said last means including a reversible electric motor, self-locking gearing, control means for reversing the rotation of and for de-energizing said motor, said control means comprising two electrical switches, means included in one of said switches for reversing said motor and for independently de-energizing the same, means included in the second switch for independently de-energizing the motor and being normally in position to energize said motor, said second switch being effective to energize the motor only when the first switch is in a position to energize the motor, manually operated means for each of said switches, said manually operated means for said second switch being also effective to brake said motor when said means is moved to a position to energize said motor, and automatic limit means for operating said second switch to de-energize said motor upon predetermined upward or downward movement of said platform.

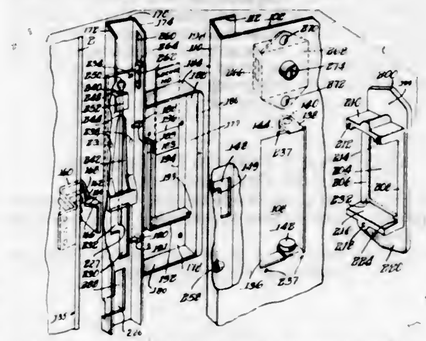
2,595,472
HEAT EXCHANGER
Lester U. Larkin, Harvey, Ill., assignor to Lincoln M. Larkin, Libertyville, Ill.
Application May 3, 1949, Serial No. 91,070
4 Claims. (Cl. 257—256)

2. A heat exchanger comprising a sheet metal body forming enclosing walls, a sheet metal strip having side walls and an integral top wall disposed helically upon and secured to said enclosing walls to form a fluid passage between said enclosing walls and said strip, the edges of the



side walls of said strip being sealed directly to the enclosing walls of the body, the top wall of said strip being formed with transverse corrugations, to promote turbulence in liquid refrigerant flowing in the passage.

2,595,473
LATCHING DEVICE FOR LOCKERS
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Original application May 31, 1946, Serial No. 673,566, now Patent No. 2,568,592, dated September 18, 1951. Divided and this application May 29, 1948, Serial No. 31,380
20 Claims. (Cl. 292—87)

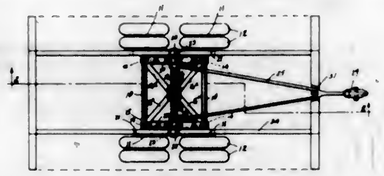


12. A latching device to be used with a locker or the like, comprising a longitudinally shiftable latch carrying member, an elongated flexible latch member secured to said latch carrying member at one end only, the other end of said flexible member being free for substantial deflection in a predetermined plane when engaged by the camming surface of a keeper and adapted thereafter to snap behind a locking surface on a keeper, and means adjacent the free end of said latch member substantially preventing movement of said flexible latch member in a plane perpendicular to said predetermined plane.

2,595,474
TRAILER PLATFORM STABILIZING STRUCTURE
Gregory L. Marvin, Indianapolis, Ind.
Application April 14, 1949, Serial No. 87,418
1 Claim. (Cl. 280—33.4)

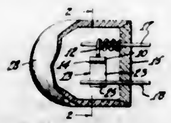
A trailer platform stabilizing structure for a trailer having a pair of wheel supported axles, comprising a pair of opposed triangularly shaped upstanding members each being connected to and supported by said axles, said members having an

opening formed adjacent their apices, a transversely disposed shaft extending through said openings and supported by said members, said members having a strut converging inwardly and upwardly from each end thereof, said struts having collars formed at their meeting ends respectively adapted to loosely embrace said shaft centrally thereof, a platform supporting frame having a centrally disposed depending portion adjacent each side thereof, said depending portions having an opening formed through their lower ends for reception therewithin of said shaft,



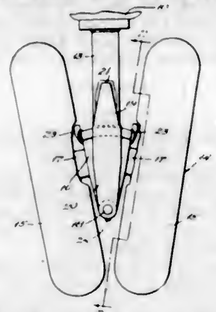
spring means connected to the base portion of said members, a substantially V-shaped towing bar structure comprising a pair of arms having openings formed in the ends thereof adapted to loosely receive said shaft therethrough, said arm ends being rigidly connected to the upper portion of said springs centrally thereof, and an adjustable member depending from the forward end of said platform and having means for detachable connection to said towing bar structure adjacent the forward end thereof, said towing bar structure having a coupling connection at its forwardmost end adapted for connection to the draw bar of the trailer drawing vehicle.

2,595,475
ELECTRODE SUPPORT FOR SEMI-CONDUCTOR DEVICES
Kenneth M. McLaughlin, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 23, 1949, Serial No. 134,802
18 Claims. (Cl. 175—366)



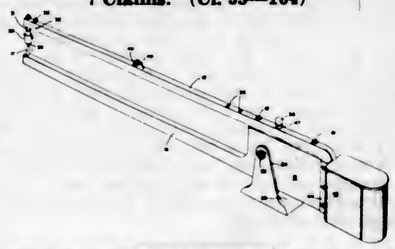
16. A semi-conductor device including a semi-conducting body having two substantially parallel surfaces, a first electrode in low-resistance contact with one of the surfaces of said body, said first electrode consisting of a conducting member supporting said body and having at least one leg portion extending away from said body, at least two further electrodes in rectifying contact with the other surface of said body, a common support for said electrodes including a single block of insulating material, and at least three stiff conductors extending through said block in spaced apart relation, one of said conductors being mechanically secured and electrically connected to each of said rectifying electrodes, and at least a further one of said conductors being mechanically secured and electrically connected to the leg portion of said conducting member, said conductors providing the sole support of said electrodes and of said body.

2,595,476
ROCKING FRONT WHEEL MOUNTING FOR TRICYCLE-TYPE TRACTOR
James Morkoski, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 26, 1948, Serial No. 11,253
1 Claim. (Cl. 180—27)



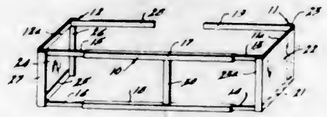
In a tricycle tractor having a body, laterally spaced rear drive wheels, a generally vertically extending rotatable steering post carried at the forward end of the body, said steering post having a lower bent portion extending rearwardly and downwardly, a pair of castering adjacent downwardly converging front wheels substantially rigidly connected close together and adapted to travel upon the surface, and means for mounting said wheels as a unit on the lower bent portion of said steering post rearwardly of the vertical axis thereof so as to facilitate castering of the wheels and to compensate for the tilt of the tractor caused by one of said drive wheels traveling in the furrow, comprising longitudinally extending pivot means carried at the lower end of the steering post and means for mounting said front wheels on said pivot means below the axes of rotation of said wheels to accommodate lateral swinging of the wheels as a unit when the tractor is tilted.

2,595,477
MICROMETRIC THICKNESS GAUGE WITH CONTACT PRESSURE INDICATOR
Adrian D. Neal, Harrison D. Peet, and George J. Dell, Louisville, Ky., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application April 30, 1945, Serial No. 591,000
7 Claims. (Cl. 33—164)



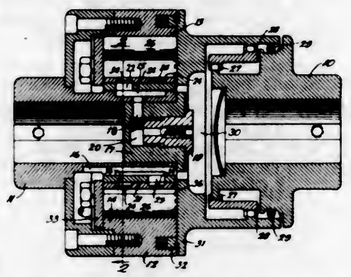
7. In a micrometer gage comprising a U-shaped assembly wherein the arms are long and slender, one arm carrying at its end a work-engaging anvil, the other arm carrying a work-engaging adjustable micrometer element, said arms being elastic and thereby being sensitive in their deflection to gaging pressure between said anvil and micrometer element, means to maintain consistency in gaging pressure comprising an elongated uniformly stressed reference member extending along one said arm and secured thereto near the ends thereof, whereby said arm under the influence of gaging pressure distorts and moves relative to said reference member, contacts on said arm and reference member, normally separated but engageable with one another after a certain deflection of said arm due to gaging pressure, and indicating means actuated by engagement of said contacts.

2,595,478
VALANCE, CURTAIN AND DRAPERY FIXTURE, AND ACCESSORY
Mary Nealis, Detroit, Mich.
Application November 12, 1947, Serial No. 785,459
6 Claims. (Cl. 160—21)



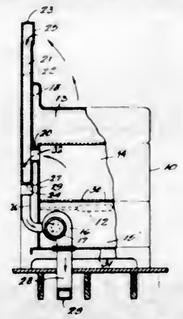
4. A window-type aperture ornamentation structure comprising in combination a valance supporting structure having a generally box shape, a drapery and curtain fixture having a reduced size and a shape corresponding to said valance and a hanger bracket demountably receiving and supporting said valance structure and said fixture, said bracket separating said valance structure and said fixture, and rigidly engaging the same whereby the said valance and fixture are prevented from disengagement and the said fixture is prevented from rotation.

2,595,479
RADIALLY MOVABLE PISTON TYPE CLUTCH
Bertel S. Nelson, Chicago, Ill., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application October 9, 1946, Serial No. 702,295
6 Claims. (Cl. 192—60)



1. A coupling comprising a hollow casing having a tubular wall section formed on its inner surface with a series of circumferentially spaced recesses, a rotor of circular section fitting into the casing, the rotor being formed with a series of radially extending pockets, gate members slidably mounted in the pockets to engage the inner surface of the casing, the casing forming a liquid supply chamber and the rotor being formed with a liquid pressure chamber, valve means operated by rotation of the rotor in the casing alternately to connect the pockets to the supply chamber and the discharge chamber and a valve connecting the pressure chamber to the supply chamber to control the pressure in the pressure chamber.

2,595,480
VENTILATED RANGE
James A. Nelson and Frederick J. Port, Chicago, Ill., assignors to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1947, Serial No. 746,718
1 Claim. (Cl. 126—299)

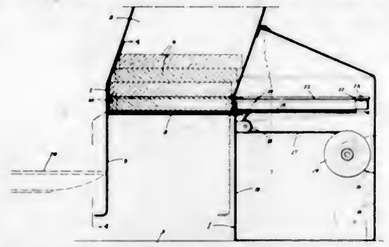


A range having a box-like frame providing an upper cooking surface equipped with burners and having a burner compartment therebeneath receiving heat from said burners, said range also having at least one substantially closed oven compartment beneath said burner compartment and a partially closed lower compartment beneath said oven compartment, means for heating said oven compartment positioned near the partition wall between said oven and lower compartments so as to also heat said lower compartment, a collector box extending substantially the width of said frame and extending for a substantial distance both above and below the cooking surface of said range, said box having an open interior chamber of substantially the same size as said box and an intake extending across its upper portion for withdrawing vapors rising from the top surface of said range into said chamber, a port at the rear of said oven compartment in communication with said collector box chamber, said collector box having its bottom extending below the port of said compartment and having its bottom wall tapering inwardly near the center thereof, an outlet conduit communicating with the tapered portions of said bottom wall of the box and passing into said lower compartment, a motor-driven blower in said lower compartment having its inlet communicating with said conduit, and a second conduit leading from the outlet of said blower and extending outside of the range, the portion of said collector box below the cooking surface of said range abutting a substantial expanse of the rear wall of said range, whereby said collector box chamber receives heat from the heated compartments within said range which tends to prevent the condensation of vapors in said chamber.

2,595,481
DISPENSER FOR SLICED BREAD
Frank P. Palmos, Monroe, La.
Application April 28, 1949, Serial No. 90,159
3 Claims. (Cl. 312—70)

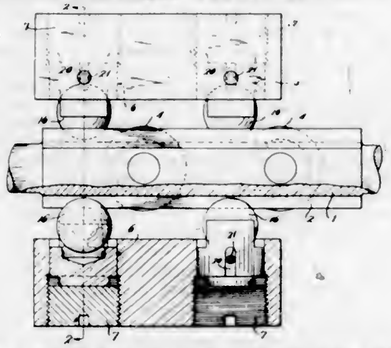
2. A dispenser for sliced bread, comprising a housing, an upstanding container for a stack of sliced bread, said container being initially open at the lower end and mounted on the housing with said lower end exposed above an access area, a horizontal slide plate mounted on the housing for sliding motion between an ad-

vanced position normally closing the lower end of the container and a retracted open position clear thereof, a spring unit in the housing connected to the slide plate yieldably urging the same to closed position, a trigger on the slide plate for actuation to move the same between closed and open positions, a transversely spaced pair of flat shutters mounted in the housing ad-



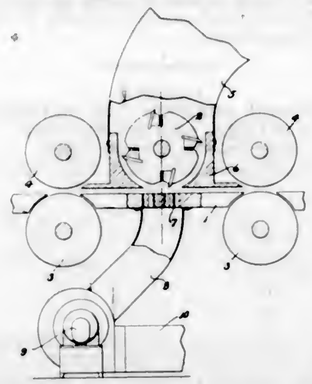
jacent the lower end of the container for movement between normal positions laterally clear of the container to working positions below the container between the lowermost and next uppermost bread slices, and means between the slide plate and shutters to cause the latter to move to said working positions upon the slide plate moving to its open position.

2,595,482
BEARING
Vincent E. Palumbo, Cleveland Heights, Ohio
Application April 13, 1949, Serial No. 87,221
21 Claims. (Cl. 308—6)



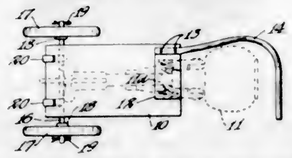
16. In combination, a supporting part having an opening extending therethrough, an object rotatable within said opening, the supporting part being provided with sockets that open into said opening, and receptacles occupying said sockets, said receptacles having opposed parts provided with cavities that face each other, and rolling contact members including segmental spherical journal areas confined to the so-called pole regions of the members and described from a common center and which areas are concentric with the axis of rotation of said members, the members being disposed partially within the receptacles with their journal areas occupying said cavities and their rotating axes substantially parallel to the rotating axis of said objects, the cavities being characterized by bearing surfaces complementary to and which are engaged by said areas, the rolling contact members engaging an annular track extending about the aforesaid object and serving to support the object for rotation.

2,595,483
VACUUM CENTER TABLE FOR PLANERS
Jay C. Petter, Holland, Mich., assignor to Buss Machine Works, Holland, Mich., a corporation of Michigan
Application December 29, 1950, Serial No. 203,287
3 Claims. (Cl. 144—117)



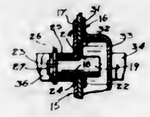
1. In a planer, a horizontal center bed section adapted to be located underneath an elongated planer cutter head rotatable about a horizontal axis, said bed section having a plurality of spaced rows of spaced vertical openings in each row therethrough, said rows of openings being adapted to extend generally in parallelism to the rotative axis of a planer cutter head adapted to be located above it, and said rows of openings in the head being disposed so that the longitudinal axis of a planer cutter located over said center bed section lies in a vertical plane between two intermediate rows of openings, additional rows of openings being at each side of said intermediate rows of openings, a conduit having a hood at its upper end, said hood having connection to the under side of said center bed section at its upper end, and being in communication with the lower ends of all of said openings, and means for continuously inducing a vacuum within said conduit and hood.

2,595,484
HAND TRUCK FOR TRANSPORTING OUTBOARD MOTORS
Roy S. Ritchey, St. Paul, Minn.
Application October 13, 1947, Serial No. 779,583
2 Claims. (Cl. 280—53)



2. A device for transporting an outboard motor having in combination, an outboard motor, a yoke and clamping screws carried by said motor, said yoke being adapted to embrace a boat transom and be secured thereto by said screws, a board of general rectangular shape, a flat member, a rod-like handle secured to one end of said flat member and extending away from said member substantially in alinement with said side for quite a distance and having its other end bent substantially at a right angle, said flat member being adapted to lie in flat engagement with one end portion of said board, said flat member and portion being constructed and arranged to be received in said yoke and clamped therein by said screws whereby said motor extends longitudinally above said board and engages the same adjacent its other end, and said handle extends along one side of the upper part of said motor and transversely across the end of said part, and an axle having readily operated clamping means carried thereby adapted to receive the other end portion of said board and be detachably clamped thereto, and wheels removably carried on the ends of said axle, said board, flat member, axle and wheels thus being readily separable for storage.

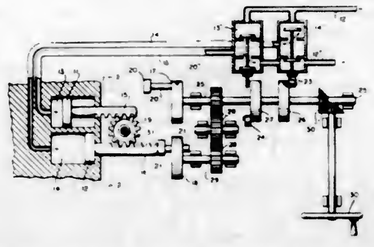
2,595,485
SEPARABLE FASTENER ROTATING HEAD
Louis A. Roman, Brooklyn, N. Y.
Application March 10, 1949, Serial No. 80,627
1 Claim. (Cl. 24—221)



A coupling for a pair of adjacent plates, comprising an elongated post circular in cross section and having a flat surface on at least one side thereof and extended in from one end of said post to a point spaced inward of the other end thereof forming a shoulder at said point, one of the plates having an aperture corresponding in shape to the cross-sectional shape of that portion of said post having said flat surface and through which that flat surfaced portion of said post is slidable but non-rotatively extended, a pin projected laterally from the end of said post remote from said flat surface, resilient means urging said post to move said shoulder to abut an adjacent face of the said one plate, the other of the plates having a key-hole shaped slot for passing said pin and the adjacent end portion of said post after which the said other plate can be turned relative to the said one plate causing said pin to bear against the outer face of said other plate, said pin being mounted on said post with its central axis spaced from said shoulder a distance slightly greater than the thickness of the material from which the said other plate is made, so constructed and arranged that with said pin bearing against the outer face of the said other plate said post will be drawn axially placing said resilient means under sufficient tension to urge the plates into rigid facial contact.

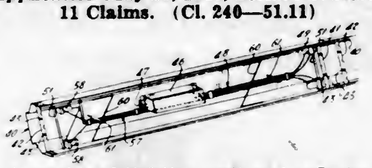
2,595,486
SERVOMOTOR AND MECHANISM FOR LIMITING ITS PISTON MOVEMENTS AT VARIABLY PREDETERMINED POSITIONS
Josef Rosenberg, Pilsen, Czechoslovakia, assignor to Škoda Works, National Corporation, Pilsen, Czechoslovakia
Application February 12, 1949, Serial No. 76,014
In Czechoslovakia March 6, 1948
3 Claims. (Cl. 121—38)

1. Servomotor with mechanism for producing predetermined relative rotations of the driving shaft in regulating devices comprising a pinion driving said shaft, two cylinders arranged side by side, a piston reciprocating in each cylinder, a rack operated by each piston, said racks meshing said pinion in opposing positions, a longitudinally adjustable stop member for each rack to control its longitudinal displacement, a rotatable support for each of the stop members to bring the same alternately in operating position rela-



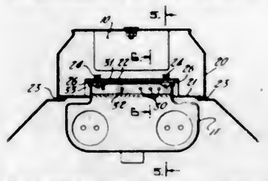
tive to the respective rack, a conduit for a pressure medium to each of the said cylinders, controlling means in each conduit for the supply of pressure medium to alternately operate said cylinders, and means alternately operating said controlling means in timely relation with said rotatable supports for said stop members to bring one stop member in operating position.

2,595,487
FLUORESCENT LIGHTING FIXTURE
Richard M. Runge and Shirley R. Naysmith, Meriden, Conn., assignors to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 26, 1948, Serial No. 29,236
11 Claims. (Cl. 240—51.11)



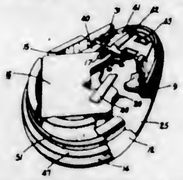
7. A combined lighting unit and reflector support for direct lighting fluorescent lighting luminaires: comprising a preassembled wiring harness including two socket supporting straps, a fluorescent lamp ballast, fluorescent lamp and starter sockets secured to the straps, and wiring interconnecting the sockets and ballast to provide a fluorescent lamp circuit and of a length to allow spacing the lamp sockets according to lamp length; an inverted trough shaped wiring channel having reinforcing flanges along its lower edges and of a width and depth to completely receive the ballast and of at least nominal lamp length; reinforcing cross straps fixedly secured across the channel and spaced according to lamp length; channel carried reflector supports, means to secure the ballast within the wiring channel midway between the reinforcing straps; means to detachably secure the socket carrying straps to the reinforcing straps in position to space the lamp sockets according to lamp length, the reinforcing straps being located relative to the channel mouth to dispose the lamp sockets in downwardly projecting, lamp receiving position where they are unprotected by the channel and subject to damage, and means to support the detached socket supporting straps with sockets attached thereto within the wiring channel in protected position for shipment.

2,595,488
FLUORESCENT LIGHTING FIXTURE
Richard M. Runge and Shirley B. Naysmith, Meriden, Conn., assignors to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 26, 1948, Serial No. 29,237
2 Claims. (Cl. 240—51.11)



1. In a fluorescent fixture, in combination, a preassembled fluorescent lamp-circuit wiring-harness including two lamp holders of the push contact, multiple lamp type each including a metal housing, lamp and starter sockets and mounting brackets, a ballast, and wiring interconnecting the sockets and ballast; an inverted wiring channel in which the ballast is secured and completely housed; a pair of transverse channel reinforcing straps in the channel, means for detachably securing the mounting brackets to the straps to locate the holders in such position that the lamp sockets project below the channel, and means to support the detached holders completely housed within the wiring channel.

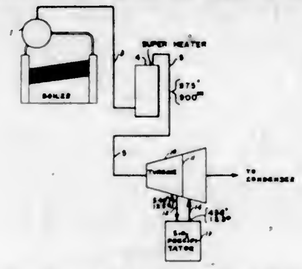
2,595,489
INSERT EARPHONE AND OPERATIVE SUBASSEMBLY THEREFOR
Donald E. Rutter, Endicott, N. Y., and Harry B. Shaper and Walter J. Brown, Cleveland Heights, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application October 3, 1945, Serial No. 620,118
9 Claims. (Cl. 179—107)



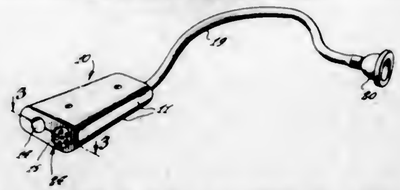
1. In an insert earphone, an annular frame, a crystal plate mounted directly on said frame, a diaphragm having a peripheral edge portion secured directly to said frame and having an inner portion connected to said crystal forming an operative sub-assembly, and a housing within which said sub-assembly is mounted, said housing providing substantially an air-tight enclosure for said crystal except for an opening which, when the insert earphone is being worn, is directed into the wearer's ear.

2,595,490
PREVENTION OF SILICEOUS DEPOSITION FROM STEAM
Arthur C. Schubring, Trenton, and Lyman W. Julson, Detroit, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application January 4, 1945, Serial No. 571,294
2 Claims. (Cl. 122—459)

2. A method of purifying dry superheated steam, which comprises heating steam above 540° F., and thereafter cooling said steam through the temperature range of 540°–450° F. to precipitate the entrained water-soluble siliceous matter therefrom, the steam being maintained in a superheated condition throughout the purification steps.



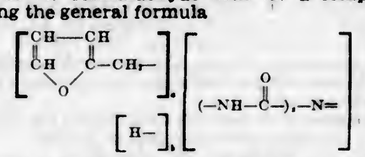
2,595,491
MOUTH WASHER
Edward W. Schweikert, New York, N. Y.
Application October 31, 1950, Serial No. 193,127
2 Claims. (Cl. 128—248)



1. A mouth washer comprising an elongated body having two spaced longitudinal passages therethrough, one of said passages having a hose connected to the rear end thereof, and a rotor mounted at the front end of said one of said passages, said rotor having means for rotating the same upon passage of water therethrough in a forward direction and for breaking up said water into a plurality of rotating streams which strike the interior of the mouth of a person holding the front end of said body in the mouth.

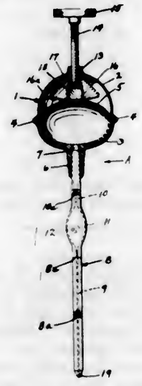
2,595,492
PRODUCTION OF FURFURYL UREA-FORMALDEHYDE THERMOSETTING RESINS
John Kenson Simons, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application August 9, 1948, Serial No. 43,341
22 Claims. (Cl. 260—17.3)

3. A cellulose-filled composition comprising an intermediate product of the reaction at a pH from 4 to 8 in aqueous solution at reflux temperature of (1) formaldehyde with (2) a compound having the general formula



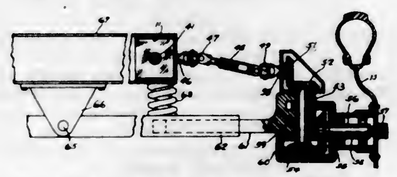
wherein each of the letters *a*, *b* and *c* represents an integer from 1 to 2, and $a+b=3$ and $a+c$=from 2 to 3, the molar ratio of (1) to (2) being from 1/1 to 2/1.

2,595,493
LIQUID EXTRACTING APPARATUS
Ollie F. Slaby, Parma, and Le Roy K. Mills, Lyndhurst, Ohio
Application September 9, 1949, Serial No. 114,892
1 Claim. (Cl. 73—425.6)



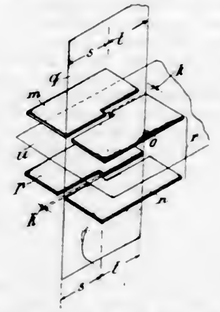
Fluid extracting apparatus of the class described, comprising, in combination, a flexible resilient fluid container of normally generally spheroidal shape and composed of rubber or like material, a rigid housing for said fluid container, said housing being of generally spheroidal shape corresponding to and confining said container therewithin, said fluid container having a nipple extending through said housing, a graduated capillary tube associated with said nipple for fluid communication between said capillary tube and the interior of said fluid container, and a screw actuated plunger comprising a screw actuator having threaded cooperation with said housing for axial movement relative thereto upon relative rotation of said actuator, and a plunger head swivelly connected to said actuator and disposed within said housing, said plunger head having a convex engaging surface for engagement with said fluid container to compress the same to decrease the fluid capacity thereof while closely confined within said housing, said fluid container being resilient to resume its normally spheroidal shape to increase the fluid capacity thereof upon movement of said plunger to relieve the compressing pressure on said fluid container.

2,595,494
FOUR-WHEEL DRIVE TRACTOR
Omar Stratman, Gunnison, Colo.
Application September 7, 1948, Serial No. 47,958
2 Claims. (Cl. 180—49)



1. In an engine driven vehicle having a longitudinal frame supported at each end by a pair of wheels, the front pair being steerable, the combination therewith of a wheel drive mechanism comprising, an engine supported on the frame to the rear of the steerable wheels, the drive shaft of the engine extending transversely of the frame, a selective speed transmission mechanism supported on the frame to the rear of the engine, said mechanism having a power input shaft and a power output shaft projecting from opposite sides thereof, said shafts extending transversely of the frame, means comprising spur gears operatively connecting the drive shaft of the engine with the power input shaft of the transmission, a pair of jack shafts positioned to the rear of the transmission, one on each side of the longitudinal center line of the frame, mounted for rotation about axes extending transversely of the frame, a differential gear mechanism positioned to the rear of the jack shafts, arranged with its two shafts extending transversely of the frame, a gear mechanism transmitting rotary motion from the output shaft of the transmission to the bevel spider gear pinions of the differential, means for selectively turning each jack shaft in either direction by power derived from the corresponding differential shaft, a two part axle positioned to the rear of the differential, each shaft having at its outer end a wheel, means comprising a sprocket chain operatively interconnecting each jack shaft with the corresponding axle, and means for drivingly interconnecting each jack shaft with the corresponding steerable wheels the parts being so arranged that the four wheels turn in the same direction at the same time.

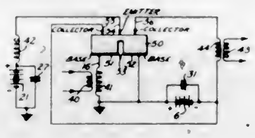
2,595,495
FOCUSING DEVICE
Josef von Berg, Stuttgart-Bad Cannstadt, and Walter Volk, Stuttgart-Uhlbach, Germany
Application March 2, 1949, Serial No. 79,282
In France November 24, 1947
3 Claims. (Cl. 88—24)



1. In optical apparatus in combination, a device for focusing said apparatus comprising an optical system, an objective and a light source forming part of said system, diaphragm means extending across the optical axis of the system between said light source and objective, and including a first portion extending transversely to said axis and having an edge adjacent said axis, a second portion extending transversely to said axis and having an edge in opposition to said first portion edge, said second portion being spaced from said first portion both transversely and longitudinally with respect to said axis so that said edges are similarly spaced and define a light gap angularly disposed with respect to said axis, a third portion extending transversely to said axis and on the opposite side of said axis relative to said first

portion and having an edge adjacent said axis, a fourth portion extending transversely to said axis and on the opposite side of said axis relative to said second portion and having an edge in opposition to said third portion edge, said fourth portion being spaced from said third portion both transversely and longitudinally with respect to said axis so that the edges corresponding thereto are similarly spaced and define a second light gap angularly disposed with respect to said axis, said third and fourth portions being so positioned with regard to each other and said first and second portions that the angular disposition of said second light gap is opposite the angular disposition of said first light gap whereby a pair of images is produced corresponding to said first and second light gaps which are in alignment at proper focus distance and are geometrically displaced to nonaligned positions characteristic of distances longer and shorter than proper focus distances.

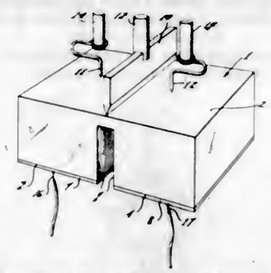
2,595,496
CASCADE-CONNECTED SEMICONDUCTOR AMPLIFIER
William M. Webster, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1949, Serial No. 72,152
4 Claims. (Cl. 179—171)



1. A cascade-connected amplifier comprising semi-conductor means provided with a first and a second base electrode and with at least three further electrodes, said base electrodes being in low-resistance contact with said semi-conductor means, said further electrodes being of relatively small area compared to that of said base electrode, means for biasing said first base electrode and a first one of said further electrodes and said second base electrode and a second one of said further electrodes in a relatively non-conducting polarity and for biasing said base electrodes and a third one of said further electrodes in a relatively conducting polarity, means connecting said first one of said further electrodes to a point of fixed potential, means for applying an input signal between said first base electrode and a point of fixed potential, a coupling impedance element connected between said third one of said further electrodes and a point of fixed potential, an output circuit connected between said second one of said further electrodes and a point of fixed potential, and means maintaining said second base electrode at a substantially fixed potential.

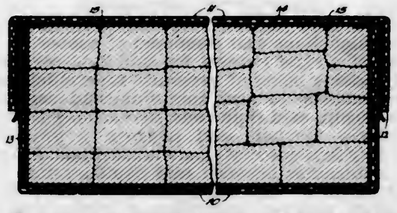
2,595,497
SEMICONDUCTOR DEVICE FOR TWO-STAGE AMPLIFIERS
William M. Webster, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 22, 1949, Serial No. 72,153
13 Claims. (Cl. 175—366)

1. A device of the character described comprising a single semi-conducting body of substantially uniform electrical characteristics



having a bifurcated base, and electrodes individual to the separate surface areas of said base.

2,595,498
PROCESS OF PREPARING FROZEN MEAT PACKAGES
Clarence K. Wiesman, Chicago, Ill., and Glenn H. Whetzell and Gilmore T. Schjeldahl, Hobart, Ind., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1947, Serial No. 723,936
7 Claims. (Cl. 99—194)



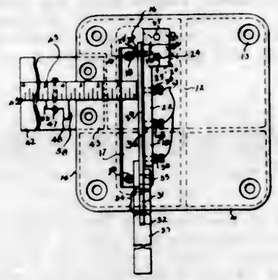
1. In a process for treating meat, the steps of filling an open top container with pieces of meat, placing a transparent sheet over the container and meat so that the same conforms to the surface of the meat, covering the sheet and container with a top, inverting the container and top, and freezing the contents thereof with the container in inverted position.

2,595,499
PROCESS FOR PRODUCTION OF VITAMIN B_{12}
Thomas R. Wood, Murray Hill, and David Hendlin, Elizabeth, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 10, 1948, Serial No. 38,176
12 Claims. (Cl. 195—114)

1. A process for the production of vitamin B_{12} which comprises fermenting, under submerged, aerated conditions, an aqueous nutrient medium containing cobalt equivalent to approximately from 0.1 to 2 parts per million parts of medium, when added as cobalt nitrate, by means of a vitamin B_{12} producing strain of *Streptomyces griseus*.

2,595,500
CUTTING TOOL
Charles H. Zimmerman, Norwood, Ohio, assignor to Zimmerman Packing Company, Norwood, Ohio, a corporation of Ohio
Application November 29, 1946, Serial No. 712,926
10 Claims. (Cl. 164—44)

1. In a cutting tool of the class described the combination of a base having a top, a bracket upstanding from said base and having a body portion overlying the base top to provide a cutting throat therebeneath, a cutting blade pivotly mounted on the bracket for movement through



the cutting throat and adjustable means carried by the bracket body portion for engagement with and backing up the cutting blade at spaced points longitudinally thereof during its movement to prevent deflection thereof during the cutting operation.

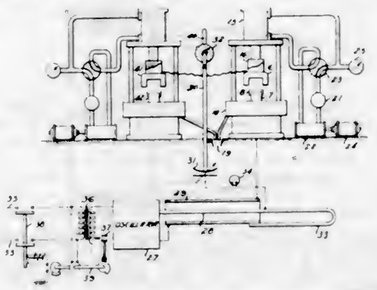
2,595,501
METHOD OF MOLDING INSULATING MATERIAL
Louis C. Aicher, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 27, 1946, Serial No. 686,742
6 Claims. (Cl. 154—2.6)



1. A method of molding an article of insulating material comprising the steps of closing a pair of conductive dies on a piece of dry insulating material shaped to fit between said dies, connecting said dies to a source of high frequency electric current to cause heating of said piece of insulating material and of said dies to substantially the temperature of ebullition of a softening liquid, soaking a sheet of laminated cellulosic insulating material in said softening liquid, disconnecting said dies from said source, substituting said sheets for said piece, pressing said sheet between said dies, and reconnecting said dies with said source to vaporize the liquid absorbed by said sheet.

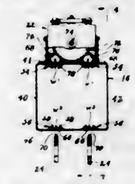
2,595,502
VARIABLE CAPACITY CIRCUIT FOR DIELECTRIC HEATING APPARATUS
Louis C. Aicher, Wauwatosa, Wis., and Fred J. Vogel, Oak Park, Ill., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 1, 1946, Serial No. 687,738
8 Claims. (Cl. 18—17)

1. In apparatus for simultaneously heating a plurality of charges of insulating material by dielectric losses, the combination of a plurality of pairs of dies of electrically conductive material, independent pressure applying means for each of said pair of dies, means for insulating said pressure applying means from said dies, means for electrically connecting said pairs of dies in parallel, a common adjustable capacitor serially connected with the parallel combination



of said dies, a source of alternating current connected across said capacitor and said dies to establish an alternating electric field through said charges, and means for adjusting the capacity of said capacitor.

2,595,503
CROP BALER WITH MEANS FOR GROOVING BALES FORMED THEREBY
Herman E. Altgelt, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 5, 1950, Serial No. 160,299
2 Claims. (Cl. 100—20)

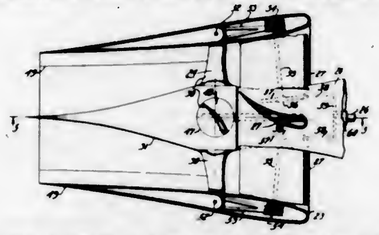


1. In a crop baler: means including a plurality of wall portions arranged to provide an elongated bale chamber; means fixed to the interior of one of said wall portions and running lengthwise thereof to form an elongated channel projecting into and opening to the interior of the bale case for forming a lengthwise groove in a bale being formed and adapted to accommodate lengthwise thereof a strand of a tying medium such as twine or wire; said one wall portion having an opening alined with said channel and through which such strand of tying medium may extend between the channel and the exterior of the bale case; and tying mechanism carried at the exterior of the bale case for handling the tying medium, said mechanism including a tying-medium-handling element receivable through said opening and accommodated by and within the channel so as to operate relatively close to the bottom of the groove formed in a bale by said groove-forming channel.

2,595,504
MEANS FOR PRODUCING THRUST
Harold T. Avery, Oakland, Calif.
Application May 28, 1943, Serial No. 488,917
4 Claims. (Cl. 230—114)

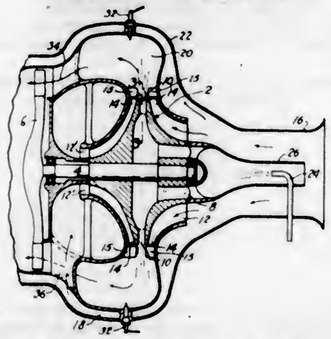
1. A thrust producing unit comprising a duct having an inlet and an outlet, the area of the outlet bearing to the area of the inlet the ratio e/i, in combination with an airscrew the area

of which projected onto a plane perpendicular to the air-screw axis, exclusive of the area of hub which is not open to airflow, constitutes a percentage of the total swept disc area of the



airscrew, exclusive of the same hub area, which percentage is substantially equal to 15.7 per cent plus 15.7 per cent of the square root of the ratio e/i.

2,595,505
COAXIAL COMBUSTION PRODUCTS GENERATOR, TURBINE, AND COMPRESSOR
Carl F. Bachle, Detroit, Mich., assignor to Continental Aviation & Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application April 20, 1946, Serial No. 663,723
4 Claims. (Cl. 60—39.36)



1. An internal combustion engine comprising a fixed casing structure having an annular combustion chamber, a shaft rotatably supported axially of said casing, a turbine wheel mounted on said shaft and having turbine blades adapted to be disposed in the fluid stream exhausted from said combustion chamber, a compressor rotor mounted on said shaft and having separate passages all terminating in axially spaced outlets at the periphery of the rotor, an air duct carried by the casing structure and arranged to supply air to the rotor and having concentric inner and outer air passages terminating in outlets aligned with the inlets of a like number of passages in said rotor, a source of fuel supply, and means to supply fuel mixture to one of said rotor passages and air to the others of said rotor passages, all said rotor passages being separated and discharging directly into said combustion chamber.

2,595,506
ADJUSTABLE DOOR JAMB
John W. Backman, Los Angeles, Calif., assignor to Southern California Glass Co., Inc., a corporation of California
Application April 7, 1948, Serial No. 19,543
3 Claims. (Cl. 189—46)

2. An adjustable door jamb construction adapted to be mounted in an opening in a wall, comprising: a first rail having a plurality of spaced holes transversely therethrough with the walls thereof threaded; a second rail telescoping transversely on the first rail and provided with holes transversely alined with the holes in the first rail; a tubular exteriorly threaded abutment mounted in each of the threaded holes in the first rail and adjustable therein; and screws



positioned in the holes in the second rail with their heads engaging the second rail and their shanks passing freely through the tubular abutments and adapted for threaded engagement with the wall so that under adjustment thereof the second rail is brought into direct engagement with the tubular abutments whereby the door jamb is securely held against the wall of the door opening with the second rail held in adjusted relation to the first rail.

2,595,507
SANITARY GARMENT
Nevitt S. Beck, Euclid, Ohio
Application July 8, 1950, Serial No. 172,691
1 Claim. (Cl. 128—288)

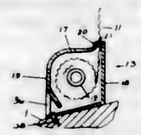


A sanitary garment comprising a fabricated body adapted for encircling the waist of a person with means for supporting such body around the waist, a flap of plastic material having one end fixed on the lower edge of the rear portion of the said body, said flap being of proper width and sufficient length to be passed through the crotch and upward in position for being removably attached to the front portion of the said body, the flap having a layer of mesh-woven material with slightly upturned edges attached to its inside and upper surface, the said front portion of the body provided with a number of female fastener parts and the free end of the flap having a number of male fastener parts adapted to engage in the said female parts as a means for removably attaching the flap to the said front portion of the body, the said inside layer providing a means for securely and removably holding a part of absorbent material in proper position on the flap when said flap is in its said attached position on the said body.

2,595,508
ROLLER SCREEN
Robert George Bridges, San Carlos, Calif.
Application August 27, 1948, Serial No. 46,517
4 Claims. (Cl. 160—28)

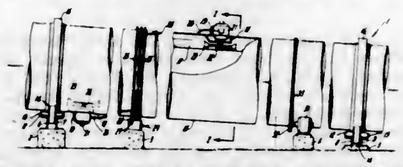
3. In a screen installation including a spring roller and screen windable thereon, said roller rotatably supported within an elongated housing extending longitudinally thereof, a slot extending longitudinally of said housing formed in one side thereof through which one end of said

screen may be withdrawn, said housing being secured to the sill of a window opening, a bottom wall on said housing opposite said slot for supporting said housing on such sill, and drain openings formed in one of the walls of said housing



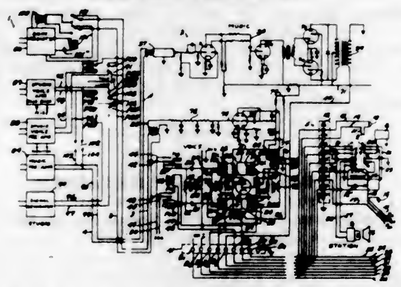
along one of the edges of said bottom, openings formed in said bottom wall adjacent said drain openings for reception of fastening elements to secure said housing to said sill, said drain openings providing access to said elements.

2,595,509
ROTARY DRIER AND DISINTEGRATOR
Allan K. Brown, Santa Cruz, Calif.
Application November 8, 1946, Serial No. 708,584
2 Claims. (Cl. 241—301)



1. A drier of the horizontal type comprising: a cylindrical shell mounted for rotation about a substantially horizontal axis; a motor mounted on the outer surface of said shell with its shaft extending through said shell and substantially radially thereof; a disintegrating blade mounted on the inner end of said shaft within said shell; means for energizing said motor; and means for rotating said shell about its own axis.

2,595,510
APPARATUS FOR TRANSMISSION OF MUSIC FROM A CENTRAL STUDIO TO A PLURALITY OF SUBSCRIBERS
John L. Burnett and Bert Smith, Kansas City, Mo., assignors to Modern Music, Inc., Kansas City, Mo., a corporation of Missouri
Application March 20, 1948, Serial No. 16,096
5 Claims. (Cl. 179—63)



1. In a voice transmitting and receiving system including a studio, a control station situated remotely from the studio and a plurality of patron stations at the control station, a single pair of line conductors composing a single telephone circuit connecting the studio with the control station for transmitting voice currents between the studio and any one of the patron's stations, a current operated speaker at each patron's station adapted to serve as a microphone, means at the control station for amplifying the voice currents over said line conductors in either direction, actuating means at each of the patron stations for sending a current impulse over said line conductors to the studio, holding means at the patrons' stations adapted to be energized by said actuating means at any one of the patron stations to prevent the other stations from communicating with the studio, a switch mechanism at each patron station actuated by the current impulse for actuating the holding means at the other patron stations and to connect the speaker in circuit with the voice current amplifying means at the control station, current conducting means connecting the amplifying means with said line conductors, and means for sending current impulses from the studio over said single pair of line conductors for rendering the amplifying means effective so that voice currents from the studio are adapted to be amplified by the amplifying means at the control station for reception at a patron's station sending the current impulses to the studio.

2,595,511
PINCH VALVE
William F. Butler, Oakland, Calif., assignor to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application October 29, 1948, Serial No. 57,209
1 Claim. (Cl. 251—5)

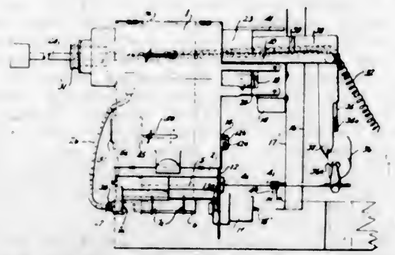


A device of the character described for controlling the flow of fluid through a section of flexible tubing comprising: a channel including a base and a pair of upstanding sides for the accommodation of said section of flexible tubing, said sides having outwardly extending wings; trunnion guide ways formed in said sides, said guide ways being inclined longitudinally with respect to said base and having re-entrant openings at the high ends thereof extending through said wings, and said guide ways being serrated only on their upper edges; and a roller receivable in said channel and mounted on trunnions receivable in said guide ways, the end of only one of said trunnions being enlarged to prevent its passage through its associated guide way.

2,595,512
APPARATUS FOR LIGHTING CIGARETTES AND THE LIKE
Herman S. Cahen, University Heights, Ohio
Application April 19, 1947, Serial No. 742,717
2 Claims. (Cl. 312—48)

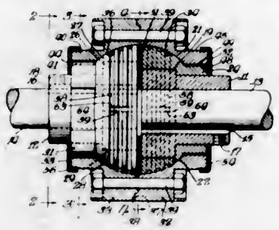
1. A lighter for cigarettes or the like, comprising a supporting means for a cigarette or the like, a lighting means at one end of said supporting means, a suction device at the other end of said supporting means for simulating the drawing effect of a smoker upon the mouth-end of a cigarette or the like, means for holding a supply of cigarettes or the like, means whereby a cigarette or the like may be moved from said holding means to said supporting means so as to occupy operative relation to said lighting and suction means, spring means tending normally

to return said moving means towards idle position, a cylinder having a plunger operatively connected to said spring means and adapted to be withdrawn for setting the same for return movement by said spring means, said suction device being operatively connected to said cylinder at a point a predetermined distance substantially in advance of the rear end thereof and



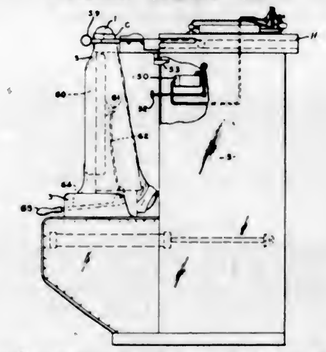
adapted to be actuated by the return movement of said plunger beyond said point, operative means of connection between said lighting means and said plunger to effect actuation of said lighting means immediately upon the initiation of the withdrawal of said plunger, the parts being so constructed and arranged that said lighting means will be energized substantially prior to the actuation of said suction device.

2,595,513
COUPLING FOR ROTATING SHAFTS
William Cureton, Oak Park, Ill.
Application April 28, 1950, Serial No. 158,766
10 Claims. (Cl. 64—9)



1. In a flexible coupling for connecting a pair of shafts, a hub mounted on each shaft for rotation therewith, a substantially hemispherical swivel member mounted on each hub, means providing a driving connection between each swivel member and its associated hub comprising an eccentric formed on each hub and a mating internal eccentric formed in each swivel member, means forming a housing for enclosing said hubs and said swivel members comprising a pair of housing bells joined together and each having interior hemispherical surfaces contacting the hemispherical surfaces of said swivel members, means providing a driving connection between said swivel members and said housing comprising a spline formed in each of said housing bells and a matching spline formed on each of said swivel members, each pair of said splines having spline surfaces which are spaced from each other yet providing points of contact with each other to enable said shafts to be displaced with respect to each other while maintaining a driving connection therebetween.

2,595,514
CUFF CLAMP MECHANISM FOR SLEEVE PRESSES
Ernest Davis and Emil A. Winnewisser, Syracuse, N. Y., assignors to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application July 28, 1948, Serial No. 41,098
4 Claims. (Cl. 223—57)



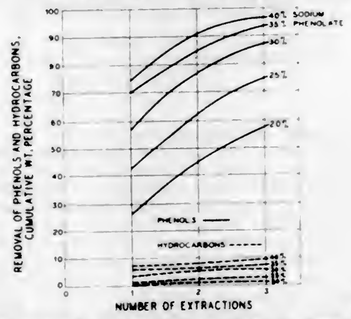
1. A cuff clamp mechanism for sleeve pressing machines of the type comprising a frame, cooperating pressing elements supported by the frame between which the sleeves of a garment are pressed, a form on which the sleeves of garments are individually dressed, and carrier means for the form shiftable to shift the form into and out of pressing position between said pressing elements; the cuff clamp mechanism comprising a support mounted on the frame of the pressing machine, a clamp carriage on the support movable horizontally outward relative to the support and inward toward the support in a path terminating at its outer end at the level of the upper end of the form about which the cuff of the sleeve dressed on the form is wrapped, a cuff clamp on the clamp carriage, the clamp carriage being shiftable manually outward on said support to carry the cuff clamp into juxtaposition to clamp the cuff to the upper end of the form, a motor on said clamp carriage operable to close the cuff clamp, a control member for controlling the energizing and deenergizing of the motor, said control member being carried by the frame of the pressing machine, a connection between the clamp carriage and the control member to operate the control member to energize the motor when the clamp casing reaches its outward position in juxtaposition to the cuff of the sleeve dressed on the form, and to deenergize the motor and release the cuff clamp when the clamp carriage approaches the limit of its inward movement with said sleeve form when the form is between the pressing elements.

2,595,515
FLUORESCENT LAMP RETAINER
Leroy C. Doane, Essex, Conn.
Application June 2, 1948, Serial No. 30,640
4 Claims. (Cl. 173—328)



1. A retainer for tubular lamps comprising a clamping band and means for clamping the same around the end of the lamp, and locking means for engagement with the lamp socket to secure the lamp against rotation, said locking means comprising a bendable spring loop, said loop projecting radially outward from the clamping band and having a return bend portion extending inwardly partly over the end of the lamp to which the retainer is attached, but terminating short of the central axis of the lamp and clamping band.

2,595,516
PROCESS FOR RECOVERY OF TAR ACIDS AND BASES FROM HYDROCARBON OILS
Edward W. Doughty and James V. Murray, Jr., South Charleston, and John D. Fales, St. Albans, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application August 11, 1948, Serial No. 43,653
13 Claims. (Cl. 260—627)



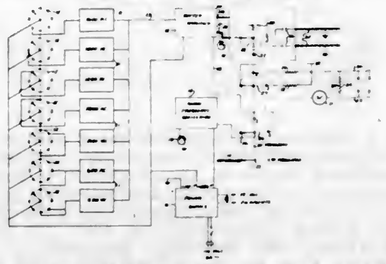
1. Process for recovering phenols from mixtures of hydrocarbons and phenols which comprises extracting such mixtures with an aqueous solution of alkali-metal phenolates containing at least 20% by weight of said phenolates to form a solution of free phenols in said aqueous solution, extracting said solution of free phenols with a neutral, normally liquid organic solvent, said solvent being immiscible with 40% aqueous sodium phenolate solution, containing non-terminal oxygen attached only to carbon and boiling below 180° C., to form a solution of the free phenols in said solvent and to separate a water solution of alkali-metal phenolates, and recycling said water solution of alkali-metal phenolates to the first extraction step.

2,595,517
DEVICE FOR DISINFECTING TELEPHONE MOUTHPIECES
Albert Finlayson and William Richard Smith, Kingston upon Hull, England
Application June 19, 1950, Serial No. 168,878
In Great Britain June 20, 1949
6 Claims. (Cl. 179—185)



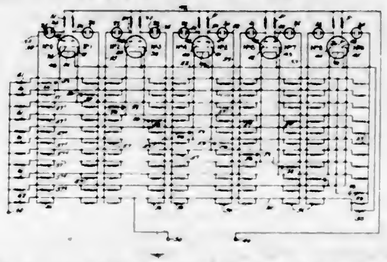
1. A device for disinfecting a telephone mouthpiece comprising, in combination, a detachable cage for disinfectant formed from foraminated strip stock which is bent to a curve of a lesser concavity than that of the telephone mouthpiece, and an arm having a plug at one end effective to engage within and obturate a single peripheral aperture only of the diaphragm of the mouthpiece and elastically engaging at its other end with at least a portion of the surface of the cage whilst lying wholly within the confines of the mouthpiece.

2,595,518
TESTING APPARATUS
William O. Gassett, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application August 9, 1946, Serial No. 689,461
2 Claims. (Cl. 250—20)



1. A radio receiver testing device comprising means for producing a mixture of radio frequencies, means for producing audio frequency energy for the modulation of the radio frequencies, amplifying means, switching mechanism for interconnecting the amplifier, the audio frequency producing means and the radio frequency producing means, attenuating means for adjusting the output of the amplifier to the desired level, an outlet to feed the output of the amplifier into a radio receiver to be tested, metering devices to measure the output of said receiver and means for adjusting the sensitivity of the metering devices to accommodate the attenuation of the output level of the amplifier.

2,595,519
ELECTRONIC COUNTER
William Anthony Geohegan, Larchmont, N. Y.
Application April 13, 1946, Serial No. 662,038
14 Claims. (Cl. 235—92)



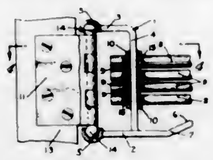
14. In an electronic counting ring for counting impulses from a source, a plurality of units operatively interconnected having an amplifier limited to a single anode, cathode and control grid in each unit, a cathode grounding resistor through which the cathodes of all amplifiers are connected to ground, a series of grid resistors for each unit, a gas tube in each unit interposed in the circuit between the anode of each amplifier and the control grid of every other amplifier, there being one of the resistors located between the gas tube and the control grid of every other amplifier, a sharp cut off device grounding resistor interposed between each gas tube on the side toward the control grids and ground, an impulse resistor interposed between the source of the impulse to be counted and each control grid and a unit transfer resistor and capacitor interposed in series between each gas tube on the side toward the control grids and the control grid of the next unit.

2,595,520
ENCLOSED FLUORESCENT LIGHTING DEVICE
John J. Guerin, Flint, Mich.
Application March 26, 1947, Serial No. 737,335
2 Claims. (Cl. 240—51.11)



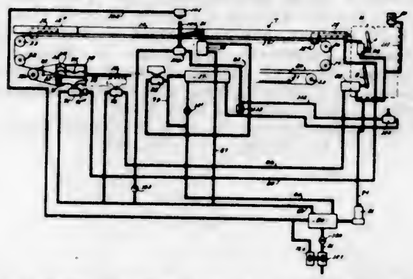
1. A weatherproof, explosion-proof and liquid-tight fluorescent lighting comprising an elongated transparent shield of approximately U-shaped cross-section having spaced approximately parallel side walls and an approximately semi-cylindrical portion interconnecting said side walls and arching over the space therebetween, an elongated base structure including inner and outer elongated angle members having laterally-spaced elongated side flanges extending along the opposite longitudinal edges of said angle members, the inner member side flanges extending in the opposite direction to the outer side flanges, the spaces between said side flanges being substantially equal to the thickness of said shield side walls and said shield side walls fitting snugly into said spaces in liquid-tight relationship therewith, said inner angle member having an elongated plate-like top portion extending between its side flanges, a fluorescent lighting fixture mounted on said top portion within said shield, cap-like end members secured to said base structure in snugly fitting engagement with the ends of said shield in liquid-tight relationship therewith, said end members having arcuate flanges extending around the peripheral end portions of said shield, said inner angle member having an elongated bottom opening between its side flanges, and an elongated bottom member mounted in spaced relationship to said top portion adjacent the outer edges of said inner angle member side flanges and closing said bottom opening, said bottom member having end portions bent relatively thereto toward and into engagement with the ends of said top portion in closing relationship with the ends of said bottom opening of said inner angle member.

2,595,521
CLOTHES DRYING RACK
Raymond N. Hanson, Minneapolis, Minn.
Application September 27, 1948, Serial No. 51,331
2 Claims. (Cl. 211—86)



1. In a device of the class described, a bracket formed from a single length of flexible resilient wire and comprising a pair of spaced arms and a connecting main body portion, opposed cup-shaped sockets on the free ends of said arms, and a plurality of hanger bars pivotally secured to the intermediate portion of said main body for independent movements in a plane transversely of said main body.

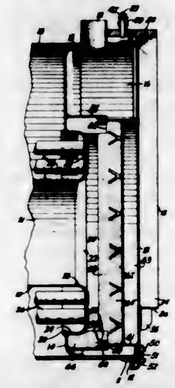
2,595,522
FEED MECHANISM AND CONTROL SYSTEM FOR BAR FEEDS FOR SCREW MACHINES
Bernard C. Harney, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 37,646
3 Claims. (Cl. 29—60)



1. A power control system for stock bar feeds for screw machines, the bar feed being characterized by a guide for the stock bar, a feed plunger movable along the guide in one direction to feed the plunger and in the opposite direction to withdraw the plunger to receive a new bar in front of it, an actuator for the plunger and a reversible motor for the actuator, the screw machine being characterized by a rotatable hollow spindle in which the stock bar is fed, a collet in the spindle rotatable therewith, mechanism for rotating the spindle and for opening and closing the collet, comprising an operating lever for the collet, a drive shaft, and a clutch having an engaging and throw-out movement to clutch and declutch said mechanism to and from the drive shaft, a reversible motor for the screw machine clutch; the power control system comprising a power feed line having two branches leading to opposite ends of the reversible motor for the actuator, a main reversible control member between the branches, means for reversing the control member, one branch leading to one end of the clutch motor and to said means for effecting the reversing of the main reversible control member therein, said one branch having a sub-branch to the other end of the clutch motor, first and second control members in said one branch and its sub-branch located to be opened respectively by the actuator when it approaches the end of its plunger feed stroke and at the beginning of its plunger feed stroke, the system being characterized by a third control member in said one branch in series with the control member which is opened by the flow of power when the actuator approaches the limit of its plunger feed stroke, the third control member being opened by the collet operating lever, and means operated by the actuator when at the end of its plunger retracting stroke to re-reverse the main control member and control means in the branch to the actuator motor for initiating feed action thereof.

2,595,523
FIRE TUBE BOILER HAVING REMOVABLE SMOKE BOX CLOSURE
Louis John Heno, Titusville, Pa., assignor to Struthers Wells Corporation, Titusville, Pa., a corporation of Maryland
Application August 17, 1950, Serial No. 179,931
3 Claims. (Cl. 122—149)

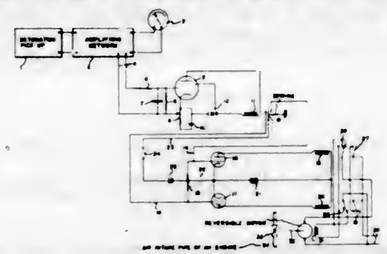
1. A boiler comprising a boiler shell, a combustion tube within said shell, a rear transverse tube sheet across the rear end of said shell in forward spaced relation to the rear end thereof to provide a rear chamber in said shell, said tube sheet having an opening of larger size than said combustion tube and registering therewith, an annular subhead having its inner part secured to the corresponding end of said combustion tube and extending radially outwardly therefrom, an outer annular flange on said subhead projecting axially away from said one end of said shell toward said tube sheet and joined thereto around said opening whereby said subhead provides an annular protuberance projecting axially from said tube sheet toward said one end of said shell, a series of forward pass boiler tubes adjacent said combustion tube and connected with said projecting subhead, a series of rearward pass boiler tubes remote from said combustion tube and connected



with said tube sheet, a removable closure member for the rear end of said shell, a gas outlet flue from said rear chamber, a metal tubular member interposed between said projecting subhead and said rearward pass boiler tubes and secured to said tube sheet to project rearwardly therefrom part way across said rear chamber and thus to provide an annular channel formed by said tube sheet, projecting subhead and metal tubular member, a tubular refractory lining for said metal tubular member and fitted in said channel and engaging said projecting subhead and tube sheet, a second metal tubular member secured to said closure member to project forwardly therefrom and generally registering with said first tubular metal member, and a disk-like refractory lining for said second metal tubular member and arranged to mate with the rear end of said first refractory lining.

2,595,524
APPARATUS FOR CONTROLLING INTERNAL-COMBUSTION ENGINES
Clarence O. Henneman and Deslonde R. de Boisblanc, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application July 19, 1945, Serial No. 606,005
2 Claims. (Cl. 123—119)

1. Control apparatus for an internal combustion engine comprising, in combination, a detonation meter for producing a voltage representative of the average knock intensity in a cylinder of an internal combustion engine, a control lever for regulating an operating variable of said engine whereby movement of said lever in one direction causes the engine knock intensity to increase and movement of said lever in another direction causes the knock intensity to decrease, and means controlled by the amplitude of said voltage to move the lever in said one direction



when the amplitude falls below a first predetermined value and to move the lever in said other direction when the amplitude rises above a second predetermined value.

2,595,525
MINING DRILL
Elmer J. Huckshold, St. Louis, Mo., assignor to Central Mine Equipment Company, St. Louis, Mo., a corporation of Missouri
Application March 11, 1947, Serial No. 733,816
3 Claims. (Cl. 255—69)

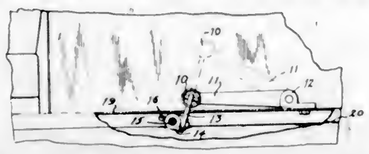


1. In a mining drill, a head having a tapered socket therein with a larger cross sectional portion at the free end of the head, said head having a recess in the socket extending lengthwise thereof with a transverse cross section presenting more than two symmetrically spaced corners, a tapered wedge fitting within said socket, said wedge having a longitudinally extending recess therein with a transverse cross section presenting more than two symmetrically spaced corners, the recess in said wedge being disposed in a position complementary with the recess in the socket providing a cavity for receiving a bit having a polygonal cross section, said corners in both of the recesses being twice as many as the number of corners on the bit so that the bit may be arranged in the cavity in a plurality of orientations differing by less than the angle between faces on the polygonal shaped bit whereby a cutting portion of the bit may be adjusted with respect to the direction of rotation of the drill.

2,595,526
AUTOMOBILE FOOTREST
Robert F. Kaeintz, San Francisco, Calif., assignor of forty-five per cent to Le Roy D. Holdren, San Francisco, Calif.
Application June 8, 1950, Serial No. 166,880
2 Claims. (Cl. 296—75)

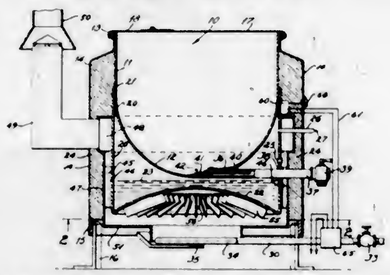
1. An automatic receding foot-rest for automobile bodies, comprising a transversely extending bar-like foot-rest having arms extending at right angles at the ends thereof adapted and arranged to be pivotally secured to the floor of an automobile body, a push-rod slideably mounted below the floor of said automobile body and

adapted to move transversely of said body when engaged at its end by a door of said body, a spring means for moving said push rod outwardly when said door is opened, a link-carrying member secured in a fixed position upon said push-rod, and a link extending from said link-carrying member pivotally connected to said trans-



versely extending foot-rest member, said link-carrying member being so positioned upon said push-rod with respect to its door-engaging end that said link will operate to raise said foot-rest member into an operative position when the door is closed and permit said foot-rest to assume a lowered position upon the floor of said body when said door is opened.

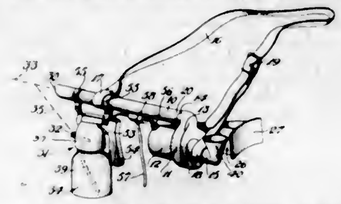
2,595,527
JACKETED COOKING VESSEL
Edward L. Kells, Covina, and Glen W. Miller, Alhambra, Calif.
Application March 5, 1947, Serial No. 732,642
3 Claims. (Cl. 126—378)



1. A unitary, self-contained, substantially portable apparatus for heating materials, comprising a vessel adapted to receive the materials, a jacket enclosing at least a portion of the vessel and continuously welded thereto, thereby providing an hermetically sealed space surrounding said portion of the vessel, said space being evacuated of air and non-condensable gases, a body of liquid partially filling said space, said jacket having a cylindrical side wall and a circular bottom, and a plurality of vertically extending, outwardly projecting, heat absorbing fins secured to its side wall, a casing of heat insulating material enclosing the jacket, in spaced relation thereto, adjacent the outer edges of the fins, a collector ring within the casing at the upper ends of the fins, and a burner below the jacket for heating the liquid in said hermetically sealed space and for the uniform transfer of heat to the vessel by the condensation of vapor thereon.

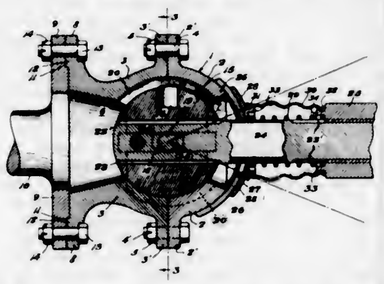
2,595,528
PORTABLE INSULATION SPRAYING DEVICE
James L. Kempthorne, Essex Fells, N. J.
Application April 28, 1950, Serial No. 158,810
3 Claims. (Cl. 299—86)

1. A portable manually carried spraying device comprising an elongated tubular barrel straight throughout its length and open at its front and rear ends, a motor driven pump unit, said pump having a forwardly disposed discharge spout connected with the rear end of said barrel, an intake tube extending rearwardly from said pump and having an open top hopper at its rear end, a body engaging brace consisting of a horizontal longitudinally curved chest engaging plate extending transversely of said barrel and said pump unit and being offset to one side of the barrel for its entire length, said plate having



forwardly extending supporting arms secured at their front ends to the pump and the motor at the adjoining side of the pump unit, and a suspension strap of a length adapting it to be passed about the neck of the person and having one end connected with said intake tube and its other end connected with said barrel, the upper open end of the hopper lying in substantially the same horizontal plane as the top edge of the chest engaging plate, so that the suspension strap will not interfere with the feeding of material into the hopper and to said intake tube.

2,595,529
UNIVERSAL JOINT
Steve Kiss, Miami, Fla.
Application June 2, 1950, Serial No. 165,655
2 Claims. (Cl. 64—7)



1. A power transmission device of the character described, including a driving element and a driven element, a substantially spherical shaped housing secured to the driving element, said housing having openings therein at diametrically opposite points, a ball of diameter slightly less than the inner diameter of the housing positioned within the housing, means for slidably keying the ball to the housing, comprising a pair of key members mounted on the ball in spaced relation about a great circle thereof, and complementary key receiving grooves formed in the inner spherical surface of the housing, each of said key members having a cylindrical shaped shank and an arcuate substantially rectangular shaped head portion, the length of the head being greater than the diameter of the shank and the width of the head being equal to the shank diameter, said ball having a central bore adapted to receive

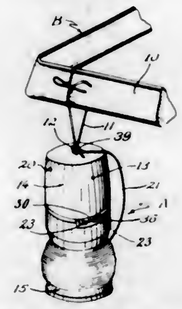
a drive shaft, a drive shaft extending through one of the openings in the housing and having its end portion seated in the central bore of the ball, means to seal the housing in the vicinity of the opening through which the drive shaft passes, comprising an inner arcuate shaped member seated on the housing, said member having an opening larger than the diameter of the shaft, an outer complementary arcuate shaped member mounted on the shaft and in frictional engagement with the inner member, said outer member being movable with the shaft and adapted to cover the opening in the inner member when the shaft is angularly disposed with respect to the housing, and means to maintain said members in frictional engagement.

2,595,530
PLANT MARKER
Herbert H. Kuefner, Des Moines, Iowa
Application July 21, 1950, Serial No. 175,185
3 Claims. (Cl. 40—10)



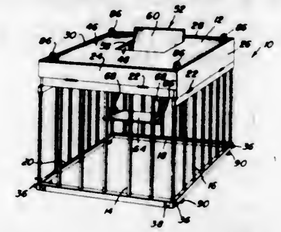
1. In a plant marker, a hairpin shaped rod support member having its upper portion bent slightly backwardly, an indicia holder comprising, a length of transparent solid material having one end portion bent under and back upon but not touching itself, its other end portion bent first under and back so as to overlap said first mentioned end portion and then extending outwardly to form a flange, two spaced openings extending transversely through said flange and the free ends of said rod support member extending through said respective openings to a point whereby said indicia holder is supported thereon at its upper portion.

2,595,531
FLOAT MARKER
John E. Lawson, St. Paul, Minn.
Application April 12, 1951, Serial No. 220,668
7 Claims. (Cl. 9—9)



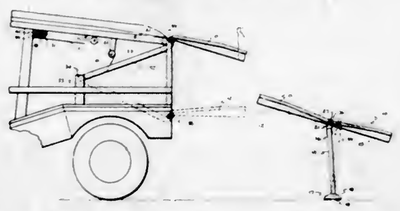
1. A marker for locating buoyant articles including two buoyant members, means connecting one of said members to an article, a line connecting the buoyant members, a detachable hinge connection between the members, a resilient member urging the members apart, and a key normally preventing hinging action between the members, said key being made of relatively stiff material which decreases in stiffness when submerged in water.

2,595,532
COMBINED SEAT, TABLE, AND PLAYPEN
Charles R. Leitner, Louisville, Ky.
Application October 12, 1948, Serial No. 54,027
1 Claim. (Cl. 5—99)



An article of furniture comprising a platform having spaced upper and lower walls and adapted to be reversed from an initial to an inverted position, a plurality of side sections foldably attached to said platform and coacting together to provide a perimetric enclosure, said walls having aligned openings therethrough, the portions of said wall about said opening in said upper wall forming a table top, said side sections being foldable on one another and on said platform in superimposed relation, means for selectively locking said side sections against collapsing, a collapsible seat unit including a seat panel and a back rest panel removably attached to said seat panel, foldable straps attaching said seat panel between said upper and lower walls, said seat panel being removable between said upper and lower walls upon collapsing of said seat unit, said back rest panel being adapted upon separation from said seat panel to constitute a continuation of said upper wall, said seat panel being received in between said upper and lower walls in order that said side sections could be selectively folded on said lower wall.

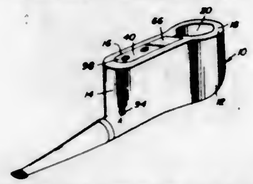
2,595,533
LOADING EQUIPMENT FOR VEHICLE CARRYING TRAILERS
Edward Mullen and John Boyko, Detroit, Mich., assignors to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application May 10, 1946, Serial No. 668,964
10 Claims. (Cl. 193—41)



1. In equipment of the type described, a supporting assembly comprising spaced upright

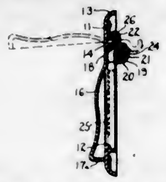
members and a cross-member extending between said upright members, said cross-member being connected to said upright members to permit relative movement between said cross-member and said upright members about axes parallel to each of said upright members and another axis coincident with the centerline of said cross-member whereby said spaced upright members can be positioned so that a plane which includes one of said upright members and said cross-member will not include a second of said upright members.

2,595,534
SELF-LIGHTING PIPE
Eugene W. Nicholson and Elbert Goats, Harrison, Ark.
Application May 6, 1948, Serial No. 25,384
5 Claims. (Cl. 131—185)



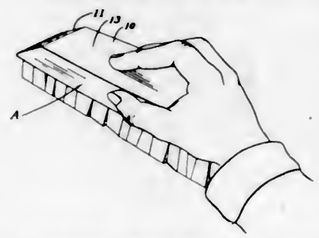
1. A smoking pipe comprising a bowl having a tobacco receiving chamber, a hollow extension projecting laterally from said bowl, a lighter unit mounted in said extension and having a recess in its upper portion and a closure for said recess, a spring yieldingly forming part of said lighter unit and urging the closure to an open position, said lighter unit including a flint engaging wheel, a pivot pin forming a portion of the lighter unit and supporting the closure, said pivot pin also supporting said wheel and said spring, means carried by said closure for imparting rotation to the wheel during opening of the closure, a pivotal lever forming a portion of the lighter unit for holding the closure in its closed position, resilient means acting on said lever for urging the latter to a position for holding the closure in its closed position, and a plunger slidably carried by said extension for engaging the lever to urge the lever against action of the resilient means.

2,595,535
SLOTTED LETTER BOX PLATE AND COVER THEREFOR
Stanley Nowakowski, Meriden, Conn., assignor to The H. B. Ives Company, New Haven, Conn., a corporation of Connecticut
Application May 17, 1948, Serial No. 27,401
1 Claim. (Cl. 232—45)



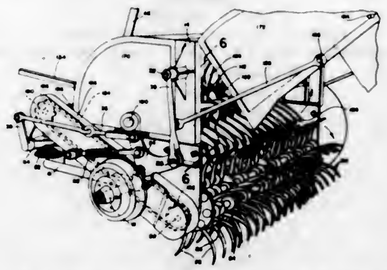
A plate for letter boxes or the like, said plate being provided with a mail slot therein, a cover for said slot, the greater part of said cover being disposed at the front of the plate, and a portion of the cover along its upper edge extending rearwardly through the slot to the rear of the plate, means at the side edges of the slot hinging said cover to the plate at the rear of the plate and below the upper edge of the cover, said plate being provided with a rearwardly extending flange at its rear face along the upper edge of the slot, the upper edge portion of the cover being provided with a lip of arcuate shape in cross section above said hinge means, said lip embracing said flange, and the edge of the lip being in close proximity to the rear face of the plate when the cover is closed, a spring at the rear face of the plate acting against said lip to urge the cover to closed position, and said cover overlapping the edges of the opening in the plate along its bottom edge and also along the greater part of its side edges at the front of the plate.

2,595,536
MULTIPLE MOTTLER
Pierre P. Pastoret, St. Paul, Minn.
Application June 10, 1948, Serial No. 32,132
1 Claim. (Cl. 41—5.5)



A design forming device for use in decorating painted surfaces, the device including a handle having a series of laterally spaced grooves therein, a resilient strip in each of said grooves, one longitudinal edge of each strip being anchored in the groove and the other edge forming a free edge, each strip having unevenly spaced slits forming a plurality of teeth adjacent its free edge.

2,595,537
ROTARY TILLER FOR REMOVING QUACK GRASS AND THE LIKE
Elmer Pitcher, Minneapolis, Minn.
Application July 12, 1945, Serial No. 604,669
1 Claim. (Cl. 97—40)



In a tillage implement a frame adapted to be drawn by a tractor, a shaft journaled on the frame and carrying digger teeth, a U-shaped support pivotally mounted on the frame, a ground-engaging wheel pivotally mounted on the support at each side of the frame, a rotatable shaft operatively connected to pivot the U-shaped support, a stub lever secured to the rotatable shaft, an operating lever pivotally mounted on the rotatable shaft and adapted to limit rotation of the stub lever in one direction, said stub lever being free to move away from the operating lever to permit ground obstructions to raise the frame assembly, a notched quadrant, and a pawl on the operating lever for engaging notches in the quadrant for limiting the depth to which the digger teeth can penetrate the soil but which will permit said teeth to ride up over an obstruction in the ground.

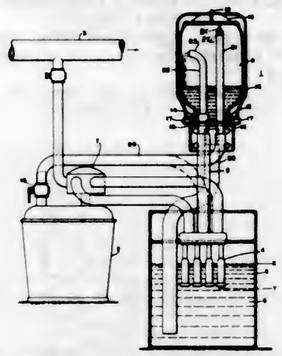
2,595,538
DOWNSPOUT STRAINER
Eugene E. Rausch, Marysville, Ohio, assignor of one-half to William L. Coleman, Marysville, Ohio
Application August 8, 1950, Serial No. 178,264
3 Claims. (Cl. 210—90)



1. A strainer for use in a downspout comprising a pipe section of annular cross-section having an opening therein which extends one-half the circumference of the pipe section, a sleeve of greater length than said opening fitting around the pipe section and mounted for axial movement thereon into and out of covering relationship with said opening, the lower edge of the opening having an outturned lip which limits downward movement of the sleeve, a strainer member of inverted frusto-conical form attached to said sleeve and movable axially therewith so that it will be opposite the opening when said sleeve is moved into opening-uncovering position, said opening being of greater length axially than said strainer member, said strainer member being attached to said sleeve by a U-shape wire which has its upper ends connected to said sleeve, said wire having a transverse lower portion, and inverted U-shape clips on the bottom of said strainer member which straddle said transverse portion.

2,595,539
VALVELESS VACUUM-OPERATED FLUID CIRCULATING DEVICE FOR CLEANING HOLLOW OBJECTS SUCH AS TEAT CUPS AND MILK TUBES
Franklin T. Redman, Jr., Pitcairn, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1948, Serial No. 21,716
8 Claims. (Cl. 134—56)

1. A device for recirculating solutions comprising a pressure tight container having an exhauster pipe extending into the same to which suction is continuously applied while the device is in operation, an intake pipe extending into said container and terminating therein at a level below the terminal level of said exhauster pipe but above the level to which liquid rises in said container, said intake pipe being adapted to conduct a solution in response to suction applied to said exhauster pipe and discharge the same into said container, a tube having one end connected to said intake pipe, the other end thereof being open, a drain outlet for said container, and a tube having one end connected to said drain outlet, the other end being open, said device when mounted at an elevation such that the drain and intake tubes hang free with the open ends thereof immersed in a body of solution whose volume is approximately that of the pressure-tight chamber, and with the open end of the drain tube



below the open end of the intake pipe tube, and suction is applied to said exhauster pipe, causing solution to flow up said tube and intake pipe into said container until the solution level of said body falls below the open end of the intake pipe tube in response to which air enters said container and breaks the vacuum therein, whereupon solution in said container discharges through the drain tube into said body of solution, and when the level of said body rises above the open end of said intake pipe tube, the solution is again drawn into said container only to return to the solution body when the vacuum in the container is broken as aforesaid.

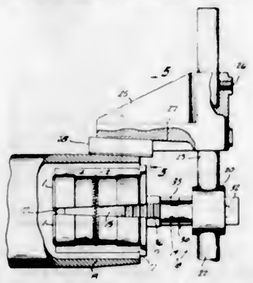
2,595,540
PUMP
Dempson H. Reed, Houston, Tex.
Application August 16, 1946, Serial No. 691,028
9 Claims. (Cl. 103—49)



1. A low steam pressure hydraulic mud pump comprising a steam end having four cylinders, a double acting piston in each cylinder, valves to control the admission of steam to the cylinders, a piston rod operable by each piston, a compensating cross head disposed on each rod, means connected to each cross head to actuate said steam valves, a power section, four power cylinders therein to correspond to said steam cylinders, a double acting piston in each power cylinder and connected to said rods, inlet and outlet ports for each end of each power cylinder, an actuating liquid in said power cylinder to be surged by said pistons, conduit means connected to said power section to combine the discharge from said power cylinders into two connections from said conduit

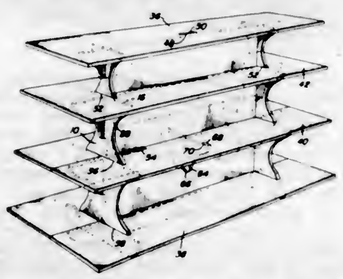
means, a single master cylinder, a double acting piston therein, a balancing means joining one of said two connections to each end of said master cylinder so that liquid leaks in said master cylinder will not cause loss of the power of the four steam cylinders as applied to said master cylinder, a mud end for said pump comprising a single cylinder, a double acting piston therein, a piston rod connecting said master cylinder piston and said mud cylinder piston, and valves for said mud cylinder.

2,595,541
TOOL FOR SHAPING THE ENDS OF CONDUITS
George L. Riordan, Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application December 12, 1947, Serial No. 791,355
4 Claims. (Cl. 144—205)



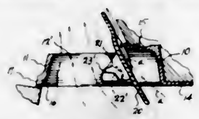
1. A tool for shaping the ends of conduits comprising an expanding mandrel arranged to be inserted into the end of a conduit and including relatively movable members and a central tapered member positioned between said movable members and arranged to be driven inwardly to force said relatively movable members apart, a shaft supported by said central member, a cutter supported from said shaft, and a crank supported from said shaft and arranged to rotate said cutter about the end portion of said conduit, said central tapered member having notches along its side portion arranged to receive an extracting tool to longitudinally extract said tapered member.

2,595,542
KNOCKDOWN PORTABLE SHELF
Claude H. Robbins, Steele, Mo.
Application October 22, 1948, Serial No. 55,931
6 Claims. (Cl. 211—148)



5. A knockdown portable shelf comprising a pair of spaced parallel vertically disposed side members each having a plurality of vertically spaced and vertically disposed slots therein, a plurality of vertically spaced horizontal cross-members having reduced end portions extending through said slots, said slots including lower horizontal edges and said reduced end portions including lower horizontal edges resting against the lower edges of said slots, each of said cross members including an upper flat horizontal edge, horizontally disposed panels supported on the upper edges of said cross members and having slots therein accommodating said side members, each of said side members including a plurality of horizontal portions supporting said panels, and a support member mounted on and disposed transversely of one of said cross members and engaging and supporting the panel disposed above said one of said cross members.

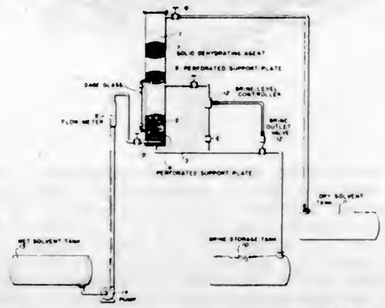
2,595,543
FIREPLACE DAMPER
Albert P. Robinson, Seattle, Wash.
Application March 7, 1947, Serial No. 733,042
3 Claims. (Cl. 126—288)



1. In a fireplace construction; a horizontally disposed rectangular frame comprising front, back and opposite end walls defining the throat passage of the fireplace, said front wall being flanged for support thereon of the masonry across the fireplace opening, a damper plate associated with the frame to control flow of gases upwardly through said passage, and equipped with trunnion supports at its opposite ends pivotally mounted in the end walls of the frame, and about which said plate is adapted to be turned between closed and open positions; said damper plate having a width that is greater than the height of the front wall of the frame and the axial line of said trunnion supports being downwardly offset from the plane of the plate a distance less than the lateral distance between the trunnion axis and the front wall of the frame whereby the plate when in closed position will be disposed horizontally within the upper end of the said passage, and when turned to a forwardly and downwardly inclined position to open the passage, will be moved bodily toward the front wall of the frame and disposed in inclined position adjacent thereto to extend above and below it as a protective shield against fireplace heat and will provide a relatively wide open passage at the back side thereof for the upflow of hot gases through the throat passage.

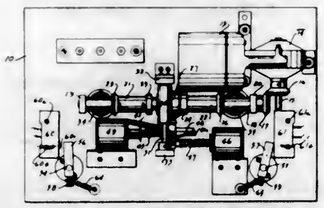
2,595,544
DEHYDRATION OF ORGANIC FLUIDS
Ernest A. Rodman, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 18, 1946, Serial No. 677,505
5 Claims. (Cl. 210—42.5)

1. The process of dehydrating an organic liquid contaminated with water, which comprises dispersing the liquid into the bottom of a column of an aqueous solution of a water-soluble dehydrating salt, the concentration of the solution being relatively dilute at the bottom and relatively concentrated at the top, said organic liquid having a specific gravity less than that of the said dilute salt solution, removing a portion of the water contained in the organic liquid by allowing it to rise through the column of the salt solution, subsequently removing more water from the partially dehydrated liquid by passing it upwardly through a second column containing particulate solid dehydrating salt whereby a concentrated aqueous solution of the salt is formed, causing the said concentrated salt



solution to flow downwardly in the first-mentioned column and become progressively diluted with the water in the said organic liquid flowing upwardly through said column of dehydrating salt solution and withdrawing dilute spent salt solution from the base of the first-mentioned column of solution and the substantially dehydrated organic liquid at the top of the column containing the said solid salt.

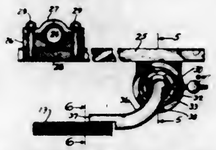
2,595,545
FILM REELING APPARATUS
Benjamin Rose and Samuel Rose, New York, N. Y.
Application December 19, 1947, Serial No. 792,694
11 Claims. (Cl. 95—90.5)



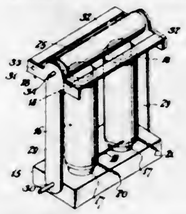
1. In apparatus for processing photographic film, a motor, a pair of driven shafts, a clutch for connecting said motor alternately to either of said shafts to permit the non-connected shaft to revolve freely and independently of said motor, a tank adapted to hold liquid, film winding means driven by said shafts including film reels adapted to be immersed in liquid in said tank, said reels to wind rolls of film, and switch means extending into said tank for controlling said clutch including movable members contacting said film and moved thereby whereby said clutch will be operated to connect said motor to drive said shafts alternately in opposite directions to wind said film in said tank from one roll to the other.

2,595,546
PNEUMATIC SHEET SEPARATING DEVICE
Alvin G. Sampson, Decorah, Iowa
Application August 7, 1950, Serial No. 178,128
6 Claims. (Cl. 271—26)

1. In combination, a printing press having a feed table, a stock sheet support positioned above the table and supported thereby for relative vertical movement, a pile of stock sheets on said support and pneumatic means for raising the upper sheet of the stack relative to the next lower sheet, comprising, a bracket supported from the feed table, a bearing block attached to the bracket, the block having a cylindrical bearing, an air nozzle having its intake end mounted for rotation about the axis of the bearing, the discharge end of the nozzle having its axis substantially perpendicular to the axis of the bearing, substantially one-half of the under surface said discharge end being removed forming a notch, the under surface of the notch resting lightly on the upper surface of the top sheet of the pile, the discharge opening extending partly above and partly below the top sheet, whereby when air under pressure is discharged from the nozzle a portion will be discharged above the top sheet and another portion underneath the same, the air discharged above the sheet serving to raise the sheet and to separate it from the sheet below, the air discharge beneath serving to space it from the second sheet and permit free movement of the top sheet.



2,595,547
ELECTROMAGNET
Herman Schaaf, Philadelphia, Pa.
Application July 11, 1946, Serial No. 682,754
2 Claims. (Cl. 172—126)

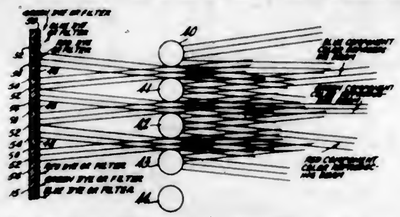


1. An electro-magnet comprising a magnetic element to be energized and having its inner end fixed in a predetermined location, a frame pivoted at its inner end whereby the outer end thereof is oscillatable across the outer end of the magnetic element, and an armature element having an exterior arcuate surface rotatably mounted in the outer end of said frame and to be attracted to the outer end of said magnetic element when the latter is energized, the engagement of the arcuate surface of the armature element with the end of the magnetic element imparting a rotary movement to said armature element.

2,595,548
PICTURE REPRODUCING APPARATUS
Alfred C. Schroeder, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 24, 1947, Serial No. 730,637
19 Claims. (Cl. 313—92)

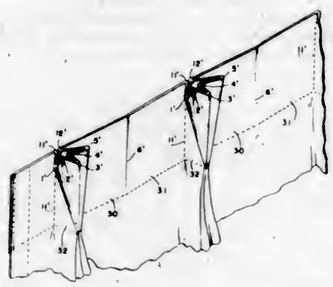
1. An electron discharge tube comprising an envelope, a target mounted within said envelope,

said target including phosphor material on one surface thereof, means within said envelope for supplying and directing electrons along a plurality of converging paths toward said target surface, each of said converging paths intercepting said target surface from a different direction, said means including three electron sources spaced from each other in a triangular arrangement, a



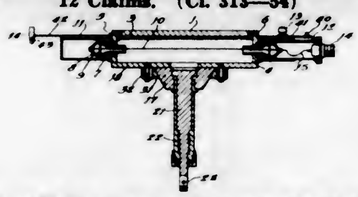
masking screen having a plurality of apertures and spaced between said target surface and said electron supplying means, the portion of said screen between said apertures constructed and positioned to mask parts of said target surface from all of said electrons except those from one direction, and a common electron deflecting means for simultaneously scanning said electrons over said masking screen.

2,595,549
PLEATING OF DRAPERIES
Harry Sherman, Laurelton, N. Y.
Application May 27, 1950, Serial No. 164,725
2 Claims. (Cl. 2—278)



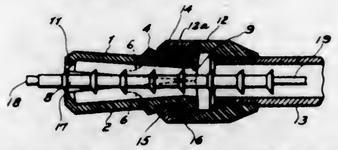
1. The process of forming a pinch-pleated drapery, which comprises pre-pleating a strip of shape-retaining drapery-reinforcing material with spaced apart groups of pinch-pleats and a single independent crease located midway between adjacent groups, stitching to the bottom edge of the strip a supporting edge of drapery fabric, looping the fabric around the strip to enclose it, stitching the fabric in intimate strip-enclosing and -hugging position whereby the location of the pleats and creases is indicated through the fabric, gathering the fabric and its enclosing pleats into grouped pinch-pleats, stabilizing each group of pleats by stitching the fabric through the pleats across one end of each group and along one side leaving the single creases completely free, whereby as the draperies are extended toward each other and retracted from each other the loops of material between adjacent groups of pleats are assuredly centered and similarly as well as symmetrically extended into the room by the single creases of the strip.

2,595,550
RADIATION COUNTER
John A. Simpson, Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application May 22, 1945, Serial No. 595,192
12 Claims. (Cl. 313—54)



1. A radiation counter tube comprising a central electrode and a surrounding substantially cylindrical electrode forming a portion of the counter chamber and having a longitudinal segment cut off therefrom, a sample holder, carriage means for sliding said sample holder longitudinally and in gas tight relationship with respect to said substantially cylindrical electrode so as to selectively move the sample into or out of said counter chamber, and means for adjustably moving said sample holder radially of said substantially cylindrical electrode and normally supporting said sample holder substantially flush with the edges of the longitudinal cut-away portion of said substantially cylindrical electrode.

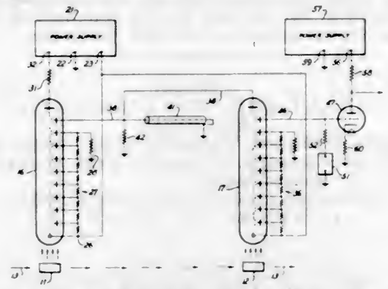
2,595,551
FEEDING DEVICE FOR RIVETS OR SIMILAR ARTICLES
Maurice Stanley Springate, Oaklands, England, assignor to Aviation Developments Limited, Welwyn Garden City, Herts, England, an English joint-stock company
Application May 18, 1948, Serial No. 27,621
In Great Britain May 23, 1947
3 Claims. (Cl. 218—19)



1. A feeding device for rivets and the like, including a housing, at least two jaws protruding out of the forward end of the housing, each jaw being formed at its protruding end with an internal lip provided with a tapered inner surface and intermediate its length with an external projection, and spring means comprising a helical spring located within said housing and acting against surfaces of said housing and said jaws in a direction to urge the jaws into the housing so as normally to hold the external projections on the jaws in contact with the forward end of the housing, the contact surface of at least one of said contacting parts being tapered in a direction to urge the jaws towards their closed position.

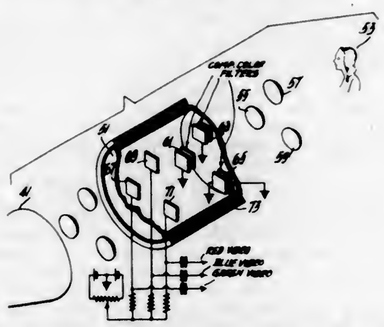
2,595,552
PHOTOMULTIPLIER COINCIDENCE CIRCUIT
Robert E. Thomas, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application September 7, 1950, Serial No. 183,633
6 Claims. (Cl. 250—220)

1. In a coincidence circuit, the combination comprising a first multi-electrode photomultiplier tube, a second multi-electrode photomultiplier tube, delay means connected to the penultimate electrode of said first tube and to the last electrode of said second tube for impressing a delayed positive voltage on said last electrode in response to current flow at said penultimate electrode,



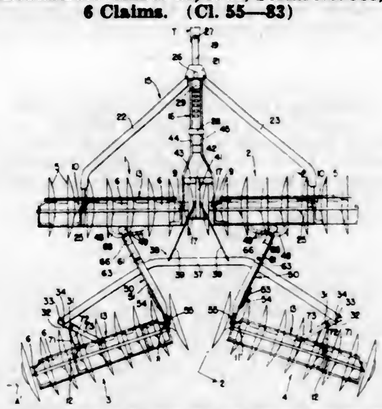
means connected to the penultimate electrode of said second tube for impressing a positive voltage thereat, means connected to the remaining electrodes of said first and second tubes for supplying operating voltages thereto, and output means connected to the penultimate electrode of said second tube.

2,595,553
COLOR TELEVISION SYSTEM
Paul K. Weimer, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1947, Serial No. 783,087
6 Claims. (Cl. 178—5.2)



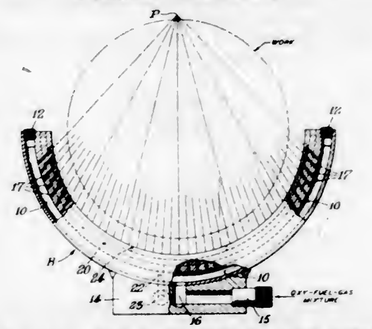
1. The method of developing independent electrical signal trains, each signal train representative of a different selected component color image of an object, comprising the steps of dividing the light from said object into a plurality of selected component color images of said object, converting each of said selected component color images into space separated electrical image representations, developing a primary flying spot scanning raster, forming a secondary scanning raster from said primary flying spot scanning raster for each of said selected component color images, converting each of said secondary scanning rasters into electrical representations, combining an electrical representation of said secondary scanning raster in like registry with each of said electrical image representations and deriving from said combination a signal train for each of said selected component color images.

2,595,554
DISK HARROW
Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 11, 1944, Serial No. 563,002
6 Claims. (Cl. 55—83)



6. In a disk harrow of the type including a front frame means, a front gang, and a rear gang, the combination of a connecting member for pivotally connecting one end of said rear gang to said front gang, and means for connecting the other end of said rear gang to said frame means in different positions relative to the latter, said connecting means including a generally rearwardly extending part pivotally connected at its rear portion to said other end of the rear gang and, at a point forward thereof, to said frame means, and means acting against said part and said frame means at a point spaced from the point at which said part is pivoted to said frame means for fixing the forward end of said part to said frame in different positions of adjustment so as to dispose the rear portion of said part in different lateral positions relative to said frame.

2,595,555
METHOD AND APPARATUS FOR BUTT WELDING GLASS MEMBERS
Raymond A. Wolf, Maplewood, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application August 23, 1948, Serial No. 45,594
2 Claims. (Cl. 49—58)



1. In the method of butt welding members having surfaces of revolution in aligned relation with their opposed ends to be welded spaced apart, the improvement which comprises direct-

ing from an arcuate series of flame ports outside the periphery of said members into the space between the opposed ends of said members a series of coplanar oxy-fuel flames converging to a point beyond the periphery of said members and opposite said flame ports whereby the fishtail caused by impact of the several flames extends outside the periphery of said members.

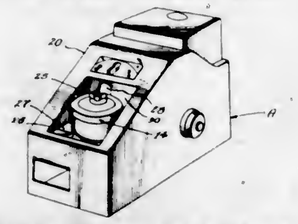
2,595,556
LUBRICATING COMPOSITIONS AND METHOD OF PREPARATION
Harry J. Worth and William H. Page, Rodeo, and James F. Cook, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application June 14, 1948, Serial No. 32,986
19 Claims. (Cl. 252—40.7)

1. A method of producing a metal soap complex comprising reacting a mixture of metal soap and between about 0.1 and 3 equivalents of basically reacting metal compound per equivalent of metal soap with an amount of complexing agent equivalent to the basically reacting metal compound to produce a substantially neutral metal soap complex, said complexing agent being an ammonia derivative of carbonic acid.

2,595,557
LUBRICATING COMPOSITION
Harry J. Worth, Rodeo, William H. Page, Walnut Creek, and James F. Cook, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 28, 1950, Serial No. 181,914
16 Claims. (Cl. 252—42.1)

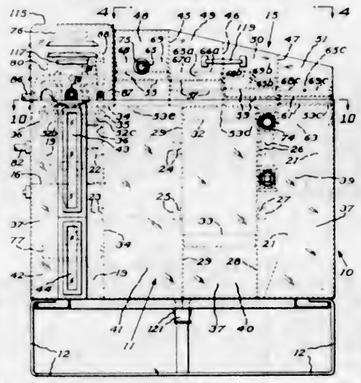
1. A method of producing a metal soap complex comprising reacting a mixture of alkali metal soap and between about 0.1 and 3 equivalents of basically reacting alkali metal compound per equivalent of metal soap with an amount of complexing agent equivalent to the basically reacting alkali metal compound to produce a substantially neutral alkali metal soap complex, said complexing agent being an ammonia derivative of carbonic acid.

2,595,558
POWER PLANT
Peter Altman, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application October 7, 1948, Serial No. 53,259
4 Claims. (Cl. 123—198)



1. A housing for a portable internal combustion engine having a crankcase, an engine cylinder disposed generally inclined with respect to the engine vertical plane containing the crankshaft axis and other accessories carried by the engine, such as a carburetor and air cleaner, said air cleaner being located generally beyond the extreme limits of the engine cylinder, said housing comprising a casing having top, side and end walls, one end portion of the casing comprising an extended portion enclosing said engine cylinder and a portion of the air cleaner assembly, said extended end portion of said housing provided with an opening in the top wall portion through which said air cleaner projects.

2,595,559
PLURAL LIQUID UNIT FOR GRINDING MACHINES
Charles C. Alvord, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 28, 1949, Serial No. 90,171
9 Claims. (Cl. 210—52)

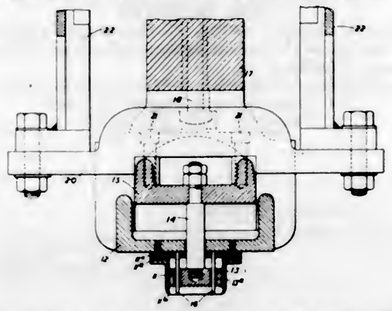


1. A plural liquid unit for grinding machines having a tank having an open top arranged to contain a grinding liquid and a cooling liquid each of which has a different specific gravity so that the cooling liquid settles in the bottom of the tank while the grinding liquid separates into a layer in the upper portion of the tank, a pump chamber in said tank, independent motor driven pumps for separately pumping grinding liquid from the upper portion of said chamber and cooling liquid from the lower portion of said chamber, a pan removably mounted on top of said tank to receive refuse liquid from a grinding machine consisting of a mixture of grinding liquid-coolant liquid and swarf, said pan being shaped to mate with the open top of said tank, a plurality of transverse partitions in said pan arranged to form a relatively long path for the gravity flow of refuse liquid therethrough to facilitate settling-out and collecting swarf in said pan and to facilitate separation of the grinding and cooling liquids before flowing into said tank, and having a discharge aperture in said pan at the end of the long path to convey liquid into said tank.

2,595,560
DEVICE FOR FORMING ARTICLES FROM PLASTIC SHEET OR WEB MATERIALS
Albert Appleton and Richard Arthur Collinge, Earlestown, Newton-le-Willows, England, assignors to T. & T. Vicars Limited, Newton-le-Willows, England, a British company
Application February 3, 1949, Serial No. 74,408
In Great Britain February 7, 1948
1 Claim. (Cl. 107—26)

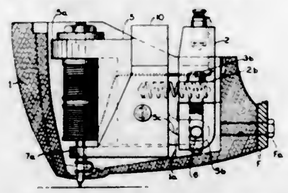
In a machine for forming embossed articles from dough sheet and web material an improved

combined embossing, cutting and ejecting mechanism including, a cutter head, a plate positioned below said head, a cutting shell having a laterally extending flange portion and a downwardly depending cutting edge, said cutting shell being detachably fastened to said cutting head by securing means passing through said flange portion and said plate whereby said plate forms a false bottom for said cutting shell, docker pins fastened to said plate to extend downwardly within said cutting shell, an embossing member disposed slidably within said cutting shell and



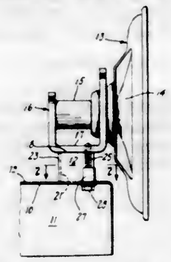
having apertures to enable said docker pins to pass freely therethrough, an embossing stock positioned above said cutter head, a stud connecting said embossing stock and said embossing member passing through a longitudinal bore provided in said cutter head and the plate, and driving connections fastened to said cutter head and said embossing stock, whereby the cutting shell is driven to follow the embossing member on a downward stroke to cut the embossed article from dough sheet and web material and the embossing member is driven to follow the material and the embossing member is driven to follow the cutting shell on an upward stroke to eject the article from the cutting shell.

2,595,561
PHONOGRAPH PICKUP WITH SHOCK-PROOF MOUNTING
Donald J. Baker, Los Angeles, Calif.
Application April 8, 1949, Serial No. 86,318
8 Claims. (Cl. 179—100.41)



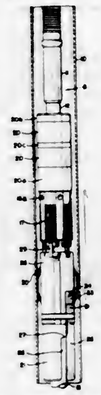
1. A mounting for a pick-up head comprising, in combination, a casing means for rigidly securing said casing to a tone arm, a lower wall in said casing having a stylus opening therein, a pick-up unit completely enclosed within said casing and means for pivotally mounting said pick-up unit on a horizontal axis within said casing and having a stylus positioned to project through said opening, a stop for limiting the pivotal movement of said casing and thereby limiting the projection of the stylus through said opening, a compression spring, means whereby said compression spring normally urges said pick-up head against said stop with sufficient force only to hold said head against said stop and to prevent reverse movement of said pick-up head under the unbalanced weight applied to the stylus from the tone arm, the casing and the pick-up head, whereby any excess reactive force exerted on the stylus will force the stylus back into said casing.

2,595,562
MOUNTING APPARATUS FOR LOUDSPEAKERS AND THE LIKE
Karl H. Becker, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 8, 1949, Serial No. 120,232
3 Claims. (Cl. 248—205)



1. A device for supporting an object upon base structure, said device comprising: a channel member generally U-shaped in cross-section and each leg of which is provided with an outwardly turned flange; a pair of screw-threaded elements each of which is engageable with said base structure, each of said elements extending along a corresponding one of said flanges into position to engage the object to be supported; and a yoke member having portions extending about the free edges of said flanges and cooperating with said flanges to support and retain said screw-threaded elements.

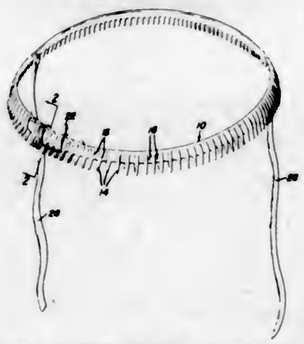
2,595,563
JAR TYPE WELL PACKER
Cicero C. Brown, Houston, and John R. Bass, Brenham, Tex.; said Bass assignor to said Brown
Application September 2, 1947, Serial No. 771,752
10 Claims. (Cl. 166—12)



1. A well packer including a tubular body member supporting for relative movement there-

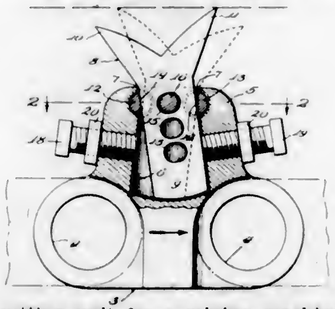
on a sealing element, a slip cage, slips hingedly connected to said cage, a slip-expanding member connected to said sealing element movable into and out of expansive-relation with said slips in response to relative longitudinal movement between said members, opposed jarring shoulders carried by said members engageable upon relative longitudinal movement between said members, and opposed abutment elements carried by said members longitudinally spaced from said shoulders and positioned to be engaged in advance of engagement of said shoulders upon relative longitudinal movement and upon limited relative rotation of said members, said abutment elements having cam-shaped engaging surfaces shaped to slide past each other to effect sudden release therebetween upon application to one of said members of an axially directed engaging force exceeding the resistance of the engaged abutment elements to such release.

2,595,564
HAIRDRESSER'S GUIDE
Robert Budd, Wilmington, N. C.
Application January 30, 1950, Serial No. 141,214
11 Claims. (Cl. 132—11)



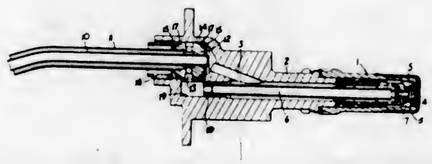
3. A hair dresser's guide comprising an elongated strip of flexible material, said strip being of sufficient length to encircle the head of a wearer, a plurality of spaced apart teeth depending from one edge of said strip, a plurality of transverse ribs on one face of said strip, said ribs corresponding in number to said teeth and positioned contiguous thereto.

2,595,565
CUTTING UNIT FOR MINING MACHINES
James C. Buttrick, Scarbro, W. Va.
Application March 14, 1950, Serial No. 149,596
7 Claims. (Cl. 262—33)



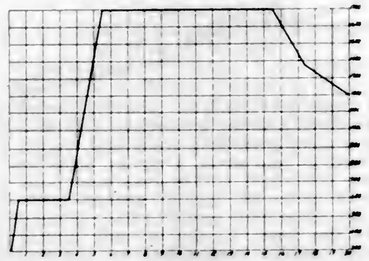
1. A cutting unit for a mining machine cutting chain, comprising a lateral extension formed on a link of said chain, a cavity in said extension, a bit supported in said cavity with its cutting end projecting laterally therefrom, a pair of opposed fulcrum bolts in said extension, pivotally engaging respective edges of said bit, at a point within said cavity and adjustable means for limiting the pivotal movement of said bit.

2,595,566
UNIVERSAL PIPE CONNECTION FOR SPILL BURNERS
Frederick Henry Carey, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England.
Application October 31, 1949, Serial No. 124,633
In Great Britain August 23, 1948
2 Claims. (Cl. 60—39.31)



2. The piping arrangement for establishing flow communication between an outlet of a burner fuel supply duct and an inlet of a gas turbine engine burner housing, and between an inlet of a fuel return collector duct and a burner fuel return outlet in such burner housing, wherein the burner supply and return collector ducts are defined by rigid common structure relative to which the burner housing is subject to movement in different directions, said piping arrangement comprising a generally cylindrical socket recess formed in said burner housing and having axially spaced wall openings therein communicating with the burner housing inlet and outlet respectively, a socket recess formed in said rigid common structure and having wall openings therein communicating with the burner supply and collector ducts respectively, two coaxially arranged pipes extending generally between the burner housing and the rigid common structure socket recess interiors, to define separate flow passages therebetween, universal bearing elements of generally spherical form rotatively received in the respective socket recesses and in turn supportingly receiving the coaxial pipe ends for conjoint tilting of such pipes with such bearing elements in the respective socket recesses, each of said bearing elements having a generally axial end opening therein affording flow communication between the inner of said coaxial pipes and the respective socket recess interiors, each of said bearing elements further having a generally lateral side opening therein affording flow communication between the outer of said coaxial pipes and the respective socket recess interiors, said pipes at one end being fixedly connected to the corresponding bearing element and the latter being fixedly held against axial movement in its socket recess, and said pipes at the opposite end thereof being guided for axial movement in the corresponding socket recess to permit relative approach and separating movement of said burner housing and rigid common structure, and annular seal means surrounding each bearing element and forming a seal thereof with the corresponding socket recess interior at a location therein between the latter's two wall openings.

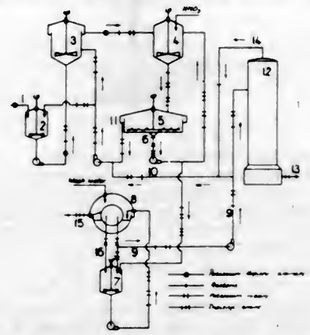
2,595,567
PROCESS FOR PRODUCING MALLEABLE IRON CASTINGS
Lester C. Crome, West Alexandria, Ohio, assignor to The Dayton Malleable Iron Company, Dayton, Ohio, a corporation of Ohio
Continuation of application Serial No. 581,034, March 5, 1945. This application August 24, 1949, Serial No. 112,144
8 Claims. (Cl. 148—3)



2. The process of making malleable iron castings which consists in forming a molten malleableizable white iron mix, adding to said molten mix just before pouring a predetermined small percentage of about 0.003–0.03% of aluminum in such amount as to effect a marked reduction in the size and increase in the number of the nodules of graphitized carbon produced in the casting after malleablizing but insufficient in amount to produce primary graphitization of the combined carbon in the casting as poured, pouring the casting, cooling and removing the casting from the mold as a white iron casting substantially free of graphitization, subjecting the casting to a preliminary heating within the temperature range of about 400° to 800° F. for a limited period of time to develop said marked reduction in the size of the nodules of graphitized carbon produced in the malleable iron casting, and thereafter malleablizing the casting by subjecting said casting to a malleablizing heat treatment, the time during which the casting is subjected to said malleablizing treatment together with the time of said preliminary heating being substantially less than the heating time required to produce a malleablized casting from the same mix in the absence of said aluminum addition under otherwise comparable conditions.

2,595,568
PROCESS FOR CONVERTING A POTASSIUM SALT OF A HIGHLY NITRATED SECONDARY AROMATIC AMINE TO FREE AMINE AND POTASSIUM NITRATE
Jan H. Dijkema and Jan Pluim, Haarlem, Netherlands, assignors to A/S Norduco, Oslo, Norway
Application February 27, 1950, Serial No. 146,432
In the Netherlands January 31, 1949
1 Claim. (Cl. 23—102)

A process for converting a potassium salt of a highly nitrated secondary aromatic amine with nitric acid, comprising the steps of bringing said potassium salt of said amine in the form of a concentrated moist crystalline mass into contact with a substantially saturated solution of potassium nitrate in a mixture of water and acetone, so as to dissolve said potassium salt of said amine, adding nitric acid in an amount which is stoichiometrically equivalent to the present quantity of said potassium salt of said amine, with the object of decomposing said potassium salt of said amine, whereby nitrate of potassium is formed while said free amine is liberated, the proportion of water and acetone added to the said potassium salt of said amine being such as to constitute, together with the amount of water introduced as a part of the said moist crystalline mass and the amount of water admixed with the nitric acid, a mixture wherein the weight ratio water:acetone varies between 60:40 and 70:30, passing the reaction mixture to a thickener, removing from the top of said thickener a considerable part of the aqueous acetone, conveying said aqueous acetone, without



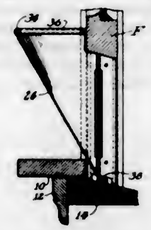
concentrating the same, back to the dissolving step for re-use as solvent for said potassium salt of said amine, discharging the concentrated suspension at the bottom of the thickener, subjecting said concentrated suspension to a separation process, thereby separating the solids from the liquid, distilling off acetone from the latter, recycling the obtained concentrated acetone in the process for dissolving new amounts of said potassium salt of said amine and recovering the potassium nitrate from the residue obtained after said distillation process.

2,595,569
ELECTRIC SWITCH
Albert Edward Felton and Frank Howard Price, Tividale, Tipton, England, assignors to Revo Electric Co. Limited, Tividale, Tipton, England, a British company
Application July 7, 1949, Serial No. 103,456
In Great Britain November 4, 1948
3 Claims. (Cl. 200—153)



3. In an electric circuit controlling switch, in combination, a pair of fixedly mounted contacts the contacting surfaces of which converge toward each other, a movable contact positioned in the angle between the converging fixed contacts with a surface mating with each of the fixed contacts, a spring intermediate the fixed contacts and engaging the movable contact to urge it into contact with the fixed contacts, and a switch operator having a portion cooperating with the movable contact which portion has a path of movement that is generally parallel to one of the fixed contact surfaces in a plane generally normal to both fixed contact surfaces, whereby said switch operator drives the movable contact along one of the fixed contact surfaces as it breaks contact with the other.

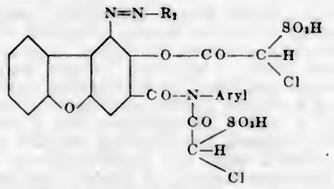
2,595,570
PORTABLE WINDOW VENTILATOR
James A. Ferris, West De Pere, Wis.
Application February 26, 1948, Serial No. 10,971
4 Claims. (Cl. 98—99.2)



1. A window ventilator comprising a deflector plate formed from a rectangular sheet of material, the ends of said sheet being bent so as to form triangular side walls, said side walls also being inclined inwardly and downwardly of said sheet, notches formed in the upper outer edges of said side walls for receiving the lower edge of a window sash, tapered channel shaped retaining members secured to the vertical outer edges of said side walls, said members being adapted to fit in the window sash tracks and to support the sash, said deflector plate being adapted to rest upon the outside window base member or sill, and to extend upwardly and inwardly, the general upper edge of said ventilator being higher than the tops of said retaining members except in those portions of said side walls which are notched to receive the window sash lower rail, the overall width of said ventilator, inclusive of said retaining members, measured along the general lower edge of the ventilator, being less than the width of the window sash, but greater than the clear width of window opening as measured between the interior window stops; the width of said ventilator, at the tops of but exclusive of said retaining members being greater, in the ventilator unsprung condition, than the clear width of window opening between the interior window stops.

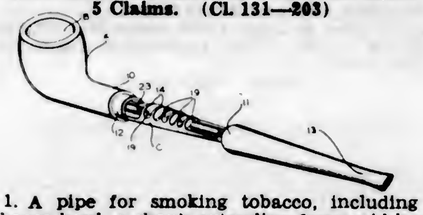
2,595,571
AZO DYESTUFF DERIVATIVES AND PROCESS OF MAKING SAME
Charles Graenacher, Riehen, and Heinrich Bruengger, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application May 20, 1949, Serial No. 94,516. In Switzerland June 2, 1948
9 Claims. (Cl. 260—152)

2. An azo-dyestuff derivative corresponding to the formula



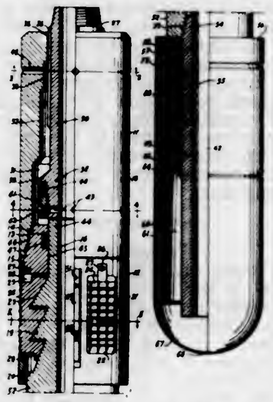
in which R_2 stands for the radical of a diazo component suitable for the manufacture of ice colors, Aryl represents a system of aromatic carbon rings comprising only 6-membered rings of which at most two are condensed, and which is free from further groups imparting solubility in water.

2,595,572
PIPE FOR SMOKING TOBACCO AND BAFFLE UNIT
Donald F. Green, Anoka, Minn.
Application May 12, 1947, Serial No. 747,351
5 Claims. (Cl. 131—203)



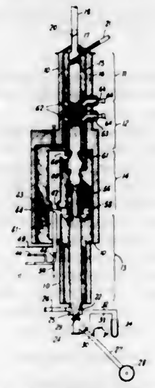
1. A pipe for smoking tobacco, including a tobacco bowl, a shank extending from said bowl, a hollow stem extending from said shank, a bit connected to said stem, a smoke baffle unit removably contained within said stem and comprising a series of upright spaced-apart baffle walls, the outer edge surfaces thereof adapted to contact the inner surface of said hollow stem to form smoke compartments therebetween, each of said baffle walls having a small smoke passageway formed therethrough, said passageways being in staggered relation to each other to connect with a smoke passageway in the bit of the pipe, a base portion formed integral with said baffle walls, a removable absorbent wick-filter, and said base portion having a longitudinal channel formed therein adapted to receive said wick-filter, said channel extending into each of said compartments in said unit.

2,595,573
WELL PACKER
George Green, Houston, Tex.
Application May 23, 1947, Serial No. 749,992
4 Claims. (Cl. 166—12)



1. The combination with a well packer having anchoring slips and means for expanding and retracting the slips and a tubular mandrel depending from the packer, of an elastic sleeve carried on the mandrel, an outer elongate annular elastic skirt formed integrally with the sleeve and depending therefrom, the skirt being flared outwardly and downwardly from said sleeve when in normal unfettered position, a short annular internal elastic lip depending from the sleeve and closely embracing the mandrel below the sleeve, the short lip being formed integrally with the sleeve and being spaced radially inwardly from the skirt to form an annular groove at the bottom of the sleeve between the skirt and the lip, a flanged collar carried by the mandrel adjacent the lower end of the lip, said collar having an upwardly extending marginal flange extending into the groove between the skirt and the lip, and a removable retainer frictionally engaging around the skirt to releasably hold said skirt in retracted fettered position.

2,595,574
SOLID MATERIAL HEATING METHOD AND APPARATUS
Paul R. Grossman, Irvington, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey
Application May 22, 1948, Serial No. 28,586
6 Claims. (Cl. 263—19)

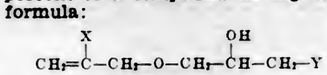


1. The method of continuously heating a moving mass of fluent solid material at a normal operating rate and to a high temperature which comprises introducing a gas heated to a high temperature into said moving mass in a heating zone in a weight 50 to 100% in excess of the theoretical heat requirements to heat the mass of material to a substantially uniform temperature transversely of the moving mass and substantially equal to the temperature of the entering heating gas, passing said heating gas in countercurrent flow through the interstices of said moving mass, discharging a portion of said heating gas generally equal in weight to said excess of heating gas from said heating zone to atmosphere, and utilizing the remaining portion of said heating gas to preheat said moving mass.

3. The process of vitrifying ceramic particle materials which comprises passing a fluent mass of said ceramic particle materials downwardly at a generally uniform rate through heating, soaking and cooling zones, heating the material within said heating zone by direct contact countercurrent heat transfer relationship with a heating fluid having a heat content approximately 50 to 100% in excess of the theoretical heat requirements and being at a temperature substantially equal to the desired ceramic particle temperature, withdrawing and discharging to atmosphere a substantial portion of said heating fluid from the heating zone after said fluid has given up a part of its sensible heat to said ceramic material, utilizing the remainder of said heating fluid to preheat the ceramic material in the remaining portion of said heating zone, soaking said ceramic material at a high temperature within said soaking zone substantially out of direct contact with any fluid to complete vitrification of said material, cooling said material by direct contact countercurrent relationship with a measured stream of cooling air having a weight generally equal to the air weight necessary to combine with fuel to generate the heating fluid theoretically necessary to heat the ceramic particle materials in said heating zone, and combining the heated cooling air from said material cooling zone with a measured mixture of gaseous fuel and air in a separate combustion zone to generate said heating fluid.

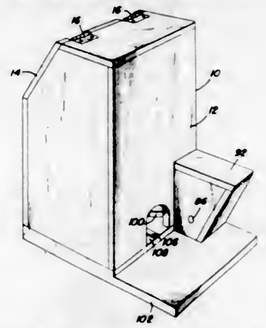
2,595,575
DYEABLE ACRYLONITRILE COPOLYMERS
George E. Ham, Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation, a corporation of Delaware
No Drawing. Application September 15, 1950, Serial No. 185,158
9 Claims. (Cl. 260—85.5)

1. A copolymer of from 80 percent to 99 percent by weight acrylonitrile and from one percent to 20 percent of a compound having the structural formula:



wherein X is a radical of the group consisting of hydrogen, chlorine and methyl, and Y is a halogen atom of the group consisting of chlorine and bromine.

2,595,576
SMOKING PIPE FILLING MACHINE
Albert L. Hand, Klamath Falls, Oreg.
Application December 22, 1949, Serial No. 134,540
10 Claims. (Cl. 226—125)

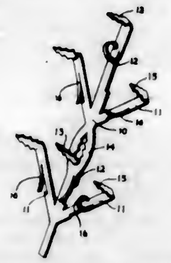


1. A pipe filling device comprising a tobacco container, a hopper in said container having an aperture in the lower end thereof, closure means for said aperture horizontally movably attached to said container, pipe retaining means attached to said container below said aperture, tobacco tamping means vertically reciprocably mounted in said container for movement through said aperture, common means for sequentially moving said closure means into its aperture opening position and said pipe tamping means through said aperture.

2,595,577
CORSAGE FRAME
Chris N. Harris, Youngstown, Ohio
Application March 31, 1950, Serial No. 153,033
2 Claims. (Cl. 41—12)

1. In a corsage frame having an elongated flat body and a plurality of oppositely disposed, side-

wardly extending arms thereon, one end of said body and the outermost ends of said arms being upturned, serrated and pointed to form barbs upon which flowers may be impinged, longitudinally extending, partially severed sections of said



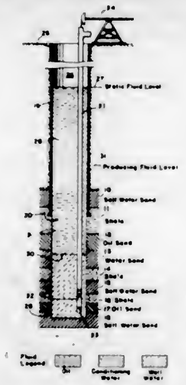
body and arms forming wrapping members affixed endwise thereto for spiral wrapping about stems of said flowers, a secondary upturned and pointed barb formed from a cutout portion of the center part of said elongated body.

2,595,578

FLUID INGRESS LOCATION IN WELLS

Ralph E. Hartline and Robert P. Murphy, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application December 30, 1949, Serial No. 135,908
14 Claims. (Cl. 175—182)



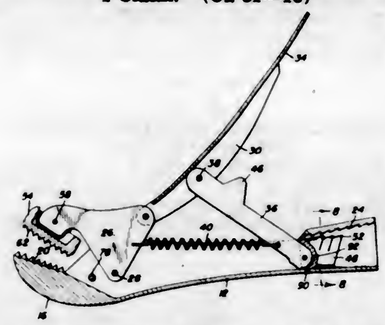
1. The method of testing a well which comprises the steps of first producing said well to create a substantial reduction in the bottom-hole pressure below its static value, then introducing rapidly into the well annulus a quantity of conditioning liquid calculated to increase said bottom-hole pressure by a substantial portion of said reduction, continuing to produce said well and to introduce said conditioning liquid at a reduced rate which is a substantial fraction of the well-producing rate, until said conditioning liquid reaches the bottom of a test zone in said well and forms in said well annulus a column extending at least through said zone, and measuring as a function of depth a property of said conditioning liquid characterizing its contamination by entering formation fluids, while producing said well and drawing down said conditioning liquid column through the well test zone.

2,595,579

HAND VISE

George L. Hawkins, Richmond, Mo.

Application November 15, 1948, Serial No. 60,126
1 Claim. (Cl. 81—18)



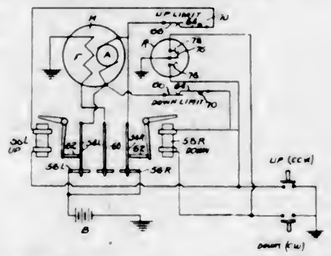
A tool comprising a tubular handle, a longitudinal ratchet in said handle, a fixed jaw on the handle, a pivoted jaw on the handle cooperable with said fixed jaw, an operating lever pivotally connected to said pivoted jaw, a supporting link for the lever having one end pivotally connected to said lever at an intermediate point, a pawl pivotally connected to the other end of the link and rockable and slidable in the handle, and normally spaced abutments on the pawl and the link, said abutments engaging one another after initial independent movement of said link in one direction, so that continued movement of said link in said one direction rocks said pawl into engagement with said ratchet.

2,595,580

CONTROL MECHANISM FOR AUTOMOBILE WINDOWS AND THE LIKE

Hillary L. Hill, Detroit, Mich., assignor to A. S. Campbell Co., Inc., Boston, Mass., a corporation of Massachusetts

Application November 18, 1947, Serial No. 786,717
9 Claims. (Cl. 268—124)



7. A power-operated device for a reciprocating part comprising a reversible electric motor and a train of mechanism taking motion from the motor for connection to said part to move the part up or down, as the case may be, according to the motor's direction of rotation, a source of power for said motor, two motor circuits connecting said motor to said source of power so as to provide different current paths from said source through the motor armature, each circuit including a double throw switch connected between the armature winding and the field winding of the motor, said switches being normally positioned so as to prevent energization of the motor, a relay to actuate each of said double throw switches, an energizing circuit for each relay connecting said relay to the source of power, each of said energizing circuits including a manually operated switch for selectively energizing one of the relays to displace one of said double throw switches into its closed position thereby closing one of the motor circuits to effect rotation of the motor in a desired direction, and a switch driven by said motor driven mechanism to temporarily connect through auxiliary circuit means the previously non-energized relay to the source of power through the displaced double throw switch, as said displaced switch moves back to its initial position following release of the manual switch, to thereby close the previously open motor circuit.

2,595,581

THERMAL POLYMERIZATION OF ALPHA METHYL STYRENES

Hugh Campbell Highet and Francis Edward Salt, Banstead, and Herbert Muggleton Stanley, Tadworth, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application January 24, 1949, Serial No. 72,544. In Great Britain February 7, 1948
12 Claims. (Cl. 260—669)

1. A process which comprises polymerising an alpha-methyl styrene compound selected from the group consisting of alpha-methyl styrene and its lower nuclear homologues by heating a solution thereof in an inert diluent, of a concentration not exceeding 90% by weight, in the absence of a polymerisation catalyst, in the liquid phase, at a temperature in the range 290–350° C.

2,595,582

CHAIR HAVING SPRING SUPPORTED PIVOTED SEAT AND BACK REST

Alfred C. Hoven, Walter E. Nordmark, and Donald S. Huhta, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application December 27, 1948, Serial No. 67,402
4 Claims. (Cl. 155—53)



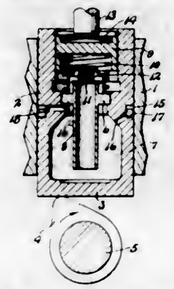
3. In a chair structure: spaced upright chair supporting standards, side frames pivotally connected to the forward parts of the standards and extending rearwardly from said pivotal connections and thence upwardly, a chair seat pivotally mounted on and between the side frames and movable to a raised position of non-use and to a lowered position for occupancy, stop means associated with the side frames and the seat for limiting the lowering movement of the seat to its position for occupancy, a chair back mounted on and between the upwardly extending portions of the side frames, springs associated with the standards and with the rearwardly extending portions of the side frames below the seat level for resiliently supporting the side frames rearwardly of their pivotal connections to the standards, and stop means associated with the side frames and the standards for limiting the lowering movements of the rearward ends of the side frames.

2,595,583

OIL SUPPLY FOR HYDRAULIC TAPPETS

Charles E. Johnson, Muskegon, Mich., assignor to Johnson Products Inc., Muskegon, Mich., a corporation of Michigan

Application September 26, 1949, Serial No. 117,832
4 Claims. (Cl. 123—90)



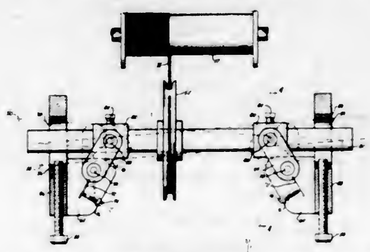
1. A hydraulic tappet having a hollow body closed at its lower end and an oil supply chamber in the lower part of said body, and a piston ring mounted on and around said body, said body having a horizontal groove of dimensions to receive said ring, and permit axial movement of the ring relative to said body, and having an oil conducting passage between the lower inner portion of the groove and said chamber.

2,595,584

LEVEL WINDING MECHANISM

Charles F. Jones, Electra, Tex.

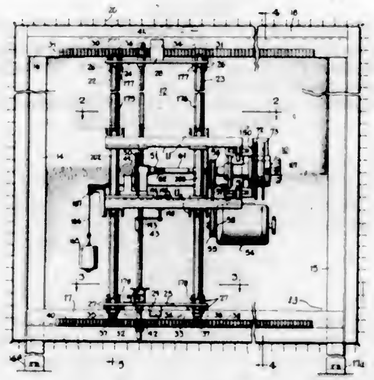
Application May 24, 1949, Serial No. 94,999
4 Claims. (Cl. 242—157)



1. In level winding mechanism for use with cable spooling apparatus including a drum, the combination comprising spaced apart supporting brackets, a slotted opening in each of said brackets, a shaft extending through said openings, a pair of collars adjustably secured to said shaft and each collar being spaced inward from one of said slotted openings, a link pivotally interconnecting each of said brackets to each of said collars to permit swinging action of said shaft, adjustable means on said brackets for

limiting the movement of said shaft in said openings, and a freely rotatable guide sheave slidably mounted on said shaft.

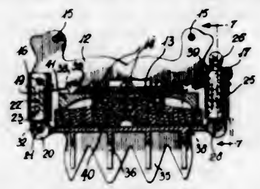
2,595,585
AUTOMATIC CARPET TUFTING AND PILE CUTTING MACHINE
Richard C. Kline, Mount Kisco, N. Y.
Application March 10, 1950, Serial No. 148,946
3 Claims. (Cl. 112—79)



1. A tufting and pile cutting mechanism for forming in a base fabric a cut pile filamentary material, said mechanism comprising: a needle and a combined stepper and pile cutting device, the latter consisting of a pair of resilient blades having oppositely bevelled shearing ends; means mounting said needle and blades in superimposed relation for longitudinal displacements relative to each other along substantially parallel paths, and said blades in sliding engagement with each other with their bevelled shearing ends superimposed in oppositely biased relation, said means including a frame and a series of three thrust bars slidably mounted therein, together with means mounting said needle on a first said thrust bar and said blades on the second and third thrust bars respectively; a drive shaft journaled to said frame; means including said drive shaft and an eccentric thereon linked to said needle thrust bar for reciprocating the same; and cam means on said drive shaft for concurrently reciprocating said second and third thrust bars in intermittent, lagging timed relation to said needle thrust bar for forming in said base fabric a tuft of said filamentary material, and for thereafter longitudinally displacing one said thrust bar relative to the other during a portion of each cycle of reciprocation, for causing said blades to sever said tuft into an upstanding strand of said filamentary material.

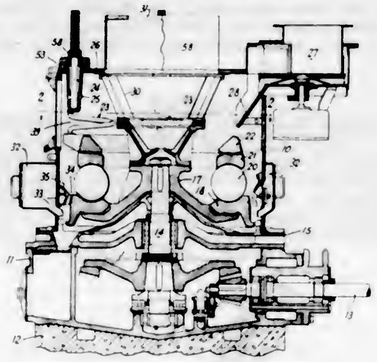
2,595,586
CLIMBING ATTACHMENT FOR SKIS
Ernest Lapointe, Magog East, Quebec, Canada
Application June 10, 1949, Serial No. 98,280
In Canada March 31, 1949
3 Claims. (Cl. 280—11.37)

1. In a ski attachment of the character described, a frame affixable across the ski extending laterally thereof, an extensible resilient link at each end of the frame, one of said links pivoted to the frame and the other link having means for releasably and resiliently securing it to said frame, said securing means comprising a pair of lugs projecting out from one end of said frame and a wing-bolt on the corresponding link, the body of said bolt adapted to fit between said lugs and the winged head adapted to engage same, and a plate for snow-gripping pur-



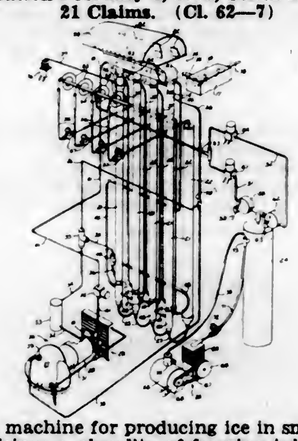
poses pivoted at each end to one of said links; whereby said links and plate may be swung in a plane transverse the ski and selectively fastened so that said plate occupies an inoperative position across the top and an operative position across the bottom of the ski.

2,595,587
RESILIENT MOUNTING FOR PULVERIZER GRINDING RINGS
Lester L. Leach, Barberton, Ohio, assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey
Application October 31, 1947, Serial No. 783,248
6 Claims. (Cl. 241—58)



1. A pulverizer comprising a housing, a bottom ring within said housing arranged for rotation about a vertical axis and having an upper annular grinding surface, a plurality of rolling grinding elements in contact with said grinding surface, an upper ring having a lower annular grinding surface in contact with said rolling grinding elements, and means for simultaneously exerting a resilient compressive pressure upon said rings and rolling grinding elements and exerting a torsional pressure for maintaining said upper ring in a non-rotative position centrally of said vertical axis including, a plurality of brackets affixed to said housing at equally spaced positions about said axis of rotation, a threaded bolt projecting vertically through each of said brackets, a vertical keyway in each bolt, a key positioned in each bracket to engage said keyway, a nut engaging said threaded bolt for vertical adjustment thereof, and a coil spring having one end affixed to each of said bolts and its opposite end affixed to said ring at circumferentially equally spaced positions.

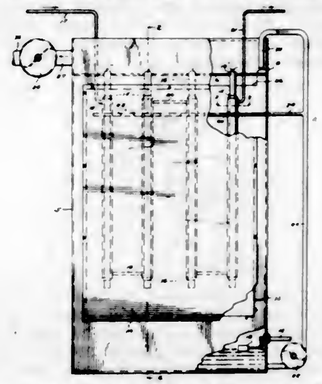
2,595,588
ICE-MAKING MACHINE AND METHOD
Aaron Lee and Eli Lieberman, Miami, Fla.
Application February 4, 1950, Serial No. 142,392
21 Claims. (Cl. 62—7)



1. A machine for producing ice in small pieces, comprising: a plurality of freezing tubes; means for intermittently supplying water to said tubes in controlled amounts as required for freezing; a refrigeration system and controls therefor arranged to cause freezing of columns of ice in said tubes and thawing the same loose from the tubes on alternate phases of the refrigeration cycle, respectively; devices whereby air pressure is applied to the ice columns at one end thereof and independently of the water supply means to forcibly eject the same from said tubes when they are freed therefrom, said devices comprising a plurality of air accumulators, one for each freezing tube, a source of air supply that is independent of the water supply means and connections between the source of air supply and the several accumulators constructed to separately deliver air to the lower portions of the accumulators in timed sequences; and breaker members against which said ice columns impinge when so ejected, such members being arranged to cause the ice to be thereupon broken into pieces of predetermined small size.

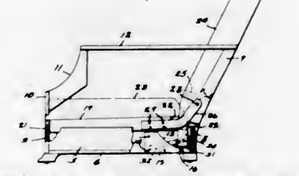
2,595,589
EVAPORATIVE CONDENSER
Aaron Lee and Eli Lieberman, Miami Beach, Fla.
Application March 7, 1950, Serial No. 148,212
5 Claims. (Cl. 257—37)

1. In a condenser of the character described the combination with a closed chamber, a pair of tubes disposed in said chamber one of which is disposed in and lies in spaced relation to the other, means for conducting a hot gas to and from the space between said tubes, a water receptacle into which the upper end of the inner of said tubes opens so that water from said receptacle may fall in a film through and along the inner wall of said inner tube, a lower water receiving compartment in the closed chamber and disposed below the lower end of said inner tube, into which the water from said tube falls, a blower disposed to draw air downwardly through the inner tube along with the water film passing therethrough and to then draw the air to and eject it from the upper portion of the closed chamber, means for automatically supplying water to the lower water receiving compartment in a quantity sufficient to compensate for the water lost by evaporation, means for delivering water from the lower water compartment into the upper receptacle and for also delivering a



spray of water against and downwardly along the outer face of the outer of said tubes.

2,595,590
RECLINING CHAIR
Worth M. Lewallen, High Point, N. C.
Application November 22, 1949, Serial No. 128,838
5 Claims. (Cl. 155—116)

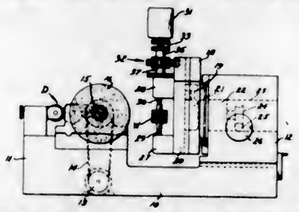


1. A reclining chair including a bottom frame, a seat frame connected thereto for up and down movement of its back end relative to the bottom frame, a back frame pivotally connected intermediate its ends to the back end of the seat frame, said pivotal connection of the back frame being the sole point of pivotal movement of the back frame, the back frame being carried entirely upon the seat frame whereby to be shifted bodily upwardly and downwardly with the seat frame, means normally retaining the back frame in an upright position, and friction producing elements on the bottom frame and the lower end of the back frame engaging on imposition of weight upon the seat frame tending to shift the back frame downwardly, to retain the back frame in selected positions of inclination to which pivotally swung.

2,595,591
APPARATUS FOR GRINDING HELICAL GEARS
Floryan Lohutko, Detroit, Mich., assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application December 14, 1948, Serial No. 65,258
7 Claims. (Cl. 51—95)

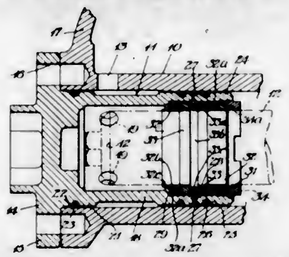
6. In apparatus for grinding helical gears, a grinding wheel, means for rotating said grinding wheel, means for supporting a workpiece having helical gear teeth in proper relation to said grinding wheel, power means for rotating said workpiece in synchrony with said grinding wheel,

feeding mechanism for moving said workpiece support in a straight line path, a sine bar associated with the means for rotating the grinding wheel, means for obtaining rectilinear movement of said sine bar, means including a rack and roller means associated with said sine bar for



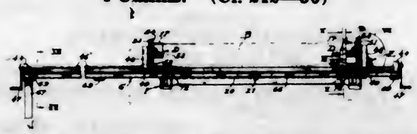
translating said rectilinear motion to a first rotary motion of like degree, and means including a gear arrangement for translating said first rotary motion to a second rotary motion of lesser degree transversely angled to said first rotary motion.

2,595,592
PACKING STRUCTURE
Roy M. Magnuson, Campbell, Calif.
Application August 26, 1949, Serial No. 112,611
5 Claims. (Cl. 309—3)



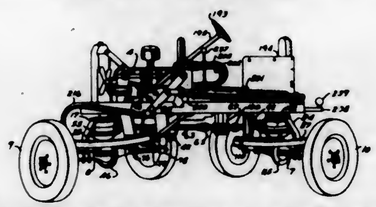
4. A pump packing structure comprising a cylinder head having means for attachment to a pump cylinder in sealed relation therewith, a cylindrical extension carried by said head to extend within the cylinder, detachably mounted annular sealing means carried externally of said extension for engagement within the cylinder, and a pair of detachably mounted pressure-responsive sealing rings carried within said extension having respective oppositely facing sealing lips for engagement with the pump piston.

2,595,593
MACHINE FOR MEASURING, CUTTING, AND ROLLING LINOLEUM
Albert C. Manning, Oakland, Calif.
Application December 2, 1949, Serial No. 130,644
4 Claims. (Cl. 242—56)



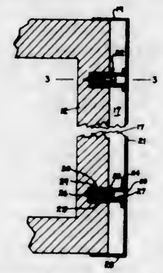
1. In a machine of the character described: a main frame positioned in front of a standard supporting a stock roll of sheet material; a horizontally-adjusting platform carried by the main frame and being movable into parallel relation with the length of the stock roll; a pair of spaced-apart drums mounted on the platform with an unobstructed passage therebetween and having means for removably gripping opposing marginal sections of the material; means for turning the drums to wind a desired amount of the sheet material around the drums; and means supporting the drums for movement away from one another to withdraw them from the wound material.

2,595,594
DRIVE AXLE MOUNTING FOR SWINGING AND ROCKING MOTION
Fred P. Martin, Topeka, Kans.
Application June 30, 1947, Serial No. 758,151
3 Claims. (Cl. 180—42)



1. A driving axle mounting for a motor vehicle having a chassis comprising, an axle housing, axles rotatably mounted in said housing, wheels on said axles, a universal joint connecting the axle housing to the chassis, said universal joint being above and in line with the vertical center of the axle housing, a ring-like member arranged in a semi-circle under the chassis and having its ends secured to the axle housing on opposite sides of the center thereof, said ring-like member having upper and lower edges defining spaced parallel planes at right angles to a vertical plane extending through the universal joint and the longitudinal center line of the axle housing, spaced connected members mounted on the chassis for oscillation about a horizontal axis longitudinally of the chassis, and a plurality of spaced rollers between said spaced connected members and rotatably mounted thereon, said rollers engaging the edges of the ring-like member at horizontally spaced points for eliminating bodily movement of the axle housing longitudinally of the chassis yet permitting swinging and turning movement of the axle housing about the universal joint.

2,595,595
WINDOW CONSTRUCTION
Harry M. McKay, Winfield, Kans.
Application April 18, 1949, Serial No. 88,100
2 Claims. (Cl. 20—52.2)



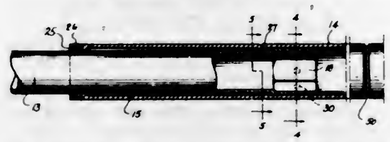
2. A friction type sash balance and variable lateral extension for a window sash comprising: a trough having parallel ends, parallel sides and

a bottom, and of a size to complementally and telescopically receive and enclose one side edge of the sash; a plurality of longitudinally spaced guide receiving slideways cut into said one side edge of the sash at right angles thereto; similarly spaced guides each having an end secured to the inner surface of the bottom of said trough, and adapted to be received into and guided by said slideways; a spring in each slideway bearing against the adjacent end of each guide to urge the guides and the attached trough outward with relation to the sash; and means fixed to the sash and slidably connected to each guide to limit the outward movement thereof with relation to its respective slideway.

2,595,596
STEROID 20-21 ENOL ACETATES
Robert Bruce Moffett, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application January 25, 1951, Serial No. 207,829
17 Claims. (Cl. 260—239.55)

1. A method for the conversion of 20-ketosteroids, having hydrogen as the sole substituent attached to carbon atoms 17 and 21 of the carbon skeleton, to the corresponding 20:21 enol acetate comprising heating under reflux a 20-ketosteroid having hydrogen as the sole possible substituent attached to carbon atoms 17 and 21 of the steroid carbon skeleton and isopropenyl acetate in the presence of a catalytic amount of a sulfonic acid, whereby a steroid 20:21 enol acetate and acetone are formed as reaction products, while continuously distilling from the reaction zone the acetone as formed.

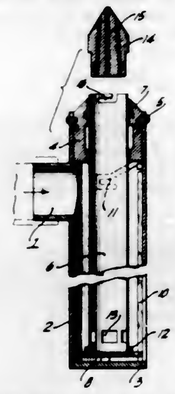
2,595,597
TELESCOPING HANDLE
Richard H. Morseth, Everett, Wash.
Application July 5, 1949, Serial No. 103,069
3 Claims. (Cl. 287—58)



1. A handle of the character described comprising two tubular telescopically assembled sections; the inner of said sections having clearance thereabout within the outer section and being expanded at its inner end into polygonal form to the full inside diameter of the outer section; the outer of said sections being formed with an inwardly pressed bead adapted to be engaged by the end surfaces of the expanded portion of said inner section to limit the extension and there being at least one boss inwardly formed on the outer section adapted to engage one of the flat surfaces of the polygonal portion to prevent relative rotation of the sections when extended.

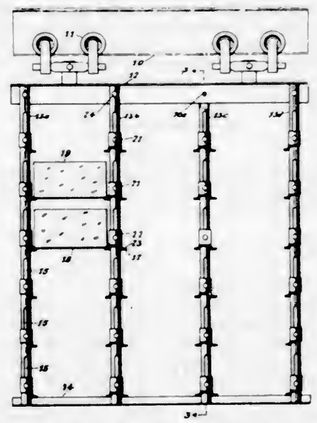
2,595,598
SOIL PENETRATING TERMINAL
Paul L. Morton, Long Beach, Calif.
Application December 31, 1949, Serial No. 136,369
4 Claims. (Cl. 299—61)

1. A soil penetrating terminal comprising a cylindrical housing, a ring fitting, means securing said fitting at the upper end of said housing, a pipe extending into said housing below the fitting, a terminal pipe freely and vertically slidable in said housing and through said fitting, said terminal pipe projecting above the fitting in the raised position of the terminal pipe, said terminal pipe having a plurality of intake ports adjacent the lower end thereof, a wall closing the lower end of said terminal pipe, a packing means surrounding the terminal pipe and positioned at the lower end of said pipe and



below the ports, said packing means engaging the lower face of said fitting whereby said ports are closed in the raised position of said terminal pipe and latch means below said fitting and engageable by said terminal pipe to hold said packing means unseated, with the packing means spaced a distance below the bottom of said fitting and permitting flow through said ports in the terminal pipe.

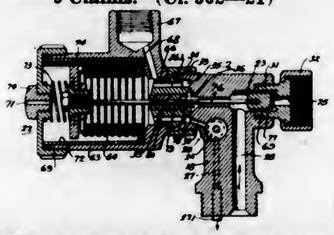
2,595,599
ADJUSTABLE RACK FOR HANDLING BRICKS AND THE LIKE
Jacob D. Naillon, Oakland, Calif.
Application September 8, 1947, Serial No. 772,771
11 Claims. (Cl. 211—147)



11. An adjustable rack comprising, in combination, a plurality of substantially vertical columns, a plurality of transverse beams attached to each of said columns vertically free of their ends away from the columns, said beams being

adapted to support pallets, some of said beams being fixed to said columns at different levels, and others of said beams being disposed intermediate to the fixed beams and adjacent to fixed beams, and being vertically adjustable on said columns so as to be movable from the fixed beams into positions spaced therefrom, and spacer means located away from said vertically free ends of the beams interconnecting the vertically adjustable beams and vertically movable therewith relatively to the columns for maintaining their vertical spacings during and following vertical movement.

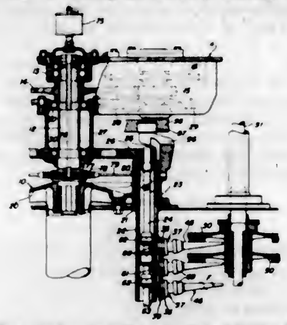
2,595,600
POWDER COATING ASSEMBLY
Jens A. Paasche, Wilmette, Ill.
Application August 18, 1949, Serial No. 110,955
9 Claims. (Cl. 302—21)



1. A fitting adapted for use in a powder assembly which includes a powder atomizer and a powder container, said fitting having a bore formed therein for communicating with the atomizer and being channeled to provide dual passages, one to lead directly from a connectable source of air under pressure to said bore and the other indirectly to said bore through the powder container, valve mechanism for regulating the air flow through said channels so as to control the powder flow from said container to said bore, a valve member controlling communication between said bore and the atomizer, a stem on said valve member extending rearwardly therefrom through said bore, a resilient means acting on said stem to normally maintain said valve closed, a bellows connected to said valve stem and open to said connected source of air pressure so as to be actuated to retract said valve member, and means for admitting air to said bellows and to said channels so as to retract said valve member and permit powder to flow through said bore to the atomizer.

2,595,601
BEARING AND LUBRICATION THEREOF
Louis A. Paradise, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 22, 1948, Serial No. 66,649
4 Claims. (Cl. 308—121)

2. A bearing assembly, comprising: a support having a cylindrical, generally horizontal bore therein; a rotatable member having its axis of rotation coincident with the axis of said cylindrical bore and including an exterior cylindrical bearing surface concentrically within and loosely encircled by said bore; a pair of coaxial, tubular bushings having outer cylindrical surfaces fitting the bore, and interior cylindrical bearing surfaces journaling the rotatable member via its bearing surface, said bushings having proximate end portions coaxially spaced apart within the bore to provide an annular recess defined by said end portions and by a portion of the interior of the bore and a portion of the exterior bearing surface of said member; means providing a plurality of grooves lengthwise of the outer surface of one bushing and leading to the annular recess, certain of said grooves being generally along the upper



part of the outer surface of said bushing and having bottoms inclined downwardly as they approach the recess; and means providing a groove generally lengthwise of and along a lower part of the outer surface of the other bushing and leading away from the annular recess.

2,595,602
MEANS FOR SEPARATING GAS FROM LIQUIDS
Asbury S. Parks, Houston, Tex.
Application February 3, 1950, Serial No. 142,200
15 Claims. (Cl. 183—2.5)

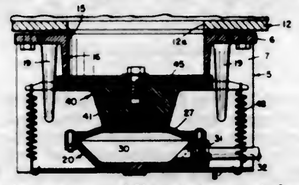


1. A horizontal liquid and gas separator including, an elongate vessel having closed ends and having a well fluid inlet intermediate its ends for conducting a well fluid stream into the vessel transversely thereof, a gas outlet extending from the vessel at a point remote from the well fluid inlet, a scrubber assembly disposed longitudinally within the interior of the vessel between the inlet and the gas outlet, and means for conducting the well fluid stream transversely of the longitudinally disposed scrubber element whereby the incoming well fluid stream is directed through the scrubber assembly to remove entrained liquid particles from said stream.

2,595,603
DUMP VALVE
George C. Parsons, San Pedro, Calif.
Application January 31, 1948, Serial No. 5,601
2 Claims. (Cl. 137—139)

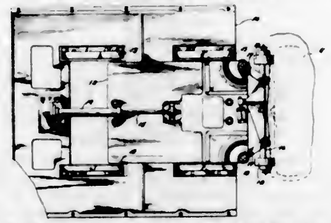
1. A dump valve comprising a body having top, bottom and end walls and open at its opposite sides, the top wall having a discharge orifice presenting a downwardly facing annular valve seat, a medially weighted, flat-topped gasket mount, a flat sealing gasket carried atop said mount for sealing engagement with said seat, the

bottom wall of the body presenting a medial upwardly opening recess, a receptacle whose bottom wall has a depending boss fitting in said recess, a flexible diaphragm carried by the receptacle,



said diaphragm providing a support for the gasket mount and forming with the receptacle a fluid chamber, and means for supplying fluid under pressure and releasing it from said chamber.

2,595,604
WHEEL ALIGNING DEVICE
George Pascoe, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 8, 1949, Serial No. 103,568
2 Claims. (Cl. 33—203.12)

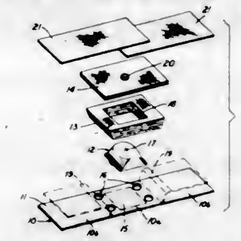


1. A wheel toe-in measuring device for measuring the toe-in of a rotating vehicular wheel upon which is mounted a pneumatic tire comprising a roller adapted to rest upon the side wall of the tire at a location ahead of the wheel axis, another roller adapted to rest upon the side wall of the tire at a location behind the wheel axis and an electrical device connected to the rollers by a mechanical linkage and adapted to continuously indicate the toe-in of the rotation wheel, said electrical device including a transformer having two balanced secondary coils and a movable core connected to said linkage, the output of said balanced secondary coil being registered upon an indicating meter, the oscillations of said meter being damped by a condenser shunted across said meter.

2,595,605
METHOD OF PRODUCING POLYMYXIN
Milton A. Petty, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 7, 1948, Serial No. 43,159
6 Claims. (Cl. 195—42)

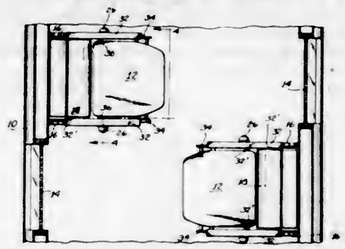
1. An improved method of producing polymyxin which comprises inoculating with *Bacillus polymyxa* a liquid nutrient medium essentially including ammonium sulfate 2%, potassium dihydrogen phosphate 0.2%, magnesium sulfate heptahydrate 0.05%, sodium chloride 0.005%, ferrous sulfate heptahydrate 0.001%, yeast extract 0.5%, dextrose 1%, calcium carbonate 1% and corn meal about 3%, and aerating the medium during the fermentation process until polymyxin is produced.

2,595,606
SURGICAL DRESSING
Uno Pohjola, Detroit, Mich.
Application February 18, 1950, Serial No. 144,924
5 Claims. (Cl. 128—268)



4. In a surgical dressing, an absorbent pad, and a sealed capsule carried by said pad, said capsule being made of pliable sheet material and holding a dose of liquid medicinal preparation for application to a wound, said capsule being adapted to burst at a predetermined spot by internal pressure of the liquid when the pad is squeezed and to eject the liquid past said dressing and directly on the wound.

2,595,607
AIRPLANE CABIN SEATING ARRANGEMENT
Paul David Priebe, New York, N. Y.
Application January 28, 1948, Serial No. 4,873
5 Claims. (Cl. 244—118)

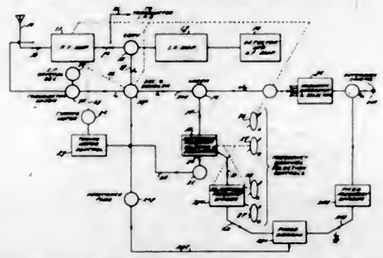


1. In a seating arrangement for passenger aircraft cabins, seats arranged in separate rows along the opposite sides of the aircraft fuselage in its lower portion, facing athwartships inwardly, the seats of each row being spaced apart and the seats in the two rows being staggered relatively to provide room between the seats of each row to accommodate the feet of the occupants of the seats in the other row, said fuselage being of such narrow width at seat level as to preclude location of seats directly opposite each other on opposite sides thereof while leaving room for the occupants.

2,595,608
AUTOMATICALLY TUNED WIDE RANGE RECEIVER AND TRANSMITTER
Harris A. Robinson, Philadelphia, Pa., and Olin L. MacSorley, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 30, 1948, Serial No. 68,298
8 Claims. (Cl. 250—20)

5. In a system for generating any selected one of a plurality of frequencies which are spaced uniformly in frequency interval throughout a wide frequency spectrum, the combination of a

controllable frequency generator, a source of substantially constant frequency, means for selecting from said source any one of a group of frequencies each of which is substantially constant and is different from all the other frequencies of said group, means for mixing the output frequency of said generator with the selected frequency to produce a resulting difference frequency, an adjustable division ratio frequency divider, means for applying said difference frequency to the input of said frequency divider, and means responsive to the output frequency of said divider and to a substantially constant frequency of predetermined value derived from said source for accurately regulating each selected frequency of said controllable frequency generator.



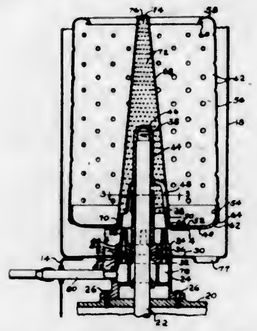
2,595,609

LAUNDRY APPARATUS

Charles C. Scheele, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware

Application September 20, 1947, Serial No. 775,211

7 Claims. (Cl. 68—23)



1. In a rinsing device of the centrifuge type, a frame having an upstanding bearing sleeve for a vertical shaft, a shaft extending upwardly therethrough, a tub having a substantially cylindrical side wall and bottom wall having an open drain in the bottom thereof, said bottom wall having an aperture positioned over said sleeve, a shoulder upon said sleeve for supporting said bottom wall, a nut having water passages and an upwardly directed jet screw threaded upon said sleeve for clamping said tub against said shoulder, an annular water-receiving conduit arranged in said sleeve below said shoulder said conduit having an inlet opening adapted to be connected to an outside source of water under pressure, and discharge passages leading upwardly therefrom through said shoulder and said bottom wall and into said water passages, an elongated open top centrifuge basket comprising an outer circular wall, an annular bottom plate and a central tubular spray distributor having an axial length substantially that of the basket, said spray distributor being open at the bottom and of a diameter large enough to encompass said jet, a spider for supporting said basket upon said shaft.

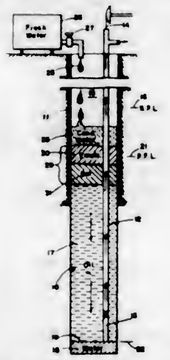
2,595,610

FLUID INGRESS LOCATION IN WELLS

Daniel Silverman and Ralph E. Hartline, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application December 30, 1949, Serial No. 135,907

17 Claims. (Cl. 171—182)



1. The method of testing a well to determine locations of fluid ingress therein which comprises the steps of placing a column of conditioning liquid throughout a producing zone to be tested in said well, flowing said column through said zone, and measuring as a function of depth a property of said conditioning liquid characterizing its contamination by formation fluids, all of said steps being carried out while maintaining the bottom-hole pressure in said well below static, whereby intrusion of said conditioning liquid into the well formations is positively prevented and said formations are at all times producing their natural fluids into the well bore.

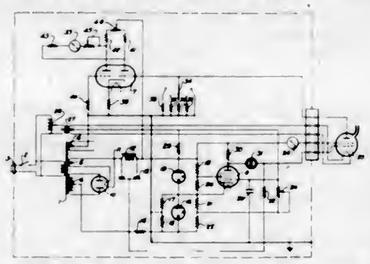
2,595,611

IONIZATION GAUGE

Kenneth M. Simpson, Santa Barbara, and William R. Baker and Quentin A. Kerns, Berkeley, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application April 24, 1947, Serial No. 743,488

6 Claims. (Cl. 175—183)



1. Apparatus for measuring pressure comprising an ionization gauge having an electron emissive electrode, a control grid electrode at a negative potential relative to said electron emissive electrode, a screen grid electrode at a positive potential relative to said electron emissive electrode, and a plate electrode at a negative potential relative to said electron emission electrode to collect the positive ions formed in said ionization gauge, means for adjusting the temperature of said electron emissive electrode, a vacuum tube regulator having at least a cathode, a control grid, and an anode, means for coupling electron stream current changes at the electron emissive electrode of said ionization gauge to the control grid of said vacuum tube regulator, means for coupling current changes at the anode of said vacuum tube regulator which are in opposite phase relative to current changes at the electron emissive electrode of said ionization gauge to the control grid electrode of said ionization gauge thus preventing fluctuations in electron stream current, means for indicating electron stream current flow at the screen grid electrode of said ionization gauge, and means for measuring the amount of current flowing in the plate electrode circuit of said ionization gauge which is proportional to the pressure.

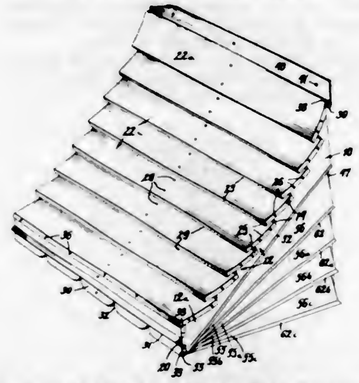
2,595,612

RIGID SHEET METAL AWNING STRUCTURE

Joseph W. Snider, Kenmore, and Stephen G. Domster, Buffalo, N. Y.; said Domster assignor to said Snider

Application December 29, 1948, Serial No. 67,784

5 Claims. (Cl. 20—57.5)



1. A rigid sheet metal awning structure, comprising a pair of vertically disposed, elongated panel shaped, sheet metal side stringers arranged longitudinally at an angle to the horizontal, a plurality of elongated transverse sheet metal roof louver strips, means rigidly fastening the opposite ends of each of said roof louver strips to said side stringers, a pair of vertical bars each fast to the upper end of a corresponding side stringer and depending therefrom, a group of elongated triangular side louver strips at each side of the awning structure, a fastening securing the apices of each group of said side louver strips jointly to the extreme lower end of a corresponding side stringer, said side louver strips extending rearwardly from said securing means in vertically fanned relation toward said vertical bars, and means rigidly securing the rear end of each of said side louver strips to the corresponding one of said vertical bars.

2,595,613

HOUSE TRAILER CONSTRUCTION

Harlan L. Spencer, Bremen, Ind.; Effie P. Spencer and The National Bank and Trust Company of South Bend, coadministrators of said Harlan L. Spencer, deceased

Application December 3, 1948, Serial No. 63,315

2 Claims. (Cl. 98—10)



1. A floor construction for house-trailer vehicles and the like having side and end walls and a roof structure which, together with the floor, provide an enclosed space, there also being means interrupting the continuity of said enclosed space to provide compartments, comprising, outer, intermediate and inner panels arranged and supported in substantially parallel planes and in spaced relation to one another over substantially the entire floor area, thermal insulating material disposed over the inner surface of the outer panel with its uppermost surface spaced from the under surface of the intermediate panel, said intermediate panel being composed of a relatively thermal nonconductive material, partitioning members disposed in parallel spaced relation to one another between said intermediate and inner panels and extending from the under surface of the inner panel to the upper surface of the intermediate panel and substantially from a place adjacent to one of said walls to a place adjacent to an opposite wall thereby to provide ducts for the flow of air in channels between the intermediate and inner panels, said partitioning members being interrupted at places adjacent to said opposite walls to interconnect the air channels thereat, said inner floor panel having openings therethrough to certain of the said compartments within said enclosed space at spaced places including places adjacent to each of said opposite walls for effecting air circulation communication between said air channels and said enclosed space, ducts mounted in and extending through certain of the first said ducts out of direct communication therewith and having communication at spaced places with the air in certain of said compartments within said enclosed space, the second said ducts being of substantially less cross-sectional area than the corresponding cross-sectional area of the first ducts through which they pass, heat exchange means in said enclosed space, and means for establishing a cycle of forced air flow including the first and second said ducts, those certain of said compartments to which said second ducts extend within said enclosed space and said heat exchange means.

2,595,614

SELECTIVE SIGNAL RECEIVING DEVICE

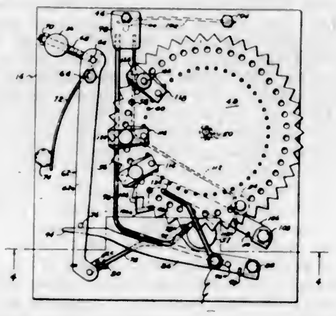
Harold Adolph Stickel, San Francisco, Calif.

Application April 8, 1949, Serial No. 86,250

33 Claims. (Cl. 177—353)

20. In an electric code selective receiving device adapted to be connected to an electric circuit, the combination of a code plate; means biasing said plate toward a normal position; a reciprocable propelling pawl adapted to advance said plate in steps from said normal position by successively drivingly engaging said plate, the lengths of said steps being determined by the

lengths of the respective propelling strokes of said propelling pawl; electrically operated means responsive to an electric signal in said circuit in the form of successive integers for imparting to said propelling pawl a succession of groups of propelling strokes with a time interval between groups, the number of strokes within each group being determined by the respective integer and the first propelling stroke of each group being longer than the subsequent propelling strokes; a plurality of spaced deflectors on said plate for preventing driving engagement of the propelling pawl with the plate when the plate is in any one of a series of first predetermined positions with the deflectors in alignment with the propelling pawl, whereby the plate can be advanced beyond said first predetermined positions only by long propelling strokes moving the plate continuously to and beyond said first predetermined positions;



a retaining pawl having a locking position for retaining said plate in an advanced position and an unlocked position for permitting retrograde motion of the plate to said normal position; means biasing said retaining pawl toward said locking position during the individual electric integer signal and urging said retaining pawl toward its unlocked position at the cessation of each individual integer signal; and a plurality of spaced catches on said plate for holding said retaining pawl in its locking position only when the plate has been advanced to one of several second predetermined positions near to and short of corresponding first predetermined positions, whereby the plate will be returned at an advanced position after the cessation of any individual integer signal when the plate has been advanced to and not immediately beyond one of said second predetermined positions.

2,595,615

INITIATING DEVICE FOR SUSPENDED EXPLOSIVE CHARGES

William G. Sweetman, Houston, Tex.

Application March 2, 1948, Serial No. 12,544
6 Claims. (Cl. 102—20)

1. An electrical initiator for setting off an explosive charge in a well, comprising in combination with a cable for suspending an explosive charge in a well, a carrier slidable on said cable, an electrical detonator adapted to be connected to said charge and having a contact mounted on said cable in the path of said carrier, a source of electric current mounted on said carrier, a second contact connected to said current source and mounted on said carrier to engage the detonator contact upon impact therewith of said carrier to thereby place said detonator in circuit with said current source, and a plunger member yieldably retained within said carrier and projectible there-



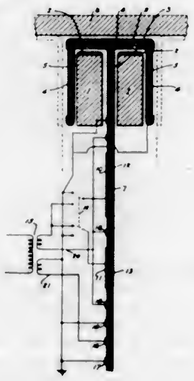
from by percussive force into engagement with said detonator contact.

2,595,616

LIGHT DIFFUSING SURFACE MADE OUT OF ELECTROOPTICAL ELEMENTS CONTROLLED ELECTROSTATICALLY

Pierre Marie Gabriel Toulon, Paris, France, assignor to Products & Licensing Corporation, New York, N. Y., a corporation of Delaware

Application August 4, 1947, Serial No. 766,038
In France February 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 17, 1962
8 Claims. (Cl. 88—61)



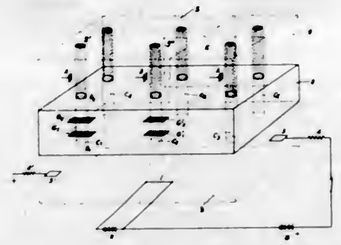
3. A light intensity control system comprising a cell having a light reflecting diffusing surface and a layer of a colloidal medium the opacity of which varies in response to the intensity of an electrostatic field, means adjacent said cell producing a variable electrostatic field for controlling the opacity of said medium, said layer of colloidal medium covering said reflecting diffusing surface, the amount of light passing through said colloidal medium to said reflecting surface being dependent upon the opacity of said medium, said light being diffusedly reflected by said surface and passing back through said medium.

2,595,617

COLOR TELEVISION BY MULTIELEMENT GLOW LAMP SCREEN

Pierre Marie Gabriel Toulon, Neuilly-sur-Seine, France, assignor to Products & Licensing Corporation, New York, N. Y., a corporation of Delaware

Application November 18, 1948, Serial No. 60,668
In France November 29, 1947
20 Claims. (Cl. 178—5.4)



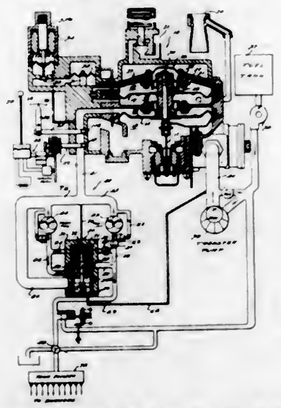
1. In combination, in a picture reproducing system, a reservoir of normally ionized gas, a fluorescent screen, a plurality of discrete gas filled passages extending between said reservoir and said screen, said passages being supplied with gas from said reservoir, means normally maintaining gas in said passages de-ionized, and means for ionizing gas in said passages in accordance with a predetermined time sequence pattern.

2,595,618

TWO PUMP SYSTEM

Paul R. Vogt, Grosse Pointe, and Brent C. Jacob, Jr., Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 25, 1947, Serial No. 763,510
13 Claims. (Cl. 103—11)



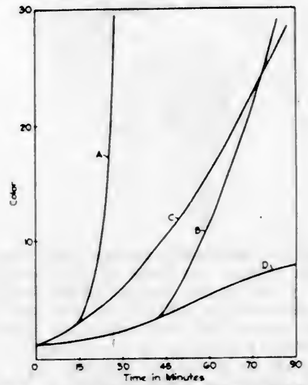
1. In combination, first and second pumps having intake and discharge sides, bypasses connecting the intake and discharge sides and having a common portion, and valving incorporated in the common portion comprising valve structure operably shiftable to block the bypasses contemporaneously and being adjustable so as to restrict or block the bypass of the first pump while leaving free the bypass of the second pump and to restrict or block the bypass of the second pump while blocking the bypass of the first pump.

2,595,619

USE OF A MIXTURE OF A DIAMIDE OF A CARBONIC ACID AND AN EPOXY COMPOUND TO STABILIZE A HALOGEN CONTAINING MATERIAL

Heino Tonnis Voorthuis, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 23, 1949, Serial No. 77,706
In the Netherlands March 4, 1948
15 Claims. (Cl. 260—45.8)



10. As a composition of matter, a high molecular weight halogen-containing organic material containing as a stabilizing additive a mixture of (1) a member of the group consisting of the diamide of carbonic acid, the diamides of acids derived from carbonic acid by replacing the central oxygen atom, and derivatives of the foregoing diamides wherein at least one of the hydrogen atoms on the amide nitrogen atoms has been replaced by an organic radical, and (2) an epoxy-containing organic material, the amount of the two components in the additive being so proportioned as to give the said material greater stability to heat than is possible by the separate addition of the said components.

2,595,620

HYDROGENATION OF HALOGENOSILANES

George H. Wagner, Kenmore, and Charles E. Erickson, Buffalo, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application November 27, 1948, Serial No. 62,424
5 Claims. (Cl. 23—14)

1. Process of hydrogenating a silane derivative of the group consisting of silicon tetrachloride and alkyl trichlorosilane, to substitute a hydrogen atom for at least one silicon-bonded chlorine atom, which comprises contacting a mixture of hydrogen and the vapor of said silane derivative with finely-divided silicon at a temperature of at least 400° C., said silicon having associated therewith a catalytic metal of the group consisting of copper and nickel.

2,595,621

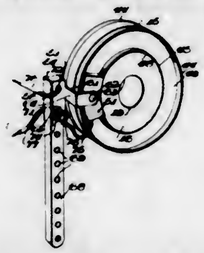
CENTRIFUGAL SWITCH

Willis Z. West, Jr., and Morgan F. Gamble, Winston-Salem, N. C.

Application October 27, 1949, Serial No. 123,880
5 Claims. (Cl. 200—80)

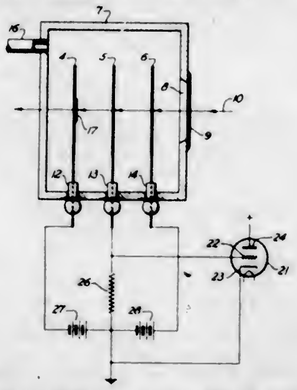
1. A centrifugal force actuated switch, comprising an insulating disc to be mounted upon

the armature shaft of a motor, said disc having opposed substantially radial faces, said disc having a recess formed therein which extends through the opposed faces, brush plates arranged substantially radially on edge and disposed adjacent to the opposed faces of the disc and secured to the disc, the brush plates having substantially annular guide flanges projecting axially beyond the outer faces of the brush plates, centrifugally operated means arranged within



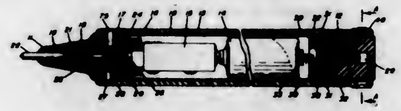
the recess to electrically connect and disconnect the brush plates, the ends of the recess being covered by the brush plates, plate brushes arranges substantially radially on edge and having side faces contacting with the outer faces of the brush plates and engaging the substantially annular flanges to be guided thereby, and resiliant means engaging the plate brushes to force them against the opposed faces of the brush plates and to hold them against rotation with the brush plates.

2,595,622
FISSION INDICATOR
Clyde E. Wiegand, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application September 12, 1949, Serial No. 115,234
6 Claims. (Cl. 250—83.6)



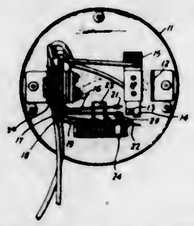
1. A fission indicator comprising an envelope containing an ionizable atmosphere, a pair of electrodes disposed within said envelope, a center electrode disposed intermediate said pair of electrodes and equidistant therefrom, one of said pair of electrodes comprising a fissionable material, potential supply means grounding said center electrode and impressing equal and opposite potentials upon the electrodes of said pair of electrodes, and indicating means connected to said center electrode whereby ionization produced by fission of said fissionable material is indicated.

2,595,623
SIGNAL GENERATOR
William A. Yonkers, Mountain Lakes, N. J., assignor to Radio Frequency Laboratories, Inc., Boonton, N. J., a corporation of New Jersey
Application February 28, 1950, Serial No. 146,790
17 Claims. (Cl. 175—183)



1. A probe type signal generator comprising a tubular housing, a test prod extending from one end of the housing, an electro-magnetic current interrupter disposed within the housing, a battery disposed within the housing, means connecting one terminal of the battery to one end of the coil of the interrupter, a metal tip carried by the interrupter and proximate to said prod, means connecting the said tip to the interrupter coil, a push-button movable axially within the other end of the housing, spring means normally biasing the push-button in a direction outwardly of the housing, cooperating means carried by the housing and the push-button and limiting the extent of the outward movement of the push-button, and conducting means effective upon inward movement of the push-button to complete the electrical circuit between the other terminal of the battery and the other end of the interrupter coil.

2,595,624
INTERVAL TIMER SWITCH
Milton Zuckerman, Brooklyn, N. Y., assignor to Timer Research Corp., New York, N. Y.
Application April 29, 1949, Serial No. 90,300
4 Claims. (Cl. 200—116)

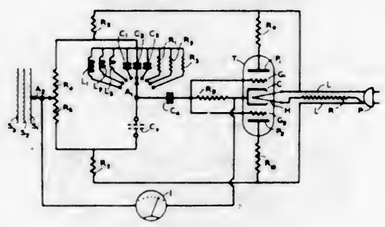


1. In an interval timer, a substantially U shaped bi-metallic element, an electrical heating element for heating said bi-metallic element and causing said bi-metallic element to warp, said electrical heating element being in electrical circuit with a first switch for opening and closing said electrical circuit, and a second switch, said first switch comprising a first contactor and a second contactor, said second switch comprising said second contactor and a third contactor, a first detent member and a second detent member secured to an end of said bi-metallic element, said detent members being reversely positioned and displaced one respective the other, means for manually placing said first, second and third contactors in closed circuit retention by said first detent member, said bi-metallic element upon being warped by said heating element, moving said first detent member to disengage said first, second and third contactors, said first and second contactors becoming open circuit, said second and third contactors becoming positioned in closed circuit retention by said second detent member until said bi-metallic element has cooled to a predetermined position causing said second detent member to disengage from said second and third contactors.

2,595,625
COPOLYMERS OF POLYESTERS AND CONJUGATED DIENES
Robert J. Agnew, Pawling, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 21, 1948, Serial No. 45,569
10 Claims. (Cl. 260—45.4)

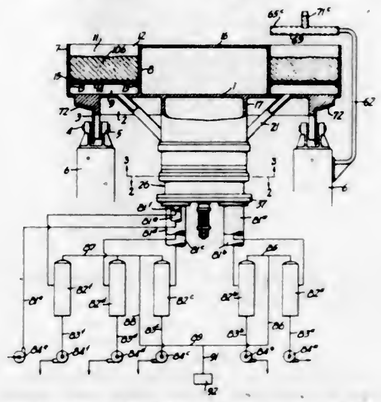
1. A process for preparing moldable thermosetting resins which comprises copolymerizing at a temperature of about 70 to 120° F. a mixture of polymerizable materials consisting of (A) 5 to 35 per cent conjugated alkadiene containing 4 to 5 carbon atoms, and (B) 65 to 95 per cent unsaturated polyester containing at least 3 condensation units per molecule and formed by esterification of a dihydroxy alcohol with an alpha-olefinic dicarboxylic acid, said copolymerization being effected by dispersing said polymerizable materials in small globules in an aqueous, non-solvent medium in the presence of a peroxide catalyst and acetone, and containing said reaction until a moldable, thermosetting product is formed.

2,595,626
BRIDGE CIRCUIT
John T. Bailey, Short Hills, N. J.
Application April 21, 1949, Serial No. 88,883
9 Claims. (Cl. 175—183)



5. In a bridge circuit having a first branch comprising a resistance potentiometer having an adjustable contact to provide a pair of ratio arms, a second branch comprising standard and unknown impedance arms, a source of alternating current, means for connecting said source to one pair of conjugate points of said bridge circuit, further means for producing a pair of space discharge paths each comprising a cathode, an anode and a control grid, means for connecting the anodes of said discharge paths to the opposite terminals of said source, a common return circuit connected between the cathodes of said discharge paths and said contact, a direct current indicator inserted in said return circuit, a coupling network comprising a grid coupling condenser and a grid leak resistance connecting the remaining conjugate points of said bridge circuit to both the grids and cathodes of said discharge paths in parallel, index means connected to said adjustable contact, and scale means cooperating with said index means and calibrated in units of the unknown impedance.

2,595,627
ION EXCHANGE REACTOR
August C. Barnebl, Chicago, Ill., and Walter J. Riker, Englewood, N. J., assignors to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application September 25, 1948, Serial No. 51,232
2 Claims. (Cl. 210—24)

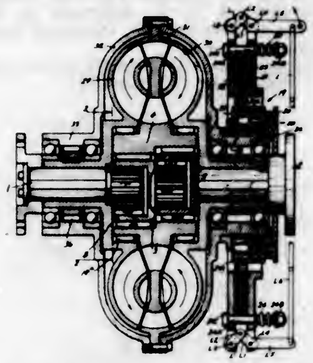


1. An ion exchange reactor comprising: a plurality of separate, contiguous, concentric reaction chambers mounted for rotation on a vertical axis, each of said reaction chambers being arranged to retain a deep bed of a granular ion exchange resin; a valve member secured to said chambers co-axially therewith and having one face thereof formed with a plurality of concentric holes, there being one such hole for each of said reaction chambers; a pipe connecting each of said chambers with one of said holes; a fixed valve body having a face rotatably engaged by the said face of said valve member, said valve body being provided with a plurality of separate arcuate valve ports arranged to communicate successively with said holes upon the rotation of said valve member; means located above the path of travel of said reaction chambers for delivering to said chambers a stream of solution to be treated, said means lying within the angle subtended by one of the ports of said valve body; means located above the path of travel of said reaction chambers for delivering to said chambers a stream of an ion exchanger regenerating reagent, said last mentioned means lying within the angle subtended by another of the ports of said valve body; and means for rotating said reaction chambers.

2,595,628
TRANSMISSION MECHANISM
Gerhard H. J. Baule, Salina, N. Y.
Application February 17, 1945, Serial No. 578,503
5 Claims. (Cl. 74—688)

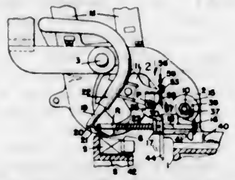
1. In a transmission mechanism, driving and driven shafts, a positive low planetary gear train directly connecting said shafts including a gear carrier rotatable about the axis of the shafts and eccentrically mounted gearing in the carrier, motion transmitting means actuatable by the driving shaft and connected to the driven shaft, and including hydraulic motion transmitting members including an impeller and runner, the impeller being directly rotatable with the driving shaft and positively actuated thereby the runner being mounted on and keyed to the driven shaft,

and means operable to hold the carrier from rotation in a retrograde direction under the re-



action of the train of gears and permitting rotation in a forward direction.

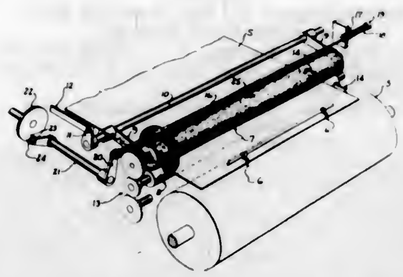
2,595,629
PNEUMATIC THREAD REMOVER
Gabriel C. Beatrice, Shrewsbury, and Alexander C. Krukonis, Auburn, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 5, 1951, Serial No. 209,390
12 Claims. (Cl. 139—256)



1. In a weft replenishing loom having a thread to be removed and a bobbin transferrer arm having a working stroke toward the thread on a replenishing beat of the loom, a pneumatic thread remover mechanism normally in idle position spaced from the thread and mounted for movement to pick-up position relative to said thread, a positioner moved by the transferrer arm effective when the latter has a working stroke to move the remover mechanism to thread pick-up position, and means additional to said positioner mounted on the transferrer arm for movement relative thereto moving with the transferrer arm on a working stroke thereof and effective to exert a force on the remover mechanism resisting movement thereof away from said thread.

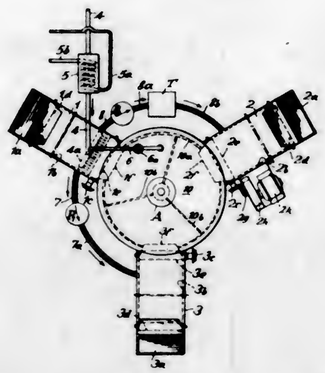
2,595,630
SIDE GAUGE FOR SHEET FEEDERS
Frank R. Belluche, Racine, Wis., assignor to The Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Application November 7, 1949, Serial No. 125,899
5 Claims. (Cl. 271—52)

1. In a sheet feeder especially adapted for the feeding of cardboard and similar relatively stiff sheets, the combination of: front and side guides; means for moving the sheet sidewise against the side guide; and means engageable with opposite sides of a sheet for precluding over travel of the sheet as it is fed against the front guides and moved against the side guides, said means comprising complementary rollers between which the sheet moves, each of said rollers having an axial length at least equal to the width of the widest sheet to be handled, and one of the rollers having



a high nap fabric surface to yieldingly engage one side of the sheet and thus cooperate with the surface of the other roll to maintain an impositive grip upon a sheet sufficiently effective to prevent over travel of the sheet, without interfering with movement of the sheet sidewise against the side guides.

2,595,631
METHOD AND APPARATUS FOR COOLING CONCRETE MIXTURE COMPONENTS
Emil Bertsch, Bombay, India, assignor to Gebr. Volkart, Winterthur, Switzerland
Application July 2, 1951, Serial No. 234,857
In Switzerland July 1, 1950
21 Claims. (Cl. 62—1)



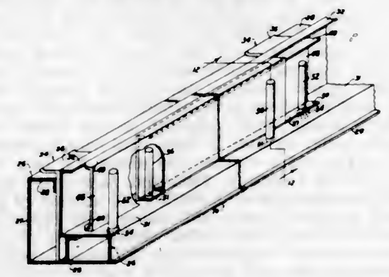
1. Method of cooling the components to be used in a mixer for preparing concrete, comprising the combination of conveying stones through a first insulated tunnel towards said mixer and spraying said stones with cold water when in said tunnel, conveying cement through a second insulated tunnel towards said mixer, conveying sand through a third insulated tunnel towards said mixer, drawing air through said first tunnel whereby it is cooled by said sprayed cold water, and delivering said cooled air from said first tunnel through said second and third tunnels for cooling said cement and sand.

2,595,632
HYDRAULIC ELECTROMAGNETIC WELL FISHING TOOL
Albert E. Bivings, John A. Bivings, and Pete H. Dunnam, Odessa, Tex.
Application April 14, 1947, Serial No. 741,360
4 Claims. (Cl. 294—65.5)



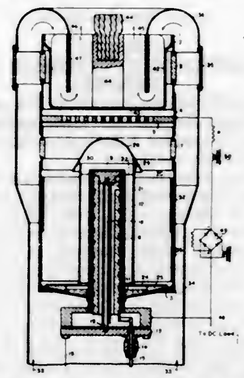
3. A well fishing tool assembly comprising an electromagnet secured to the lower end of an elongated casing, an interconnected electric motor and hydraulic pump secured to and closing the lower end of said casing and having an outlet at the lower end of said magnet, a cap separably secured to and closing the top of the casing, an inlet tube carried by said cap and extending above said casing, whereby relatively clean water is fed to said pump during operation, said casing having a centrally apertured threaded portion at the top exposed when said cap is separated from the casing allowing securement of drill pipe to the casing in an emergency, a channel through the top of said casing communicating with said inlet tube, a flap valve to close said channel when pressure is increased within the casing, a branching side channel communicating with said outlet tube and the interior of the casing, and a pressure blow plug closing this last mentioned channel.

2,595,633
BUILDING FOUNDATION
Nolan S. Black, Highland Park, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application February 21, 1946, Serial No. 649,163
3 Claims. (Cl. 189—34)



1. The folded section of buiding framework comprising, an elongated frame member having a longitudinally extending lower seat for joists and means extending upwardly above the lower seat and presenting a longitudinally extending upper seat laterally outwardly offset above the lower seat, the frame member having a first pair of apertures in and spaced longitudinally of the lower seat, a pair of parallel inner and outer joist members on the lower seat and extending longitudinally thereof adjacent the upwardly extending means, each joist member having a height equal to the vertical distance between the upper and lower seats of the frame member, a first pin carried by each joist member adjacent one end thereof engaging a respective one of the first pair of apertures, each first pin being pivotal in the respective aperture, a second pin connected to the outer joist member adjacent the other end thereof extending into another aperture in the frame member located in the lower seat and holding the joists in place on the lower seat, said outer frame member being bodily movable upwardly away from the lower seat to free said second pin from said other aperture so that each joist member can be swung outwardly away from the other joist member and about the axis of the first pin to extend laterally outwardly from the frame member, and means on the first pin carrid by the outer joist member limiting such bodily movement of the joist member so as to retain the first pin carried by the outer joist member in the respective aperture.

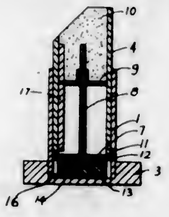
2,595,634
PRESSURIZED ALKALI-METAL TUBE
John L. Boyer, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 14, 1951, Serial No. 215,579
15 Claims. (Cl. 313—227)



1. A vapor-electric device having an evacuated enclosure-means including a metal anode-portion of the enclosure-means at one end of the device, a metal cathode-portion of the enclosure-means at the other end of the device, and an insulating sealing-means between said anode and cathode portions, said metal cathode-portion including a metal tubular cathode-member and metal cathode-fins carried by said metal tubular cathode-member in good thermal and electrical relation thereto, said cathode-fins extending into the space within the device to increase the effective cathode surface-area in the device, a quantity of a vaporizable discharge-metal within the device, said vaporizable discharge-metal being selected from the group comprising cesium, rubidium and potassium, means for heating said tubular cath-

ode-member and said quantity of vaporizable discharge-metal, means for providing a vapor-duct from said quantity of vaporizable discharge-metal to the anode end of said cathode-fins, and means disposed at the exit-end of said vapor-duct for providing an ejector for causing a greater vapor-pressure in the space occupied by the cathode-fins than in the space near the anode end of the device.

2,595,635
COSMETIC APPLICATOR
Chester H. Braselton, New York, N. Y.
Application December 26, 1947, Serial No. 793,993
6 Claims. (Cl. 206—56)



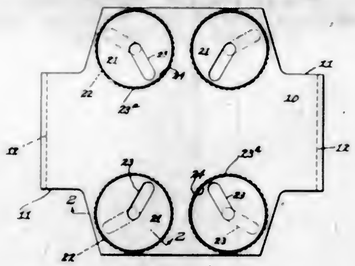
3. A cosmetic applicator comprising a casing, a cartridge enterable into said casing, said cartridge having a paste-feeding means therein including a portion rotatably fixed in the bottom of the cartridge and a square-sided plug extending therefrom, said casing having a square-sided sleeve-like socket in its base receiving said plug when said cartridge is entered into said casing, and said plug having a laterally projecting resilient element extending therefrom for frictionally engaging a wall of said socket to retain said cartridge in feed-driving relation to said casing.

2,595,636
STABILIZATION OF VINYLIDENE CHLORIDE RESINS
Cyril Alfred Brighton, Penarth, Wales, and Donald Faulkner, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application January 4, 1949, Serial No. 69,246. In Great Britain January 13, 1948
6 Claims. (Cl. 260—45.8)

1. A resinous composition of matter comprising a polymeric resin having at least 25% by weight of vinylidene chloride units in its molecular structure, and a neutral, functionally aliphatic ester, containing at least two free hydroxy groups, of a polyhydroxy aliphatic acid in which not more than one hydroxyl group is attached to any one carbon atom, the said ester imparting to the composition stability to decomposition at elevated temperatures.

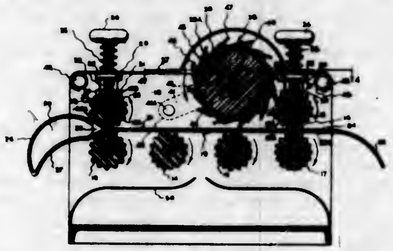
2,595,637
BASE FOR MOTORS
John J. Byrnes, Newark, N. J.
Application October 13, 1948, Serial No. 54,269
4 Claims. (Cl. 248—23)

1. A motor mounting device of the type having spaced uprights for connection to the end portions of an electric motor to support the latter, said device comprising a base plate to rest on a stationary flat support having spaced holes to receive fastening screws or bolts, said plate being formed with a plurality of spaced vertical bores having walls of cylindrical shape, a plurality of discs disposed in said bores and having their bottom faces positioned flush with or above the bottom face of said plate, and means for rotatably retaining said discs in said bores, said



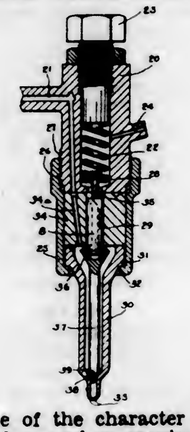
discs having radially extending slots to receive fastening screws or bolts for engagement with spaced openings in a support on which said plate rests.

2,595,638
MACHINE FOR SEPARATING MEMBRANES OF ANIMAL INTESTINES
Alfred Harold Castelow, Hurstville, near Sydney, New South Wales, Australia
Application March 22, 1948, Serial No. 16,376
In Australia February 3, 1947
7 Claims. (Cl. 17—43)



1. A machine for treating runners, comprising a resilient entry feed roller, a second resilient feed roller spaced from the entry feed roller with their axes substantially parallel and in an approximately horizontal plane, a carrier bar supported on the feed rollers and adapted to receive a runner thereon with the bar located within the inner membrane, a third resilient roller located above the first feed roller and engaging the upper surface of the carrier bar, the carrier bar being formed with a thickened portion on the entry side of the entry rollers to prevent the bar from being drawn between the rollers, said carrier bar having a substantially flat upper surface and a channel formed underneath it, a beater and scraper roller located above the second feed roller and provided with circumferentially spaced resilient blades, each adapted as the beater and scraper roller rotates to beat and scrape against the carrier bar a runner fed along the bar, said rollers being rotatably mounted, said third resilient roller coacting with said upper surface of said carrier bar to rupture the connecting fibers between the inner and outer membranes of said runners by a crushing action whereas a portion of said runners are located in said channel and protected from a crushing action between said first feed roller and the underside of said carrier bar.

2,595,639
FUEL INJECTION APPARATUS
Theodore S. Chmura, Chicopee, and George B. Weed, Jr., Springfield, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application November 12, 1948, Serial No. 59,504
4 Claims. (Cl. 299—107.4)



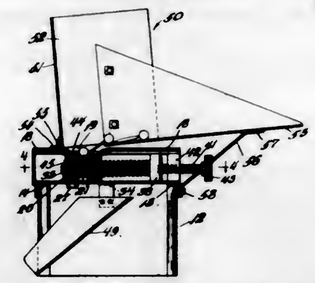
1. In a device of the character described, a nozzle having a bore and an opening for permitting the passage of fuel therefrom, a valve actuating member in said bore and a tip separate from said member and adapted to control the flow of fuel through said opening, said tip being retained in engagement with said valve actuating member by fluid pressure only, and a leak-off duct in said member to relieve any fuel pressure between said member and said tip.

2,595,640
TOE SPACING DEVICE
Telemachus G. Christopoulos, Lynnhaven, Va.
Application December 22, 1948, Serial No. 66,603
5 Claims. (Cl. 132—73)



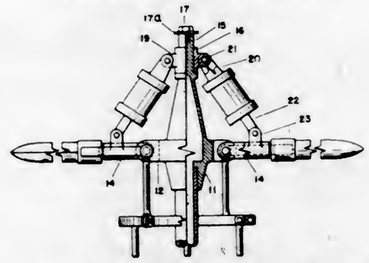
1. A device for maintaining the toes of a foot in separated relationship comprising, a plurality of rigid wedge-shaped members adapted to be inserted between the toes of the foot, a rigid element integral with and projecting from an edge of each wedge-shaped member, and a sole elongated flexible elastic member connecting said elements of the wedge-shaped members.

2,595,641
APPARATUS FOR REMOVING TOOTHPICKS FROM BEADS
Fred E. Clearwater, Providence, R. I.
Application April 29, 1948, Serial No. 24,018
1 Claim. (Cl. 29—200)



An apparatus for removing tooth picks from beads comprising a pair of rollers having their surfaces spaced and their axes in a plane which is inclined to a horizontal, means to rotate said rollers in unison in opposite directions, a trough substantially V-shape in cross section positioned above said rollers and inclined lengthwise sufficient to move work therealong with a slot at its lowest portion substantially registering with the space between said rollers through which slot tooth picks will pass to be gripped by the rollers and plucked from the beads, said trough also having an opening therethrough of a size to pass beads, said opening being generally aligned with said slot but beyond the lower end thereof, means adjacent said opening to direct beads therethrough, and a conduit below and registered with said opening for conveying said beads to a desired location.

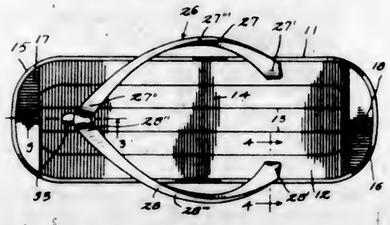
2,595,642
AIRCRAFT ROTOR BLADE PITCH CONTROL LINKAGE
Elliot Daland, Wallingford, Pa., assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa., a corporation of Pennsylvania
Application November 29, 1946, Serial No. 713,038
3 Claims. (Cl. 170—160.25)



1. A rotor comprised of a rotor shaft, blades hinged to the rotor shaft in such a manner that blades are free to flap under the influence of aerodynamic forces, a shaft extension carried by said rotor, the axis of said shaft being coincident with the axis of the rotor shaft extension, a member mounted on said shaft extension for free reciprocation thereon, resilient blade restraining means connected to said sliding member and said blades, said sliding member allowing the blades to cone when acted on by equal forces, said slid-

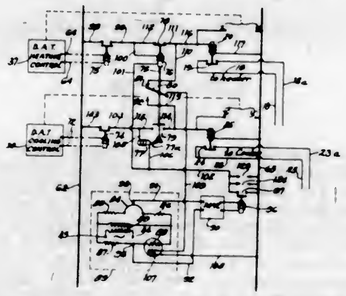
ing means cooperating with said restraining means to prevent the blades from flapping individually unless the forces are high enough to overcome the resiliency of the restraining means.

2,595,643
STRAP CONSTRUCTION FOR BATHING SANDALS
Burton P. Daugherty, Jr., Washington, D. C.
Application September 7, 1951, Serial No. 245,493
3 Claims. (Cl. 36—11.5)



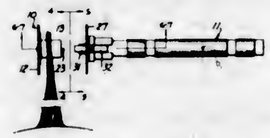
1. A sandal comprising a sole having an upper surface upon which the foot of the wearer may rest and a lower surface adapted to contact the ground, a strap member extending above said sole and being adapted to extend over the foot of the wearer for holding the sandal in wearing position on the foot, said strap member being of greater width than thickness and comprising two sections each having a rear end located approximately adjacent the rear or heel end of the sole and a forward end approximately adjacent the front or toe end of the sole, and a projection extending upwardly from the sole and secured at its upper end to one face of said strap section forward ends, said strap sections lying substantially horizontal at their connection to said projection and gradually twisting 180° inwardly as they extend rearwardly so as to be substantially horizontal and inverted at their rear ends whereby the entire length of the strap sections will lie substantially flat against the surface of the wearer's foot, and connections between said sole and the rear ends of said strap sections on the opposite face of said strap sections.

2,595,644
CONTROL SYSTEM
Elwood T. Davis, Brookline, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 31, 1948, Serial No. 68,684
20 Claims. (Cl. 257—3)



19. A system for controlling a condition changing heating means and a condition changing cooling means to maintain a predetermined temperature, comprising a first temperature-responsive control means including a balanceable network unbalanced by departure from said predetermined temperature, said network including circuit elements for cyclically balancing and unbalancing said network for cyclical control of said heating means to produce heating impulses of variable duration, a second temperature-responsive control means associated with said cooling means, switching means energizable from either of said control means for rendering the energizing one of said control means effective to control its associated condition changing means, means including a balanceable network for preventing operation of said switching means, and means controlled by the effective one of said control means for influencing the balance of said network in proportion to the duration of said heating impulses, thereby to disable said preventing means when said network unbalance of said last-named network attains a predetermined value.

2,595,645
HAIR CURLING DEVICE
William H. H. Davis and Floyd V. Schleimer, San Francisco, Calif.; said Schleimer assignor to Duart Manufacturing Co., Ltd., a corporation of California
Application January 8, 1949, Serial No. 69,933
2 Claims. (Cl. 132—33)

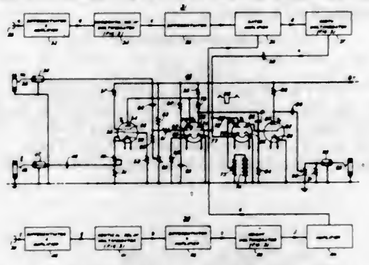


1. In a hair curling device, a mandrel adapted to receive hair for winding thereon, an axle extending from the lower end of said mandrel, a relatively flat base member mounted on said axle for relative rotation with respect to said mandrel and in a plane at right angles to the axis of the mandrel and extending outwardly of the same, friction means between said mandrel and said base member tending to impose a frictional restraint against such relative rotation, a detachable handle engaging said mandrel, a projecting pin at the upper end of said mandrel for engagement with the handle, groove means in the lower end of said handle to engage said pin in driving engagement, spring clip means attached to the lower end of said handle to overlie a major longitudinal portion of the surface of said mandrel and thereby retain strands of hair upon said mandrel, a flat annular plate mounted upon and surrounding the lower portion of said handle to provide the upper wall of a reel formed in conjunction with the mandrel and said base member, said handle and said spring clip means being readily removed from said mandrel after strands of hair are wound about said mandrel.

2,595,646
TELEVISION TEST SIGNAL GENERATOR
Stephen Doba, Jr., Long Island City, N. Y., and Johannes J. Jansen, Brookside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1947, Serial No. 751,676
4 Claims. (Cl. 175—183)

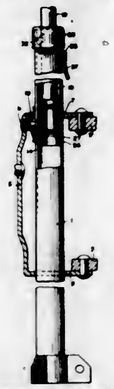
1. In a signal generator for producing a composite television picture signal which is capable

of producing on the screen of a cathode ray tube a rectangular picture area of one shade upon a picture field of another shade, means supplying a first series of pulses having the repetition rate of line scanning frequency, means supplied with said first series of pulses for producing a second series of equal pulses having the line repetition rate and whose leading edges substantially coincide with the leading edges of the pulses of said first series, means supplying a third series of pulses having the repetition rate of frame scanning frequency, means supplied with said third series of pulses for producing a fourth series of equal pulses having the frame repetition rate and



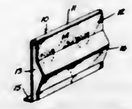
whose leading edges substantially coincide with the leading edges of the pulses of said third series, means supplied with the fourth series of pulses and actuated by the trailing edges of said pulses for forming a fifth series of equal pulses having the frame repetition rate, gating means supplied with the second series of pulses and controlled by the fifth series of pulses for forming during each of the pulses of said fifth series a sixth series of equal pulses of line repetition rate with leading edges which substantially coincide with the trailing edges of the pulses of the second series, and mixing means supplied with said first, third, and sixth series of pulses for producing the desired composite television signal.

2,595,647
PICTURE SCREEN STAND
Leo J. Du Mais and Frank J. Prokop, Chicago, Ill., assignors to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois
Original application March 14, 1951, Serial No. 215,498. Divided and this application July 14, 1951, Serial No. 236,836
4 Claims. (Cl. 160—24)



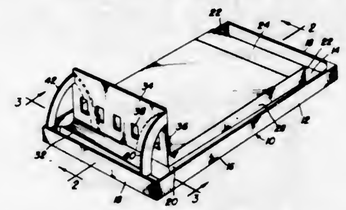
3. In a picture screen stand, a tubular standard having a slot extending longitudinally in one side thereof, an extension rod telescoped with said standard, a screen housing bracket slidably mounted on said standard, a spring on said bracket bearing on said standard and adapted to frictionally hold said bracket in any position along said standard, an adjustable stud bearing between said bracket and spring and extending into said slot, and a shoulder on said extension rod adapted to coact with said stud for shifting said bracket with said extension rod.

2,595,648
VISIBLE CARD INDEX AND SIGNAL
John W. Eddy, Renton, Wash., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application December 6, 1949, Serial No. 131,360
3 Claims. (Cl. 129—16.7)



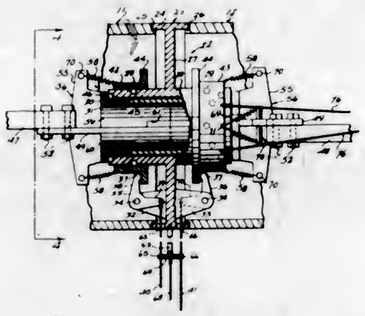
3. A signal for visible indexes comprising a strip having a central fold section with opposite inner and outer ends extending in opposed spaced relation, said inner end having a projection extending laterally toward the outer end in spaced relation to said fold section and having a laterally extending terminal portion to provide a guide, and said outer end formed with an outwardly extending V-shaped projection forming a handle portion in spaced relation to said fold section.

2,595,649
BALL GAME WITH COLLAPSIBLE TARGET
Alfred E. Eistetter, Regina, Saskatchewan, Canada
Application September 9, 1949, Serial No. 114,881
1 Claim. (Cl. 273—118)



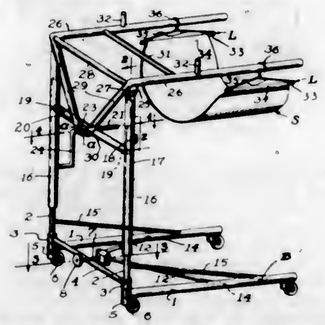
A game apparatus comprising a playing board positioned within a box having upstanding end and side walls, a flat cardboard-like target hingedly secured to one end of said playing board and adapted to assume a first position in the plane of said playing board and a second position perpendicular thereto, said one end of said playing board being in spaced relation to a juxtaposed end wall of the box, arcuate cardboard-like supporting legs hingedly connected to the end upper edge portions of said target and adapted to assume a first position in abutment with the back side of said target and a second position at right angles to said first position, said legs being provided with notches at their free ends for engagement with said juxtaposed end wall of the box when in their second position for supporting the target.

2,595,650
MODEL AIRPLANE FLIGHT CONTROL
Warren G. Eppler, Syracuse, N. Y.
Application March 10, 1950, Serial No. 149,008
6 Claims. (Cl. 46—77)



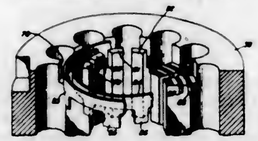
4. An airplane comprising axially spaced front and rear fuselage sections, the front and rear sections having wings, ailerons on the front section wings, and the rear section having a vertical rudder and an elevator, a control unit comprising an axle arranged axially in and secured to said sections and extending across the space between the sections, said axle constituting the sole structural connection between the sections, control mechanism rotatably mounted on said axle, control lines leading from said mechanism from between said front and rear sections, said mechanism comprising operating components connected to said ailerons and said elevator and to some of said control lines, one of said control lines being anchored to a relatively stationary portion of said mechanism whereby the airplane is confined to a circular flight course.

2,595,651
INVALID HANDLING APPARATUS
Samuel R. Feist, Wichita, Kans., assignor of two-sixths to Tom Harley, Jr., Wichita, Kans.
Application November 1, 1946, Serial No. 707,196
5 Claims. (Cl. 5—86)



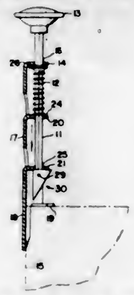
3. An invalid handling apparatus comprising a base structure, a pair of spaced upstanding posts carried thereby, a top structure comprising two spaced parallel arms each terminating at one end in a right angularly extended portion, a rigid coupling between said arms at the ends thereof connected with the right angular extension, means pivotally coupling the arms with the upper ends of the posts at the ends of the arms adjacent to the right angular extensions, the said right angular extensions being directed downwardly and inwardly in convergent relation, a bar disposed transversely between the posts and connected with the posts for turning on its long axis, a block member between the convergent lower ends of said arm portions and pivotally connected with the same, said block member being disposed substantially in the plane of said last mentioned bar, a threaded shank freely rotatably extended through the block member and extending through and having threaded connection with the last mentioned bar, and a crank upon one end of the shank, said arms being designed for the support of a seat.

2,595,652
COUPLED CAVITY RESONATOR
James B. Fisk, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1944, Serial No. 529,619
7 Claims. (Cl. 315—40)



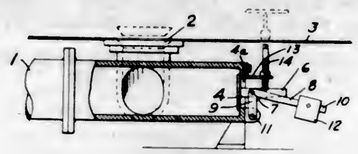
3. An electron discharge device having a plurality of anode segments extending radially from a central space defined by said segments, a cathode adjacent said anode segments for supplying electrons within said central space, said segments having slots in one end thereof, and concentric ring-shaped strapping elements one of which contacts alternate anode segments within the slots, and another of which ring-shaped strapping elements connects the remaining anode segments together at the same end of the anode.

2,595,653
CONTAINER PERFORATOR
Lacey E. Fuller, Coeburn, Va.
Application March 3, 1950, Serial No. 147,457
2 Claims. (Cl. 30—16)



1. In a can punch, a single vertical bracket plate having a tongue depending therefrom for engagement with the side of a can, feet on the lower end of the bracket plate arranged to rest upon the top of the can with said tongue engaged with the side of the can whereby said bracket plate is mounted in operative position on the can, and vertical reciprocable punch means mounted on said bracket plate for punching a hole in the top of the can said punch means comprising a flange on the upper end of the bracket plate, a lug on the bracket plate below and in alignment with said flange, a vertical plunger rod extending through said flange and lug, a can top cutter on the lower end of said rod and below said lug, a handle on the upper end of said rod above said flange, and a coiled spring circumposed about the rod intermediate the flange and lug and operatively connected to the rod and lug for elevating the plunger rod following compression thereof by manual depression of the plunger rod and release of the plunger rod.

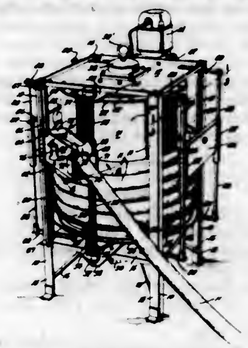
2,595,654
AIR-METERING INTAKE
William E. Hale, Fort Washington, Pa., assignor to Beaumont Birch Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 12, 1945, Serial No. 604,628
2 Claims. (Cl. 302—17)



1. In a suction ash conveyor of the type including a conduit having an end open to atmosphere: means for controlling the supply of air drawn from atmosphere through the conduit comprising a movable damper disposed within the conduit for engaging a damper seat arranged immediately inside the open end of the conduit, said damper having at least one supporting arm rigidly connected thereto and extending rearwardly thereof through said open end of the conduit, a bell-crank lever having one arm thereof pivotally connected at its extremity to said conduit at a point externally of and below its open end, a pivotal connection between the knee of said lever and said damper supporting arm whereby said damper floats generally axially of the conuit into and out of engagement with said damper seat, an adjustable counterweight carried by the other arm of said lever for normally maintaining the damper closed against its seat, and a threaded limit stop axially adjustable in the plane of movement of said lever and engageable with the last-mentioned arm thereof to limit movement of the lever about its pivotal connection to the conduit and correspondingly limit the permissable movement of said damper relatively to its seat.

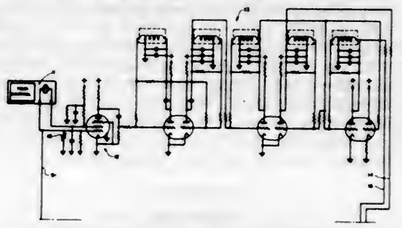
2,595,655
HOSE REEL
Clifford B. Hannay, Westerlo, N. Y., assignor to Clifford B. Hannay & Son, Inc., Westerlo, N. Y., a corporation of New York
Application April 14, 1950, Serial No. 155,922
10 Claims. (Cl. 242—86)

10. Hose reel apparatus comprising a frame, a hose reel rotatably mounted in vertical relation in said frame, a motor supported on the top of said frame, a sprocket gear on the shaft of said motor, a sprocket wheel secured to the upper end of said hose reel, a sprocket chain in mesh with said sprocket gear and said sprocket wheel for rotating said hose reel in a direct drive from said motor, a hose adapted to be wound and unwound from said reel, guide means for said hose, a horizontal guide roller independent of said guide means bearing on the upper surface of the hose during the winding of the hose on said reel, and



means mounting said horizontal guide roller on the frame for movement up and down said frame while in contact with the hose.

2,595,656
ELECTRONIC SYNCHRONIZATION SYSTEM
Theodore Alan Hansen, Park Ridge, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 15, 1948, Serial No. 54,773
10 Claims. (Cl. 178—53)



1. In synchronization apparatus, means to receive a series of impulses with which a local device is to be held in synchronism, means to drive said local device, means to compare the received impulses and said driving means, means to produce from said comparison means an average electrical charge varying in polarity in accordance with the condition of phase between said driving means and the received signals, and reactance means controlled by the average charge from said charge production means for controlling said driving means to restore correct phase condition, and to maintain synchronism.

2,595,657
HAIR BAND
Bennie L. Harmon, Anniston, Ala.
Application June 3, 1949, Serial No. 96,840
1 Claim. (Cl. 132—46)



A hair band formed from a plurality of contiguous pairs of annular yarn coils, each pair

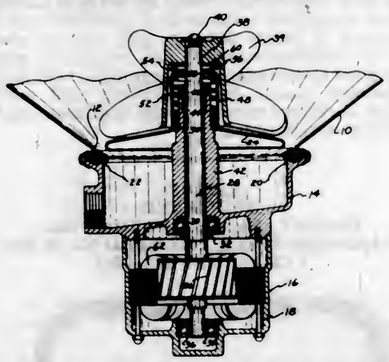
being of highly twisted two-ply yarn, the strands of each pair being individually twisted upon themselves in the same direction and each pair being further twisted in the same direction as the direction of twist imparted individually to each strand, so that each pair includes a plurality of normally closed and laterally extending coiled kinks with the kinks uncoiling upon manual elongation of the contiguous pairs and automatically recoiling to shorten the pairs.

2,595,658
SEALED ARRESTER
Walter C. Hasselhorn, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1948, Serial No. 67,013
12 Claims. (Cl. 175—30)



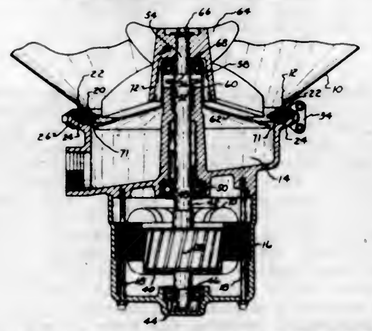
1. An arrester section or bar comprising a two part base, one part being adapted to be permanently mounted on a support, a plurality of line terminals thereon for connection with lines to be protected, arrester terminal receiving connectors thereon connected with the line terminals, a plurality of self-restoring arresters to prevent current and voltage overloads mounted on the other part of the base, an insulating cover to seal against said other part of the base to enclose said arresters, arrester terminals thereon adapted to connect with said arrester receiving terminals on said other part when the two parts are brought together, whereby a plurality of the arresters may be attached to and detached from said permanent base portion as a unit without disturbance of the latter's installation.

2,595,659
DISHWASHER OR THE LIKE
Charles Hollerith, Jackson, Mich., assignor to Lake State Products, Inc., Jackson, Mich., a corporation of Michigan
Application December 29, 1945, Serial No. 638,316
2 Claims. (Cl. 134—186)



1. The combination with a dishwashing machine having a washing vat with a central drain opening, a drain structure connected with said opening, a motor housing located below said structure and a vertical impeller shaft support extending from said drain structure through said drain opening into said vat, of a vertical impeller drive shaft disposed in said support for vertical endwise movement and having an impeller carried on its upper end, a valve for controlling said drain opening, spring means continuously acting upon said valve and shaft to elevate the same to open said drain, a motor in said housing including fixed field windings, and an axially movable armature within said windings and connected to said impeller shaft to rotate the same and to move therewith as a unit, said spring means with said motor inactive elevating said armature partially out of the magnetic field of said windings to open said valve to drain said vat, the magnetic field of said windings established when energized acting upon said armature to low said shaft and valve against the tension of said spring means to close said valve.

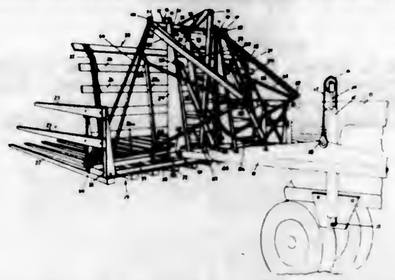
2,595,660
DISHWASHER OR THE LIKE
Charles Hollerith, Jackson, Mich., assignor to Lake State Products, Inc., Jackson, Mich., a corporation of Michigan
Application December 29, 1945, Serial No. 638,317
1 Claim. (Cl. 134—186)



In a dishwasher and the like, a valve and impeller unit comprising a sump, a motor having stator windings and a rotor mounted beneath said sump, a vertical drive shaft connected to and driven by said rotor and extending from said motor through said sump to a point above said sump, an impeller mounted on the upper end of said shaft, a drain valve surrounding said shaft and having a connection with said shaft, a seat defining an opening surrounding said shaft and located above said drain valve at its outer periphery, said rotor with said windings de-energized being located axially to one side of the magnetic field of said windings whereby upon energizing said windings said rotor and shaft are lifted to bring said rotor into the magnetic field of said windings to close said valve, said valve and shaft being free to drop by gravity to open said valve and return said rotor to its offset position.

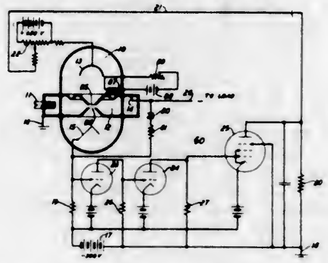
2,595,661
STACKING MACHINE
Walter J. Horn, Fort Dodge, Iowa, assignor to Horn Manufacturing Company, Fort Dodge, Iowa, a corporation of Iowa
Application July 25, 1949, Serial No. 106,694
3 Claims. (Cl. 214—82)

3. In a stacking machine, a push off rake including a rear gate movable longitudinally of said rake, a transverse rock shaft supported on said rake rearwardly of said gate, a rearwardly extended rock arm on said shaft, means movably connecting the free end of said rock arm with said gate, means for rocking said shaft to move said gate including a slide member, means guiding said slide member for up and down movement, an upright cylinder pivotally supported at



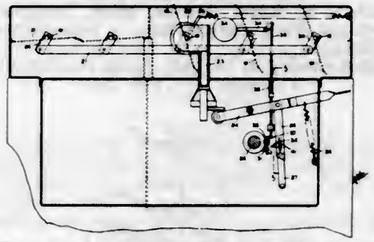
its lower end on said slide member, a piston for said cylinder, a pair of levers mounted on said rock shaft in a substantially common vertical plane, means pivotally connecting one of said levers with said piston, and other means pivotally connecting the other of said levers with said slide member.

2,595,662
AUTOMATIC VOLUME CONTROL FOR OSCILLATORS
Edward W. Houghton, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1947, Serial No. 778,611
6 Claims. (Cl. 250—36)



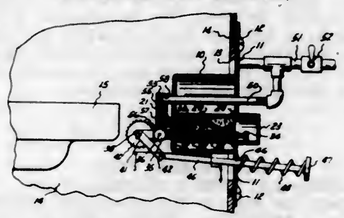
1. A space discharge oscillator having a cathode, a repeller electrode, and an apertured cavity resonator positioned between said cathode and said repeller electrode for the transmission of electrons from said cathode through the apertures in said cavity resonator and on toward said repeller electrode, means to maintain said cavity resonator at a positive potential with respect to said cathode, means to maintain said repeller electrode at a less positive potential than said cavity resonator to return to said cavity resonator a substantial proportion of the electrons approaching said repeller electrode in proper phase to produce sustained oscillations in said cavity resonator, said potential being in a range of potentials for which the volume of power output generated undergoes relatively large variations in response to relatively small changes in the said potential, means coupled to said cavity resonator to obtain a control potential which varies in response to variations in the volume of power output generated in said cavity resonator, and means to impress said last-mentioned control potential upon said repeller electrode in the polarity required to offset the said variations in the volume of power output from said cavity resonator.

2,595,663
DELAYED-ACTION SIGNAL FOR DAMPER CONTROL
Frederick W. Howland, Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application February 1, 1949, Serial No. 73,905
6 Claims. (Cl. 34—53)



1. Drying apparatus of the character described, comprising a work container provided with adjustable mechanism for selectively causing the flow therethrough of either hot or cold air, means for presetting said mechanism to hot air position, preadjustable time control means operatively engageable with said mechanism at the termination of a predetermined drying period whereby to terminate said drying period and to move said mechanism to cool air position, signal means also engageable with and actuated by said time control means for notifying the operator of the termination of the drying period, and delay means whereby operation of said signal means is delayed, after operation of said mechanism to cool air position, for a period sufficient to cool the work.

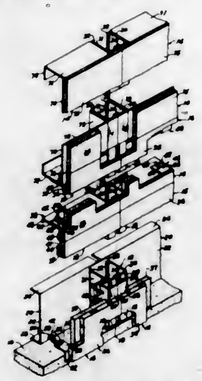
2,595,664
LIGHTING DEVICE
Ernest E. Hunter, Dallas, Tex.
Application July 15, 1946, Serial No. 683,613
5 Claims. (Cl. 67—20.1)



3. A lighting device including, a housing adapted to be connected to a heating device, a pilot fuel pipe carried by the housing and positioned with its outlet end projecting through an opening in the housing to deliver a jet at the burner of the heating device, said pilot fuel pipe being adapted to be connected to the fuel line supplying the burner of the heating device, an independent fuel container having catch members engageable with the housing for releasably connecting said container to the housing and having a wick sleeve projecting through an opening in the housing below and adjacent the outlet end of the pilot pipe, an ignitable wick projecting from the outer end of the wick sleeve below the outlet tip of the pilot pipe, a striking

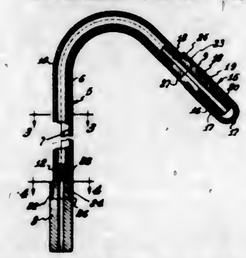
wheel carried by the housing adjacent the wick, pyrophoric means carried by the housing exposed adjacent the wick and engageable by the striking wheel, and means operable from exteriorly of the housing and heating device for rotating the striking wheel to cause sparks to be struck from the pyrophoric means to ignite the wick to provide a lighting flame at the outlet tip of the pilot pipe for igniting fuel flowing from said pilot pipe.

2,595,665
WALL CONSTRUCTION
Thaddeus B. Hurd, Detroit, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application July 11, 1946, Serial No. 682,875
9 Claims. (Cl. 189—34)



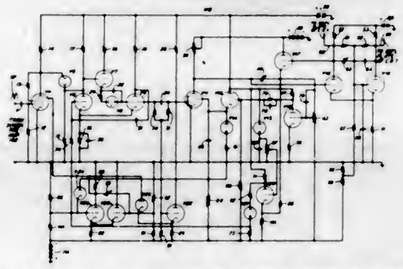
2. In a building construction the combination comprising, an exterior panel member, a keeper carried by the panel member, a foundation member, an elongated hook member extending through a slot in the foundation member and outwardly toward the keeper, the elongated hooked member having a hook portion on the outer end engaging the keeper under tension and urging the panel member toward the foundation member, and a loop formed in the elongated hook member between the foundation member and the hook portion for preventing movement of the elongated hook member inwardly through the slot and for increasing the elongation flexibility of the elongated hook member.

2,595,666
SALIVA EJECTOR
Clifford L. Hutson, Glendale, Calif.
Application May 3, 1949, Serial No. 91,100
10 Claims. (Cl. 32—33)



1. In a saliva ejector: a frame including an elongated member providing a longitudinal channel for embracing and supporting a flexible conduit, and tubular end portions on said member, having tubular projections extending inwardly therefrom to engage and detachably hold said flexible conduit in said channel.

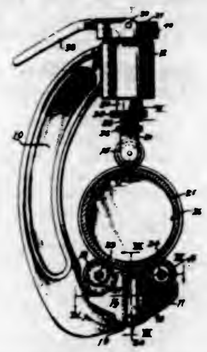
2,595,667
SWEEP CIRCUIT
Wilbur L. Gaines, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1949, Serial No. 134,932
8 Claims. (Cl. 315—23)



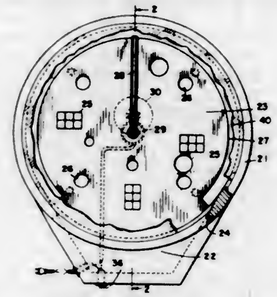
1. A circuit for producing sweep voltages each cycle of which includes a sweeping portion followed in turn by a return portion and a quiescent portion during which the sweep voltage has a substantially constant value, comprising means for receiving synchronizing signals, an amplifier for said synchronizing signals, means connected to said amplifier for producing step voltages, each of which has an abrupt forward part, means initiated by said forward part of each step voltage for producing the sweeping portion of a sweep voltage cycle, means rendered active when a predetermined point on said sweeping portion of the sweep voltage has been reached for terminating the step voltage and in turn said sweeping portion of the sweep voltage, means initiated by the termination of said step voltage for causing said sweep voltage to return abruptly to its quiescent state, and means for rendering inactive the synchronizing amplifier on the occurrence of the forward part of said step voltage and for maintaining it inactive for a predetermined time after the sweep voltage has been returned to its quiescent state.

2,595,668
PISTON REFORMING TOOL
William M. Getty, San Mateo, Calif.
Application May 1, 1950, Serial No. 159,201
5 Claims. (Cl. 80—5)

1. In a piston groove reforming tool, the combination of a spanner member having an extending anvil portion at one end and an oppositely disposed cylindrical tool supporting housing at its other end, a saddle member having spaced and aligned metal swaging rollers adapted and arranged to be clipped upon anvil portion of said spanner member, support mounted within said cylindrical housing and having a swaging roller at its outer end moveable in a line substantially bisecting the distance between the centers of the swaging rollers carried by said saddle member, a normally inactive compression spring means mounted within said tool supporting housing for biasing said support in an operative direction, a cam means carried by said tool supporting housing operating to compress said spring means when the tool is in operation, and means for adjusting the position of said spring means with respect to a piston when uncompressed, whereby a definite pressure will be exerted thereby upon said support when said cam means is in its operative position.



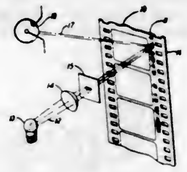
2,595,669
DISK GAME APPARATUS
Homer E. Gillespie, Long Beach, Calif., assignor to Gillespie Games Company, Long Beach, Calif., a corporation of California
Application October 11, 1948, Serial No. 53,776
14 Claims. (Cl. 273—95)



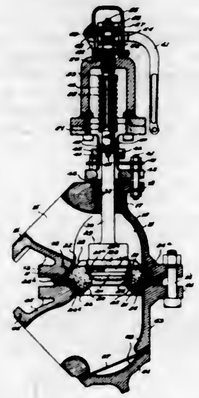
1. A skill game apparatus comprising a housing including a cover through which the playing field is visible; a horizontal playing field having targets; a horizontal stationary launching platform disposed a sufficient distance above said playing field and outside of said housing and forming a slit-like opening with said cover so that disc-like playing pieces may be trajected from said platform through the slit-like opening and through the air on to said playing field; and means for displacing the playing pieces from the playing field at the conclusion of a game.

2,595,670
REFLECTING SURFACE BONDED TO A FILM
William R. Goehner, Harding Township, Morris County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1949, Serial No. 75,890
11 Claims. (Cl. 179—100.3)

6. In a photographic apparatus in which a sound record is formed on a transparent carrier base the combination of a film having a reflecting material bonded thereto, means for directing light through said film onto said reflecting material, and a light sensitive device positioned to receive said reflected light.



2,595,671
CORROSION RESISTING SAFETY VALVE
Otto W. Greene, Brighton, N. Y., assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application September 14, 1946, Serial No. 697,071
3 Claims. (Cl. 137—53)



2. A safety valve comprising a housing having a valve seat, a valve stem having fixed thereon a valve head for cooperation with said seat, a stuffing box on said housing in which said stem is movably mounted, loose barrier packing in said box about said stem, a flexible diaphragm of rubber-like material on the outer end of said box and having an opening therein closely embracing said stem for reciprocating movement therewith to seal said box, a guide plate on said housing having an opening in which said stem is slidably guided, said stem being slidable in said housing with low resistance by said engaging parts, a bonnet secured on the outside of said housing, and spring means in said bonnet for resiliently resisting the opening movement of said stem under pressure in said housing.

2,595,672
ORNAMENTAL COVER FOR HEARING AIDS
Dorothea E. Greenwood, Lake Worth, Fla.
Application March 18, 1949, Serial No. 82,109
1 Claim. (Cl. 41—34)

A masking cover for hearing aids of that type having a body portion of cylindrical form with slightly spaced cord plugs detachably project-

ing from its periphery, comprising a flat split ring having its ends overlapping, said ring having an inwardly extending annular flange on one side for engagement behind the hearing aid, said ring being slotted at a point diametrically opposite the split for clearance passage of the plugs, a lateral integral extension formed on the ring



and projecting forwardly from the ring at a point adjacent the slot, said extension bent downwardly to provide a disc-like plate overlying and positioned substantially concentrically of the ring and the hearing aid and a decorative ornament secured to said plate of a size to substantially mask the hearing aid.

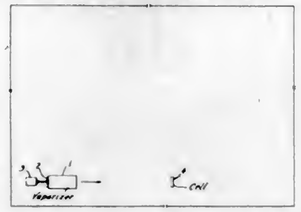
2,595,673

AIR STERILIZING METHOD AND APPARATUS

William M. Grosvenor, Jr., and Arthur P. Davis, New York, N. Y., said Grosvenor, Jr., assignor, by mesne assignments, to Staywell Corporation, New York, N. Y., a corporation of New York

Application April 12, 1950, Serial No. 155,517

2 Claims. (Cl. 21—74)



1. An apparatus for supplying triethylene glycol vapor in effective amount for disinfecting the air of a closed space without supersaturating the air therein including an electrically heated vaporizer for vaporizing the glycol vapors into a current of air, means for recirculating the air in the room through said vaporizer and for causing the glycol-laden air therefrom to enter the closed space with a directional flow and to mix with the air therein, a resistance cell having a normally non-conductive area which is adapted to become conductive by the adsorption of a layer of glycol thereon, said cell being located in the path of said directional flow and at a distance from the vaporizer, a heater for heating said cell to effect gradual removal of glycol vapors therefrom when such a layer is formed, electrical connections for heating said vaporizer and for heating said cell, and a relay connected with said cell and operated thereby when a conductive layer of glycol is formed thereon to disconnect the heater of the vaporizer and to connect the heater of the cell, and to connect the heater of the vaporizer and disconnect the heater of the cell when the conductive layer of glycol is removed from the cell.

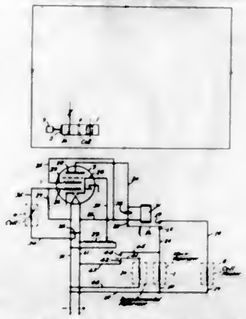
2,595,674

AIR STERILIZING METHOD AND APPARATUS

William M. Grosvenor, Jr., New York, N. Y., assignor, by mesne assignments, to Staywell Corporation, New York, N. Y., a corporation of New York

Application April 12, 1950, Serial No. 155,518

5 Claims. (Cl. 21—74)



1. An apparatus for supplying triethylene glycol vapor in effective amount for disinfecting the air of a closed space without supersaturating the air therein including a main electrically heated vaporizer for vaporizing the glycol vapors into a current of air, means for recirculating the air in the closed space through said main vaporizer, a small supplemental vaporizer for vaporizing only a small amount of glycol vapor into a current of air with means for circulating the air of the closed space therethrough, a resistance cell located in the path of the air from the supplemental vaporizer and having a normally non-conductive area which is adapted to become conductive by the adsorption of glycol thereon, a heater for heating said cell to effect gradual removal of glycol vapors therefrom when a layer of glycol is formed thereon, electrical connections for heating the main vaporizer and the heater of said cell, a relay connected with said cell and operated thereby when a conductive layer of glycol is formed thereon, to disconnect the heater of the main vaporizer and to connect the heater of the cell, and to connect the heater of the main vaporizer and disconnect the heater of the cell when the conductive layer of glycol is removed from the cell, and means for selectively operating said supplemental vaporizer in simultaneity with the main vaporizer and independently of the main vaporizer.

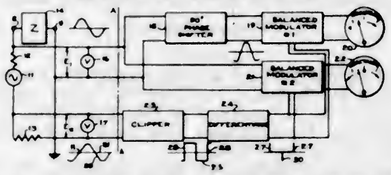
2,595,675

IMPEDANCE MEASURING APPARATUS

Edwin T. Jaynes, Washington, D. C., assignor to The Sperry Corporation, a corporation of Delaware

Application April 21, 1945, Serial No. 589,479

14 Claims. (Cl. 175—183)



7. Apparatus for measuring the resistive and reactive components of an impedance, comprising two terminals for connection to an impedance, means connected to said terminals for passing an alternating current through said impedance and producing a resultant alternating voltage between said terminals, first voltage indicating means including two input circuits and having the characteristic that both of said input circuits must be energized simultaneously to provide an indication, one of said input circuits being coupled to said terminals, a phase shifter also coupled to said terminals, second voltage indicating means similar to said first voltage indicating means and having the corresponding one of its input circuits coupled to said phase shifter for receiving therethrough said alternating voltage, and timing means responsive to the current through said impedance for producing a brief pulse coincidentally with the passage of the instantaneous value of said current through zero, and means applying said pulse to the other input circuits of said first and second voltage indicating means.

2,595,676

MANUFACTURE OF PAINTS AND VARNISH

Morris Kaufman and Alan Fowler Williams, London, England, assignors to C. D. Patents Limited, London, England, a British company

No Drawing. Application October 14, 1949, Serial No. 121,463. In Great Britain October 19, 1948

8 Claims. (Cl. 106—265)

1. A process for the manufacture of an organic paint or varnish having good heat-resisting properties which process comprises the copolymerisation of, by weight, one part of acenaphthylene, 10 parts of styrene and 2 parts of a drying oil by the action of heat in the presence of a terpene.

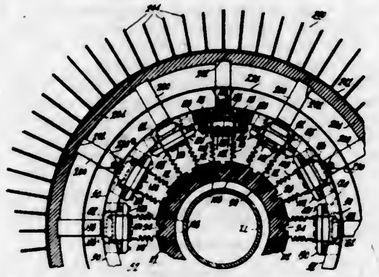
2,595,677

ELECTRON DISCHARGE DEVICE

Russell R. Law, Princeton Township, Mercer County, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 27, 1948, Serial No. 29,568

20 Claims. (Cl. 315—5)



1. An electron discharge device, comprising a control electrode, two electron emitting areas at one side of said control electrode, a conductive surface joining said areas and forming with said control electrode a cavity resonator, two electron collecting areas at the other side of said control electrode and a conductive surface joining said last named areas and forming with said control electrode a second cavity resonator.

2,595,678

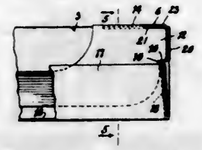
CARTON

David Levkoff, Great Neck, N. Y.

Application November 2, 1948, Serial No. 57,960

3 Claims. (Cl. 229—43)

1. In a carton construction, a tray-shaped carton having an open top, side walls, end walls composed of inner and outer plies, the inner ply having a part folded down and constituting a locking flap, the outer ply rising above the inner ply and terminating in an inwardly-directed substantially horizontal flap, the fold in the inner ply forming a shoulder, a substantially U-shaped



cover member consisting of a sheet folded to form a top panel and dependent side wings, the wings being entrant into the carton, the opposite edges of said wings being cut-away to form shoulders adapted to rest upon the shoulders formed by the downward fold in the inner ply when the cover member is inserted in the top of the tray.

2,595,679

CRYSTALLIZATION PROCESS

Baak W. Lew, Arden, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 3, 1950, Serial No. 194,030

9 Claims. (Cl. 260—75)

1. The process of converting an amorphous crystallizable linear polyester into a granular crystalline form which comprises bringing the said amorphous polyester to a temperature of not more than about 30° C. below the melting point of the crystalline form of said polyester, and subjecting it to a kneading action in the presence of added water until the polyester mass loses its cohesiveness and disintegrates into a granular solid.

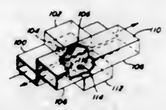
2,595,680

CONSTANT RESISTANCE PSEUDOHYBRID CHANNEL BRANCHING MICROWAVE FILTERS

Willard D. Lewis, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

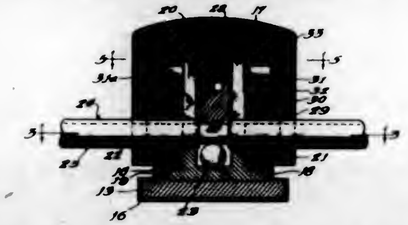
Original application October 7, 1949, Serial No. 120,142. Divided and this application February 3, 1951, Serial No. 209,276

9 Claims. (Cl. 178—44)



1. An electromagnetic wave, microwave frequency, wave-guide structure comprising a pair of electromagnetic waves, microwave frequency, wave guides and a pair of electromagnetic waves, microwave frequency resonant cavities coupling said pair of wave guides, a first one of said cavities being parallel coupled to a first one of said wave guides and series coupled to the second one of said wave guides, the second of said cavities being series coupled to the first one of said wave guides and parallel coupled to the second one of said wave guides, the center points of the two couplings to each wave guide lying in a common plane perpendicular to the longitudinal axis of the wave guide.

2,595,681
PLATING POINT ASSEMBLY FOR ELECTROPLATING RACKS
Elmer E. Liles, Harvard, Ill.
Application May 18, 1949, Serial No. 93,968
8 Claims. (Cl. 173—324)



1. A contact assembly to receive a plating point on an electroplating rack, comprising: an externally threaded cylindrical metal core having a base for metal-to-metal attachment to an electroplating rack and to receive a protective dielectric coating which also covers said rack, said core being transversely slotted to receive a dielectric jacketed metal plating point and make electric contact with an unjacketed portion thereof; a removable, annular protective, dielectric shield bottom segment surrounding the lower portion of the core and having a slot in register with the transverse slot in said core, said bottom segment being constructed to seal against a coating which covers said rack and the base of said core and the slot therein being constructed to make a snug sealing fit with the dielectric jacket on a plating point; and a removable protective dielectric shield top segment surrounding the upper portion of the core, said top segment being threaded for attachment to the core and having a lower portion to make sealing engagement with the bottom segment and with the dielectric jacket on a plating point.

2,595,682
HOLDER FOR BOOKS
Crispin H. Lipa, Quezon City, Rizal, Philippines
Application June 11, 1948, Serial No. 32,401
2 Claims. (Cl. 45—57)



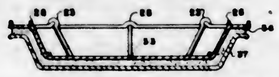
1. In a hook holder, a base, a shelf having one end arranged in facing spaced relation with respect to one end of said base, a rest arranged transversely of said base and shelf and having one end interposed in the space between the facing ends of said base and shelf, means on the confronting faces of said rest and base for pivotally connecting the base to said rest for swinging movement of the base toward and away from said rest, means on the confronting faces of said rest and shelf for pivotally connecting the shelf to said rest for swinging movement of the shelf toward and away from said rest, a finger holder arranged on the other end of said shelf and connected to the latter end for swinging movement into and out of engagement with opposite pages of an open book when the shelf is in its position of movement away from said rest and supports in conjunction with said rest said open book, and co-acting means on said base and said rest for retaining the rest in position when said shelf and said base are each in position of movement away from said rest, said co-acting means embodying a triangular-shaped member carried by the face of said base confronting said rest, and a guard on the face of said rest confronting the face carrying the triangular-shaped member and movably mounted for engagement with said triangular-shaped member.

2,595,683
TWEEZER
Charles J. Lo Monte, Los Angeles, Calif.
Application November 15, 1948, Serial No. 60,048
2 Claims. (Cl. 81—43)



1. In a pair of tweezers comprising a pair of generally flat elongate opposed arms crossed between their ends and including respective notched portions to accommodate the opposite arms, said arms each having a springy portion adjacent a first end and a gripping tip at its other end, tension adjusting means common to said arms at said first ends, said first ends being rigid; a ridge on the inner surface of one of said arms and a groove in the inner surface of the other arm, said ridge and groove forming a pivotal connection between said arms along a line spaced inwardly from the outermost extremities of said first ends, said first ends between said tongue and groove connections and said outer extremities including matching bores extending therethrough from side to side thereof, said first ends having respective outwardly diverging confronting faces, said tension adjusting means including a threaded bolt extending through said bores and a complementary finger piece having threaded engagement with said bolt, said finger piece comprising a disc having knurled edges projecting outwardly to the corresponding outer edges of the tweezer arms, said tweezers being held in adjustable clamped relationship by means of said bolt and finger piece, rotation of said finger piece serving to vary the degree of divergence of said confronting faces of said first ends relative to one another and adjusting the tension of said gripping ends through said springy portions and said pivotal connection.

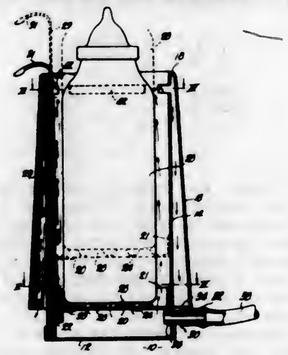
2,595,684
CULINARY UTENSIL
Lucy M. Lyons, Newark, N. J.
Application November 17, 1949, Serial No. 127,819
2 Claims. (Cl. 99—433)



1. A culinary utensil having a base portion formed of material having an uninterrupted surface of predetermined contour, a complemental upper portion having an interrupted lower surface of predetermined contour similar to said uninterrupted upper surface of said base portion and adapted to be securely disposed spatially therefrom, said complemental upper portion

comprising a primary section and a secondary section each having a pair of rim portions, a pair of base portions, and strap portions connecting said rim portions to said base portions, a circular rib disposed adjacent the various strap portions of the primary and secondary sections, a pair of angular ribs connected to each other and to the primary and secondary sections and the circular rib, said sections being complemental to each other and forming a framework, a mesh material being stretched and secured to one side of the framework of the utensil forming said interrupted lower surface of predetermined contour, and a multiplicity of positioning clasps having channels formed therein and being secured to certain of said rim portions and being adaptable for engaging one channel of each of said clasps with the peripheral edge of said base section.

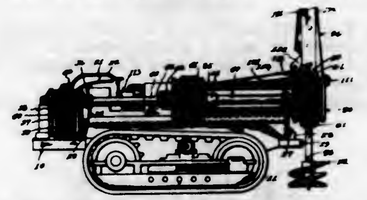
2,595,685
INFANT MILK BOTTLE AND FOOD WARMER
Robert E. Mallery, Oklahoma City, Okla.
Application April 25, 1949, Serial No. 89,395
3 Claims. (Cl. 257—208)



1. An article heater comprising an open top, article-receiving container having a side wall and a bottom wall; a skirt having an outlet opening, said skirt circumscribing the side wall in spaced relationship thereto, the upper ends of the wall and the skirt respectively being interconnected throughout the lengths thereof; means for directing a heated liquid under pressure into the container; liquid overflow openings formed in the container near said upper end thereof in register with the space between the wall and the skirt; a perforated article support in the container spaced above said bottom wall, said means being below the support; and means mounting the support for selective positioning in the container at variable distances above the bottom wall.

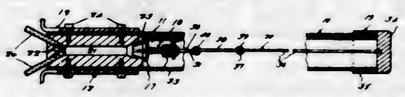
2,595,686
POSTHOLE DIGGING MACHINE
Dave M. Manning, Hysham, Mont.
Application April 5, 1948, Serial No. 19,116
6 Claims. (Cl. 257—19)

1. An earth drilling machine of the character described, comprising in combination with a tractor structure having a power take-off means, a pair of rotatable members disposed at one side of the tractor structure and spaced apart longitudinally of the structure, a single rotatable member disposed at the front of the tractor and upon the opposite side thereof from the first members, a driving connection between the pair of rotatable members, a driving connection between the forward one of the pair of rotatable members and the single rotatable member, said rotatable members being supported to turn on vertical axes, means for transmitting rotary power from the power take-off to the rear one of the pair of rotatable members, the said single one of the rotatable members having a passage of polygonal cross section formed axially therethrough, an auger stem of the same polygonal cross section as said passage and slidably extending through the passage of the single rotatable member, an earth auger secured to the lower end of said stem, means for applying a



down thrust to said auger stem, means for effecting lifting of the auger stem, the said forward one of the pair of rotatable members being supported for turning movement about an axis perpendicular to its axis of rotation, means supporting the said single rotatable member for turning on an axis perpendicular to its axis of rotation and also perpendicular to the axis of turning for the said forward one of the pair of rotatable members and power means for turning the said forward one of the pair of rotatable members on the second mentioned axis and power means for turning the said single one of the rotatable members on the said turning axis therefor.

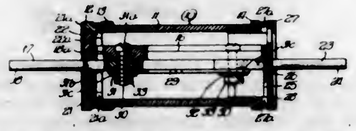
2,595,687
RESERVOIR HANDLE FOR FLOOR WAX APPLICATORS
James H. McKendrick, Los Angeles, Calif.
Application November 19, 1948, Serial No. 60,906
1 Claim. (Cl. 222—191)



A liquid dispenser comprising an elongated, tubular handle constituting a liquid reservoir, a cylindrical plug disposed at one end of said handle in fluid-tight engagement therewith, said plug having a concentric, longitudinal bore extending partly therethrough from its inner end with a pair of holes extending from the outer end of said plug to the adjacent end of said bore and diverging in a direction away from said bore, said plug having a counterbore in its inner end terminating in an annular valve seat, a pair of tubes inserted one into each of the holes in said plug and diverging beyond the outer end of said plug to convey liquid outwardly from the corresponding end of said tubular handle, an apertured plate spaced from the inner end of said plug, spaced-apart supports disposed one support near each end of said plate securing said plate to said plug, a valve piston seated in the inner counterbore of said plug, a valve stem secured at one end to said valve piston and extending slidably through the aperture in said plate, a compression spring interposed between said plate and said valve piston to resiliently hold said piston

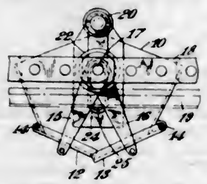
in fluid-sealing engagement with the valve seat at the inner end of said plug bore, a hollow cap slidably receiving the end of said handle opposite the plug-receiving end of the latter, and a connector connecting said cap to said valve stem for movement of said valve piston away from said valve seat upon movement of said cap outwardly of said handle, said cap being movable relative to the adjacent end of said handle for uncovering at least a portion of the end of said handle for filling said handle with liquid.

2,595,688
FUSE
John S. Messer and David L. Davis, Chicago, Ill., assignors, by mesne assignments, to Economy Fuse and Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 31, 1948, Serial No. 18,165
4 Claims. (Cl. 200—131)



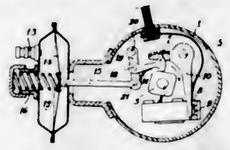
1. A fuse construction embodying a cylindrical casing, one end of said casing having an internally threaded collar secured thereto, an externally threaded cup-shaped member engaged in said collar and being free to move by screwing action therein axially of said casing throughout the limits of engagement of the threading therebetween, a slot in the bottom of said cup-shaped member which forms an end closure for said casing, a baffle plate disposed in said cup-shaped member interiorly of said casing adjacent said slot in free-moving relation thereto, a smaller slot in said baffle plate, a flat terminal element having shoulder portions bearing against the exterior of said cup-shaped member and a tongue contiguous to said shoulder portions extending in loose fitting relation through the slot in said cup-shaped member and in tight fitting relation through the smaller slot in said baffle plate, said terminal and baffle plate having limited universal movement relative to said cup-shaped member during assembly with said collar, and being effective substantially to close the slot in said cup-shaped member as assembled.

2,595,689
ENDLESS BUCKET CONVEYER
Frederick Gilbert Mitchell, London, England
Application May 20, 1949, Serial No. 94,350
In Great Britain March 4, 1948
8 Claims. (Cl. 198—143)



1. An endless bucket conveyor comprising an endless carrier, a track defining a path for the carrier, a plurality of buckets associated with the carrier at spaced intervals in its length, each bucket having a body portion capable of lifting movement in relation to the carrier and having movable closure means associated with an opening at the bottom of the body portion, combined, for each bucket, with a coupling connected at one end to the carrier and at the other to the bottom closure means of the bucket in such manner that the weight of the bucket and its contents is taken by the coupling and the tension in the coupling applied to the bottom closure means to maintain said means in the closed position, and combined with means in the path of the carrier for effecting relative lifting movement as aforesaid between each bucket and the carrier so as to take the weight off the coupling and permit opening of the bottom closure means and consequent discharge of the contents of the bucket.

2,595,690
ENGINE IGNITION TIMER
Maurice Montifret, Paris, France, assignor to Societe Anonyme des Etablissements Ducellier, Paris, France
Application May 3, 1948, Serial No. 24,817
In France July 20, 1943
1 Claim. (Cl. 200—31)



In a timer for battery-ignited combustion engines the combination comprising a casing, a member associated with said casing responsive to engine operating conditions, a rotatable shaft driven by said engine, a cam secured to said shaft, a pawl having one end pivoted upon a fixed axis of oscillation and the other end thereof forming a movable contact, a fixed contact upon said casing opposite said movable contact, means for regulating the instant of ignition contact consisting of a pivotally mounted follower having one end thereof in the form of a hammer in frictional contact with the cam and a finger of the pawl, a crank link pivoted at one end upon said casing having towards its middle a pivot pin and an actuating rod having one end pivoted at the free end of said crank link and whose other end is connected to said member responsive to engine operating conditions.

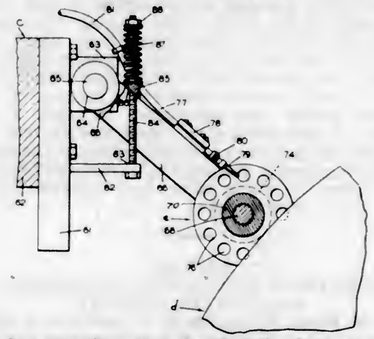
2,595,691
SIGNAL RESPONSIVE CIRCUIT
Jack A. Morton, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 5, 1943, Serial No. 505,029
20 Claims. (Cl. 343—13)



1. Means for distinguishing a signal from unwanted variations of random occurrence comprising clipping means, means for impressing upon said clipping means the signal in the form of variations repeated at least once along with

spurious variations randomly distributed, to form series of mixed variations, said clipping means being set to suppress all portions of said mixed variations which lie outside a predetermined amplitude range about equal to or less than that of the signal range, and means to obtain a record representative of said first series of mixed variations after passing through said clipping means and to repeat the recording for each succeeding series to increase the degree of recording substantially in proportion to the number of series, whereby any clipped portions of the unwanted variations substantially mask concurrent portions of the signal in the record as formed from the first of said series but the completed record of the signal is of such strength as to override the unwanted variations except where the latter which have been clipped occupy the same position in all of said series.

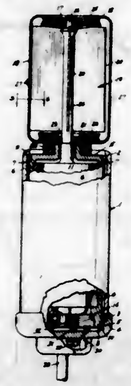
2,595,692
AUTOMATIC FLANGE OILER FOR CAR WHEELS
Henry O. Murphree, Heavener, Okla.; Dewey Murphree administratrix of said Henry O. Murphree, deceased
Application November 14, 1947, Serial No. 785,997
2 Claims. (Cl. 184—3)



1. In an automatic oiler for the flanges of car wheels, a pair of parallel arms pivotally mounted above and forwardly of a wheel, a grooved distributing roller journalled between said arms and straddled over the flange of said wheel for rolling contact therewith, one of the flanges of said roller having a circular series of pockets opening toward the wheel flange, a tube extending along one of said arms having an end connected with an oil supply, clamp means for securing said tube to said arm, a nozzle at the free end of said tube and positioned to discharge oil into said pockets, and spring tensioned means having bearing on the upper sides of said arms to resiliently maintain said roller in contact with the flange of said wheel.

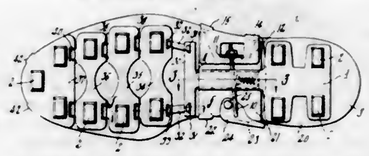
2,595,693
ROTARY SHAVING DEVICE
Cecil K. Norwood, Portland, Oreg.
Application January 6, 1949, Serial No. 69,551
1 Claim. (Cl. 30—43)

An electric shaving device comprising in combination a hollow cylindrical handle, bearings disposed in the interior of the handle at each of its ends, a housing mounted within said bearings whereby the handle is rotatable with respect to the housing, a motor secured within the housing and having a shaft extending outwardly from one end of the housing and handle, a rotary cutter head secured to the motor shaft, an apertured cylindrical guard surrounding said cutter head, resilient insert rings secured to both ends of the guard, a bearing disposed in one of said rings for



the outer end of said motor shaft, the other of said rings being attached to one end of said housing whereby in the absence of pressure against the side of the guard said cutter head will rotate concentrically with and out of contact with the sides of said guard.

2,595,694
DETACHABLE SHOE SOLE
Floyd H. Ogden, Arlington, Mass.
Application May 4, 1951, Serial No. 224,599
3 Claims. (Cl. 36—7.1)

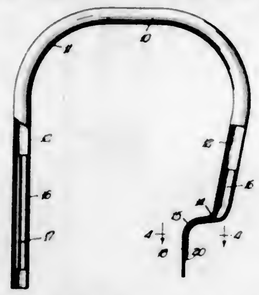


1. A detachable sole having a heel portion provided with a forward shank extension, means for clamping said extension to the sides of a shoe sole at the shank thereof, an element carried by said extension and slidable lengthwise thereof, a spring interposed between said extension and said element and pressing said element rearwardly, said detachable sole having a forepart portion secured to said element, and elements at the forward part of said forepart portion engageable with the sole edge of a shoe and pulled back into clamping contact therewith by said spring.

2,595,695
TUBULAR ALUMINUM BAIL WITH REINFORCING INSERTS AT ENDS
Charles S. Packer, Chicago, and Marvin R. Olsen, Glen Ellyn, Ill., assignors to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1947, Serial No. 775,772
3 Claims. (Cl. 240—52.3)

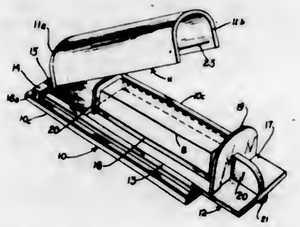
3. In a lantern bail, a tubular member of aluminum, said member having substantially the shape of an inverted U and including an arcuate handle portion and spaced depending side portions, each side portion having a bend therein

whereby to form an offset terminal portion, a tubular steel insert located in each depending side portion in the section of the bend so as to project above and below the same for reinforcing and strengthening the section against the



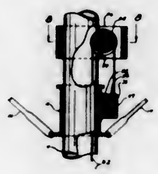
weakening effect of the bend, the walls of each side portion and the walls of the insert adjacent thereto being collapsed and flattened as a result of said bend and said flattened walls continuing for the length of each terminal end portion.

2,595,696
SLICING AND STORING DEVICE
Carl W. Paul, New York, N. Y.
Application July 7, 1949, Serial No. 103,348
6 Claims. (Cl. 31—20)



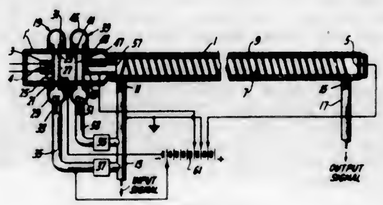
1. A slicing and storing device comprising a base, a cover, and a platform member having a food supporting portion on the upper surface thereof, the lower surface of said platform member abutting the upper surface of said base and being slidable in a longitudinal direction relative thereto between a retracted position in which the platform member is in registry with the base and an advanced position in which the front edge of the platform member is located forwardly of the base, the rear end of said cover being pivotally attached to the rear end of said base in such a manner that said cover may be pivoted into and out of flush engagement with the top surface of said platform member, said cover having an open bottom end and an open front end which has cutting means secured thereto, said cutting means being positioned to abut the top of the food supporting portion of said platform member when the said cover is lowered into contact with said platform member, said platform member having an upstanding wall adjacent its front end said wall being positioned to close off the open front end of said cover when said cover is in its lowered position and said platform member is in its retracted position, whereby said cover is effectively closed for the storage of food therein.

2,595,697
GARDEN UMBRELLA
Humberto Pereira, Essex, Conn., assignor to The Finkel Umbrella Frame Company, Inc., New York, N. Y., a corporation of New York
Application June 8, 1948, Serial No. 31,615
2 Claims. (Cl. 135—20)



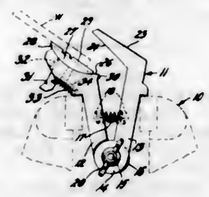
2. In an umbrella, a hollow mast, a collar slidably mounted on said mast, to which collar the stays of the umbrella are secured, movement of the collar in an upward direction effecting raising of the umbrella and in a downward direction effecting lowering of the umbrella, a frame surrounding said mast and anchored thereto, said frame having a laterally projecting portion, a manually operated shaft journaled in said laterally projecting portion, a reel keyed to said shaft and extending through a slot formed in the mast, a second frame surrounding said mast and anchored thereto, said second frame having a laterally projecting portion, a guide roller journaled in said laterally projecting portion of said second frame and projecting through a slot formed in the mast, and a tape having one end fastened to said reel and windable and unwindable thereabout, passing upwardly within the mast over the guide roller and fastened at its other end to said collar.

2,595,698
ELECTRON DISCHARGE DEVICE AND ASSOCIATED CIRCUIT
Rolf W. Peter, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 10, 1949, Serial No. 92,317
12 Claims. (Cl. 315—39)



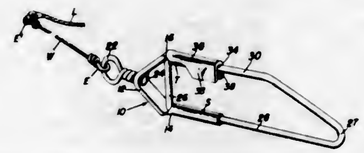
1. An electron discharge device comprising means for supplying and directing a beam of electrons along a given path, means for collecting said electrons, waveguiding means positioned between said electron supplying means and said collecting means and extending along said path, at least two separate means for exciting traveling waves along said waveguiding means in accordance with an electrical signal, and means for extracting amplified electrical energy from said waveguiding means.

2,595,699
WORK HOLDING UNIT FOR VISES
Carl E. Petersen, Brooklyn, N. Y., assignor of thirty per cent to Dagmar G. Wallin, Brooklyn, N. Y.
Application July 13, 1951, Serial No. 236,581
4 Claims. (Cl. 81—38)



1. A work holding unit to be mounted in a vise, comprising a pair of pivoted jaws, a jaw portion at the upper end of each arm, the jaws extending obliquely to said arms, one jaw having an arcuate face and being bored to provide a passage therein, a slide having an arcuate face corresponding to the arcuate face of said jaw, a tab projecting from said slide through said passage and beyond said jaw to provide a finger piece for manual manipulation of said slide, and pivot means for the jaws adjustable to hold the jaws closed when the unit is removed from the vise.

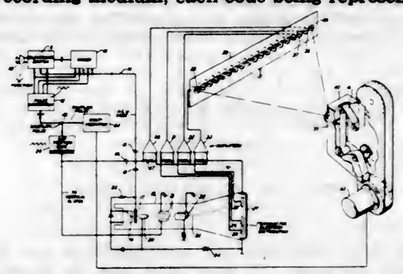
2,595,700
RESILIENT SNAP HOOK
Harold E. Plough, Laporte, Minn., assignor of one-half to Harold R. Mitchell, Bemidji, Minn.
Application June 13, 1950, Serial No. 167,779
1 Claim. (Cl. 24—236)



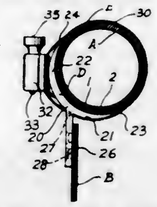
A snap hook comprising a substantially U-shaped member including a V-shaped web portion and leg members joined by said web portion, the apex of said web portion having an opening therein adapted to carry a swivel member, an elongated wire split loop member having one portion thereof in the form of a square, one free end of the loop and said square portion received between and attached to said leg members with the square portion in a spaced relationship with the said apex, one of said leg members having a keeper channel to receive the other free end of the loop member.

2,595,701
RECORDING SYSTEM
Ralph K. Potter, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1948, Serial No. 68,601
15 Claims. (Cl. 179—100.3)

1. A sound record comprising successive sloped rows of n-digit pulse position codes arranged upon a recording medium, each code being representative of an instantaneous sample amplitude of a sound to be reproduced.



2,595,702
SPLASH GUARD BRACKET FOR SHOWER PIPES
Bruno E. Prevost, Andover, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application August 21, 1946, Serial No. 691,943
2 Claims. (Cl. 299—106)

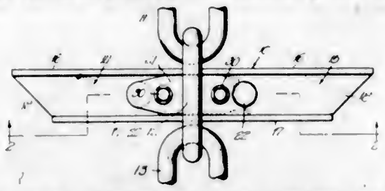


2. In a shower for use in paper making machines, the combination of a shower pipe having a plurality of orifices spaced longitudinally thereof; a splash guard extending longitudinally of said shower pipe at a spaced distance therefrom; splash guard supporting brackets of bendable metal each comprising an arcuate base portion of crescent shaped cross section and each having an integral splash guard supporting flange projecting outwardly, intermediate of said base portion, at a substantial angle from the straight line extension of the radius of said arcuate base at said flange and a flexible tightening band encircling said shower pipe, adapted to fix each bracket in various positions on said shower pipe.

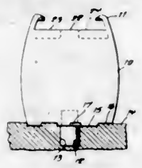
2,595,703
CONVEYER FLIGHT
Donald A. Price, Sr., San Leandro, Calif., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application June 16, 1950, Serial No. 168,625
9 Claims. (Cl. 198—176)

7. A conveyor flight adapted to be releasably affixed to a standard conveyor chain having an apertured link, said conveyor flight including separable flight sections each comprising a top plate, a bottom plate and an intermediate connecting web, the web of each section being offset with respect to the longitudinal center to permit overlapping of the webs, each web also projecting beyond the top and bottom plates of its respective section to form a nose portion, a lug located at the terminal end of each nose portion

and being integral therewith, and the web of each section having an opening in spaced relation to its lug and of a size to receive the lug of the other section, whereby in assembling the separable flight sections the nose portions are extended through the apertured link in opposed relation and said flight sections interlock by having the lug of each nose portion located in the opening in the web of the other section.

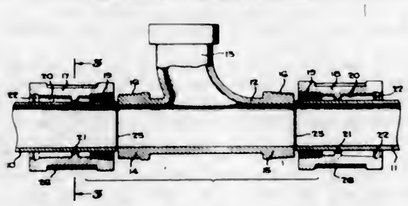


2,595,704
MANICURING IMPLEMENT
Alan Rinehart, New York, N. Y.
Application July 30, 1948, Serial No. 41,481
2 Claims. (Cl. 132—73)



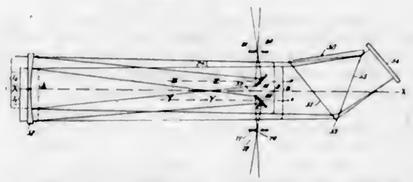
1. A manicure implement for masking the sides of a nail during the application of enamel thereto and comprising a block provided with hook-shaped members extending upwardly from opposite ends of its upper surface, such upper surface having a recess below each such member and defined by opposed walls, each free inner edge portion of the member being bevelled and concavely curved and having a relatively sharp edge forming a mask, each of the opposed walls defining such recess forming a support for the finger, a support for the block having an opening therein and a pin carried at the lower end of the block which is positioned in the opening, the lower surface of the block and the upper surface of the support having radially disposed, complementary splines and recesses arranged to secure the block in an adjusted, fixed position.

2,595,705
INSERT FITTING
Ernest E. Rosecrans, Sr., Los Angeles, Calif.
Application March 8, 1949, Serial No. 80,107
2 Claims. (Cl. 285—116)



1. An insert fitting for a pipe line comprising a conduit section adapted to be inserted between spaced ends of a pipe line, said section having external tapered threads at the opposite ends thereof, and hubs having internal threads complementary to said threads adapted to be slipped onto the pipe line ends prior to the insertion of the fitting and then screwed onto the threaded ends of the fitting, the interior of each of the hubs having a substantial clearance with respect to the pipe line ends on both sides of an internal annular flange spaced from the threads of the hubs and against which oakum may be caulked.

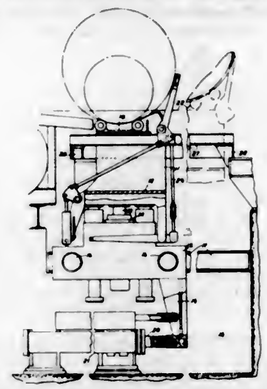
2,595,706
MONOCHROMATOR WITH SLIT REFLECTING MIRRORS IN COLLIMATED LIGHT BEAMS
Seymour Rosin, New York, N. Y., assignor to Farrand Optical Co., Inc., New York, N. Y., a corporation of New York
Application March 26, 1949, Serial No. 83,551
7 Claims. (Cl. 88—14)



1. A spectrometric instrument comprising a spherical mirror, a dispersing prism having a face substantially centered on a radius of the spherical mirror which is substantially centered on the area of the spherical mirror, the prism having its edge perpendicular to the said radius, the separation of the intersections of the said radius with the surface of the spherical mirror and with the said prism face being not less than one half the radius of curvature of the spherical mirror, a plane Littrow mirror supported behind the prism for rotation about an axis parallel to the face of the Littrow mirror and parallel to the edge of the prism, two Newtonian mirrors having plane faces whose planes intersect along a line parallel to the edge of the prism, the said line intersecting the said radius at a point intermediate the spherical mirror and the prism, an entrance slit so located that its image in the closer of the Newtonian mirrors lies on the focal surface of the spherical mirror at an angular separation from the said radius not exceeding 1.5 degrees measured at the center of curvature of the spherical mirror, and an exit slit located at the mirror image position of the entrance slit in the plane containing said radius and parallel to the prism edge.

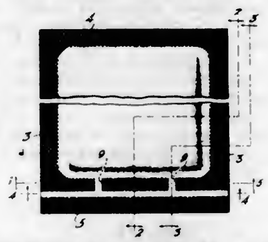
2,595,707
TRAVELING COIL LIFTING GEAR
Robert Gordon Russell, Sheffield, England, assignor to Davy and United Engineering Company Limited, Sheffield, England
Application January 16, 1950, Serial No. 138,723
In Great Britain January 21, 1949
1 Claim. (Cl. 214—1)

A travelling coil lifting gear for location in a pit, comprising a cradle, a carriage, vertical supporting means for said cradle on said carriage, means for moving the cradle vertically, guides serving to support the carriage during horizontal travel along the pit, means to move said carriage horizontally, and a false floor for the pit having two slots therein extending parallel with said guides, said slots receiving and permitting the passage of said supporting means during vertical movement of the cradle and horizontal movement of the carriage, and spaced beams forming a third slot intermediate and parallel



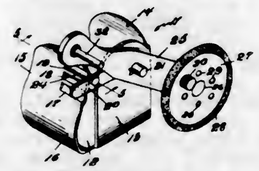
to said two slots, and said third slot forming a passageway for said controlling means during vertical movement of said cradle and horizontal movement of said carriage.

2,595,708
VENTED PACKAGE
Leroy L. Salfisberg, South Orange, N. J.; Herman G. Kopald and Lloyd I. Volckening, executors of said Leroy Salfisberg, deceased, assignors to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application September 1, 1948, Serial No. 47,189
1 Claim. (Cl. 206—46)



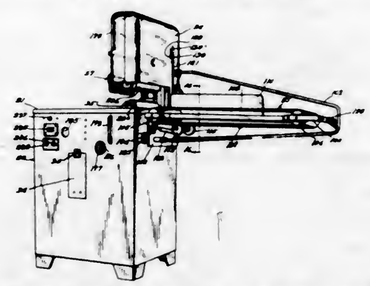
A vented package comprising two opposed approximately flat layers of flexible packaging material providing a commodity-containing compartment between them one margin of which is formed by a sealing flange consisting of the marginal portions of said layers extending beyond the compartment and in approximately a common plane therewith, said marginal portions being heat sealed together in flat super-posed relation and providing between them a vent passage communicating with and extending from said compartment through an edge of said sealing flange, and a porous gas-conducting substance in said vent passage and with one portion exposed to the interior of said compartment and another portion exposed to the atmosphere at said edge of the sealing flange whereby to permit the escape of gases from the compartment through the pores of said gas-conducting substance to the atmosphere and restrict ingress of foreign matter into said compartment, said sealing flanges having two spaced and parallel edges and said vent passage having a portion extending throughout the length of said sealing flange and exposed at each end to the atmosphere at one of said parallel edges, said passages having another portion leading from the first-mentioned portion to and communicating with said compartment, and said porous gas-conducting substance comprising a strip of material extending throughout the length of the first-mentioned portion of said passage and exposed to the atmosphere at said parallel edges of said sealing flange.

2,595,709
PORTABLE DOOR HOLDER
Henry Fletcher Sands, Cranston, R. I.
Application April 6, 1950, Serial No. 154,287
4 Claims. (Cl. 292—339)



1. A portable door holder comprising a clamp having an end wall to extend in face-to-face contact with the free edge of a door and a bottom wall having side walls extending therefrom, said walls engaging the sides of the door, a pivot pin on said end wall perpendicular thereto, a lever pivotally mounted intermediate its ends on said pin, a resilient friction member on one end of said lever, said lever and member being of such a length and so weighted that gravity will swing the member to engage and friction on the floor over which the door swings at an acute angle to the floor, while the portion of the lever on the other side of the pivot is substantially the length of the distance of the pivot above the lower edge of the end wall to permit swinging about the pivot for the weighted end to engage the floor on either side of the door and also serves as a pedal to raise the member from engagement with the floor.

2,595,710
GARMENT STARCHING MACHINE
Roy M. Schultz, Chicago, Ill., assignor to G. H. Bishop Company, Chicago, Ill., a corporation of Illinois
Application June 2, 1950, Serial No. 165,849
19 Claims. (Cl. 118—12)



1. A machine for starching garments and the like comprising a supporting frame having a substantially flat top, a container for a starchy solution mounted on said top, garment-extracting means mounted on said top adjacent said container for movement into and out of extracting relation, and dual control means mounted on

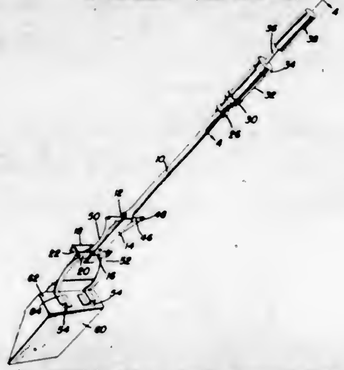
said frame and operatively connected to said garment-extracting means for actuating the latter into extracting relation only upon simultaneous manipulation of said control means.

2,595,711
MOTOR VEHICLE TRAILER HITCH
Stanley Schwork, Bangor, Pa.
Application June 14, 1950, Serial No. 167,955
1 Claim. (Cl. 280—33.44)



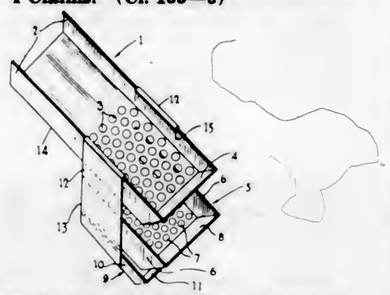
In a trailer hitch, a first and second jaw for engaging a vehicle bumper, each of said jaws being provided with a hook on one end and a horizontally disposed flange on its other end, said flanges being arranged contiguous to each other and provided with registering openings, a ball seated on the upper flange and having a threaded stud extending therethrough and through said registering openings, a securing element arranged in threaded engagement with the lower end of said stud and abutting the lower flange to clamp the jaws on the bumper, and a horizontally disposed plate secured to said lower jaw and provided with a plurality of openings therein.

2,595,712
FIRE TOOL
Rose M. Shearer, Crystal City, and Pauline R. Adams, Fort Worth, Tex.
Application December 19, 1949, Serial No. 133,754
2 Claims. (Cl. 294—2)



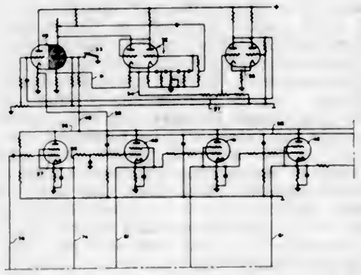
1. A combination tool comprising opposed S-shaped tongs each having a depending hook at one of its ends, a bar terminally pivoted to the other ends of said tongs, an elongated tube having a bifurcated end straddling said bar, means carried by said bifurcated end adapted to engage said tongs and urge them toward a closed position, a rod secured at one end to said bar extending through said tube and having a handle at its other end, and resilient means urging said rod and tongs into engagement with said first-named means, said first-named means including plates secured to said bifurcated end and straddling said tongs and rollers between and adjacent the ends of said plates adapted to engage the outer edges of said tongs and press them together.

2,595,713
COIN SEPARATOR FOR FARE BOXES
Stanley Siernos, Newark, N. J.
Application December 31, 1948, Serial No. 68,652
4 Claims. (Cl. 133—3)



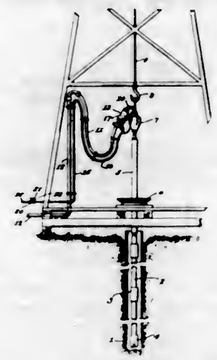
1. A coin separator for a fare box, comprising in combination a plurality of parallel inclined chutes positioned one above the other and upright means for supporting said chutes, each of said chutes except the lowest one having coin selective apertures formed through a bottom thereof, a coin retaining plate on an end of each chute, said end plate being angularly and outwardly disposed for ease in removal of selected coins, said supporting means having an upright edge engageable with a side of a fare box, an uppermost and lowermost chute being slideably secured to said support, said uppermost chute having a portion extending rearwardly beyond the said upright edge of said support, said extended portion being engageable with a complementary discharge chute of a fare box and being slidably adjustable so that the said upright edge fits flush against a side of a fare box when said extended portion is in secure engagement with said complementary chute, the bottom of said uppermost chute being apertured from its coin retaining plate to the said upright edge of said support, a fixed intermediate chute projecting forwardly and outwardly of said support beyond an upper chute, said intermediate chute being vertically spaced from said upper chute to permit the removal of selected coins by hand therefrom, said lowermost chute being an inclined drawer.

2,595,714
ELECTRONIC MULTIPLEX TO START-STOP EXTENSOR
Ransom D. Slayton, Lombard, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 24, 1950, Serial No. 170,172
6 Claims. (Cl. 178—2)



1. In a multiplex to start-stop converter in combination with a multiplex distributor, a start-stop distributor, a start-stop oscillator for operating said distributor, a plurality of pairs of tubes forming flip-flop circuits, each pair being assigned to one of the components of a multi-component code signal received from said multiplex distributor, each pair of tubes being reversed in conduction in response to its component being a marking condition, a plurality of tubes each one of which is associated with a pair of said tubes forming a flip-flop circuit and which is rendered conducting upon receipt of a marking condition by said flip-flop circuit, means jointly responsive to one of said second mentioned plurality of tubes being rendered conducting and to an impulse from said multiplex distributor for releasing said oscillator for operation, means controlled by said start-stop distributor for retransmitting the received multicomponent received signals, and means to insert start and stop impulses to the retransmitted signal.

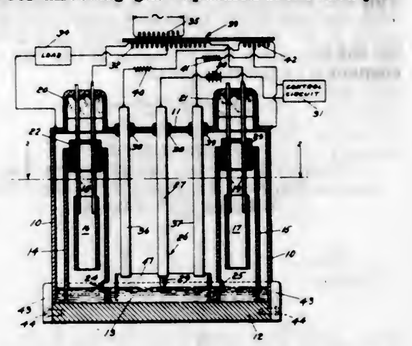
2,595,715
METHOD OF AND APPARATUS FOR EXPEDITING THE DRILLING OF WELLS
John I. Sloan, Tulsa, Okla., assignor of one-fifth to John H. Poe, Tulsa, Okla.; Pearl Sloan, executrix of said John I. Sloan, deceased, assignor of four-fifths to Pearl Sloan
Application January 28, 1947, Serial No. 724,832
8 Claims. (Cl. 255—1.8)



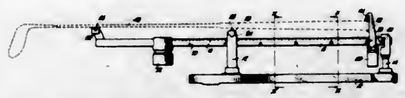
1. The method of expediting the drilling of wells in which drilling mud is forced through the kelly and string of drill pipe during the drilling operation, which consists in stopping the drilling operation and admitting compressed air or other gaseous fluid at superatmospheric pressure to force the drilling mud downwardly and out through the drilling bit, and relieving the built up pressure prior to removal of the kelly or section of the string of drill pipe.

2,595,716
GASEOUS DISCHARGE DEVICE
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 10, 1950, Serial No. 137,685
6 Claims. (Cl. 313—29)

1. An electron discharge device comprising an envelope containing an ionizable gas, an anode, a liquid cathode, a discharge path between said anode and said cathode, and means for continuously displacing the portion of said gas adjacent said anode comprising means for continuously vaporizing a portion of said liquid cathode and means for directing gas vaporized from said portion toward said anode substantially along said discharge path.

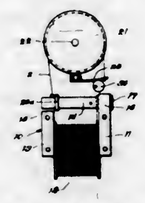


2,595,717
GOLF CLUB SCALE
Kenneth Smith, Lenexa, Kans.
Application January 2, 1948, Serial No. 52
2 Claims. (Cl. 73—65)



1. A combination weighing and balance comparison device for golf clubs and the like, said device comprising an elongated, horizontal bar; means for pivotally mounting said bar intermediate the ends thereof; structure on the bar for supporting a club in substantial alignment longitudinally therewith; means on the bar at one side of the pivot for alternately supporting said club with the full weight thereof on said one side of the pivot; and means on the bar for balancing the same on said pivot when a club is supported by the bar, said structure comprising an element on each side of said pivot respectively, one of the elements comprising a transverse bar-like cradle, said first mentioned means on the bar including a groove formed in said cradle.

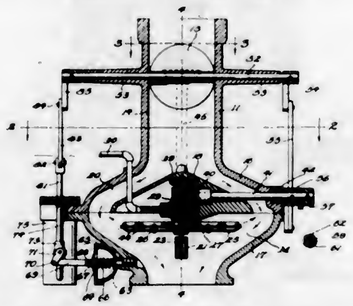
2,595,718
VIBRATOR MOTOR
Harold L. Snavely, Oak Lawn, Ill.
Application January 8, 1949, Serial No. 69,959
8 Claims. (Cl. 172—126)



1. In a vibrator a U-shaped magnetic element, an armature disposed proximate to the ends of said element, a resilient mounting for one end of said armature supporting it adjacent to the end of the magnetic element, a shading pole for inducing flux in said element, and a spring for urg-

ing the other end of said armature away from the element, said spring being of such strength as to hold one end of the armature away from the element at all times so as to induce said armature to oscillate when the strength of the flux in said element is varied sinusoidally.

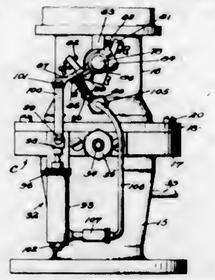
2,595,719
CARBURETOR
Charles R. Snyder, Miami Beach, Fla.
Application May 18, 1946, Serial No. 670,814
5 Claims. (Cl. 261—89)



1. In a carburetor, a hollow casing providing in series an air inlet passage, an enlarged annular mixing chamber, and an outlet for carbureted fuel; a throttle valve in said inlet passage; a stationary generally conical baffle spaced concentrically within said mixing chamber with the base of the cone directed toward said carbureted fuel outlet, the space within said casing from said throttle valve to the base of the cone of said baffle being substantially open and uninterrupted, whereby air flowing inwardly past said throttle valve passes around said baffle in a substantially continuous tubular flow; a vaned centrifugal fuel disseminator mounted within said mixing chamber for rotation in a plane transverse to said casing, said disseminator being located between said baffle and said outlet passage in a position to be surrounded by the tubular flow of air from said baffle; manually controlled means for feeding liquid to said disseminator, and a conduit of restricted cross-sectional area for receiving air from a portion of said inlet passage anterior to said throttle valve and directing air against the vanes of said disseminator to rotate the disseminator, said conduit being located wholly outside of the area of said inlet passage between said throttle and said baffle.

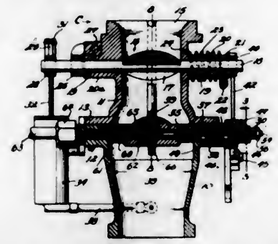
2,595,720
CARBURETOR
Charles R. Snyder, Miami Beach, Fla.
Application November 16, 1946, Serial No. 710,388
6 Claims. (Cl. 261—50)

1. In a carburetor of the type having a casing formed with an induction conduit in which a movable air-control valve is positioned, there being an operating shaft for said valve mounted for rocking movement in the walls of said casing, together with means for imparting rocking movement to the shaft, the improvement comprising: a cylinder carried by said casing, a piston slidable in said cylinder, motion-transmitting means linking said piston with said rock shaft and providing normally movement of said piston in unison with said rock shaft, passage means formed in said cylinder on one side of said piston, said passage means including an atmospheric vent, automatic valve means responsive to normal engine-created pressures existing in said conduit to maintain said vent open to



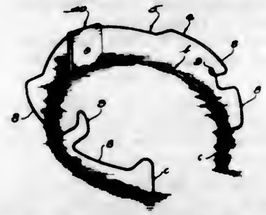
the atmosphere and upon predetermined pressures in said conduit caused by the associated engine operating under a heavy load to close said vent and thereby retain said piston against movement in said cylinder.

2,595,721
CARBURETOR
Charles R. Snyder, Miami Beach, Fla.
Application October 21, 1948, Serial No. 55,711
6 Claims. (Cl. 261—50)



2. In a carburetor, a casing provided internally with a passageway communicating on one side with the atmosphere and on its other with the cylinders of an associated engine, a movable airflow controlling throttle valve positioned in said passageway, valve means for introducing regulated quantities of a vaporizable hydrocarbon fuel into said passageway for carburetting admixture with air traveling therethrough, means interconnecting said valves, spring means coacting with said throttle valve to apply constantly effective forces thereto throughout the full range of operation of an associated engine which when unopposed move the valves into positions substantially obstructing air and fuel flow therethrough, means responsive constantly to engine intake manifold pressures in all stages of engine operation for moving said air and fuel-controlling valves in opposition to forces exercised thereon by said spring means, whereby to cause said valve to assume operating positions admitting of air and fuel flow into said passageway in quantities proportionate to said manifold pressures, a manually operable stop member coacting with said throttle valve limiting variably the opening response of the valve to said manifold pressures, and spring means cooperative with said stop member to cause movement of the latter upon cessation of manual forces thereto in producing operation of said valves to effect their closure to fluid flow.

2,595,722
HAT STACKING DEVICE
Martin B. Sorensen, Merced, Calif.
Application July 19, 1946, Serial No. 684,873
1 Claim. (Cl. 211—30)

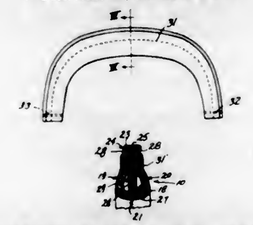


A hat stacking device comprising a flexible resilient wire frame substantially C-shaped for spreading apart to place the same around the crown of one hat, said frame comprising spaced upper and lower hat brim engaging parts connected at the ends thereof, the upper part having opposite pairs of hat brim rest portions offset outwardly of said part, and said upper part having inwardly and upwardly offset hat keeper portions for a hat the brim of which is engaged with said upper part, said inwardly and upwardly offset portions connecting the hat brim rest portions in each pair.

2,595,723
m-ALLYL-OXY-PHENYL-ISOTHIOCYANATE
Hans Spiegelberg and Gerald Rey-Bellet, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application October 25, 1950, Serial No. 192,151. In Switzerland December 8, 1949
1 Claim. (Cl. 260—454)

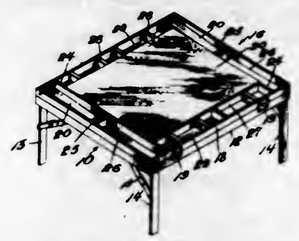
m-Allyloxy-phenyl-isothiocyanate.

2,595,724
LUGGAGE OR LIKE HANDLE OF REINFORCED AND CUSHIONED CONSTRUCTION
Leo Stein, Chicago, Ill.
Application June 4, 1947, Serial No. 752,422
7 Claims. (Cl. 190—57)



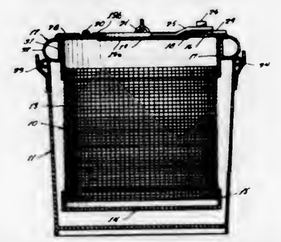
1. A handle for leather goods, luggage and the like, comprising a filler of generally U-shape in longitudinal contour and having outwardly turned longitudinal marginal portions defining a channel, a covering for said filler conforming to the contour thereof, a stiff rib conforming to the longitudinal contour of said filler, a cover fitting therearound and having its longitudinal margins pinched under and forming a longitudinal flange depending centrally from an under surface of said rib, said flange being disposed in said channel, and stitching extending between the marginal portions of said filler and through said flange to hold said filler and rib together.

2,595,725
TWO-SECTION FOLDABLE GAME TABLE
Kenneth E. Sutton, Greenwood, R. I.
Application March 23, 1949, Serial No. 83,090
3 Claims. (Cl. 311—89)



1. A game table comprising two rectangular sections of equal area having downwardly extending flanges, legs supporting the four corners of the first section, the second section being superimposed in inverted relation on said first section, hinge means connecting said sections along one edge at the top surface for swinging the second section through 180 degrees, a playing surface in the plane of the flanges of the second section with elongated recesses with their lengthwise axes extending along the edges at right angles to said hinge edge, legs secured to the corners of the second section distant from said hinge and beneath said surface and swingable about an axis parallel to the hinge from a position at right angles to the plane of said surface into said recesses whereby said second section may be swung from a position superimposed on the first section to a position in edge-to-edge relation and in extension of the first section and be supported by said hinge and said foldable legs.

2,595,726
MINNOW PAIL
Algott William Swanbeck, Tracy, Minn.
Application October 7, 1949, Serial No. 120,040
2 Claims. (Cl. 43—56)



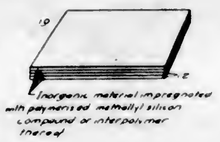
1. A live bait container comprising an upstanding hollow body open at the upper end thereof and having its side wall reticulated, a top wall provided with an opening, resting upon the open end of said body and secured to said body, said top wall having its bounding edge projecting beyond the side wall of said body, a float slidably receiving said hollow body and bearing against the projecting bounding edge of said top wall, and a plurality of spring clips positioned in spaced apart relation about the bounding edge of said top wall and each having one end secured to said top wall and having the other end depending below said top wall and embracingly holding said float against said projecting bounding edge.

2,595,727

ORGANOSILOXANES CONTAINING METHALLYL SILICON OXIDE GROUPS

Jack Swiss, McKeesport, and Clyde E. Arntzen, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 9, 1945, Serial No. 581,836
4 Claims. (Cl. 260—46.5)



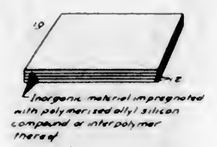
1. A composition of matter comprising a heat-treated monovalent hydrocarbon-substituted polysiloxane wherein the hydrocarbon radicals consist of methallyl and methyl radicals linked directly to the silicon atoms by carbon-to-silicon linkages and wherein no polysiloxane silicon atom is linked directly to both methallyl and methyl radicals by carbon-to-silicon linkages, the methallyl radicals being attached to from about 0.1% to 16% of the total number of silicon atoms, the remaining silicon atoms having not over 2 methyl groups attached to each, the ratio of hydrocarbon groups to silicon atoms being less than 2, the heat-treated polysiloxane being characterized by both siloxane linkages and cross-linkages through reaction between methallyl groups.

2,595,728

POLYSILOXANES CONTAINING ALLYL RADICALS

Jack Swiss, McKeesport, and Clyde E. Arntzen, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 9, 1945, Serial No. 581,837
4 Claims. (Cl. 260—46.5)



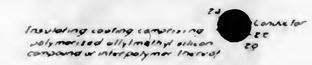
1. A composition of matter comprising a heat-treated monovalent hydrocarbon - substituted polysiloxane wherein the hydrocarbon radicals consist of allyl radicals and methyl radicals linked directly to the polysiloxane silicon atoms by carbon to silicon linkages and wherein no polysiloxane silicon atom is linked directly to both allyl and methyl radicals by such linkages, the allyl radicals comprising from 12.5 to 20% of the total number of silicon-bonded hydrocarbon radicals, the said polysiloxane containing an average of from 1.33 to 1.8 silicon-bonded hydrocarbon radicals per silicon atom, the heat-treated polysiloxane being characterized by both siloxane linkages and cross-linkages through reaction between the allyl groups.

2,595,729

ORGANOSILICON COMPOUNDS AND CONDUCTORS INSULATED THEREWITH

Jack Swiss, McKeesport, and Clyde E. Arntzen, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 9, 1945, Serial No. 581,838
4 Claims. (Cl. 174—120)



3. An insulated electrical conductor comprising, in combination, an electrical conductor and insulation applied thereto comprising a solid organosiloxane interpolymer comprising the heat-treated product of an organosiloxane interpolymer composed of between 0.1% and 10% by weight of allyl methyl siloxane units derived by hydrolyzing and condensing an organosilicon compound having the formula

$$(H_2C{=}CH{-}CH_2)_x(CH_3)_zSiY_{[4-(x+z)]}$$

where x and z each represent a number from 1 to 2, and the sum of x and z does not exceed 3, Y is a monovalent radical selected from the group consisting of chlorine and ethoxyl radicals, and the balance being organosiloxane units derived by hydrolyzing and condensing an organosilicon compound having the average formula

$$R_nSiY_{(4-n)}$$

where R is a monovalent radical selected from the group consisting of saturated alkyl and aryl radicals and n represents a number between 1 and 2, at least the condensation being effected while the two silicon compounds are intermixed, the solid interpolymer having both Si—O—Si linkages and cross-linkages derived through the allyl groups.

2,595,730

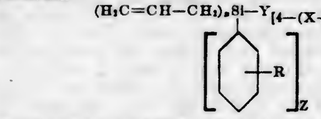
ORGANOSILOXANES CONTAINING ALLYL RADICALS AND HEAT-TREATED PRODUCTS

Jack Swiss, McKeesport, and Clyde E. Arntzen, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 9, 1945, Serial No. 581,839
7 Claims. (Cl. 260—46.5)



5. A solid composition comprising an organosiloxane interpolymer composed of between 0.1% and 10% by weight of allylaromaticsiloxane units derived by hydrolyzing and condensing an organosilicon compound having the formula



where R represents at least one monovalent radical selected from the group consisting of hydrogen, saturated alkyl, chlorine and fluorine

radicals, Y represents a monovalent hydrolyzable radical selected from the group consisting of chlorine and ethoxyl radicals, X and Z each represent a number from 1 to 2, the total of X and Z not exceeding 3, and the balance being an organosiloxane derived by hydrolyzing and condensing an organosilicon compound having the average formula

$$R_nSiY_{4-n}$$

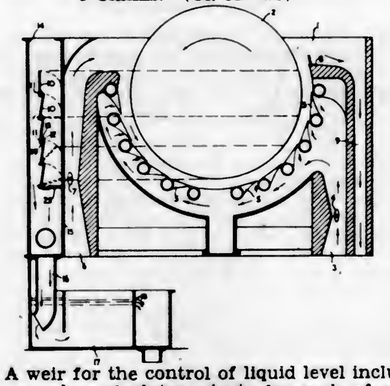
where R^1 represents a monovalent radical selected from the group consisting of saturated alkyl and aryl radicals, and n represents a number from 1 to 2, at least the condensation being effected while the two silicon compounds are intermixed and the condensed product being heated to provide for crosslinkages through the allyl groups.

2,595,731

LIQUID LEVEL CONTROL MEANS

John Temperley, Bury, England, assignor to Walmsleys (Bury) Limited, Bury, England, a British company

Application November 27, 1945, Serial No. 631,029
In Great Britain November 29, 1944
5 Claims. (Cl. 61—26)



1. A weir for the control of liquid level including a number of plates, pivots for each of said plates at the bottom edge thereof to enable each plate to be rotated about a horizontal axis, successive axes being spaced apart in a common vertical plane by a distance less than the height of the plate rotatable about the lower of said axes, so that said plates may assume an overlapping disposition, and part-cylindrical bosses of resilient material at the lower edge of each of said plates concentric with the axis of rotation of the respective plate, each plate being independently adjustable about its pivot.

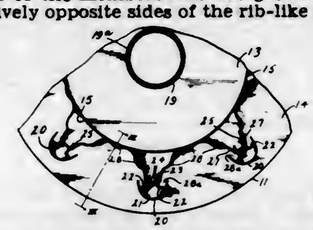
2,595,732

ORNAMENTAL LAMP SHADE PROVIDING A DISPLAY OF BLENDING COLORS

Melvin C. Thorstensen, Berwyn, Ill.

Application August 12, 1947, Serial No. 768,241
5 Claims. (Cl. 240—78)

2. In an ornamental lamp shade, a shade body to be disposed in concealing relation to a hidden light source, said body having a plurality of longitudinally extending parallel generally concave grooves of substantial width separated by longitudinally extending parallel rib-like outwardly projecting portions the sides of which merge into said grooves, each of said rib-like projecting portions having a longitudinal slot at the apex of projection therein for escape of light from said source, and a respective channel-shaped elongated reflector shield member mounted in concealing relation to each of said slots, said members having the edges thereof adjacent to and overlapping the respective opposite sides of the associated rib-like projecting portion but spaced laterally therefrom to afford respective inwardly opening slots for reflection of light from the inner surfaces of the members into the grooves at the respectively opposite sides of the rib-like projecting portions, each of said grooves having the surface thereof transversely corrugated to provide a series of longitudinally extending tranversely arcuate narrow ribs and valleys against the respectively opposite sides of which impinges the light reflected into said grooves from the reflecting surfaces of said members at the opposite sides of each groove, the reflecting surfaces of the members at the respectively opposite sides of each of the grooves having a different color so that a different color is reflected into said grooves from each opposite side thereof.



2,595,733

COATED ABRASIVE ARTICLE AND THE METHOD OF MAKING THE SAME

Frank J. Tone and Harry C. Martin, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Original application May 13, 1936, Serial No. 79,549. Divided and this application July 15, 1940, Serial No. 345,596
9 Claims. (Cl. 51—298)

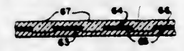
1. A coated abrasive article of the nature of sandpaper comprising a backing having a layer of grit bonded thereto by a tough, brittle, substantially inflexible bond consisting essentially of a heat-hardened substantially unplasticized phenol-aldehyde condensation product resin, the backing being substantially unpenetrated by and unmodified by the bond and the bond having the tensile strength, water-resistance and hardness characteristic of such resins when cured for a number of hours at a temperature of at least 250° F.

2,595,734

ORNAMENTAL WRINKLE FILMS

Harry A. Toulmin, Jr., Dayton, Ohio, assignor to New Wrinkle, Inc., Dayton, Ohio, a corporation of Delaware

Original application April 7, 1947, Serial No. 739,970. Divided and this application November 17, 1949, Serial No. 127,972
4 Claims. (Cl. 41—17)

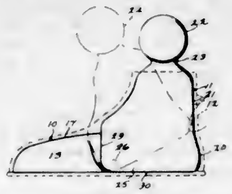


1. A plastic film characterized by a patterned inked background and wrinkles on its surface only at areas of said surface other than the area opposite said patterned background.

2,595,735
BASIC ESTERS OF 2,3-DI(4-ALKOXYPHENYL) - 2 - HYDROXYPROPANOIC ACID
Gino R. Treves, New York, N. Y., assignor to Schieffelin & Co., New York, N. Y., a corporation of New York
No Drawing. Application April 28, 1949, Serial No. 90,276
11 Claims. (Cl. 260—473)

1. A compound from the class consisting of dialkylamino alkyl esters of 2,3-di(4-alkoxyphenyl)-2-hydroxypropanoic acid having an alkyl group in at least one of the alkoxyphenyl rings and acid addition salts of the same, said alkyl groups and alkoxy group having from 1 to 6 carbon atoms.

2,595,736
LONGITUDINALLY ADJUSTABLE SHOE TREE
Frank C. Troutfetter, Manhattan, Kans.
Application November 16, 1949, Serial No. 127,704
5 Claims. (Cl. 12—128.6)



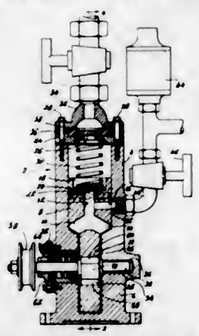
1. A shoe tree comprising a heel member and a toe member having longitudinally overlapping side wall portions, said side wall portions of said toe member each having a plurality of substantially horizontally aligned openings, said side wall portions of said heel member lying outwardly of said side wall portions of said toe member and being formed of material possessing a degree of resiliency whereby they may be flexed away from said side wall portions of said toe member, and inwardly projecting aligned pins carried by said wall portions of said heel member and selectively engageable in said openings to adjust the length of the shoe tree and to pivotally connect said members to each other, said heel member having an upper ankle portion provided with a forward wall, the lower edge of which terminates above said toe member whereby said heel member is free to swing upwardly and forwardly to a limited extent relative to said toe member.

2,595,737
JET PUMP
Robert Von Rotz, Manhasset, N. Y., assignor to The Dayton Pump & Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application September 24, 1949, Serial No. 117,547
8 Claims. (Cl. 103—260)

8. The combination in a jet pump of a supporting element, providing a flow passage, a venturi mounted in said element, and a jet nozzle mounted in said element so as to discharge into the inlet end of said venturi, said jet nozzle comprising an outer body part having its end adjacent the venturi formed with a relatively thin wall and tapering inwardly toward the venturi, a plurality of circumferentially spaced axially extending splits in said wall extending from the end thereof adjacent the venturi part-way down the length of said body part, and a resilient rubber-like sleeve member in said body part forming a jet passage, said sleeve member and the split end of said body part being expansible by pressure in the jet passage to vary the ratio between the jet opening area and the Venturi throat area.

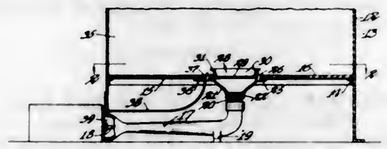


2,595,738
VALVED PISTON COMPRESSOR
Stanley F. Walker, Montgomery, Ala.
Application April 12, 1950, Serial No. 155,380
1 Claim. (Cl. 230—190)



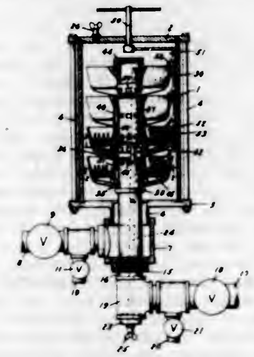
A device of the character described comprising a housing whose upper portion is cylindrical and has an opening in its lower wall section while the lower portion of the housing is shaped as a crankcase portion, a disk having an aperture in its center portion being secured to the upper end of the cylindrical portion of said housing, a piston of plastic material adapted to be reciprocated in said cylindrical portion having a perforation axially extended therethrough as well as a lateral bore extending from its periphery into said perforation, a first non-return-check valve at the top of said piston adapted for opening and closing said perforation, a second non-return-check valve provided at said perforated disk being adapted for closing the aperture in said disk whenever there is a vacuum within said cylindrical portion, a spring interposed between said disk and said piston adapted for forcing the latter away from the former and resting with its lower end upon said first non-return-check valve, a flattened portion secured to said piston and extending into said crankcase portion and having an oblong opening whose longitudinal axis is right angularly disposed to the axis of said piston, a shaft being rotatable in said crankcase portion, and a cam provided on said shaft adapted for engaging the side of said oblong opening in said flattened portion and being adapted to cause a reciprocating movement of said piston when the shaft revolves, said lateral bore in said piston being so located as to register with the opening in the lower section of the cylindrical portion of said housing when said piston is in its lowermost position, and that portion of said perforation which is adjacent said flattened portion being V-shaped and terminating at the lateral extremities of said piston adjacent said flattened portion.

2,595,739
GAS BURNER
Chester A. Weseman, Austin, Minn.
Application October 7, 1948, Serial No. 53,283
3 Claims. (Cl. 158—7)



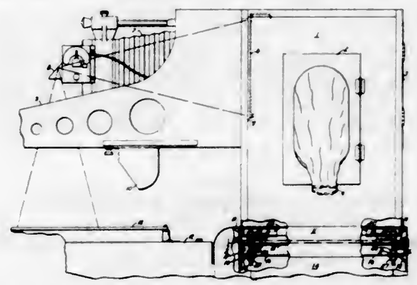
1. A gaseous fuel burner comprising an open topped bowl, means for supplying mixed primary combustion air and gaseous fuel to said bowl, a baffle and deflector member nesting within the upper portion of said bowl, spacers holding the lower portion of said member in spaced relation from the upper inner portion of said bowl to define an upwardly extending mixed fuel outlet at the inner upper portion of said bowl, said baffle and deflecting member having an outer surface projecting upwardly and outwardly from said mixed fuel outlet, and said baffle and deflecting member having in spaced relation above said outlet an outturned deflecting flange and a secondary air supply means surrounding said bowl and spaced outwardly beyond said mixed fuel outlet and located below said deflecting flange within the confines thereof and discharging upwardly below said flange.

2,595,740
FILTER
Robert D. Wiley, Birmingham, Mich.
Application September 1, 1949, Serial No. 113,568
2 Claims. (Cl. 210—143)



1. A filter comprising a casing, a vertically disposed stand pipe substantially centrally positioned in the casing, a plurality of bowl like receptacles in the casing, each having a hub like portion around the stand pipe, said receptacles being disposed one above the other so that each opens upwardly into the casing, the hub like portion of each receptacle having a clearance with respect to the stand pipe to provide a chamber, a foraminous partition in each receptacle positioned substantially horizontally and located above the bottom of the respective receptacle between its outer wall and the hub like portion, ports in each hub like portion positioned below the foraminous partition and communicating with said chamber, the stand pipe having groups of apertures therein with each group communicating with one of said chambers, with the group of apertures communicating with the chamber for the upper receptacle being substantially in alignment with the ports in the hub, and the groups of apertures in the stand pipe for the lower receptacles being progressively displaced axially from the ports in the hubs of the respective receptacles to accommodate for the difference in hydrostatic head, a loose body of divided shot like filtering material in each receptacle supported by the foraminous partitions, conduit means for introducing mixture to the casing, whereby the filtrate flows in a downward direction through the receptacles and then through the said ports, chambers and apertures in the stand pipe, conduit means connected to the stand pipe for conducting the filtrate therefrom, and other conduits including control valves for the introduction of a cleansing fluid into the stand pipe and for the discharge of the same from the casing whereby the flow thereof is in the reverse direction to the flow of mixture and filtrate through the stand pipe and casing.

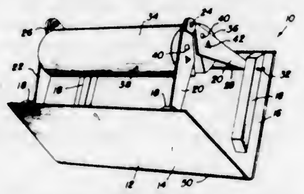
2,595,741
DOCUMENT-PHOTOGRAPHING CAMERA
Carl F. Wolters, New Canaan, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application January 31, 1950, Serial No. 141,449
2 Claims. (Cl. 88—24)



1. Document photographing apparatus of the class described comprising a camera unit including a dark box having front, back and side walls and top and bottom walls defining a substantially rectangular box-like structure, an opening in said front wall at the upper part thereof, means in said dark box registering with said opening for holding photo-sensitive sheet material substantially in a plane parallel with the front wall of said dark box, a bellows structure enclosing said opening and extending forwardly from said front wall on a fixed plane perpendicular thereto, means in at least one of said walls giving access to the sheet holding

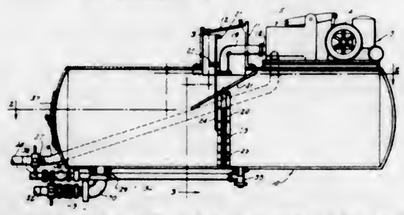
means through the interior of said dark box, a base, a copy supporting means mounted in parallel planar relation with said base for positioning a document to be copied in spaced relation below said bellows structure, optical means including reflector and lens means at the front end of said bellows structure for focusing the image of a document on the copy supporting surface of said copy supporting means onto photo-sensitive material in said sheet holding means, studs projecting downwardly from the bottom of said dark box, one near each corner thereof, screw-thread means on the projecting end of each of said studs, supporting means on said base, apertures in said support means receptive of projecting ends of said studs, and nut means threadably engaged on said studs cooperative with said supporting means for adjustably varying the plane of said dark box bottom wall to accurately center the optical axis of said lens means on said document supporting means in exact focal length relation therewith.

2,595,742
CORNER TROWEL
George H. Wood, Jr., Roanoke, Va.
Application June 28, 1948, Serial No. 35,543
4 Claims. (Cl. 72—136)



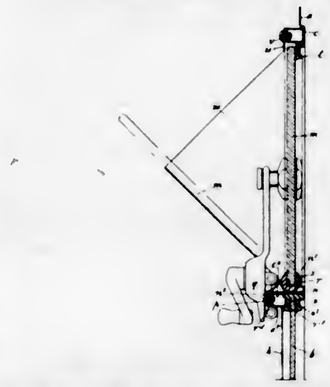
1. A corner trowel comprising a plate formed from resilient material and angulated to provide a pair of work-engaging blades normally disposed substantially at right angles to one another, pairs of links pivotally connected together at one end, the remaining ends of the links in each pair being pivotally attached to a different one of said blades at points spaced from the line of intersection of the blades, and a handle comprising a pair of complementary half-sections disposed adjacent each other, each of said half-sections being attached to one of the links of each pair of links whereby the angular relationship of said blades may be varied by actuation of said handle.

2,595,743
SANITARY CLEANING EQUIPMENT
Elton B. Young, Dillsburg, Pa.
Application November 29, 1946, Serial No. 713,059
3 Claims. (Cl. 137—21)



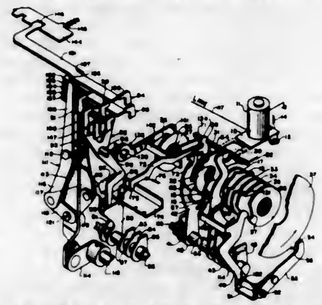
1. An apparatus for cleaning cesspools and the like comprising a horizontally disposed tank adapted to be mounted on a truck, a pump positioned upon said tank and secured thereto, a power plant disposed adjacent said tank and connected to said pump, an intake port on said pump adapted for connection with a hose, an outlet port on said pump, a vertically disposed partition plate positioned transversely of and within said tank intermediate the ends of the latter and supported on the bottom of said tank, the upper end of said partition plate terminating at a point spaced from the top of said tank, said partition plate dividing the tank into a pair of compartments, a conduit having one end connected to said outlet port and extending through the top of said tank, the other end of said conduit being directly above and spaced from the top of said partition plate, a transversely disposed baffle plate positioned adjacent the upper end of said partition plate and mounted in said tank for swinging movement about a horizontal axis, and valve means in said partition plate and adjacent the lower end thereof and actuable exteriorly of said tank for controlling the flow of fluid from one compartment to the other.

2,595,744
WINDOW FOR BUSES AND THE LIKE
William Young, Wishaw, Scotland
Application February 13, 1946, Serial No. 647,374
In Great Britain December 6, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1964
2 Claims. (Cl. 189—69)



1. A window unit for buses comprising a sheet metal panel having an opening corresponding in size to a window to be fitted therein, a frame of three sided section surrounding said opening, one side being secured to the panel so that the latter forms a marginal flange constituting one side of a surrounding channel and the interconnecting side of the frame forms the base thereof, both the first and the third side of the frame extending outwards from the base in planes parallel to that of the panel, two transverse members placed back to back and secured to the panel at their ends, the upper member having an upwardly turned outer flange and downwardly turned inner flange while the lower member is provided with downwardly turned inner and outer flanges, an upwardly extending flange removably secured to the two inner downwardly turned flanges, two further frames removably secured to the third side of the first frame and forming therewith the other side of said surrounding channel and window panes fitted in the channels formed by the panel, fixed frame, removable frames, transverse members and removable flange, the panel being such that it can be cut to suit openings of different sizes, within limits, provided in the body of the bus.

2,595,745
PRINTING TELEGRAPH SELECTOR
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 19, 1949, Serial No. 82,391
27 Claims. (Cl. 178—33)



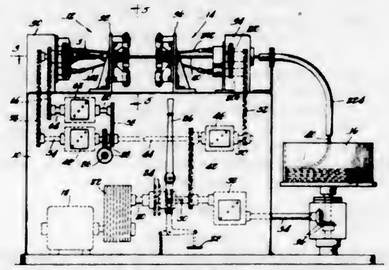
1. In a telegraph apparatus, mechanism comprising cyclically operable cam means to control selective operations, signal responsive means including an armature for controlling said mechanism, a pair of armature sensing means included in said mechanism and controlled by said cam means, a plurality of selectors included in said mechanism, means carried by one of said armature sensing means and adapted to span said selectors to govern said selectors, and means controlled by the other of said armature sensing means to control the cyclic operation of said mechanism.

2,595,746
SUPPORT FOR DISASSEMBLED SECTIONS OF FLY AND SIMILAR RODS
Herman R. Zinn, Rochelle Park, N. J.
Application October 29, 1947, Serial No. 782,739
4 Claims. (Cl. 211—68)



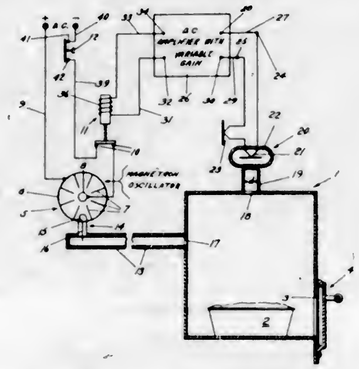
1. In a support for disassembled sections of a fly rod or the like, an elongated case open at its upper end, a cap encircling the upper open end of said case and closing the same, a cup-like member carried by said cap, a gripping member formed of yielding material fitted into said cup-like member, a spacing member between said gripping member and said cap formed to provide an annular intervening space between the two, a centering disk within said case spaced from said cup-like member, a tube extending through said cup-like member, said gripping member and said spacing member and secured to the latter, said tube being secured to said disk and being off center with respect to the axis of said case, said gripping member having notches opening to the periphery thereof and said cup-like member having openings through its bottom and peripheral wall permitting access to said notches, said notches having circular inner ends to receive the sections of the fly rod and suspend the same in a free manner and said centering disk having openings therein axially alined with the circular inner ends of said notches, the lower ends of said rod sections extending freely through the openings in said centering disk to allow said sections to assume true vertical positions, said centering disk being adjustable on said tube to bring the axis thereof in alinement with the axis of said gripping member and to position said openings axially with respect to the axis of the circular inner ends of said notches.

2,595,747
TUBEMAKING MACHINE
Raymond C. Andersen, Lombard, Ill., assignor to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois
Application May 16, 1947, Serial No. 748,635
6 Claims. (Cl. 113—35)



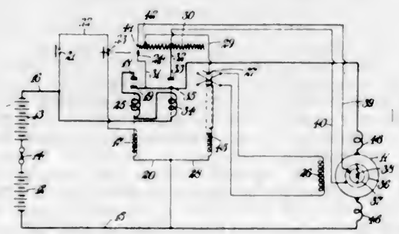
1. A tube making machine comprising a base frame, a tube forming arbor mounted on said frame, means for feeding an elongated tube strip onto said arbor, means for driving said arbor, tube forming mechanism for coiling the strip helically around the arbor with the juxtaposed strip edges secured together in tubing form, said mechanism including at least two sets of rolls mounted on said frame in predetermined spaced relation axially of the tubing and engageable with the outer periphery of the strip in its tubular form, a supporting member for each set of rolls and mounted on said frame, a supporting pintle member for each roll, bracket means carrying each supporting pintle member and mounted on said supporting member, a shiftable member carried by the bracket means and engageable with each pintle member and shiftable to effect rotation thereof about its longitudinal axis for adjusting the angular disposition of the roll supported thereby, means supported by said bracket means adjacent and cooperating with said pintle member to effect movement thereof along its longitudinal axis for adjusting the radial disposition of the roll carried thereby relative to the tubing, and power means for rotatably driving the rolls of both sets at a predetermined peripheral rate of speed thereby to effect the forming and power propulsion of the strip into tubular form.

2,595,748
HEATING APPARATUS
Glenn E. Andrews, Andover, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 14, 1947, Serial No. 734,568
1 Claim. (Cl. 219—47)



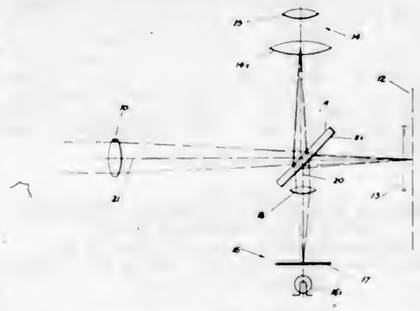
In combination, a metallic enclosure adapted to serve as an oven, an oscillator for supplying electromagnetic wave energy to the interior of said enclosure to heat a dielectric body positioned in said enclosure, a controllable circuit for energizing said oscillator from a power source, means for generating a thermal electromotive force, said means being exposed to the heat radiated from said body and being coupled to said oven in such a way that said means is isolated from said wave energy, and means for utilizing said electromotive force to control said circuit to de-energize said oscillator when said body reaches a predetermined temperature.

2,595,749
ELECTRIC MOTOR-DRIVEN INSTALLATION
Alfred Erwin Reginald Arnot, Isleworth, England, assignor to Emmanuel Kaye and John Reginald Sharp, Isleworth, England
Application September 8, 1947. Serial No. 772,651
In Great Britain September 13, 1946
7 Claims. (Cl. 192—.02)



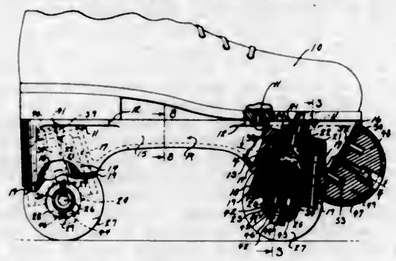
1. In an electric motor drive system for driving a driven element against a load thereon and having a motor, a motor circuit, a shunt field winding for said motor, and automatic regulating means including a variable resistance in series with said field winding adapted to be cut-in and cut-out of said field winding to vary the field strength of said winding and the speed of said motor to automatically increase the field strength of said winding at one predetermined motor armature current value to reduce the speed and increase the torque of the motor and automatically reduce the field strength at a lower predetermined armature current value to increase the speed of said motor, in combination, and electrically operated clutch between said motor and said driven element, and operator control means movable to various positions to control the operations of said clutch and the speed of said motor subject to said automatic regulating means, said positions being so related that movement of said control means to increase the speed of said motor is preceded by take-up of said load by said clutch and return movement of said control means to decrease the speed of said motor precedes disengagement of said clutch, said control means being operatively connected to said resistance to cut-in and cut-out said resistance responsive to movement of said control means, said clutch being arranged to take up said load before said resistance is cut in by said control means and being disengaged only after said resistance is cut out by said control means.

2,595,750
OPTICAL SYSTEM AND ILLUMINATED RETICLE FOR REFLEX CAMERAS
Frank G. Back, New York, N. Y.
Application February 3, 1951, Serial No. 209,248
2 Claims. (Cl. 95—42)



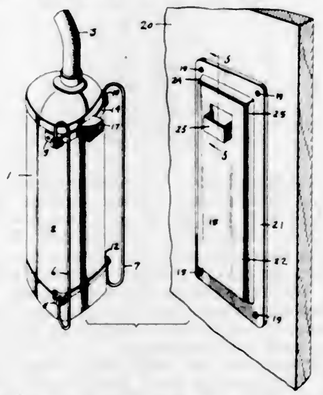
1. An optical device for cameras and the like, comprising in combination, a glass plate, said glass plate being located in the optical axis of a camera objective lens, said glass plate being suitably inclined, and one side thereof being coated with an antireflection coating, an eyepiece at right angles to the optical axis of said camera objective lens, said eyepiece consisting of a field lens and an eye lens, a reticle reproduction system at right angles to the axis of said camera objective lens and opposite said eyepiece, said reticle reproduction system consisting of a light source, a reticle and a reticle reproduction lens, wherein said glass plate is adapted to respectively transmit and reflect rays coming from the camera objective lens and rays originating in said light source of said reticle reproduction system, said glass plate being adapted to transmit the greater portion of said light rays coming from said camera objective lens upon a film rearward of said glass plate and in the image plane of said camera objective lens, and to reflect the lesser portion of said rays into the field lens of the eyepiece and to reflect the lesser portion of said light rays coming from said light source upon said film and transmit the greater portion thereof into the field lens of said eyepiece.

2,595,751
ROLLER SKATE
Edward Balstad, Milwaukee, Wis.
Application May 6, 1949, Serial No. 91,696
5 Claims. (Cl. 280—11.28)



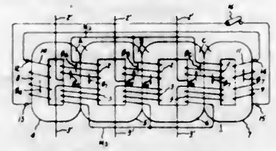
1. A roller skate comprising a foot plate, depending brackets carried by the foot plate having sockets, cushion blocks fitted in said sockets and extending below the brackets, said cushion blocks being tapered and said sockets having mating tapered walls whereby the blocks are wedged in said sockets, a barrel carried by the lower end of each cushion block, axles carried by the barrel and rollers on said axles.

2,595,752
VACUUM CLEANER SUPPORT
Charles Cecil Batts, Elizabeth City, Va.
Application March 12, 1948, Serial No. 14,459
2 Claims. (Cl. 248—224)



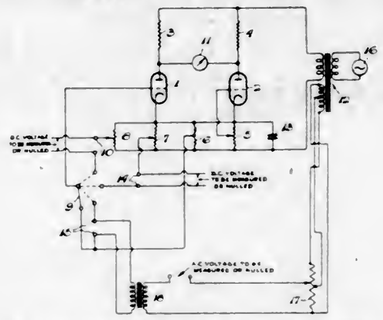
1. In a device of the character described the combination consisting of a vacuum cleaner having a tank and a pair of gliders secured to brackets on the basal portion thereof and being in spaced relation to each other, said tank having a supporting latch secured by certain of said brackets at one end thereof and a catch projecting therefrom, a supporting base plate having a platform comprising an upraised portion with parallel sides, said platform having means forming an integral socket protruding outwardly therefrom midway between the said parallel sides and near one end thereof, whereby, when the plate is mounted on a support the cleaner is adapted for engagement with said plate so that said catch will be received within the socket and the gliders of the cleaner will straddle the said parallel sides, and thereby be firmly supported by and easily detachable from the supporting base plate.

2,595,753
EQUALIZER WINDING FOR FIVE-LEGGED THREE-PHASE CORES
Kenneth D. Beardsley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 31, 1949, Serial No. 136,235
2 Claims. (Cl. 323—50)



1. In three-phase induction apparatus, a magnetic core of the five-legged type having three main center legs and a pair of auxiliary outside legs, main windings wound on said main legs and including primary and secondary windings connected in Y—Y relationship, said primary winding being connected to a three-phase alternating current source, and a pair of equalizer windings wound on said auxiliary legs and connected in series opposed relation with each other to reduce to a minimum neutral-shift in the fluxes in said main legs and in the voltages in said main windings.

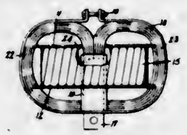
2,595,754
NULL VOLTAGE INDICATING CIRCUIT
Leslie Herbert Bedford, London, and John Bell and Eric Miles Langham, Teddington, England, assignors to A. C. Cossor Limited, London, England, a British company
Original application November 30, 1943, Serial No. 512,402. Divided and this application July 26, 1946, Serial No. 686,478. In Great Britain November 30, 1942
4 Claims. (Cl. 171—95)



1. A null voltage indicating circuit, comprising a pair of similar thermionic valves each containing at least an anode, a cathode and a grid and having similar anode loads, a direct current null indicating meter connected between the anodes of said valves, an alternating voltage source for exciting the anode circuit of said valves, a common cathode load for said valves connected in series with the cathodes and said alternating voltage source and comprising two resistance potentiometers connected in parallel with each other and a smoothing condenser in parallel with said potentiometers, means to connect the grid of one of said valves directly to a tapping on one of said potentiometers and means to inject the voltage to be nulled in series with the grid of the other of said valves and a tapping on the second of said potentiometers, said tapping on the sec-

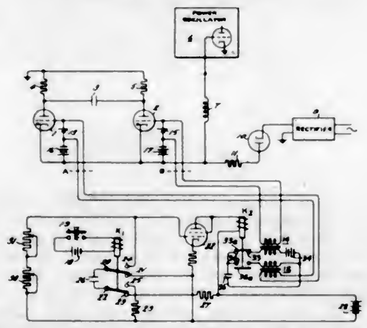
ond of said potentiometers being so selected that when said voltage is zero a null indication is obtained on said meter, said circuit being so constructed and arranged that when an alternating voltage is injected for nulling, a reversal of phase of said voltage produces a reversal of the current flow through said meter so as to give a sense indication.

2,595,755
ELECTROMAGNET
Alexander W. Bedford, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 24, 1949, Serial No. 94,965
2 Claims. (Cl. 175—338)



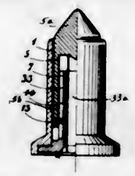
1. In a plunger-type electromagnet, a coil spool including a tubular coil form having an axial passageway therein and a pair of spaced-apart end shields fixed to said form, a coil of electric conducting wire wound upon said form between said end shields, and a magnetizable frame comprising a pair of C-shaped yokes of magnetizable material mounted upon said end shields in face-to-face relation in planes including the coil axis and having one pair of adjacent ends abutting the sides of said coil form at one end and the opposite pair of adjacent ends extending axially into the other end of said coil form in side-by-side relation.

2,595,756
CONTROL MEANS FOR HIGH-FREQUENCY POWER OSCILLATORS
Ralph J. Bondley, Scotia, and Harold W. Lord, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application August 9, 1950, Serial No. 178,534
2 Claims. (Cl. 250—36)



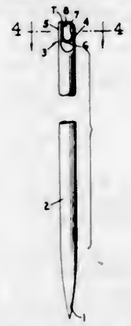
1. A control circuit for initiating and terminating oscillation of a high power oscillator comprising a first and second thyratron discharge device, a capacitor connected between the anodes of said thyratron devices, the anode of said first thyratron device being connected to ground through a relatively low resistance and the anode of said second thyratron device being connected to ground through a relatively high resistance, means negatively biasing the control grid of said thyratron devices, a source of negative potential connected to the cathodes of said thyratron devices and to the control grid of said oscillator, a relatively high resistance and a diode discharge device serially connected between said source of negative potential and said thyratron device cathodes, said diode device constituting a rectifier normally maintaining said oscillator grid bias at least as negative as said negative potential source, a source of positive potential connected to the grids of said thyratron devices, and electronic circuit means controlling said positive potential source to provide sequential voltage pulses on the control grids of said thyratrons alternately to fire said first thyratron device to provide a relatively low resistance path from said oscillator grid to ground whereby operation of said oscillator is initiated and to fire said second thyratron device and thereby quench said first thyratron device to provide a relatively high resistance path only from said oscillator grid to ground whereby operation of said oscillator is terminated.

2,595,757
FUSE
Edgar William Brandt, Geneva, Switzerland, assignor to Anstalt fur die Entwicklung von Erfindungen und Gewerblichen Anwendungen "Energa," Vaduz, Liechtenstein, a corporation of Liechtenstein
Application July 11, 1947, Serial No. 760,425
In Switzerland November 2, 1946
3 Claims. (Cl. 102—78)



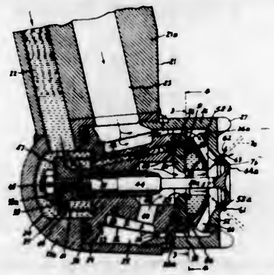
1. A mechanical safety delay device for a projectile fuze having a body with an aperture through which fire is to be transmitted as an incident of detonation, comprising two main co-acting parts, one of which parts is an ejectable obturator and the other part is a body projection having said aperture extending therethrough, said obturator part having the shape of a bell and being located when in safety position around said projection and covering the aperture and thereby preventing the transmission of fire, one of said main co-acting parts having at least one groove formed by two converging branches, the other of said co-acting parts having a sliding member adapted to run in said groove, one branch of said groove having a blind end for receiving the sliding member when in safety position and preventing forward movement of the said obturator part, said one branch having a zig-zag shape for co-acting with the sliding member during positive acceleration of the projectile and thereby effecting a slowing down of the inertial relative rearward movement of the obturator part by rotary oscillating movements imparted thereto, the converging point of said branches being axially aligned with the said other branch thereof so that a forward movement of the obturator part after the sliding member has come to the converging point will cause the sliding member to enter the said other branch, said other branch having an open end remote from said converging point whereby the sliding member is released by the groove during forward movement of the obturator part while the member is moving along said other branch, and therewith the obturator is ejected from its covering position, and an opposing member effective to maintain said obturator part normally in a safety position prior to the positive acceleration of the projectile.

2,595,758
NEEDLE
Charles E. Brown and Herbert M. Smith, Detroit, Mich.
Application July 23, 1948, Serial No. 40,346
5 Claims. (Cl. 223—102)



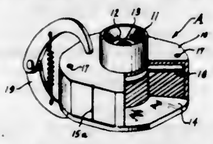
1. A needle comprising a body having a point at one end and an eye at the opposite end having laterally spaced side walls, one side wall having an extension in the form of a loop positioned between the side walls in substantially the plane of the eye, the free end of the loop throughout a portion of its length lying adjacent the inner surface of the said one side wall and providing a normally closed expansible passage through which a length of thread may be passed into the loop, the opposite side wall of the eye lying in juxtaposition to the adjacent side of the loop and providing an entrant passage through which a length of thread may be passed into the eye.

2,595,759
ATOMIZING NOZZLE FOR SPRAYING VISCOUS LIQUIDS
Bruce O. Buckland, Schenectady, and Donald C. Berkey, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application November 30, 1948, Serial No. 62,634
4 Claims. (Cl. 299—114)



1. In a liquid spray nozzle of the type employing an auxiliary gas to facilitate atomization, the combination of a nozzle body having walls defining a vortex whirl chamber with a first central circular discharge orifice, walls defining passages for supplying liquid at high tangential velocities to the outer circumferential portion of the whirl chamber whereby liquid is discharged from said orifice with a spray pattern in the form of a hollow cone, walls defining a second discharge orifice of substantially larger diameter than and coaxial with the first and spaced axially forward therefrom, the second orifice surrounding the normal spray pattern from the first orifice and defining a restricted annular passage therewith, a central pintle supported on the nozzle body and having an end disk member disposed within the spray pattern, the circumference of said disk forming a restricted annular passage with the inner surface of the normal spray cone pattern, said second discharge orifice and pintle end disk defining an annular gas and liquid discharge orifice spaced axially forward and radially outward from said first orifice, and walls defining passages for supplying an atomizing gas under pressure to both the inside and the outside of the spray cone pattern so that a conical sheet of atomizing gas flows through said annular orifice on both sides of the spray cone.

2,595,760
METHOD OF MOUNTING LENSES
Albert Butler, Toronto, Ontario, Canada, assignor to Imperial Optical Company, Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application September 2, 1949, Serial No. 113,708
3 Claims. (Cl. 51—284)



1. A method for mounting and demounting lenses on a lens chuck, the said lens chuck having a cupped body with machined edges to abut with the surfaces of lenses applied thereto, the said chuck further having a quantity of pitch that is solid at room temperature within its cupped body, comprising the steps of placing a lens over the machined edges of the said cupped body, clamping said lens over the machined edges of the said cupped body, heating said chuck and lens with said chuck overlying said lens to melt said pitch, cooling said lens chuck and pitch to room temperature while maintaining said chuck above said lens whereby to cause said pitch to solidify against said lens and retain said lens against the edges of said cupped body, said lens at this stage of the process being mounted on said lens holder, cooling said lens and said chuck below room temperature to cause said pitch to contract and release said lens from said chuck, said lens at this stage of the process being demounted from said lens chuck, the foregoing steps being repeated with different lenses on the same chuck and without removing the pitch therefrom.

2,595,761
CRANKSHAFT
John P. Butterfield, Grosse Pointe Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 24, 1948, Serial No. 16,646
2 Claims. (Cl. 74—597)

2. A built-up crankshaft comprising a pair of adjacent, connected crankshaft sections each sec-

tion being formed as an integral unit and including an axially extending journal portion, a connecting portion projecting from an end of the journal portion and extending substantially transversely thereof, and an axially extending, crank portion projecting from the outwardly extending end of the connecting portion and offset from said journal portion, the crank portions of the connected crankshaft sections being arranged with the exposed ends thereof in aligned, contacting relationship, said crank portions each having an axially extending opening therethrough provided with internally formed threads, the threads in the openings of adjacent contact-



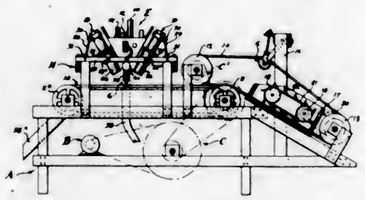
ing crank portions being of opposite hands, and the exposed ends of adjacent crank portions each including axially extending, engaged, mating teeth, and an externally threaded crank portion joining member mounted wholly within and extending through the axially extended openings in the contacting crank portions having threaded portions of opposite hands engaged with the internally threaded openings of the adjacent crank portions to connect the sections of the crankshaft in aligned rigidly assembled relationship, said joining member including integrally formed, recessed means to facilitate rotation of the joining member.

2,595,762

CONVEYER FEEDING DEVICE

John Brodhead Caldwell, Albert Abraham Ginsberg, and Stewart William Wolf, Toronto, Ontario, Canada

Application August 13, 1947, Serial No. 768,418
4 Claims. (Cl. 198—29)



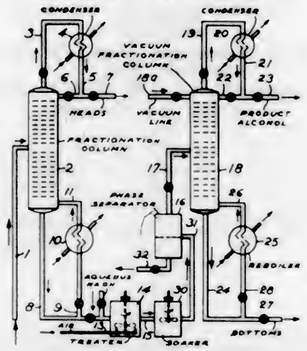
4. In automatic sorting apparatus for sorting beans and like articles which includes a frame and a drive motor; a conveyor belt driven by said motor, a continuous feed belt having a plurality of orifices in spaced apart relation therealong and having an under loop and an over loop, the under loop of said feed belt engaging the surfaces of said conveyor belt and overlying a portion of the latter, a hopper being designed for passage of the lower loop of the feed belt therethrough and being adapted to receive a plurality of said articles, and means within said hopper operatively connected to said drive motor for forcing said articles into the orifices of said feed belt, said conveyor belt and said feed belt being driven by said motor.

2,595,763

TREATMENT OF OXO ALCOHOLS BY CAUSTIC AND AIR

Carl S. Carlson and William E. Catterall, Roselle, and John H. Staib, Scotch Plains, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 31, 1949, Serial No. 136,282
3 Claims. (Cl. 260—638)



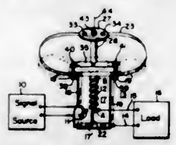
1. A process for the purification of a topped, primary, water-immiscible alcohol having from 4 to 20 carbon atoms, to be used for the esterification of organic acids, and produced by the oxo reaction followed by hydrogenation, giving a product containing sulfur impurities which cause undesirable colored impurities during subsequent esterification which comprises the steps of subjecting said topped alcohol to a liquid phase contacting with an aqueous caustic solution of from 10 to 50 wt. per cent concentration, the volume of aqueous caustic being in the range of from 0.5 to 50 volume per cent based on the alcohol being treated; simultaneously aerating the alcohol by saturating with air, at temperatures of from 30°–100° C., for a period of time of from one to twenty-four hours; permitting the mixture to stratify into a lower aqueous layer containing the sulfur-containing impurities converted to water-soluble products and an upper alcohol layer; separating the thus treated alcohol from the aqueous layer and distilling the thus treated alcohol.

2,595,764

HIGH-FREQUENCY RESONANT CIRCUIT

Arvid E. Chelgren, Elmhurst, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Application February 28, 1950, Serial No. 146,845
8 Claims. (Cl. 250—40)



1. A high-frequency resonant circuit continuously tunable over a frequency range comprising: a supporting frame of conductive material; a plurality of turns of a flat conductive ribbon defining a cylindrical coil having a wall thickness corresponding to the thickness of said ribbon, having one end portion mechanically connected to said frame for supporting said coil, and having an opposite end portion which is spaced from said frame by a distance at least equal to one-

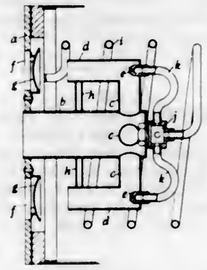
half of the diameter of said coil; a cylindrical tuning element of conductive material supported by said frame in coaxial alignment with said coil for movement into and out of said opposite end thereof to constitute therewith a variable condenser; and a stop element mechanically connected to said frame and disposed for engagement by said tuning element to limit the movement of said tuning element into said coil to a distance not exceeding approximately 30 per cent of the axial length of said coil.

2,595,765

LIQUID FUEL BURNER

John Stanley Clarke, Blacko, near Nelson, Albert Edward Clarke, Brierfield, Burnley, and Noel Parker Coupe, Burnley, England, assignors to Joseph Lucas Limited, Birmingham, England

Application December 27, 1949, Serial No. 135,081
In Great Britain January 1, 1949
3 Claims. (Cl. 60—39.65)



1. A liquid fuel burner, comprising the combination of a base plate having a plurality of apertures therein, a central air tube secured to and extending from one of the apertures in the said plate, a plurality of primary combustion tubes arranged around and parallel with the central air tube, radial air tubes connecting the central air tube to the primary combustion tubes, fuel injection nozzles at the ends of the primary combustion tubes remote from the base plate, and air baffles arranged between the other apertures in the base plate and the ends of the primary combustion tubes adjacent to the base plate.

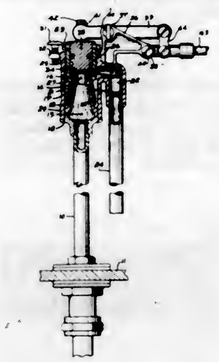
2,595,766

BALL COCK VALVE

Herbert D. Clemmons, Cheshire, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application February 23, 1950, Serial No. 145,842
2 Claims. (Cl. 137—104)

1. A ball cock comprising in combination a valve casing having a chamber and an interiorly threaded portion at its upper end, a nozzle having means for connection to the usual riser supply pipe and projecting upwardly into said chamber and terminating in a valve seat a substantial distance above the bottom of said chamber, said nozzle member having an exterior conical surface extending uninterruptedly from said valve seat to the bottom of the chamber, a regulating sleeve threaded into the upper part of said chamber and having at its lower end a skirt with an interior conical surface surrounding and complemental to the conical surface of said nozzle and being spaced therefrom depending upon the longitudinal adjustment of said regulator for varying the rate of flow through the conical annulus between said conical surfaces, which annulus gradually increases in size from closely adjacent said valve seat to a point closely adjacent the bottom of said chamber, the length of said conical annulus being



substantially greater than its diameter at the entrance end adjacent the valve seat to quiet the flow of water over and away from said valve seat, and a plunger valve within said regulator sleeve for coaction with said valve seat.

2,595,767

SYNTHESIS OF PHENYLCHLOROSILANES

Jerome T. Coe, Schenectady, and William A. Schwenker, Alplaus, N. Y., assignors to General Electric Company, a corporation of New York

No Drawing. Application August 10, 1950, Serial No. 178,760
10 Claims. (Cl. 260—448.2)

1. The method which comprises effecting reaction at an elevated temperature between silicon and a mixture of ingredients comprising an aryl halide, a hydrogen halide, and a preformed aromatic hydrocarbon corresponding to the aryl radical of the aryl halide.

2,595,768

PHOTOGRAPHIC COLOR CORRECTION

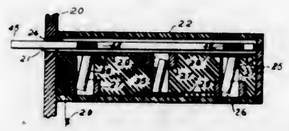
Ronald Bernard Collins, Douglas James Fry, and Oliver Edmund Pratt, Ilford, England, assignors to Ilford Limited, Ilford, England, a British Company

No Drawing. Application August 31, 1949, Serial No. 113,476. In Great Britain September 7, 1948
7 Claims. (Cl. 95—2)

1. A process for the production of a colour-corrected photographic record which comprises subjecting a photographic material which contains in at least one layer; a substantive colour-former which has in the position at which the said colour-former couples on colour development an acid grouping selected from carboxylic and sulphonic acid groups and also contains a record dye image obtained by such coupling development, the said dye image undesirably absorbing to some extent light of wavelengths which it is desired that it should transmit, to treatment with a basic dye, thereby forming with the residual colour-former in the said layer an image of opposite sign to the said record dye image, the said image of opposite sign being in a complex of such residual colour-former and said basic dye, the hue and intensity of such image of op-

posite sign being such that it absorbs light of at least some of the wavelengths which the record dye image undesirably absorbs, so that the absorption of such wavelengths is substantially uniform over the whole layer, and transmits more freely than the record dye image in the remaining wavelengths.

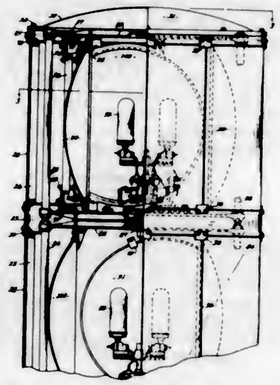
2,595,769
MAGNET OPERATED SWITCH
Hal Cooley, Portland, Oreg., assignor to Maurice J. Noregaard, Portland, Oreg.
Application July 5, 1947, Serial No. 759,049
16 Claims. (Cl. 200—87)



8. An electric switch comprising a housing, in said housing a core having a plurality of transverse perforations therethrough, freely movable permanent magnets having an off center projection on one end thereof disposed one in each of said perforations, a plurality of electrical contacts connected in series with each other and with a source of electrical energy, said electrical contacts being disposed so as to form at least one normally open contact unit comprising a perforation having one of said contacts across the top portion thereof, another of said contacts encircling the bottom portion thereof, and a magnet resting therebetween with the projection adjacent but not touching said one of said contacts; and to form at least one normally closed contact unit comprising a perforation having one of said contacts across the bottom portion thereof, another of said contacts encircling the top portion thereof, and a magnet resting therebetween with the projection touching said one of said elongated contacts and interconnecting it with said another contact; and to operate said switch a key having thereon pieces of magnetic material arranged in a pattern corresponding to the pattern of the said normally open contact units, said key being adapted to be inserted into said housing so that said pieces are within the fields of force of the magnets in said normally open contact units, thereby causing them to touch their respective contacts and close the electric circuit.

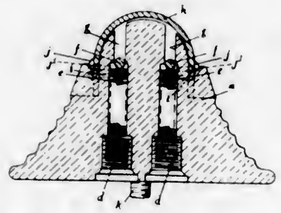
2,595,770
ROTATING BEACON HAVING INDEPENDENTLY ADJUSTABLE LIGHT UNITS RETRACTABLY MOUNTED FOR SERVICING
Royal E. Crossley, Fayetteville, and Harlow M. Pattat, North Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application May 5, 1948, Serial No. 25,118
4 Claims. (Cl. 240—49)

2. A beacon structure including an open bottom casing formed with transparent side walls, a support positioned below said casing, a carriage mounted on said support, a lighting unit mounted on said carriage, a second lighting unit superimposed on said first unit and being adjustable about a vertical axis relative to said first unit, said carriage being movable vertically on said support to move said lighting units into and out of said casing, and means carried by



the carriage and operable to effect rotation of said units in synchronism.

2,595,771
ELECTRIC FIXTURE FOR ELONGATED TUBULAR LAMPS
Thomas Curzon, London, England, assignor to C. A. V. Limited, London, England
Application December 2, 1947, Serial No. 789,314
In Great Britain October 18, 1946
1 Claim. (Cl. 240—51.11)

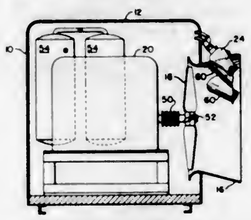


Means for supporting a tubular electric lamp of the gas-discharge type having terminals at its ends with one side of the lamp exposed, comprising in combination a fitting made of light-transmitting material, and having formed in it a lamp-receiving trough which is open at the front of the fitting, the rear of the fitting being of greater over-all width than the front of the fitting so that the latter can serve to reflect internally, as well as transmit, light from the part of the lamp enclosed by the trough, electric current supply terminals and contacts for said terminals in the ends of the fitting, and means for enabling the fitting to be secured in a service position.

2,595,772
METHOD OF PREPARING CATALYSTS
Russell L. Daussat and Clellie T. Steele, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 8, 1949, Serial No. 131,896
8 Claims. (Cl. 252—439)

1. In the process for preparing a catalyst of mixed sulfides of an element of the left subgroup of group VI of the periodic system and of a metal of the iron group by treating an aqueous solution of a salt of a thioacid of said element with a salt of said metal so as to precipitate the sulfides of said element and of said metal followed by a separation of the precipitate, wherein the said thioacid salt solution contains sulfide ions in an amount at least equivalent to said metal, the improvement which comprises adding as said metal salt a salt the anion of which forms with the cation of said thioacid salt a compound which decomposes completely into volatile constituents upon heating in aqueous solution to temperatures in excess of about 100° C., maintaining said aqueous solution non-acidic during said addition, heating said solution above 100° C. to evaporate therefrom all constituents except said precipitate and recovering said precipitate as product catalyst.

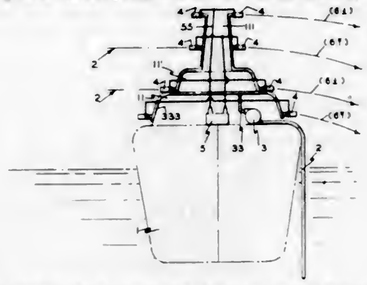
2,595,773
ORCHARD HEATER
Ray B. Davis, Newton Center, Mass., assignor, by mesne assignments, to Davco Incorporated, Boston, Mass., a corporation of Massachusetts
Application February 23, 1949, Serial No. 77,737
2 Claims. (Cl. 47—2)



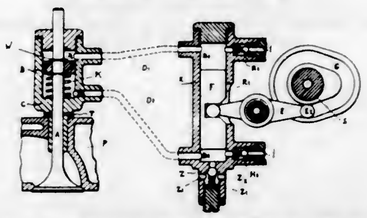
2. An orchard heater comprising a propeller fan, means for driving the fan, a shroud ring in close peripheral relation to the fan and extending forwardly thereof, fuel burning means mounted forwardly of said fan in the path of the air stream therefrom, said fuel burning means comprising generally cylindrical combustion chambers having nozzles therein and means for initiating combustion within said chambers, the chambers projecting inwardly through said shroud ring at an angle oblique to the discharge axis of the fan, and individual shielding means embracing the combustion chambers in spaced relation on the upstream side thereof for diverting the direct blast of air of the propeller fan from the outer wall of the combustion chambers, said shielding means adjacent the shroud ring being wider than the combustion chamber, and tapering to a termination inwardly of the innermost portion of said chamber.

2,595,774
PROTECTION OF STRUCTURES FROM NOXIOUS ATMOSPHERES
Jack De Ment, Portland, Oreg.
Application January 2, 1948, Serial No. 300
8 Claims. (Cl. 175—265)

1. In the protective envelopment of a structure against atmospherically borne noxious agent the method which comprises removing liquid water from a non-noxious source thereof, distributing the said water to rain-forming means mounted in alternating disposition substantially at the surface of the said structure, projecting the water outwardly and freely away from the surface and shaping the water into a plurality of separated, outwardly-moving umbrelliform rain layers, and during the said projection communicating electrical charges of opposite sign to adjacent layers of rain.



2,595,775
HYDRAULIC VALVE OPERATING SYSTEM
Serge de Wrangell, Paris, France
Application July 26, 1947, Serial No. 763,820
In France July 31, 1946
3 Claims. (Cl. 123—90)



1. In a hydraulic valve operating system the combination with a valve seat and a valve movable relative thereto, a hydraulically actuated cylinder-piston motor operatively connected to said valve, an actuating cylinder-piston motor, two liquid conduits connecting the opposite areas of the actuating piston with the opposite areas of the actuated piston whereby movement of the actuating piston in one direction will positively open and movement in the other direction positively close said valve, means for constantly compensating leakages during operation, spring means adapted to close said valve when the volume of liquid in one of said conduits decreases below a predetermined value, and relief means adapted to prevent excess liquid pressure in the other conduit when said valve has been closed by said spring means.

2,595,776
THROWAWAY NECK DUSTER FOR INDIVIDUAL CUSTOMER USE
Warren E. Downey, Baltimore, Md.
Application August 29, 1949, Serial No. 112,910
1 Claim. (Cl. 15—226)

A throw-away neck duster for individual customer use in barber shops and the like and comprising a flat piece of cardboard marginally stamped out to provide an elongated handle and a relatively wide rectangular adapter head at one end of said handle, and a paper-stock duster, said duster being a rectangular blank of soft, water repellent paper, said blank being longitudinally and centrally folded upon itself into duplicate opposed halves and said folded halves being then transversely and centrally folded intermediate their respective ends and upon themselves into quarter components, which are, in turn, wrapped

around said adapter head and stapled thereto, corresponding edge portions of said components

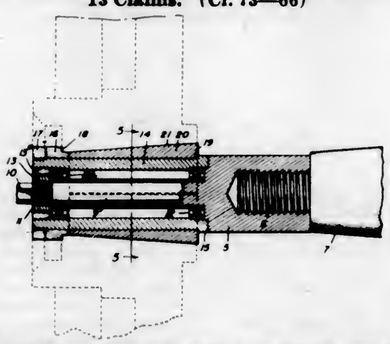


projecting well beyond an adjacent marginal edge of said adapter head and all being slitted and defining a multiplicity of dusting ribbons.

2,595,777

DEVICE FOR FACILITATING THE BALANCING AND TESTING THE BALANCE OF GRINDING WHEELS

John F. Driver, Fort Wayne, Ind.
Application January 5, 1949, Serial No. 69,304
13 Claims. (Cl. 73—66)



1. The combination with a grinding machine shaft, of a stud shaft removably carried at the end of the first named shaft and onto which a grinding wheel is axially movable from its position on the first named shaft, said stud shaft including relatively stationary and revoluble parts on the latter of which the grinding wheel is rotatably supported.

2,595,778

FABRIC WEAVING WITH GROUPS OF ELASTIC AND RELATIVELY INELASTIC WARPS

Maxwell E. Duckoff, Manchester, N. H.
Application September 8, 1950, Serial No. 183,831
3 Claims. (Cl. 28—72.5)



1. The improvement in the art of weaving, comprising first assembling groups of warp threads having different elastic characteristics in each group, then winding both groups on the same reel, spool, beam, or the like under differing tensions for each group, and thereafter completing the weaving operation, unwinding said groups during weaving, with all the unwinding tension for both groups on the group having the lesser elastic characteristics.

2,595,779

COPOLYMERS OF HALOGENATED UNSATURATED POLYCARBOXYLIC ACIDS AND POLYUNSATURATED COMPOUNDS

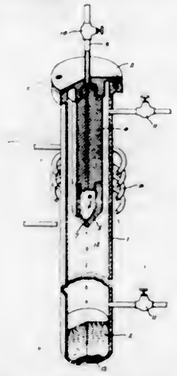
James R. Dudley, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 3, 1948, Serial No. 18,855
2 Claims. (Cl. 260—78.5)

1. A granular, water-insoluble, cation exchange resin active for the removal of cations from solution, said resin being a copolymer of a mixture consisting of, as sole polymerizable ingredients, (1) chloromaleic anhydride and (2) N,N'-methylenediacrylamide, the molar ratio of (1) to (2) being from 1:1 to 20:1.

2,595,780

METHOD OF PRODUCING GERMANIUM PELLETS

William C. Dunlap, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 23, 1949, Serial No. 134,761
2 Claims. (Cl. 18—47.3)



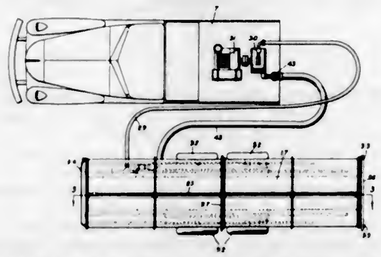
1. The method of producing germanium pellets, which method comprises placing a germanium ingot within a crucible having a small hole at the bottom, passing under predetermined pressure a gas chemically inactive to germanium around the ingot and through the crucible hole, and then heating the germanium ingot above its melting point while it is subjected to the influence of the encompassing gas to form molten droplets of germanium blown out of the hole by the force of said gas while the germanium is melting.

2,595,781

PORTABLE LIVESTOCK OR CATTLE SPRAY

Lynn D. Durham, Midland, Tex.
Application August 1, 1947, Serial No. 765,333
2 Claims. (Cl. 119—159)

1. A mobile cattle spraying chute comprising a relatively flat narrow elongated rectangular pan, a floor closing the top of said pan, said floor having a longitudinal row of longitudinally spaced vertical openings extending therethrough, upwardly extending diverging side walls carried by the floor adjacent opposite side edges of the floor, said side walls having vertically spaced horizontal rows of longitudinally spaced horizontal openings therein, a top carried by the side walls, said top having a longitudinal row of longitudinally spaced vertical openings therein, a horizontal spray pipe carried by the floor within said pan, a horizontal spray pipe carried by the top above the upper side thereof, vertical spray nozzles connected to the spray pipes and extending through the openings in the floor and in the top, horizontal spray pipes carried by the side walls on the outer sides thereof, horizontal spray

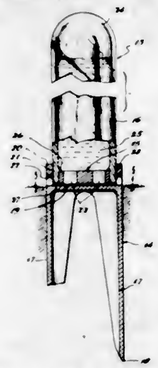


nozzles connected to the last mentioned spray pipes and extending through the openings in the side walls, a manifold encircling said floor, side walls and top and extending transversely through said pan substantially midway between opposite ends of the chute and connected to the spray pipes to feed spray liquid thereto, a filtering unit mounted on the pan at one side thereof, said filtering unit being connected to the pan to receive spray liquid therefrom, means connected to the filtering unit to extract filtered liquid therefrom, said means being connected to the manifold to direct liquid extracted from the filtering unit into the spray pipes and through the spray nozzles onto an animal within the chute.

2,595,782

PLANT MEDIUM WATERING DEVICE

Max Epstein, Milliston, Wis.
Application May 10, 1949, Serial No. 92,416
1 Claim. (Cl. 47—48.5)

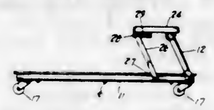


A device for watering a growing medium over an extended period of time comprising a base member having a plurality of elongate tines on one end thereof adapted removably to be inserted into said medium and an imperforate platform on the other end, an upstanding annular ring surrounding said platform, a cylindrical water reservoir removably mounted within said ring and having its upper end closed off and its lower end open, an annular ridge on said reservoir spaced above said open end, a perforated circular plug member inserted completely into said open end engaging against said ridge, the perforations being of a size to prevent substantial loss of water, said reservoir being movable vertically to permit adjustment of the height of said open end above the platform, said ring having passageways enabling water passing from the reservoir through the plug to flow from the interior of the ring onto said growing medium.

2,595,783

REPAIRMAN'S CREEPER

John W. Griffin, Cleveland, Ohio, assignor to Richard Luntz, Shaker Heights, and Sanford S. Lazarus, North Canton, Ohio
Application July 10, 1947, Serial No. 760,046
4 Claims. (Cl. 280—61.5)



2. In a creeper, a U-shaped main frame, a U-shaped head frame, a load support member secured to said main frame, a support pad secured to said head frame, said support pad on said head frame being pivotally engaged therewith, said main frame having extension sections formed thereon that are open on their upper surfaces only, pin means pivotally securing the ends of said head frame to the extension sections of said main frame spaced from the extremities thereof, said extension sections being adapted to support said head frame extending from said main frame in substantially the plane thereof, a pair of support arms pivotally secured to said main frame, and a pair of guides having slots formed therein secured to said support pad of said head frame at the portion thereof immediately adjacent said main frame when said head frame is extended therefrom and substantially in the plane of the main frame, said support arms being engaged with the slots in said guides for limiting the movement of said support pad on said head frame and to aid in supporting same above said main frame.

2,595,784

REPAIRMAN'S CREEPER

John W. Griffin, Cleveland, and Sanford S. Lazarus, Canton, Ohio; said Griffin assignor to Richard Luntz, Shaker Heights, Ohio
Application September 15, 1949, Serial No. 115,878
2 Claims. (Cl. 280—61.5)



1. In a creeper, a frame, first support means for supporting said frame, a head rest, a pair of support arms pivotally engaged adjacent one end thereof with each side of said frame adjacent an

end thereof for movement to and from a position extending from one end of said frame, said support arms being pivotally secured at their other ends to corresponding sides of said head rest, each pair of said arms defining a vertical plane, and a fixedly positioned stop member positioned forwardly of both members of each pair of arms and extending laterally from said frame for automatically limiting movement of at least one arm of said pairs of arms inwardly of said frame after such arm has moved inwardly beyond its vertical dead center position, at least one of said arms having a downwardly extending support portion thereon for engaging the support for the creeper and at least partially taking the load off of said first support means to lock the creeper in a given position when said arms are engaged with said stop, the support portion of said arm extending downwardly farther of said frame than said first support means when said arm bears against said stop member.

2,595,785

TOPPED OXO ALCOHOL TREATMENT BY CAUSTIC AND AIR

Cecil H. Hale, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 8, 1949, Serial No. 120,423
3 Claims. (Cl. 260—638)

1. In the synthesis of water-immiscible alcohols having from 6 to 14 carbon atoms in a two-stage operation consisting of a first stage in which hydrogen, carbon monoxide and an olefin are contacted in the presence of an oxygenation catalyst forming a product predominantly aldehyde and of a second stage in which the said aldehyde is catalytically reduced with hydrogen to form the corresponding alcohol containing ester color producing impurities including aldehydes and acetals, and which is later subjected to distillation as a purification technique, the improvement consisting of extracting in the liquid phase the crude water-immiscible alcohol product at least once prior to distillation with an aqueous caustic solution of from 1% to 25% concentration at temperatures above 150° F. and simultaneously aerating the alcohol, thereafter permitting the mixture to stratify into a lower aqueous layer and an upper alcohol layer, separating the thus purified alcohol from the aqueous layer, washing the alcohol free of caustic, and subjecting the said alcohol to continuous distillation to give purified alcohol product, relatively free of ester color forming impurities, including aldehydes and acetals.

2,595,786

TREATMENT OF TOPPED OXO ALCOHOL WITH MOLECULAR OXYGEN AND CAUSTIC

Cecil H. Hale and Charles E. Starr, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 1, 1950, Serial No. 165,608
9 Claims. (Cl. 202—57)

1. A process for the treatment of a water-immiscible primary, C_4 to C_{20} alcohol containing sulfur impurities produced by the Oxo process and from which components more volatile than the alcohol have been removed, which comprises the liquid-phase intimate contacting of the topped Oxo alcohol at temperatures of 100°–250° C. with an excess of molecular oxygen at superatmospheric pressures and with an aqueous caustic solution of from 10 to 50 weight per cent concentration at least once prior to distillation, whereby undesirable impurities, particularly those of the sulfur-containing class, are rendered substantially harmless as color-producing bodies in subsequent reactions of the alcohol.

2,595,787

RETAINING RING ASSEMBLY

Heinrich Heimann, New York, N. Y., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y., a corporation of New York

Application March 12, 1947, Serial No. 734,277
9 Claims. (Cl. 287—53)



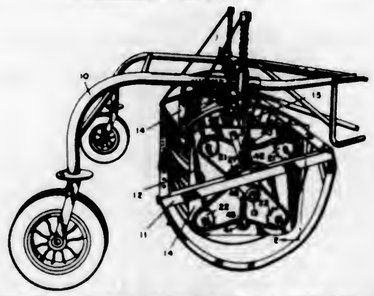
1. A retaining ring adapted upon assembly in a seating groove provided therefor in a carrying part to provide an artificial shoulder for securing a machine part against axial displacement on the carrying part, said ring being made of soft metal and adapted to be assembled in its groove by deformation in the plastic range and having progressively decreasing section height from its middle portion to its free ends whereby it maintains circularity when deformed, the diameter of the ring being initially such that it may be mounted on said carrying part without any preliminary deformation, the free ends of the ring being formed as apertured lugs, and the groove seating edge portion of the ring being inclined to the plane of the ring body.

2,595,788

SIDE RAKE PITCH CONTROL MEANS

George B. Hill, New Holland, Pa., assignor to New Holland Machine Division of The Sperry Corporation, New York, N. Y., a corporation of Delaware

Application January 5, 1950, Serial No. 136,900
2 Claims. (Cl. 56—377)



1. A side delivery rake having a rotating reel with two pairs of raking bars for supporting the raking teeth, said bars being rotatably carried in means that are in turn rotatably supported on an axle bearing fixed to the frame of the machine, and having means for controlling the pitch of said raking teeth through control of the rotative movement of said raking bars, consisting of pairs of alligned sprocket wheels fixedly mounted at the ends of each of said pairs of raking bars, and each of said pairs of alligned sprocket wheels being off-set with respect to each other, a pair of relatively stationary sprocket wheels supported generally concentrically with respect to said axle bearing, one of each of said last mentioned sprocket wheels being disposed in allignment with one of each of said pairs of alligned sprocket wheels respectively, and individual sprocket chains trained over each of the sets of alligned sprocket wheels, each set including the alligned sprocket wheels on a pair of raking bars and the respective alligned relatively stationary sprocket wheel.

2,595,789

DIESEL FUEL

James B. Hinkamp, Detroit, and Roy Sugimoto, Royal Oak, Mich., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 28, 1950, Serial No. 176,542
8 Claims. (Cl. 44—57)

1. An improved diesel fuel containing a minor proportion of a lower saturated aliphatic nitramine in an amount sufficient to decrease the ignition delay period of the fuel.

2,595,790

ART AND APPARATUS FOR PLEATING DRAPES

Sylvia M. Holcomb, Tacoma, Wash.

Application April 5, 1949, Serial No. 85,546
7 Claims. (Cl. 223—30)



1. The art of preparing drape fabric for pleating, comprising securing the corners of the end of the fabric at a predetermined distance apart less than the fabric width; supporting the intervening edge of the fabric on uniformly distributed supports; uniformly and simultaneously pressing downward on the fabric on each side of said supports to take up the slack therein and to form uniform loops in the fabric at said supports; and marking the fabric at each side of the throats of said loops under said supports.

4. An article of the class described comprising a base member; a series of uniformly distributed supporting flanges extending upward from said base member and overhanging their connection with said base member and adapted to loosely support the edge of the fabric to be pleated; a presser member comprising a single separate body having a series of flat fingers integral therewith and correspondingly spaced with said flanges and extending between said flanges and adapted to be pressed downward simultaneously on the fabric on each side of said flanges, to form loops in the fabric at each support.

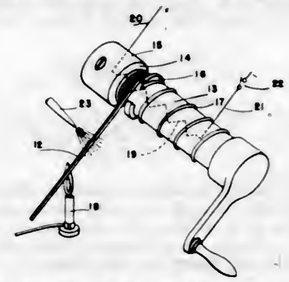
2,595,791

TRANSDUCER

Frederick V. Hunt, Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy

Application April 5, 1946, Serial No. 659,714
4 Claims. (Cl. 171—209)

1. A magnetostrictive transducer comprising a winding, and a hollow cylindrical core formed of a ribbon of magnetostrictive material wound edgewise in a helix, said ribbon having a thin edge width, said core having a wall thickness approximately equal to the edge width of said



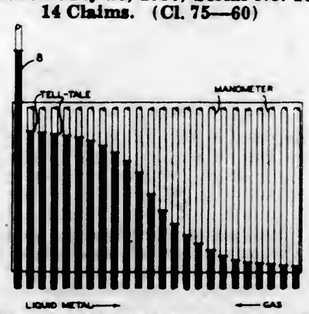
ribbon, whereby the said transducer has a relatively flat response over a wide frequency range.

2,595,792

METHOD OF OBSERVING AND CONTROLLING THE PROCESS OF A CONTINUOUS BESSEMER PROCESS

James Fernando Jordan, Huntington Park, Calif.

Application May 26, 1950, Serial No. 164,454
14 Claims. (Cl. 75—60)



2. In the process wherein a stream of molten iron containing carbon is decarburized within a refractory trough with the aid of a series of air jets which are spread out along the stream of metal within said trough, the method of controlling said process, which comprises: withdrawing gas arising from said process directly out of said trough as a stream of gas whose carbon content at a location within said trough reflects the carbon content of said stream of metal at said location within said trough; and maintaining the carbon content of said stream of gas at a substantial-fixed level at said location within said trough by selectively increasing or decreasing the amount of molten iron containing carbon being introduced into said stream of metal within said trough.

2,595,793

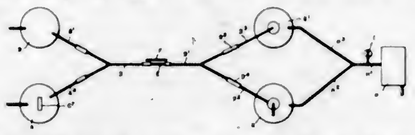
METHOD AND APPARATUS FOR PRODUCING VACCINES

William W. Kay, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

Application October 27, 1947, Serial No. 782,428
6 Claims. (Cl. 250—45)

1. In a method of irradiating vaccines wherein a vaccine flows at relatively high velocity in a thin film past a source of ultraviolet radiation; the steps of propelling a sterile preliminary liquid of a viscosity similar to that of the vaccine to flow in a film past said source by means of differential gaseous pressure, determining the

rate of flow of said liquid in said film, adjusting the pressure differential to obtain a predetermined rate of flow, discontinuing the flow of said liquid and causing the vaccine to flow under the



same differential pressure whereby the rate of flow of vaccine in said film will be substantially equal to the rate of flow of said liquid, and exposing the vaccine to ultraviolet radiation from said source as it flows in said film.

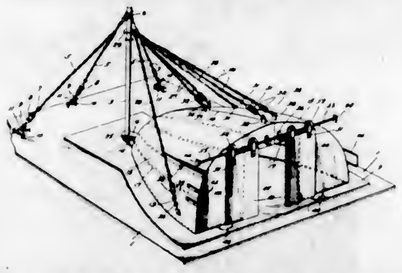
2,595,794

INDIVIDUAL AIRPLANE HANGAR

Hugo F. Keller, Oneida, N. Y.

Application April 4, 1947, Serial No. 739,287

1 Claim. (Cl. 189—1.5)



In an individual airplane hangar, a platform, a pole standing upright on said platform, guy wires attached to said pole and supporting the same, shell-shaped complimentary enclosing members pivoted to swing on said pole as a fulcrum said shell-shaped complementary enclosing members of approximately the size of said platform, each of said shell-shaped members comprising a frame work of braces covered by a suitable material, overlapping extensions attached to each of said shell-shaped members and pivoted to said pole, whereby to allow said shell members to swing from said pole as a fulcrum, wires connecting said pole with said shell members for holding the same in suspended position when off said platform, said shell members, when located on the platform, being supported by the pivotal engagement of said extensions with the pole at the rear and by wheels at the front, a door opening formed in said shell members, and rails mounted on said shell members, rollers mounted to travel on said rails, hangars attached to said rollers and said doors attached to said hangars, whereby said doors can move relative to each other to close said opening.

2,595,795

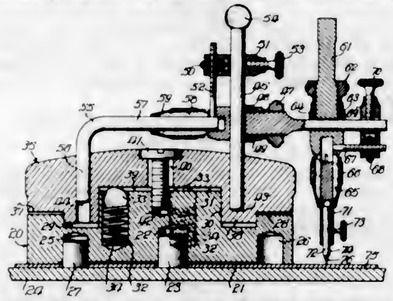
SPIRAL AND ECCENTRIC GROOVE CUTTER FOR PHONOGRAPH RECORDS AND THE LIKE

Frank Julius Kovach, Chicago, Ill., assignor to Rondo Records, Inc., Chicago, Ill., a corporation of Illinois

Application April 13, 1949, Serial No. 87,252

7 Claims. (Cl. 33—27)

7. Mechanism for placing spiral and/or eccentric cut-off grooves in a record having a center spindle and a drive lug extending therethrough, comprising: a first member having a bottom surface adapted to abut said record, a second member rotatable relative to said first member about an axis perpendicular to said bottom surface, said first member having a first opening therein eccentric of said axis of rotation and engageable with said center spindle, said first member also having a plurality of other openings in said bottom surface spaced equally from said first



opening, adjacent openings of said other openings subtending equal arcs about said first opening as a center, whereby said first member is alternately drivably engageable with said record drive lug in a plurality of different positions, an arm carried by said second member and secured against turning relative to said second member, a tool holding member carried by said arm and positioned eccentrically of said axis of rotation, and means for adjusting the eccentricity of said tool holding member.

2,595,796

COMPOSITIONS CONTAINING POLYVINYL ACETATE AND ALKYL-SUBSTITUTED UREA

Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts

No Drawing. Application April 6, 1950, Serial No. 154,431

7 Claims. (Cl. 260—29.6)

4. A composition comprising polyvinyl acetate, a plasticizer for said acetate, and from 4–50% by weight of said acetate of a water soluble unsymmetrical alkyl substituted urea having from 5 to 9 carbon atoms, each carbon atom chain therein having less than 5 carbon atoms.

2,595,797

PROCESS OF PRODUCING AQUEOUS DISPERSIONS OF RUBBERLIKE PLASTICS

George F. Leyonmark, Avenel, and Erving Arundale, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 11, 1949, Serial No. 98,628

5 Claims. (Cl. 260—29.6)

1. A process of producing aqueous dispersion of highly polymerized organic substances which comprises dispersing in water under greater than atmospheric pressure at a temperature between 70° and 100° F. a solution of the polymer in a water insoluble, volatile, organic solvent, boiling below 100° F. in the presence of 2%–6% of a surface-active agent and releasing the pressure to vaporize organic solvent while maintaining the temperature between 70° and 100° F.

2,595,798

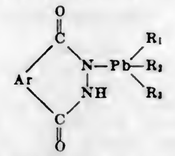
N-ORGANOLEAD-2,3-DIHYDROPHTHALAZINE-1,4-DIONES

Waldo B. Ligett, Berkley, Rex D. Closson, Detroit, and Calvin N. Wolf, Ferndale, Mich., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 28, 1950, Serial No. 192,807

4 Claims. (Cl. 260—242)

1. As new compositions of matter, N-organolead-2,3-dihydrophthalazine - 1,4 - diones having the following general formula:



wherein R_1, R_2 and R_3 are hydrocarbon groups selected from the class consisting of phenyl groups and alkyl groups, and Ar is an o-phenylene radical.

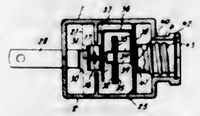
2,595,799

SWITCH-SOCKET STRUCTURE

Louis Ludwig, Brooklyn, N. Y.

Application September 29, 1949, Serial No. 118,589

5 Claims. (Cl. 200—51.17)



1. A switch-socket structure comprising a split housing having a narrow open neck at one end thereof and a pair of slots at the other end, a threaded metal shell open at both ends held in said neck and adapted to receive a lamp at its outer end, a prong extending into said housing through one of said slots and secured to said shell, an insulating disk having a central slit adjacent the inner end of said shell, a spring metal strip having one end passed through said slit and lying against said disk and adapted to contact the center of the base of said lamp, a second prong extending through the other slot and having an angular inner portion, the other end of said strip being U-shaped and embracing said angular portion, a switch rod extending into the side of said housing, a knob on the outer end of said rod, an operating can on said rod adjacent to one leg of said U, a plurality of projections in said housing on both sides of said rod for maintaining said rod in operative position, said cam adapted to cause contact between said strip and angular prong portion, recesses in both parts of said housing and said angular portion fitting tightly into said recesses for holding said parts together.

2,595,800

COMPOSITE BACKING FOR MIRRORS

Leslie D. McGraw, Charles L. Faust, and Ernest R. Mueller, Columbus, Ohio, assignors, by mesne assignments, to Ohio Plate Glass Company, Toledo, Ohio, a corporation of Ohio

Application May 25, 1950, Serial No. 164,057

7 Claims. (Cl. 88—105)

1. An article of manufacture, comprising light-permeable material, a light-reflecting back surface layer on said light-permeable material, a coating of a metallic oxide selected from the group consisting of the oxides of aluminum, lead, thallium, tin, and zinc on the back surface of said



layer, and an outer, organic-base coating, disposed on the back surface of said oxide coating, and having the following composition:

	Parts by weight
Zinc oxide	from 13 to 33
Barytes	from 16 to 40.5
Talc	from 3.0 to 15.5
Titanium dioxide	from 6.0 to 11.0
Styrene butadiene co-polymer	from 25 to 32

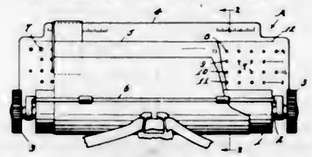
2,595,801

MEANS FOR APPLYING A BOTTOM MARGIN INDICATING MARK TO A PAPER SHEET IN A TYPEWRITING MACHINE

Malcolm McKellar, Toronto, Ontario, Canada

Application May 29, 1950, Serial No. 165,055

3 Claims. (Cl. 197—189)



1. In a typewriting machine, the combination of a rotatable platen, a paper table over which a sheet of paper is adapted to be passed to said platen, the said table being provided with a datum line parallel with and spaced from said platen, and a plurality of projections from said table adapted to lie behind said sheet of paper in its passage to said platen, said projections lying between said datum line and said platen and being spaced from said datum line and from one another lengthwise of the path of travel of the sheet of paper to said platen for selective pressure engagement by said sheet at a point distanced from the end edge of the sheet last entering the machine corresponding to the distance between the selected projection and the datum line when the said edge of the sheet is in correspondence with said datum line, whereby to produce a protuberance on the face of the sheet at a distance from the end thereof corresponding to the required bottom margin.

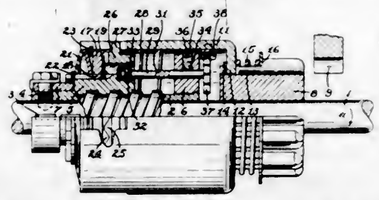
2,595,802

ENGINE STARTER GEARING

Donald L. Miller, Horseheads, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware

Application September 29, 1950, Serial No. 187,586

8 Claims. (Cl. 74—7)



1. In an engine starter drive a power shaft, a pinion slidably journalled thereon for longitu-

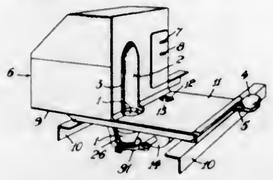
dinal movement into and out of mesh with a gear of the engine to be started, a hollow screw shaft fixed on the power shaft, a control nut threaded on the screw shaft, means for actuating the pinion from the control nut including a driving clutch member splined on the control nut, a barrel member non-rotatably connected to the pinion, a driven clutch member non-rotatably mounted in the barrel, a stop for the driven clutch member and the control nut, defining the operative position of the control nut and pinion, and a yielding abutment for the driving clutch member on the control nut.

2,595,803

PHOTOELECTRIC WEIGHING MECHANISM

Desmond Walter Molins and Cyril Best, Deptford, London, England, and Edward Anthony Chandler, Montreal, Quebec, Canada, assignors to Molins Machine Company Limited, London, England, a British company

Application July 19, 1949, Serial No. 105,632
In Great Britain July 22, 1948
9 Claims. (Cl. 265—58)



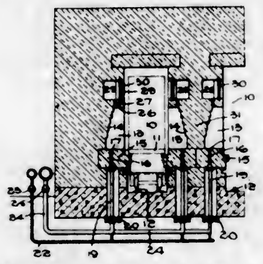
1. Weighing mechanism having a scale pan into which the substance to be weighed is placed by an operator, a weighbeam supporting said pan, a mirror on the weightbeam, a light sensitive cell, a fixed light source comprising means to form a line of light and direct it on to said mirror and thence to said light sensitive cell, mechanism operating in timed cycles adapted, in response to a signal by an operator, and during a predetermined part of each such cycle, to discharge a loaded scale pan, so that the pan is discharged at a predetermined time in said cycle, and means controlled by the light cell to prevent such discharge unless the pan contains at least the desired weight.

2,595,804

KILN FOR CERAMIC WARE

Bernard Joseph Moore, Stoke-on-Trent, England

Application March 28, 1950, Serial No. 152,360
In Great Britain April 8, 1949
11 Claims. (Cl. 25—142)



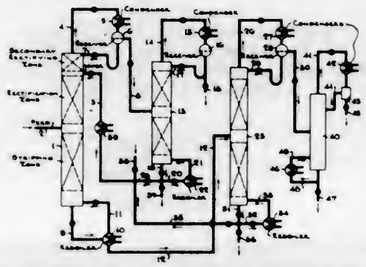
1. A fluid fuel fired tunnel kiln for ceramic ware comprising a tunnel through which the goods to be fired are taken, the tunnel having spaced cavities in its sides defined by a cavity floor and a back, sides and roof, each of said cavity floors having an opening extending through it, and burner tubes arranged with their discharge ends disposed in the floor openings, each of said cavities having a port extending upwardly through its roof, said kiln having an upper longitudinal flue for the products of combustion disposed over each row of cavities said ports communicating with said upper longitudinal flue, the side of said flue next the tunnel being separated from the interior of the tunnel by partitions formed by heat conducting tiles, said flue leading to an outlet for the exhaust gases.

2,595,805

EXTRACTIVE DISTILLATION OF CLOSE-BOILING ALCOHOLS HAVING PARTIAL IMMISCIBILITY WITH WATER

Charles E. Morrell, Westfield, N. J., Nat C. Robertson, Corpus Christi, Tex., and Carl S. Carlson, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application November 4, 1947, Serial No. 783,990
4 Claims. (Cl. 202—39.5)



1. A process for separating a mixture consisting essentially of at least one normal C_3 to C_4 alkanol (A) and at least one branched C_3 to C_5 alkanol (B), the aqueous boiling points of the normal and branched alkanols differing by less than 5° C. which comprises introducing a mixture of said normal and branched alkanols to a fractional distillation zone at an intermediate point thereof, introducing sufficient water to the fractional distillation zone at a point substantially above the alkanol mixture feed point to maintain an internal liquid aqueous reflux having a water content in the range of 85 to 99 mol percent below the point of addition of the water, applying heat to the fractional distillation zone whereby vapors of the alkanols together with water vapor ascend through the fractional distillation zone in countercurrent contact with the internal aqueous liquid reflux, removing overhead from the fractional distillation zone a vaporous mixture comprising alkanol (B) substantially free from alkanol (A), and removing from a bottom portion of the fractional distillation zone a water solution of substantially pure alkanol (A).

2,595,806

ROPE FITTING

Edward L. Morris, Lees Summit, Mo., assignor to Edith Morris, Lees Summit, Mo.

Application April 6, 1949, Serial No. 85,871
1 Claim. (Cl. 24—129)

A rope fitting adapted to be secured on a flexible rope comprising, an elongated body member having a transverse aperture therethrough adjacent one end, said body member having an axial aperture extending therein and opening from the other end of the body member, a longitudinal groove opening from the side of the body and communicating with the axial aperture in spaced relation to said other end, said groove being in alignment with the transverse aperture and extending thereacross to said one end, diametrically opposed grooves in the body member intersecting said transverse aperture and extending to the adjacent end of the body member, an encircling groove of lesser depth than the longitudinal groove and intersecting said longitudinal groove between the transverse aperture and adjacent end of the axial aperture, said encircling groove intersecting the longitudinal groove substantially at right angles and terminating in an inclined portion sloping toward the transverse aperture, terminals of the encircling groove being on the opposite side of the body member to the longitudinal groove, whereby the end of the rope can be passed through the axial aperture arranged in the longitudinal groove, passed through the transverse groove, around the end of the body adjacent the transverse aperture and back through the transverse aperture, looped about the body in the encircling groove with the end of the rope passed under the intermediate portion of said rope at the terminus of the encircling groove, said portion of the rope looped about the body being engaged with and overlying the portion in the longitudinal groove for snubbing the rope in said longitudinal groove.

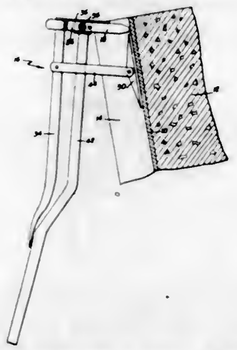


2,595,807

FORM DISJOINTER

Charles E. Morris, Phoenix, Ariz., assignor of one-half to F. W. Schammel, Phoenix, Ariz., and one-half to Lyle S. Spencer, Watertown, S. Dak.

Application May 19, 1950, Serial No. 162,927
6 Claims. (Cl. 254—24)



1. A tool comprising a pair of opposed jaw members, cam surfaces on said jaw members, a working lever, rollers rotatably mounted on said working lever engaging said cam surfaces on said jaw members, means continuously urging said jaw members into engagement with said rollers, a second lever pivotally attached to said jaw members, a pair of leg members rigidly secured to said second lever, said leg members being pivotally attached to said working lever, and fulcrum stands pivotally attached to said leg members.

2,595,808

METHOD FOR USE IN THE PRESERVATION OF EGGS

Albert Napper, Woodlands, Southland, New Zealand

No Drawing. Application October 4, 1949, Serial No. 119,565. In New Zealand November 2, 1948
2 Claims. (Cl. 99—170)

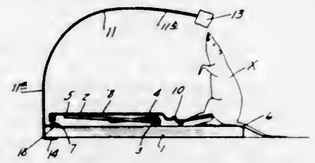
1. A method of preserving eggs comprising subjecting the eggs, while submerged in a fluid, to the action of a vacuum to exhaust the air from the eggs and then subjecting the eggs to the action of air pressure to cause the shells of the eggs to be impregnated by the said fluid and their surfaces to be coated with a sealing film, the said impregnating and sealing fluid comprising an aqueous fluid containing from three to ten per cent of a caseinate selected from the group consisting of calcium caseinate and sodium caseinate and precipitated calcium carbonate in suspension.

2,595,809

ATTACHMENT FOR ANIMAL TRAPS

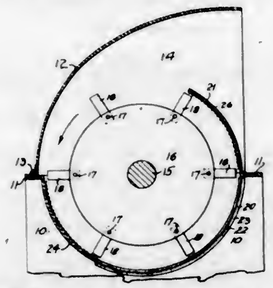
Walter T. Oxley, Fergus Falls, Minn.

Application June 10, 1950, Serial No. 167,275
1 Claim. (Cl. 43—77)



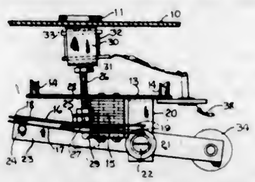
An attachment for animal traps of the type comprising a baseboard, a U-shaped striker jaw horizontally pivoted at one end to the intermediate portion of said baseboard, spring means yieldingly biasing the striker jaw toward an uncocked position in engagement with said baseboard adjacent one end thereof, an eye-forming member adjacent the opposite end of said baseboard, a trigger bar pivoted at one end to the eye-forming member and adapted to overlie the striker jaw when the striker jaw is moved to its cocked position against the bias of said spring means, and a trigger located in the area defined by the striker jaw when said trigger is in its uncocked position, said trigger adapted to releasably engage the free end of said trigger bar, said attachment comprising a bait hook having its upper end adapted to overlie the trigger, said bait hook being formed from a single length of wire and being formed at its lower end to provide a horizontally-disposed U-shaped supporting foot adapted to underlie said baseboard, and a vertically-disposed U-shaped clamping element the upper portion of which is adapted to frictionally engage the upper surface of said baseboard immediately above said foot, the extreme lower end of said bait hook being bent backwardly upon itself to provide a laterally-opening recess adapted to receive therein said eye-forming member whereby to positively limit movements of said bait hook in three directions.

2,595,810
HAMMER-MILL BED PLATE AND TEETH THEREFOR
Willis M. Perry, Adelaide, Wash.
Application June 30, 1947, Serial No. 757,969
1 Claim. (Cl. 241—189)



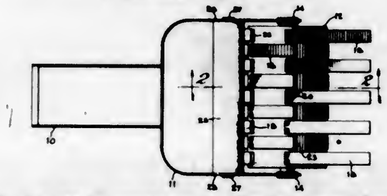
In a wood-flour hammer mill, the combination with a frame having side plates, a rotor journalled therein, and a series of hammers freely swinging thereon, in combination with a curved bed plate removably held in circumferential grooves in said side plates, and concentric with said rotor, and extending across said mill; a series of dove-tail grooves in and across the concave side of said bed plate, the front side of said grooves making an angle of from 5° to 15° to the radius from the center of said rotor, in a forward direction in relation to the direction of motion of said hammers, the rear side of said grooves making an angle of approximately 24° to the same radius and in the same direction, the base of said grooves being at right angles to said rear sides, the inner face of said curved plate adjacent said grooves making an angle of approximately 110° with the same radius and in the same direction; and a series of teeth mounted in said grooves and extending therefrom, each tooth fitting said grooves and based on the base thereof, and having a front face fitting the front face of said groove and extending inwardly coplanarly therefrom, a rear face at right angles to said base and fitting the rear face of said grooves, and an inner coplanar surface extending from said rear face to said front face and being an extension of said inner face of said bed plate, thereby forming a sharp cutting corner to said tooth of approximately 60°.

2,595,811
ELECTRIC SWITCH FOR GAMES
Duane W. Price, Chicago, Ill.
Application August 19, 1949, Serial No. 111,217
2 Claims. (Cl. 200—52)



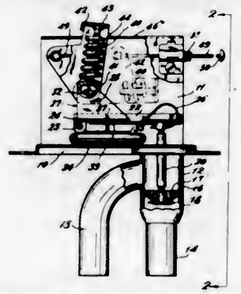
1. A structure of the class described comprising a mounting plate, a supporting arm carried by the plate and extending downwardly therefrom, a switch structure carried by the mounting plate and comprising normally spaced apart switch leaves, an actuating arm pivotally connected to the supporting arm and adapted for clockwise movement about the supporting arm, a member carried at one end of said actuating arm beneath the outer end portion of the switch leaves and adapted to engage one of said leaves to flex the same into contact with the other of the switch leaves upon clockwise movement of said actuating arm, an electromagnetic coil above the mounting plate, and means providing a supporting connection between the coil and the actuating arm, said coil adapted to be moved by attraction of a paramagnetic object in a direction to pivot said arm into switch closing position.

2,595,812
CLOD CRUSHER
Rutherford R. Quillen, Cincinnati, Ohio
Application March 14, 1950, Serial No. 149,601
6 Claims. (Cl. 55—1)



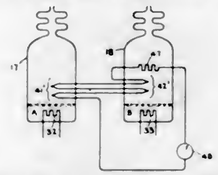
1. An earth working implement comprising, a cylindrical member adapted to be rolled over the ground, a spring metal strip carried by the cylindrical member, said strip having one end affixed to the cylindrical member with the major portion of the strip extending substantially tangentially therefrom in the direction opposite the rotative motion of the cylindrical member when it is being rolled, and means effective when the cylinder is being rolled for flexing said strip toward the cylindrical member as the affixed end of said strip approaches the ground, said means releasing the strip after said affixed end contacts the ground.

2,595,813
ADJUSTABLE CONTROL MECHANISM
Eldon D. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application January 14, 1950, Serial No. 138,540
1 Claim. (Cl. 74—469)



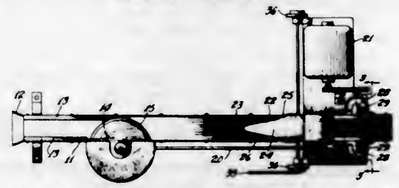
In a control mechanism, a base plate, a control device on said base plate, a housing attached to said base plate and including two opposed side walls, a lever carried between said side walls and having a portion extending generally parallel with said base plate and connected with said control device, pivot means supported by said side walls and pivotally supporting said lever, a pressure responsive expansible element on said base plate engaging said portion of said lever at a point intermediate said pivot means and the part of said lever connected to said control device, said lever having an arm extending laterally thereof adjacent to the pivoted part, a U-shape member pivoted between said side walls, pivot means for said member carried by said side walls for pivotally supporting the sides of said U-shape member on said side walls on an axis parallel to the pivotal axis of said lever, a tension spring having one end pivotally connected to said arm of said lever approximate to the axis of the pivot of said U-shape member, adjusting means interconnecting the other end of said spring and the yoke of said member for adjusting the length of said spring, and means to selectively position said U-shape member about its pivot to shift said spring about its pivotal connection with said arm of said lever.

2,595,814
THERMAL STANDARD CELL
Theodore A. Rich and John E. Bigelow, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application April 6, 1949, Serial No. 85,888
1 Claim. (Cl. 322—2)



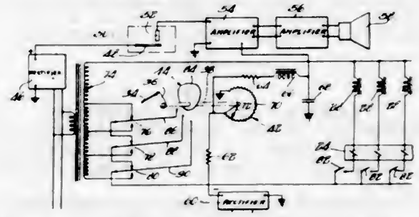
In combination, a pair of vessels having the inner portions thereof exposed to the atmosphere, a pair of liquids having different boiling temperatures, said liquids being separately contained in said vessels and subjected to varying pressures, said liquids having substantially parallel vapor pressure vs. temperature characteristics at atmospheric pressures, electrical heating means for maintaining said liquids at said boiling temperatures, means including a pair of electrical devices for sensing said temperatures, said sensing devices being arranged to have an output voltage responsive to the difference of said boiling temperatures, means comprising a temperature-responsive resistance arranged to sense one of said temperatures, said resistance being connected with said devices to maintain said output substantially constant for variations in said pressure.

2,595,815
CIGARETTE CARTON OPENER
Michael Salzano, Jersey City, N. J.
Application September 24, 1949, Serial No. 117,627
7 Claims. (Cl. 30—2)



1. A cigarette carton opener comprising a body member substantially as high as a cigarette carton, a longitudinal opening in the top of the body member, a resilient tongue on the body member whereby a carton is positioned therein, flanges on the top of the body member whereby a carton is retained below the flanges, an outflared entrance on the body member, a circular knife below the level of the flanges and intrudable between the flaps of a cigarette carton whereby the cementitiously sealed flaps may be unsealed from each other, a hand having a leading edge whereby the flaps are raised to a substanitally vertical position, downturned edges on the hand whereby the flaps are folded down and parallel with the sides of the carton, an opening in the side wall of the body at the point where the flaps are folded down, said opening ending at the point where the flaps reach the downward position, a roller on the body member adapted to frictionally engage and eject the cigarette carton into a stamping machine and means for rotating the roller and the circular knife.

2,595,816
ORGAN CHIME CONTROL
Francis M. Schmidt, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application August 14, 1947, Serial No. 768,567
8 Claims. (Cl. 84—1.04)



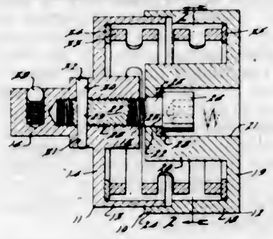
1. In an organ having a pedal-operated volume control and auxiliary chimes, a separate chime intensity control, and means mechanically connecting said chime intensity control to the organ volume control for synchronous operation therewith.

2,595,817
CLOTHESLINE
George H. Sebade, Deer River, Minn.
Application May 29, 1950, Serial No. 164,877
4 Claims. (Cl. 211—119.14)



1. A clothesline comprising a series of interconnected links, each link comprising a length of spring wire bent to form spaced apart body strands extending in the general direction of the clothesline and connected at adjacent ends by the medial bight portion of the wire, the ends of the strands adjacent the bight portion being coiled inwardly to form spring coils and then bent upwardly between the strands and outwardly, thence downwardly and alongside the outer surfaces of the strands, and finally upwardly and inwardly and terminating in the bight of the wire, thus forming a clasp normally urged into engagement with the body strands by the force of said spring coils, the end portions of the wire at opposite ends of the body strands being turned inwardly toward each other and inserted within the spring coils of the next link to interconnect said links.

2,595,818
OVERLOAD RELEASE COUPLING
Wallace H. Smila, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 17, 1948, Serial No. 21,600
5 Claims. (Cl. 64—30)

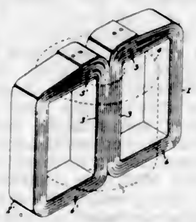


2. Mechanism for limiting the application of torque between driving and driven elements comprising first and second axially shiftable telescoping cups each being adapted to be connected to one of said elements, a device for limiting separatory movement of said cups consisting of means extending axially through said cups and fixed to one of said cups, and resilient means compressed within said cups and operatively frictionally connecting said cups to transmit a limited predetermined torque between them.

2,595,819
LUBRICATING OIL ADDITIVES
William H. Smyers, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 14, 1950, Serial No. 138,700
3 Claims. (Cl. 252—46.6)

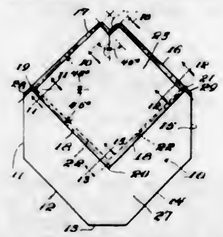
3. A lubricating oil composition comprising a major proportion of a mineral lubricating oil basestock, containing dissolved therein about 1 to 20% by weight of a P_2S_5 reaction product of a solution of about 20% by weight of a styrene-isobutylene copolymer having a combined styrene content of about 50% and an intrinsic viscosity of about 0.5 to 1.5, in about 80% by weight of sperm oil said reaction product containing between 1 and 10% sulfur and 0.1 to 5% phosphorus by weight.

2,595,820
MAGNETIC CORE
Gareth G. Somerville, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 20, 1949, Serial No. 111,443
2 Claims. (Cl. 175—356)



1. A curved magnetic core for stationary electromagnetic induction apparatus comprising, a plurality of radially nested flatwise curved lamination pieces of magnetic strip material, each of said pieces constituting a separate layer of said core and each being longer than the circumference of said core at its location whereby the ends of each piece are in overlapping relation, the areas of overlap of the ends of one set of alternate pieces being aligned transversely, the areas of overlap of the ends of the remaining set of alternate pieces being aligned transversely and off-set circumferentially relative to the transversely aligned areas of overlap of the ends of the first alternate set of pieces, one corresponding end only of each piece in said first set of alternate pieces being in substantial butt contact with an opposite end only of an adjacent piece of the remaining set whereby all of said areas of overlap constitute a core joint which in no transverse plane through it has less than 100 per cent magnetic material and more than one-half times the radial thickness of the sum of thicknesses of all of the said pieces.

2,595,821
INTERLOCKING SHINGLE
Grover C. Turman, Titusville, Fla.
Application August 20, 1947, Serial No. 769,564
2 Claims. (Cl. 108—8)



1. In a roof covering structure embodying a plurality of courses of similar plate-like shingles, a plate-like shingle having one portion hexagonal in shape and the other portion triangular in shape, the edges of said triangular portion being bevelled in such a manner as to undercut the shingle, an outwardly inclined right angular shoulder comprising a thickened extension of the triangular portion extending downwardly on the reverse face of the hexagonal portion, the shoulder having an inwardly and upwardly undercut edge, a V-shaped notch formed at the apex of said triangular portion, said notch bevelled to correspond with the inwardly bevelled edges of the triangular portion, said shoulder engaging the V-shaped notch of a shingle in an underlying course of shingles, and said notch engaging the shoulder of a shingle in a succeeding course of shingles, so that each shingle will interlock with each other shingle and the top and bottom of each row of shingles will interlock to provide a rigid self-sustaining structure.

2,595,822
SPRING SEAL FOR TUBE AND SHELL HEAT EXCHANGERS
William Uggerby, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application October 25, 1949, Serial No. 123,400
5 Claims. (Cl. 257—236)

1. A baffle for tube and shell heat-exchangers comprising, a plate apertured for assembly on a bundle of parallel radially-spaced tubes bonded to headers and thereafter insertable into a shell whereby said plate divides the interior of said shell around said tubes into separate compartments on opposite sides of said plate, and an arcuate-shaped spring metal element embracing a major peripheral portion of said plate and circumferentially contractible in the plane of said



plate to permit the sliding insertion of said tube-supported plate into said shell and thereby form a practically fluid-tight seal between said compartments around said major peripheral portion of said plate but allowing communication between said compartments around that peripheral portion of the plate not embraced by said element.

2,595,823
SPINNING TOP
William J. Wassenaar, Coopersville, Mich.
Application April 26, 1950, Serial No. 158,221
3 Claims. (Cl. 46—70)



1. In combination with a top and an elongated flexible member for imparting rotation thereto, a stem fixed to and rising from the upper end of the top, said stem being disposed substantially axially of the top and having an enlarged intermediate portion provided with an annular groove forming a pulley, a top holder comprising an elongated relatively thick bar having one end forming a handle and having an opposite end providing a head, said head having a longitudinally extending notch opening outwardly of its terminal and outwardly of the top and bottom surfaces of the head in which the stem is detachably disposed and journalled, said notch having an enlarged portion intermediate of its upper and lower ends in which said pulley is loosely disposed, and said head being provided with aligned corresponding grooves in opposite sides thereof having portions opening into the enlarged recessed intermediate portion of the notch to receive said flexible member, a portion of said flexible member extending transversely across the head through the grooves and enlarged portion of the notch and being trained around the outer part of and engaging in the pulley groove for imparting torque to the stem and top when the flexible member is drawn transversely through the head, said pulley groove being of a width to provide a close fitting engagement with the portion of the flexible member engaging therein.

2,595,824
GAS VALVE ASSEMBLY FOR OIL WELLS
Leonard O. Wharton, Jr., Fort Worth, Tex.
Application June 20, 1949, Serial No. 100,173
3 Claims. (Cl. 166—2)

1. A valve assembly for operation beneath the lowermost static level of oil in a well having a string of tubing therein, said assembly comprising: a flow pipe adapted to be connected with said string of tubing and including a passage therethrough communicating said tubing above said flow pipe with said oil, a rotatable valve element mounted in said flow pipe and positioned across passage for opening and closing the same, an elongated housing positioned substantially parallel with and spaced from one side of said flow pipe, means rigidly securing said housing to said flow pipe, a vertical standpipe connected

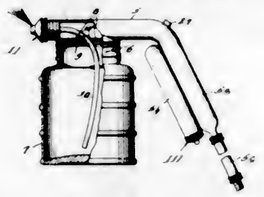


with said housing, said standpipe including an opening through its upper end, a diaphragm assembly mounted in an opening in the side of said housing adjacent said flow pipe, means between said diaphragm and the last said opening providing a fluid excluding seal therebetween, at least one link connecting said diaphragm with said valve element, and means pressing the diaphragm assembly inwardly of said housing for displacing a part of the volume within said standpipe.

2,595,825
SOLVENT EXTRACTION OF VEGETABLE OILS
Walter H. Williamson, Indian Hill, Ohio, assignor to The Procter and Gamble Company, Ivorydale, Ohio, a corporation of Ohio
No Drawing. Application May 13, 1949, Serial No. 93,189
8 Claims. (Cl. 260—412.4)

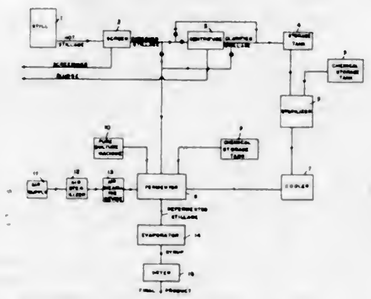
1. In the extraction of oil from comminuted cottonseed meats by means of a volatile organic oil extraction solvent wherein a plurality of separate beds of flaked meats are subjected to contact with oil extraction solvent, the steps which comprise contacting the meats with a pre-wetting agent consisting at least in part of a water-miscible organic solvent having affinity for water-soluble substances in the meats to effect pre-wetting and swelling of the meats, forming the pre-wetted and swelled meats into a plurality of separate beds and thereafter passing successively through said beds an oil extraction solvent capable of extracting oil from said meats and comprising a water-miscible organic solvent having affinity for water-soluble substances in the meats.

2,595,826
SPRAY NOZZLE
John L. Winks and Lynn Fletcher, Lowell, Mich., assignors to Lowell Specialty Company of Lowell, Michigan, Lowell, Mich., a corporation of Michigan
Application November 10, 1947, Serial No. 784,944
5 Claims. (Cl. 299—89)



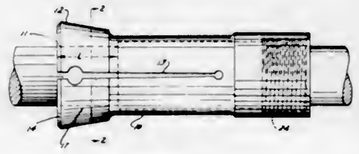
1. In a spray device having an air conduit including a cylinder, a liquid reservoir attached to and depending from the cylinder and adapted to be held in a predetermined position, a relatively fixed eduction tube having its inlet end disposed within and adjacent to the bottom thereof when the reservoir is in said position and having its outlet end projecting forwardly of the cylinder discharge end, comprising a nozzle member surrounding said outlet end of said tube and defining with the outlet end of the tube a passageway for air to flow from the cylinder to the nozzle, said nozzle member being rotatable about and movable longitudinally of a forward part of the axis of said tube, said nozzle member having a discharge orifice the axis of which is disposed at an angle less than a straight angle to said tube axis part, and means rotatable with and relative to said nozzle member for moving the nozzle member to adjust the relative quantity of air flowing to said nozzle orifice through said passageway irrespective of the angular rotative position of the orifice axis.

2,595,827
RECOVERY OF FEED PRODUCTS FROM STILLAGE BY REFERMENTATION
Clair S. Boruff and Leonard Stone, Peoria, Ill., and Jacob C. Bauernfeind, Nutley, N. J., and John C. Garey, State College, Pa., assignors to Hiram Walker & Sons Inc., Peoria, Ill.
Original application March 30, 1945, Serial No. 585,698. Divided and this application October 3, 1947, Serial No. 777,708
8 Claims. (Cl. 195—37)



1. In the treatment of stillage from a primary alcohol fermentation to increase the content of water soluble vitamins of the B complex and other growth-stimulating substances, the step which comprises subjecting the stillage to the fermentative action of the ascomycete *Ashbya gossypii* under controlled aeration.

2,595,828
COLLET
John R. Cox, Cleveland, Ohio, assignor to The Balas Collet Manufacturing Co., Cleveland, Ohio, a partnership
Application August 9, 1946, Serial No. 689,412
3 Claims. (Cl. 279—46)



3. A collet comprising a sleeve equidistantly kerfed to form stock-gripping pads, the stock-gripping walls of said pads being segments of a cylinder interrupted by planar surfaces whose walls extended would form a regular polygon, the polygon defined by the extension of said planar surfaces being oriented relative to the kerfs so that at least two corners of the polygon intersect the cylinder at kerfs with the edges of the pads at the kerfs being beveled, there being a blind V-shaped recess in each pad between the kerfs corresponding to other corners of the polygon, the accumulated peripheral length of the planar surfaces of said pads being substantially equal to the accumulated circumference of the cylindrical segments of the pads.

2,595,829
AXIAL FLOW FAN AND COMPRESSOR
George A. Dean, Radburn, N. J., assignor to Benson Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application December 19, 1946, Serial No. 717,235
7 Claims. (Cl. 230—134)



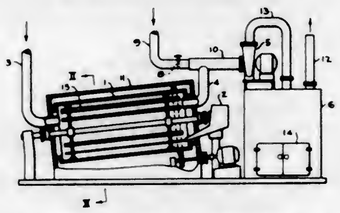
2. A fan or fluid impeller, comprising a hub having around its periphery a series of undercut recesses each forming an enlarged pocket spaced inwardly from the peripheral surface of the hub and opening onto said surface through a restricted throat, a plurality of blades each having an enlarged root disposed in one of said pockets with the stem of the blade extending outwardly through the throat, the root and pocket being shaped to provide matching convex and concave surfaces respectively forming a bearing for limited pivotal movement of the blade relative the hub, the edges of the throat at its narrowest point being spaced laterally from said stem to permit lateral shifting of said stem upon such pivotal movement, and resilient, compressible material in said throat opening filling the space between the stem of the blade and the edges of said opening.

2,595,830
WELDING NUT
Joseph B. Demboske, Berea, Ohio, assignor to Edward J. Demboske, Berea, Ohio, and Ray E. Demby, Battle Creek, Mich.
Application September 3, 1946, Serial No. 694,635
1 Claim. (Cl. 151—41.7)



A welding nut comprising a body having a threaded axial opening therein and an integral rectangular flanged flat base which is thinner than the wall of the body, the lower face of said base having a recess in the central portion thereof, ribs protruding from said flat surface, said ribs being tapered towards the perimeter of the flange and towards said recess.

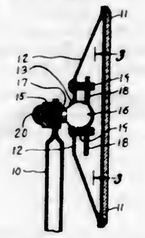
2,595,831
PROCESS FOR DISINTEGRATING CONGLOMERATES OF POLYMER PARTICLES
Willem Leendert Johannes de Nie, London, England, and Rudolf Herman Mettivier Meijer, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 16, 1948, Serial No. 49,656
In the Netherlands September 18, 1947
20 Claims. (Cl. 260—96)



1. A process for the disintegration of liquid-containing conglomerates of polyvinylidene chloride particles which comprises introducing the said conglomerates into a rotating drum equipped with a slightly inclined shaft and having radial vanes attached to the inner wall, simultaneously passing a current of air at 80° C. over the mixture in the drum, and withdrawing the air containing the suspended polymer particles to a settling chamber where the particles are allowed to settle to the bottom and are collected as a finely divided, dry powder.

2,595,832
ADJUSTABLE AUTOMOTIVE MIRROR MOUNTING
Joseph Fischer, New York, N. Y.
Application November 1, 1948, Serial No. 57,714
1 Claim. (Cl. 287—21)

In an automotive rear-view mirror fixed in a mirror-back housing, with a solid ball seated within a perforation formed through the housing and being gripped by a disk ring seated on said ball by screws, thus providing a swivel-ball joint, and a stud with a threaded end extending outward from the ball through the perforation and anchored by a nut on a supporting arm adapted to be attached to a car body for mounting said rear-view mirror in service position—the improvement in said swivel-ball joint consisting in forming said solid ball of semi-soft metal integral with and around one end of said stud, the stud being formed of full-hard metal, and including a semi-soft annular metal shoulder integral with the ball on and around the stud, the threaded end of said stud extending from the semi-soft annular metal shoulder and through the supporting arm, whereby the nut



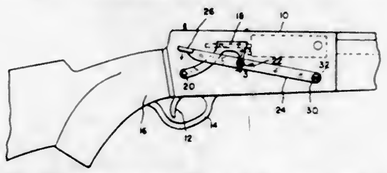
jams the arm against the semi-soft shoulder to provide a cushioned compression anchorage between the housing and the arm, while the screws draw the disk ring into cushioned compression biting engagement with the semi-soft ball, thereby interposing two such semi-soft cushioned compression joints between the rear-view mirror and the supporting arm.

2,595,833
SCREENING FOR VEHICLES
John T. Flaherty, White Plains, N. Y.
Application May 11, 1951, Serial No. 225,781
1 Claim. (Cl. 160—369)



An insect excluding screen for a window having a frame of magnetically attractive metal comprising a body of screen material, a strengthened margin for said body, said body having a plurality of pockets formed therein in spaced relation to each other and in inwardly spaced parallel relation to said margin, and a permanent magnet affixed in each of said pockets.

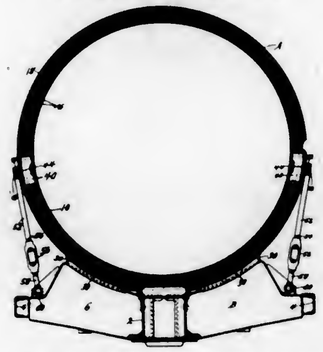
2,595,834
RIFLE SAFETY ATTACHMENT
Ray W. Fleenor, Cass City, Mich.
Application November 20, 1950, Serial No. 196,630
14 Claims. (Cl. 42—70)



1. In combination with the safety of a rifle, the safety being in the form of a lever having an outwardly extending operating projection movable in a vertical plane at one side of the rifle in position to be operated by the user without removing his hand from firing position on the gun, an attachment for actuating said safety lever comprising a lever, pivot means mounting said attachment lever for swinging movement in

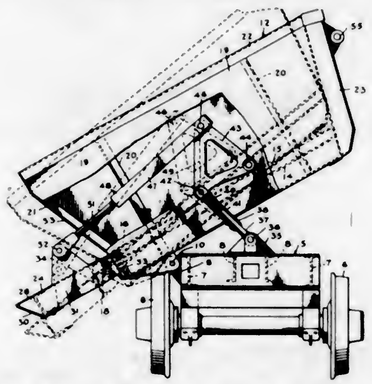
a vertical plane in a position overlying the projection on said safety lever, said attachment lever having an opening intermediate its length into which said projection extends.

2,595,835
INSULATED TANK CAR
Clyde H. Folmsbee, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 13, 1946, Serial No. 654,101
11 Claims. (Cl. 105—362)



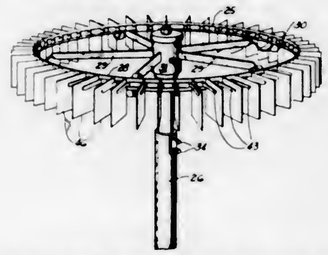
1. In a railway tank car the combination of an underframe including a center sill as the main structural element thereof, a lading retaining shell supported on the underframe adjacent the ends of the underframe, heat insulation covering said shell and supported thereby, and a metallic jacket protecting said heat insulation and anchored to the center sill substantially throughout its length.

2,595,836
AUTOMATIC DROP DOOR MECHANISM
George D. Fraunfelder, Easton, Pa., assignor to Easton Car & Construction Company, Easton, Pa., a corporation of Pennsylvania
Application June 27, 1946, Serial No. 679,735
2 Claims. (Cl. 105—274)



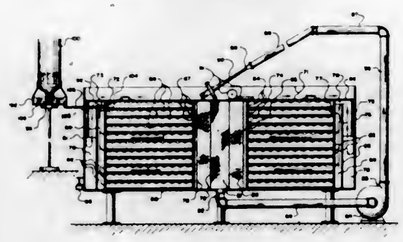
1. In a dump vehicle, a chassis, a dump body tiltably mounted on said chassis and including a floor, a side wall and two end walls forming a part of and movable with the dump body and defining between them a lading receiving space in said body, and a door swingably mounted at its lower edge portion on the body and over which lading from the body is dumped, and at least one set of door operating devices having connections with the door, the body and the chassis, said door operating device set being mounted wholly above the chassis and so constructed and arranged as to automatically open the door as the body is dumped and close the door as the body is returned to its normal position and comprising a triangular rocker member presenting first, second and third pivot centers the first of which has fixed pivotal bearing on the body, the second one of which is pivotally connected to one end of an actuater tension link having its other end pivotally connected with the door, and the third of which is pivotally connected to a compression column composed of two telescoping sections one pivotally connected to the rocker member as aforesaid and the other of which is pivotally connected to a fixed bearing on the chassis, said five pivotal connections of the door operating devices being cooperatively arranged to cause said door to be moved into coplanar relation with the floor prior to completion of the dump tilt incidental to each body dumping operation, and said telescoping sections serving to permit elongation of the compression column during each dumping operation after the door and floor have attained said co-planar relation, said link being bifurcated so that it can receive the rocker member and its pivotal connection with the compression column in its bifurcation, and said five pivotal connections of the door operating devices also being cooperatively arranged to cause the two pivotal connections of the link and said rocker member and compression column pivotal connection to be arranged in door locking alignment and in said bifurcation when the door is closed.

2,595,837
SORTING APPARATUS
David A. Freeman, Chicago, Ill., assignor to G. H. Bishop Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1947, Serial No. 752,075
4 Claims. (Cl. 211—10)



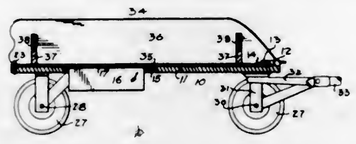
4. In a laundry and garment sorting and assembling apparatus, a rotatable reel having an outer circular vertically disposed rim on which the laundry or garments are suspended in radial planes, there being a plurality of slots in said rim, said slots being disposed in said rim for receiving the suspended laundry or garments according to lots, indicia on said rim adjacent each of said slots, said indicia corresponding to indicia on invoices for identifying the garments of each lot, and spring clips projecting outwardly from said rim to carry invoices in radial planes in close proximity to the laundry or garments carried in radial planes suspended from said slots, said spring clips being snapped into position on said rim between said slots holding said spring clips in mounted position.

2,595,838
APPARATUS FOR CLEANING PARTS AND FOR SEPARATING SUSPENDED PARTICLES FROM LIQUIDS
Elmer A. Fuglie, Winona, Minn., assignor to Winona Tool Mfg. Company, Winona, Minn., a corporation of Minnesota
Application July 2, 1945, Serial No. 602,807
8 Claims. (Cl. 134—111)



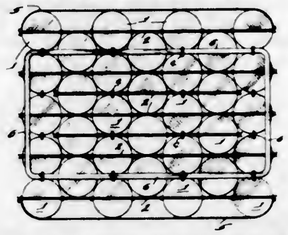
1. Apparatus for cleaning mechanical parts which cut and shape metals and for removing particles from the cleaning liquid while the cleaning takes place, comprising a casing having top and bottom walls and an outer wall united with the bottom wall and having a portion extending above the top wall to form an open-topped chamber adapted to receive loosely and indefinitely positioned upon said top wall the parts to be cleaned, means including said outer wall forming an outside annular chamber adapted to contain a cleaning liquid having liquid-flow connection at its top with said first named chamber, means forming a central chamber within the casing with an opening through its bottom, an annular filter surrounding the central chamber, said central chamber having connection through the filter with the annular chamber, means for causing liquid to be introduced into the central chamber and a pump connected to draw said liquid from the central chamber and force it in the form of a jet upon the articles to be cleaned within their supporting chamber and upon the top wall forming its bottom.

2,595,839
CHILD'S CONVERTIBLE VEHICLE
Benjamin G. Gellenbeck, Tacoma, Wash.
Application May 4, 1948, Serial No. 25,062
2 Claims. (Cl. 280—7.12)



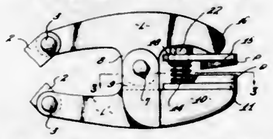
1. A convertible vehicle comprising a wheeled platform and an inverted sled forming the box for said vehicle; a rearward extending flange secured on said platform and extending over the front edge of said inverted sled; a releasable spring latch mounted on the rear end of said platform and engaging and holding said inverted sled down on said platform; together with downward extending sides of said inverted sled engaging the side edges of said platform to hold said inverted sled from lateral displacement on said platform.

2,595,840
SPRING ASSEMBLY FOR UPHOLSTERY
William W. Gleason, Chicago, Ill., assignor to Nachman Corporation, Chicago, Ill., a corporation of Illinois
Application April 23, 1949, Serial No. 89,200
12 Claims. (Cl. 5—251)



1. A spring assembly for upholstery comprising a series of parallel rows of fabric encased helical springs, the ends of said casings and the terminal coils of the springs contained therein being connected by helical tie-wires encircling the ends of said casings and said spring end-coils, a resilient frame composed of flat strip metal mounted upon one face of said assembly in overlapping relation to meeting end-coil portions of springs of a marginal row and an adjacent row and the casings thereof, and helical tie-wires encircling said frame and terminal portions of meeting points of certain of said casings and the terminal coils of two springs overlapped by said frame.

2,595,841
HAND NOTCHING TOOL
Leslie P. Glick and Frank E. Norman, Los Angeles, Calif., assignors, by direct and mesne assignments, of twenty-five per cent to Al Nu Delman, seven per cent to Edna Nu Delman, eight and one-half per cent to Robert N. Gold, six and one-half per cent to Guy O'K. Evans, all of Los Angeles, and three per cent to Herman N. Elbaum, North Hollywood, Calif.
Application September 27, 1948, Serial No. 51,432
8 Claims. (Cl. 30—229)

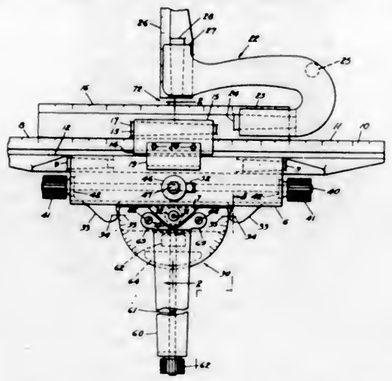


1. In a device of the character set forth, a pair of coaxially pivoted operating handles, a pair of activating links separately pivoted to said handles, a removable and replaceable die set mounted on one of the links and including a die, and a punch yieldably mounted relative to said die, said other link including a cam arm extending over and normally in sliding contact with the punch whereby pivotal movement of the handles will impart pivotal movement of the links and cause said cam arm to rock on the punch while cutting a piece of work held between the punch and the die.

2,595,842
MACHINE FOR MAKING MECHANICAL DRAWINGS
Arthur A. Goerz, Los Angeles, Calif.
Application October 1, 1946, Serial No. 700,550
8 Claims. (Cl. 33—75)

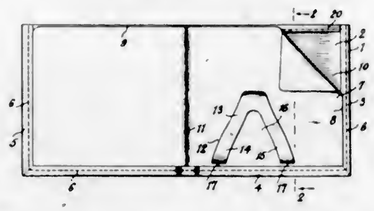
1. In a drafting machine, a bridge member, a pair of axially alined wheels for drafting board

travel, an axle member common to said wheels, mounting means for said axle member including bearing means through which said axle passes and an upwardly projecting pin which passes loosely through said bridge member, a spring carried by said bridge member, means carried by said pin against which said spring abuts to raise said pin and thus lift said axle member normally to maintain said wheels out of contact with said board, means manually to depress said pin to



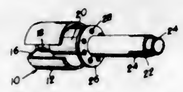
bring said wheels into an operative contact with the board against the opposition of said spring, means to releasably lock said wheels in such contact, a straightedge secured to one side portion of said bridge, and a protractor pivotally attached to its opposite side portion, said protractor comprising a plate engageable in a flatwise manner with the surface of a drafting board and having angle indicating graduations, said bridge member having foot portions in a cooperative relation to said graduations.

2,595,843
WALLET
Charles Grabhorn, Hoboken, N. J.
Application November 13, 1950, Serial No. 195,169
2 Claims. (Cl. 150—38)



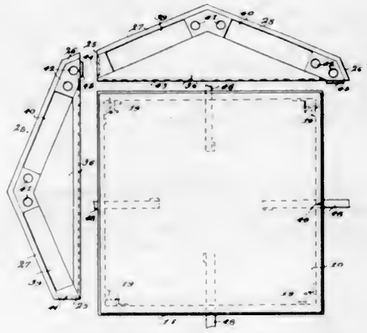
2. A clip, for association with a wallet of the type having a back panel, lining and an overlying partition flap attached thereto defining a bill containing compartment, comprising an integral front and rear leaf, said front leaf consisting of two legs, the upper portions of which merge to form a resilient finger, said rear leaf pressing between said panel and lining, said front leaf, legs and resilient finger extending through apertures in the flap and lining and exposed over the front face of the flap to thereby hold bills between it and the flap and also between the flap and the lining.

2,595,844
HAIR CURLER
Edith M. Graham, Fayetteville, N. C.
Application August 22, 1950, Serial No. 180,773
1 Claim. (Cl. 132—33)



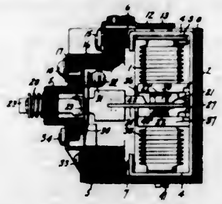
A hair shaping device including a cylindrical cup comprising an end plate and a side wall, and a mouth opposite said end plate, said side wall and end plate having a slot with an open end at said mouth, a spindle secured to the inner face of said end plate and extending axially of the cup beyond said mouth, a sleeve axially and frictionally slidably mounted on said spindle and of a length greater than the longitudinal depth of said cup, a flat, apertured disc of a diameter slightly less than the internal diameter of the cup, and a tubular handle axially and frictionally slidably mounted on said sleeve and carrying said disc on the end of the tubular handle adjacent the end plate of the cup, the coefficient of friction between the tubular handle and said sleeve being less than the coefficient of friction between the sleeve and the spindle.

2,595,845
SUPPLEMENTAL COLLAPSIBLE EXTENSION TABLE TOP
Edward R. Hagwell, Longview, Wash.
Application March 3, 1949, Serial No. 79,391
4 Claims. (Cl. 311—106)



1. In combination with a square table top having an extension piece for each side of said top, and means for attaching said pieces to said top, each of said extension pieces having a relatively long straight side removably attachable to one side of said top and extending beyond one end thereof, and a relatively short straight side perpendicular to the relatively long straight side and contiguous thereto, said short side abutting the portion of the adjacent extension piece which extends beyond the table top end, said extension pieces having their upper surfaces in the same plane as the upper surface of the table top, and said extension pieces having their outer edges in registry with each other to form with said square table top a composite enlarged top of symmetric shape.

2,595,846
OVERLOAD PROTECTIVE SWITCH
Chester I. Hall, Vischer's Ferry, and John L. Slonneger, Alplaus, N. Y., assignors to General Electric Company, a corporation of New York
Application December 21, 1946, Serial No. 717,710
4 Claims. (Cl. 200—122)



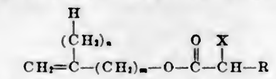
4. A thermal overload protective device for an electric circuit comprising a base, a pair of expansible bellows disposed in end-to-end opposing relation with their remote end walls fixed to said base, a rod connecting the movable adjacent end walls of said bellows for rectilinear movement in fixed spaced apart relation, a vaporizable liquid in one of said bellows, a thermally expansible vapor in the other of said bellows, electric heating means for vaporizing said liquid in response to the flow of a predetermined excessive current in said circuit, switching means adapted to interrupt said circuit, means for actuating said switching means to circuit opening position including an apertured plate loosely embracing said rod and biased for edgewise movement perpendicular to said rod, and a flat latching plate mounted upon said rod and disposed for edgewise latching engagement in said aperture when said liquid is in an unvaporized state.

2,595,847
COMPOSITION COMPRISING DIETHYL PHOSPHITE AND A COPOLYMER OF ACRYLONITRILE
George E. Ham, Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation, a corporation of Delaware
No Drawing. Application September 23, 1949, Serial No. 117,505
3 Claims. (Cl. 260—30.6)

1. A new composition of matter, comprising a homogeneous miscible mixture of 65 to 95 percent by weight of diethyl phosphite and from five to 35 percent of a copolymer of from 70 to 90 percent by weight of acrylonitrile and from ten to 30 percent of another copolymerizable monomer.

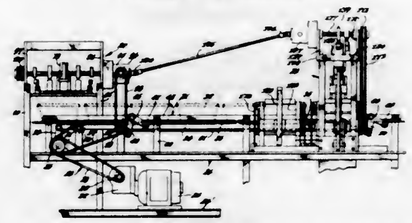
2,595,848
DYEABLE COPOLYMERS
George E. Ham, Dayton, Ohio, assignor, by mesne assignments, to The Chemstrand Corporation, a corporation of Delaware
No Drawing. Application February 27, 1950, Serial No. 146,631
16 Claims. (Cl. 260—85.5)

1. A dye receptive copolymer of 75 to 98 percent by weight of acrylonitrile and from two to 25 percent of a compound having the formula:



wherein X is an atom of the group consisting of chlorine and bromine, R is a radical of the group consisting of hydrogen and alkyl radicals having up to four carbon atoms, m and n are small whole numbers from zero to one, inclusive, and n is not greater than m, said copolymer having been chemically reacted with an alkali metal salt of a mercapto substituted N-heterocyclic compound wherein the mercapto group is substituted on a carbon atom.

2,595,849
CONTAINER FEEDING AND COVER APPLYING APPARATUS
Gordon Hammond, Ashland, Va., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application August 16, 1950, Serial No. 179,716
11 Claims. (Cl. 226—92)

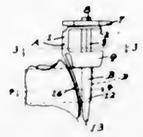


1. A container feeding and cover applying apparatus comprising a frame structure, conveyor mechanism supported on the frame structure and adapted to advance containers through the apparatus, container feed mechanism lying over one end of the conveyor mechanism and adapted to drop containers one at a time thereupon, a cover applying apparatus disposed on the frame structure and above the opposite end of the conveyor mechanism, cover supplying mechanism operable in connection with the cover applying mechanism, said cover applying mechanism having a reciprocating cover applying carriage operable between containers on the conveyor mechanism and the cover supply mechanism, and a driving arrangement including a common power source connected to the conveyor, container feed and cover applying mechanisms to operate the same in timed relationship with respect to one another, and said drive arrangement including a driving motor and a shaft journalled in the frame structure, said conveyor mechanism having a reciprocating member, a crank arm connected to said shaft and rotatable therewith, a driving rod connected to the crank arm and to the reciprocating member of the conveyer mechanism, a secondary shaft journalled on the frame structure and having a cam, said conveyor mechanism having bell crank means for lifting said reciprocating member and operable by said cam, said container feed and cover applying mechanisms having respectively drive boxes thereupon, each of said drive boxes having shafts extending from the same and universal joints disposed respectively upon said shafts, a common driving member connected between the universal joints, and said secondary shaft drivingly connected to the drive box of the container feed mechanism.

2,595,850
DENTAL APPLIANCE
Hadley H. Hicks, Bisbee, Ariz.
Application July 10, 1950, Serial No. 172,847
9 Claims. (Cl. 32—63)

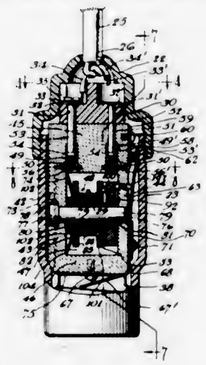
1. A dental appliance comprising, a flexible band adapted to encircle a tooth, a frame having a portion engaging a face of the tooth, a shaft

normally freely rotatable in the frame, means to secure the ends of the band to the shaft, means to rotate the shaft to wind the band ends there-



on to tighten the band to the tooth, and the shaft upon the tightening of the band tilting and moving into frictional engagement with the frame to hold the shaft against rotation.

2,595,851
ELECTRICAL PULL-CORD SOCKET
Otto Holzapfel, Chicago, Ill.
Application June 1, 1951, Serial No. 229,379
11 Claims. (Cl. 200—51.15)



1. An electrical pull-cord connector for establishing electrical circuit between a line and an electrical device, comprising an insulating casing having a fixed and a movable contact on the outside thereof, the movable contact being biased into engagement with the fixed contact, each contact being connected to a part of the circuit and said contacts when engaged adapted to establish said circuit, a ratchet device in the casing and a pull cord connected with the ratchet device and extending outside of the casing and adapted when pulled to operate the said ratchet device, said ratchet device including a uni-directional rotatable wheel having ratchet teeth whereby the successive pulls of the cord will rotate the wheel in step-by-step movements, each step being a fraction of a revolution, said wheel having cam formations corresponding in number to the number of ratchet teeth, a reciprocable member extending through the casing and having one end engaging the movable contact outside of the casing and the other end engaging a cam formation of said wheel, the alternate cam formations being of a dimension to position the reciprocable member to move the movable contact free of the fixed contact, while the intermediate conformations being of a different dimension disposing the reciprocable member in a position permitting the contacts to engage, whereby successive pulls of the cord will make and break said circuit.

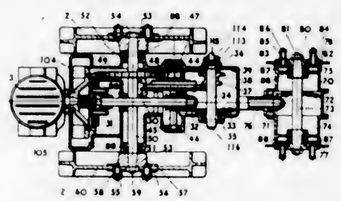
2,595,852
PROCESS FOR SPRAY DRYING SOLUBLE FUSIBLE POLYMERS OF UNSATURATED ESTERS
Francis C. Hopper, Oakland, and Quentin T. Wiles, Lafayette, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 20, 1949, Serial No. 100,294
19 Claims. (Cl. 260—78.4)

8. A process for converting a fusible, soluble polymer of an ester of an unsaturated alcohol possessing at least one ethylenic linkage not more than four carbon atoms removed from the hydroxyl group and a polycarboxylic acid wherein at least two of the carboxyl groups are esterified with the aforedescribed unsaturated alcohol into relatively dry finely divided particles which are substantially soluble and fusible, which comprises projecting a solution comprising a mixture of the said fusible, soluble polymer and the monomeric ester employed in the preparation of the said polymer which solution contains at least 90% by weight of the polymer and which has been diluted with a volatile organic solvent to form a sprayable solution, in finely divided form into relatively dry gas heated to a temperature between 50° C. and 240° C.

2,595,853
N - (DIALKYLAMINOALKYL) PHENTHIAZINE THEOPHYLLINE ACETATES AND PROCESS FOR PREPARING THE SAME
Raymond Jacques Horclois, Malakoff, France, assignor to Societe des Usines Chimiques Rhone-Poulenc
No Drawing. Application December 8, 1950, Serial No. 199,934. In France December 23, 1949
5 Claims. (Cl. 260—243)

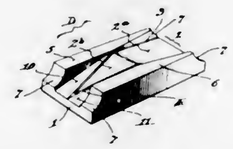
1. The N - (dialkylaminoalkyl) - phenthiazine theophylline acetate possessing efficacy in the treatment of motion sickness and in which the dialkylaminoalkyl group is $A—N(R)_2$ where A is selected from the class consisting of straight and branched alkylene chains containing not less than two and not more than three carbon atoms of which at least two form a chain linking the two nitrogen atoms and R is selected from the group consisting of methyl and ethyl.

2,595,854
GARDEN TRACTOR TILLER TRANSMISSION
Arthur Clifford Howard, Leeds, England, assignor to Rotary Hoes Limited, East Horndon, Essex, England
Application February 6, 1947, Serial No. 726,922
In Great Britain February 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires February 25, 1961
1 Claim. (Cl. 97—40)



A rotary tilling machine comprising a frame, a motor carried by said frame and having a driving shaft, a gear transmission casing carried by the frame rearwardly of the motor, a longitudinal power shaft supported for rotation in said gear transmission casing, clutch means connecting one end of said power shaft to said driving shaft, a jack shaft journaled for rotation in the casing rearwardly and transversely of the other end of the power shaft, drive means connecting said jack shaft to said power shaft, a lay shaft journaled for rotation in said casing forwardly of the jack shaft and having its axis substantially parallel to said jack shaft, said lay shaft transversely underlying the longitudinal shaft, a plurality of drive gears secured to said lay shaft, a plurality of axially slidable change-speed pinions on said jack shaft for selective engagement with said plurality of drive gears carried by said lay shaft, a ground wheel axle journaled for rotation in said gear casing forwardly of said lay shaft and having its axis substantially parallel to the axes of said jack and lay shafts, drive means between said ground wheel axle and said lay shaft, a rearwardly declined longitudinal rotor driving shaft rotatably journaled in and extending from said casing beneath said jack shaft, a rotor shaft disposed transversely of and drivingly connected to the outer end of the rotor driving shaft, a conical spur gear secured to said declined rotor driving shaft within the casing, a plain spur gear splined on said longitudinal power shaft at a location between said lay shaft and wheel axle for axial movement therealong and being positioned to selectively engage and disengage said conical spur gear for driving said declined rotor driving shaft and means supported on said gear casing and connected to said plain spur gear for moving said plain spur gear and thereby selectively engaging and disengaging said declined rotor driving shaft with said longitudinal power shaft.

2,595,855
DEVICE FOR CHANGING THE TRANSVERSE ARRANGEMENT OF CROSSWISE CONTIGUOUS PORTIONS OF RIBBONLIKE MATERIALS
Edward H. Jackson, Jr., Temple, Pa.
Application January 23, 1948, Serial No. 3,958
1 Claim. (Cl. 270—93)



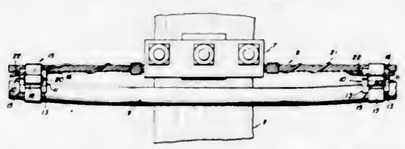
A device for changing the transverse arrangement of contiguous portions of a ribbon-like material during its travel from one material supporting element to another, which device comprises, a material guide structure adapted to be mounted between said supporting elements and provided with primary guide surfaces arranged in successive upwardly and downwardly inclined order above the supporting level between said supporting elements, and complimentary guide surfaces spacedly arranged along the edge and below said primary guide surfaces for contactingly conducting the edge portions of the material in lengthwise direction and effecting progressive folding of the edge portions of the material under the central portion of the latter.

2,595,856
FAUCET
Samuel M. Kass, Philadelphia, Pa.
Application September 11, 1946, Serial No. 696,214
1 Claim. (Cl. 251—115)



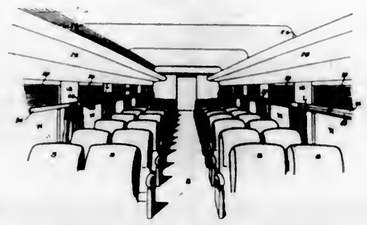
In a faucet, a casing having a straight downwardly extending hollow interior from an inlet end at the top to an outlet end at the bottom, having a spring chamber near the top, having a guiding bore below the spring chamber, having a valve chamber below the bore, having a valve seat below the valve chamber and having an internal thread below the valve seat, a unitary straight valve spindle in the chamber, having a guiding portion cooperating with the guiding bore of the chamber, having ports extending longitudinally and outwardly from the spring chamber to the exterior of the valve element at the valve chamber, having a valve closure below the ports above mentioned, the valve closure cooperating with the valve seat, having ports extending inwardly and longitudinally below the valve closure to the discharge end, and having an external thread thereon cooperating with the internal thread on the casing, a handle connected to the valve spindle at the lower end for turning the same, and a torsion spring in the spring chamber connected to the casing and to the valve spindle.

2,595,857
CABLE SPACER
Otto F. Kinsel, Bellevue, Ohio
Application August 9, 1948, Serial No. 43,182
1 Claim. (Cl. 248—61)



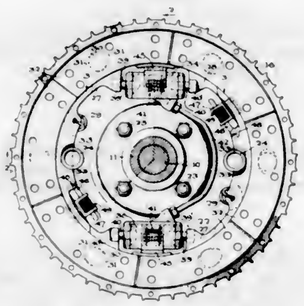
In a structural assemblage of the class shown and described, in combination, a suspension strand, a clamp adapted to connect said strand to a pole, a lead covered cable beneath and approximately parallel to said suspension strand, lead spacers interposed between said strand and cable, said spacers being spaced longitudinally from each other and being adapted to be located short distances from said pole, a metal strap looped and wrapped tightly around each spacer and coacting portions of said cable and strand, and separate wires having portions adapted to be wrapped around said strand on opposite sides of said pole and having end portions laced through the looped straps in a manner to lash and anchor the spacers, by way of the coacting spacers and straps, to said suspension strand.

2,595,858
RAILWAY CAR
Otto A. Kuhler, Blauvelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 9, 1946, Serial No. 653,293
19 Claims. (Cl. 105—329)



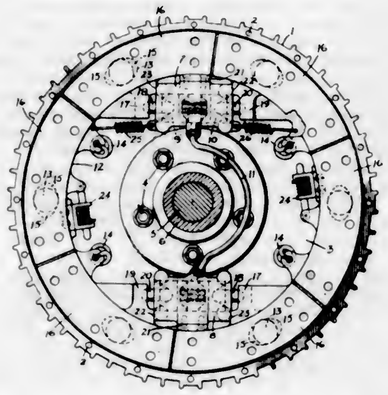
2. In a railway car the combination of a side wall, windows in the side wall, side posts between the windows, inside trim covering said side post, gaps in said trim adjacent said side post, and a flat plate like stiffener member fastened to the side posts in the gaps between said inside trim, said stiffener extending across the windows between the top and bottom edges thereof and closing the gaps in said inside trim.

2,595,859
DOUBLE DISK HYDRAULIC BRAKE CONSTRUCTION
Homer T. Lambert, St. Joseph, and Claude R. Myers, Galien, Mich., assignors, by direct and mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application December 21, 1948, Serial No. 66,404
5 Claims. (Cl. 188—72)



2. Brake mechanism for vehicles or the like, comprising a rotary casing having spaced internal friction surfaces, a braking unit composed of a pair of disks each having a plunger seat arranged in opposed relation to the other, a hydraulic cylinder between said plunger seats having opposed pistons and plungers seated on said seats, means for admitting pressure fluid into the cylinder between the pistons, yieldable means for holding the disks in brake-released position, means between the disks for separating the same and bringing them into contact with the casing friction surfaces, a supporting flange on which said cylinder is fixedly mounted, and means spaced equidistant from the cylinder and mounted on said flange for holding the braking unit in the casing to properly cooperate with the friction surfaces of the latter.

2,595,860
DISK BRAKE CONSTRUCTION
Homer T. Lambert, St. Joseph, and Claude R. Myers, Galien, Mich., assignors, by direct and mesne assignments, to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application July 24, 1951, Serial No. 238,283
15 Claims. (Cl. 188—72)

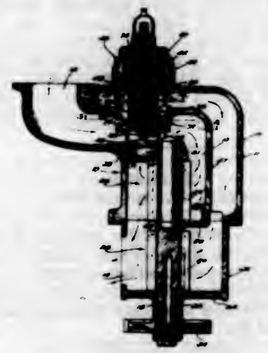


12. A disc brake of the class described, comprising a rotary brake housing adapted to be operatively connected to a rotary part to be braked for rotation therewith, said housing being provided interiorly thereof with opposed, axially spaced annular braking surfaces, a relatively fixed support disposed adjacent to said housing, a pair of fluid pressure responsive actuators fixed to said support in positions at diametrically opposite sides of the axis of rotation of said housing, and a double-disc friction unit disposed within said housing in concentric relation thereto and encircling said actuators normally in slightly spaced relation to said actuators, the discs of said friction unit being free for limited rotation relative to each other and also free for axial movement towards and away from each other and consequently into and out of frictional braking engagement with the braking surfaces within said housing, means between said discs for producing said axial movement of the discs responsive to limited rotation of one disc relative to the other, and means on said discs and operatively engageable with said actuators for producing such relative rotative movement of the discs responsive to fluid pressure in said actuators.

2,595,861
PUMPING APPARATUS
Clarence W. Laubin, Snyder, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 4, 1947, Serial No. 720,173
6 Claims. (Cl. 103—11)

1. In a pumping apparatus, a main pump and a supplemental pump arranged in parallel and

having a common discharge conduit, and a valve actuated by the fluid in said discharge conduit



for controlling the flow through said supplemental pump.

2,595,862
GLASS CUTTING DEVICE
Edward J. Lavander, Chicago, Ill., assignor, by mesne assignments, to Verticraft Mfg. Corporation, Chicago, Ill., a corporation of Illinois
Application March 24, 1949, Serial No. 83,233
5 Claims. (Cl. 49—48)



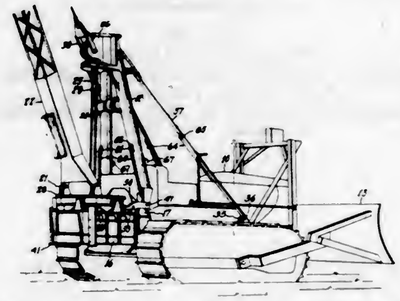
1. A glass cutting device comprising a glass-supporting frame including a base rack and a frame element extending laterally therefrom, said base rack and said frame element each having at least one glass-supporting edge, said edges lying in a plane; a glass-clamping member mounted on said frame for limited movement toward and away from said frame element, said mounting including means having parallel slots and including pins slidable in said slots whereby said mounting holds said member parallel to said frame element substantially throughout such movement, said mounting also causing said clamping member to be urged toward said frame element and including means for releasably holding said clamping member in its full open position away from said frame element; and a breaking arm pivotally mounted on said frame for rotation about an axis parallel to said frame element.

2,595,863
MOUNTING FOR DRIVING UNITS ON MOTORBOATS
Alan G. Leofbourrow, Birmingham, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 7, 1949, Serial No. 103,412
6 Claims. (Cl. 115—34)



1. In a motor boat, a hull, a propeller shaft extending through said hull and having a propeller secured thereto on its outboard end, a propeller shaft supporting bracket depending from the exterior of said hull and having a bearing circumscribing said propeller shaft and mounted in said bracket for limited rocking movement relative to said bracket to accommodate rocking movement of said propeller shaft in said bracket with said bracket as the fulcrum, an engine mounted in said hull and having a driving shaft terminating in close proximity to the inboard end of said propeller shaft, a double universal joint means drivingly connecting said driving shaft and the inboard end of said propeller shaft, said universal joint means including means to accommodate limited radial displacement between adjacent ends of said driving shaft and said propeller shaft effected by rocking movement of said propeller shaft about said bracket as a fulcrum, a strut extending transversely of said propeller shaft intermediate said bracket and said universal joint means and having a bearing circumscribing said propeller shaft and operable to accommodate rotation of said propeller shaft relative to said strut, cooperating means carried by said bearing and said propeller shaft operable to transmit thrust longitudinally of said propeller shaft to said strut, and a resilient supporting structure mounting said strut on said hull and operable to transmit said longitudinal thrust to said hull and accomodate limited radial movement of said propeller shaft and strut relative to said hull.

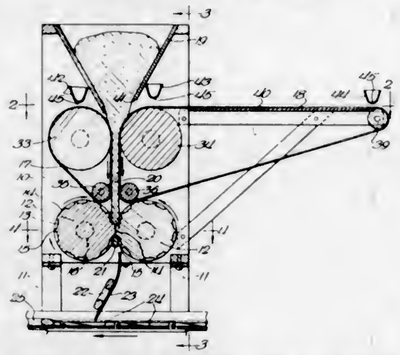
2,595,864
DEMOUNTING ARRANGEMENT FOR TRACTOR MOUNTED EQUIPMENT
Robert W. Lowry, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application September 27, 1948, Serial No. 51,423
13 Claims. (Cl. 212—59)



1. In tractor mounted equipment, a mast, a mast support on the tractor, a detachable connection between said mast and support, a hoist

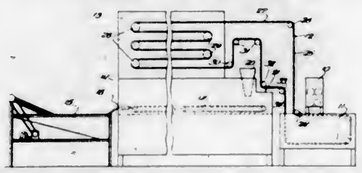
unit mounted on the tractor adjacent said mast support, and a mast support on said hoist unit connected with said mast for supporting said mast conjointly with said mast support on the tractor when said detachable connection is established and providing the entire support for said mast when said connection is detached.

2,595,865
DOUGHNUT FORMING MACHINE
Joseph C. Lunsford, Portland, Oreg., assignor to H. C. Rhodes, Portland, Oreg.
Application February 19, 1946, Serial No. 648,712
4 Claims. (Cl. 107—8)



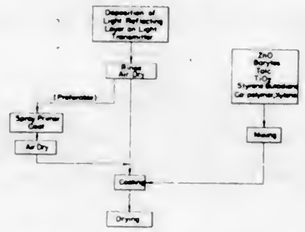
1. In a dough product forming machine, a pair of spaced parallel downwardly traveling belts for conveying dough in a sheet between the belts, a plurality of vertically spaced pairs of parallel horizontal rolls supporting said belts in said spaced parallel relation, the rolls of each pair being directly opposite each other on opposite sides of the dough sheet and belts to work the dough repeatedly as it is conveyed by the belts between the rolls of each pair in succession, said belts being trained around the uppermost rolls to converge downwardly into the nip of the rolls, a loose dough hopper having a sloping bottom wall with a bottom edge closely approaching the belt on one of said uppermost rolls to guide dough from the hopper into the nip of the uppermost rolls, a horizontal reach on the other belt for receiving sheeted dough, and a sloping bottom wall on said hopper opposite said first wall and having a bottom edge spaced above said other belt to allow sheeted dough on said horizontal reach to pass under said edge to enter the nip of the rolls.

2,595,866
DOUGHNUT MACHINE
Joseph C. Lunsford, Portland, Oreg., assignor to H. C. Rhodes, Portland, Oreg.
Application February 25, 1946, Serial No. 649,797
12 Claims. (Cl. 99—405)



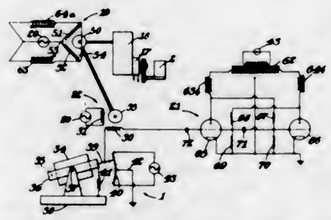
11. In a cooking machine, a conveyor comprising a pair of laterally spaced chains, horizontal rods interconnecting said chains at intervals, a pair of spaced pendant hanger arms pivotally mounted on each rod for free pivotal movement thereon, flat article trays pivotally mounted between said pairs of hanger arms, one tray under each rod, means on said hanger arms to support said trays in horizontal position when the hanger arms are hanging vertically from the chains, track rollers on said rods, and horizontal guide tracks for said rollers extending along said chains.

2,595,867
ORGANIC BACKING
Leslie D. McGraw, Charles L. Faust, and Ernest R. Mueller, Columbus, Ohio, assignors, by mesne assignments, to Ohio Plate Glass Company, Toledo, Ohio, a corporation of Ohio
Original application May 25, 1950, Serial No. 164,057. Divided and this application May 25, 1950, Serial No. 164,058
2 Claims. (Cl. 260—41.5)



1. A composition of matter, comprising from 13 to 33 parts by weight of zinc oxide, from 16 to 40.5 parts by weight of barytes, from 3.0 to 15.5 parts by weight of talc, from 6.0 to 11.5 parts by weight of titanium dioxide, from 25 to 32 parts by weight of styrene-butadiene co-polymer containing 70 to 75% styrene and xylene in an amount sufficient to give coating viscosity.

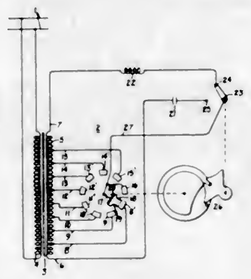
2,595,868
AUTOMATIC CONTROL SYSTEM
Frederick Roger Milsom, Boreham Wood, England, assignor to S. Smith & Sons (England) Limited, London, England, a British company, and Furzehill Laboratories Limited, Boreham Wood, England, a British company
Application May 5, 1948, Serial No. 25,183
In Great Britain May 5, 1947
11 Claims. (Cl. 318—489)



1. An automatic pilot control system for maintaining a control surface at a datum value comprising a device generating an electric signal in accordance with the rate of change of the position of the control surface, means for applying said signal to the input of an amplifier having two grid-controlled valves, means for varying

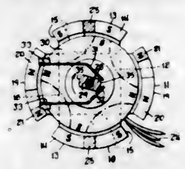
relatively the currents through said valves in accordance with said signal, a feed-back path from the output to the input of the amplifier, a delay condenser in said path charged in accordance with the difference in said currents and applying to the control-grids of said valves a differential bias increasing the difference in the currents therethrough, and means for controlling the position of the control surface in accordance with the difference of the valve currents to restore the position of the control surface to the datum value the delay characteristics of said condenser being such that with normal transient movement of the control surface said delay condenser charges too slowly to appreciably affect said amplifier and that long-term out of trim position of the control surface causes positive feed back in said feed back path increasing the gain of the amplifier and diminishing the required value of input signal whereby hunting is eliminated and deviation minimized.

2,595,869
PHASE MODIFIER
Salvatore Minneci, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 15, 1951, Serial No. 226,428
2 Claims. (Cl. 323—110)



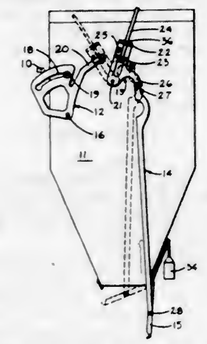
2. In combination, a transformer having a primary winding and a secondary winding, said secondary winding having a pair of end taps and N electrically equally spaced intermediate taps, a dial type tap changing switch comprising N plus one fixed contacts equally spaced around a circle and a movable contact pivotally mounted at the center of said circle for selective engagement with said fixed contacts, a two-position transfer switch having a common terminal and two main terminals which are respectively connected to said common terminal when said switch is in different positions, means for making a direct electrical connection between one of said fixed contacts, said movable contact and said common terminal, means for connecting in sequence each remaining fixed contact to a different intermediate tap, an inductor connected between one end tap of said secondary winding and one main terminal of said transfer switch, a capacitor connected between the other end tap of said secondary winding and the other main terminal of said transfer switch, means including a Geneva gear mechanism interconnecting said movable contact and said transfer switch for causing said transfer switch to move from one position to the other when said movable contact is moving across said one fixed contact, and means including a mid-tapped impedor for preventing said movable contact from disengaging any fixed contact until it engages an adjacent fixed contact.

2,595,870
SELF-STARTING DIRECT-CURRENT MOTOR
Peter H. Morganson, Winsted, Conn., assignor to The William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut
Application August 8, 1950, Serial No. 178,203
10 Claims. (Cl. 172—36)



1. A self-starting direct-current motor, including in combination: a rotor formed of permanent-magnet material and having on its periphery at least two poles of opposite polarities respectively; a field-structure having at least two pairs of pole-salients located adjacent the periphery of said rotor and constructed and arranged to impress magnetic flux thereon respectively of opposite instantaneous polarities, each of said pairs of pole-salients comprising a major pole-salient and a minor pole-salient spaced circumferentially from each other and said major and minor pole-salients follow each other alternately in circumferential direction, each of said major pole-salients having a circumferential dimension which exceeds the similar dimension of its adjacent companion minor pole-salient; an energizing-coil for said field-structure; and means including a commutator driven by said rotor to automatically reverse the direction of flow of direct current through said energizing-coil in such progressive angular positions of said rotor that said pairs of pole-salients apply unidirectional starting and driving torque to said rotor.

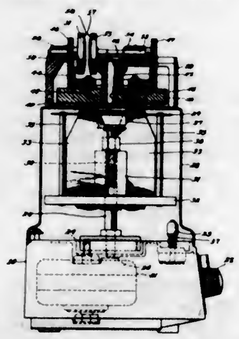
2,595,871
AUTOMATIC SCALE
Frank F. Morley, Wichita, Kans., assignor to Wichita Scale & Manufacturing Co., Inc., Wichita, Kans.
Application March 26, 1948, Serial No. 17,180
3 Claims. (Cl. 249—39)



1. The combination with a feed chute and mechanism for opening and closing it including a trip lever which is forced by the mechanism into a first position when the gate closes, and which initiates opening of the gate when the lever is moved into a second position, of: A weight hopper having a hinged door; means urging the

door toward a closed position; a bell crank pivotally mounted on the hopper for intersecting movement into and out of the path of travel of said trip lever; a rigid link having one end pivotally connected to one arm of said bell crank and the other end pivotally connected to the hopper door at a point spaced from its hinge; and a cam mounted on the hopper adjacent said bell crank and adapted to be moved thereby into and out of the path of travel of said trip lever; said bell crank and link together constituting the sole means for locking said hopper door closed, as well as means for moving said trip lever from its first position to its second position; said trip lever constituting means for contacting and initiating movement of said bell crank in a hopper door opening direction as the lever moves from its second position to its first position; and said cam constituting means for blocking movement of said trip lever from its first position to its second position.

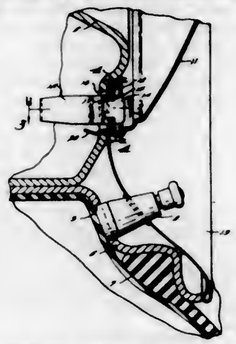
2,595,872
MAGNETIC POWER DEVICE
Willard L. Morrison, Jr., Akron, Ohio, assignor to Magnetic Power, Inc., Wilmington, Del., a corporation of Delaware
Application September 21, 1949, Serial No. 116,913
3 Claims. (Cl. 51—134.5)



1. In a magnetic power device, a magnetic power unit including a turning magnet, a magnet keeper turned by the magnet, means mounting the keeper for rotation, a ring gear on one side of the keeper coaxial with the keeper, a gear transverse to the ring gear and intermeshing with it, a shaft transverse the axis of the keeper mounting the transverse gear and a grinding wheel on the shaft.

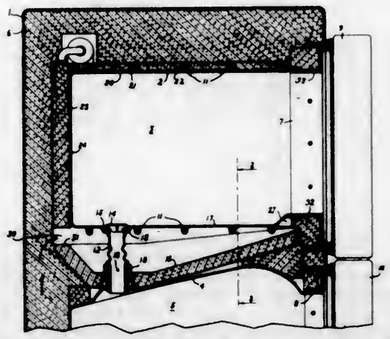
2,595,873
HUB CAP CLIP AND MOUNTING
William A. Mulhern, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 5, 1947, Serial No. 784,111
8 Claims. (Cl. 301—37)

1. In a vehicle wheel, the combination comprising a central circular wheel portion having a plurality of spaced apertures therein, an ornamental cap having a radially extending circular flange provided with spaced openings, said spaced openings in said flange being adapted to align with said apertures, a plurality of spring clip elements removably mounted in said openings of said flange and adapted to to be snapped into said apertures in said wheel portion, each of said clip elements comprising a contractable and expansible head portion inserted within one of said apertures of said wheel and having opposed shoulder elements engaged with correspondingly



opposed boundary portions of said aperture and a pair of opposed free end portions cooperatively expansively detachably secured to said ornamental cap.

2,595,874
INSULATION ARRANGEMENT FOR COMBINATION REFRIGERATORS
Harold A. Nason, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 11, 1951, Serial No. 205,497
4 Claims. (Cl. 62—103)



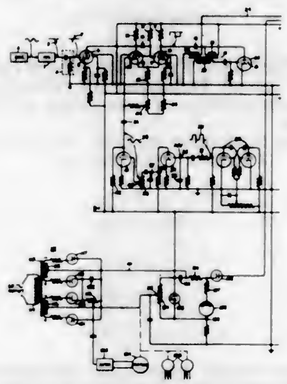
1. In a refrigerator including an outer wall, a first liner spaced from said outer wall and defining a frozen food compartment, a second liner spaced from said outer wall and defining a fresh food compartment, an insulating structure for said frozen food compartment which includes a plurality of blocks of moisture-impervious heat-insulating material disposed in contact with the exterior surfaces of the top, back and sides respectively of said first liner, the exterior surface of the bottom of said first liner being exposed for the collection of frost thereon, moisture-permeable heat-insulating material between said moisture-impervious material and said outer wall, means for cooling said first liner to maintain said first liner at a temperature substantially below the freezing point of water and substantially below the temperature of said second liner, and a water - collecting receptacle positioned below said first liner for collecting defrost water dripping from said first liner, said receptacle being spaced from said first liner to afford a passage for moisture from the space between said second liner and said outer wall to the bottom of said first liner.

2,595,875
MULTIPLE ROTOR HELICOPTER CONTROL
John Sidney Neale, Hendon, London, England, assignor to Pennine Aircraft Limited, Manchester, England, a British company
Application March 11, 1949, Serial No. 80,977
In Great Britain January 4, 1949
4 Claims. (Cl. 170—135.2)

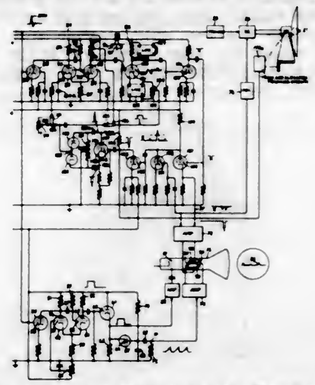


1. A helicopter having at least one pair of rotors arranged at a distance apart which is less than the rotor diameter with the line joining the centres of the rotor discs substantially at right angles to the normal line of flight, so that the blades which in normal translation are the retracting blades sweep out areas which overlap, and a torsional balance pitch control system for obtaining cyclic pitch changes, whereby the blades of each rotor are interconnected to transmit pitch changing torques from one blade to another, each blade having the axis for pitch change nearer to the leading edge than the centre of pressure axis and diverging from the centre of pressure axis towards the blade tip, whereby the lift of the retreating blades is reduced and substantial increase in airflow through the double swept area is avoided.

2,595,876
RADIO PULSE-ECHO LOCATING EQUIPMENT
Donald E. Norgaard, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 2, 1944, Serial No. 520,724
20 Claims. (Cl. 343—7)

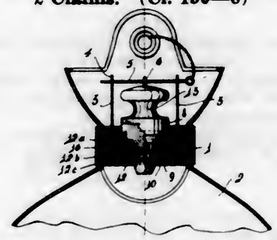


1. In locating equipment of the type wherein recurrent energy pulses are transmitted and the range of remote objects is determined from the time intervals required for corresponding reflected pulses to return therefrom, means for transmitting pulses of wave energy at an instantaneously varying but constant average rate, a range delay multivibrator synchronized by the transmitted pulses and having a delay adjustable to coincidence with reflected pulses from a remote object having a particular range, a bridge circuit including a condenser and a potentiometer for balancing the condenser voltage, means to charge said condenser to a voltage determined by the range delay interval, a modulator for producing an alternating voltage having alternate peaks proportional to said condenser and said potentiometer voltage, and means responsive to said alternating voltage for adjusting said potentiometer in the



direction to reduce said voltage whereby the potentiometer adjustment corresponds to the particular range of said remote object as a percentage of the average interval between transmitted pulses.

2,595,877
CLOSURE
Néstor F. Otaño, Buenos Aires, Argentina
Application July 25, 1950, Serial No. 175,697
In Argentina August 25, 1949
2 Claims. (Cl. 150—8)

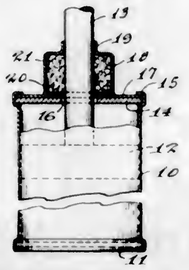


1. In a closure device for a container, such as a hot water bottle, a female member adapted to be secured to the mouth of said container, said female member having an inwardly tapered cavity, a stopper to be fittingly inserted into said cavity, the cavity wall of said female member having a plurality of uniform, annular, successive step-shaped shoulders, of which the diameter progressively decreases from the top to the bottom shoulder, V-shaped endless grooves in each shoulder, said stopper being provided at the outside with uniform, annular successive step-shaped recesses conforming in shape and number to said shoulders and with V-shaped projections corresponding to said V-shaped grooves, whereby a tight fit is effected upon insertion of said stopper into said female member.

2,595,878
SEALING DEVICE FOR PISTON AND CYLINDER ASSEMBLIES
John B. Parsons, Toledo, Ohio
Application July 3, 1948, Serial No. 36,977
4 Claims. (Cl. 309—1)

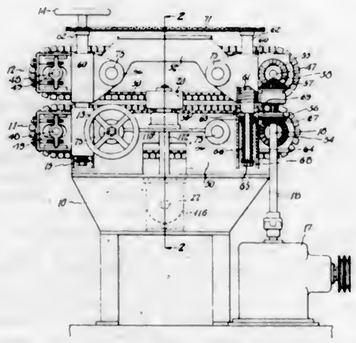
1. Valve seal device for piston and cylinder assemblies in which the piston rod reciprocates

through a closed end of the cylinder, said device comprising a relatively rigid disc member at one end of the cylinder and through which the piston rod reciprocates, a centrally apertured rubber-like washer abutting the outer side of said member and sealingly embracing the rod, a cap at one side of the washer-like member and apertured to accommodate the rod, said washer and cup defining a space for the escape of fluids around the periphery of the washer, and compressible



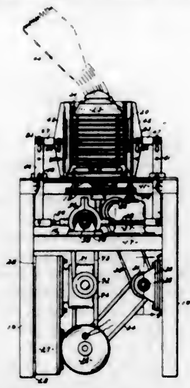
porous material within said cup for embracing the rod and yieldingly holding the washer against the disc member whereby movement of the piston toward said washer generates pressure slightly to shift the washer against the compressible material and allow escape of fluid from the cylinder and movement of the piston in the opposite direction creates a partial vacuum within the cylinder to hold the washer tightly against the member and militate against the ingress of fluid to the cylinder.

2,595,879
FEEDING MEANS FOR VARIABLE WIDTH EDGE JOINTERS
Michel Pasquier, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon
Application October 14, 1946, Serial No. 703,257
8 Claims. (Cl. 144—245)



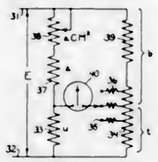
1. In a wood veneer edge jointer, a variable width conveyor, and a plurality of stock engaging pads substantially uniformly distributed laterally and longitudinally on said conveyor in all width adjustments of the conveyor to interfit to form a substantially continuous supporting surface in a minimum width adjustment and to separate upon expansion of said conveyor to provide substantially uniformly distributed supporting areas.

2,595,880
APPARATUS FOR COMPACTING A REFRACTORY MEDIUM IN A BUNG OF CHINAWARE
Richard Henry Pass, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application December 18, 1950, Serial No. 201,407
8 Claims. (Cl. 259—72)



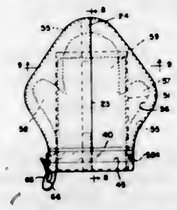
1. Apparatus for compacting a loose refractory clay between the rims of pieces of green chinaware arranged in a bung comprising a suitable frame, a support for a bung of ware journalled in the frame for rotation about a vertical axis, a casing encircling said bung in spaced relation thereto to receive a quantity of said refractory clay between said bung and said casing, means operable to effect reciprocation of opposite side portions of said casing radially toward and from said bung, and means operable to effect relative rotation between said support and said casing during such reciprocation.

2,595,881
COMPENSATED THERMOMETER
John B. Peterson, Bethesda, Md.; Ruth L. Peterson administratrix of said John B. Peterson, deceased
Application September 25, 1946, Serial No. 699,273
2 Claims. (Cl. 73—34.5)



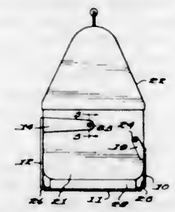
1. In an electric resistance thermometer operable to indicate the true temperature of a gas moving relatively thereto at any speed, a source of electric current; a Wheatstone bridge circuit connected to said source including a first branch and a second branch in series; said first branch including a temperature sensitive resistance element the resistance of which varies with the temperature; said second branch including a rheostat; a static pressure responsive element; a Pitot-static differential pressure responsive element interconnected with said static pressure responsive element and the contactor of said rheostat to control the resistance of said rheostat in accordance with the static pressure and the Pitot-static pressure of the relatively moving gas; variable resistance means in another branch of said bridge circuit; means connected in said bridge circuit between said variable resistance and the juncture of said first and second branch to indicate a state of unbalance in the bridge circuit; and true temperature indicating means cooperating with at least one of said two last mentioned means.

2,595,882
BATH MITT
Vera Pierce, Dearborn, Mich.
Application November 25, 1946, Serial No. 712,111
5 Claims. (Cl. 15—122)



3. A bath mitt comprising front and back fabric pieces, a soap pocket in said mitt comprising a third piece of fabric attached along three sides to the inner side of said front piece leaving one edge free, said pocket being open along one side to form an opening into said mitt, and means for closing said pocket comprising a strip of fabric secured along the free edge of said third piece of fabric, said strip extending outside said mitt and being turned over the outer surface of said front piece and secured at its ends to said mitt at the sides of said opening, said front piece having a longitudinal fold of material overlying said pocket sewed together at its ends but unsewed in its central portion to afford fullness to said pocket.

2,595,883
FOLDING LUNCH BOX TABLE
Paul K. Raasch, Medina, Ohio
Application June 28, 1950, Serial No. 170,813
2 Claims. (Cl. 312—282)



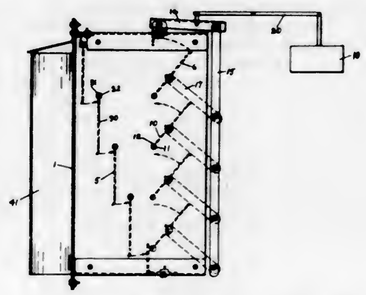
1. A lunchbox table comprising a lunchbox having a rectangular shaped base with side and end walls and having a bottom, a short end panel positioned against one side of the lunchbox, means pivotally attaching one end of the panel to the lunchbox, an intermediate panel positioned against the bottom of the lunchbox and hinged to the said end panel, a box like casing positioned on the under surface of the said intermediate panel, spring fingers extended from one side of the casing across the lower part thereof, a long end panel hinged to the opposite side of said intermediate panel, positioned against the opposite side of the lunchbox and having legs extended therefrom and positioned against the opposite ends of the lunchbox with the table in the folded position, said legs having nodes on the inner surfaces and the ends of said lunchbox having indentations positioned to receive the said nodes for temporarily retaining the table folded against the surfaces of the lunchbox.

2,595,884
CUTTING CHAIN FOR SAWS
Anthony Brendan Reid, Lansdowne, Ontario, Canada
Application February 12, 1949, Serial No. 76,159
4 Claims. (Cl. 143—135)



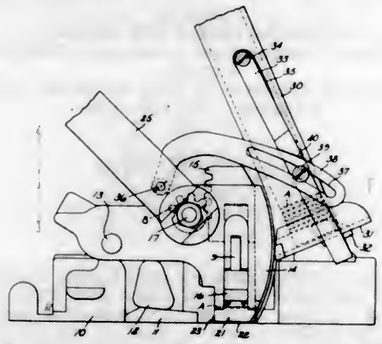
1. In a cutting chain for saws having a plurality of successive series of links, said links each having a planar body portion, a leading portion lying in a plane laterally offset in one direction from the plane of the body portion, and a trailing portion lying in a plane laterally offset in another direction from the plane of the body portion, said body, leading, and trailing portions lying in common planes respectively, the leading portion of each link lying in overlapping abutting relating with the trailing portion of the next succeeding link, said overlapping portions being pivotally connected together, at least one link of each series having a tooth integrally carried by one of its said leading or trailing portions.

2,595,885
VENTILATION
Raymond L. Rhoades, Barberton, Ohio
Application June 12, 1947, Serial No. 754,120
5 Claims. (Cl. 98—37)



1. A ventilator in a poultry house with a passage for the movement of air in and out of the same, louvers in the passage adapted to control the movement of air in the passage for temperature control purposes; other louvers located in the air passage and adapted to prevent the movement of air into the passage when closed, each of which other louvers is pivotally hung with the pivots spaced less than the width of the respective louvers, with each louver offset inwardly with respect to the louver next above it, whereby as wind blows inwardly into the passage the louvers are closed and on the cessation of blowing the louvers open so as to permit the passage of air between them, and means on the outside of the ventilator for directing air thereinto.

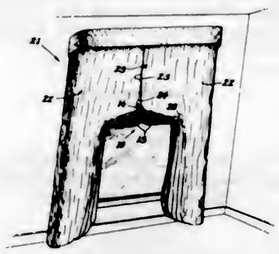
2,595,886
BOX STRAPPING TOOL
Leland D. Rich, Kensington, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application April 23, 1947, Serial No. 743,408
6 Claims. (Cl. 81—9.1)



3. In a box strapping tool of the type having a frame, a housing on the frame movable into and out of operative position with respect to the portions of a strap to be sealed, sealing jaws carried by the housing for deforming a seal about said portions of the strap when the housing is in operative position, an operating arm pivotally mounted on the housing and pivotal from a first position to a second position to move the housing into operative position and to actuate said sealing jaws in sequence, a magazine mounted on the frame and arranged to support seal members for successive alignment with the sealing jaws when the housing is in inoperative position, means including a feeding arm mounted for movement in opposite directions between a first position to engage a seal member in the magazine and a second position to insert the seal member into the sealing jaws, and spring means for moving said feeding arm into its said second position, the combination comprising connecting means between said arms including a connecting link pivotally mounted on one of said arms and means forming a lost motion connection between the link and the other of said arms for moving the feeding arm to its said first position only at the completion of movement of the operating arm to its said second position, and means on one of the arms engageable with the connecting means to prevent movement of the feeding arm to its said first position except when the operating arm is in its second position.

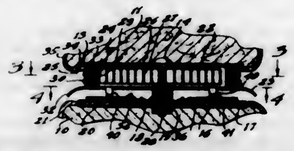
2,595,887
DRAPE SEPARATING HANGER
Lloyd L. Ringler, Crawfordsville, Ind.
Application July 16, 1951, Serial No. 236,889
6 Claims. (Cl. 160—123)

1. A drape-spreading hanger symmetrical on opposite sides of a median plane and comprising two levers pivotally joined for relative movement about an axis lying in said median plane, each lever having a first portion lying in a plane substantially normal to said pivotal axis of said levers, and said first lever portions extending oppositely outwardly from said median plane, and a second portion lying on the side of said median plane opposite from said first portion and projecting from the plane of said first portion, said second portion of each of said levers being in substantially parallel juxtaposition with the corresponding portion of the other lever, and a saddle element for each lever carried at the outer



end of said first portion and projecting in opposite directions away from the plane of its lever portion.

2,595,888
TOY WITH WINDABLE HEAD FOR ROTATION
Samuel H. Rosenthal, New York, N. Y.
Application August 2, 1950, Serial No. 177,172
1 Claim. (Cl. 46—118)

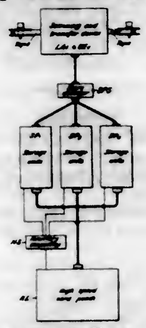


In a toy figure, a body having a head and a torso, superposed plate members secured to the upper end of said torso, a stud affixed to said plates and projecting upwardly therefrom, a housing mounted for rotation on said stud and to which housing the head is affixed for turning movement with the housing, a torsion spring located in said housing and affixed at its inner end to said stud and at the outer end to said housing, said housing having a peripheral wall and side walls extending outwardly beyond said peripheral wall to provide an annular peripheral recess, a cord affixed at one end to said housing and adapted to be wound on the peripheral wall within said recess for turning said housing to thereby tension said spring by the pulling of the cord outwardly so as to unwind the cord therefrom and to wind the spring whereby the spring will function to rotate the head and to again wind the cord on the housing when the cord is released, said housing having depending projections and the uppermost of said plates having tines affixed thereto so as to project above the upper surface thereof and adapted to be engaged by said projections when the housing is rotated to thereby cause said tines to emit sound.

2,595,889
PERFORATED-TAPE CONTROL OF HIGH-SPEED TABULATING-CARD PUNCHES
Albert Ryffel and Carl Paul Rohsteiner, Zurich, Switzerland, assignors to International Business Machines Corporation, New York, N. Y.
Application October 24, 1945, Serial No. 624,266
In Switzerland June 22, 1945
7 Claims. (Cl. 164—115)

1. Apparatus adapted to be controlled by a record tape bearing combinational code representations of data arranged in columns extending transversely of the tape, with each column

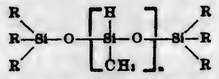
containing an individual character representation, for recording such data on a record card having columns of index point positions at which data representations may be recorded selectively according to a statistical code differing from said combinational code, and with each character of the data being recorded in an individual column of the card, such apparatus comprising tape scanning means for successively sensing the transverse columns of data representations on the tape so that the characters of data are sensed in sequence a whole character at a time, storage means containing storage devices arranged in sets corresponding respectively to the columns of the record card, with the individual storage devices of each set corresponding respectively to the various index point positions in each card column, transfer means for transferring the data sensed by said scanning means to said storage means,



said transfer means including means for converting the combinational code representation of each character into the corresponding statistical code representation of said character and means for causing said sets of storage devices to be activated in sequence for storing column-by-column in statistical code form the data representations sensed by said scanning means, a row of recording elements arranged to record data representations concurrently in a line of corresponding index point positions extending across the various columns of the record card, and control devices operating in timed relationship with each other for causing the lines of corresponding index point positions on the card to be presented successively to said recording elements and for placing said recording elements successively under the control of the storage devices respectively corresponding to the index point positions in such lines.

2,595,890
LINEAR METHYL SILOXANES HAVING HYDROGEN DIRECTLY LINKED TO SILICON
Robert O. Sauer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 21, 1946, Serial No. 656,163
13 Claims. (Cl. 260—448.2)

1. A linear polysiloxane corresponding to the general formula



where each R represents a monovalent hydrocarbon radical selected from the class consisting of alkyl and aryl radicals, and n represents an integer which is at least 1 and not more than 4.

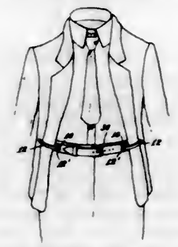
2,595,891
CYCLOPOLYSILOXANES
Robert O. Sauer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 21, 1946, Serial No. 656,164
4 Claims. (Cl. 260—448.2)

1. A cyclopolysiloxane corresponding to the general formula $(CH_3SiHO)_n$, where n represents an integer which is at least 4 and not more than 6.

2,595,892
ALKALI METAL ALKYLTOLUENE SULFONATES AS EMULSIFYING AGENTS IN LOW TEMPERATURE EMULSION POLYMERIZATION PROCESSES
Walter A. Schulze and Willis W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 9, 1948, Serial No. 64,426
10 Claims. (Cl. 260—83.7)

1. In the production of a synthetic rubber by copolymerizing in an aqueous emulsion in the presence of an emulsifying agent a monomeric material comprising 65 to 90 per cent by weight 1,3-butadiene and the remainder styrene, the aqueous medium of said emulsion comprising an organic alcohol as antifreeze agent, the improvement which comprises effecting said polymerization at a temperature between —30 and 0° C. in the presence of a sodium monoalkyl toluene sulfonate having nine to twenty-three carbon atoms in said monoalkyl group and free from coproduct materials comprising alkali metal sulfates and unsulfonated oils, as said emulsifying agent, in an amount between two and eight parts by weight per 100 parts of said monomeric material with a ratio of aqueous medium to monomeric material between 1.5:1 and 2.75:1 by weight.

2,595,893
BELT WITH GARMENT HOLDING CLAMPS
Charles K. Seid, Woodmere, N. Y.
Application December 1, 1948, Serial No. 62,856
3 Claims. (Cl. 2—312)



1. A belt having the usual buckle and free ends, in combination with a pair of clasps fixed thereto in spaced relation from said ends respectively, each of said clasps comprising an elongated base, a link hinged at its inner end to the base adjacent the forward end thereof, a clasping tongue hinged to the outer end of said link and extending rearwardly therefrom to clasp the forward edges of a coat, a spring interposed between said link and said tongue and coiled around the hinged connection of the link and tongue, and a flat spring attached at one end to said base and its other end engaging under the inner end of said link.

2,595,894

INSOLE HAVING SEPARATE ATTACHED SEWING RIBS

Victor A. Sherbrook, Upton, Mass., assignor to Milford Shoe Co., Milford, Mass., a corporation of Massachusetts

Original application April 6, 1948, Serial No. 19,379. Divided and this application November 28, 1949, Serial No. 129,788

3 Claims. (Cl. 36—22)



1. An insole for welt shoes comprising a body having a featherless forepart, a pair of spaced channel shaped ribs adjacent the outer edges of the body only at the shank portion thereof, and an upstanding folded over fabric rib rising from the extreme edge of the body and extending from the shank portion about the forepart of the insole and connected at its ends to the respective channel ribs, the body being thinner and more flexible within the general area bounded by the fabric rib forward of the shank area than throughout the remainder of the insole.

2,595,895

METHOD OF MAKING INSOLES HAVING ATTACHED TAPE RIBS

Victor A. Sherbrook, Upton, Mass.

Application October 4, 1950, Serial No. 188,446

3 Claims. (Cl. 12—146)



1. Method of making insoles comprising the steps of making a blank smaller in area at the forepart than the sole area of the corresponding last, securing a tape to the blank from approximately the heel breast location in the shank, about the forepart at the edge thereof, and back through the shank area to the heel breast line, securing a short length of tape at each edge at the shank adjacent the first tape, and securing the tapes together in upstanding condition to form an inseaming rib heavier at the shank than in the forepart.

2,595,896

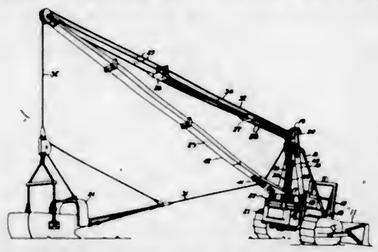
CRANE BOOM ASSEMBLY

Robert C. Shoemaker, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon

Application November 1, 1945, Serial No. 626,114

14 Claims. (Cl. 212—144)

1. In a boom and transmission assembly for a crane with a stationary mast, a hoist unit adapted for mounting at the side of the mast on the rear of a tractor in association with a power take-off gear, winches in said hoist unit receiving cables from a masthead fair-lead and adapted to be driven by said power take-off gear,



a bull wheel mounted on rollers on the top of said hoist unit, a boom pivotally mounted on said bull wheel, and means driven by said power take-off gear for rotating said bull wheel.

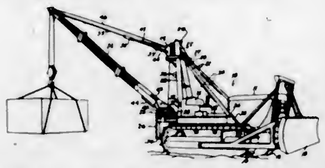
2,595,897

TRACTOR MOUNTED CRANE

Robert C. Shoemaker, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon

Application November 1, 1945, Serial No. 626,115

16 Claims. (Cl. 212—59)



1. A tractor mounted mast and boom assembly comprising mounting means on said tractor, a stationary mast detachably mounted on said means, a hoist unit detachably mounted on said means, means for pivotally and rotatably mounting a boom on said hoist unit, a central cable opening in said boom mounting means, a boom removably mounted on said boom mounting means, a masthead fair-lead on said mast in approximate vertical alignment above said cable opening and rotatable independently of said mast and boom, and hoist and boom suspension lines leading from said hoist unit through said cable opening to said fair-lead.

2,595,898

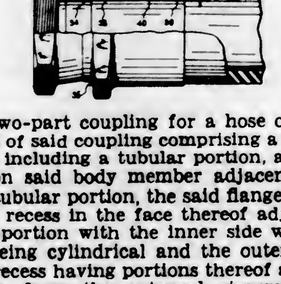
FILM DEVELOPING REEL

Frederick M. Siedenburg, Richmond Hill, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application February 7, 1948, Serial No. 6,938

7 Claims. (Cl. 242—77)

1. A spool for developing tanks accommodating a length of film comprising a pair of disk members adjustably disposed on a common axis, at selected distances from each other, at least one of said disks being rotatable relative to the other, for a predetermined angular displacement, a continuous groove forming a spiral guide having walls extending parallel said axis on the inner face of each of said disks for guiding the edges of the film inserted therein, said groove terminating near the center of each disk and starting at the outer periphery thereof, self-actuating detent means in each one of said disks for pressing the edge of the film inserted in said groove against said wall upon rotation of said disk in one direction and releasing the film upon rotation in



the other direction whereby the film inserted in the grooves between said disks is forced into said spiral guide upon successive relative rotary displacement of said disks.

2,595,899

PREPARATION OF MONOCHLOROACETIC ACID

Joseph A. Sonia, Niagara Falls, and Carson E. Lisman, Lewiston, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application October 13, 1949, Serial No. 121,235

5 Claims. (Cl. 260—539)

1. In a method of preparing an acetic acid reactant for use in the manufacture of monochloroacetic acid, the step of: introducing chlorine into a mixture maintained at a temperature of about 25 degrees centigrade under a superatmospheric pressure of at least ten pounds per square inch, said mixture consisting of a phosphorous chloride and acetic acid, said phosphorous chloride being present in amount between about five and about twelve percent of the quantity of acetic acid present.

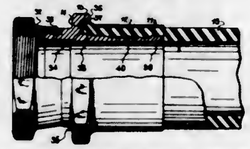
2,595,900

HOSE COUPLING

Joseph Soos, Cleveland, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio

Application October 14, 1948, Serial No. 54,558

7 Claims. (Cl. 285—84)



1. A two-part coupling for a hose or the like, one part of said coupling comprising a main body member including a tubular portion, an external flange on said body member adjacent one end of said tubular portion, the said flange having an annular recess in the face thereof adjacent said tubular portion with the inner side wall of said recess being cylindrical and the outer side wall of said recess having portions thereof at different distances from the external circumference of said tubular portion with the greatest distance between said outer side wall and tubular portion being adjacent the base of said recess, the bore of said tubular portion having a surface underlying said recess adapted to be engaged by a tool inserted in said bore for expansion of the said tubular portion, the other part of said coupling comprising a sleeve provided with an inturned flange adjacent one end thereof, the said sleeve being adapted to have its flanged end inserted in the said recess with the inner circumference of said sleeve flange having a sliding fit on the cylindrical side wall of the recess thereby providing an annular space between said sleeve and the outer circumference of the tubular portion of said body member for the reception of a hose or the like to be coupled, whereby expansion of said tubular portion of the body member underlying said recess causes the said sleeve flange to move substantially radially outwardly deforming the sleeve within said recess thereby providing a region of said sleeve in the recess of greater diameter than the size of the opening into said recess so that the sleeve is locked to the said body member, the said expansion of the tubular portion also securing the said sleeve and said tubular portion of the body member to a hose or the like positioned therebetween.

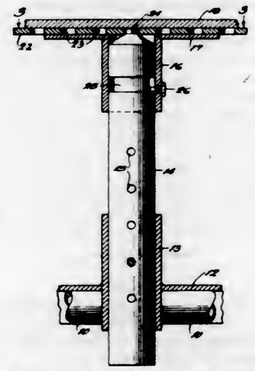
2,595,901

ADJUSTABLE CHAIR CONSTRUCTION

Robert H. Sperring, Oak Park, Ill., assignor to N. T. Shepherd Chair Company, Salt Lake City, Utah, a corporation of Utah

Application February 16, 1951, Serial No. 211,384

9 Claims. (Cl. 155—157)



1. A chair comprising a base, a supporting post extending upward from the base, a sleeve fitting slidably over the upper end of the post, a guide member carried by the sleeve, and a supporting member slidably carried by the guide member, and formed with a series of spaced recesses therein, the upper end of the post being formed to fit into the recesses to hold the supporting member against sliding.

2,595,902

SPINNER ELEVATOR FOR PIPE

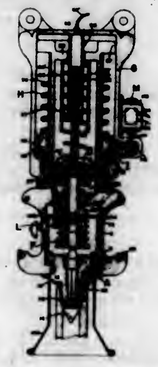
Albert L. Stone, Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application December 23, 1948, Serial No. 66,966

3 Claims. (Cl. 255—35)

1. A pipe elevator and spinner for suspending and spinning a section of pipe having its end terminating in a spiral screw thread comprising, in combination, a housing adapted to be suspended from a traveling block, a pipe engaging assembly suspended therefrom for rotation with respect thereto and including a body, a chuck assembly

carried by the lower end of the body including a plurality of jaw members mounted for radial movement outwardly from a retracted position to an extended position, said jaw members defining at least a major portion of a screw thread adapted to mate with the screw thread of said pipe when the jaw members are in their extended position, and means in contact with the jaw members for holding them in the retracted position, an indexing member carried by said jaw members for indexing the screw thread defined by said jaw members with the screw thread of



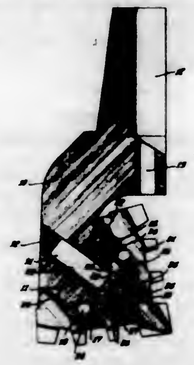
said pipe, a slidable mandrel carried by the body in contact with each of said jaw members and adapted to assume an upper position with the jaw members in their retracted position and movable downwardly from its upper position to a lower position to move said jaw members radially outwardly to their extended position, means operatively connected with the mandrel for moving the mandrel from its upper position to its lower position and vice versa, a prime mover mounted on said housing and means including said body interconnected between said prime mover and said chuck assembly for rotating the latter.

2,595,903
ROCK BIT RADIAL BEARING
Kenneth H. Swart, Whittier, Calif., assignor to Security Engineering Co., Inc., Whittier, Calif., a corporation of California
Application April 3, 1948, Serial No. 18,800
2 Claims. (Cl. 308—8.2)



1. A rock bit comprising a shank having a journal, a journal pin extending through the journal so as to project inwardly therefrom, hard metal recessed in the projecting portion of the journal pin, a cutter enclosing the projecting portion of the journal pin and the journal, a bushing recessed in the cutter and presenting a hard metal surface opposed to the hard metal on the journal pin and cooperating therewith to form an inner friction type radial bearing, bushings on the journal and on the interior of the cutter, said bushings presenting hard metal opposed surfaces and cooperating to form an outer friction type radial bearing, and a thrust bearing between the radial bearings.

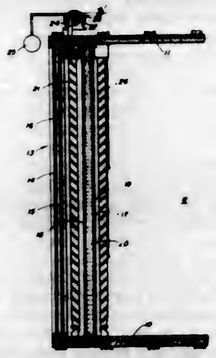
2,595,904
TRICONE ROCK BIT
Kenneth H. Swart, Whittier, Calif., assignor to Security Engineering Co., Inc., Whittier, Calif., a corporation of California
Application May 6, 1948, Serial No. 25,455
1 Claim. (Cl. 308—8.2)



A rock bit comprising a shank having a journal presenting an outer portion of maximum diameter, an intermediate portion of intermediate diameter, and an inner portion of minimum diameter, a cutter rotatable on the journal and enclosing the same, the outer and inner portions of the journal presenting annular surfaces of welded-on hard metal forming elements of outer and inner radial friction type bearings, a bushing in the cutter presenting an inner annular surface of hard metal opposed to the surface of the inner portion of the journal forming the other element of the inner radial bearing, the cutter having an annular layer of hard metal welded onto the interior thereof adjacent its outer end so as to be disposed opposite the hard metal on the outer end of the journal to form the other element of the outer radial bearing, ball races formed on the intermediate portion of the journal and on the cutter opposite thereto, and balls insertable through the journal between the ball races forming a thrust bearing between the radial bearings.

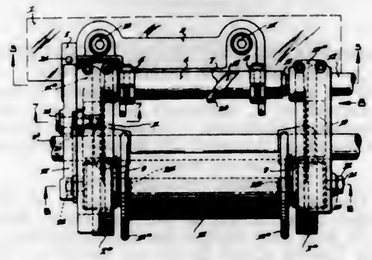
2,595,905
RADIANT ENERGY HEAT TRANSFER DEVICE
Maria Telkes, Boston, Mass.
Application August 29, 1946, Serial No. 693,787
3 Claims. (Cl. 126—270)

1. Wall construction for a building comprising an outer panel transmitting a substantial range of solar radiation, and an inner panel spaced from said outer panel comprising a hollow cell having an extended surface adapted to absorb a substantial range of solar radiation facing said outer panel and positioned to intercept radiation transmitted thereby and a second extended surface facing inwardly of the building and positioned to dissipate heat thereinto, and a material in said cell having a substantial heat of fusion



and a melting point in the temperature range from about 50° F. to about 150° F.

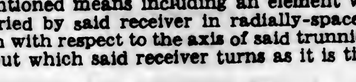
2,595,906
SPOOL MOUNTING AND OPERATING MEANS
Pacific J. Thomas, Wyoming, Pa., assignor to U. S. Textile Machine Company, Scranton, Pa., a corporation of Pennsylvania
Application February 15, 1949, Serial No. 76,627
19 Claims. (Cl. 242—130)



1. A device of the character described comprising, a base, a telescopically lengthwise extensible and contractable multi-section member pivotally mounted on said base with its members concentrically arranged to the pivotal mounting so that rotational movement of the member will effect axial shifting of one of the member sections relative to the other, spool-end supporting means arranged on each of the member sections in opposed spool receiving relation, locking means arranged to positively maintain the multi-section member in a predetermined rotational position and a latch pivotally mounted and movable with said spool end supporting means for engagement and disengagement of said locking means.

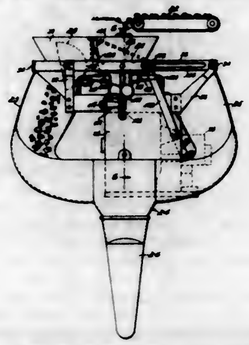
2,595,907
POLYMERIZABLE AND POLYMERIZED ACRYLONITRILE - DIALKYLAMINOPROPYLACRYLAMIDE COMPOSITIONS
Walter M. Thomas, Springdale, and John A. Price, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 30, 1950, Serial No. 203,799
8 Claims. (Cl. 260—85.5)

1. A polymerizable composition comprising (1) a compound represented by the general formula



where R and R' each represents an alkyl radical containing from one to six carbon atoms, inclusive, and (2) acrylonitrile, the compound of (1) constituting from about 0.5% to about 15% by weight of the total amount of (1) and (2).

2,595,908
AUTOMATIC WEIGHING MACHINE
Glen M. Tracy, Durham, N. C., assignor to Wright Machinery Company, Durham, N. C., a corporation of North Carolina
Application April 3, 1946, Serial No. 659,263
19 Claims. (Cl. 249—28)

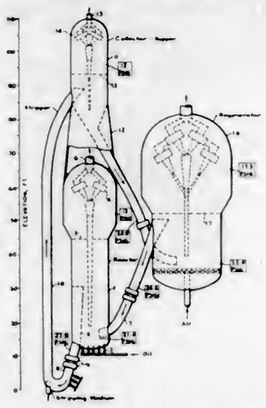


1. A machine of the character described including a weigher, a receiver having opposed trunnions defining an axis and by which it is adapted to be supported on trunnion receiving means on said weigher, means engageable with said trunnions for automatically lifting said trunnions and said receiver free of said trunnion receiving means on said weigher in response to the making of a predetermined weight in said receiver and for then supporting and moving it laterally of said axis to a discharging position, and means for tipping said receiver on said trunnions as it approaches said discharging position, said last-mentioned means including an element which is carried by said receiver in radially-spaced relation with respect to the axis of said trunnions and about which said receiver turns as it is tipped.

2,595,909
METHOD AND APPARATUS FOR TREATING HYDROCARBON OILS
Richard P. Trainer, Amityville, N. Y., and Lawson E. Border, Westwood, N. J., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 5, 1949, Serial No. 131,102
3 Claims. (Cl. 196—52)

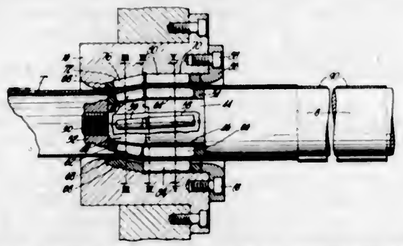
1. The method for the treatment of a hydrocarbon liquid oil with a powdered catalyst, which comprises injecting the liquid oil to be treated directly into the lower portion of a pseudo liquid bed of the catalyst in a reaction zone maintained under reaction conditions of temperature and under a positive intermediate pressure (*a*), withdrawing spent catalyst from said bed of pseudo liquid catalyst at a point above the level of said introduction of said oil and decreasing the pressure thereon to a lower pressure (*b*), suspending

the thus-withdrawn spent catalyst at said pressure (*b*) as a dilute suspension in a stream of stripping gas and passing the spent catalyst thus suspended in said stripping gas substantially vertically and concurrently through an elongated stripping zone to a separating and collecting zone at a higher elevation than said reaction zone, separating catalyst from the stripping gas in said separating and collecting zone and collecting the separated catalyst as a pseudo liquid bed in said zone, passing said pseudo liquid catalyst from said separating and collecting zone as a dense confined stream by gravity into the lower portion of a bed of pseudo liquid catalyst in a separate regenera-



tion zone maintained at a higher pressure (*c*), and at an elevation intermediate of said separating and collecting zone and said reaction zone, withdrawing pseudo liquid catalyst from said bed of catalyst in said regeneration zone at a point above the level of introduction of said catalyst from said separating and collecting zone, decreasing the pressure on said last-mentioned withdrawn catalyst and passing the same after decreasing the pressure as a dense confined stream by gravity into said reaction zone at said intermediate pressure (*a*) at a point below the aforesaid point of withdrawing spent catalyst from the bed of pseudo liquid catalyst in said reaction zone.

2,595,910
ROLLING MILL
Henry J. Wallace, Scarsdale, N. Y., assignor to United States Steel Company, a corporation of New Jersey
Application November 19, 1945, Serial No. 629,519
2 Claims. (Cl. 80—12)



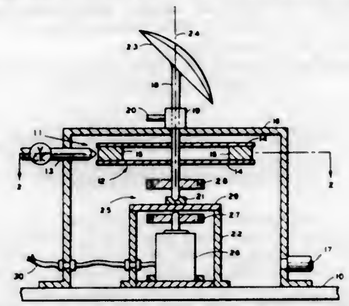
1. A rolling mill for removing eccentricity from a tube comprising a rotary mandrel, a set of short rolls mounted around the periphery of said mandrel with their axes arranged in a substantially conical pattern, a set of long rolls mounted around the periphery of said mandrel adjacent said first set of rolls with their axis arranged in a substantially cylindrical pattern, a rotary housing surrounding said mandrel, a set of short rolls mounted in said housing and surrounding the first set of short rolls with their axes inclined in the same general direction as the first set to form a conical pass at the feed end of said rolling mill, a second set of long rolls mounted in said housing and surrounding the first set of long mandrel rolls with their axes substantially parallel to the axes thereof to form a substantially cylindrical pass at the exit end of said rolling mill, means for feeding a tube to the rolls, means for rotating the housing in one direction, and means for rotating the mandrel in the direction opposite to the housing, said cylindrical portion of said roll pass being adapted to receive a tubular guide piece having the uniform wall thickness desired in the finished tube to thereby center the rolls on the mandrel with respect to the rolls in the housing at the beginning of the rolling operation, the end of the finished tube forcing the guide piece from the roll pass with the finished portion of the tube thereafter keeping the mandrel centered, said cylindrical portion of the pass being of such greater length than said conical portion that the area of the finished tube in the cylindrical portion will resist the transverse force applied by the rolling operation in the conical pass caused by the eccentricity of the workpiece.

2,595,911
PARAFFIN WAX-STYRENE ISOBUTYLENE COPOLYMER COMPOSITION
David W. Young, Roselle, and William J. Sparks, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1944, Serial No. 570,484
2 Claims. (Cl. 260—28.5)

1. Composition comprising 97% to 99.75% of paraffin wax having a melting point between 110° F. and 195° F., having homogeneously dissolved therein 0.25% to 3% by weight of a high molecular weight solid styrene-isobutylene copolymer having a combined styrene content of about 2% by weight, and having an intrinsic viscosity of 0.6 to 3.0.

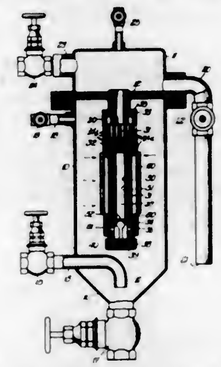
2,595,912
TURBINE ROTATED ANTENNA WITH ELECTROMAGNETIC ANSWER-BACK MEANS
Andrew Alford, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application April 9, 1946, Serial No. 660,603
5 Claims. (Cl. 250—33.65)

1. In a submersible radar antenna system for a submarine, a housing attached to the exterior of said submarine, a vertical shaft passing through the upper end of said housing, a parabolic reflector attached to the upper end of said vertical shaft, a hydraulic impulse wheel within said housing and attached to said vertical shaft, a nozzle positioned in said housing adjacent said impulse wheel to direct a fluid stream thereon from the water system of said submarine, a first permanent magnet attached to said vertical shaft, an electrical angular position transmitter within said housing coaxially with said vertical shaft, a second permanent magnet attached to said angular position transmitter and positioned adjacent said first permanent magnet, a sealed cover for said angular position transmitter and said second permanent magnet having a diamagnetic portion at least between said first and second permanent magnets whereby said impulse



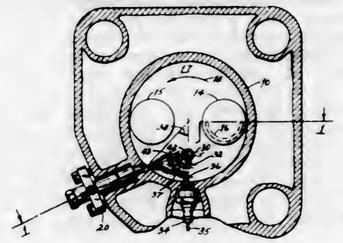
wheel drives said parabolic reflector and the position thereof is transmitted through said sealed cover to said angular position transmitter by said permanent magnets.

2,595,913
FILTER
Edgar W. Baily, Purley, England, assignor to Paterson Engineering Company, Ltd., London, England, a corporation of Great Britain
Application May 24, 1947, Serial No. 750,242
In Great Britain July 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 8, 1966
3 Claims. (Cl. 210—183)



1. A filter arranged for use with filter aid material and comprising a casing, a filter head on said casing, an inlet for liquid to be filtered into said casing, a filtered liquid outlet from said filter head, a filter element suspended from the filter head and interposed between said inlet for liquid to be filtered and said filtered liquid outlet, said element comprising a pervious outer filter bed support, an impervious open ended tube mounted within said support in spaced co-axial relationship thereto, a passageway connecting the space between said support and said tube with the interior of said tube at the lower end only of said tube, and an outlet from the upper end of the tube, a conduit leading from said filtered liquid outlet downwardly to an elevation below the lower end of said filter element, a normally closed gas inlet into said casing upstream of said filter element, and means for opening said gas inlet.

2,595,914
INTERNAL-COMBUSTION ENGINE
Everett M. Barber, Wappingers Falls, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 20, 1946, Serial No. 711,075
5 Claims. (Cl. 123—32)

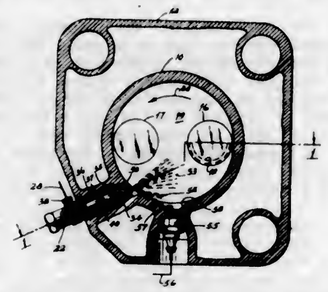


1. In the operation of an internal combustion engine, wherein fuel is injected into rapidly swirling compressed air at one side of a diameter of the cylinder combustion space toward the latter part of the compression stroke, the first increment of injected fuel is spark-ignited substantially as soon as combustible fuel vapor-air mixture is formed therefrom to establish a flame front across said one side of the combustion space and traveling counter to the direction of air swirl, and the injection of fuel is continued into the swirling compressed air at said one side of the combustion space immediately in advance of the traveling flame front to progressively form additional combustible fuel vapor-air mixtures which are ignited by the traveling flame front and burned substantially as rapidly as formed; the improvement which comprises injecting the fuel in a flaring jet on said one side of the cylinder combustion space, and substantially simultaneously spark igniting the first increment of injected fuel at points substantially spaced from each other across said flaring jet at said one side of the combustion space, one of said points being closer to the periphery of the combustion space and the other point being closer to the center thereof but spaced therefrom, and both of said points being closely adjacent the outer edge of the spray-form so as to lie within the region of diffused fuel vapor-air mixture substantially as soon as formed, to thereby initiate two regions of flame which merge to rapidly establish a single continuous flame front across the path of the swirling air at said one side of combustion space at the beginning of the injection period on each cycle, thereby preventing any substantial amount of the first increment of injected fuel from being swept by the swirling air beyond the locus of the flame front before the said flame front is established.

2,595,915
INTERNAL-COMBUSTION ENGINE
Everett M. Barber, Wappingers Falls, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 18, 1947, Serial No. 742,275
9 Claims. (Cl. 123—32)

1. In the operation of an internal combustion engine, wherein fuel is injected into rapidly swirling compressed air in the cylinder combustion space toward the latter part of the compression stroke, the first increment of injected fuel is electrically ignited substantially as soon as combustible fuel vapor-air mixture is formed therefrom to establish a flame front traveling counter

to the direction of air swirl, and the injection of fuel is continued into the swirling compressed air immediately in advance of the traveling flame front to progressively form additional combustible fuel vapor-air mixtures which are ignited by the traveling flame front and burned substantially as rapidly as formed; the improvement which comprises initiating injection on each cycle with a smaller pilot jet directed into the swirling air so as to impregnate only a part of the compressed air present at any instant at one side of the combustion space and which swirls past the locus of injection, immediately electrically igniting the resulting combustible fuel vapor-air mixture from the first increment of injected fuel of said pilot jet substantially as soon as formed to produce a flame, closely following initiation of injection of said pilot jet with initiation of injection of a main larger jet into the swirling air alongside said pilot jet on one



side of the combustion space so as to substantially uniformly impregnate the swirling air across said one side of the combustion space, the delay of initiation of the main jet after initiation of the pilot jet being such as to bring the first increment of injected fuel from the main jet adjacent the locus of ignition just after the pilot flame has been produced and substantially as soon as combustible fuel vapor-air mixture has been formed from the first increment of injected fuel of said main jet, whereby the flame rapidly spreads across said last mentioned combustible mixture to establish a flame front across the path of the swirling mass on said one side of the combustion space without movement of any substantial quantity of unburned combustible mixture past the locus of the flame front before the latter can be established, and then continuing injection on said cycle immediately in advance of the established flame front to develop the power required.

2,595,916

LIGHT SENSITIVE POSITIVE PRINTING DIAZOTYPE PAPER HAVING A CALENDERED SURFACE

Wilhelmus Hubertus Gerardus Bartels, Venlo, Netherlands, assignor to Chemische Fabriek L. Van Der Grinten, Venlo, Netherlands, a company of the Netherlands

No Drawing. Application April 20, 1948, Serial No. 22,263. In the Netherlands April 21, 1947

9 Claims. (Cl. 95—7)

1. The process of manufacturing light-sensitive positive printing diazotype paper, which comprises applying a sensitizing solution containing a diazo compound to base paper to form diazotype paper having a sensitized layer free of developing powder, and thereafter, without having applied developing powder to said layer, calendering and drying said diazotype paper.

2,595,917

ADJUSTABLE AND RETRACTABLE INTERNAL THREAD GAUGE

John Chester Bath, Worcester, and Ervin L. Ackley, Northboro, Mass., assignors to John Bath & Company, Worcester, Mass., a corporation of Massachusetts

Application July 20, 1949, Serial No. 105,782

4 Claims. (Cl. 33—178)



1. An adjustable internal thread gauge comprising a tubular body portion, a gauge jaw assembly secured in said body portion and comprising a plurality of gauge jaws, and each gauge jaw having a conical inner face, a rod mounted for axial movement and for rotation about its axis in said assembly, said rod having a segmentally-interrupted conical cam portion at one end juxtaposed with respect to said gauge jaws and engaging said conical inner faces and a screw thread at the opposite end, an adjusting hand nut threaded on said rod, and additional manual means to rotate said rod about its axis to render said cam portions operative or inoperative with respect to said gauge jaws.

3. The combination in an adjustable internal thread gauge as set forth in claim 1, in which the additional manual means comprises a sleeve which is rotatably mounted coaxial with the body and gauge jaw assembly and which is slidably keyed to said rod, and in which means is provided to limit the rotational movement of said sleeve by said rod.

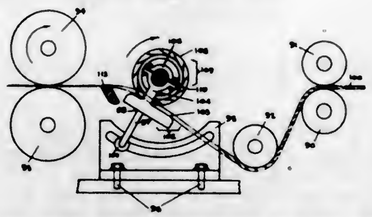
2,595,918

CONTROL OF TEXTILE FIBERS DURING DRAFTING OPERATIONS

Whitworth F. Bird, Swarthmore, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware

Original application October 8, 1947, Serial No. 778,637, now Patent No. 2,471,058, dated May 24, 1949. Divided and this application March 15, 1949, Serial No. 81,558

2 Claims. (Cl. 19—130)



1. In a drafting mechanism for strands of textile fibers, means forming a front nip to draw off the fibers as they are being drafted, a stationary strand guide for fibers as they pass forwardly to the front nip, said stationary guide extending lengthwise along the path of the fibers for a predetermined distance, means including the said front nip forming means for moving a strand of fibers in contact with the stationary guide, and a rotatable fiber control pin roller for initially penetrating into only that portion of the length of the strand in contact with the stationary guide as the pin roll rotates in operation, means for adjusting the stationary strand guide

toward and away from the pin roller, said means including a fixed support for the stationary strand guide and means by which the stationary strand guide may be moved along the length of the support.

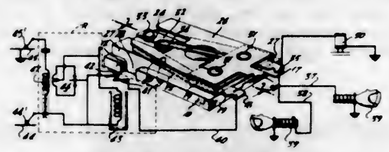
2,595,919

REMOTE-CONTROL SYSTEM EMPLOYING A THERMAL DELAY SWITCH

Joseph L. Bonanno, Madison, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York

Application November 12, 1947, Serial No. 785,407

3 Claims. (Cl. 104—150)



1. A toy railroad car having two current collectors cooperable with the usual rails, a relay on the car connected to the current collectors to be energized therefrom, the relay being non-responsive to propulsion current but responsive to non-propulsion current in the rails, and a normally open work-circuit on the car closed when the relay is energized, said work circuit including two current consuming electromagnetic devices one permanently connected to the relay through a bimetallic thermal member adapted to be heated by flow of current, the other including a switch closable by the thermal member when heated, whereby one of the electromagnetic devices may be actuated by instantaneous energizing of the relay, and the other device actuated only after the relay has been energized for a predetermined time.

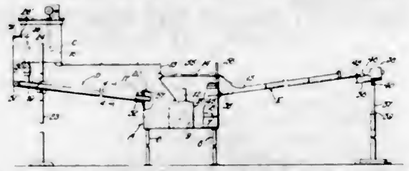
2,595,920

DEGREASING MACHINE

Otto J. Bratz, Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York

Application April 5, 1944, Serial No. 529,875

2 Claims. (Cl. 134—107)



1. In a machine of the character described, the combination of a solvent supply tank, two inclined degreasing troughs draining into said tank, a solvent heating tank supplying heated solvent to said degreasing troughs, a pump for pumping solvent from said supply tank to said heating tank and valve mechanism for controlling the delivery of heated solvent to said troughs one at a time and to either desired.

2,595,921

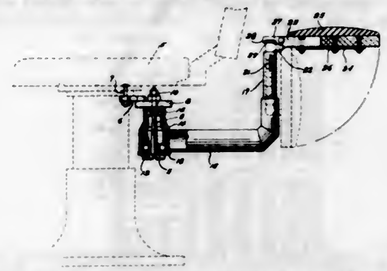
SWINGING AUXILIARY BARBER'S REST

Stephen C. Buts, Zion, Ill.

Application January 11, 1946, Serial No. 640,404

1 Claim. (Cl. 155—81)

An auxiliary seat attachment for a barber's chair comprising an arm, means pivotally connecting one end of said arm to said chair for horizontal swinging movement, a hollow post supported by and upstanding from the other end of said arm, a rotatable pin in said post vertically adjustable to dispose its upper end at different distances above the post, coacting devices on said post and pin, respectively, for holding said pin in different adjusted positions, while permitting



rotation thereof, a seat supporting arm hinged at one end to the upper end of said pin and extending laterally therefrom for swinging upwardly and downwardly, respectively, a seat on said seat supporting arm offset from said pin, and catch means on said seat supporting arm and the upper end of said pin for releasably holding said seat supporting arm in upswung position.

2,595,922

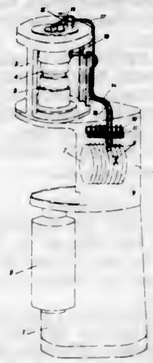
CIRCULAR KNITTING MACHINE FOR STOCKINGS AND THE LIKE

Carlo Camnasio, Giovanni Aurelio Venturelli, and Giuseppe Colalupo, Milan, Italy, assignors to Officine Moncenisio, già An. Bauchiero, Turin, Italy, a corporation of Italy

Application November 10, 1949, Serial No. 126,562

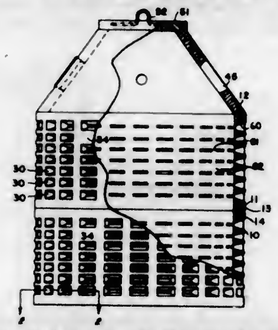
In Italy November 17, 1948

6 Claims. (Cl. 66—154)



1. A circular knitting machine comprising a plurality of members to be displaced, a stationary support opposite to each of said members, rotatable discs, cams carried by said discs for imparting impulses to said members, stationary supporting means placed opposite said cam discs, a number of tubes each extending from one of said supports to said supporting means, alternating spherical and cylindrical rigid pellets inside each tube, means on the supporting means adjacent to cam discs for transmitting the impulse of a cam to the first pellet, and means on the support adjacent to said members to be displaced for transmitting the displacement of the last pellet to a member to be displaced.

2,595,923
CEMENT CONCRETE PORTABLE TANK STRUCTURE
Henry L. Carlson, Kings Park, N. Y.
Application May 6, 1949, Serial No. 91,849
2 Claims. (Cl. 182—2)



1. A cement concrete self-sustaining portable tank structure having a circular peripheral wall reticulated with a plurality of circumferentially and vertically spaced rows of aligned rectangular openings that regularly expand outwardly having their minor dimension extending vertically, and the major dimension extending circumferentially, leaving unbroken vertical columns nearly square in cross section between vertical rows of openings in the wall, said columns narrower than the circumferential dimensions of said openings, and unbroken peripheral concrete bands between horizontal rows of the openings, said bands being narrower than the height of the openings on the outer face.

2,595,924
QUATERNARY BISMUTH ALLOY
Oscar N. Carlson and Harley A. Wilhelm, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application December 13, 1949, Serial No. 132,796
3 Claims. (Cl. 75—134)

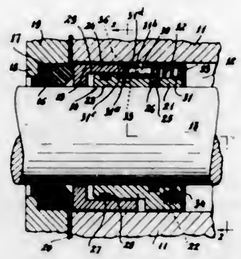
1. An alloy consisting substantially of from 55 to 65% bismuth, from 19 to 22% lead, from 17 to 18% tin and from 3 to 5% thallium.

2,595,925
QUATERNARY BISMUTH ALLOY
Oscar N. Carlson and Harley A. Wilhelm, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application December 13, 1949, Serial No. 132,797
5 Claims. (Cl. 75—134)

1. An alloy consisting of from 35–55% by weight of bismuth, from 15–40% by weight of lead, from 15–35% by weight of tin and from 3–10% by weight of gallium.

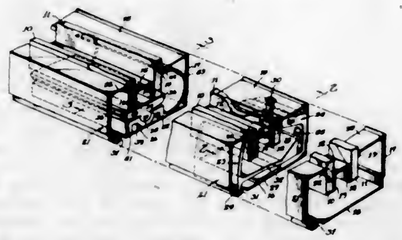
2,595,926
SEALING DEVICE
Albert M. Chambers, Jr., Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application March 29, 1950, Serial No. 152,567
8 Claims. (Cl. 286—11.15)

2. A sealing device for effecting a seal between two relatively rotatable machine elements, comprising a driving ring adapted for non-rotatable association with one of said machine elements; a sealing ring shiftable axially relatively to the driving ring and having a radial sealing surface adapted to effect a running seal with a radially extending, annular sealing surface associated with the other of said machine elements; driving means for restraining the two rings against relative rotation comprising interteleseoping sleeve portions of the two rings having at least one axially extending bore formed in intimately opposed cylindrical surfaces of telescoping portions



of said rings and a rigid driving member in said bore in sliding relationship with at least one of said sleeve portions and interlocking the two rings against relative rotation; the sealing ring having a radially extending abutment surface associated therewith in axial alignment with said driving member; the said device, further, including spring means coacting with the driving ring and with the driving member to urge the latter into engagement with said abutment surface, and, thereby to urge the sealing ring yieldably into running sealing engagement with the sealing surface of the said other machine element.

2,595,927
GLASS SETTING DEVICE
Barton H. Chapin, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application February 3, 1947, Serial No. 726,035
14 Claims. (Cl. 20—56.5)

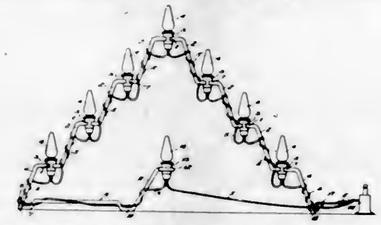


7. In a glass setting device supporting a plurality of individual panes of glass spaced apart from each other and bonded to a filler at their marginal edges, the combination of a base seat with a longitudinal bearing for a horizontal journal and a setting block including a journal seated in the bearing of the base seat and permitting relative tilting movement between the setting block and the base seat.

2,595,928
ANTIFOAM EMULSION
Chester C. Currie and Maurice C. Hommel, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application March 7, 1951, Serial No. 214,438
1 Claim. (Cl. 252—358)

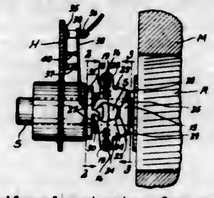
An antifoam emulsion composed of from 3 to 12 per cent by weight of glycerylmonostearate, from 3 to 24 per cent by weight of a compound selected from the group consisting of polyoxyethylene stearate and propylene glycol monolaurate, from 2 to 40 per cent by weight of a benzene soluble methylpolysiloxane of at least 200 cps. viscosity at 25° C. containing from 2 to 10 per cent by weight of a silica selected from the group consisting of silica aerogels and fume silicas and from 24 to 95 per cent by weight water.

2,595,929
DISPLAY STAND FOR CHRISTMAS TREE LAMP ASSEMBLY
Thornton E. Dartt, Cameron, N. Y.
Application May 3, 1949, Serial No. 91,190
1 Claim. (Cl. 240—10)



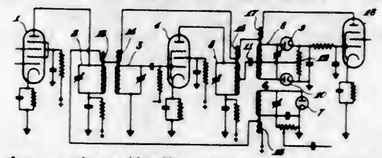
A display stand for removably supporting a Christmas tree lamp assembly including conducting cord, lamps, and lamp sockets, said stand comprising an integral rigid rod including oppositely disposed fixedly related vertically converging series of horizontally arranged lamp socket supporting loops in stepped relation, each of said loops being open at one side permitting insertion or removal of a lamp socket, and vertically inclined connecting portions between said supporting loops, each of said inclined connecting portions extending from the inner side of one supporting loop to the outer side of the supporting loop immediately thereabove and arranged to have wrapped therearound a portion of the conducting cord between two lamp sockets, said inclined portions and the front portions of said supporting loops all being arranged in a single vertical plane and the uppermost inclined portions terminating in and connecting with a central lamp socket supporting loop at the top of the stand, one of the lowermost supporting loops being connected to a downwardly extending inclined portion terminating in rearwardly extending horizontal supporting feet positionable on and freely movable over a supporting surface and joined by a vertically offset portion adapted to receive part of the conductor wrapped therearound, and the other lowermost supporting loop being connected to an inclined portion connected with rearwardly extending horizontal supporting feet joined by a vertically offset portion adapted to receive part of the conductor wrapped thereareund, and the last mentioned rearwardly extending feet being connected to an upwardly inclined extension terminating in a horizontally arranged lamp socket supporting loop arranged centrally between the side loops and in vertical alinement with the uppermost loop, all of said supporting loops being arranged in a single vertical plane.

2,595,930
CENTRIFUGAL ACTUATOR
Clinton H. Dederick, Brentwood, Mo., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application February 7, 1948, Serial No. 7,007
10 Claims. (Cl. 264—15)



6. A centrifugal actuator for use upon a rotating shaft, comprising a bracket adapted to be fixed to the shaft, said bracket containing a plate-like body portion having an opening in the center to receive the shaft and side portions extending at an angle to the body portion, said side portions containing elongated slots with closed ends normal to the axis of the shaft; a pair of rod-like members disposed in the slots on opposite sides of the shaft, said rod-like members having limited radial movement; and a pair of weight members pivotally mounted on the rod-like members, said weight members containing arm-like portions extending to one side of the rod-like members, the centers of gravity of the weight members being on the sides of the rod-like members opposite to the arm-like portions.

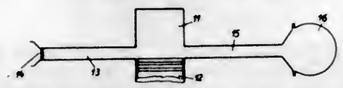
2,595,931
SUPERHETERODYNE RECEIVER WITH AUTOMATIC FREQUENCY CONTROL
Folkert Albert de Groot, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 18, 1946, Serial No. 662,963
In the Netherlands August 16, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 16, 1961
5 Claims. (Cl. 250—20)



4. An automatically frequency controlled superheterodyne receiver, comprising means to convert a received carrier wave to an intermediate frequency carrier wave, an intermediate frequency amplifier channel having a resonant circuit tunable to said intermediate frequency carrier wave, means comprising a frequency responsive network including said resonant circuit to derive from said resonant circuit a control voltage having amplitude values proportional to the deviation of said intermediate frequency carrier wave from the resonant frequency of said intermediate frequency channel and having polarity variations dependent on the deviation of said intermediate frequency carrier wave from the resonant frequency of said intermediate frequency channel, means responsive to said con-

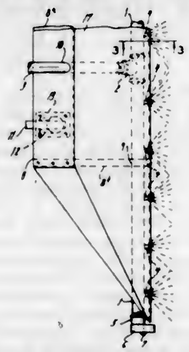
trol voltage to vary the frequency of said resonant circuit to tune the same automatically to the frequency of said intermediate frequency carrier wave, and means coupled to the output of said amplifier channel to derive a regenerative feedback voltage therefrom and to apply said regenerative feedback voltage to said resonant circuit to suppress damping thereof.

2,595,932
SCAVENGING TWO-CYCLE ENGINE
Gustav Eichelberg, Zurich, Switzerland, assignor to Gesellschaft zur Forderung der Forschung an der Eidg. Technischen Hochschule, Zurich, Zurich, Switzerland, a firm of Switzerland
Application July 2, 1947, Serial No. 758,550
In Switzerland July 20, 1946
4 Claims. (Cl. 123—65)



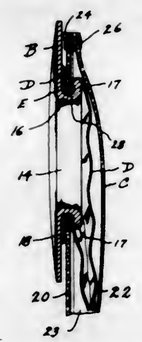
1. A method of scavenging a two-cycle engine cylinder having an exhaust pipe and an inlet pipe leading from piston-controlled ports therein, said inlet pipe having non-return valves, normally closed, located at its end remote from the cylinder, which consists in opening both the exhaust ports and the inlet ports by the piston substantially simultaneously after combustion at a moment when the pressure in the cylinder is still high with respect to the pressure in both the exhaust and the inlet pipes, so that the products of combustion first flow from the cylinder into both said pipes, reflecting back the pressure wave in the inlet pipe by the non-return valves, reducing the pressure wave in the exhaust pipe to outside pressure, whereby the pressure in the cylinder is substantially relieved before the reflected wave reaches the cylinder, opening the said non-return valves automatically by the reduced pressure thus produced in the inlet pipe and drawing in by the same reduced pressure a charge of fresh air which flows into the cylinder at a high velocity, and thereby scavenging the same.

2,595,933
RUG RINSER
Gilbert P. Gilbertsen, Overland, Mo., assignor to Magnus R. Snipen, St. Louis, Mo.
Application July 23, 1949, Serial No. 106,422
1 Claim. (Cl. 299—56)



A rinser for floor rugs comprising a transverse, perforated member and spraying nozzles mounted therein, said nozzles being so spaced apart that the sprays from adjacent nozzles overlap each other, means for conveying water from a source of supply to said nozzles, a wheel at each end of said transverse member, a pair of eccentrically mounted supports for said transverse member eccentrically mounted on said wheels and adapted to permit vertical adjustment thereof, means for directing air pressure into said water-conveying means, and a frame including a support for said water-conveying means and provided with extensions for supporting said transverse member, a water control valve in said water-conveying means, and said rug rinser being adapted to be propelled on said wheels over the surface of a floor rug to be rinsed.

2,595,934
COLOSTOMY APPARATUS
Nathan Ginsburg, Philadelphia, Pa.
Application January 7, 1950, Serial No. 137,334
1 Claim. (Cl. 128—283)

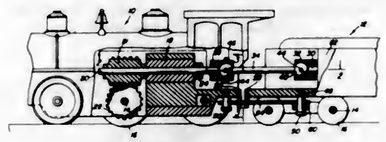


In a colostomy device comprising a separable belt, a circular stainless steel plate conforming to the contour of the body, and being held by said belt against the body of the wearer, a disposable colostomy bag attached to said plate and having an opening therein; a plurality of ears on said plate for attachment of said belt, a flange defining said opening in said plate, a rim upon said flange substantially parallel to and close to said plate, a fabric bag provided with a cut-out portion fitting over said rim and resting upon said flange and having an openable upper end portion and being adapted to support a colostomy bag, said disposable colostomy bag having a neck adapted to fit upon said flange and being located within said fabric bag, and an elastic band to clasp said colostomy bag about said flange.

2,595,935
WET STRENGTH PAPER AND PROCESS FOR THE PRODUCTION THEREOF
John H. Daniel, Jr., Stamford, and Chester G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 3, 1946, Serial No. 688,334
15 Claims. (Cl. 92—3)

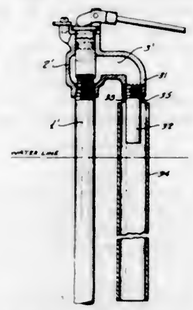
1. Paper having a uniform content of about 0.5–5% of its dry weight of a cured thermosetting alkylenepolyamine-polyfunctional halohydrin resin.

2,595,936
TOY LOCOMOTIVE
Robert E. Goode, Jr., Prescott, Ariz.
Application December 5, 1947, Serial No. 789,821
8 Claims. (Cl. 105—75)



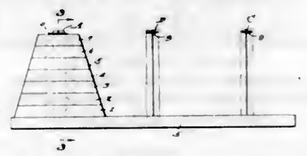
1. In a toy locomotive including a tender, a driving connection comprising, a driven shaft journaled in the locomotive, a second shaft between the locomotive and the tender, a flexible coupling connecting said shafts together, means for coupling said second shaft to a source of power, and link means between the locomotive and the tender preventing overturning of the tender due to torque reaction and transferring weight from the tender to the rear portion of the locomotive said link means being pivoted to the tender and the rear portion of the locomotive, and means carried by the tender bearing upon said link means.

2,595,937
WATER SUPPLY INLET MEANS FOR TOILET FLUSH TANKS
Benjamin O. Graham, St. Louis, Mo.
Application March 1, 1946, Serial No. 651,164
1 Claim. (Cl. 137—104)



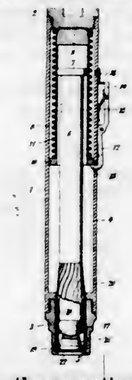
For use with a toilet flush tank, water supply means comprising a supply pipe, float ball actuated means, said valve means being provided with a chambered body having a downwardly directed discharge sleeve, an outlet pipe mounted snugly in, and dependingly supported from, said sleeve and terminating at a point substantially above the normal water level in the tank, and an open-bottomed silencer tube of greater diameter than the outlet pipe disposed concentrically thereabout and extending downwardly for immersion at its lower end in the water within the tank, said outlet pipe extending a substantial distance within said silencer tube, said silencer tube being provided with two diametrally juxtaposed U-shaped slots extending downwardly from the upper peripheral margin thereof for a substantial distance below the lowermost extremity of the discharge sleeve, said slots being spaced upwardly from the lower end of said outlet pipe and providing upwardly presented ears engaged with said sleeve.

2,595,938
PUZZLE AND GAME
Casper E. Grant, Richmond, Va.
Application February 10, 1949, Serial No. 75,629
1 Claim. (Cl. 273—132)



A puzzle of the class described, comprising a base, a plurality of posts rising from the base, said posts being rectangular in formation, a plurality of puzzle pieces having rectangular openings formed centrally thereof, the openings being wide at their lower ends and tapered inwardly towards their upper ends, the tapered portions of the openings extending throughout substantially the entire thicknesses of the puzzle pieces, substantially small portions of the walls of said openings at their upper ends being vertical, said openings being fitted over the posts, the vertical sections of the walls of the openings contacting the posts and preventing rotation of the puzzle pieces, said wide portions of the openings guiding the puzzle pieces onto the posts, said posts having horizontal grooves in opposite edges thereof, a spring clip extending through the grooves and engaging the uppermost puzzle pieces on the posts, normally securing the puzzle pieces against displacement from the posts, and the outer surfaces of said puzzle pieces being inclined towards the upper surfaces thereof, providing an object of truncated pyramid shape when the puzzle pieces are properly placed, one upon another on a post.

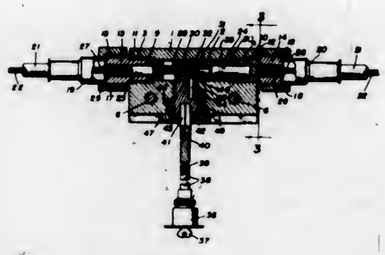
2,595,939
HOLDER FOR FUSEES AND THE LIKE
Paul H. Griffith, Ardmore, Pa.
Application September 22, 1948, Serial No. 50,641
10 Claims. (Cl. 102—37.4)



6. A holder for the reception of a fusee or the like, said holder comprising a tubular body with a closed end; a removable ferrule engaged upon the other end of the body and having an internal flange about its mouth; a displaceable sealing disk supported by the flange within the ferrule for normally retaining the fusee; an ejecting element backed by a spring within the body; and a retractable catch for normally keeping the ejecting element withdrawn and cocked with the

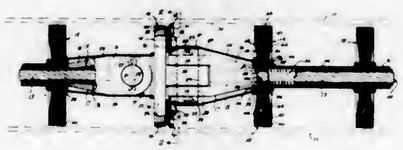
spring under compression whereby, upon retraction of the catch, the ejecting element is released to the action of the spring to displace said disk and eject the fusee.

2,595,940
SPEEDOMETER CABLE CONNECTING AND LOCKING DEVICE
Lorenzo S. Guetti, Miami, Fla.
Application December 20, 1946, Serial No. 717,415
10 Claims. (Cl. 264—2)



1. Means for detachably connecting a speedometer drive and a speed control governor comprising a casing, having a longitudinally extending bore therethrough, longitudinally aligned drive and driven shaft sections rotatably disposed in said bore at the ends thereof, a fixed clutch member on one of said shaft sections, a movable complementary clutch member on the other of said shafts, a transverse bore in said casing in communication with the longitudinally extending bore, a rotatable plug in said transverse bore, an actuating finger carried by said plug in engagement with said movable clutch member and means for rotating said plug in opposite directions and selectively locking the clutch members in connected and disconnected positions.

2,595,941
CABLE-MOUNTED FLIGHT CONVEYER
Henry W. Hapman, Detroit, Mich., assignor, by mesne assignments, of forty per cent to Hannah J. Hapman, Detroit, Mich.
Application September 4, 1948, Serial No. 47,913
13 Claims. (Cl. 198—168)



6. A flight conveyor comprising a plurality of cable couplings, a plurality of cables attached at their ends to said couplings, a multiplicity of flights loosely and slidably mounted on said cables, and helical springs mounted on said cables between said flights, said couplings having disc portions thereon of approximately the same diameters as said flights, said couplings having wipers attached thereto and extending transversely outward beyond said disc portions, said wipers including arcuate portions assembled end to end in an annular path and adjustable radially relatively to said disc portions.

2,595,942
ACCESSORY AND COUNTERBALANCE DRIVE FOR POWER PLANTS
John S. Hasbrouck, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 17, 1948, Serial No. 33,515
9 Claims. (Cl. 74—604)



1. An engine including a case, a crankshaft journalled therein, a counterbalance journalled within said case and concentric to the crankshaft, and a planetary gear drive between the crankshaft and counterbalance for rotating the latter at a rate different from but proportional to the crankshaft rate said planetary gear drive consisting of a cage fixed to said crankshaft, a plurality of shafts supported by said cage, two planet gears fixedly mounted on each shaft, a ring gear mounted in said case, said counterbalance having a gear connected thereto, one planet gear on each shaft meshing with the gear on said counterbalance, and the other planet gear on each shaft meshing with said ring gear.

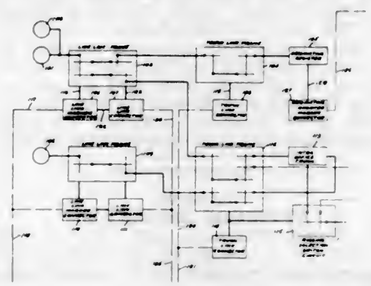
2,595,943
METHOD OF HARDENING BAUXITE WITH CALCIUM SULFATE
Heinz Heinemann, Drexel Hill, Pa., assignor to Porocel Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 26, 1949, Serial No. 89,813
6 Claims. (Cl. 252—440)

1. A method for hardening thermally activated bauxite granules which comprises impregnating the bauxite granules with 2% to 10% by weight of calcium sulfate by precipitation on the bauxite granules of the calcium sulfate from a solution of a soluble salt of calcium, and heating the bauxite granules containing the calcium sulfate at a temperature not exceeding 1200 degrees F.

2,595,944
REVERTING CALL CIRCUITS
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 57,397
8 Claims. (Cl. 179—17)

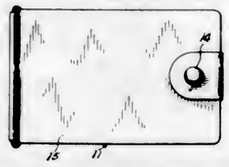
1. In a telephone system, a subscriber line having a plurality of substations thereon, a set of switches, a switch controlling marker, registers in said marker, means operable under the control of a calling one of said substations to register in

said registers of said marker the calling line number and the called line number, a reverting ringing trunk, means in said marker to compare the calling line number with the called line num-



ber, and means in said marker operable under the control of registrations of identical numbers in said marker to control said switches to connect said line with said trunk.

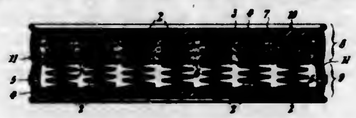
2,595,945
CARD HOLDING FOLDER AND IN ATTACHING MEANS FOR THE SAME
Richard Hirschfelder, Chicago, Ill.
Application March 16, 1950, Serial No. 149,960
1 Claim. (Cl. 150—39)



In combination with a plurality of pliable elements foldable across their width, a longitudinally closed tubular member extending substantially the full width of said elements, said tubular member open at its opposite ends, a pair of opposed substantially U-shaped spring clips, each having one leg slidably received in one end of said tubular member in frictional engagement therewith and having the other leg lying externally of said tubular member for the reception of and removal from between it and the tubular member of pliable elements with the fold portions thereof being in alignment with said last mentioned leg and lying wholly exteriorly of said tubular member, the other leg of said clips respectively encompassing the top and bottom of said pliable elements adjacent said legs and terminating adjacent each other approximately midway of the width of said pliable elements.

2,595,946
SLEEPING MATTRESS
Joseph P. Holt, Bryn Mawr, Pa.
Application August 30, 1949, Serial No. 113,047
10 Claims. (Cl. 5—347)

1. A sleeping mattress having a partition member of heat insulating material disposed horizontally therein and dividing the same into upper and lower sections, and having an additional internal partition member of heat insulating material in the form of a fence extending upwardly from said first partition member and dividing the upper section into a central sleeping area and



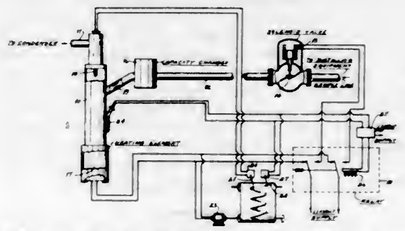
wings at each side thereof, thermally insulated therefrom by said fence.

2,595,947
TROLLING FLOAT
Thomas B. Jones, Banning, Calif.
Application December 29, 1947, Serial No. 794,316
3 Claims. (Cl. 43—43.13)



1. In a device of the character described, a float comprising an elongated buoyant body and a keel plate having a hole therein, secured to and depending from the underside of said body, a bridle comprising a line extending loosely through said hole and connected to opposite sides, respectively, of said keel plate at points rearwardly of said hole, and a hand line connected to said bridle.

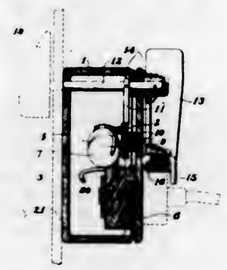
2,595,948
AUTOMATIC DISTILLATION TESTING
James M. Jones and John J. Stranahan, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 16, 1948, Serial No. 33,418
3 Claims. (Cl. 202—40)



1. The method of automatically making successive distillation tests of liquid samples withdrawn from a distilling operation that comprises conducting a sample from the distilling operation through a valved supply line to a distillation test still, electrically heating said test still to effect vaporization of the liquid therein, measuring the distillation test temperature with a temperature indicating means at a given point, continuing the application of the heating after the end point of the liquid sample is reached, measuring the temperature of the test still with another temperature indicating means positioned to reflect the increased temperature above said end point temperature due to said continuance of the heating, upon a predetermined increase in temperature of the latter temperature indicating means and through the agency of such indicated increased temperature point automatically opening the heating circuit to stop the

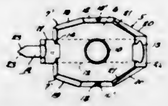
heating of the test still and opening the valve in the supply line permitting the introduction of a succeeding liquid sample to the test still with resultant cooling thereof and reduction in temperature of the latter temperature indicating means, and upon a predetermined decrease in temperature of said latter temperature indicating means and through the agency of such indicated decreased temperature point automatically closing the valve in the supply line and closing the heating circuit to resume the heating of the test still.

2,595,949
SWITCH
Carl E. E. Karlsson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 26, 1948, Serial No. 29,342
4 Claims. (Cl. 200—50)



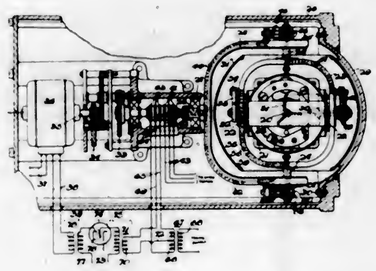
1. In an electric switch having a switch box with actuating means for preventing either circuit connection or disconnection when the switch is in closed-circuit position, a switching element positioned within said box, a receptacle element also positioned within said box in electrical circuit with said switching element, a pivot member in said box, in spaced relation to the receptacle element, for operating said switching element, an actuating shaft rotatably mounted in spaced relation to the pivot member and carrying a switch knob positioned on said shaft outside the box, a cam means on said shaft within said box in cooperative relation with the pivot member, an elongated arm on the switch actuating shaft, and a flange on the elongated arm positioned to prevent the circuit connection or disconnection when the switch is in closed-circuit position.

2,595,950
TOOL BIT GRINDING FIXTURE
William C. Keebler, Washington, D. C.
Application May 20, 1949, Serial No. 94,365
1 Claim. (Cl. 51—220)



A tool bit grinding fixture comprising an elongated body having a plane top and a bottom which lies parallel thereto, said body having an axial bore of circular cross section extending longitudinally therethrough midway between the top and bottom, opposite sides of the body converging as they recede from the bottom and having internally screw threaded openings extending therethrough which communicate with the bore and lie along a common axis which intersects the axis of said bore, said body having inclined faces adjacent the convergent sides thereof which faces lie between the sides and one end of the body and converge as they recede from the aforesaid sides, ridges extending diagonally across the faces and separating each such face into two surface plate engaging surfaces which lie at obtuse angles to one another, a tool holder mounted in the axial bore, and set screws extending through and threadedly engaging the internally screw threaded openings for engaging the tool holder and retaining it in the bore.

2,595,951
ATTITUDE INDICATOR
Henry Konet, Paramus, and Paul A. Noxon, Tenafly, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 26, 1944, Serial No. 569,747
3 Claims. (Cl. 74—5.2)



1. A system for universally supporting a gyroscope from a mobile vehicle comprising, a main gimbal ring support for said gyroscope having a first pivotal axis and a second pivotal axis normal thereto, an auxiliary gimbal ring supporting said first ring and having a pivotal axis normally coinciding with said first pivotal axis, power means for rotating said auxiliary gimbal ring about its pivotal axis, means responsive to rotation of said main gimbal ring about said first pivotal axis for controlling said power means to cause said auxiliary gimbal ring to position said main ring to maintain the rotation thereof about said first axis within predetermined limits, and means responsive to rotation of said auxiliary ring about said second pivotal axis through the normal to the plane of said main ring for reversing the sense of action of said controlling means.

2,595,952
POLYVINYL ACETATE EMULSION CONTAINING A POLYALKYLENE GLYCOL
Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application April 6, 1950, Serial No. 154,421
7 Claims. (Cl. 260—29.6)

1. A composition comprising a tacky aqueous emulsion of polyvinyl acetate and 4 to 50% by weight of said acetate of an unsubstituted polyalkylene glycol having a molecular weight of 134 to 1000.

2,595,953
POLYVINYL ACETATE EMULSION CONTAINING AN ALKOXY GLYCOL ETHER, AND A BASE COATED THEREWITH
Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application April 6, 1950, Serial No. 154,422
10 Claims. (Cl. 260—29.6)

1. A composition comprising a tacky emulsion of polyvinyl acetate having from 40–60% by weight of solid contents, and from 4–50% by weight of said solid content of diethylene glycol monobutyl ether.

2,595,954
POLYVINYL ACETATE EMULSION CONTAINING AN ALIPHATIC CARBOXYLIC ACID, AND BASE COATED THEREWITH
Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application April 6, 1950, Serial No. 154,425
9 Claims. (Cl. 260—29.6)

1. A composition comprising a tacky aqueous emulsion of polyvinyl acetate and from 4 to 50% by weight of said acetate of an aliphatic saturated organic acid having an ionization constant of less than about 6.6×10^{-5} and 3 to 8 carbon atoms.

2,595,955
POLYVINYL ACETATE EMULSION CONTAINING AN ALKYL AMIDE, AND BASE COATED THEREWITH
Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application April 6, 1950, Serial No. 154,426
8 Claims. (Cl. 260—29.6)

1. A composition comprising a tacky aqueous emulsion of polyvinyl acetate and 4–50% by weight of said acetate of an organic compound consisting of an amide group and an alkyl group having 3 to 5 carbon atoms.

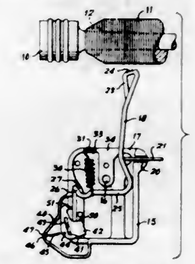
2,595,956
POLYVINYL ACETATE EMULSION CONTAINING AN ALKOXY ACETATE, AND BASE COATED THEREWITH
Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application April 6, 1950, Serial No. 154,428
6 Claims. (Cl. 260—29.6)

1. A composition comprising an aqueous emulsion of polyvinyl acetate and from 4 to 50% by weight of said acetate of a saturated aliphatic organic compound, each monomeric molecule of the compound consisting of a polar group and a non-polar group, the polar group being an acetate group and the non-polar group consisting of an alkoxy substituted hydrocarbon chain having, including the alkoxy constitutent from 4–8 carbon atoms, the hydrocarbon chain being otherwise unsubstituted.

2,595,957
POLYVINYL ACETATE EMULSION CONTAINING AN AROMATIC AMIDE, AND A BASE COATED THEREWITH
Walter G. Kunze and Raymond Bertram Evans, Catonsville, Md., assignors to Le Page's Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application April 6, 1950, Serial No. 154,430
6 Claims. (Cl. 260—29.6)

1. A composition comprising an aqueous emulsion of polyvinyl acetate, and from 5 to 15% by weight of said acetate of an unsubstituted aromatic amide containing 7 carbon atoms.

2,595,958
FEELER MECHANISM FOR LOOMS
George M. Lane, Greensboro, N. C.
Application February 19, 1951, Serial No. 211,650
7 Claims. (Cl. 139—270)

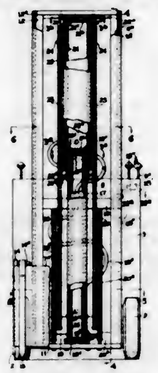


1. An improvement in a feeler mechanism for looms, said feeler mechanism having a feeler stand and also having a side slipping and reciprocable feeler therein adapted to be engaged by a filled bobbin, said improvement comprising latch means disposed in the feeler stand, means on the feeler adapted to engage said latch means upon reciprocatory movement being imparted thereto by the bobbin engaging the free end of the same, said latch means being so arranged as to permit strokes of the feeler of relatively short length and means automatically operable upon the filling on the bobbin being substantially exhausted to cause the feeler to be released from said latch means to permit strokes of the feeler of relatively long length.

2,595,959
INDUSTRIAL TRUCK
Nathan M. Lawless, Muskegon Heights, Mich., assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Continuation of application Serial No. 30,329, June 1, 1948. This application August 17, 1950, Serial No. 180,014
19 Claims. (Cl. 187—9)

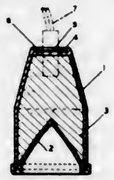
14. In a truck, the combination with a frame, of a pair of vertical outer guides mounted on the frame, a pair of inner guides telescopically related to said outer guides, a load carrier slidably mounted on said inner guides, upper and lower reeving devices, relatively movable supports for said devices, said upper support being connected to said inner guides, a flexible member connected at its inner end to said carrier and anchored at its outer end to the support for said upper reeving device and engaging said devices intermediate its ends, a movable member having reeving connections with said inner guides for moving them upwardly, and mech-

anism for moving the support for said lower reeving device downwardly into engagement with said movable member and for moving said movable member upwardly to move the support for said lower reeving device upwardly and through said reeving connections move said inner guides



and the support for said upper reeving device upwardly relative to the support for the said lower reeving device, the downward movement of the support for said lower reeving device serving to raise said carrier to a predetermined level and relative upward movement of said supports serving to raise said carrier to a higher level.

2,595,960
EXPLOSIVE DEVICE
Robert W. Lawrence, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application October 30, 1948, Serial No. 57,464
5 Claims. (Cl. 102—24)



1. An explosive device comprising in combination a container and a shaped charge disposed therein, said shaped charge being a cast blasting gelatin having a density of between 1.50 and 1.60 g./cc.; said gelatin comprising from about 90% to about 96% of explosive liquid nitric ester, from about 4% to about 10% nitrocellulose, and having added thereto at least 1% of an antacid.

2,595,961
COASTER
Richard M. Layne, Oakland, Calif.
Application December 20, 1948, Serial No. 66,335
5 Claims. (Cl. 65—53)

1. In a coaster, a capillary moisture trap comprising an imperforate sheet of waterproof material having an upper exposed surface consisting of a multiplicity of separate narrow lands and deep grooves; with the grooves having a depth of at least five times their width and having an aggregate surface area exceeding the area of the lands by a multiple of at least ten to one; said grooves extending continuously across the upper surface of the coaster and having the side surfaces of their walls closely spaced whereby capillary ac-



tion between the adjoining side surfaces of the grooves will withdraw droplets of water downwardly from the lands into the grooves.

2,595,962
HARD ROCK DRILL HEAD
Orlando Arthur Letts, Montreal, Quebec, Canada
Application May 6, 1948, Serial No. 25,387
7 Claims. (Cl. 255—64)

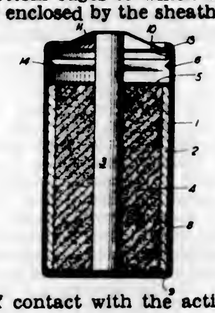


2. A rock drill having intersecting diagonal slots quartering the outer end thereof, the base of said slots sloping downwards toward the centre of said head, a centre post insertable in said head at the intersection of said slots, radially disposed teeth in said slots with their bottoms sloping to correspond with the bases of said slots and their upper edges oppositely sloping so that they taper outwardly at both top and bottom, said teeth all engaging said centre post at their inner ends interlocking means on said centre post and the inner ends of said teeth, and a drill-encircling teeth-securing means.

2,595,963
PRIMARY ELECTRIC CELL
Richard Walter Lewis, Hawkhill Dundee, Scotland, and Richard Percy Richardson, Erith, England, assignors to Burndept Limited, London, England, a British company
Application March 1, 1948, Serial No. 12,366
In Great Britain January 17, 1947
2 Claims. (Cl. 136—132)

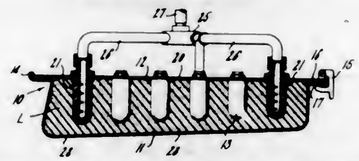
1. An electric primary dry cell comprising a container of zinc forming its negative electrode and enclosing the active parts of the cell, said container being sealed at its mouth, and a plastic sheathing stretched around the side wall of the container and sealed at its top and bottom edges to the container to form a tight enclosure around the container, the container having a small perforation in the part of its side wall between the

top and bottom edges to which the sheathing is sealed and enclosed by the sheathing and beyond



and out of contact with the active parts of the cell.

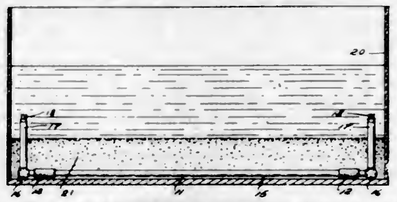
2,595,964
METHOD OF VULCANIZING SPONGE RUBBER
Dale E. Lovell, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 8, 1949, Serial No. 103,545
8 Claims. (Cl. 18—53)



1. The method of vulcanizing frothed latex rubber having air cells into a predetermined shape, which comprises confining the frothed rubber mass sufficiently to give it the desired molded shape, permitting the mass to set to a porous cellular condition, then introducing steam into the interior of the set open cell mass so that it will pass rapidly through the pores towards the outer walls of the mass, to thereby heat quickly the entire frothed mass and vulcanize it

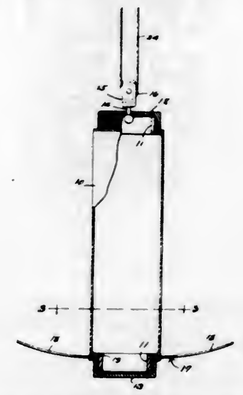
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2,595,965
AQUARIUM DRAINAGE DEVICE
George W. Ludwick, Camden, N. J., assignor of one-half to Joseph H. Ludwick, Camden, N. J.
Application January 26, 1950, Serial No. 140,605
5 Claims. (Cl. 119—5)



1. The combination of an aquarium containing water and a bed of aquarium sand, a tubular closed end member buried in said sand adjacent the bottom of said aquarium and having a plurality of downwardly opening water inlets, said member being wholly confined within said aquarium and removable as a unit, and an upwardly disposed discharge pipe leading from said tubular member for periodically drawing off stagnant water and contaminated matter from said aquarium.

2,595,966
ANCHOR
Robert R. Majors, Muskogee, Okla.
Application September 17, 1948, Serial No. 49,839
1 Claim. (Cl. 43—3)

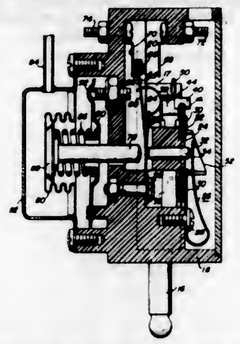


An anchor including a hollow cylinder of circular cross sectional configuration, both ends of the cylinder being formed open and being threaded, one end of the cylinder comprising a filler vent for ballast material, a cap removably closing said end, the other end of the cylinder being provided with a reduced threaded extension defining an annular shoulder surrounding said extension, a plate having a central opening fitted over said reduced extension and bearing against the shoulder said plate having a plurality of intersecting edges each of which is cut inwardly from locations close to the point of intersection with the edges immediately adjacent thereto, said edges being cut inwardly along curving lines, the medial portions of said cut away edges being disposed close to the circumference of said cylinder, whereby to form a plurality of radial flukes on the plate, said threaded ends of the cylinder being of identical diameter, and a second cap threaded on said extension and bearing against the plate to secure the plate immovably to the hollow body, said second-named cap closing the other end of the body, both caps being of identical diameter.

2,595,967
SWITCH FOR REFRIGERATORS
Graham S. McCloy, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 11, 1950, Serial No. 143,788
3 Claims. (Cl. 200—83)

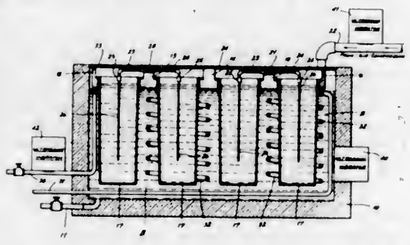
1. A refrigerator defrosting switch comprising a housing, a switch blade in said housing and biased for snap-acting movement to two positions, a spring element stationarily secured at one end in said housing, a cam positioned for rotary movement within said housing and adapted to engage the free end of said spring element to flex the same and thereafter release said spring, whereupon said free end swings back to its normal position, the momentum of said free end being such that it continues in its swing to beyond its normal position, said free end eventually returning to its normal position, a member positioned in the path of said free end when swinging beyond its normal position and adapted to be moved by said free end, said member when so moved being adapted and arranged to move said

switch blade from one of its positions if the switch blade is in said one position to the other



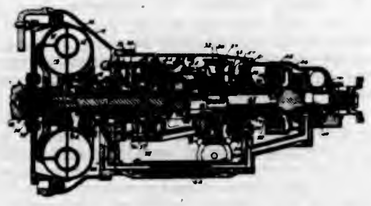
of said positions of the switch blade, and means responsive to a number of refrigerator operations for rotating said cam.

2,595,968
MANUFACTURE OF ICE
Lloyd L. McCoy, St. Louis, Mo., assignor to Ball Ice Machine Co., St. Louis, Mo., a corporation of Missouri
Application February 19, 1948, Serial No. 9,529
4 Claims. (Cl. 62—106)



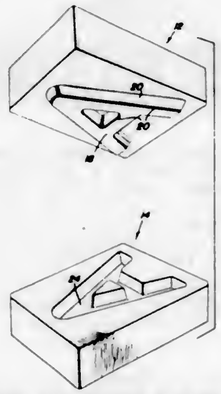
1. In a method of manufacturing ice, the steps of subjecting liquid in a container to a freezing medium to freeze the same, applying ultrasonic vibrations to the liquid during the freezing operation and penetrating the liquid with the vibrations as the liquid freezes.

2,595,969
TRANSMISSION
Forest R. McFarland, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 16, 1946, Serial No. 654,907
8 Claims. (Cl. 74—472)



1. In a transmission for motor vehicles driven by an engine having a fuel intake manifold and controlled by an accelerator pedal, a power shaft driven by the engine, a driven shaft, planetary gearing connecting said shafts and having reaction means, reverse gearing driven from the planetary gearing, a drive selection shift lever for the transmission, a primary valve in the system operative by the shift lever, said valve being closed in neutral position and open in forward and reverse positions of the shift lever, a brake device for the reaction means, a pressure fluid system connected to apply the brake device, a valve device controlling fluid flow to the brake device, conduit means leading from the engine manifold to the valve device whereby manifold pressure is transmitted to the valve device to effect the opening thereof, a normally closed valve in the conduit means, and means operating in conjunction with the accelerator pedal for opening the conduit valve when the pedal is depressed beyond engine idling position.

2,595,970
METHOD OF MAKING LUMINOUS SIGNS
Dennis M. McGill, Lancaster, Pa., assignor of twenty-five per cent to Hugh Christi, Cocoli, C. Z.
Application December 13, 1949, Serial No. 132,713
3 Claims. (Cl. 18—56)



1. A method of producing a self-illuminable sign comprising the steps of stamping blanks from a flat sheet of resinous plastic material, passing said blanks through a zone of heat, placing said blanks between male and female dies, pressing said dies together to transform the flat blanks into symbols of trough-shaped form allowing said symbols to cool, removing said symbols and then sanding the inner and outer edges thereof to effect edge-lighting of said symbols and securing said symbols in spaced relationship to each other to spell out the desired sign by means attaching said symbols to a backing member at a point remote from said edges.

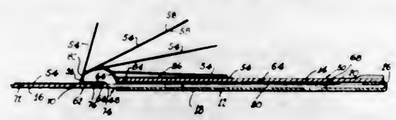
2,595,971
MECHANICAL TOY COWBOY
William E. Mossbauer, Forest Hills, N. Y.
Application October 16, 1947, Serial No. 780,121
5 Claims. (Cl. 46—120)

1. A toy constructed to simulate a person, and having spaced plates, leg members pivoted between said plates, arm members pivoted between said plates, a flexible cord connecting the leg members to each other above their pivot connections, flexible cords connecting the arm members to each other above their pivot connections, a slide movable between said plates and having the



flexible cord of the leg members passed therethrough, and slides movable between said plates and having the flexible cords of the arm members passed therethrough.

2,595,972
DISPLAY DEVICE
Leonard S. Naurison, New York, N. Y.
Application November 19, 1946, Serial No. 710,738
5 Claims. (Cl. 40—102)



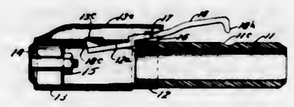
4. A device including a pair of substantially coextensive members disposed one upon the other, means for retaining the members in fixed relation to each other, a plurality of leaves, a strip of flexible material, the leaves being attached to the strip so that they may assume a superposed relation to each other, and a slide between the members, the slide having edge portions for engaging with the retaining means to limit the movement of the slide with relation to the members, the slide being of a length approximately that of the members but having a cut-out at one end thereof, the strip being attached to one of the members through the cut-out and being attached to the slide immediately at the edge of the cut-out, the slide operating to move the strip and the leaves with relation to the members to position the strip and the leaves wholly between the members or to position the leaves wholly outside the members.

2,595,973
INSTRUMENT PANEL
Edwin A. Neugass, Portchester, N. Y.
Application February 16, 1950, Serial No. 144,457
3 Claims. (Cl. 41—22)



1. An instrument panel comprising a sheet of clear light transmitting material, a layer of light colored opaque material superimposed on each of the opposite sides of said sheet, an outer layer of dark opaque material superimposed on one of said layers of light colored opaque material, said outer layer of opaque material having an opening formed therein to expose said one layer of light colored opaque material and the latter having an opening therethrough of lesser size than said opening in said outer opaque layer and registering with the latter opening and shaped similarly thereto to expose said sheet of clear material, said openings in said outer dark colored opaque layer and in said one light colored opaque layer being formed so that the exposed area of said light colored opaque layer is substantially greater than the exposed area of said sheet of clear material, and means for admitting light to said clear light transmitting sheet whereby light is reflected from the other of said light colored opaque layers through said openings in said one light colored and dark colored opaque layers.

2,595,974
PEN CLIP
Clarence F. Norlin, Chicago, Ill.
Application May 14, 1949, Serial No. 93,370
5 Claims. (Cl. 24—11)

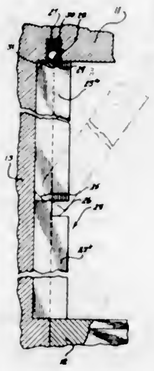


1. In a retainer clip for pocket devices, a sleeve, a cap upon said sleeve, a locking lever pivoted at an intermediate point to said cap, said lever having a forward hooked end with a cam surface upon its outer surface extending forward from said pivot point, said cap having a slot through which the rear end of said lever projects, said lever having a cam projection upon its rear end, and a slidable cover cap extending over said cap and a portion of said sleeve, said cover cap having means for engaging and depressing the forward end of said locking lever when said cover cap is moved in a forward direction and means for engaging said projecting cam and elevating the said forward end of said lever when said cover cap is moved in a rearward direction.

2,595,975
DOOR CONSTRUCTION
John Nothdurft, La Feria, Tex.
Application September 30, 1947, Serial No. 777,055
2 Claims. (Cl. 160—91)

1. In an all weather door construction, a pair of spaced stiles, top and bottom rails connecting the stiles forming an opening, a panel provided with a transparent section and a screen section fully closing said opening, the improvement comprising a longitudinally extending groove in the inner face of each stile, a guide rail in each of said grooves, one of said guide rails including a lower section supported by the bottom rail and an upper section resting on the free end of the lower section, complemental means on the free end of the upper section and the top rail to maintain said sections in abutting relationship, the free end of the lower section being cut away to provide a horizontal shelf at the inner edge of the section with the shelf being located below the free end of the lower section and both free ends of the upper section being beveled adjacent the outer longi-

tudinal edge so that movement of the upper section inwardly of the opening permits said upper and lower sections to be removed from the stile, a bevel surface along the upper edge of the bottom rail, a complemental bevel surface along the lower edge of the panel spaced from the bevel surface of the bottom rail to define a downwardly inclined



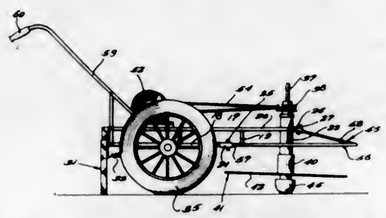
channel to serve as a drain for moisture, a second panel of sufficient dimensions as to close one-half of said opening mounted for sliding movement on said guide rails, and complemental means on said second panel and said stiles to secure the second panel at various positions relative to the first-named panel.

2,595,976

POWER SCYTHE AND STALK CUTTER

Carl Thompson Patterson, Adrian, Mo.

Application January 10, 1946, Serial No. 640,315
1 Claim. (Cl. 56—25.4)



A power scythe and stalk cutter comprising a frame and prime mover supported thereon, said frame including vertically spaced upper and lower longitudinal side members having converging ends, a vertical tubular member secured to the converging ends of said side members, a cutter having a shaft journaled in said tubular member and drivingly connected to said prime mover, a spaced parallel extensions, socket members carsubstantially circular guard rail having a diameter larger than said cutter and terminating in ried by said lower side members and receiving said guard extensions, means removably retaining said guard extensions in said socket members, a downwardly inclined socket member secured to said tubular member, an elongated brace rod secured at one of its ends to said guard rail and received at its other end in said inclined socket member, and means removably retaining said brace rod in said inclined socket member.

2,595,977

STABILIZING WOOL AGAINST SHRINKAGE

Stockman C. Peckham, deceased, late of Wilmington, Del., by Gladys W. Hill, executrix, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 2, 1949, Serial No. 108,236
7 Claims. (Cl. 19—146)

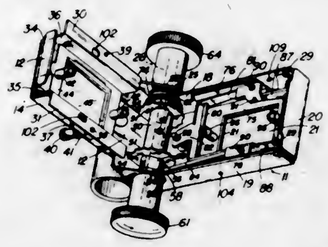
1. A blend of fibers comprising wool fibers and from 15% to 40% by weight of said blend of staple fibers prepared from an acrylonitrile polymer containing at least 85% acrylonitrile.

2,595,978

FILMSTRIP TRANSPORTING MECHANISM

Florindo J. Perillo, Jackson Heights, and David Pollan, Sunnyside, N. Y., assignors to Viewlex, Inc., Queens County, N. Y., a corporation of New York

Application April 12, 1950, Serial No. 155,464
10 Claims. (Cl. 88—28)



1. In filmstrip transporting mechanism having separable pressure plates held together by resilient means, separating means for said plates comprising, a box frame having side flanges extending at right angles to a flat plate, a pair of spaced parallel shafts mounted in said frame, a fork pivotally supported on one of said shafts with its legs extending parallel to said flanges, said fork having a tongue extending in the opposite direction from said legs, a stud mounted in said flat plate and extending through said tongue, a compression spring surrounding said stud and pressing against said tongue, a yoke pivotally mounted on the other of said shafts and having ends engageable by the ends of said fork, pins carried by and extending outwardly from the ends of said yoke, said fork having a lever portion, a cam adapted to move said lever, and means attached to one of said pressure plates adapted to be acted on by said pins.

2,595,979

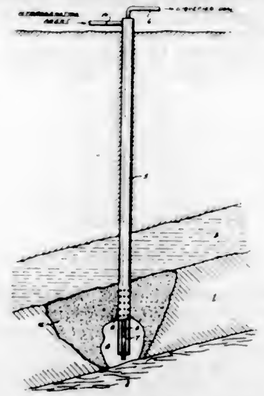
UNDERGROUND LIQUEFACTION OF COAL

Ernest F. Pevere, Beacon, and George B. Arnold, Glenham, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application January 25, 1949, Serial No. 72,582
2 Claims. (Cl. 196—53)

1. A process for the recovery of coal from underground deposits which comprises contacting the coal in situ with a hydrogenating agent selected from the group consisting of free hydrogen and hydroaromatic compounds at a temperature within the range from about 550° F. to about 850° F. and a pressure above about 1,000 pounds per

square inch gauge effective to hydrogenate a portion of the coal substance to form a liquid, and



recovering the resulting liquefied coal substance from the underground deposit.

2,595,980

SIGNALING APPARATUS

Ferdinand J. Neubauer, Muscatine, and Oakley W. Neubauer, Walcott, Iowa

Application March 16, 1950, Serial No. 150,019
5 Claims. (Cl. 116—133)

1. A signalling implement for use in connection with power-actuated hay forks for transferring hay from a load to the mow of a hay barn, including a dial plate attachable to one end of a hay barn, a corresponding dial plate attachable to the opposite end of the barn, both dial plates having a similar series of directive words or signs thereon, a connecting rod having its opposite ends journaled in the dial plates respectively and projecting a short distance beyond the plates, corresponding pointers usable as levers rigidly united to the opposite ends of the rod close to the faces of the dials respectively whereby the rod may be rotated by manual movement of either of said lever pointers and both of said pointers thereby moved simultaneously to any of the corresponding signs or words upon their respective dials.

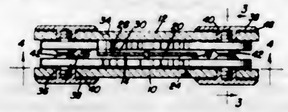
2,595,981

KEY HOLDER HAVING VISUAL PERCEPTIBLE KEY INDICATING MEANS

Wilber W. Prickett and Mona E. Prickett, San Diego, Calif.

Application March 20, 1950, Serial No. 150,736
7 Claims. (Cl. 70—456)

6. A key holder comprising a pair of side walls, a partition member located between and spaced from the side walls, said partition member including a first diagonal partition on one side engaging the inner face of one side wall to define with the partition member and said one side wall upper and lower key receiving compartments, said partition member including a second diagonal partition on its other side intersecting the first partition and defining with the other side wall and the partition member upper and



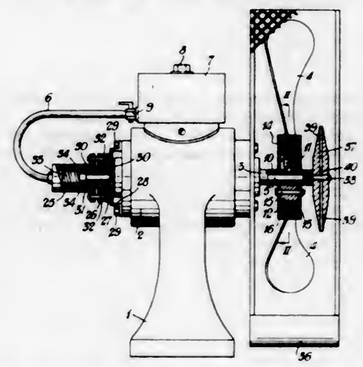
lower key receiving compartments, said second partition engaging the inner face of said other side wall, sleeves integrally formed with the ends of the partitions disposed transversely thereof, each of said sleeves contacting one of the side walls, a screw securing each sleeve to the wall it contacts and a manually rotatable key holding member at each end of each wall.

2,595,982

VAPORIZING DEVICE FOR DISINFECTANTS AND THE LIKE

James Edward Randolph, Edinburgh, Scotland

Application October 7, 1950, Serial No. 188,915
In Great Britain October 10, 1949
9 Claims. (Cl. 21—126)



1. A vaporizing device for liquid disinfectants or the like comprising a shaft having an axial bore and supporting a plurality of fan blades, means for rotating said shaft, means for supplying liquid disinfectant to the bore of said shaft, and radially arranged vaporizing screens carried by said shaft and in communication with the bore thereof whereby liquid fed to the shaft is discharged by centrifugal force through said screens and vaporised, the resultant vapour being distributed by the fan blades as they rotate.

2,595,983

HEAT-SET INKS COMPRISING POLYVINYL TERPENE ETHERS

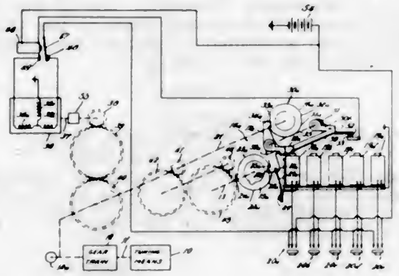
Walter S. Ropp, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 25, 1950, Serial No. 181,587
8 Claims. (Cl. 260—33.6)

1. A heat-set printing ink containing coloring matter dispersed in a vehicle comprising a resin-

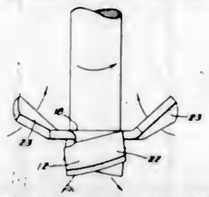
ous binder component in solution in a solvent therefor which is substantially nonvolatile at 70° F. but which has a comparatively high vapor pressure at temperatures of the order of 200–240° F., the major part of said resinous binder component being a resinous polymer of a vinyl ether of a terpene alcohol, the resinous polymer having a drop softening point of at least 130° C.

2,595,984
TUNING MECHANISM
Leo D. Sacre, Park Ridge, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application August 20, 1945, Serial No. 611,588
7 Claims. (Cl. 192—142)



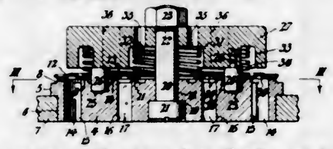
1. In a mechanism for moving the tuning shaft of tunable wave signaling apparatus to a predetermined setting within a predetermined rotational range, a control unit for stopping said shaft when rotated to said predetermined setting comprising a rotatable camming element having a rotational range corresponding to said predetermined rotational range and operative to determine said predetermined setting of said shaft with approximate accuracy, a latching element having a portion engaging said camming element, driving means for rotating said camming element in either direction, switch means ccupled to said latching element for controlling said driving means, said camming element having a portion engaging said portion of said latching element when said camming element is rotated in one direction to a predetermined position corresponding to said predetermined shaft setting, with said portion of said latching element sliding over said portion of said camming element when said camming element is rotated in the other direction past said predetermined position, said camming element operating through said latching element and said switch means to control the direction of rotation of said driving means in accordance with the position of said camming element and being operative to reverse the direction of said driving means when said camming element is rotated past said predetermined position in said other direction, to rotate said camming element in said one direction back to said predetermined position, and rotatable means having a rotational range several times greater than the rotational range of said camming element and cooperable with said latching element when said latching element is operated in said predetermined manner to stop rotation of said camming element when rotated precisely to said predetermined position.

2,595,985
DRINK MIXER AGITATOR
Fred C. Schwaneke, Chicago, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Application April 17, 1948, Serial No. 21,717
3 Claims. (Cl. 259—134)



1. A drink mixer agitator comprising a rotatable shaft, a mixing element carried by said shaft having a plurality of radially extending blades, alternate blades being bent upwardly and downwardly from the point of attachment to the shaft so as to sweep through different areas, the upwardly bent blades being so pitched as to direct part of the mix upwardly and the downwardly bent blade being so pitched as to direct another part of the mix downwardly as the agitator is rotated.

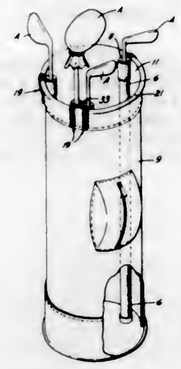
2,595,986
CONCENTRIC TYPE VALVE
Bernard L. Schwaller, Wayne, Pa., assignor to Durabla Manufacturing Company, New York, N. Y., a corporation of New York
Application August 25, 1949, Serial No. 112,277
5 Claims. (Cl. 251—119)



1. In a valve of the type described, a seat member having radially-spaced pairs of concentric seats with series of intervening segmental flow ports; annular valve elements coactive with the respective pairs of concentric seats; circumferentially spaced sockets pins or studs intervening the annular valve elements having their upper end surfaces in a common plane, said pins or studs affording mutual guidance for the valve elements during opening and closing, as well as defining a definitely spaced stop level; a combined guard and valve-lift controller supported on said pins or studs; a center-bolt securing the seat member, combined guard and valve-lift controller, and the guide pins or studs in coactive assembly; concentric means in compression intermediate the guard and the respective annular valve elements, serviceable to normally influence the valve elements to the respectively associated pair of concentric seats; and one of the pins or studs aforesaid including means effective to correctly position the combined guard and lift-controller so as to prevent interference with the intended flow through the valve.

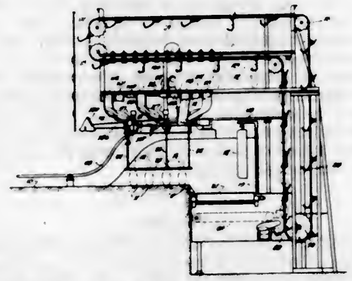
2,595,987
GOLF CLUB HOLDER
Donald E. Shears, Novato, Calif.
Application March 10, 1950, Serial No. 148,971
6 Claims. (Cl. 150—1.5)

1. Means for containing and protecting individual golf clubs in a golf bag having an open top bounded by a rim portion comprising, an elongated tubular sleeve-like casing adapted to receive and enclose the handle and shaft portion of a golf club, and clip means including a rigid portion secured to said casing adjacent an end



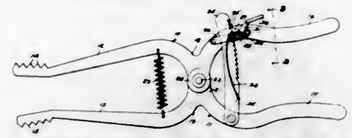
thereof and an integrally formed portion extending therefrom and into opposed juxtaposition therewith to define clamp means adapted for attachment to said bag rim portion for releasably supporting said casing within the interior of a golf bag.

2,595,988
PIN-RESETTING MECHANISM
Arthur M. Simpson, Lexington, Ky., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application April 3, 1948, Serial No. 18,806
8 Claims. (Cl. 273—43)



1. In a pin-resetting mechanism for bowling alleys, in combination, a pin-setting carriage including primary pin storage devices; secondary pin storage devices above said carriage; means to shift said carriage between an upper loading position adjacent said secondary pin storage devices and a lower setting position close to the alley surface; a resetting frame under said carriage with openings in the frame whereby pins may be set through the frame by the setting devices of the carriage; said resetting frame being separate from and movable independently of said carriage but normally positioned immediately below and in contact with the carriage and adapted to move with the carriage in the pin-setting operation; means to shift the resetting frame downwardy with respect to the carriage to bring the frame to a resetting position close to the alley surface while the carriage remains in its upper loading position; gripper means carried by the frame adjacent each of its openings to engage the neck of a pin thereunder, and means to lift the frame to an intermediate position while retaining the carriage in its upper loading position whereby the carriage may receive pins from the secondary storage means as the resetting operation progresses, and the pins standing on the alley are lifted from the surface of the alley and suspended from their necks to permit the down pins to be swept into the pit.

2,595,989
FISHMOUTH HOLDING TOOL
Harry H. Smelts, Baden, Pa.
Application January 24, 1949, Serial No. 72,296
1 Claim. (Cl. 43—53.5)



An implement for insertion into the mouth of a fish and holding the mouth open comprising a pair of elongated jaw members mounted to move about a common axis, outwardly extending fish mouth engaging teeth carried by the jaw members adjacent the ends thereof remote from the common axis, a retractile coiled spring connected at opposite ends to the jaw members between the common axis and the teeth for yieldingly urging the jaw members to close, handles carried by the jaw members and projecting therefrom in a direction away from the common axis, a U-shaped guide carried by one of the handles adjacent the common axis and on the other side of the axis from the spring, a ratchet bar carried by the other handle adjacent the common axis and extending across the other handle and through the guide, a latch dog pivotally carried by the guide for engaging the ratchet bar for holding the jaws against movement about the common axis under the influence of the coiled spring, a thumb lever connected to the latch dog for movement therewith, a torsion spring carried by the guide, an arm carried by the torsion spring and engaging the ratchet bar adjacent its pivotal connection to its respective handle, and an arm carried by the torsion spring and engaging the thumb lever for rocking said thumb lever and advancing the latch dog into engagement with the ratchet bar.

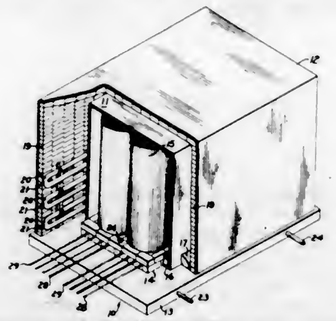
2,595,990
WHIRLING TOY
Albert M. Steiner, Cincinnati, Ohio
Application April 11, 1950, Serial No. 155,187
2 Claims. (Cl. 46—49)



1. A rotatable toy comprising a pair of spaced plates, spacer elements interconnecting said plates, a sound making element mounted in the side wall of one of said plates, a color panel mounted on the exterior surface of the same

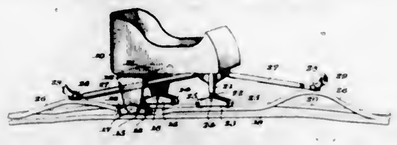
plate as the sound making element, and means for intermittently screening the sound element during rotation of the toy and simultaneously screening portions of said color panel.

2,595,991
ANNEALING
Fred C. Sweeney, Steubenville, Ohio, assignor to National Steel Corporation, a corporation of Delaware
Application December 9, 1948, Serial No. 64,301
6 Claims. (Cl. 263—52)



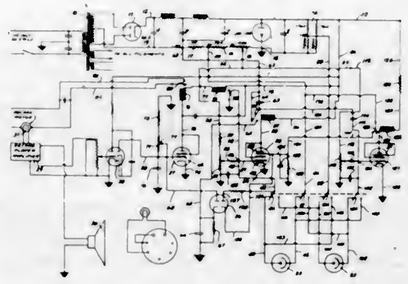
1. In the process of annealing a ferrous metal article in an annealing furnace including a base for supporting the article and a removable cover for covering the article on the base while being annealed, the combination of steps comprising, heating the uncovered base while exposed to atmospheric air, arranging the furnace cover over the article on the base while the base is at a temperature above 212° F., and heating and annealing the covered article while maintaining a controlled atmosphere within the cover about the article, the cover being placed on the base while at said temperature to inhibit subsequent contamination of the controlled atmosphere within the cover.

2,595,992
AMUSEMENT TRACK APPARATUS
Ernest Thomas James Tapp, and Joseph Davey, Fleet, England, assignors to County Commercial Cars Limited, Fleet, England, a British company
Application August 26, 1947, Serial No. 770,662
In Great Britain August 8, 1946
Section 1, Public Law 690, August 8, 1946.
Patent expires August 8, 1966
9 Claims. (Cl. 104—63)



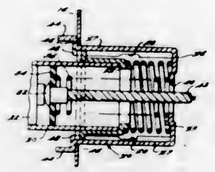
1. An amusement track apparatus comprising two outer track rails, an intermediate track rail extending along with the outer rails and having its location with respect to the two outer rails varying along the length of the rails, a passenger carrier, a supporting flanged wheel unit on one side of the carrier and mounted on one of the outer rails, a supporting flanged wheel unit on the other side of the carrier and mounted on the other outer rail and a third supporting flanged wheel unit between the aforesaid wheel units but spaced longitudinally of the carrier from said wheel units and mounted on the intermediate rail, and means for pivotally mounting the wheel units on the carrier for pivotal movement about vertical axes.

2,595,993
ELECTRONICALLY CONTROLLED ADVERTISING DEVICE
Basil Edgar Templeman and Henry Milton Recker, Quincy, Ill.
Application August 25, 1947, Serial No. 770,524
24 Claims. (Cl. 179—100.3)



1. A control for sound reproduction, including an electrically operable sound reproducing means, control mechanism to cause the sound reproducing means to operate, the said mechanism having starting means operable to actuate the control mechanism to start operation of the sound reproducing means, the starting means including an instantaneously operatable device, means responsive to instantaneous operation of that device to produce a starting potential of longer but limited duration to start the sound reproducing means and maintain the same in operation only for the duration of said potential, and means dependent upon production of an audio signal by the sound reproducing means to produce a potential to maintain the control mechanism and the reproducing means in operation beyond said period of time and for the duration of the audio signal.

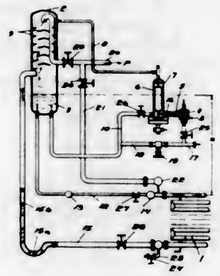
2,595,994
LAMP SOCKET SUPPORTING MEANS
George J. Thomas, Birmingham, Mich., assignor to Watts Electric & Mfg. Co., Birmingham, Mich., a corporation of Michigan
Application December 18, 1947, Serial No. 792,371
3 Claims. (Cl. 173—339)



1. A lamp socket supporting fixture adapted to be secured to a supporting element having an aperture therein, said lamp socket supporting fixture comprising a first member having a base portion and a jaw portion, a second member adapted to engage one face of said supporting element and mounted on said first member for

movement therealong, spring means engaging said base portion and said second member to yieldably urge the latter along said first member in a direction toward said jaw portion, said fixture being rotatable relative to said supporting element, said jaw portion being adapted to be inserted through said aperture in said supporting element in one rotative position of said fixture relative to said element and rotated to another rotative position, and when so inserted and rotated, to engage the opposite face of said supporting element, and means on said second member adapted to project into a portion of said aperture in said another rotative position of said fixture to engage said supporting element and yieldably hold said fixture against rotation from said another position.

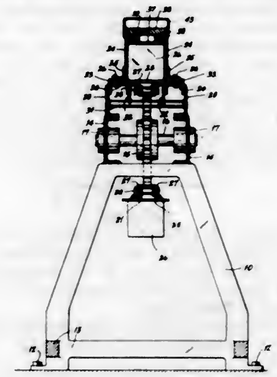
2,595,995
REFRIGERATING PLANT
Carl Thorwid, Uppsala, Sweden
Application November 2, 1949, Serial No. 124,991
In Sweden May 20, 1947
3 Claims. (Cl. 62—126)



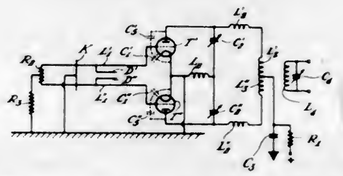
1. A refrigeration plant comprising the combination of an evaporator for the refrigerant, a reducing valve inserted in a conduit for the refrigerant to the evaporator, and a receiver suction trap for the refrigerant inserted in a conduit from the evaporator, said suction trap being disposed at a higher level than said evaporator, said evaporator being connected at its upper end with said receiver suction trap at the lower end thereof, and said evaporator being connected at its lower end with said receiver suction trap above the normal level of liquid refrigerant therein, said conduit connecting the lower portion of said evaporator with said receiver suction trap being provided with a bend said bend being adapted to prevent the formation of a continuous liquid column in a vertically extending portion of said conduit.

2,595,996
MOLDING MACHINE
Gerrit J. Van Amersfort, St. Louis, Mo.
Application March 23, 1945, Serial No. 584,323
10 Claims. (Cl. 107—8)

1. In an apparatus of the class described, the combination of an endless conveyor, with a series of angle plates pivotally connected to said conveyor having one wall parallel therewith and one wall perpendicular thereto, a tunnel through which said plates move successively, said tunnel comprising side vertical walls and a top wall forming chambers with said plates, a filler opening arranged to discharge material successively into said chambers, and means for moving said conveyor at regulated speeds in timed relation to the rate of solidification to permit the material delivered to said chambers to substantially solidify by the time it leaves said tunnel.



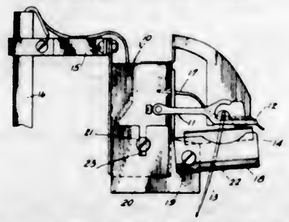
2,595,997
RECEIVER FOR SHORT WAVES
Adelbert van Weel, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 12, 1946, Serial No. 683,001
In the Netherlands October 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 27, 1963
1 Claim. (Cl. 250—20)



A high frequency mixing circuit arrangement tunable over a wide frequency band, comprising first and second electron discharge mixer elements each comprising a cathode, a control grid and an anode, a first Lecher system comprising two Lecher lines each connected to the control grid of one of said mixing elements, said Lecher system having a given surge impedance and having a given terminal capacity consisting essentially of the input capacitance of said mixer elements connected in series, means coupled to said Lecher lines to apply a signal wave to said Lecher lines in push-pull relationship, a second Lecher system comprising said two Lecher lines and a conductor in spaced relationship to said Lecher lines, said conductor being coupled to the cathode of said mixing elements in the same phase relationship, means to apply an oscillator wave to said two Lecher lines in the same phase relationship, said latter means comprising an inductive reactance having one end thereof coupled to said cathodes and having the other end thereof coupled to said anodes, said second Lecher system having a terminal capacity consisting essentially of the input capacity of said mixer elements connected in parallel and having a surge impedance substantially equal to one-fourth of the surge impedance of said first Lecher system, a short circuit bridging member interconnecting said Lech-

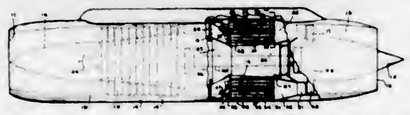
er lines and said plate member, said bridging member being movable along the length of said Lecher lines to vary the effective length of said Lecher lines to thereby simultaneously vary the resonant frequencies of said first and said second Lecher systems through a given frequency range while maintaining a substantially fixed frequency difference between said resonant frequencies, and means coupled to said anodes in push-pull relationship to derive therefrom an intermediate frequency wave having a frequency substantially equal to said fixed frequency difference.

2,595,998
TOP BOX WITH A THREAD CUTTER FOR KNITTING MACHINES
Edward Vossen, Lynbrook, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application November 29, 1950, Serial No. 198,088
7 Claims. (Cl. 66—159)



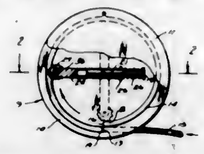
1. A top box with a thread cutter for a knitting machine, comprising a top box having a depressible horizontal pivoted arm with thread guiding fingers which pivots downwards when a pull develops in a thread guided over said fingers, a knife positioned a short distance beneath said fingers and extending longitudinally of said fingers, and means for attaching said knife to said top box in its said position.

2,595,999
POWER PLANT COMBUSTION APPARATUS HAVING APERTURED COMBUSTION CHAMBER WALLS
Stewart Way, Pittsburgh, and Albert E. Hershey, Wilkinsburg, Pa., and John R. Boyd, Urbana, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 23, 1943, Serial No. 511,468
8 Claims. (Cl. 60—39.65)



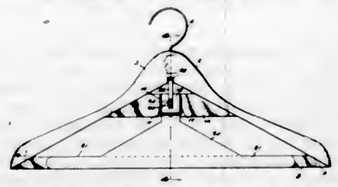
1. Power plant combustion apparatus for heating compressed air to provide high-velocity motive fluid comprising a casing structure, a central core structure defining with said casing structure an annular flow passage, a wall structure mounted within said annular passage and dividing said passage into a burner space and a pair of overlapping air spaces at opposite sides thereof, said wall structure including a pair of conical wall elements joined at their forward ends and forming a burning space diverging relatively toward the rear, the wall elements having apertures therein to provide for the admission of air from the air space to the burner spaces.

2,596,000
FLUID MOTOR OPERATED TOY VEHICLE
Gerhart Weiss, Long Island City, N. Y.
Application July 20, 1946, Serial No. 685,218
17 Claims. (Cl. 46—111)



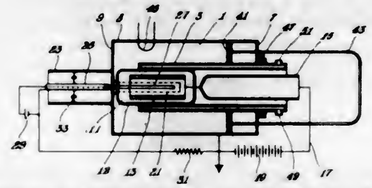
17. In combination, a toy motor which is operable by fluid pressure, a tank for supplying fluid under pressure to said motor and a toy vehicle adapted to be driven by said motor, means for attaching said tank and said motor to said vehicle, means for supplying fluid under pressure to said tank, said toy motor comprising a rotor which includes a pressure element, a substantially circular track spaced from said rotor, a collapsible tube extending around said track, said tube being open at one end and having means for forcing a fluid under pressure through said tube at said other end, said pressure element being adapted to press against and collapse a small section of said tube and means cooperating with said pressure element of said rotor adapted to move said pressure element past the dead point that occurs where the pressure end of the tube first contacts the track.

2,596,001
GARMENT HANGER
Edwin F. Wyatt, Raleigh, N. C.
Application March 21, 1950, Serial No. 150,891
1 Claim. (Cl. 223—91)



In a garment hanger a pair of rigidly connected, downwardly diverging, coat-supporting arms; a straight bottom bar rigidly connected at opposite ends to the lower ends of said arms and extending between the arms; a second bar constituting a base and rigidly connected at opposite ends to intermediate portions of the arms and extending between the arms, said second-named bar being disposed in parallelism with and being spaced above the bottom bar, both bars being of reduced thickness as compared to the thickness of said arms, the second-named bar having an upwardly extending slot formed therein intermediate its ends, said slot extending transversely of the second-named bar, the second-named bar having a shallow longitudinal recess; a coil spring having legs extending laterally thereof at opposite ends, one leg of the spring extending through said slot and being hooked upon the second-named bar, said spring being seated in said recess; a gripping member having a tongue at its upper end and having an elongated clamping bar at its lower end extending in longitudinal alignment with and alongside the bottom bar, said gripping member being of reduced thickness as compared to said arms, the gripping member, and bars, together being confined wholly within the plane of said arms, the gripping member having a shallow recess formed in the tongue thereof in which the other leg of said spring is seated, the spring constituting a pivot for pivoting of the gripping member upon the second-named bar; a spring latch extending obliquely from and rigidly connected to said tongue, said spring latch extending upwardly from the tongue; and a spring catch mounted upon said arms at the point of convergence thereof, said spring catch being adapted to engage the latch releasably when the gripping member is pivoted outwardly from the bottom bar.

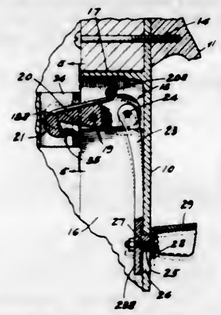
2,596,002
DEVICE FOR ULTRAHIGH FREQUENCIES
David Zaayer, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 12, 1946, Serial No. 682,986
In the Netherlands February 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 22, 1963
5 Claims. (Cl. 315—5)



1. An ultra high frequency electronic device comprising an electron discharge tube having an insulating envelope with a cathode, a grid and an elongated tubular anode enclosed therein, said grid and said cathode being coaxially positioned within said anode, and a reentrant cavity resonator having a tubular outer conductor surrounding said tube and a tubular inner conductor coaxial with said outer conductor and connected to one end thereof, the other end of said outer conductor being closed, said tube being received within said inner conductor to an extent at which a portion of said anode is surrounded by said inner conductor to effect capacitive coupling for high frequencies therebetween, said envelope acting as a dielectric between said anode and said inner conductor, said grid being connected to said closed end of said outer conductor.

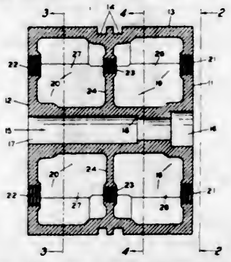
2,596,003
DOOR LATCH
Domenick Acocello, Los Angeles, Calif.
Application April 13, 1950, Serial No. 155,653
5 Claims. (Cl. 292—127)

3. In a lock structure of the kind described, an elongated escutcheon plate secured with its length extending vertically to the outer face of a swingable cabinet door, a housing secured to the inner face of said escutcheon plate and occupying the upper part of a vertical slot through said door over which said escutcheon plate forms a closure, said housing being of an inverted U shape in cross section and open below and at the side thereof which is directed away from said plate, a catch lever in part occupying the space between the sides of said housing, a pin carried by said housing, said pin extending through the mid-length portion of said lever and supporting the latter for swinging movement in a vertical plane, said catch lever having outwardly spaced from said open side of said housing an end portion furnished with a downwardly extending catch-forming nose in a cooperative relation to stationary latching means carried by a shelf of the cabinet, said lever having along its upper side portion a longitudinal groove, a wire spring to control the swinging movement of said lever,



mounting means for said spring carried by said housing and mounting the spring in a position wherein an end portion thereof extends along said groove, and manually operable means connected with said lever to move it to unlocked position in opposition to said spring.

2,596,004
CLEARANCE POCKET TYPE COMPRESSOR PISTON
William R. Barrett, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 24, 1947, Serial No. 724,064
20 Claims. (Cl. 230—237)

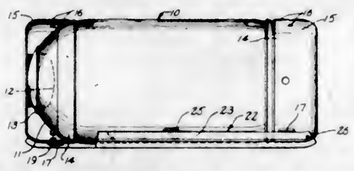


1. A piston for use in reciprocating gas compressors comprising two piston heads rigidly connected to either end of a gas-tight cylindrical sidewall member, and means for attaching the piston to a piston rod; a plate means within the piston transverse to the axis thereof and forming a gastight connection with the cylindrical sidewall at a fixed distance from either end of the piston and forming a space between said transverse plate means and either end of the piston; and openings in the piston heads for communication with said spaces.

2,596,005
SKID SUPPORTED TANK
James R. Barrow, Columbiana, Ohio, assignor to The Columbiana Boiler Company, Columbiana, Ohio, a corporation of Ohio
Application April 11, 1949, Serial No. 86,669
1 Claim. (Cl. 280—5)

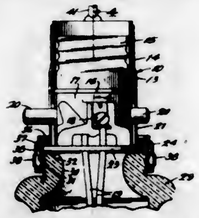
In combination, a cylindrical tank having rounded ends and a supporting skid structure,

said skid structure comprising a pair of parallel runners, cross bars connecting said runners, one cross bar toward each of the ends of said runners and one medially between said ends, each of said cross bars being of arcuate form between its ends to provide a seat for the tank and having its ends downwardly angled to form legs for securement to said runners, a vertical, longitudinally disposed strengthening rib formed at each



end of the lower side of the arcuate portion of each of said cross bars immediately inward of the adjacent of said legs, a chine ring engaged over each end of the tank and secured to the adjacent of said cross bars, and annular pads encircling the ends of the tank and sloping downwardly and outwardly to provide shock-proof bearings against which the chine rings are wedgingly engaged when the same are secured to the said cross bars.

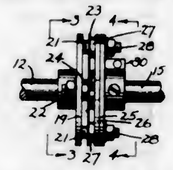
2,596,006
MEANS FOR ATTACHING ELECTRIC LAMP SOCKETS TO TUBULAR LAMP BASES
Carl Bramming, Anderson, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application October 9, 1948, Serial No. 53,645
7 Claims. (Cl. 240—52.6)



1. An electric lamp comprising in combination a molded lamp base having a large neck provided with an annular abutment, an electrical assembly adapted to receive and feed current to an electric light bulb, a substantially cylindrical outer shell for receiving the electrical assembly, a retaining disc for the electrical assembly and securing means on the outer shell adapted to secure the outer shell to the large neck of the lamp base with the retaining disc engaging the annular abutment of the lamp base and thereby holding the electrical assembly in position within the shell.

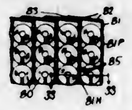
2,596,007
ADJUSTABLE SHAFT CONNECTOR
Ernest J. Casaroll, Detroit, Mich.
Application December 29, 1945, Serial No. 638,044
4 Claims. (Cl. 287—130)

1. An adjustable shaft connector adapted for use between a pair of movable shafts, including a pair of flanges disposed adjacent each other, one on each of the shafts, the said flanges having interacting portions adapted to allow relative rotational movement of the said flanges during adjustment and to secure the said flanges together in an adjusted position to prevent relative movement thereof, a pair of pillars extending one from each of said flanges, an adjusting member



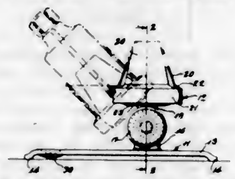
disposed between said pillars in sliding engagement through one of said pillars and screw-threaded engagement with the other, and resilient means disposed between said pillars to space them under tension.

2,596,008
HEAT EXCHANGER
Samuel Cornette Collins, Watertown, Mass., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 20, 1948, Serial No. 3,217
2 Claims. (Cl. 257—245)



1. A heat exchanger comprising a series of nested shallow pans defining narrow flow passages, and turbulence creating means cooperatively associated with said pans in said flow passages for repeatedly remixing the portions of the fluid flowing through said passages, said turbulence creating means being in the form of helical coils arranged cross-wise in said flow passages and secured to both sides of the bottoms of alternate pans only, the pans between said alternate pans being in contact with but not secured to the coils.

2,596,009
BOTTLEHOLDER
Kathleen M. Connor and Charles Warren Bogan, Washington, D. C.
Application September 16, 1947, Serial No. 774,396
1 Claim. (Cl. 248—346)



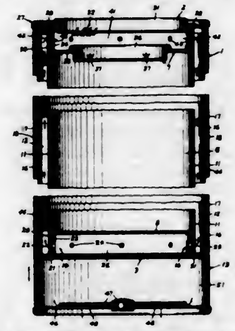
A support for holding bottles that comprises a base member, a pair of upright resilient elements positioned in spaced relation on said base member, said elements having recessed seating surfaces on their inwardly facing sides, a bottle retaining member including spaced resilient upright leaves to resiliently engage a bottle, a pair of resilient flanges connected to said bottle retaining member on opposite sides, said flanges having protruding surfaces on their outwardly facing sides complementary to the recessed seating surfaces of said elements, said protruding surfaces

being fitted into said seating surfaces in frictional engagement therewith so that said retaining member can be tilted relative to said base member and held in the tilted position thereby.

2,596,010
SOLVENT EXTRACTION OF VEGETABLE OILS
Chester C. Crawford, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 9, 1948, Serial No. 64,427
8 Claims. (Cl. 260—412.4)

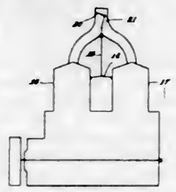
1. The improved method of selectively extracting vegetable oil with a minimum of color bodies from a vegetable material which comprises the steps of flaking said vegetable material; contacting said flaked vegetable material with a solvent consisting essentially of C_6 isoparaffins and containing at least 80 volume per cent of at least one methylpentane selected from the group consisting of 2-methylpentane and 3-methylpentane, not more than 0.5 volume per cent aromatics, and not more than 5 volume per cent naphthenes; separating resulting miscella from residue vegetable meal; separating said solvent and extracted oil of said miscella; and stripping said solvent from said extracted oil.

2,596,011
DUST GUN
Merrill M. Darley, Jackson Heights, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application July 17, 1948, Serial No. 39,232
7 Claims. (Cl. 43—147)



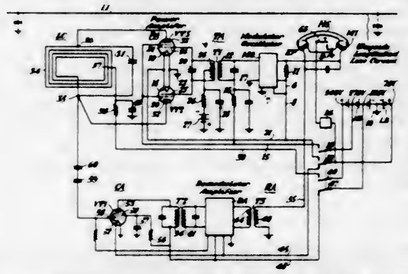
1. A dust spray dispenser comprising a housing, a dust container rigidly mounted in said housing and including air-impervious side walls and an air-impervious bottom end closure, the outside periphery of said container being appreciably smaller than the inside periphery of said housing to thereby form an annular-like passage to facilitate flow of air longitudinally along the outside of said container side walls; there being an air-dust mixing and distributing chamber in said housing disposed above said container and communicating with said container by a dust aperture, with the atmosphere by an air-dust spray aperture, and by a plurality of peripherally spaced-apart air flow distributing apertures with the upper end of said passage; an air distributing chamber below said container and communicating by a plurality of peripherally spaced-apart air flow distributing apertures with the lower end of said passage; and means associated with the lower end of the housing for supplying air under compression to said air distributing chamber.

2,596,012
THERMOSTATIC FUEL VALVE CONTROL FOR HOT-GAS ENGINE HEATERS
Heinrich de Brey, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., trustee
Application September 17, 1945, Serial No. 616,926
In the Netherlands June 11, 1945
2 Claims. (Cl. 60—24)



1. A device of the character described in combination with heater means including at least one valve, which heater means are subject to expansion and contraction, and means including a strip of elastic material gently bowed between two of said heater means while in a mutually cold state for coupling said valve to said heater means in a highly amplifying sense whereby positive movement of said valve on expansion and contraction of said heater means is facilitated.

2,596,013
TRANSMITTING AND RECEIVING CIRCUITS FOR INDUCTIVE CARRIER COMMUNICATION SYSTEMS
Kenneth E. Doriot, Swissvale, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application January 17, 1950, Serial No. 139,093
2 Claims. (Cl. 179—82)



1. In communication equipment, the combination comprising, a transmitter including a modulator oscillator and an output power amplifier, said modulator oscillator including means operable to supply a given carrier modulated by a given signal frequency, said output amplifier including an electron tube having an anode, a cathode and a control electrode and provided with means to couple its control electrode and cathode to said modulator oscillator; a receiver including a demodulator amplifier and an input carrier amplifier, said demodulator amplifier including means operable to demodulate said given carrier modulated by said given signal frequency; said input amplifier including an electron tube having an anode, a cathode and a control elec-

trode and provided with means to couple its anode and cathode to said demodulator amplifier; a loop circuit including a relatively large air core coil and a capacitor and tuned to resonance at the frequency of said carrier, a transmitting medium including a conductor adapted to transmit modulated carrier current and disposed for inductive relationship with said coil, a resistor provided with a by-pass capacitor which is effective to pass said given carrier, another capacitor, a power source, a sending circuit including said loop circuit, said resistor and said power source in series connected at times across said anode and cathode of said power amplifier tube to inductively supply said modulated carrier directly from the anode-cathode circuit of the power amplifier to the transmitting medium, and a receiving circuit including said loop circuit, said another capacitor and said by-pass capacitor in series permanently connected across said control electrode and cathode of said carrier amplifier tube to enable said receiver to inductively receive modulated carrier flowing in said transmitting medium when the receiver is activated.

2,596,014

PREPARING WET STRENGTH PAPER USING POLYARYLBIGUANIDE-UREA RESIN

James R. Dudley, Darien, and John A. Anthes, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 5, 1947, Serial No. 732,660
12 Claims. (Cl. 92—21)

1. A method of producing wet strength paper which comprises applying to the fibers thereof about 0.1% to 5% of a resinous composition comprising a urea-formaldehyde resin having intercondensed therein a water-soluble product of reaction of (1) dicyandiamide with (2) the product of reaction, under acid conditions, of formaldehyde and an amine selected from the class consisting of primary aromatic monoamines and secondary monoamines having at least one monovalent aromatic radical attached to the amine nitrogen atom, the formaldehyde and the amine being employed in the ratio of from about 0.5 to about 1.5 mols of formaldehyde per mol of the amine, and the dicyandiamide of (1) being employed in an amount corresponding to at least about 0.9 mol thereof per mol of the amine used in forming the reaction product of (2) and then heating said paper at a temperature of at least 230°–260° F. for about 1–2 minutes to cure said resin.

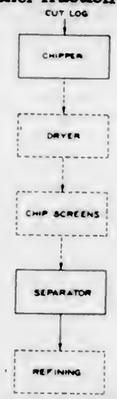
2,596,015

WOOD-CHIP PREPARATION FOR DIGESTERS FROM UNBARKED LOGS

Archibald B. Dunwody, Evanston, Ill.

Application November 2, 1948, Serial No. 57,947
1 Claim. (Cl. 241—23)

A process for the preparation of wood chips from unbarked logs, which comprises chipping into relatively small chips a log having its bark still on, drying the resulting chips from many such logs of substantially the same species of wood to a substantially uniform moisture content, screening the dried chips to approximate uniformity of size, passing said dried and screened chips into the high side of an inclined, riffled and air permeable surface, oscillating said surface while blowing a gaseous stream upwardly therethrough, all under such conditions as to separate said chips into fractions on the basis of apparent bulk density, collecting the following fractions separately as the chips are discharged from the lower side of said surface: a fraction of substantially uniform intermediate bulk density containing clean, bark- and knot-free chips suitable for manufacture into high grade paper; another fraction of relatively higher bulk density containing knots, another fraction of relatively lower



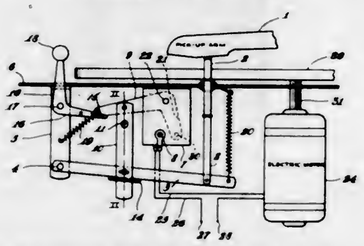
bulk density containing decayed wood, some bark and dirt; and still another fraction containing much bark and dirt, and temporarily storing said first-mentioned fraction for subsequently digesting into pulp, whereby the greater uniformity in the size and quality of the chips in said fraction and their lower, more uniform moisture content make for better and more accurate control in the digesting step.

2,596,016

SWITCHING DEVICE FOR PHONOGRAPHS

Sven Gustaf Falk, Stockholm, Sweden, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee

Application October 8, 1947, Serial No. 778,543
In Sweden June 28, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 28, 1966
4 Claims. (Cl. 274—1)



1. A switching device for phonographs comprising a support located laterally of the turntable of the phonograph and further adapted to support the pick-up arm thereof when the pick-up arm is in the rest position, first means movably mounting said support for permitting substantially vertically reciprocatory movement thereof whereby weight of the pick-up arm on said support will move said support downwardly, means biasing said support upwardly, an electric motor adapted to drive the turntable of the phonograph, switch contact means operatively associated with said electric motor, a switch

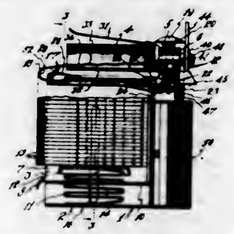
member mounted for movement to a position to bridge said contact means, manual means for moving said switch member to said contact bridging position, mechanical linkage means connecting said support to said switch member so that downward movement of said support moves said switch member out of said contact bridging position, said mechanical linkage comprising a snatch coupling connecting the switch member to said first means whereby movement of said switch member by said manual means to said contact bridging position takes place even when said support is kept in the down position.

2,596,017

BOBBY PIN DISPENSER AND HAIR CURLER

Arthur Filak, Newark, N. J.

Application December 23, 1948, Serial No. 66,890
5 Claims. (Cl. 132—34)



1. A novel article of manufacture, which comprises, in combination, means for dispensing bobby pins, said means comprising a plate for holding bobby pins in regular alignment, spring urging means located on both sides and near the bottom of said plate for moving the bobby pins along said plate, and spreading means located adjacent the top of said plate for opening the bobby pins, and other means for curling hair with the aid of the bobby pins, said other means comprising a hollow mandrel with a longitudinal slot therein, said mandrel having its longitudinal axis parallel to the top of said plate and being located adjacent the top of said plate and said spreading means so that the slot is suitable for the entry of an arm of a bobby pin after it has been opened by said spreading means, a clip carried by said mandrel, means to open said clip and actuate said spreading means, and means to rotate said mandrel to a predetermined extent, said last means comprising rack and pinion means for actuating the motion of the mandrel in one direction.

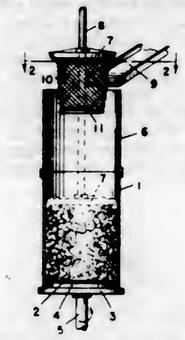
2,596,018

METHOD OF AND APPARATUS FOR FILLING AND PACKING CONTAINERS

Francis B. Fishburne, Asheville, N. C., Clarence H. Hinnant, Jr., Richmond, Va., and Thomas A. Ricks, Durham, N. C.

Application March 1, 1949, Serial No. 79,094
12 Claims. (Cl. 226—71)

1. The method of filling a cylindrical container with loose fibrous material which comprises rotating such container in a vertical position about its own axis, delivering a stream of material tangentially into the upper end of the container at a point adjacent the wall thereof, so that such material is deposited mainly in an annular zone, stopping the delivery of material after the desired amount has accumulated, and exerting pressure downwardly on the accumulated mass to compress



the same, whereby the material is packed less tightly at the center than at the sides.

2,596,019

LIQUID DAMPED GALVANOMETER

James L. Fisher, Tulsa, Okla., assignor to Century Geophysical Corporation, a corporation of Delaware

Application December 4, 1948, Serial No. 63,491
10 Claims. (Cl. 171—95)



1. In a galvanometer of the liquid-damped type including a vibratory element carrying a mirror adjacent its upper end and extending through the bore of a tubular casing, the improvements which comprise, a body of a damping liquid in said bore immersing said element to a level below said mirror, and a liquid seal interposed in said bore between said mirror and said damping liquid.

2,596,020

HOSE COUPLING

Edward H. Fletcher, Waterloo, and Lloyd D. Ethington, Cedar Falls, Iowa, assignors to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa

Application October 19, 1949, Serial No. 122,292
15 Claims. (Cl. 285—210)

1. A coupling of the character described, comprising: a first coupling member having opposite ends and provided with a recess having an open circular mouth at one of said ends and an in-

terior, coaxial cylindrical surface, the other of said ends having an exterior retainer portion thereon transverse to the axis of said surface; a second coupling member having opposite ends and provided with an external cylindrical surface leading to one end of said second member and of slightly less diameter than the interior cylindrical surface so that the second member may be inserted axially through the mouth of and into the recess with said one end of said second member disposed within the recess and the other end of said second member exposed at the mouth



of the recess, said exposed end having a retainer portion thereon transverse to the axis of said cylindrical surfaces and being spaced axially of the assembled members from the aforesaid retainer portion on the first member; and retainer means for interconnecting the coupling members against axial separation, including a plate-like element partially embracing the assembled members and having retainer portions spaced apart on the order of the spacing of the retainer portions of the members and respectively engaging the latter.

2,596,021

REFRIGERATING APPARATUS

Richard S. Gaugler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application April 8, 1950, Serial No. 154,770
5 Claims. (Cl. 62—108.5)



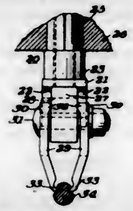
1. A freezing device comprising in combination, a tray adapted to contain a body of water to be frozen, said tray having a bottom which is continuously flat throughout its extension intermediate side and end walls thereof, a resilient grid capable of being manually distorted removably disposed in said tray, said grid including a set of transverse walls extending from said flat bottom of the tray to substantially the top thereof in spaced apart relation to form, when water is frozen therein, separated individual ice blocks extending continuously from one of said side walls to the opposite side wall of said tray, said grid also having a longitudinal wall formed integral with said set of transverse walls, said longitudinal wall depending into the tray and having its lower edge spaced a substantial distance above said continuous flat bottom thereof to score the upper portion and surface of the separated ice blocks intermediate their ends, and means for elevating said grid together with ice blocks adhering thereto relative to said tray whereby said grid may be distorted to split the ice blocks apart along said scorings into a plurality of smaller ice blocks and to simultaneously cause their release from said grid.

2,596,022

COMBINATION HANGER AND CLAMP FOR SUPPORTING ELECTRICAL CONDUCTORS

Albert H. Genter, Mount Lebanon, Pa.

Application May 27, 1948, Serial No. 29,490
2 Claims. (Cl. 191—43)



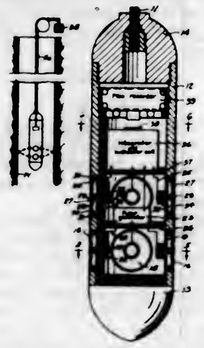
1. In means for supporting an electrical conductor, such as a trolley wire, from an overhead structure, the combination of a plate of insulating material, and provided on its sides with flat vertical side portions, means for supporting said plate from an overhead support, a pair of metal jaw plates mounted one at either side of said insulator plate, and depending below the same, said jaw plates below the insulator plate converging and each being provided at its lower extremity with an inwardly projecting horizontal straight and relatively sharp edge, which edges are arranged to grip the conductor between said jaw plates, the upper ends of said jaw plates being provided on their inner faces with straight horizontal fulcrum beads which bear against the flat faces of the sides of the insulator plate so as to maintain the bodies of said jaw plates out of contact with said insulator plate, the insulator plate and the jaw plates being provided with registering holes, a bolt with a threaded end extending through said registering holes, and a threaded nut applied to said bolt to cause the lower edges of the jaw plates to move toward each other and firmly engage the conductor from either side to secure the latter in place.

2,596,023

AUDIO CALIPER DEVICE

Ralph W. Goble, Denver, Colo., and Gordon Jackson, Long Beach, Calif., assignors, by direct and mesne assignments, to Eastman Oil Well Survey Company, Dallas, Tex., and Denver, Colo., a corporation of Delaware

Application December 16, 1944, Serial No. 568,542
13 Claims. (Cl. 181—0.5)



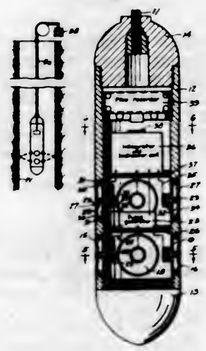
10. The method of calipering a well bore which includes lowering an instrument within the well bore, generating and simultaneously transmitting energy impulses radially outwardly from a plurality of radial points spaced equidistantly around the instrument whereby said impulses are directed outwardly against the wall of the well bore and are then reflected back to the instrument, receiving the reflected impulses at the same radial points from which said impulses were transmitted, taking measurements with respect to the instant of transmission of the transmitted impulses and the instant of reception of the received impulses at each station to determine the distance travelled by said impulses, and correlating all of the measurements taken to indicate the well bore diameter, irrespective of the position of the instrument with relation to the axis of the well bore.

2,596,024

AUDIO CALIPER DEVICE

Ralph W. Goble, Long Beach, Calif., and Gordon Jackson, Denver, Colo., assignors to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware

Original application December 16, 1944, Serial No. 568,542. Divided and this application October 9, 1950, Serial No. 189,280
8 Claims. (Cl. 181—.5)



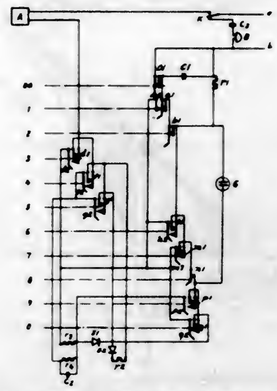
1. A caliper device for measuring the cross-sectional area of a well bore including, a housing adapted to be lowered within the well bore, means within said housing for generating and simultaneously transmitting a plurality of series of energy impulses radially outwardly from a plurality of radial points spaced equidistantly around said housing and in a manner such that each series is transmitted from said housing in a different radial direction within said well bore, whereby said impulses are directed outwardly against the wall of the well bore and are then reflected back to said housing, means within said housing for receiving each series of the reflected impulses at radial points spaced around said housing to correspond with said impulse transmitters, and means for taking measurements with respect to the instant of transmission of the transmitted series of impulses and the instant of reception of the received series of impulses at each radial point and for correlating all of the measurements taken to obtain information indicative of the distance travelled by said energy impulses.

2,596,025

SIGNALING OVER TELEPHONE LINES BY MEANS OF A NONLINEAR RESISTANCE

Svante Lennart Hjertstrand, Stockholm, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden

Application July 7, 1949, Serial No. 103,490
In Sweden January 3, 1948
7 Claims. (Cl. 179—16)



1. In a signalling system for automatic telephony, a bank of keys including a number of keys each having a break contact, a receiving device to which the subscriber's apparatus is connected in the exchange, a two wire line connecting said bank of keys with said receiving device, a main circuit including a source of direct current, said receiving device, said two wire line and all of said break contacts being connected in series, a plurality of shunt circuits each extending from one side of the line to various out points intermediate the break contacts, a number of resistances in said shunt circuits including at least one resistance dependent in value upon the polarity of the voltage impressed across same, each of said keys when operated connecting at least one of said resistances into the main circuit, a first relay in said receiving device and connected in the main circuit to be energized by the operation of any one of said keys, said first relay being energized during the initial direction of current flow by the current as determined by the resistance in the main circuit, means operated by said first relay for causing a reversal in the direction of current flow, a second relay in said receiving device, said second relay being energized during the reverse direction of current flow by the current as determined by the resistance in the main circuit, means operated by said first relay for changing said line over from the first to the second relay, and a register, and a plurality of relays for operating said register responsive to the joint energization of said two relays.

2,596,026

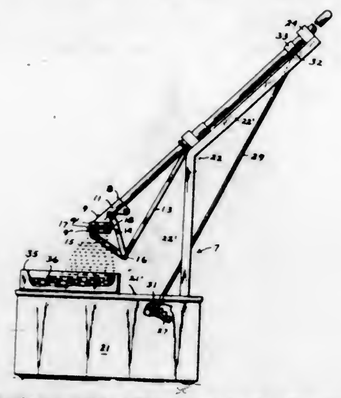
MOP DEMONSTRATOR

Merriam J. Howells and Alden M. Howells, Berkeley, and Le Roy J. Soltau, Walnut Creek, Calif.

Application October 17, 1949, Serial No. 121,686
4 Claims. (Cl. 35—13)

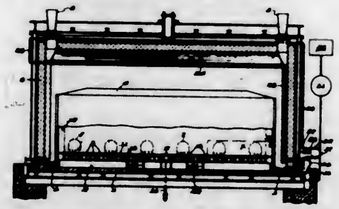
1. In apparatus for demonstrating a unitary mopping implement or the like having an elongated handle for manually applying the implement and terminally carrying a working head

having normally coplanar parts providing wettable mop pad sections arranged for their pressing together between the head parts to express liquid therefrom under control of a manually actuatable means comprising a sleeve slidably receiving the handle, a base, a standard extending rigidly upwardly from said base and providing an oblique guideway supportingly mounting



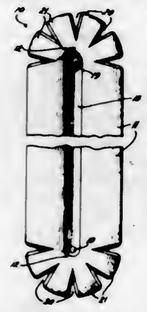
the implement handle for its axial reciprocation, a motor means carried by said base for reciprocating the implement handle in said guideway, and means securing the sleeve member to the standard whereby the movement of the handle in the guideway is operative to actuate said manually actuatable control member for the implement head parts.

2,596,027
HEAT-TREATING FURNACE
Nicholas W. Huckestein, Pittsburgh, Pa., assignor to Furnace Engineers, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1950, Serial No. 136,785
2 Claims. (Cl. 263—40)



1. A heat treating furnace comprising a base, a removable hood over the base, jet means resting on the base and provided with substantially parallel horizontal passages extending therethrough, said passages being of general Venturi shape with all of their inlets at the same end, a gas preheater supported by said hood inside of it, an inlet pipe connected to the preheater inlet and adapted to be detachably connected to a source of prepared gas under pressure outside of the furnace, an outlet pipe connected to the preheater outlet and extending out of the hood, a pipe supported by said base and extending out of the furnace, detachable means connecting the outer ends of said outlet pipe and base pipe together, means for directing streams of preheated gas from said base pipe into said Venturi passages, whereby said streams will draw gas that already is in the furnace into said passage inlets for recirculating it in the furnace, and means for connecting said base pipe to said source of gas when the base pipe and said outlet pipe are disconnected and the hood is removed from the base, so that gas will continue to be delivered to said jet means.

2,596,028
FLEXIBLE INSERT FOR FORMING RECESSES IN WALLS AND THE LIKE
Robert Maxwell James, Buffalo, N. Y.
Application March 29, 1949, Serial No. 84,064
10 Claims. (Cl. 25—118)



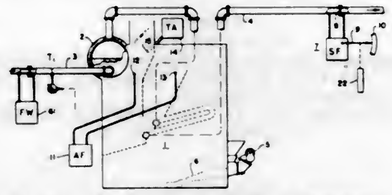
1. As an article of manufacture, a key form defining an elongate body terminating in arcuate end portions, said key form defining a skived edge along its complete periphery terminating in a distortable lip disposed on the bottom face thereof, a bottom face in said form recessed interiorly of said lip and having a channel-like hub depending thereinto.

2,596,029
METHOD OF MAKING SHOES HAVING A WRAPPER STRIP
Gilbert F. Jonas, St. Louis, Mo., assignor to Boyd-Welsh, Inc., St. Louis, Mo., a corporation of Missouri
Application October 8, 1945, Serial No. 621,115
3 Claims. (Cl. 12—142)



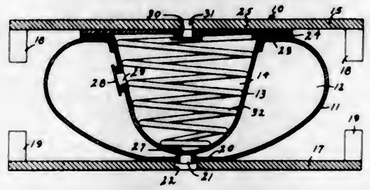
1. A method of making shoes including the steps of providing an upper with a body portion and with marginal lasting edges extending beyond the limits of the body portion, providing a last with a liner on its bottom surface, the liner having marginal edges extending beyond the bottom of the last, applying the upper over the last, overlaying the marginal lasting edge of the upper and the marginal edge of the liner one over the other, securing the said marginal edges together and lasting the upper on the last, applying a wrapper strip to the shoe and attaching the same to the shoe adjacent the intersection of the upper and the liner, removing the surplus marginal edges of the elements, turning the wrapper strip over the bottom of the shoe, securing the same in position over the bottom of the shoe, and applying an outsole over the inturned margin of the wrapper strip and the bottom of the shoe, and thereafter withdrawing the last.

2,596,030
BOILER EFFICIENCY INSTRUMENT
Raymond D. Junkins, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application March 23, 1948, Serial No. 16,461
1 Claim. (Cl. 73—112)



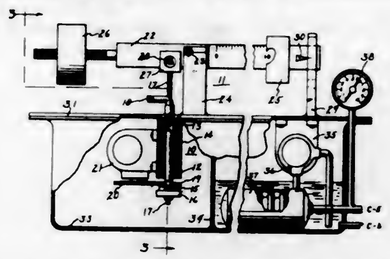
A boiler efficiency meter for exhibiting the over-all efficiency of a boiler including, a device solely responsive to the rate of flow of the steam produced over a range including the mathematically true response to the steam flow for a predetermined flow of steam temperature and pressure, a temperature measuring device for the feed water, a flow rate meter for the feed water, a first calculating network which responds to the feed water factors for continuously representing the heat level thereof, a second calculating network which responds to the first calculating network and the device responsive to the rate of flow of the steam for establishing an electrical value continuously representing the heat ouptut of the boiler, an air flow rate meter, a device determining the ratio of total air to theoretical air, and a third calculating network responding to the air flow rate meter and the ratio device for continuously representing the heat input to the boiler, and a fourth calculating network responsive to the input and output effects for continuously representing the heat efficiency of the boiler.

2,596,031
PNEUMATIC SPRING
Harold R. Kaufman, Evanston, Ill.
Application November 25, 1947, Serial No. 788,041
12 Claims. (Cl. 267—65)



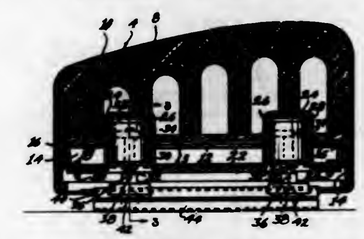
1. In combination in a pneumatic spring construction, means providing a compressible primary air spring chamber of large capacity for supporting a sprung load, means providing a supplementary air chamber cooperatively related to the primary air chamber means to become operative as a sprung load sustaining medium and arranged to be placed under compression incidental to compression of the primary air chamber, and means affording communication between the primary and supplementary air chambers for charging air from the supplementary air chamber to the primary air chamber when during joint compression of the air chambers the pressure under compression in the supplementary air chamber becomes greater than the pressure in the primary air chamber, said supplementary air chamber means comprising a flexible casing inside of the primary air chamber.

2,596,032
HYDRAULIC PRESSURE INTEGRATING DEVICE
Dennis W. Keef, Portland, Oreg.
Application September 4, 1947, Serial No. 772,131
3 Claims. (Cl. 73—419)



1. A hydraulic pressure integrating device comprising a plurality of parallel cylinders, a piston slidably mounted in each of said cylinders and having a head portion within said cylinder and a thrust portion extending outside said cylinder, and fluid conduit means connecting each of said cylinders with a source of fluid pressure, a cross arm, each of the thrust portions of said pistons bearing on said cross arm, gear means interconnecting each of said pistons, means for rotating said pistons, and means operatively connected with said cross arm for measuring the total pressure thereof.

2,596,033
ADJUSTABLE AUTOMOBILE SEAT
Robert S. King, Bonners Ferry, Idaho
Application August 15, 1949, Serial No. 110,394
6 Claims. (Cl. 155—68)



6. An automobile seat having a flat plate thereunder, a supporting plate supporting the flat plate, inverted wells in the supporting plate, cylinders in the wells, and means carrying the cylinders and adapted to raise or lower the cylinders to effect vertical adjustment of the seat.

2,596,034
LABORATORY DEMONSTRATION APPARATUS
Frank E. Lambert, Jr., Atlanta, Ga.
Application September 3, 1949, Serial No. 113,953
1 Claim. (Cl. 23—254)

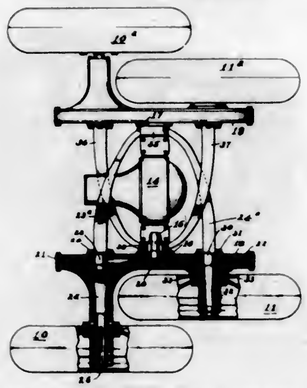
Laboratory demonstration apparatus for determining the oxygen content in air comprising in combination a transparent hollow combustion jar adapted to contain a liquid and a floatable

combustion boat located within said jar and adapted to float on said liquid, said combustion jar including a graduated main body portion of wide cross-section with respect to its length to enable accommodation of said boat and confine relatively large volumes of gas in a relatively short jar, wide mouth circular openings located at the upper and lower ends of said body portion, said openings having a smaller cross-section than said main body portion and of sufficient cross-section to accommodate insertion of said



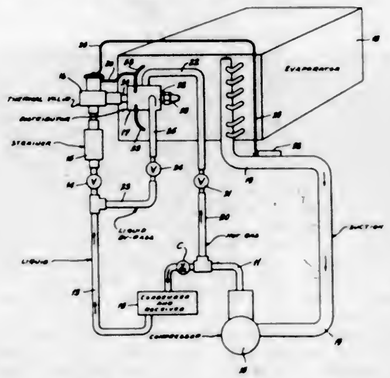
boat through said openings into said jar; and removable breech type closure means on said upper and lower openings; said floatable combustion boat being cup shaped and having affixed thereto a circular bumper means which projects beyond the outer surfaces defined by the boat to prevent physical contact between the body portion of said jar and the combustion boat, said boat and bumper means being of smaller cross-section than the upper and lower openings of the combustion jar.

2,596,035
DUAL OFFSET WHEEL MOUNTING FOR VEHICLES
Richard R. Love, Buhl, Idaho
Application August 4, 1948, Serial No. 42,511
3 Claims. (Cl. 180—22)



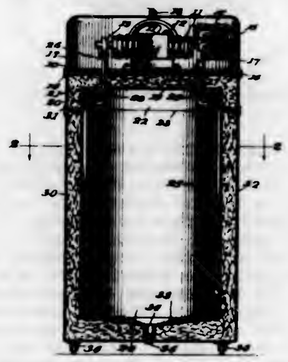
1. A close coupled dual wheel drive for vehicles comprising a differential and axle driven thereby having a driving pinion at each end of said axle, a housing for the differential and axle assembly, a cross arm journaled on each end of said housing, long and short wheel axles carried by each of said arms at opposite sides of the associated pinion, overlapping wheels journaled on said axles and each of said wheels provided with a gear wheel meshing with said pinion, a collar journaled on the housing adjacent each end of the vehicle axle, and a pair of arms rigidly connected to each collar and each pair of arms extending to the corresponding opposite end of the axle where the said arms are connected to the rocker arm, connected to said opposite end of the axle in alignment with the respective wheel axles.

2,596,036
HOT-GAS VALVE
Franklin M. MacDougall, Kirkwood, Mo., assignor to Alco Valve Company, University City, Mo., a corporation of Missouri
Application May 12, 1945, Serial No. 593,437
15 Claims. (Cl. 62—8)



9. In a refrigeration system, a hot gas line, an evaporator, a distributor at the inlet of the evaporator, first connections from the hot gas line to the distributor including a condenser and an expansion valve, bypass connections from the hot gas line to the distributor, and valve means in the distributor to selectively connect the first connections or the bypass connections into the evaporator.

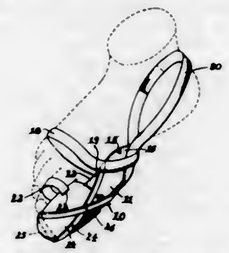
2,596,037
PORTABLE REFRIGERATOR
Pietro Maniscalco, Chicago, Ill.
Application January 31, 1949, Serial No. 73,749
4 Claims. (Cl. 62—117.2)



1. A device of the character described comprising, in combination, a portable refrigerating unit having a circular base, a compressor upon the base, a cover for said compressor removably

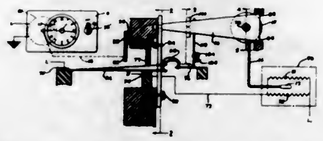
attached to the base, an insulated temporary cover dependant from the base, an open-bottomed cylindrical evaporator dependant from the temporary cover and connected to said compressor, an insulated barrel adapted to removably receive the evaporator therein and latch means for holding the temporary cover in connection with the upper end of said barrel.

2,596,038
BUNION AND FOOT CORRECTIVE MEANS
Margaret B. Mayer, Hollywood, Pa.
Application October 19, 1949, Serial No. 122,170
2 Claims. (Cl. 128—81)



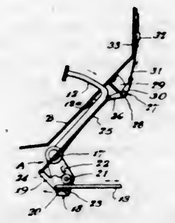
1. A foot corrective comprising an elastic fillet in the form of a material sheet curved transversely to engage the inner side of a person's foot with opposite edges engaging the adjacent upper and underneath surfaces of the foot, a foraminous sack attached to the forward end of the fillet and adapted to enclose the great toe, a layer of soft compressible material on the contact or inner face of said fillet, a resilient pad on the rear end of the fillet imposed on the material layer, said pad adapted to engage the foot in the region of the sesamoid, an elastic heel strap attached to the rear end of said fillet and adapted to embrace a person's heel, and an elastic metatarsal arch strap attached to said fillet in the region of the pad location and adapted to encircle the metatarsal arch portion of a person's foot.

2,596,039
POWER-OPERATED CONTROL
Francis H. McCormick, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 24, 1949, Serial No. 94,973
8 Claims. (Cl. 161—1)



1. A control arrangement including a snap-acting control device movable between two control positions, a timing means provided with an engaging portion including a plurality of movable engaging shoulders movable coincidentally to the operation of the timing means, thermostatic means for moving said engaging portion relative to a portion of the control device to cause engagement of said engaging shoulders with said portion of the control device to move the control device from one position to another under the power supplied by the timing means, and means responsive to a predetermined operation of said timing means for moving said control device from one position to another independently of said thermostatic means.

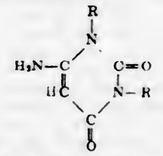
2,596,040
PEDAL CONTROLLED COLLAPSIBLE LINKAGE FOR CENTRIFUGAL CLUTCHES
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 27, 1949, Serial No. 123,970
9 Claims. (Cl. 74—522)



8. In combination a clutch pedal adapted to release a clutch; and a variable linkage assembly for controlling movement of said pedal, and comprising, a rocker-arm responsive to movement of said pedal; a first lever means fulcrumed for limited selective movement on said rocker arm; a second lever means on a fixed fulcrum independent of said pedal and having a connection with said first lever means; manual control means for operating said second lever means; and means defining a connection between said first lever means and a clutch operating member.

2,596,041
HYDROXYALKYL DERIVATIVES OF 6-AMINO - 1,2,3,4 - TETRAHYDRO - 2,4-PYRIMIDINEDIONES
Viktor Papesch, Morton Grove, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application July 6, 1950, Serial No. 172,379
6 Claims. (Cl. 260—260)

1. An alkyl-hydroxyalkyl-6-amino-1,2,3,4- tetrahydro-2,4-pyrimidinedione of the structural formula:

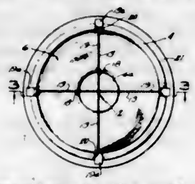


wherein one of the substituent R groups is a lower hydroxyalkyl radical and the other R group is a lower alkyl radical.

2,596,042
SLOW SPEED GLASS FEEDER
Robert H. Park, West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application January 10, 1950, Serial No. 137,699
5 Claims. (Cl. 49—55)

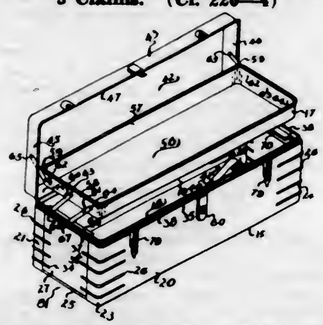
1. An orifice structure for a glass feeder comprising an orifice ring and a flow retarding baffle

fitting in said ring and comprising a plurality of arms interconnected at the axial line of the ring and extending radially in angularly spaced relation to the inner wall of the ring, said baffle arms being light gauge strips disposed edgewise in the line of movement of molten glass in either



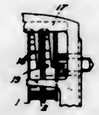
of opposite directions in the orifice ring and the terminal edges of said arms extending to and conforming to the contiguous portions of the wall of the orifice ring, said arms having extensions at their terminal portions made fast to the wall of the orifice ring.

2,596,043
METAL BOX
Herbert M. Piker, Hamilton, Ohio, assignor to The Hamilton Metal Products Company, Hamilton, Ohio, a corporation of Ohio
Application December 26, 1946, Serial No. 718,481
5 Claims. (Cl. 220—4)



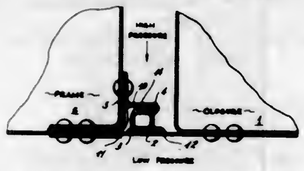
5. In a box of the class described comprising a bottom and front and back walls formed from a single blank, flanges from the ends of said front and back walls extending toward one another, flanges upstanding from the bottom ends between the front and back wall flanges, end walls for the ends of the box each formed from a separate blank and having a body portion with flanges from the sides and lower ends thereof for underlying the bottom and front and back wall flanges, means for securing the end walls in position, said box front, back and end walls each having the upper end thereof inwardly off set and upwardly disposed to form a shoulder at the upper ends of said walls with an upstanding lip therebehind, end wall braces one for each end wall and each having an angular cross-section to provide a skirt portion and a shelf portion, said skirt portion each being of a length equal to the width of its end wall portion and flanges with the ends of said skirt beyond the end wall portion off set to provide shoulders for abutment with the shoulders of the end wall flanges and in face contact therewith immediately below the shoulder at the upper end of the end wall, and spot welds for securing the end wall braces in position with the said braces each having their ends beyond the end wall portion secured by spot welds to its end wall flanges and overlapped front and back wall end flanges.

2,596,044
REGISTER
Charles Hilaire Henri Rodanet, Neuilly-sur-Seine, France, assignor to Societe Anonyme, Etablissements Ed. Jaeger, Levallois-Perret, France
Application December 3, 1951, Serial No. 259,520
In France November 14, 1950
3 Claims. (Cl. 235—141)



1. In a register a plurality of drums each drum comprising two assembled disks having bowl like inner portions secured in abutting position with each other, the peripheral edge of one disk having ten ratchet teeth thereon and the other disk having a single tooth on its peripheral edge, means defining a friction surface on each disk, said drums being mounted coaxially in mutual frictional engagement, the surface of a disk having ten ratchet teeth abutting in frictional engagement the surface of a disk having a single tooth, a comb-shaped member having a plurality of resilient teeth, each resilient tooth having a transverse portion, means for spacing said teeth so that said transverse portion engages the teeth of the disk having ten ratchet teeth and forms a locking means for said drum and means whereby rotation of a next adjacent drum causes the disk side thereof which has a single tooth to engage momentarily the transverse portion of the resilient tooth to release it from the tooth of said disk having ten ratchet teeth thereon whereby rotation of said disk is effected by frictional engagement with the lateral surface of said one-toothed disk until the transverse portion of said resilient tooth engages the next ratchet tooth on said disk having ten ratchet teeth and forms a locking means therefor.

2,596,045
PRESSURE SEAL
Vernon L. Rogallo, Culver City, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application October 19, 1946, Serial No. 704,430
4 Claims. (Cl. 20—69)



1. A pressure seal for closures for a pressurized chamber comprising cooperating, parallel and normally closely adjacent surfaces, one of said surfaces being on said closure, the other of said surfaces being on said chamber, said surfaces being subject to separation substantially at right angles to their extent to cause a leakage path between said surfaces from the high pressure side to the low pressure side of said closure, and a thin, flexible, and airtight flap positioned between said surfaces and normally in contact with both of said surfaces over a substantial area of each, said flap being attached to one of said surfaces only at a low pressure edge of said latter surface to extend freely along said latter surface, whereby

when said separation occurs said flap is flexed and held by air pressure alone against the original contact area of the other surface to bridge and seal said leakage path.

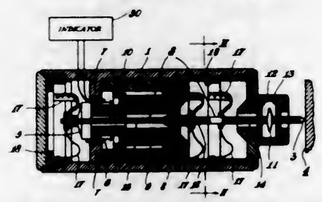
2,596,046
HOMOGENEOUS SULFURIC ACID GEL
Harold H. Roth, Bay City, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 28, 1950, Serial No. 192,821
2 Claims. (Cl. 252—317)

1. A substantially homogeneous gelatinous composition consisting essentially of between 98 and 90 per cent by weight of sulphuric acid of at least 85 per cent concentration and between 2 and 10 per cent of an alkenyl aromatic resin sulphonic acid, the aromatic nuclei of which are monocyclic, and which resin sulphonic acid contains an average of from 0.55 to 0.9 sulphonic acid radical per aromatic nucleus.

2,596,047
URANIUM-AROYL ALDEHYDE COMPLEXES AND METHOD OF MAKING SAME
Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application October 23, 1945, Serial No. 624,094
7 Claims. (Cl. 260—429)

1. As a new composition of matter, a complex of uranium with benzollacetaldehyde.

2,596,048
DEVICE FOR VIBRATION TESTING
Jan Severs, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 4, 1946, Serial No. 667,459
In the Netherlands April 11, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 11, 1962
4 Claims. (Cl. 73—70)



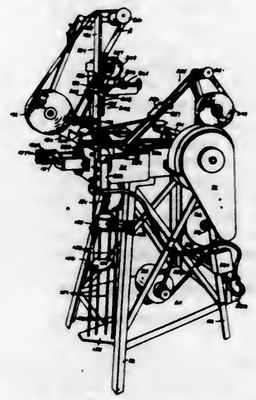
1. Apparatus for measuring the vibration of an object, comprising a frame member having a central bore, a cylindrical ring-like member within said bore, a vibration feeler member, a spring-like member for centering said vibration feeler member within said ring-like member to position the longitudinal axis of said feeler member substantially coincident with the central axis of said ring-like member, said spring-like member comprising a central portion normal to and connected to said feeler member and a plurality of arm-like portions extending from said central portion and secured to the said ring-like member, said arm-like portions being initially curved in the direction of the longitudinal axis of the feeler and the outer ends of the arms which are secured to said ring-like member being parallel to the longitudinal axis of the feeler.

2,596,049
SCREEN COMPRISING A FRESNEL SURFACE AND PROJECTION DEVICE COMPRISING SUCH A SCREEN
Gerrit Jan Siesen, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 7, 1948, Serial No. 25,736
In the Netherlands June 11, 1947
3 Claims. (Cl. 88—28.93)



3. A projection system comprising a substantially vertically disposed transparent screen, a first side of which has a Fresnel surface, said screen having predetermined horizontal and vertical dimensions, an objective located on the second side of said screen on a line passing through the center of said surface and substantially at right angles to the main plane thereof for directing rays of light against the second side of said screen for forming an image viewable on said first side, said Fresnel surface having its center located eccentrically of the center of the screen and on the same side of the screen center line as the viewer.

2,596,050
CAPMAKING MACHINE
Rudolph Sonnenberg, Belvidere, Ill., assignor to Mid-West Bottle Cap Co., Belvidere, Ill., a corporation of Illinois
Application October 31, 1945, Serial No. 625,838
15 Claims. (Cl. 93—1.3)



1. The combination in a machine for forming bottle caps from thin strip stock comprising cooperating bottle cap blanking and forming die elements disposed to have said strip feed thereto along a vertical path, means for supporting a roll of stock for delivery to said die elements, a pair of feed rolls spaced immediately above said cap die elements for feeding the strip therethrough, guide means between the roll of stock and the feed rolls for guiding the strip into the rolls in alignment with the die elements, said guide means comprising an elongated member of substantially greater length than width extending vertically above said feed rolls, said member having a flat bottom for reception of the strip thereagainst and upstanding edges spaced a distance substantially equal to the width of the strip to prevent lateral displacement of the strip as it passes

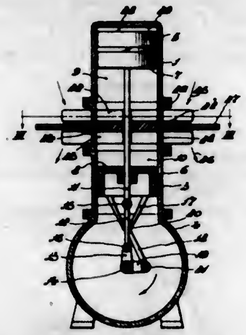
through the guide, and yieldable means for retaining said strip against the flat bottom, means for imparting a stiffening configuration to the strip as it passes through the rolls to maintain alignment of the sheet between the rolls and the die elements and means for intermittently rotating the feed rolls and driving the die elements in timed relationship to successively feed the strip downwardly between the die elements and form successive caps.

2,596,051

HOT-GAS PISTON APPARATUS HAVING CYLINDER MEANS AND AXIALLY ARRANGED PISTON BODIES, HEAT EXCHANGERS, AND REGENERATOR THEREIN

Willem Hendrik Stigter, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 30, 1946, Serial No. 666,098
In the Netherlands December 3, 1945
4 Claims. (Cl. 60—24)



2. A hot-gas piston apparatus comprising cylinder means and two axially arranged piston bodies therein enclosing the volume of the working medium of the caloric cycle in said cylinder means by the adjacent end surfaces of said piston bodies, heat exchanger means and a regenerator enclosed in the space between said piston bodies, and means for reciprocating said piston bodies out of phase in relation to each other whereby the volume of the working medium is varied during operation of the apparatus.

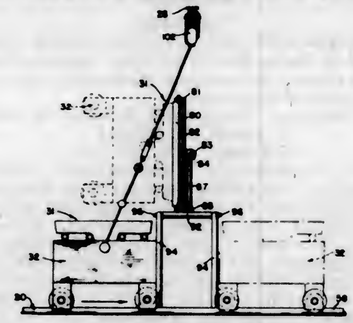
2,596,052

APPARATUS AND METHOD FOR MOLDING CONCRETE BLOCKS

Albert H. Stockmar, Villa Rica, Ga.

Application May 27, 1947, Serial No. 750,757
13 Claims. (Cl. 25—2)

1. The method of producing wet-poured concrete masonry units including the steps of providing a resilient sheet metal mold having an expanded shape when unstressed, applying a force contracting the mold from said expanded shape to the size and shape of the desired masonry unit and positioning the contracted mold in upright position with its opening facing upwardly and lying in a horizontal plane, filling the contracted mold with a wet concrete mix, maintaining the mold in upright position in the contracted condition in which poured until the concrete has taken an initial set, tilting the mold so that an edge thereof initially engages a supporting surface extending in a vertical plane, continuing the tilting progressively until the exposed face of the concrete unit is brought into engagement with the supporting surface, turning the supporting surface into a horizontal position with the molds uppermost while the face of the concrete unit is in full engagement therewith, removing the con-



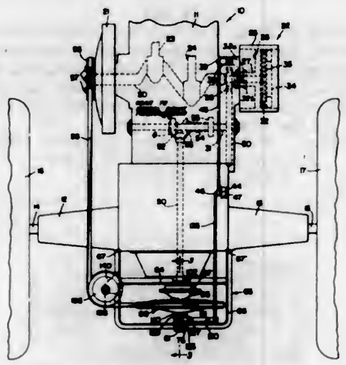
tracting force and thereby releasing the mold to permit expansion thereof away from the sides of the concrete unit, and completely separating the mold and concrete unit by relative vertical movement.

2,596,053

COORDINATED CLUTCH AND BRAKE CONTROL FOR VEHICLE DRIVING MECHANISM

Harold M. Stueland, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application May 16, 1946, Serial No. 670,257
7 Claims. (Cl. 180—70)



1. Drive mechanism for a tractor or the like having traction means, comprising in combination, an engine crankshaft, a transmission shaft element connected to said traction means, a first clutch mechanism interconnecting said crankshaft and said transmission shaft element and engageable to drive the latter in a forward direction, a power take-off element connected with said transmission shift element, a second clutch mechanism interconnecting said crankshaft and said power take-off element and engageable to drive said transmission shaft element in a reverse direction, brake means associated with one of said clutch mechanisms for braking the element driven by the latter, a control member movable into three spaced positions, and means connecting said member with said first and second clutch mechanisms and with said brake means and constructed and arranged to engage either

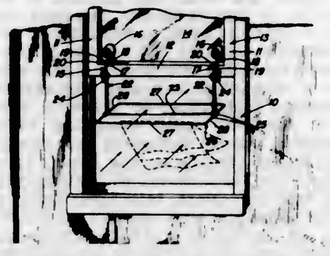
of said clutch mechanisms or said brake means, selectively, by movement of said member into said three positions, respectively.

2,596,054

HANGER

Robert B. Tallman, Jersey City, N. J.

Application August 17, 1950, Serial No. 179,994
5 Claims. (Cl. 211—87)



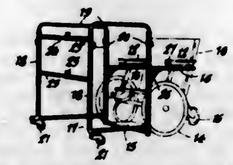
5. Apparatus for hanging an article to be dried below a raised window sash, said apparatus comprising: two suction cups for spaced-apart attachment to the window pane; a hanger rod fixed at one end centrally to each of said suction cups externally of its suction surface and bent forwardly around said suction cup to contact the window pane in a point below the rim of said suction cup when said suction cup is attached to the window pane; said hanger rods being bent rearwardly from their window pane contacting points to provide a length of each rod for contact with the upper surface of the lowest member of the window sash, and each rod having an end bent downwardly therefrom to support the weight of such article therefrom; a tie connected to said second end of each of said hanger rods, each of said ties hanging downwardly from its connection with its respective hanger rod; and a drying bar fixed to the lower ends of said ties and extending therebetween.

2,596,055

DETACHABLE WHEEL CHAIR WALKING APPARATUS

Jean D. Thomas, Buffalo, N. Y.

Application October 1, 1947, Serial No. 777,159
2 Claims. (Cl. 155—22)



1. The combination with a wheel chair, of a walking device therefor comprising a wheeled frame for supporting the patient in a standing posture and in open communicating relation at its rear end to the wheel chair, said frame including spaced handle-bar forming side-sections adjustably connected at their front ends and open at their rear ends to afford the patient unobstructed passage from the chair to the frame and vice versa, and complementary interengaging means at the opposite sides of the chair and extending rearwardly from the opposite sides of the frame for detachably connecting the latter to the former.

2,596,056

LAMP SOCKET MOUNTING AND FASTENER THEREFOR

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 8, 1946, Serial No. 660,318
2 Claims. (Cl. 189—36)



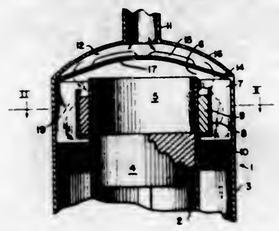
1. A fastening assembly comprising a member provided with a stud passage merging with a fastener receiving recess extending transversely of the axis of said stud passage between the ends of and on both sides of said stud passage, said recess including an undercut portion at the rear of said stud passage, a fastener comprising a sheet metal body defining a base provided with stud securing means, said base lying laterally in said recess on both sides of said stud passage with one end extending into said undercut portion, said fastener including means defining an outwardly projecting lug aligned with said stud securing means and engaging the wall of said stud passage adjacent said undercut portion positioning the fastener in said recess against both lateral and lengthwise movement with said stud securing means aligned with said stud passage, said fastener including means yieldable relative to the fastener base and engaging a wall of said recess to retain the fastener in fastening position therein.

2,596,057

METHOD AND APPARATUS FOR TEMPORARILY INCREASING THE POWER OF HOT-GAS ENGINES

Willem Jan van Heeckeren and Herre Rinia, Eindhoven, Netherlands, assignors to Hartford National Bank & Trust Co., Hartford, Conn., as trustee

Application September 4, 1945, Serial No. 614,447
In the Netherlands May 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 27, 1963
9 Claims. (Cl. 60—24)



1. The method of operating a hot-gas engine, comprising the steps of supplying heat to said engine at a predetermined temperature to fulfill

normal operating requirements of the engine, heat-liquefying at said temperature a solid material which is in thermal exchange relationship with said engine, said material having a melting point just below said predetermined temperature, and exchanging heat of solidification from said material to said engine during overload conditions of said engine.

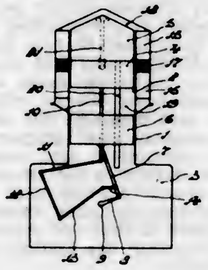
4. A hot-gas engine adapted to be loaded to an extent greater than the normal full load of the engine by withdrawal of energy from the thermal energy accumulated in the material of the heater of the engine, in which said heater comprises a space containing a substance the melting point of which is slightly below the normal operating temperature of the material of said heater.

2,596,058

HOT-GAS ENGINE WITH DISPLACER CAP SAFETY VENTING MEANS

Franciscus Lambertus van Weenen, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 12, 1946, Serial No. 661,629
In the Netherlands October 29, 1945
3 Claims. (Cl. 60—24)



1. In a hot gas engine, the combination of a displacer element, cap means attached to said displacer and forming an enclosed space therebetween, a closed crank case, crank means in said crank case, means operatively connecting said displacer with said crank means in said crank case, and fluid conducting means directly connecting said enclosed space with said closed crank case whereby the pressures in said enclosed space and said enclosed crank case are maintained substantially equal.

2,596,059

CHECK PROTECTOR

Robert H. Waller, Nashville, Tenn.

Application December 16, 1948, Serial No. 65,637
1 Claim. (Cl. 101—24)



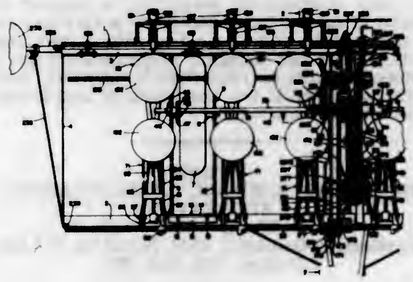
A check protector comprising a barrel having one end open, the wall of the barrel having longitudinal circumferentially spaced slots disposed in a chord defining plane and open at the open end of the barrel, the inner surface of the barrel remote from the longitudinal center thereof being flat and in the plane of the adjacent edges of the slots, a pair of elongate, relatively wide resilient arms disposed longitudinally in spaced parallel relation in the barrel and joined by a transverse part at the ends remote from the open end of the barrel, one of said arms having its top surface in the plane of the edges of the slots which are remote from the plane of the first named edges, the outer end portion of said one arm having a longitudinally disposed series of transverse slots in register with a like series of slots formed in the said flat surface of the barrel, a member rotatably mounted on the outer end portion of said other arm with the axis of rotation disposed lengthwise of the arm, a circular series of punching teeth extending radially of said member, the top surface of said one arm and the said inner surface of the barrel forming a receiving space for a marginal portion of a check inserted into said slots, said arms being secured in the barrel at the said joined ends thereof, and a finger pin carried by and upon the underside of said other arm and extending through an opening in the wall of the barrel to the outside of the barrel for facilitating the flexing of said other arm in a direction to cause said teeth to extend through the slots in said one arm.

2,596,060

SEEDER DRIVE ARRANGEMENT

Claude W. Wahl, Rock Island, and Howard F. Clausen, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application January 24, 1946, Serial No. 643,016
1 Claim. (Cl. 275—9)



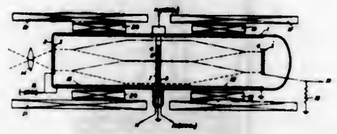
In a planter, a frame, a drive shaft mounted thereon adjacent the rear of the frame, a seeding shaft adjacent the front portion of the frame, a power lift clutch, a compound gear member mounted slidably on said drive shaft, a second compound gear member slidably mounted on said seeding shaft, an auxiliary gear member on said drive shaft adjacent said compound gear member thereon, said auxiliary gear member having the same diameter as the adjacent section of said second compound member, a drive chain trained over selected sections of said compound gear members for driving said seeding shaft from said drive shaft, each of said compound gear members being slidable on said shafts to accommodate engaging the drive chain with selected sections of said gear members while said drive chain remains in the same position relative to said frame, and a power lift drive chain for driving said power lift clutch and engageable with said auxiliary gear member when said first drive chain is engaged with said adjacent section.

2,596,061

TELEVISION AND LIKE TRANSMITTING APPARATUS

Reginald Sidney Webley, Hayes, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application June 6, 1950, Serial No. 166,369
In Great Britain June 11, 1949
10 Claims. (Cl. 313—65)



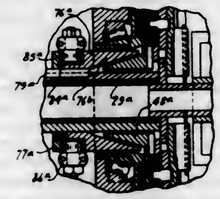
1. In apparatus for generating electrical signals representative of a light image, a pick-up tube comprising a photoelectric cathode for converting a light image to an electron image, a target positioned for exposure to an electron image from said cathode, an electron beam source mounted in a direct line between said cathode and said target, deflecting means for setting up an electron-deflecting field between said source and said target for scanning an electron beam from said source over said target, and further deflecting means for setting up an oppositely directed electron-deflecting field between said cathode and said source proportioned to balance out deflections imparted by said first deflecting means to an electron image projected from said cathode to said target, whereby an electron image so projected is undeflected at said target.

2,596,062

TUBE CUTTING MACHINE

Nelson D. Abbey, Toledo, Ohio, assignor to The Etna Machine Company, Toledo, Ohio, a corporation of Ohio

Application February 18, 1948, Serial No. 9,201
2 Claims. (Cl. 164—60)



1. A tube cutter comprising a support, a tube channel on said support, a head rotating coaxially about said tube channel, means for rotating said head, a plurality of cutting tools, carriers mounting said cutting tools on said head and rotating therewith, said carriers being moveable radially inwardly and outwardly on said head for moving said tools inwardly and outwardly with respect to the tube channel, spring means operatively engaged between said head and carriers for positively biasing the latter outwardly, said carriers having cam members on inner ends thereof, said cam members being substantially concentrically disposed about said tube channel and extending from the inner ends of said carriers axially of said tube channel, said cam members being substantially wedge-shaped in cross-section with the wide ends of the wedges respectively lying at the inner ends of said carriers and with outwardly disposed cam surfaces, a plurality of substantially wedge-shaped cam-engaging fingers concentrically disposed exteriorly of said cam members, said fingers having inwardly disposed inclined surfaces respectively opposite said cam surfaces, said fingers being mounted on said support for axial movement along the cam surfaces whereby to move said carriers, said cam surfaces of said members each having a first portion of relatively steep inclination adjacent the narrow end thereof and a second portion of relatively lesser inclination adjacent the wide end thereof, fluid-motor and control means therefore for advancing said fingers first rapidly along part of said first cam surface portion and thence relatively slowly and steadily along the remainder of said first cam surface portion and then along said second cam surface portion, each of said fingers having an inwardly disposed projection substantially at the free ends thereof for slidingly engaging said cam surfaces, whereby to space the inclined surfaces on said fingers from the cam surfaces on said cam members.

2,596,063

WINDSHIELD WIPER BLADE LINKAGE ASSEMBLY

John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana

Application December 13, 1945, Serial No. 634,730
31 Claims. (Cl. 15—245)



1. A wiper for cleaning a curved surface, comprising a blade flexible for conforming to the surface curvature, a primary yoke having an arm attaching part, and secondary yokes each connected intermediate its ends to an end of the primary yoke and having its opposite ends flexibly connected to the blade, such blade having a flexible backing strip to which the opposite ends of the secondary yokes are connected.

2,596,064

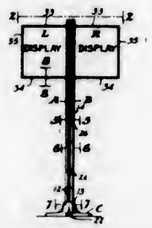
DISPLAY DEVICE

Glenn A. Bishop, Wilmette, Robert B. Bishop, Arlington Heights, and Charles E. Jones, Chicago, Ill., assignors to Bishop Publishing Company, Chicago, Ill., a corporation of Illinois

Application January 15, 1948, Serial No. 2,528
9 Claims. (Cl. 40—125)

1. In a display device, a base having a circular socket therein, a pair of elongated clamping

members disposed in closely spaced upright substantially parallel confronting relation with their lower ends within said socket, a spacing element disposed between said lower ends of the members to hold the latter apart and against the socket walls, and means connecting the clamping members and operable to draw the same together for



cooperatively gripping a display therebetween to support the display substantially in the parting plane of the members, the clamping members being rotatable in the base socket while clamping a display whereby the clamped display can be adjusted to different positions with respect to the base.

2,596,065
PROPANE DECOLORIZING

Robert I. Brabets, Hazelcrest, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 18, 1950, Serial No. 201,500
5 Claims. (Cl. 260—428.5)

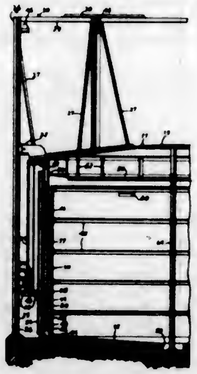
1. In the decolorization of low bottoms potential fat and fatty acid feed stock by treatment thereof with a liquefied, normally gaseous hydrocarbon under conditions of elevated temperatures and pressures, the step which comprises incorporating ebony fat in said low bottoms potential feed stock prior to decolorization thereof.

2,596,066
GASHOLDER

Herbert C. Brinkman and Karl R. Weber, Cincinnati, Ohio, assignors to Stacey Bros. Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio

Application April 14, 1948, Serial No. 21,055
2 Claims. (Cl. 48—176)

1. A telescopic tank for the storage of gas comprising; a cylindrical tank constituting a pair of spaced shells providing an annular trough extending for the full height of the tank and adapted to contain a sealing liquid, a series of vertical stiffening rails secured to the outer surface of the outer tank shell in such a manner as to stiffen the same and further to provide roller guides, a lift structure constituting an inverted cylinder having a dome and having spaced annular walls adapted to telescopically mate with the tank structure, the lift structure being substantially the same height as the height of the tank and having one of its walls interposed between the spaced walls of the tank structure and having a second wall disposed to the exterior of the tank structure, the said sealing liquid constituting a seal between the tank wall and the lift wall which is submerged therein permitting the lift structure to move vertically under the influence of gas pressure applied to the interior of the tank, a guide structure including vertical guide rails disposed in spaced relationship to one another around the lift structure, the guide rails being concentric with and spaced outwardly from the periphery of the lift structure, respective sets of outwardly facing upper and lower guide rollers secured to the lift structure at the upper and lower ends thereof in tracking engagement with



the vertical guide rails to stabilize the lift structure in its vertical movements, and a series of inwardly facing rollers mounted upon the lower edge of the lift wall in tracking engagement with the vertical stiffening rails which extend along the outer surface of the tank.

2,596,067
PREPARING COOKED CURED MEATS

George E. Brissey, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 5, 1950, Serial No. 199,350
10 Claims. (Cl. 99—159)

1. In a process of preparing cooked, cured meat products wherein a fresh meat is quick-cured, the improvement which comprises treating a fresh meat product with a meat-curing preparation containing a small amount of a dialkali phosphate, the amount of said dialkali phosphate calculated on its anhydrous basis not exceeding about 5% by weight of said preparation, to increase the phosphate content of the meat expressed as disodium phosphate by not in excess of about 0.5% based on the weight of the cured meat product, and to measurably raise the pH of the meat without exceeding a pH of 6.8; whereby the cured meat product when cooked retains an increased amount of soluble protein and exhibits a larger cooked yield.

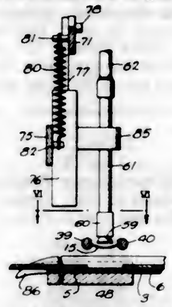
2,596,068
CASEMAKER

Peter Bunch, Chicago, Peter Mittomme, Cicero, and Russell Jennings, Chicago, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application October 10, 1946, Serial No. 702,390
9 Claims. (Cl. 270—58)

7. In a casemaker, a pair of rollers grooved longitudinally to hold the edges of a binding back, an arm positioned above said rollers and movable vertically therebetween, a suction cup mounted on the bottom of said arm, the suction force of said cup being synchronized with the vertical movement of said arm, said suction cup in its

downward movement being adapted to release said binding back from said grooved rollers and



to hold it by its suction force until said arm reaches the bottom of its stroke.

2,596,069
COMPOSITIONS FOR COMBATING TUBERCULOSIS

Herman Herbert Fox, Passaic, N. J., assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J., a corporation of New Jersey

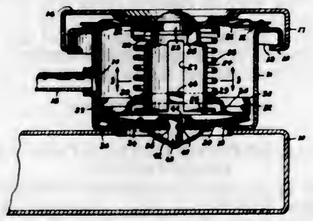
No Drawing. Application March 7, 1952, Serial No. 275,249
15 Claims. (Cl. 167—65)

9. A composition for combatting tuberculosis comprising from about 0.1 per cent to about 50 per cent of a member selected from the group consisting of isonicotinic acid hydrazide and acid addition salts thereof and a significant amount of a pharmaceutical carrier.

2,596,070
VALVED CAP FOR AUTOMOBILE RADIATORS AND THE LIKE

Dawson Friend and Lowell J. Smith, Connersville, Ind., assignors to Stant Manufacturing Company, Connersville, Ind., a corporation of Indiana

Application March 9, 1949, Serial No. 80,466
8 Claims. (Cl. 220—44)

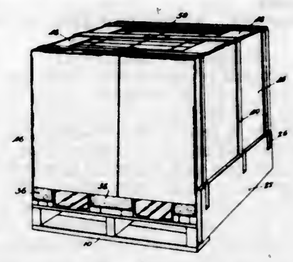


1. In a sealing closure cap for vehicle radiators and the like, a cap member formed for retaining association with a spout, a resilient sealing member loosely engaging the inner surface of said cap member, an elongated hollow element having an upper inturned flange means and a lower outturned flange means, means cooperating with said inturned flange means to secure said hollow element to the inner surface of said cap member, a ring slidably mounted on said hollow element and held against rotary movement relative to said element about the axis thereof, said outturned flange means cooperating with said ring to limit movement thereof axially in one direction relative to said hollow element, abutment means fixed relative to said cap member, a coiled spring confined between said abutment means and said ring, and valve means supported on said ring for rotary movement relative thereto about said axis.

2,596,071
BRICK PACK

Claude R. Friesner, Loudon Heights, Loudonville, N. Y., assignor to Albany Corrugated Container Corporation, Cohoes, N. Y., a corporation of New York

Application August 17, 1949, Serial No. 110,723
5 Claims. (Cl. 206—65)



1. A package of bricks comprising a plurality of at least three spaced parallel rows of bricks, said rows encased on the bottom and long sides thereof by a continuous sheet of tough flexible material, said flexible material creased at the long edges of said rows and continued between said rows as arches between respective rows, the ends of said flexible material being folded over the top portion of the end rows and overlying a portion of said arches, a plurality of layers of bricks stacked on said rows to form a compact rectangular stack and to secure that portion of the flexible material overlying said end rows and said arches, a plurality of sheets of tough flexible material overlapped and folded to provide a continuous covering for the side walls of said stack, a first set of bands encircling said stack above and at right angles to said rows of bricks and a second set of bands encircling said stack and said rows, said second set of bands being disposed on and parallel to said rows of bricks.

2,596,072
PROCESS OF SELECTIVELY REDUCING FERROUS CHLORIDE IN THE VAPOR PHASE FROM A GASEOUS MIXTURE OF MANGANESE AND FERROUS CHLORIDE

Marion Ernest Graham, Parma, and Edward A. Beidler, Columbus, Ohio; said Beidler assignor, by mesne assignments, to Henry L. Crowley & Co., Inc., West Orange, N. J., a corporation of New Jersey

No Drawing. Application March 28, 1951, Serial No. 218,064
5 Claims. (Cl. 75—34)

1. The process of selectively reducing ferrous chloride from a gaseous mixture, the essential active ingredients of which are the vapors of manganese chloride and ferrous chloride, and in which the weight ratio of ferrous chloride to manganese chloride is at least about 2:3, to form substantially pure metallic iron, which comprises the steps of contacting the mixed vapors of ferrous and manganese chlorides in a reducing zone with a gas, the essential active reducing ingredi-

ent of which is hydrogen, and maintaining the temperature of said chlorides and said gas in said reducing zone between about 800° C. and the melting point of iron.

2,596,073

PROCESS OF SELECTIVELY REDUCING FERROUS CHLORIDE IN THE SOLID PHASE FROM A SOLID MIXTURE OF $FeCl_2$ AND $MnCl_2$

Marion Ernest Graham, Parma, and Edward A. Beidler, Columbus, Ohio; said Beidler assignor, by mesne assignments, to Henry L. Crowley & Co., Inc., West Orange, N. J., a corporation of New Jersey

No Drawing. Application June 14, 1951, Serial No. 231,654
5 Claims. (Cl. 75—31)

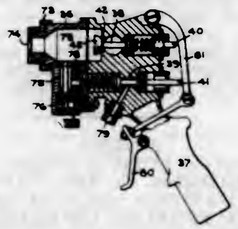
1. The process of selectively reducing $FeCl_2$ to metallic iron from a material including mixed, solid $FeCl_2$ and $MnCl_2$, and in which the weight ratio of $FeCl_2$ to $MnCl_2$ in said material prior to such selective reduction is greater than 1:5, comprising contacting said material in solid form and in a temperature range from about 350° C. up to about 675° C. with a gas, the essential active ingredient of which consists of hydrogen, and which gas is substantially free of HCl, by passing said gas substantially continuously past said solid $FeCl_2$ and $MnCl_2$, and discontinuing the process as aforesaid before the ratio (by weight) of $FeCl_2$ to $MnCl_2$ decreases below about 1:5.

2,596,074

APPARATUS FOR COATING SURFACES WITH PLASTIC AND OTHER SEMILIQUID COMPOSITIONS

Albert Henry Hawes, Erdington, Birmingham, England, assignor to Kwikform Limited, Small Heath, Birmingham, England

Application February 20, 1948, Serial No. 9,744
In Great Britain July 28, 1945
6 Claims. (Cl. 299—58)



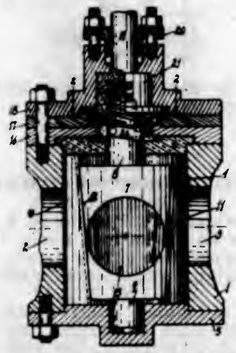
1. Apparatus for coating surfaces with compositions of the kind specified, comprising a reservoir for said composition, a spray gun for spraying the composition onto the surface to be coated, said spray gun having a bore therein extending therethrough from opposite sides of said spray gun, a pair of pipes each connecting said reservoir one to one end of and the other to the other end of said spray gun bore and forming with said bore and reservoir a closed circuit for said composition, means for circulating said composition continuously around said circuit, said spray gun including a mixing chamber, a nozzle at one end of said mixing chamber for discharging the composition from the spray gun, a displaceable valve member and a seating for said valve member at the opposite end of said chamber adapted to control the flow of composition from said bore to said mixing chamber, said valve member and seating being immediately adjacent to and extending into said bore, said bore communicating with said mixing chamber, means for supplying gas under pressure to said mixing chamber of said spray gun, valve means for controlling said supply, and means controllable by the operator for actuating said valve member and valve means.

2,596,075

VALVE

Joseph Heinen, Long Beach, Calif.

Application April 5, 1946, Serial No. 659,840
11 Claims. (Cl. 251—97)



1. A valve comprising a valve body, said body having oppositely arranged fluid ports therein, and a bore intersecting said ports, a plug mounted in the bore, a pair of wedges on the plug, said plug and wedges having tapered engaging surfaces, said plug being slidable longitudinally relative to the wedges, a control shaft extending into the body, a pair of trunnions on the plug, said trunnions being journaled in the valve body, one of said trunnions and the control shaft having a threaded connection whereby rotation of the control shaft will slide the plug relative to the wedges, and said plug having a fluid passage extending therethrough, a dog secured to the plug and engageable with the control shaft whereby the plug is rotated with said shaft, said body having a slot therein receiving the dog in the lowered position of the plug, said dog moving out of the slot and engaging the control shaft in the raised position of the plug.

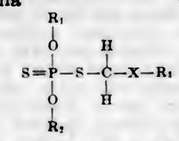
2,596,076

DITHIOPHOSPHATE ESTERS AS INSECTICIDES

Edwin O. Hook, Old Greenwich, Conn., and Philip H. Moss, Nederland, Tex., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 26, 1948, Serial No. 17,393
4 Claims. (Cl. 167—22)

4. An insecticidal composition containing as a toxic ingredient a dithiophosphate ester of the general formula



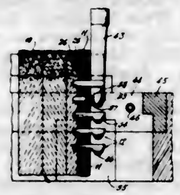
in which R_1 and R_2 are members of the group consisting of alkyl and chlor-substituted alkyl radicals having not more than four carbon atoms, R_3 represents an aliphatic hydrocarbon radical, X represents a member of the group consisting of sulfur and oxygen, and a carrier.

2,596,077

SLIDE FASTENER ELEMENT

Robert C. Legat, New Britain, Conn., assignor to The G. E. Prentice Mfg. Co., Kensington, Conn., a corporation of Connecticut

Application August 10, 1945, Serial No. 610,068
3 Claims. (Cl. 24—205.13)



1. A slide fastener comprising a pair of flexible stringers having opposed series of spaced locking elements adapted to be progressively engaged and disengaged, each of said elements being composed of a wire section formed about a longitudinal edge of a stringer so as to entirely enclose a portion of such edge, and including a closed loop-shaped attaching portion extending through the stringer adjacent to such edge and enclosing such edge portion, and including a locking portion projecting outwardly from such edge, the opening in said attaching portion having an area less than the cross sectional area of said longitudinal edge intermediate the elements, and said locking portion being constituted and consisting of straight equal length end portions of said wire section arranged in contacting side-by-side relation, the combined material of both such wire end portions being worked to provide a unitary, integral locking portion having a locking projection on one side and a recess on the opposite side, the said projection and recess being formed in part from each of said wire end portions.

2,596,078

SKINNING KNIFE

James J. Prohaska, Palos Heights, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application June 12, 1946, Serial No. 676,225
11 Claims. (Cl. 30—215)



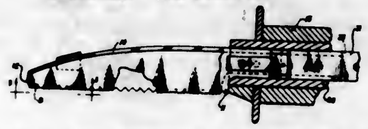
1. A device for skinning cattle and the like comprising a pair of hardened guard members each having a serrated edge, a thin and flexible driven cutting blade disposed between said members, said blade having a serrated edge, one of said guard members being relatively fixed and the other of said members being resiliently urged toward said fixed guard member whereby the blade is snugly engaged between said guard members so that the blade is steeled while it moves between said guards, the teeth on said members and on said blade being so cut and positioned that each tooth on the blade cuts first with a tooth on one of the guard members and then with a tooth on the other of the guard members.

2,596,079

SKINNING KNIFE

James J. Prohaska, La Grange, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application August 23, 1950, Serial No. 181,015
5 Claims. (Cl. 30—272)



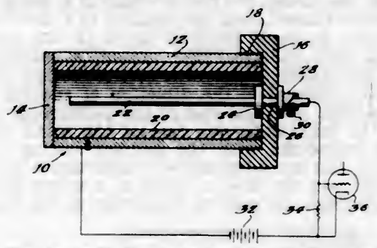
1. A device for skinning cattle and the like including handle means, a pair of elongated guard blades, each having an elongated, serrated edge, a reciprocally-driven, elongated cutting blade disposed between said guard blades and having an elongated, serrated edge adjacent the serrated edges of said guard blades, one end of one of said guard blades being attached to said handle means, the corresponding end of the other of said guard blades being pivotally connected to said handle means, a clip interconnecting the other ends of said guard blades and urging said other ends of said guard blades toward each other, and spring means urging said one end of the other of said guard blades toward the corresponding end of the one guard blade.

2,596,080

IONIZATION CHAMBER

John R. Raper and Raymond E. Zirkle, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application February 21, 1947, Serial No. 730,136
15 Claims. (Cl. 313—93)



1. In a radiation-measuring instrument, in combination, a substantially tubular electrode composed of a homogeneous mixture of approximately 90 per cent methyl methacrylate resin and 10 per cent graphite, and a rod-like electrode axial of said tubular electrode.

2,596,081

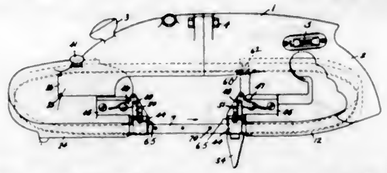
HAND MANIPULATED POWER BAND SAW

Elmer P. Sacrey, Syracuse, N. Y.

Application June 10, 1947, Serial No. 753,651
6 Claims. (Cl. 143—19)

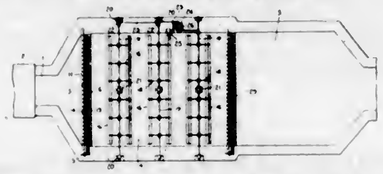
1. A power band saw comprising a horizontal casing, wheels mounted on the casing at opposite ends thereof, a saw band running over the wheels with the outer run of the band farthest from the casing between the wheels being the cutting portion of the band, a motor mounted in the casing, motion transmitting means between it and one of the wheels, the wheels being arranged at an oblique angle to a horizontal plane and the cutting portion of the band between the wheels being arranged in a vertical plane, and

the other wheel being mounted to shift radially toward and from the power actuated wheel for providing slack in the band for facilitating the removal and replacing thereof, spring means



biased to shift said other wheel away from the power actuated drive wheel and thus hold the band taut, and a releasable latch operable to hold the wheel in position when retracted against the spring.

2,596,082
FLOCCULATING SYSTEM
Frederick E. Stuart, Baltimore, Md.
Application July 11, 1945, Serial No. 604,489
11 Claims. (Cl. 210—12)



1. In an apparatus for effecting clarification of turbid liquids, having a tank provided with an inlet at one end and with an outlet at its opposite end, the liquid to be cleared flowing from the inlet to the outlet, the combination of a plurality of paddles spaced from one another in a direction extending between opposite walls of the tank, each of said paddles extending across substantially the entire tank width in a direction substantially normal to the direction of spacing of said paddles with the end of the paddles spaced from the tank walls and free of the same, and means connected with the paddles raising and lowering the spaced paddles in alternation vertically through the flow of liquid as it moves horizontally from the inlet to the outlet of the tank.

2,596,083
SYRINGE
Ragnar Wahlbeck, New York, N. Y.
Application May 13, 1949, Serial No. 93,091
1 Claim. (Cl. 128—231)



A catheter, comprising a normally flat soft rubber bag having a neck portion, a soft rubber nozzle of thicker rubber than said bag and having an inlet end portion, a pair of connectors, one of said connectors having a tapered projecting end portion and the other having a tapered socket portion for receiving and frictionally holding said projecting end portion, and one of said connectors being tightly mounted in said neck portion and the other being tightly mounted in said inlet end portion.

2,596,084
FLUORINATED COMPOUNDS AND PROCESS OF PRODUCING SAME
Paul E. Weimer, West Lafayette, Ind., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application July 17, 1946, Serial No. 684,249
9 Claims. (Cl. 260—648)

1. A perfluorinated oil containing at least 74% and less than 76% organic fluorine and boiling within the range 100–250° C. at 10 millimeters of mercury absolute pressure, obtained by fluorinating a polyalkyl condensation product of a 2 to 4 carbon atom alkyl group with a dinuclear aromatic hydrocarbon.

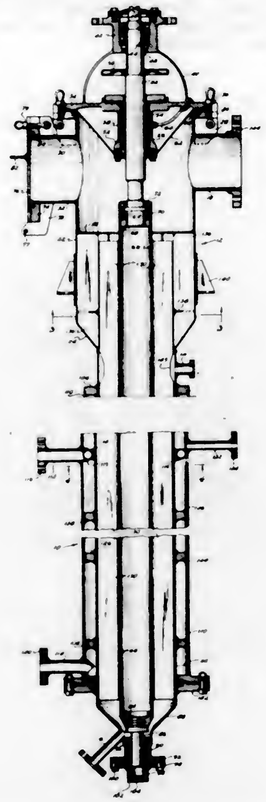
4. The method of making a perfluorinated oil suitable for use as a lubricant, which comprises subjecting to substitutive and additive fluorination a polyalkyl condensation product of a 2 to 4 carbon atom alkyl group with a dinuclear aromatic hydrocarbon, by reacting vapors of said condensation product with a metal polyfluoride selected from the group consisting of silver difluoride and cobalt trifluoride at temperatures of 200° C. to 400° C.

2,596,085
ELASTIC HYDROCARBON-SUBSTITUTED POLYSILOXANES AND AMMONIUM CARBONATE AS CATALYST
Wilbur J. Wormuth, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 22, 1951, Serial No. 243,173
7 Claims. (Cl. 260—37.5)

1. A heat-convertible composition of matter comprising (1) a heat-curable polymerized hydrocarbon-substituted polysiloxane, wherein the hydrocarbon radicals are members selected from the class consisting of alkyl, aryl, aralkyl and alkaryl radicals, and containing an average of from 1.95 to 2.2 hydrocarbon groups per silicon atom, and (2) a minor proportion of ammonium carbonate as a cure accelerator for the aforesaid polysiloxane.

2,596,086
APPARATUS FOR EVAPORATING AND CONCENTRATING LIQUIDS
Hans Karl Müller, Winterthur, Switzerland, assignor, by mesne assignments, to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts
Application March 17, 1951, Serial No. 216,214
In Switzerland October 30, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 30, 1964
10 Claims. (Cl. 159—6)

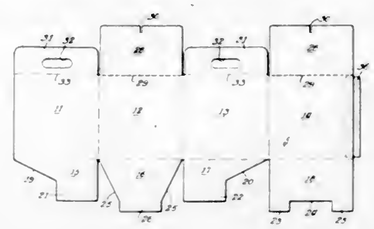
1. An evaporator comprising a chamber having a substantially vertical cylindrical wall, means for heating the central portion of said wall, an imperforate rotor rotatably mounted in said chamber substantially coaxial with said wall, a plurality of vanes radially spaced around said rotor and extending outward therefrom into close proximity with said wall, the lower ends of said vanes extending below said heating means, said



vanes being substantially continuous longitudinally and radially, means for rotating said rotor, means at the upper end of said chamber for introducing liquid to be evaporated, and an outlet at the lower end of the chamber below said heating means for unevaporated liquid.

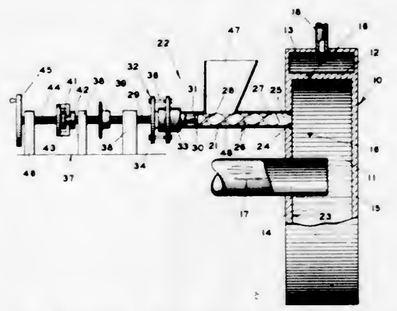
2,596,087
EDIBLE MATERIAL CONTAINER
Paul A. Shoudy, Seattle, Wash., assignor to California Container Corporation, Oakland, Calif., a corporation of Delaware
Application October 12, 1949, Serial No. 120,931
2 Claims. (Cl. 229—39)

1. A container for edible material, such as ice cream and the like, formed of relatively stiff corrugated paperboard material and comprising four interconnected side walls, a bottom closure member connected to the side walls, severable interlocking top closure flaps on the upper edges of two opposite side walls integrally hinged with respect to the side walls along weakened lines, whereby such flaps may be readily torn from the side walls, the top flaps being of such length that their free portions overlap one another when the flaps are in closed position, the free edge portion of each top closure flap being formed with a centrally located straight slot somewhat wider than the thickness of the flap and extending substantially at right angles to the hinge line of the flap, each slot defining rigidly extended portions on each side thereof, and adapting the free edge portions of the flaps to be interlocked by the interfitting of the slots so that the rigid extended portion on one side of the closure flap will be above the adjacent extended portion of the other



flap, and at the other side the rigid extended portion on the first mentioned closure flap will be below the adjacent extended portion of the other flap, the lines of weakness along the hinges of the flaps with their side walls being sufficiently strong to permit the two flaps to be bent over at right angles to the side wall and interlocked and sufficiently weak so that the two interlocked flaps may be easily disengaged or torn away from the top edges of the side wall by pulling upward upon one overlying extended edge portion.

2,596,088
SOLID FEEDING MEANS FOR FLUID-TYPE PULVERIZER
Conrad Trost and Joseph William Holdcraft, Moorestown, N. J., assignors, by mesne assignments, to Freeport Sulphur Company, New York, N. Y., a corporation of Delaware
Application February 9, 1949, Serial No. 75,424
2 Claims. (Cl. 241—39)



1. In a device for compacting and feeding a mass of partially comminuted material into the grinding chamber of a fluid, circulatory pulverizer in which a grinding fluid is circulated, the combination comprising: a tube having a cylindrical feed chamber communicating at one end thereof with the grinding chamber, the adjacent end of said tube stopping short of said grinding chamber; a closure means disposed within the other end of said feed chamber and a hopper communicating with said feed chamber interme-

diate the ends thereof; a screw rotatably and axially reciprocably supported within said feed chamber, and spaced from said grinding chamber; means, including a shaft extending through said closure and secured to said screw for effecting rotation and for axial adjustment thereof with respect to said grinding chamber; and an annular ridge extending internally from the walls of said feed chamber adjacent to said one end thereof, the area defined by said ridge being equal to the cross-sectional area of said feed chamber less the area absorbed by said screw, whereby said mass of material will have a substantially constant density throughout said feed chamber and will present an unbroken front as it enters said grinding chamber.

DESIGNS

MAY 6, 1952

166,656
LAMP BASE
Louis Benigni, Chicago, Ill.
Application February 4, 1952, Serial No. 18,377
Term of patent 7 years
(Cl. D48—20)



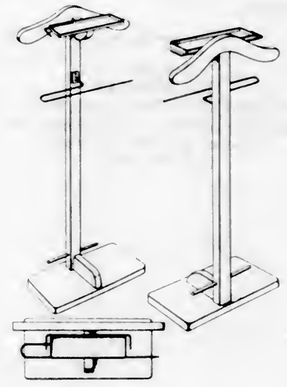
The ornamental design for a lamp base, substantially as shown.

166,657
LAMP BASE
Louis Benigni, Chicago, Ill.
Application February 4, 1952, Serial No. 18,378
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a lamp base, substantially as shown.

166,658
VALET STAND OR SIMILAR ARTICLE
Harry Cohen, Dallas, Tex.
Application January 30, 1952, Serial No. 18,308
Term of patent 14 years
(Cl. D33—8)



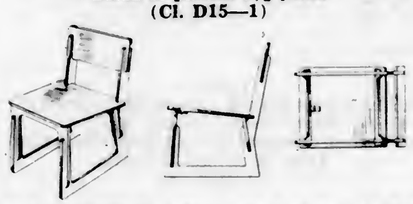
The ornamental design for a valet stand or similar article, substantially as shown.

166,659
COSMETIC CONTAINER
Rocco A. Colotti, Brooklyn, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application February 5, 1952, Serial No. 18,391
Term of patent 14 years
(Cl. D86—10)



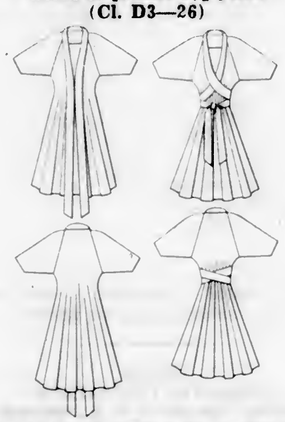
The ornamental design for a cosmetic container, substantially as shown.

166,660
CHAIR
Philip C. Curtis, Scottsdale, Ariz.
Application June 8, 1951, Serial No. 15,466
Term of patent 3½ years
(Cl. D15—1)



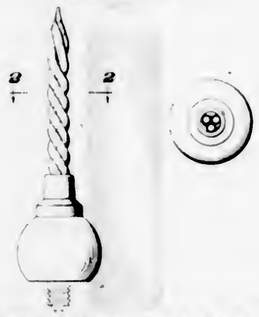
The ornamental design for a chair, substantially as shown.

166,661
HOUSECOAT
Henry Farah, New York, N. Y.
Application December 8, 1951, Serial No. 17,657
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a housecoat, as shown and described.

166,662
DECORATIVE LAMP
Emil C. Fasson, Inglewood, Calif.
Application December 13, 1951, Serial No. 17,723
Term of patent 14 years
(Cl. D26—8)



The ornamental design for a decorative lamp, substantially as shown and described.

166,663
PETTICOAT
Anna Friedman, New York, N. Y.
Application September 6, 1951, Serial No. 16,538
Term of patent 7 years
(Cl. D3—26)



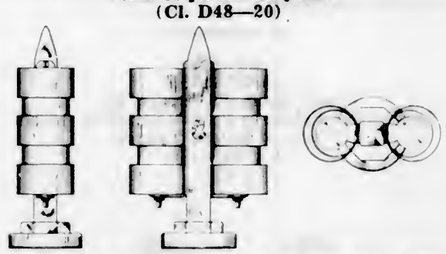
The ornamental design for a petticoat, substantially as shown and described.

166,664
PILLOW
Bertha Godfrey, New York, N. Y.
Application June 27, 1951, Serial No. 15,683
Term of patent 7 years
(Cl. D3—9)



The ornamental design for a pillow, as shown.

166,665
TELEVISION LAMP
Arthur C. Guilmette, Sr., Bristol, Conn.
Application November 10, 1951, Serial No. 17,347
Term of patent 14 years
(Cl. D48—20)



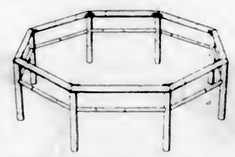
The ornamental design for a television lamp, substantially as shown.

166,666
COCKTAIL TABLE FRAME
Lester Grundy, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y., a corporation of New York
Application January 11, 1951, Serial No. 13,742
Term of patent 14 years
(Cl. D33—14)



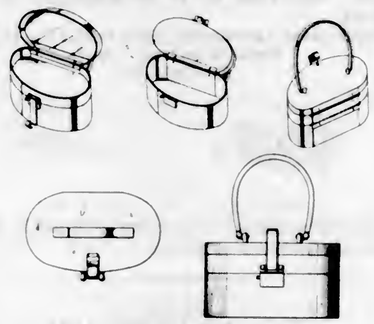
The ornamental design for a cocktail table frame, as shown.

166,667
OCTAGON TABLE FRAME
Lester Grundy, Glen Rock, N. J., assignor to Molla Incorporated, Westbury, N. Y., a corporation of New York
Application January 11, 1951, Serial No. 13,745
Term of patent 14 years
(Cl. D33—14)



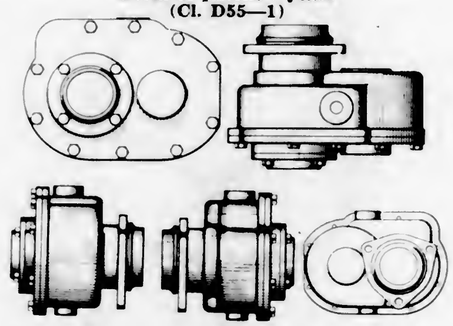
The ornamental design for an octagon table frame, as shown.

166,668
HANDBAG
William H. Hardy, River Edge, N. J.
Application September 14, 1951, Serial No. 16,641
Term of patent 14 years
(Cl. D87—3)



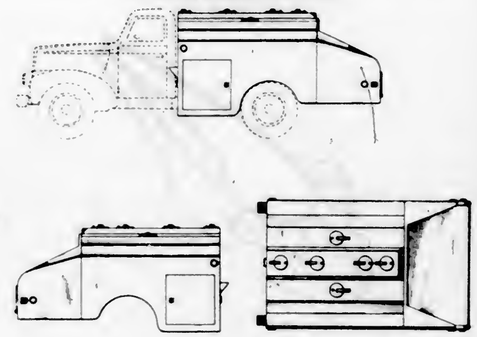
The ornamental design for a handbag, substantially as shown.

166,669
OVERDRIVE HOUSING
Harry F. Heisler, Hudson, Iowa
Application May 15, 1950, Serial No. 9,951
Term of patent 7 years
(Cl. D55—1)



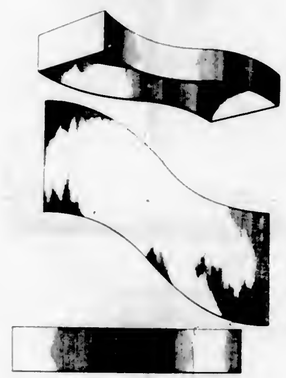
The ornamental design for an overdrive housing, substantially as shown.

166,670
TANK TRUCK BODY
Clarence Hoppel, Blair, Nebr.
Application September 5, 1950, Serial No. 12,064
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a tank truck body, as shown and described.

166,671
LIGHTING FIXTURE
Albert V. Jernigan, Dallas, Tex.
Application December 10, 1949, Serial No. 6,546
Term of patent 14 years
(Cl. D48—23)



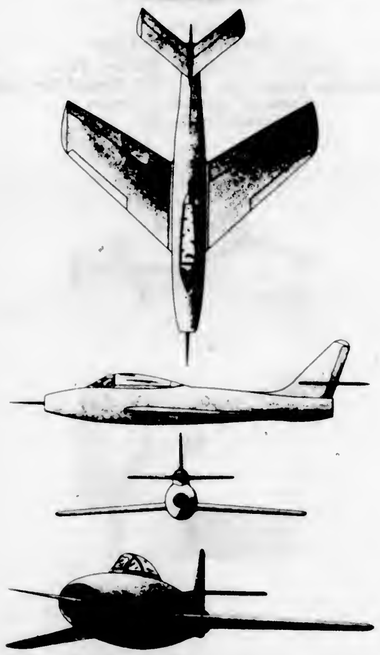
The ornamental design for a lighting fixture, as shown.

166,672
LADY'S FOOTCAP OR THE LIKE
Russell P. Kantor, New York, N. Y.
Application November 28, 1951, Serial No. 17,545
Term of patent 14 years
(Cl. D7—7)



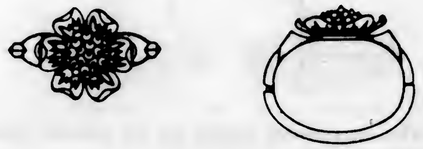
The ornamental design for a lady's footcap or the like, substantially as shown and described.

166,673
AIRPLANE
Alexander Kartveli, Huntington, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application June 16, 1950, Serial No. 10,584
Term of patent 14 years
(Cl. D71—1)



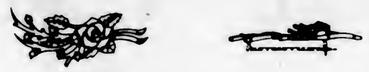
The ornamental design for an airplane, substantially as shown and described.

166,674
BRACELET OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 25, 1952, Serial No. 18,232
Term of patent 7 years
(Cl. D45—4)



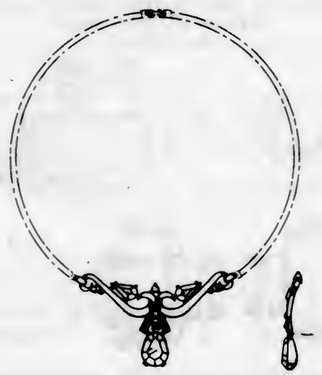
The ornamental design for a bracelet or the like, substantially as shown.

166,675
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 25, 1952, Serial No. 18,235
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,676
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 25, 1952, Serial No. 18,240
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,677
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 31, 1952, Serial No. 18,323
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,678
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 31, 1952, Serial No. 18,324
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,679
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 31, 1952, Serial No. 18,325
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,680
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 31, 1952, Serial No. 18,326
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,681
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 31, 1952, Serial No. 18,327
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,682
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 31, 1952, Serial No. 18,328
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,683
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,366
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,684
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,367
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,685
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,368
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,686
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,369
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,687
EARRING OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,370
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

166,688
EARRING OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,371
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

166,689
EARRING OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,372
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

166,690
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 4, 1952, Serial No. 18,373
Term of patent 7 years
(Cl. D45—16)



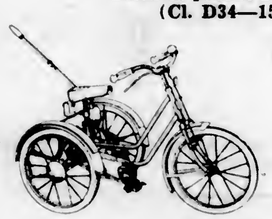
The ornamental design for a necklace or the like, substantially as shown and described.

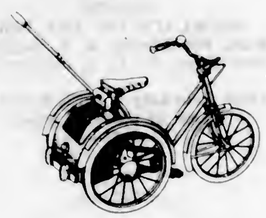
166,691
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 21, 1952, Serial No. 18,628
Term of patent 7 years
(Cl. D45—19)

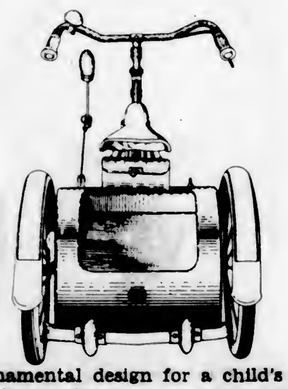


The ornamental design for a brooch or the like, substantially as shown.

166,692
CHILD'S TRICYCLE
Walter Lines, Leigh Place, Godstone, Surrey, England, assignor to Lines Bros. Limited, London, England, a British company
Application August 31, 1951, Serial No. 16,487
In Great Britain April 11, 1951
Term of patent 14 years
(Cl. D34—15)

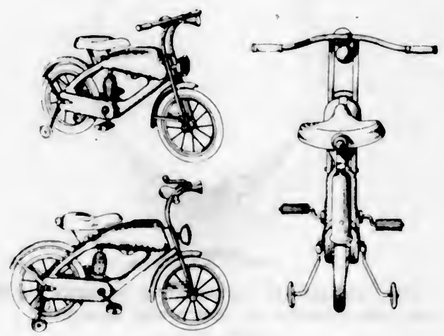






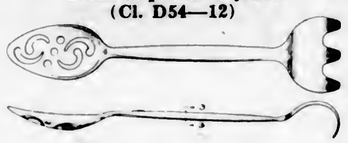
The ornamental design for a child's tricycle, substantially as shown.

166,693
CHILD'S BICYCLE
Walter Lines, Leigh Place, Godstone, Surrey, England, assignor to Lines Bros. Limited, Merton, London, England, a British company
Application September 5, 1951, Serial No. 16,518
In Great Britain April 30, 1951
Term of patent 14 years
(Cl. D34—15)



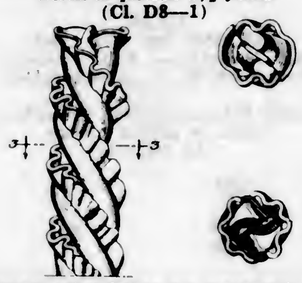
The ornamental design for a child's bicycle, substantially as shown and described.

166,694
COMBINED RELISH SPOON AND FORK
Lauretta S. Madda, Chicago, Ill.
Application August 9, 1951, Serial No. 16,218
Term of patent 7 years
(Cl. D54—12)



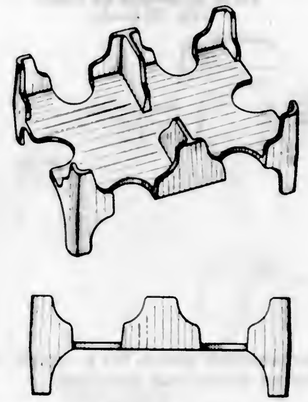
The ornamental design for a combined relish spoon and fork, substantially as shown.

166,695
MACARONI
Donato Maldari, Brooklyn, N. Y.
Application June 8, 1951, Serial No. 15,463
Term of patent 3½ years
(Cl. D8—1)



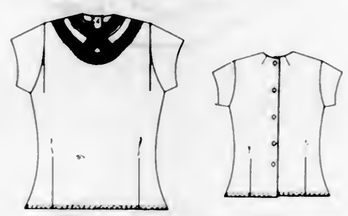
The ornamental design for macaroni, substantially as shown.

166,696
CARD GAME TRAY
Elmer H. Noelting, Evansville, Ind.
Application October 19, 1949, Serial No. 5,581
Term of patent 14 years
(Cl. D34—13)



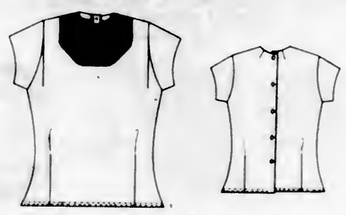
The ornamental design for a card game tray, as shown.

166,697
BLOUSE
Jack Orloff, New York, N. Y.
Application January 25, 1952, Serial No. 18,224
Term of patent 3½ years
(Cl. D3—25)



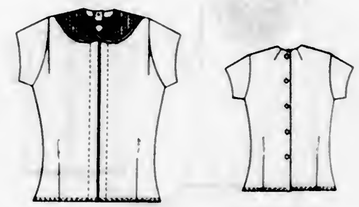
The ornamental design for a blouse, substantially as shown.

166,698
BLOUSE
Jack Orloff, New York, N. Y.
Application January 25, 1952, Serial No. 18,225
Term of patent 3½ years
(Cl. D3—25)



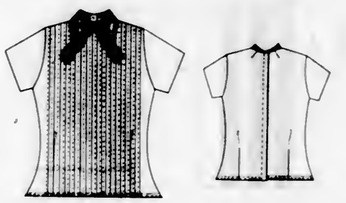
The ornamental design for a blouse, substantially as shown.

166,699
BLOUSE
Jack Orloff, New York, N. Y.
Application January 25, 1952, Serial No. 18,226
Term of patent 3½ years
(Cl. D3—25)



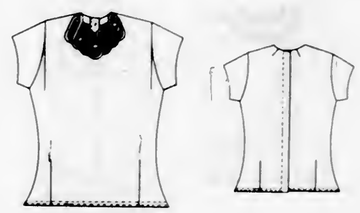
The ornamental design for a blouse, substantially as shown.

166,700
BLOUSE
Jack Orloff, New York, N. Y.
Application January 25, 1952, Serial No. 18,227
Term of patent 3½ years
(Cl. D3—25)



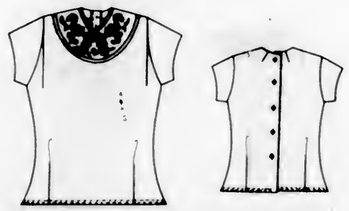
The ornamental design for a blouse, substantially as shown.

166,701
BLOUSE
Jack Orloff, New York, N. Y.
Application January 25, 1952, Serial No. 18,228
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse, substantially as shown.

166,702
BLOUSE
Jack Orloff, New York, N. Y.
Application January 25, 1952, Serial No. 18,229
Term of patent 3½ years
(Cl. D3—25)

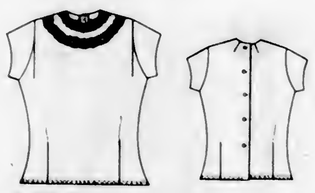


The ornamental design for a blouse, substantially as shown.

166,703
BLOUSE
Jack Orloff, New York, N. Y.
Application January 30, 1952, Serial No. 18,298
Term of patent 3½ years
(Cl. D3—25)

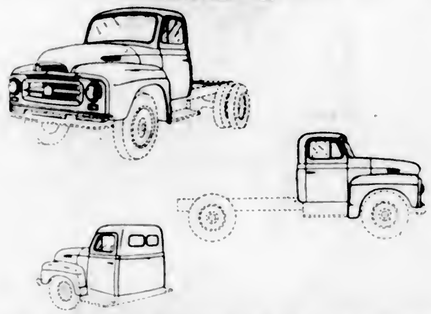
The ornamental design for a blouse, substantially as shown.

166,704
BLOUSE
Jack Orloff, New York, N. Y.
Application January 30, 1952, Serial No. 18,299
Term of patent 3½ years
(Cl. D3—25)



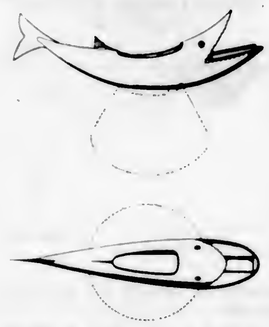
The ornamental design for a blouse, substantially as shown.

166,705
VEHICLE CAB
Theodore Ornaa, Jr., Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application December 29, 1951, Serial No. 17,866
Term of patent 14 years
(Cl. D14—3)



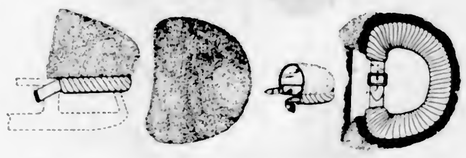
The ornamental design for a vehicle cab, substantially as shown and described.

166,706
ASH TRAY
Elmer Pandy, Clute, Ontario, Canada
Application January 25, 1952, Serial No. 18,223
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown and described.

166,707
SKATING SHOE MUFF
Elizabeth Paster, Detroit, Mich.
Application December 29, 1951, Serial No. 17,865
Term of patent 14 years
(Cl. D7—4)



The ornamental design for a skating shoe muff, as shown and described.

166,708
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 4, 1952, Serial No. 17,932
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown.

166,709
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 17, 1952, Serial No. 18,098
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown.

166,710
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 17, 1952, Serial No. 18,099
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

166,711
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 25, 1952, Serial No. 18,217
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,712
STOCKING
Isidor Rabinowitz, Philadelphia, Pa.
Application January 2, 1952, Serial No. 17,887
Term of patent 14 years
(Cl. D47—7)



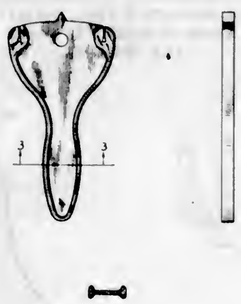
The ornamental design for a stocking, as shown.

166,713
STOCKING
Isidor Rabinowitz, Philadelphia, Pa.
Application January 2, 1952, Serial No. 17,888
Term of patent 14 years
(Cl. D47—7)



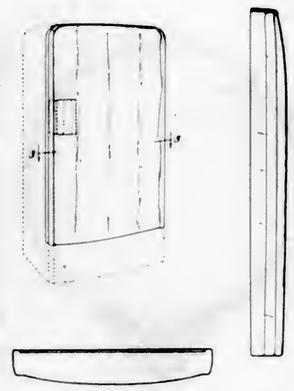
The ornamental design for a stocking, as shown.

166,714
TOY CATAPULT
John A. Riordan, Denver, Colo.
Application January 24, 1952, Serial No. 18,190
Term of patent 7 years
(Cl. D34—15)



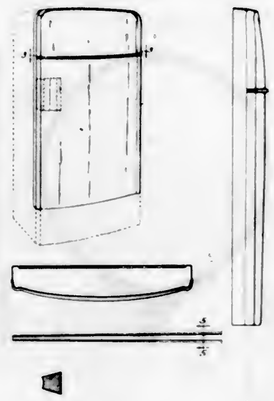
The ornamental design for a toy catapult, as shown.

166,715
REFRIGERATOR CABINET
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application December 30, 1950, Serial No. 13,638
Term of patent 14 years
(Cl. D67—3)



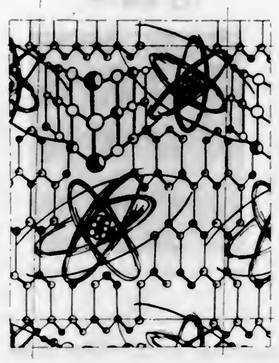
The ornamental design for a refrigerator cabinet, substantially as shown and described.

166,716
REFRIGERATOR CABINET
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application December 30, 1950, Serial No. 13,639
Term of patent 14 years
(Cl. D67—3)



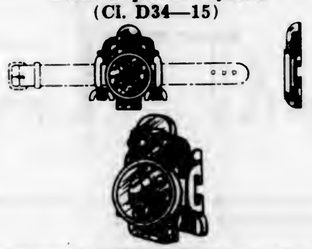
The ornamental design for a refrigerator cabinet, substantially as shown and described.

166,717
TEXTILE FABRIC OR SIMILAR ARTICLE
Gino Scalamandré, Jamaica, N. Y.
Application December 28, 1951, Serial No. 17,841
Term of patent 3½ years
(Cl. D92—1)



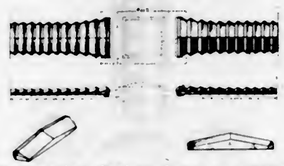
The ornamental design for a textile fabric or similar article, substantially as shown and described.

166,718
NOVELTY BRACELET OR SIMILAR ARTICLE
Milton M. Schrager, Far Rockaway, N. Y.
Application November 19, 1951, Serial No. 17,464
Term of patent 7 years
(Cl. D34—15)



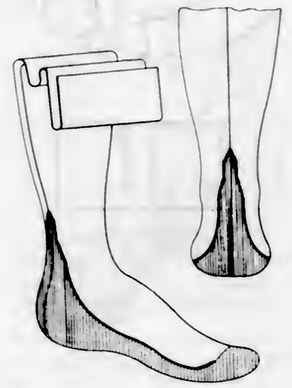
The ornamental design for a novelty bracelet or similar article, substantially as shown and described.

166,719
COMBINED EXPANSIBLE WATCH BAND AND WATCHCASE
Kurt Speck, Palisades Park, N. J., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation of New Jersey
Application May 17, 1951, Serial No. 15,216
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a combined expansible watch band and watchcase, substantially as shown and described.

166,720
STOCKING
Herman Spiller, Philadelphia, Pa.
Application May 22, 1951, Serial No. 15,278
Term of patent 14 years
(Cl. D47—7)



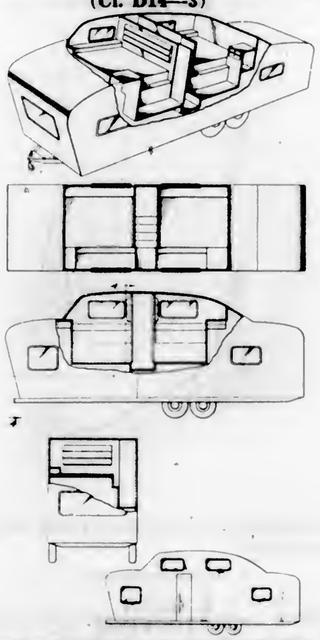
The ornamental design for a stocking, substantially as shown.

166,721
STOCKING
Herbert M. Suess, Rockledge, Pa.
Application December 8, 1951, Serial No. 17,671
Term of patent 14 years
(Cl. D47—7)



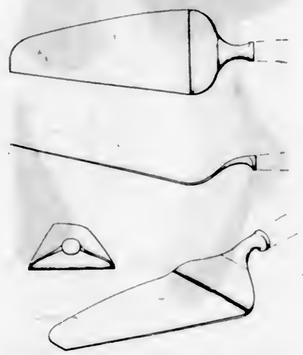
The ornamental design for a stocking, as shown.

166,722
DUPLEX HOUSE TRAILER
Richard Ten Eyck, Wichita, Kans.
Application February 16, 1951, Serial No. 14,237
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a duplex house trailer substantially as shown and described.

166,723
SERVING KNIFE BLADE OR SIMILAR ARTICLE
John O. Van Koert, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application August 23, 1950, Serial No. 11,888
Term of patent 14 years
(Cl. D22—3)



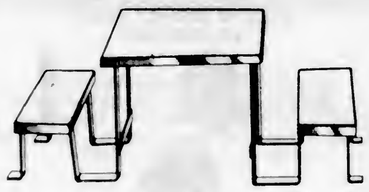
The ornamental design for a serving knife blade or similar article, substantially as shown and described.

166,724
SHEET METAL
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1949, Serial No. 5,179
Term of patent 14 years
(Cl. D54—2)



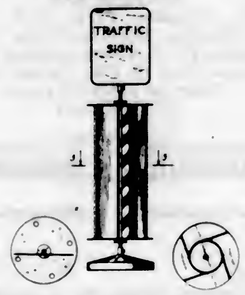
The ornamental design for a sheet metal, as shown.

166,725
TABLE AND SEAT UNIT
Joseph W. Watson, Uvalde, Tex.
Application January 24, 1949, Serial No. 428
Term of patent 7 years
(Cl. D33—14)



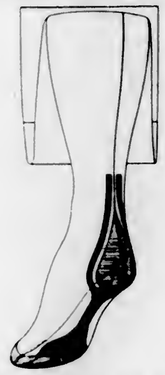
The ornamental design for a table and seat unit, substantially as shown.

166,726
TRAFFIC SIGN DEVICE
Andrew O. Wittreich, Tenafly, N. J.
Application October 26, 1950, Serial No. 12,749
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a traffic sign device, as shown and described.

166,727
LADY'S STOCKING
Alfred E. Wolf, Ephrata, Pa., assignor of one-half to Richard M. Spurgeon, Center Square, Pa.
Application January 16, 1952, Serial No. 18,083
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown and described.

166,728
LADY'S STOCKING
Alfred E. Wolf, Ephrata, Pa., assignor of one-half to Richard M. Spurgeon, Center Square, Pa.
Application January 16, 1952, Serial No. 18,084
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown and described.

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Oral preparation intended to increase the absorption of fat in the human body. Serial No. 607,787 May 13. Class 18.

Abbott Laboratories, North Chicago, Ill. Sulfa suspension. Serial No. 618,563, May 13. Class 18.

Abrasive Tools Limited, London, England. Hacksaws, saws (handtools), and files, etc. Serial No. 616,579, May 13. Class 23.

Affiliated Retailers, Inc., New York, N. Y. Gas ranges and stoves, gas-heated fire-logs, air conditioning units, and parts thereof. Serial No. 614,681, May 13. Class 34.

Agava Products, Inc., Jersey City, N. J. Liquid cleansing compound and conditioner. Serial No. 609,904, May 13. Class 52.

Airmatic Valve, Inc., Cleveland, Ohio. Valves. Serial No. 583,230, May 13. Class 13.

Air-Way Electric Appliances Corporation, Toledo, Ohio. Periodical. Serial No. 593,577, May 13. Class 38.

Ajax Floor Products Corporation, New York, N. Y. Asphaltic mastic compound. Serial No. 501,552, May 13. Class 12.

Aktiebolaget Bofors, Bofors, Sweden. Acrylic and sulphonamide resins. Serial No. 608,335, May 13. Class 6.

Allied Laboratories, Inc., Kansas City, Mo. Ointment. Serial No. 619,281, May 13. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Modified live virus, rabbit origin, vacuum dried hog-cholera vaccine. Serial No. 619,282, May 13. Class 18.

Alpha Chi Rho Fraternity, New York, N. Y. Organizing of chapters. Serial No. 603,565, May 13. Class 100.

American Bottlers of Carbonated Beverages, Washington, D. C. Chemical control compositions. Serial No. 601,487, May 13. Class 6.

American Enka Corporation, Enka, N. C. Rayon yarns. Serial No. 600,463, May 13. Class 43.

American Enka Corporation, Enka, N. C. Rayon yarns. Serial No. 602,593, May 13. Class 43.

American Optical Company, Southbridge, Mass. Ophthalmic frames and mountings. Serial No. 620,769, May 13. Class 26.

American Sand-Banum Company, Inc., New York, N. Y. Fuel oil additive. Serial No. 597,650, May 13. Class 15.

American Type Founders, Inc., Elizabeth, N. J. Printing presses. Serial No. 616,537, May 13. Class 23.

American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. Serial No. 620,658, May 13. Class 37.

Ampex Electric Corporation, San Carlos, Calif. Magnetic tape recorders. Serial No. 592,290, May 13. Class 21.

Anahist Co. Inc., Yonkers, N. Y. Antihistaminic spray preparation. Serial No. 600,529, May 13. Class 18.

Anderson-Nichols & Company, Boston, Mass. Publication. Serial No. 610,664, May 13. Class 38.

Arizona Minerals Corporation, Yuma, Ariz. Water-softening material. Serial No. 621,123, May 13. Class 6.

Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Hydrated lime. Serial No. 611,168, May 13. Class 12.

Associated Paint Distributors, Inc., Philadelphia, Pa. General line of paints and paint products. Serial No. 599,053, May 13. Class 16.

Atlantco & Cie, Paris, France. Perfumes. Serial No. 609,116, May 13. Class 51.

Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Acid and alkaliproof rubber base coating preparation. Serial No. 580,178, May 13. Class 16.

Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Sewer joint compound. Serial No. 618,780, May 13. Class 12.

Attapulgus Clay Company, Philadelphia, Pa. Fuller's earth. Serial No. 619,129, May 13. Class 1.

Automatic Canteen Company of America, Chicago, Ill. Paper cups. Serial No. 594,011, May 13. Class 2.

Barbison Corporation, The, New York, N. Y. Nylon-Satin woven fabric. Serial No. 623,267, May 13. Class 42.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 609,842, May 13. Class 42.

Bayer, Herbert, Aspen, Colo. Sweaters and neckties. Serial No. 613,553, May 13. Class 39.

Beach, Robert, doing business as Independent Printing Company, Fenton, Mich. Paper bags. Serial No. 586,619, May 13. Class 2.

Beacon Manufacturing Company, Swannanoa, N. C. Loop pile rugs. Serial No. 610,538, May 13. Class 42.

Behr-Manning Corporation, Troy, N. Y. Flexible and inflexible abrasives. Serial No. 622,194, May 13. Class 4.

Bimba, Charles W., Monee, Ill. Detergents. Serial No. 599,549, May 13. Class 52.

Blanton Company, The, St. Louis, Mo. Blended vegetable oils. Serial No. 605,139, May 13. Class 46.

Borden Company, The, New York, N. Y. Ice cream and sherbets. Serial No. 556,553, May 13. Class 46.

Bramson Publishing Company, The, Detroit, Mich. Periodical. Serial No. 619,918, May 13. Class 38.

Breit, George, doing business as Tegrity Pharmacal Co., Chicago, Ill. Analgesic tablets. Serial No. 618,620, May 13. Class 18.

Bruckner Chemists, New York, N. Y. Preparation for the treatment of athlete's foot. Serial No. 603,400, May 13. Class 18.

Bryton Chemical Co., Elizabeth, N. J. Sulfonates. Serial No. 620,192-3, May 13. Class 6.

Burger Lane, Spokane, Wash. Sandwiches. Serial No. 601,661, May 13. Class 46.

Calcium Carbonate Company, Chicago, Ill. Calcium carbonate. Serial No. 593,956, May 13. Class 18.

Calso Water Co.: *See*—
Pacific Brewing & Malting Co.

Calvital Company, Inc., Mount Vernon, N. Y. Hygienic preparation. Serial No. 601,871, May 13. Class 18.

Carnation Company, Los Angeles, Calif. Feed. Serial No. 620,590, May 13. Class 46.

Carnegie, Hattie, Inc., New York, N. Y. Colognes. Serial No. 609,392-3, May 13. Class 51.

Carpenter-Morton Company, Boston, Mass. Liquid paints, varnishes, varnish stains, etc. Serial No. 550,665, May 13. Class 16.

Caspe, Saul, New York, N. Y. Medicament. Serial No. 608,299, May 13. Class 18.

Central O-B Products Co. Inc., Buffalo, N. Y. Germicidal disinfecting agent. Serial No. 610,119, May 13. Class 6.

Champ Hats, Inc., Philadelphia, Pa. Men's and boys' hats and caps. Serial No. 619,739, May 13. Class 39.

Chicago Pharmacal Company, Chicago, Ill. Diet supplement. Serial No. 618,785, May 13. Class 18.

Chilcott Laboratories, Inc.: *See*—
Maltine Company, The.

Ciba Limited, Basel, Switzerland. Preparation for treating textile and leather materials. Serial No. 607,934, May 13. Class 6.

Ciba Limited, Basel, Switzerland. Chemotherapeutic agent. Serial No. 607,941, May 13. Class 18.

Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Pharmaceutical preparation. Serial No. 582,276, May 13. Class 18.

Clayton & Lambert Manufacturing Company, Louisville, Ky. Liquid-fuel and gas-fired water heaters. Serial No. 615,107, May 13. Class 34.

Clinton Foods Inc., Clinton, Iowa. Corn syrup for use in leather tanning. Serial No. 608,591, May 13. Class 6.

Coin Counters Corporation, New York, N. Y. Coin counting and wrapping apparatus. Serial No. 593,262, May 13. Class 26.

Columbian Steel Tank Company, Kansas City, Mo. Sheet metal tanks; sheet metal bins; steel barrels, etc. Serial No. 578,370, May 13. Class 2.

Consolidated Grocers Corporation, Chicago, Ill. Canned fruits, canned berries, and canned vegetables. Serial No. 600,766, May 13. Class 46.

Continental Fruit Packing Co., Limited, The, London, England. Canned fruits and canned vegetables. Serial Nos. 617,865–6, May 13. Class 46.

Crawford-Austin Manufacturing Co., Waco, Tex. Cotton picker sacks. Serial No. 559,283, May 13. Class 2.

Daniels Manufacturing Company, Rhinelander, Wis. Paper napkins and towels. Serial No. 617,580, May 13. Class 37.

De-Bug-Er, Inc., Madison, Wis. Chemical refill for automatic vaporizers. Serial No. 618,230, May 13. Class 6.

Delaunay, Arthur J., doing business under the name Zombies Company, Jersey City, N. J. Candy. Serial No. 623,129, May 13. Class 46.

Delman, Inc., New York, N. Y. Shoes. Serial No. 580,826, May 13. Class 39.

Denison Poultry & Egg Company, Denison, Tex. Fresh and frozen dressed poultry. Serial No. 618,109, May 13. Class 46.

Diana Co. of New York, Flushing, N. Y. Liniment. Serial No. 617,949, May 13. Class 18.

Dickinson, Holley B., Los Angeles, Calif. Electrical vibration pick-up. Serial No. 587,539, May 13. Class 26.

Diehl Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y. Exhaust fans. Serial No. 621,871, May 13. Class 34.

Dominion Textile Company Limited, Montreal, Quebec, Canada. Cotton textile fabrics. Serial No. 617,982, May 13. Class 42.

Douglas, Margaret, Brooklyn, N. Y. Powdered soap. Serial No. 614,339, May 13. Class 52.

Drew, E. F., & Co., Inc., New York, N. Y. Wool oils. Serial No. 611,476, May 13. Class 6.

Dunaway, Judson, Corporation, Dover, N. H. Liquid room deodorant. Serial No. 614,498, May 13. Class 6.

Duro Metal Products Co., Chicago, Ill. Magazine. Serial Nos. 619,669–70, May 13. Class 38.

Dutu Corporation: *See*—
Marlene's Inc.

Eagle Chemcial Company, Inc., Joliet, Ill. Silica gel. Serial No. 617,985, May 13. Class 6.
Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Sensitized photographic paper. Serial No. 620,463, May 13. Class 26.
Economy Furniture Upholstery: *See*— Smith, Milton T.
Economy Nursery Company, Little Silver, N. J. Trees, plants, and seeds. Serial No. 591,023, May 13. Class 1.
Edwards, J. A., Company: *See*— Edwards, J. Abbott.
Edwards, J. Abbott, doing business as J. A. Edwards Company, Dexter, Mich. Transparent acetate tape measures. Serial No. 601,983, May 13. Class 26.
Elliott Bay Mill Company, Seattle, Wash. Wooden wall paneling. Serial No. 601,031, May 13. Class 12.
Elvetta Products Co., New York, N. Y., assignee of N. Neumann. Hairnets. Serial No. 592,827, May 13. Class 39.
Emaliet Company, Oak Park, Ill. Effervescent preparation. Serial No. 614,083, May 13. Class 18.
Embassy Chocolates Products Company, Los Angeles, Calif. Candy. Serial No. 598,640, May 13. Class 46.
Enterprise Paint Manufacturing Company, Chicago, Ill. Self-polishing waxes. Serial No. 602,251, May 13. Class 4.
Ever-Soft Corporation, Pittsburgh, Pa. Iron exchange type apparatus for softening water, etc. Serial No. 578,079, May 13. Class 31.
Exolon Company, The, Tonawanda, N. Y. Silicon carbide abrasive grain. Serial No. 573,032, May 13. Class 4.
Fairhope Fabrics, Inc., Fall River, Mass. Bandages. Serial No. 618,541, May 13. Class 44.
Fallbrook Citrus Association, Fallbrook, Calif. Fresh citrus fruits. Serial No. 555,806, May 13. Class 46.
Findley, F. G., Co., The, Milwaukee, Wis. Liquid casein composition. Serial No. 599,320, May 13. Class 5.
Fischer, Fred M., Beaumont, Calif. Medicinal compound. Serial No. 604,908, May 13. Class 18.
Fitspatrick Bros., Inc., Chicago, Ill. Soap flakes. Serial No. 560,613, May 13. Class 52.
Fletcher Paper Company, Alpena, Mich. Printing paper. Serial No. 619,195, May 13. Class 37.
Fletcher Paper Company, Alpena, Mich. Printing paper. Serial No. 619,878, May 13. Class 37.
French, R. T., Company, The, Rochester, N. Y. Dog food. Serial No. 620,596, May 13. Class 46.
French Sardine Co., Inc.: *See*— French Sardine Company of California, The.
French Sardine Company of California, The, doing business as French Sardine Co., Inc., Terminal Island, Calif. Canned sardines. Serial No. 617,662, May 13. Class 46.
Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 623,347, May 13. Class 42.
Gemex Company, Union, N. J. Bracelets and watch bracelets and watch straps. Serial No. 615,059, May 13. Class 28.
Girl Scouts of the United States of America, New York, N. Y. Tooth brushes. Serial No. 611,896, May 13. Class 29.
Goldman, David H., University Heights, Ohio. Combined humidifier and dehumidifier chemical composition. Serial No. 594,378, May 13. Class 6.
Goodrich, B. F., Chemical Company, a division of The B. F. Goodrich Company: *See*— Goodrich, B. F., Company, The.
Goodrich, B. F., Company, The, doing business as B. F. Goodrich Chemical Company, a division of The B. F. Goodrich Company, New York, N. Y., and Akron and Cleveland, Ohio. Agricultural chemicals. Serial No. 601,785, May 13. Class 6.
Goodrich, B. F., Company, The, doing business as B. F. Goodrich Chemical Company, a division of The B. F. Goodrich Company, New York, N. Y., and Akron and Cleveland, Ohio. Agricultural chemicals. Serial No. 620,670, May 13. Class 6.
Goya Incorporated, New York, N. Y. Shaving soap, shaving stick, liquid and solid brilliantines, etc. Serial No. 611,177, May 13. Class 51.
Grace-Lee Products Inc., Minneapolis, Minn. Liquid vegetable soap or oil cleaner. Serial No. 600,666, May 13. Class 52.
Grainger, W. W., Inc., Chicago, Ill. Turbine pumps, centrifugal pumps, deep well jet pumps, etc. Serial No. 608,759, May 13. Class 23.
Green, Nat, Inc., New York, N. Y. Misses' and juniors' coats and suits. Serial No. 618,791, May 13. Class 39.
Greenfield Tap and Die Corporation, Greenfield, Mass. Stocks and dies, and screw plates. Serial No. 607,548, May 13. Class 23.
Grove Laboratories, Inc., The, St. Louis, Mo. Medicinal preparations. Serial No. 614,438, May 13. Class 18.
Heath, L. S., & Sons, Inc., Robinson, Ill. Pasteurized process cheese. Serial No. 601,905, May 13. Class 46.
Heatherdell Sales Agency, New York, N. Y. Piece goods. Serial No. 600,725, May 13. Class 42.
Heller, B., & Company, Chicago, Ill. Food flavoring and spice extracts, food colors, spices, meat seasoning. Serial No. 605,479, May 13. Class 46.
Hellwig, Inc., Chicago, Ill. Sodium para-amino salicylate dihydrate. Serial No. 618,037, May 13. Class 6.
Herbert Manufacturing Co., Inc., New York, N. Y. Rayon satin fabrics. Serial No. 610,064, May 13. Class 42.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 586,856, May 13. Class 52.
Heyden Chemical Corporation, New York, N. Y. Antibiotics. Serial No. 601,914, May 13. Class 18.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Apparel belts and suspenders. Serial No. 615,388, May 13. Class 39.
Highland Park Manufacturing Company, Charlotte, N. C. Cotton piece goods. Serial No. 605,742, May 13. Class 42.
Hunt, Rodney, Machine Company: *See*— Hunt, Rodney, Machine Co.
Hunt, Rodney, Machine Co., Orange, Mass., by change of named from Rodney Hunt Machine Company. Industrial rolls and reels; water controlling apparatus, etc. Serial No. 569,520, May 13. Class 23.
Hyster Company, Portland, Oreg. Toy models. Serial No. 586,166, May 13. Class 22.
Imbs, J. F., Milling Co., St. Louis, Mo. All-purpose wheat flour. Serial No. 620,917, May 13. Class 46.
Imperial Chemical (Pharmaceuticals) Limited, London, England. Veterinary preparation. Serial No. 584,002, May 13. Class 18.
Independent Printing Company: *See*— Beach, Robert.
Industrial Testing Laboratories: *See*— Schlichting, Margaret.
International Doll, Philadelphia, Pa. Dolls. Serial No. 592,496, May 13. Class 22.
Jacobs, E. H., Manufacturing Co., Inc., Danielson, Conn. Loom supplies. Serial No. 558,724, May 13. Class 23.
Janitorial Supplies Corporation, Albany, N. Y. Wax base chemical cleaning compound. Serial No. 591,087, May 13. Class 52.
Jergens, Andrew, Company, The, assignee: *See*— Woodbury, John H., Inc.
Johnson, Carl M., Dekalb, Ill. Live cattle. Serial No. 615,710, May 13. Class 1.
K & N Supply Company, Inc., Plymouth, Ind. Industrial cleaning compound. Serial No. 615,557, May 13. Class 52.
Kalert, F. N., Co., Maplewood, Mo. Liquid medicinal soap, and for medicinal skin, scalp and hair lotion. Serial No. 615,648, May 13. Class 18.
Kappa Alpha Theta Fraternity, Chicago, Ill. Organizing of chapters and alumnae groups. Serial No. 594,552, May 13. Class 100.
Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. Serial No. 609,130, May 13. Class 46.
Kennedy, David E., Inc., Brooklyn, N. Y. Wax. Serial No. 602,265, May 13. Class 4.
Kigu Limited, London, England. Empty cosmetic powder cases. Serial No. 609,080, May 13. Class 2.
King, L. C., Manufacturing Co., The, Bristol, Tenn. Men's and boys' overalls, jackets, dungarees, etc. Serial No. 616,911, May 13. Class 39.
King, L. C., Manufacturing Co., The, Bristol, Tenn. Men's and boys' clothing. Serial No. 618,934, May 13. Class 39.
King, L. C., Manufacturing Co., The, Bristol, Tenn. Men's and boys' overalls, men's coveralls, men's and boys' pants, etc. Serial No. 619,203, May 13. Class 39.
Knauf & Tesch Company, Chilton, Wis. Field and garden seeds. Serial No. 618,890, May 13. Class 1.
Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Stationary metal gas holding structure. Serial No. 565,634, May 13. Class 2.
Kress, S. H., and Company, New York, N. Y. Rubber gloves, absorbent cotton, etc. Serial No. 618,320, May 13. Class 44.
Kuhn, Fred, doing business under the name of National Market Equipment Co., Highland Park, Mich. Frozen food cabinets, refrigerators, and refrigerated display cabinets. Serial No. 617,798, May 13. Class 31.
Kuppenheimer, B., and Co. Inc., Chicago, Ill. Men's and boys' ready-to-wear coats, vests, trousers, and overcoats. Serial No. 615,227, May 13. Class 39.
Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Liniment. Serial No. 591,492, May 13. Class 18.
Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Preparation recommended for the treatment of coughs. Serial No. 591,493, May 13. Class 18.
Lan-O-Sheen, Inc., St. Paul, Minn. Cleaning powder and cleaning compound. Serial No. 586,357, May 13. Class 52.
Larsan Manufacturing Company, The, Columbus, Ohio. Circular saws and hand saws. Serial No. 619,629, May 13. Class 23.
Last Word Sales and Engineering Co., Detroit, Mich. Grinding wheel dressing tools and precision boring tools. Serial No. 611,286, May 13. Class 23.
Lawrence, W. W., & Company, Pittsburgh, Pa. Ready mixed paints. Serial No. 600,961, May 13. Class 16.
Lazy Ike Bait Company, Preston, Minn. Fish lures. Serial No. 572,983, May 13. Class 22.
Lech-Chemie Gersthofen, Gersthofen, near Augsburg, Germany. Weed killers, rodenticides, disinfectants, etc. Serial No. 613,467, May 13. Class 6.
Lekas & Drivas, Inc., New York, N. Y. Olive oil, canned fruits, canned vegetables, etc. Serial No. 580,489, May 13. Class 46.

Liberty Optical Manufacturing Co., Inc., Newark, N. J. Ophthalmic mountings. Serial Nos. 620,892–3, May 13. Class 26.
Litchfield Manufacturing Company, Inc., Litchfield, Ill. Automobile service station accessories. Serial No. 579,440, May 13. Class 2.
Little Rock Tent and Awning Company, Little Rock, Ark. Tents, wagon and truck covers, and tarpaulins. Serial No. 584,914, May 13. Class 50.
Maclennan & Maclennan Limited, Stornoway, Scotland. Textile piece goods. Serial No. 612,812, May 13. Class 42.
Magnus Chemical Co., Inc., Garwood, N. J. Car washing compound. Serial No. 586,098, May 13. Class 52.
Maintenance Inc., Wooster, Ohio. Surface coating material. Serial No. 577,393, May 13. Class 16.
Maltine Company, The, Morris Plains, N. J., now by change of name Chilcott Laboratories, Inc. Pharmaceutical product. Serial No. 617,922, May 13. Class 18.
Marbon Corporation, Gary, Ind. Dispersions of synthetic resins. Serial No. 609,807, May 13. Class 6.
Mar-Gold Corporation, The, Atlanta, Ga. Oleomargarine. Serial No. 619,638, May 13. Class 46.
Marlmac Manufacturing Company, The, Murrayville, Ill. General purpose cleanser. Serial No. 601,224, May 13. Class 52.
Marlene's Inc., doing business under the style name of Dutu Corporation, Chicago, Ill. Vitamin preparation. Serial No. 618,589, May 13. Class 18.
Marlene's Inc., Chicago, Ill. Medicinal preparation. Serial No. 618,590, May 13. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Medical preparation for the treatment of essential hypertension. Serial No. 618,643, May 13. Class 18.
McConahey, Nelson J., doing business as The Too Food Supplement Company, Denver, Colo. Mineral-vitamin dietary supplement. Serial No. 618,321, May 13. Class 18.
McConron, Luella, doing business as Westwear Shop, Klamath Falls, Oreg. Women's and girls' dresses, outer jackets, sport and dress shirts, etc. Serial No. 612,267, May 13. Class 39.
McMath, John N., Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Soap, a saponaceous preparation for making a foaming bath, and shampoo. Serial No. 598,664, May 13. Class 52.
Mead Johnson & Company, Evansville, Ind. Pharmaceutical preparation. Serial No. 608,166, May 13. Class 18.
Meb Export Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 623,253, May 13. Class 42.
Mechler, Harold B. and J., Kaneohe, Oahu, Hawaii. Ceramics. Serial No. 616,723, May 13. Class 50.
Mechler, Julene: *See*— Mechler, Harold B. and J.
Metroloy Corporation, assignor, by mesne assignments, to Metroloy Corporation, New Rochelle, N. Y. Pinking shears. Serial No. 589,325, May 13. Class 23.
Metropolitan Cigar Corporation, Chicago, Ill. Cigars. Serial No. 620,678, May 13. Class 17.
Mid-State Chemical Supply Co., Lindsay, Calif. Herbicides, dry emulsifiers, insecticides, etc. Serial No. 621,893, May 13. Class 6.
Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Medicinal preparation. Serial No. 618,095, May 13. Class 18.
Mills Manufacturing Corporation, New York, N. Y. Sanitary belts. Serial No. 619,306, May 13. Class 44.
Mitten, Frank P., Redlands, Calif. Font assortments of letters and figures and illustrating accessories. Serial No. 616,180, May 13. Class 50.
Model Shoe Co., Cincinnati, Ohio. Men's, women's, and children's shoes. Serial No. 592,920, May 13. Class 39.
Monsanto Chemical Company, St. Louis, Mo. Detergents. Serial No. 554,907, May 13. Class 52.
Monsanto Chemical Company, St. Louis, Mo. Water resistant glue. Serial No. 571,655, May 13. Class 5.
Moosalina Products Corporation, Brooklyn, N. Y. Canned tomato paste, canned tomatoes and puree, etc. Serial No. 607,636, May 13. Class 46.
Naamloose Vennootschap Kunstzijdespinnerij Nyma, Nimeguen, Netherlands. Carboxymethylcellulose, hydroxyethylcellulose, methylcellulose, etc. Serial No. 606,431, May 13. Class 6.
Nadeau, Edward A. and F. H., Philadelphia, Pa. Chocolate-coated candies. Serial No. 578,699, May 13. Class 46.
Nadeau, Frances H.: *See*— Nadeau, Edward A. and F. H.
National Biochemical Company: *See*— Swimmer, Jerome.
National Cash Register Company, The, Dayton, Ohio. Ink remover. Serial Nos. 608,888–90, May 13. Class 52.
National Market Equipment Co.: *See*— Kuhn, Fred.
Nativelle Incorporated, New York, N. Y. Quinidine sulphate. Serial No. 600,347, May 13. Class 18.
Neenah Paper Company, Neenah, Wis. Bond, ledger, and writing paper. Serial No. 550,544, May 13. Class 37.
Neumann, Norbert, assignee: *See*— Elvetta Products Co.
New York Association for the Blind, Inc., The, New York, N. Y. Mops. Serial No. 606,041, May 13. Class 29.
O'Brian, A. W., & Co., Hutchinson, Kans. Medicinal oil. Serial No. 603,810, May 13. Class 18.
Pacific Brewing & Malting Co., also doing business as Calso Water Co., San Francisco, Calif. Carbonated water. Serial No. 612,926, May 13. Class 45.
Pacific Coast Engineering Company, Alameda, Calif. Custom fabrication of metal goods. Serial No. 591,311, May 13. Class 106.
Patterson-Sargent Company, The, Cleveland, Ohio. Ready-mixed paints. Serial No. 603,371, May 13. Class 16.
Perrott, Robert A., Brunswick, Ga. Advertising the goods and services of others. Serial No. 580,854, May 13. Class 101.
Petroleum Specialties, Inc., New York, N. Y. Lubricating oil additives. Serial No. 619,352, May 13. Class 15.
Petroleum Specialties, Inc., New York, N. Y. Motor oils. Serial No. 619,353, May 13. Class 15.
Petroleum Specialties, Inc., New York, N. Y. Highly refined technical white mineral oils. Serial No. 619,354, May 13. Class 15.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y. Stabilized vitamin A preparation. Serial No. 616,122, May 13. Class 18.
Phillips Petroleum Company, Bartlesville, Okla. Flushing oil for cleaning metal surfaces. Serial No. 562,495, May 13. Class 52.
Pil-Aid Company, New Orleans, La. Preparation for use in the treatment of hemorrhoids. Serial No. 617,260, May 13. Class 18.
Pioneer Hi-Bred Corn Co., Des Moines, Iowa. Poultry medicines. Serial No. 590,521, May 13. Class 18.
Plough, Inc., Memphis, Tenn. Antihistamine compound tablet. Serial No. 601,375, May 13. Class 18.
Powers-Samas Accounting Machines Limited, London, England. Record cards and tabulator paper. Serial No. 608,732, May 13. Class 37.
Provenzano, Gaetano, New York, N. Y. Gasoline. Serial No. 513,950, May 13. Class 15.
Proxite Products, Inc., Brooklyn, N. Y. Ammonia, disinfectants, laundry bleaches, etc. Serial No. 609,698, May 13. Class 6.
Proxite Products, Inc., Brooklyn, N. Y. Laundry bluing. Serial No. 609,699, May 13. Class 6.
Rand Pillo Case Corporation, New York, N. Y. Pillow cases. Serial No. 607,602, May 13. Class 42.
Reliance Varnish Company, Inc., Louisville, Ky. Wood finishing materials. Serial No. 583,171, May 13. Class 16.
Reon Company, Ambler, Pa. Preparation for the relief of poison ivy, etc. Serial No. 618,403, May 13. Class 18.
Roberts, Charles D., Company, Greensboro, N. C. Hickory, ash, dogwood, and persimmon tool handles. Serial No. 602,914, May 13. Class 23.
Robertshaw-Fulton Controls Company, Greensburg, Pa. Thermostatic and thermomagnetic control valves. Serial No. 620,378, May 13. Class 26.
Romac Industries, Audubon, N. J. Filled, valve controlled containers for producing household and industrial insecticide, germicide, etc., aerosols. Serial No. 618,715, May 13. Class 6.
St. Joe Processing Company, Inc., St. Joseph, Minn. Feeds. Serial No. 619,106, May 13. Class 46.
St. Lawrence Chemical Company, Inc., Ogdensburg, N. Y. Powdered and liquid preparations for use as an inhalant. Serial No. 600,700, May 13. Class 18.
Sandoz Chemical Works, Inc., New York, N. Y. Liquid non-ionic dyeing assistant. Serial No. 620,111, May 13. Class 6.
Santos, Manuel, doing business as Tosan's Drug Co., New York, N. Y. Medical tablet. Serial No. 618,372, May 13. Class 18.
Sargent & Company, New Haven, Conn. Carpenter's planes. Serial No. 608,570, May 13. Class 23.
Sargent, Lloyd: *See*— McMath, John N., Co.
Schenley Laboratories, Inc., New York, N. Y. Laxative tablets. Serial No. 607,902, May 13. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Animal and poultry feed supplement. Serial No. 609,200, published May 13. Class 18.
Schenley Laboratories, Inc., New York, N. Y. Pharmaceutical product. Serial No. 609,202, published May 13. Class 18.
Schleffelin & Co., New York, N. Y. Thromboplastin solution. Serial No. 603,385, published May 13. Class 18.
Schleffelin & Co., New York, N. Y. Anti-spasmodic. Serial No. 608,955, published May 13. Class 18.
Schlichting, Margaret, doing business under the name of Industrial Testing Laboratories, New York, N. Y. Leather dressing. Serial No. 620,279, published May 13. Class 6.
Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. Serial No. 541,196, published May 13. Class 48.
Sea Modes, Inc., Brooklyn, N. Y. Swim suits. Serial No. 513,641, published May 13. Class 39.
Seilright Giftwares Corp., New York, N. Y. Copper cooking ware. Serial No. 615,858, published May 13. Class 13.
Seydel-Woolley & Company, Atlanta, Ga. Soaps and synthetic detergents. Serial No. 602,222, published May 13. Class 52.
Shalboub, Sonny, Los Angeles, Calif. Fresh vegetables. Serial No. 621,170, published May 13. Class 46.
Shell Oil Company, New York, N. Y. Motor oil. Serial No. 616,212, published May 13. Class 15.

Shine Boy Products, Philadelphia, Pa. Shoe cleaners. Serial No. 615,518, published May 13. Class 52.

Simpson Bros., Inc., doing business under the name and style of Wakefield Model Farms Dairy, Washington, D. C. Dairy products. Serial No. 607,725, published May 13. Class 46.

Simpson, Wm., Sons, & Co., Inc., Philadelphia, Pa. Print cloth. Serial No. 611,377, published May 13. Class 42.

Smith-Dorsey Company, The, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill. Antacid and absorbent preparations. Serial No. 618,557, published May 13. Class 18.

Smith-Dorsey Company, The, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill. Sulfonamide preparation. Serial No. 619,037, published May 13. Class 18.

Smith-Dorsey Company, The, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill. Medicinal salicylate preparation. Serial No. 619,039, published May 13. Class 18.

Smith, Milton T., doing business as Economy Furniture Upholstery, Austin, Tex. End tables, coffee tables, lounge chairs, etc. Serial No. 620,371, published May 13. Class 32.

Snively Groves, Inc., Winter Haven, Fla. Canned citrus fruits, and canned citrus fruit juices. Serial No. 603,865, published May 13. Class 46.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils. Serial No. 618,057, published May 13. Class 15.

Southern Fruit Distributors, Inc., Orlando, Fla. Potatoes. Serial No. 554,433, published May 13. Class 46.

Sport Products, Inc., Cincinnati, Ohio. Sportswear. Serial No. 530,981, published May 13. Class 39.

Standard Cap and Seal Corporation, Chicago, Ill., and elsewhere. Merchandise bags. Serial No. 592,947, published May 13. Class 2.

Standard Crankshaft & Hydraulic Co., Inc., Charlotte, N. C. Crankshaft repair and rebuilding service. Serial No. 618,249, published May 13. Class 103.

Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 528,894, published May 13. Class 45.

Stanley Home Products, Inc., Westfield, Mass. Glue. Serial No. 604,398 published May 13. Class 5.

State Equipment Company, Harrisburg, Pa. Periodical publications. Serial No. 595,169, published May 13. Class 38.

Stel-Zanto Company, Inc., Markesan, Wis. Whitewall tire cleaner. Serial No. 583,714, published May 13. Class 52.

Stelzer Bros., Inc., New York, N. Y. Apparel belts. Serial Nos. 617,632–4, published May 13. Class 39.

Stenzel, R., Pickle Products: *See*—
Stenzel, Rudolph J.

Stenzel, Rudolph J., doing business as R. Stenzel Pickle Products, San Leandro, Calif. Bottled pickles, chili peppers, Italian style peppers, etc. Serial No. 599,599, published May 13. Class 46.

Stern, Merritt Co. Inc., New York, N. Y. Neckties. Serial No. 612,766, published May 13. Class 39.

Strohmeyer & Arpe Company, New York, N. Y. Carnauba, Japan, candelilla, ouricury, montan, and synthetic waxes. Serial No. 616,611, published May 13. Class 6.

Sundure Paint Corporation, Syracuse, N. Y. Oil type sand finish paint. Serial No. 599,276, published May 13. Class 16.

Sutton Shirt Corp., New York, N. Y. Men's outer shirts. Serial No. 590,842, published May 13. Class 39.

Swanson, L. V., Winter Park, Fla. Tropical guava jelly, orange marmalade, tangerine and calamondin marmalade, etc. Serial No. 608,837, published May 13. Class 46.

Swift & Company, Chicago, Ill. Cleanser. Serial No. 618,375, published May 13. Class 4.

Swimmer, Jerome, doing business as National Biochemical Company, Chicago, Ill. Reagents and solutions of reagents, etc. Serial No. 610,472, published May 13. Class 6.

Switzer Brothers, Inc., Cleveland, Ohio. Pigments, bronzing powder and textile paste concentrates. Serial No. 618,772, published May 13. Class 6.

Tegrity Pharmacal Co.: *See*—
Breit, George.

Teweles, L., Seed Co., Milwaukee, Wis. Lawn seed. Serial No. 619,272, published May 13. Class 1.

Texas Company, The, Dover, Del., and New York, N. Y. Lubricating greases. Serial No. 618,871, published May 13. Class 15.

Theiler, H. J., Corporation, Whitinsville, Mass. Textile equipment. Serial No. 595,521, published May 13. Class 23.

Thresher Paint & Varnish Company, The, Dayton, Ohio. Liquid paints, liquid paint enamels, liquid undercoats, etc. Serial No. 535,900, published May 13. Class 16.

Timber Engineering Company, Washington, D. C. Fertilizers and soil improvement materials. Serial No. 619,525, published May 13. Class 10.

Tivoli-Union Company, The, Denver, Colo. Ale. Serial No. 544,130, published May 13. Class 48.

Too Food Supplement Company, The: *See*—
McConahey, Nelson J.

Topton Rug Manufacturing Co., Mertztown, Pa., and New York, N. Y. Hand-loomed cotton rugs. Serial No. 612,977, published May 13. Class 42.

Tosan's Drug Co.: *See*—
Santos, Manuel.

True Temper Corporation, Cleveland, Ohio. Golf shafts and fishing rods. Serial No. 602,579, published May 13. Class 22.

Undertakers Supply Co., Chicago, Ill. Embalming fluid. Serial Nos. 621,591–2, published May 13. Class 6.

United Cloak Co., Inc., Detroit Mich. Ladies', juniors' and misses' coats and suits. Serial No. 603,337, published May 13. Class 39.

Universal Concrete Pipe Company, Columbus, Ohio. Precast, molded and reinforced concrete building blocks; and deck, floor, curb and cribbing slabs. Serial No. 608,724, published May 13. Class 12.

Universal Oil Products Company, Chicago, Ill. Gasoline. Serial No. 605,935, published May 13. Class 15.

Vorley, James & Sons, Inc., St. Louis, Mo. Bactericidal and germicidal detergent. Serial No. 599,541, published May 13. Class 52.

Vela, Juan Martinez, Inc., San Juan, P. R. Grooved phonograph records. Serial No. 608,132, published May 13. Class 36.

Vital Products Manufacturing Company, Cleveland, Ohio. Calking compound. Serial No. 589,348, published May 13. Class 12.

Volge Abrasive Company: *See*—
Volge, Carl F.

Volge, Carl F., doing business under the firm name and style of Volge Abrasive Company, Cincinnati, Ohio. Stone blasting abrasives. Serial No. 613,388, published May 13. Class 4.

Wakefield Model Farms Dairy: *See*—
Simpson Bros., Inc.

Wander Company, The, assignee: *See*—
Smith-Dorsey Company, The.

Western Garment Company, St. Louis, Mo. Women's and misses' coats and suits. Serial No. 563,383, published May 13. Class 39.

Western Lithograph Company, The, Wichita, Kans. Interleaved one-time carbon manifold forms. Serial No. 579,957, published May 13. Class 37.

Westwear Shop: *See*—
McConron, Luella.

Will & Baumer Candle Co., Inc., Syracuse, N. Y. Wax candles. Serial No. 617,848, published May 13. Class 15.

Wilson, Ernest, doing business under the firm name and style of Ernest Wilson Candy Company, San Fraciaco, Calif. Candy. Serial No. 620,763, published May 13. Class 46.

Wilson, Ernest, Candy Company: *See*—
Wilson, Ernest.

Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Mixture for use on crops as a spray or dust. Serial No. 597,927, published May 13. Class 6.

Winthrop-Stearns Inc., New York, N. Y. Anti-nauseant and anti-emetic preparation. Serial No. 618,220, published May 13. Class 18.

Winthrop-Stearns Inc., New York, N. Y. Bronchodilator and antispasmodic for the treatment of bronchial spasm. Serial No. 618,474, published May 13. Class 18.

Wolf, John, Textiles, Inc., New York, N. Y. Printed cotton piece goods. Serial No. 623,382, published May 13. Class 42.

Woodbury, John H., Inc., assignor to The Andrew Jergens Company, Cincinnati, Ohio. Face powder. Serial No. 601,181, published May 13. Class 51.

Woodbury, John H., Inc., assignor to The Andrew Jergens Company, Cincinnati, Ohio. Face powder. Serial No. 602,118, published May 13. Class 51.

Zenith Radio Corporation, Chicago, Ill. Electrical hearing aids and parts thereof. Serial No. 618,828, published May 13. Class 44.

Zombies Company: *See*—
Delaunay, Arthur J.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme M'F'g Co., The, Southington, to The Stanley Works, New Britain, Conn. Ice-picks, awls, tack-pullers, etc. 38,607, re-renewed July 15, 1952. O. G. May 13. Class 23.

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 558,895, May 13; Serial No. 594,183. Class 23.

Adams, Lois S., New York, N. Y. Cleaning mit. 558,690, May 13; Serial No. 594,610, published Jan. 8, 1952. Class 29.

Aircraft Electronics Associates, Incorporated, Hartford, Conn. Electrical apparatus for the measurement and diagnosis of vibration and noise. 558,654, May 13; Serial No. 583,015, published Jan. 1, 1952. Class 26.

Allen Industries, Incorporated, Detroit, Mich. Crib mattresses. 558,665, May 13; Serial No. 586,454, published Feb. 26, 1952. Class 32.

Alumatic Corporation of America, West Allis, Wis. Combination windows. 558,739, May 13; Serial No. 602,818, published Jan. 22, 1952. Class 12.

Alwin Brush & Supply Company, Milwaukee, Wis. Floor brushes. 558,615, May 13; Serial No. 566,114, published Jan. 8, 1952. Class 29.

Ambassador Christian Educational Film Association, Chicago, Ill. Christian educational sound motion pictures. 558,633, May 13; Serial No. 575,799, published Jan. 1, 1952. Class 26.

American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y. Sponge rubber pillows. 558,767, May 13; Serial No. 605,573, published Feb. 26, 1952. Class 32.

American Lubricants Company, The, doing business as Tiffany Asphalt and Grease Works, Dayton, Ohio. Asbestos fibre roof coating and plastic asbestos roof cement. 558,607, May 13; Serial No. 561,546, published Jan. 15, 1952. Class 12.

American Paper Goods Company, The, Montclair, N. J., and Kensington, Conn., to The American Paper Goods Company, Kensington, Conn. Paper bags and drinking-cups. 85,721, re-renewed Mar. 12, 1952. O. G. May 13. Class 2.

American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Radiators. 558,832, May 13; Serial No. 613,859, published Jan. 22, 1952. Class 34.

Anthracite Institute, Wilkes-Barre, Pa. Equipment for use with anthracite coal. 558,883, May 13; Serial No. 556,238, published Feb. 12, 1952. Class 34.

Apollo Company Inc., The, Detroit, Mich. Utility bags of leather. 558,637, May 13; Serial No. 576,605, published Jan. 22, 1952. Class 3.

Arkansas Company, Inc., Newark, N. J. Oils, chemicals, softeners and finishers. 558,601, May 13; Serial No. 552,110, published Jan. 8, 1952. Class 6.

Armour and Company, doing business under the trade style Armour Leather Company, Chicago, Ill., and Sheboygan, Wis. Upper leather. 558,660, May 13; Serial No. 584,605, published Dec. 25, 1951. Class 1.

Armour Leather Company: *See*—
Armour and Company.

Armstrong Cork Company, Lancaster, Pa. Linoleum. 558,855. May 13; Serial No. 616,008, published Feb. 26, 1952. Class 20.

Aseptic-Thermo Indicator Co., Los Angeles, Calif. Chemically treated paper indicators. 558,718, May 13; Serial No. 598,941, published Feb. 26, 1952. Class 6.

Ashland Oil & Refining Company, Ashland, Ky. Gasoline, kerosene, lubricating oils and greases, etc. 558,675. May 13; Serial No. 591,273, published Jan. 8, 1952. Class 15.

Associated American Artists, Inc., New York, N. Y. Cigarette boxes and ash trays. 558,860, May 13; Serial No. 616,400, published Feb. 26, 1952. Class 8.

Associated American Artists, Inc., New York, N. Y. Cigarette boxes and ash trays. 558,861, May 13; Serial No. 616,402, published Feb. 26, 1952. Class 8.

Atlas Brewing Company, Chicago, Ill. Beer and ale. 558,634, May 13; Serial No. 576,028, published Jan. 8, 1952. Class 48.

Atlas Supply Company, Newark, N. J. Anti-skid chains. 290,819, renewed Jan. 19, 1952. O. G. May 13. Class 13.

Autogas Company, Chicago, Ill. Gas operated incinerators. 558,672, May 13; Serial No. 589,552, published Feb. 5, 1952. Class 34.

Avon Products, Inc., New York, N. Y., assignor to Avon Products, Inc. Face powder. 558,893, May 13; Serial No. 590,066. Class 51.

Babcock & Wilcox Company, The: *See*—
Fuller Lehigh Company.

Bailey Meter Company, Cleveland, Ohio. Cellular filtering material. 558,764, May 13; Serial No. 605,543, published Feb. 5, 1952. Class 31.

Ballinger, W. A., & Co., San Francisco, Calif. Sheets and pillowcases. 558,869, May 13; Serial No. 618,877, published Feb. 19 1952. Class 42.

Barnes-Hind Laboratories, San Francisco, Calif. Medicine and pharmaceutical preparations and ingredients of medicines and pharmaceutical preparations. 558,871, May 13; Serial No. 620,482, published Feb. 19, 1952. Class 18.

Beckwith, Mary P., Garrison, N. Y. China and porcelain vases, jardinieres, crockery, and pottery. 295,671, renewed July 5, 1952. O. G. May 13. Class 30.

Behr-Manning Corporation, Troy, N. Y. Adhesives. 558,810, May 13; Serial No. 611,883, published Feb. 19, 1952. Class 5.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 558,816, May 13; Serial No. 612,291, published Feb. 19, 1952. Class 4.

Beiersdorf, P., & Co. Inc., New York, N. Y., to Duke Laboratories, Inc., Stamford, Conn. Adhesive plasters. 286,242, renewed Aug. 25, 1951. O. G. May 13. Class 44.

Beiersdorf, P., & Co. Inc., New York, N. Y., to Duke Laboratories, Inc., Stamford, Conn. Medicated adhesive plasters. 287,770, renewed Oct. 6, 1951. O. G. May 13. Class 18.

Belfast Beverages, Inc., San Francisco, Calif. Root beer. 558,737, May 13; Serial No. 602,543, published Jan. 1, 1952. Class 45.

Belk Brothers Company, The, Charlotte, N. C. Ladies' panties. 558,599, May 13; Serial No. 548,231, published Feb. 19. 1952. Class 39.

Belvedere Sewing Machine Co., Inc., Los Angeles, Calif. Electrically operated sewing machines. 558,897, May 13; Serial No. 595,055. Class 23.

Berghoff Brewing Corporation, Fort Wayne, Ind. Beer. 558,598, May 13; Serial No. 548,043, published Feb. 12, 1952. Class 48.

Bishop & Babcock Manufacturing Company, The, Cleveland, Ohio. Heating, ventilating, and air conditioning fans and blowers, and air washers. 558,679, May 13; Serial No. 592,801, published Feb. 5, 1952. Class 34.

Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic equipment. 558,592, May 13; Serial No. 538,864, published Feb. 5, 1952. Class 23.

Blaine Co., The, also known as The Blaine Company, Philadelphia, Pa. Women's, misses' and children's dresses. 558,863, May 13; Serial No. 616,656, published Feb. 19, 1952. Class 39.

Blaine Company, The: *See*—
Blaine Co., The.

Blemarz Laboratories: *See*—
Starck, William J.

Blocksom & Company, Michigan City, Ind. Loose curled hair, woven or interlaced curled hair, and rubberized curled hair. 558,650, May 13; Serial No. 582,016, published Dec. 25, 1951. Class 1.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 290,972, renewed Jan. 19, 1952. O. G. May 13. Class 42.

Borcherdt Malt Extract Company, Chicago, Ill. Preparation for the treatment of bladder infections. 558,674, May 13; Serial No. 589,632, published Dec. 18, 1951. Class 18.

Botany Mills, Inc., Passaic, N. J. Lanolin. 558,865, May 13; Serial No. 617,142, published Feb. 19, 1952. Class 6.

Bouligny, R. H., Inc., Charlotte, N. C. Power driven sanding machines. 558,732, May 13; Serial No. 601,596, published Jan. 22, 1952. Class 23.

Bound Brook Oil-Less Bearing Company: *See*—
Franklin Company, The.

Breon, George A., & Company, New York, N. Y. Estrogenic substance preparation. 558,823, May 13; Serial No. 613,212, published Dec. 25, 1951. Class 18.

Brevitt Shoes Limited, Leicester, England. Shoes. 444,470–1, Apr. 17, 1951. Republished May 13. Class 39.

Brevitt Shoes Limited, Leicester, England. Shoes. 444,475, Apr. 24, 1951. Republished May 13. Class 39.

Briggs Filtration Company, The, Washington, D. C. Clarifiers of lubricating oils for engines, and oil clarifier refills. 558,590, May 13; Serial No. 531,431, published Jan. 29, 1952. Class 31.

Bright, T. G., & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Wines. 558,638, May 13; Serial No. 576,619, published Jan. 1, 1952. Class 47.

Bright, T. G., & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Wines. 558,639, May 13; Serial No. 576,624, published Jan. 1, 1952. Class 47.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables and parts thereof, and accessories therefor. 558,716, May 13; Serial No. 598,881, published Feb. 26, 1952. Class 22.

Bulletin Company, Philadelphia, Pa. Information service. 554,058. Jan. 22, 1952. Corrected. O. G. May 13. Class 107.

Bunny Bear Inc., Everett, Mass., assignee of Rand Rubber Company, Inc. Infants' crib mattresses. 558,588, May 13; Serial No. 513,274, published Jan. 8, 1952. Class 32.

Butterfield, Fred, & Co., Inc., New York, to Cluett, Peabody & Co., Inc., Troy, N. Y. Silk, rayon, cotton, and/or combinations thereof, in the piece; etc. 295,007, renewed June 14, 1952. O. G. May 13. Class 42.

Cadillac Toy Mfg. Co., assignor to Cadillac Toy Mfg. Co., Inc., New York, N. Y. Toy make-up or beauty kits. 558,645, May 13; Serial No. 579,258, published Jan. 29, 1952. Class 22.

Cadillac Toy Mfg. Co., Inc., assignee: *See*—
Cadillac Toy Mfg. Co.

Cape Ann Manufacturing Company, Gloucester, Mass. Men's and boys' wearing apparel. 558,815, May 13; Serial No. 612,241, published Jan. 22, 1952. Class 39.

Carson Pirie Scott & Company, Chicago, Ill. Men's and women's shoes. 558,600, May 13; Serial No. 551,938, published Feb. 6, 1951. Class 39.

Castro Decorators, Inc., New York, N. Y. Upholstered furniture. 558,717, May 13; Serial No. 598,884, published Feb. 26, 1952. Class 32.

Caterpillar Tractor Co., Peoria, Ill. Service, maintenance and repair of internal combustion engines, etc. 558,877, May 13; Serial No. 601,254, published Feb. 19, 1952. Class 103.

Century Metalcraft Corporation, Los Angeles, Calif. General cleaning compound. 558,628, May 13; Serial No. 573,518, published Feb. 19, 1952. Class 52.

Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mat. 291,694, renewed Feb. 23, 1952. O. G. May 13. Class 50.

Chap Stick Co.: *See*—
Morton Manufacturing Corporation.

Charles, John C., Co.: *See*—
Freiburg, John, & Co.

Chek Laboratories, Eugene, Oreg. Chemical preparation. 558,898, May 13; Serial No. 595,447. Class 6.

Chemagro Corporation, New York, N. Y. Emulsifying and dispersing agents. 558,782, May 13; Serial No. 608,300, published Feb. 19, 1952. Class 6.

Chesterfield Watch Corp., New York, N. Y. Watches, watch cases, and parts thereof. 558,649, May 13; Serial No. 581,866, published Dec. 25, 1951. Class 27.

Christopher, Albertha, New York, N. Y. Medicated drink. 558,906, May 13; Serial No. 605,467. Class 18.

Cincinnati Milling Machine Co., The, Cincinnati, Ohio. Machine for the heat-treating of metal parts. 558,629, May 13; Serial No. 574,210, published Feb. 5, 1952. Class 34.

Cluett, Peabody & Co., to Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts, collars, cuffs, etc. 38,452, re-renewed June 17, 1952. O. G. May 13. Class 39.

Cluett, Peabody & Co., Inc.: *See*—
Butterfield, Fred, & Co., Inc.
Cluett, Peabody & Co.

Colonial Chemical Co., Inc., Seattle, Wash. Brass and silver polishes. 558,635, May 13; Serial No. 576,040, published Feb. 19, 1952. Class 4.

Consolidated Rendering Company, Boston, Mass. Fertilizers. 291,700, renewed Feb. 23, 1952. O. G. May 13. Class 10.

Consumers Petroleum Company, Indianapolis, Ind. Motor oil. 558,756, May 13; Serial No. 604,467, published Jan. 15, 1952. Class 15.

Coors, H. F. Company, Inc., Inglewood, Calif. Hard glaze porcelain. 293,730, renewed May 3, 1952. O. G. May 13. Class 30.

Corn Products Refining Company, New York, N. Y. Tapioca flour. 291,750, renewed Feb. 23, 1952. O. G. May 13. Class 1.

Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal furniture and office equipment. 558,667, May 13; Serial No. 587,161, published Feb. 26, 1952. Class 32.

Countess Maryla: *See*—
De Wilkowska, Maryla.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's and boys' shoes. 558,806, May 13; Serial No. 611,771, published Jan. 15, 1952. Class 39.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Men's, women's, and boys' shoes. 558,807, May 13; Serial No. 611,772, published Jan. 15, 1952. Class 39.

Crazy Water Company, Inc., The, Mineral Wells, Tex Natural mineral water. 558,748, May 13; Serial No. 603,576, published Jan. 22, 1952. Class 45.

Croft Brewing Company, The, Wilmington, Del., and Boston, Mass. Ale. 558,691–2, May 13; Serial Nos. 594,620–1, published Jan. 1, 1952. Class 48.

Crosse & Blackwell Company, The, Baltimore, Md. Alcoholic beverages. 558,719, May 13; Serial No. 598,986, published Feb. 12, 1952. Class 49.

Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Resin impregnated paper. 558,852, May 13; Serial No. 615,630, published Feb. 12, 1952. Class 37.

Crump, B. T., Company, Inc., Richmond, Va. Hassocks. 558,722, May 13; Serial No. 599,749, published Feb. 12, 1952. Class 32.

Curlator Corporation, Rochester, N. Y. Textile machinery, and more specifically machinery for forming non-woven textile fiber webs. 558,770, May 13; Serial No. 605,700, published Jan. 22, 1952. Class 23.

Curtis Paper Company, Newark, Del. Book paper. 558,743, May 13; Serial No. 603,223, published Jan. 8, 1952. Class 37.

Dakota Steel Products Co., Sioux Falls, S. Dak. Insecticide sprayers. 558,701, May 13; Serial No. 596,780, published Jan. 22, 1952. Class 23.

Dale Retail Stores, Inc., New York, N. Y. Overnight cases, week-end cases, bottle cases, etc. 558,805, May 13; Serial No. 611,562, published Jan. 22, 1952. Class 3.

Davis, Jack, New York, N. Y. Dolls. 558,725, May 13; Serial No. 600,469, published Feb. 19, 1952. Class 22.

Davis Plywood Corporation, The, Cleveland, Ohio. Laminated and veneered plywood. 558,724, May 13; Serial No. 600,240, published Feb. 5, 1952. Class 12.

Desveaux, Gwendolyn: *See*—
Ferris, Elsie G.

De Wilkowska, Maryla, doing business as Countess Maryla, New York, N. Y. Cosmetics. 558,769, May 13; Serial No. 605,647, published Jan. 15, 1952. Class 51.

Dickinson, Albert, Company, The, to The Albert Dickinson Company, Chicago, Ill. Popping-corn and seasoning for popcorn. 291,204, renewed Feb. 2, 1952. O. G. May 13. Class 46.

Dixi-Cola Company, The, Baltimore, Md. Non-alcoholic carbonated beverage. 558,589, May 13; Serial No. 528,090, published Aug. 17, 1948. Class 45.

Domore Chair Company, Inc., Elkhart, Ind. Office, household and factory chairs. 558,849, May 13; Serial No. 615,487, published Feb. 12, 1952. Class 32.

Donbobb Corporation, New York, N. Y. Piece goods. 558,786, May 13; Serial No. 606,985, published Feb. 19, 1952. Class 42.

Dormin, Inc., New York, N. Y. Medicinal preparations. 558,820, May 13; Serial No. 612,994, published Dec. 25, 1951. Class 18.

Drexler, Chas., Co., Inc., Indianapolis, Ind. Gears, angle fixtures, metal working tools, etc. 558,586, May 13; Serial No. 480,949, published Jan. 22, 1952. Class 23.

Dritz, John, & Sons, New York, N. Y. Hand tool. 558,887, May 13; Serial No. 560,001. Class 23.

Drug Products Co., Inc., The, Long Island City, N. Y., to The Drug Products Co., Inc., East Orange, N. J. Liquid hematinic preparation. 291,393, renewed Feb. 9, 1952. O. G. May 13. Class 18.

Duke Laboratories, Inc.: *See*—
Belersdorf, P., & Co. Inc.

Dur-O-Lite Pencil Co., Melrose Park, Ill. Mechanical pencils and leads. 558,616, May 13; Serial No. 566,864, published Dec. 25, 1951. Class 37.

E-Z-On Dresses Inc., New York, N. Y. Ladies' dresses. 361,353, Oct. 11, 1938. Amended. O. G. May 13. Class 39.

Econo-Pak Register Company: *See*—
Smith, Roy R.

Educational Testing Service, Princeton, N. J. Testing services. 558,879, May 13; Serial No. 615,542, published Feb. 26, 1952. Class 100.

Ellis Brothers, Inc., Chicago, Ill. Wines. 558,695, May 13; Serial No. 595,830, published Jan. 8, 1952. Class 47.

Ely & Walker Dry Goods Company: *See*—
Kay Brothers, Inc.

Ely & Walker Dry Goods Company, St. Louis, Mo. Bias tape, hair clips, hooks and eyes, etc. 292,690, renewed Mar. 22, 1952. O. G. May 13. Class 40.

Ercona Camera Corporation, New York, N. Y. Photographic lenses. 558,835, May 13; Serial No. 613,980, published Jan. 1, 1952. Class 26.

Ero Manufacturing Company, Chicago, Ill. Multiple purpose hassock and storage chest. 558,641, May 13; Serial No. 577,780, published Feb. 26, 1952. Class 32.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 558,694, May 13; Serial No. 595,596, published Jan. 29, 1952. Class 22.

F. & M. Supplies Limited, London, England. Artificial stone, cement and plaster. 558,747, May 13; Serial No. 603,478, published Jan. 22, 1952. Class 12.

Fairsex Foundations, Inc., New York, N. Y. Girdles, foundation garments and brassières. 558,845, May 13; Serial No. 615,110, published Feb. 19, 1952. Class 39.

Farah Manufacturing Company, Inc., El Paso, Tex. Denim jeans and pants. 558,763, May 13; Serial No. 605,801, published Jan. 22, 1952. Class 39.

Farah Manufacturing Company, Inc., El Paso, Tex. Denim jeans and pants. 558,776, May 13; Serial No. 606,655, published Jan. 22, 1952. Class 39.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Textile printing colors. 558,802, May 13; Serial No. 611,347, published Feb. 26, 1952. Class 6.

Farm and Ranch, Inc., Kansas City, Mo. Power mowers. 558,597, May 13; Serial No. 547,437, published Jan. 22, 1952. Class 23.

Federal Loose Leaf Corp., New York, N. Y. Loose leaf binders. 558,752, May 13; Serial No. 603,880, published Feb. 5, 1952. Class 37.

Ferris, Elsie G., doing business as Gwendolyn Desveaux, Alpena, Mich. Perfume and cologne. 558,772, May 13; Serial No. 605,937, published Jan. 15, 1952. Class 51.

Ferris Instrument Company, Boonton, N. J. Electrical signal generators, and parts thereof. 558,626, May 13; Serial No. 571,385, published Jan. 1, 1952. Class 26.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 558,891, May 13; Serial No. 579,922. Class 1.

Ficks Reed Co., Cincinnati, Ohio. Chairs, tables and settees. 558,853, May 13; Serial No. 615,768, published Feb. 12, 1952. Class 32.

Fiedler, Irving, Hollywood, Calif. Board games. 558,685, May 13; Serial No. 594,111, published Feb. 26, 1952. Class 22.

Finkel Umbrella Frame Company, Inc., The, New York, N. Y. Garden umbrellas. 558,612, May 13; Serial No. 563,672, published Feb. 26, 1952. Class 32.

Firmenich & Co., assor. to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic perfumery compositions; natural and synthetic essential oils, etc. 558,683, May 13; Serial No. 593,664, published Jan. 8, 1952. Class 51.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Fleet-Wing Corporation, Cleveland, Ohio. Motor lubricating oil. 558,826, May 13; Serial No. 613,507, published Dec. 25, 1951. Class 15.

Fleischmann, Louis, New York, N. Y. Costume jewelry. 558,643, May 13; Serial No. 578,432, published Apr. 4, 1950. Class 28.

Fli-Pel Company: *See*—
United Enterprises, Inc.

Franklin Company, The, to Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Oilless and antifriction bearings. 84,089. re-renewed Nov. 7, 1951. O. G. May 13. Class 28.

Fraser Paper, Limited, Madawaska, Maine. Coated papers. 558,676, May 13; Serial No. 591,985, published Jan. 1, 1952. Class 37.

Fratelli Borletti Societa Per Azioni, Milan, Italy. Sewing machines. 558,765, May 13; Serial No. 605,551, published Jan. 22, 1952. Class 23.

Freeman Drug Products: *See*—
Freeman, Helen.

Freeman, Helen, doing business under the firm name and style of Freeman Drug Products, New York, N. Y. Medical preparation. 558,841, May 13; Serial No. 614,986, published Jan. 29, 1952. Class 18.

Freiburg, John, & Co., doing business under the fictitious firm name of John C. Charles Co., Los Angeles, Calif. Metal polish. 558,644, May 13; Serial No. 578,670, published Feb. 19, 1952. Class 4.

Friedberg, Leonard, New York, N. Y. Rouge, face powder, perfume, toilet water, etc. 558,658, May 13; Serial No. 583,339, published Jan. 22, 1952. Class 51.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 558,794, May 13; Serial No. 610,553, published Sept. 4, 1951. Class 42.

Fuller Lehigh Company, to The Babcock & Wilcox Company, New York, N. Y. Chilled iron castings. 290,924, renewed Jan. 19, 1952. O. G. May 13. Class 14.

Funsten Company: *See*—
Funsten, James J.

Funsten, James J., doing business as Funsten Company, San Francisco, Calif. Canned tuna, sardines, and pilchards. 558,591, May 13; Serial No. 538,391, published Oct 3, 1950. Class 46.

Gallia Laboratories, Inc., New York, N. Y. Ointment or paste. 558,828, May 13; Serial No. 613,632, published Dec. 25, 1951. Class 18.

Garrett, John E., Inc., Malden, Mass. Mechanical rug hookers, rug hooks, and rug frames. 558,680, May 13; Serial No. 593,113, published Jan. 29, 1952. Class 23.

Gaw-O'Hara Envelope Co., Chicago, Ill. Mailing, correspondence and filing envelopes, letterheads, billheads, etc. 558,594, May 13; Serial No. 545,840, published Feb. 12, 1952. Class 37.

Gaw-O'Hara Envelope Co., Chicago, Ill. Mailing, correspondence and filing envelopes, letterheads, billheads, etc. 558,595, May 13; Serial 545,841, published Jan. 29, 1952. Class 37.

Gay, Connie B., Arlington, Va. Entertainment services. 558,880, May 13; Serial No. 615,697, published Feb. 19, 1952. Class 107.

Gemsco, Inc., to Gemsco, Inc., New York, N. Y. Boot hooks and boot jacks. 290,094, renewed Dec. 22, 1951. O. G. May 13. Class 50.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Soybean oil meal for non-food industrial uses. 558,697, May 13; Serial No. 596,021, published Dec. 25, 1951. Class 1.

General Strapping Corporation, New York, N. Y. Metal flat band strapping. 558,710, May 13; Serial No. 598,011, published Feb. 19, 1952. Class 13.

Gerber, Charles A., doing business as Charles A. Gerber Company, Bartlett, Ill. Bread crumbs. 558,888, May 13; Serial No. 577,789. Class 46.

Gerber, Charles A., Company: *See*—
Gerber, Charles A.

Gerda Footwear Co., Inc., New York, N. Y. Men's, women's and children's shoes. 558,796, May 13; Serial No. 610,841, published Jan. 15, 1952. Class 39.

Gershenow, Robt. K., Co., Inc., New York, N. Y. Housedresses. 558,824, May 13; Serial No. 613,368, published Feb. 19, 1952. Class 39.

Giorgetti, L., & Co., Sanger, Calif. Fresh deciduous fruits. 235,852, Nov. 29, 1927. Republished May 13. Class 46.

Given Manufacturing Company, Los Angeles, Calif. Periodical. 517,689, Nov. 15, 1949. Corrected. O. G. May 13. Class 38.

Given Manufacturing Company, Los Angeles, Calif. Electric waste disposal units. 521,488, Feb. 28, 1950. Corrected. O. G. May 13. Class 21.

Given Manufacturing Company, Los Angeles, Calif. Electric waste disposal units. 521,837, Mar. 7, 1950. Corrected. O. G. May 13. Class 21.

Given Manufacturing Company, Los Angeles, Calif. Wheeled vehicle. 524,661, May 2, 1950. Corrected. O. G. May 13. Class 19.

Glenn, J. W., & Sons, New York, N. Y. Piece goods. 558,790, May 13; Serial No. 609,847, published Feb. 12, 1952. Class 42.

Golden Glint Company, Seattle, Wash. Shampoo. 558,693, May 13; Serial No. 594,712, published Feb. 19, 1952. Class 52.

Gordon Sanitary Systems Corporation, Chicago, Ill. Sewage disposal systems and parts thereof. 558,632, May 13; Serial No. 575,209, published Feb. 5, 1952. Class 13.

Grainick Bros., Inc., Philadelphia, Pa. Hand bags, suit cases, overnight bags, etc. 558,744, May 13; Serial No. 603,229, published Jan. 22, 1952. Class 3.

Graw, Harry J., Chicago, Ill. Camera lenses. 558,870, May 13; Serial No. 619,158, published Jan. 8, 1952. Class 26.

Gray Company, Inc., Minneapolis, Minn. Portable air-powered pumps. 558,656, May 13; Serial No. 583,197, published Feb. 5, 1952. Class 23.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Candy. 558,833, May 13; Serial No. 613,873, published Feb. 12, 1952. Class 46.

Great Lakes Pharmacal Corporation, Cleveland, Ohio. Nutritional supplements. 558,822, May 13; Serial No. 613,067, published Dec. 25, 1951. Class 18.

Grolier Society, Inc., The, New York, N. Y. Reading information service. 558,874, May 13; Serial No. 582,619, published Feb. 12, 1952. Class 101.

Gulf Brewing Company, Houston, Tex. Lager beer. 558,661, May 13; Serial No. 585,325, published Jan. 1, 1952. Class 48.

Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper. 558,746, May 13; Serial No. 603,235, published Jan. 1, 1952. Class 37.

Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butchers' paper. 558,745, May 13; Serial No. 603,232, published Dec. 25, 1951. Class 37.

Haaker, Harlan W., doing business as Harlan Sales, Detroit, Mich. Washing compound. 558,890, May 13; Serial No. 579,820. Class 52.

Hadley, Charles R., Company, Los Angeles, Calif. Partially printed forms. 558,733, May 13; Serial No. 601,724, published Feb. 5, 1952. Class 37.

Hall Laboratories, Incorporated, Pittsburgh, Pa. Chemical engineering services. 558,876, May 13; Serial No. 588,028, published Feb. 19, 1952. Class 100.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Pencils. 558,728, May 13; Serial No. 601,104, published Jan. 15, 1952. Class 37.

Harlan Sales: *See*—
Haaker, Harlan W.

Hart, Lemon, & Son Limited, London, England. Rum. 558,671, May 13; Serial No. 589,445, published Feb. 12, 1952. Class 49.

Head's of F Street, Washington, D. C. Hair cutting, hair dressing, scalp treatment, etc. 558,881, May 13; Serial No. 618,395, published Feb. 19, 1952. Class 100.

Heath, L. S., & Sons, Inc., Robinson, Ill. Orangeade and lemonade. 558,735, May 13; Serial No. 601,903, published Feb. 12, 1952. Class 45.

Henderson Bros. & Company Limited, London, England. Hair brushes, shaving brushes, nail brushes, etc. 558,682, May 13; Serial No. 593,594, published Jan. 1, 1952. Class 29.

Henry, Lyell D., Ames, Iowa. Rocking horses. 558,666, May 13; Serial No. 586,751, published Feb. 19, 1952. Class 22.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Suspenders and garters. 558,663, May 13; Serial No. 585,930, published Jan. 22, 1952. Class 39.

Hi-Q-Lo-P Oil Company: *See*—
Smith, Addie M.

Hohner, M., to M. Hohner, Inc., New York, N. Y. Harmonicas. 87,451, re-renewed July 16, 1952. O. G. May 13. Class 36.

Hohner, M., Inc.: *See*—
Hohner, M.

Hollister Canning Company, Hollister, Calif. Canned tomatoes, canned tomato puree, and canned fruits. 558,864, May 13; Serial No. 616,820, published Feb. 19, 1952. Class 46.

Holzapfels Limited, Newcastle-upon-Tyne, England, to International Paint Company, Inc., New York, N. Y. Anticorrosive and anti-fouling paint, mixed paint, etc. 85,442, re-renewed Feb. 20, 1952. O. G. May 13. Class 16.

Holzapfels Limited, Newcastle-upon-Tyne, England, to International Paint Company, Inc., New York, N. Y. Anticorrosive and antifouling paint, mixed paint, and enamel paints. 86,408, re-renewed May 7, 1952. O. G. May 13. Class 16.

House of Old Molineaux, Inc., Boston, Mass. Wines. 558,706, May 13; Serial No. 597,148, published Jan. 8, 1952. Class 47.

Inland Empire Paper Company, Millwood, Wash. Mimeograph paper and bristol paper. 558,721, May 13; Serial No. 599,244, published Jan. 8, 1952. Class 37.

Innis, Speiden & Co.: *See*—
International Minerals & Chemical Corporation.

Insto-Gas Corporation, Detroit, Mich. Liquefied gas. 558,831, May 13; Serial No. 613,848, published Feb. 12, 1952. Class 6.

Intercollegiate Broadcasting System, Inc., Schenectady, N. Y., and Washington, D. C. Radio program broadcasting services. 558,882, May 13; Serial No. 622,050, published Feb. 19, 1952. Class 104.

International Harvester Company, Chicago, Ill. Refrigeration packaging products. 558,734, May 13; Serial No. 601,795, published Jan. 1, 1952. Class 37.

International Latex Corporation, Dover, Del. Baby oil, baby cream, and baby powder. 558,606, May 13; Serial No. 558,031, published Jan. 22, 1952. Class 51.

International Milling Company: *See*—
Western Flour Mill Company.

International Minerals & Chemical Corporation, New York, N. Y., assignee of Innis, Speiden & Co. Tannic acid, insecticidal aerosols, bleaching powder, etc. 558,726–7, May 13; Serial Nos. 600,834–5, published Feb. 5, 1952. Class 6.

International Paint Company, Inc.: *See*—
Holzapfels Limited.

Iso-Sol Company, Inc., The, Brooklyn, N. Y. Ophthalmic solution. 558,819, May 13; Serial No. 612,916, published Dec. 25, 1951. Class 18.

Jaburg Brothers, Inc., to R. C. Williams & Company, Inc., New York, N. Y. Sodas—namely, sal soda and bicarbonate of soda, etc. 290,832, renewed Jan. 19, 1952. O. G. May 13. Class 46.

Jackie Nimble, Inc., Dallas, Tex. Women's skirts and blouses. 558,714, May 13; Serial No. 598,367, published Feb. 19, 1952. Class 39.

Jacobs, John, Co., Canon City, Colo., to J. M. Jacobs, Phoenix, Ariz. Fresh deciduous fruits and vegetables. 291,712, renewed Feb. 23, 1952. O. G. May 13. Class 46.

Jacobs, John M.: *See*—
Jacobs, John, Co.

Jones, Harold G., New York, N. Y. Window cornices and window valances. 558,750, May 13; Serial No. 603,686, published Feb. 19, 1952. Class 32.

Juillerat Freres S. A., Berne, Switzerland. Watches and watch movements. 558,655, May 13; Serial No. 583,097, published Dec. 25, 1951. Class 27.

Kabo, Inc., Chicago, Ill. Brassières. 558,858, May 13; Serial No. 616,321, published Feb. 19, 1952. Class 39.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Wrapping paper. 558,609, May 13; Serial No. 562,196, published Feb. 12, 1952. Class 37.

Kalex Corporation, New York, N. Y. Clocks. 558,712, May 13; Serial No. 598,259, published June 12, 1951. Class 27.

Kay Brothers, Inc., to Ely & Walker Dry Goods Company, St. Louis, Mo. Outer wearing apparel for women and girls. 294,057, renewed May 17, 1952. O. G. May 13. Class 39.

Kennedy Brothers Arms Co., Inc., St. Paul, Minn. Baseballs, baseball bats, and baseball gloves. 558,699, May 13; Serial No. 596,669, published Feb. 12, 1952. Class 22.

Kerns, L. R., Company, Chicago, Ill. Metal coating and drawing composition for lubricating metal during drawing and working. 558,900, May 13; Serial No. 598,911. Class 15.

Kina Rok, Charenton (Seine), France. Aperitive wine with quinquina. 558,611, May 13; Serial No. 563,069, published Feb. 12, 1952. Class 47.

King Kone Corporation, New York, N. Y. Caramel flavored popcorn. 558,886, May 13; Serial No. 552,990. Class 46.

Kilk Promotions, Inc., New York, N. Y. Picture frames. 558,830, May 13; Serial No. 613,775, published Feb. 26, 1952. Class 32.

Klug, Clarence, Los Angeles, Calif. Thread and continuous filament and staple fiber yarns. 558,862, May 13; Serial No. 616,604, published Feb. 19, 1952. Class 43.

Krambo Food Stores, Incorporated, Appleton, Wis. Pretsels; dried currants, raisins, etc. 417,607, Nov. 6, 1945. Republished May 13. Class 46.

Laboratory Furniture Company, Inc., Long Island City, N. Y. Sinks; drainboards, trays of sheet metal; soap dishes, etc. 558,608, May 13; Serial No. 562,071, published Feb. 12, 1952. Class 13.

Lactona Incorporated, St. Paul, Minn. Toothbrushes. 558,659, May 13; Serial No. 584,408, published Jan. 8, 1952. Class 29.

Lambert Company, The: *See*—
Moore, John Hudson, Inc.

Lants, Walter, Productions, Inc., Hollywood, Calif. Series of motion picture photoplays. 558,834, May 13; Serial No. 613,922, published Jan. 1, 1952. Class 26.

Laser Laboratories: *See*—
Laser, Thomas S.

Laser, Thomas S., doing business as Laser Laboratories, Minneapolis, Minn. Liquid preparation for restoring gray or faded hair to its natural color. 558,771, May 13; Serial No. 605,861, published Jan. 15, 1952. Class 51.

Lawr-Rae Hosiery Mills, Reading, Pa. Hosiery. 558,850, May 13; Serial No. 615,606, published Feb. 19, 1952. Class 39.

Ledeen, Hyman, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Hydraulic and pneumatic valves. 558,867, May 13; Serial No. 618,236, published Feb. 19, 1952. Class 13.

Ledeen Manufacturing Co.: *See*—
Ledeen, Hyman.

Lees, James, and Sons Company, Bridgeport, Pa. Yarn. 558,813, May 13; Serial No. 612,171, published Feb. 19, 1952. Class 43.

Lehn & Fink Products Corporation, Bloomfield, N. J. Perfumes, eau de cologne, toilet water, etc. 558,779, May 13; Serial No. 607,256, published Jan. 15, 1952. Class 51.

Liberty Hosiery Mills, Inc., Liberty, N. C. Women's and girls' hosiery and women's underwear. 558,821, May 13; Serial No. 613,011, published Feb. 19, 1952. Class 39.

Lincoln Paper Company, Chicago, Ill. Paper and cards. 558,715, May 13; Serial No. 598,590, published Feb. 12, 1952. Class 37.

Livoti, Charles, deceased; E. Livoti, executrix, doing business as Chas. Livoti Co., Roseville, Calif. Olive oils. 289,789, renewed Dec. 8, 1951. O. G. May 13. Class 46.

Livoti, Chas., Co.: *See*—
Livoti, Charles.

Livoti, Elvira, executrix: *See*—
Livoti, Charles.

Loroco Industries, Inc., Reading, Ohio. Combination shirt wrapper and collar support fabricated from paper. 558,708, May 13; Serial No. 597,369, published Jan. 22, 1952. Class 37.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 427,256, Feb. 4, 1947. Republished May 13. Class 26.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 427,824, Feb. 25, 1947. Republished May 13. Class 26.

Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 428,428, Mar. 25, 1947. Republished May 13. Class 26.

Lundqvist, Oskar H., Stockholm, Sweden. Cabinets, chests of drawers, storage lockers, etc. 558,662, May 13; Serial No. 585,454, published Feb. 26, 1952. Class 32.

M & W Manufacturing Company, Chicago, Ill. Pomade for hair. 558,909, May 13; Serial No. 613,931. Class 51.

Mallinson, H. R., & Co., Inc., to National Mallinson Fabrics Corporation, New York, N. Y. Silk piece goods. 296,309, Aug. 2, 1932. New certificate. O. G. May 13. Class 42.

Maltine Company, The, Morris Plains, N. J., now by change of name Chilcott Laboratories, Inc. Medicinal preparation. 558,709, May 13; Serial No. 597,689, published Dec. 25, 1951. Class 18.

"Manta" Societe Anonyme, Waasmunster, Belgium. Woolen fabrics and woolen blankets. 558,788, May 13; Serial No. 609,448, published Feb. 19, 1952. Class 42.

Manufacture de Caoutchouc Michelin, Clermont-Ferrand (Puy-de-Dome), France. Pneumatic tires and inner tubes. 558,774, May 13; Serial No. 606,620, published Feb. 19, 1952. Class 35.

Marine Products Company, San Diego, Calif. Canned tuna and frozen fish fillets and frozen fresh shrimp. 558,851, May 13; Serial No. 615,608, published Feb. 12, 1952. Class 46.

Maryland Import Company, Chicago, Ill. Whisky. 558,808, May 13; Serial No. 611,798, published Jan. 8, 1952. Class 49.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 558,698, May 13; Serial No. 596,596, published Dec. 25, 1951. Class 18.

Mathieson Chemical Corporation, Baltimore, Md. Insecticides. 558,843, May 13; Serial No. 615,072, published Feb. 12, 1952. Class 6.

Mechanical Marine Co., Inc., New York, N. Y. Angle suction valves, suction bell mouths and suction strainers. 558,792, May 13; Serial No. 610,086, published Feb. 5, 1952. Class 13.

Mecklenburg Specialties, Inc., Charlotte, N. C. Toys for forming bubbles. 558,902, May 13; Serial No. 603,586. Class 22.

Media Records, Inc., New York, N. Y. Printed records, bulletins, and reports. 286,995, renewed Sept. 8, 1951. O. G. May 13. Class 38.

Mente & Co., Inc., New Orleans, La. Laminated moisture-proof bags. 558,892, May 13; Serial No. 583,272. Class 2.

Mesberg, B. G.: *See*—
Mesberg, Bernard G.

Mesberg, Bernard G., doing business under the firm name and style of B. G. Mesberg, New York, N. Y. Bedroom, living room, dining room and kitchen furniture. 558,684, May 13; Serial No. 593,736, published Feb. 26, 1952. Class 32.

Miller, Andrew J., Granville, Iowa. Powder for treating coccidiosis in chickens. 291,932, renewed Feb. 23, 1952. O. G. May 13. Class 18.

Mineral Wool Insulations Company, Fontana, Calif. Fireproof heat insulating material. 558,899, May 13; Serial No. 597,535. Class 12.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Plastic sheet material. 558,787, May 13; Serial No. 609,184, published Jan. 1, 1952. Class 1.

Model Industry Association, Chicago, Ill. Conducting and promoting activities in the hobby-model industry. 558,875, May 13; Serial No. 586,931, published Feb. 12, 1952. Class 101.

Monjar, Alice, doing business as Monjar Bridal Salon, Springfield, Ohio. Pantie girdle with garters. 558,837, May 13; Serial No. 614,453, published Feb. 19, 1952. Class 39.

Monjar Bridal Salon: *See*—
Monjar, Alice.

Montgomery, Dallas D., Scottsburg, Ind. Garden and field seeds. 558,901, May 13; Serial No. 602,275. Class 1.

Moody Machine Products Co., Inc., Providence, R. I. Precision screw driver sets and precision drill and screw driver sets. 558,894, May 13; Serial No. 594,138. Class 23.

Moore Business Forms, Inc., Niagara Falls and Elmira, N. Y., and Emeryville and Los Angeles, Calif. Record forms and manifolding assemblies of record forms. 558,755, May 13; Serial No. 604,213, published Jan. 1, 1952. Class 37.

Moore, John Hudson, Inc., New York, N. Y., now by merger The Lambert Company. Smokers' pipes. 558,856, May 13; Serial No. 616,181, published Feb. 12, 1952. Class 8.

Morgan, J. E., Manufacturing Company, Tamaqua, Pa. Cotton underwear. 558,778, May 13; Serial No. 606,879, published Feb. 19, 1952. Class 39.

Morton Manufacturing Corporation, doing business under the name and style of Chap Stick Co., Lynchburg, Va. Liquid shaving cream. 558,872, May 13; Serial No. 622,370, published Feb. 12, 1952. Class 51.

Mud Products, Inc., Tulsa, Okla. Butterfly flapper valves. 558,636, May 13; Serial No. 576,548, published Feb. 12, 1952. Class 13.

Murray Hill Restaurant, Inc., New York, N. Y. Unflavored carbonated water and flavored carbonated water. 558,798, May 13; Serial No. 611,190, published Jan. 1, 1952. Class 45.

National Brush Company, Aurora, Ill. Brushes. 558,700, May 13; Serial No. 596,746, published Jan. 1, 1952. Class 29.

National Mallinson Fabrics Corporation: *See*—
Mallinson, H. R., & Co., Inc.

National Paper Corporation of Pennsylvania, Ransom, Pa. Toilet tissue. 558,630, May 13; Serial No. 575,079, published Jan. 1, 1952. Class 37.

National Paper Corporation of Pennsylvania, Ransom, Pa., and New York, N. Y. Toilet tissue, paper towels, paper napkins, etc. 558,631, May 13; Serial No. 575,080, published Jan. 1, 1951. Class 37.

National Pectin Products Company, Chicago, Ill. Emulsifiers for use in the manufacture of frozen confections. 423,975, Sept. 17, 1946. Republished May 13. Class 46.

National Plastic Products Company, The, Odenton, Md. Thermoplastic injection molded chair leg tips. 558,859, May 13; Serial No. 616,332, published Feb. 26, 1952. Class 32.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Grape juice, and non-alcoholic, non-cereal, maltless beverages. 558,657, May 13; Serial No. 583,277, published Jan. 8, 1952. Class 45.

Neely, Clarence L., doing business as Neely Manufacturing Company, Corydon, Iowa. Flexible synthetic sheet garment storage bag. 558,903, May 13; Serial No. 605,113. Class 2.

Neely Manufacturing Company: *See*—
Neely, Clarence L.

Nellson, William, Limited, Toronto, Ontario, Canada. Chocolate candy bars. 558,896, May 13; Serial No. 594,652. Class 46.

Nethercutt, Jack B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Lip rouge. 558,775, May 13; Serial No. 606,625, published Jan. 1, 1952. Class 51.

Nethercutt Laboratories: *See*—
Nethercutt, Jack B.

New England Distillers, Incorporated, Clinton, Mass. Gin. 558,610, May 13; Serial No. 562,791, published Jan. 8, 1952. Class 49.

Nichols Wire & Aluminum Co., Davenport, Iowa. Furnace fittings. 558,857, May 13; Serial No. 616,185, published Jan. 22, 1952. Class 34.

Nitragin Company, Inc., The, Milwaukee, Wis. Seed and soil inoculant. 288,914, Nov. 10, 1931. Corrected. O. G. May 13. Class 10.

Oddy, Wm., & Company, Limited, Shipley, England. Woven piece goods. 558,791, May 13; Serial No. 609,943, published Feb. 12, 1952. Class 42.

On Your Toes, Inc., New York, N. Y., assignor to Randolph-Tenney, Inc., Chicago, Ill. Foot lotion. 558,730, May 13; Serial No. 601,556, published Jan. 15, 1952. Class 51.

Orange Food Products, Inc., Dorchester, Mass. Orange-flavored syrups and bases. 558,614, May 13; Serial No. 565,647, published Jan. 15, 1952. Class 45.

Orange Smile Sirup Company, St. Louis, Mo. Nonalcoholic maltless beverages. 558,740, May 13; Serial No. 602,852, published July 10, 1951. Class 45.

Owenby Manufacturing Company, The, Marietta, Ga. Boy's underwear. 558,677, May 13; Serial No. 592,219, published Feb. 19, 1952. Class 39.

Pacific Compound and Manufacturing Company, Seattle, Wash., assignor to Thomson Chemical Company, Lima, Ohio. Laundry detergents. 558,688, May 13; Serial No. 594,330, published Mar. 27, 1951. Class 52.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Heavy-bodied lubricating grease. 558,703, May 13; Serial No. 596,937, published Jan. 15, 1952. Class 15.

Pantone Press, Inc., New York, N. Y. Compilation of colored sheets or tabs. 558,836, May 13; Serial No. 614,409, published Feb. 12, 1952. Class 38.

Parfums Marcel Rochas, Inc., assignee: *See*—
Societe Anonyme Parfums Marcel Rochas.

Penick, S. B., & Company, New York, N. Y. Chemicals, medicines, and pharmaceutical preparations. 558,613, May 13; Serial No. 565,446, published Feb. 12, 1952. Class 18.

Peoples First National Bank and Trust Company, assignee: *See*—
Shenango Pottery Company.

Pepperell Manufacturing Company, Boston, Mass. Blankets. 558,818, May 13; Serial No. 612,702, published Feb. 19, 1952. Class 42.

Perfection Company, Ltd., The, Waco, Tex. Maltless soft drinks. 558,605, May 13; Serial No. 555,444, published Feb. 12, 1952. Class 45.

Perkel Food Products Co., Portland, Oreg. Non-alcoholic maltless fruit punches and fruit flavored soft drinks. 558,648, May 13; Serial No. 581,439, published Jan. 1, 1952. Class 45.

Perry, Claude R., doing business as The Perry Company, Waco, Tex. Stalk cutters. 558,668, May 13; Serial No. 587,444, published Sept. 12, 1950. Class 23.

Perry Company, The: *See*—
Perry, Claude R.

Pfeiffer, S., Manufacturing Co., St. Louis, Mo. Anthelmintic remedy. 558,799, May 13; Serial No. 611,194, published Nov. 6, 1951. Class 18.

Philippine Embroidery Corp., New York, N. Y. Infant dresses, dress sets, christening sets, infants' gowns, etc. 558,846, May 13; Serial No. 615,134, published Feb. 19, 1952. Class 39.

Physicians and Hospitals Supply Company, Inc., Minneapolis, Minn. Medical preparation. 558,811, May 13; Serial No. 611,964, published Jan. 15, 1952. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medicinal preparation. 558,812, May 13; Serial No. 611,969, published Jan. 15, 1952. Class 18.

Piel Bros., East New York and Brooklyn, N. Y. Beer. 558,603–4, May 13; Serial Nos. 555,298–9, published Feb. 12, 1952. Class 48.

Pittsburgh Tool Steel Wire Company, Monaca, Pa. Drill rods and cold drawn steel. 292,835, Mar. 29, 1932. Republished May 13. Class 14.

Plant Protection Limited, Yalding, England. Compound composition for seed disinfectant. 558,689, May 13; Serial No. 594,581, published Apr. 24, 1951. Class 6.

Polyphase Chemical Service, Inc., New York, N. Y. Chemicals and chemical compounds for use in removing soot, fire scale, slag, and sludge. 558,825, May 13; Serial No. 613,422, published Jan. 22, 1952. Class 52.

Progress Lithographing Co., The, Reading, Ohio. Writing paper and correspondence envelopes. 558,753, May 13; Serial No. 603,941, published Feb. 5, 1952. Class 37.

Pulva Corporation, Perth Amboy, N. J. Hammermills, disintegrating machines, granulating machines, etc. 558,686, May 13; Serial No. 594,233, published Jan. 29, 1952. Class 23.

Pure Oil Company, The, Chicago, Ill. Battery cable display racks. 558,620, May 13; Serial No. 568,660, published Feb. 26, 1952. Class 32.

Pyrok Limited, London, England. Machines for pumping, spraying, smoothing, and tamping cementitious materials. 558,839, May 13; Serial No. 614,786, published Jan. 29, 1952. Class 23.

Pyrometer Service Company, North Arlington, N. J. Pyrometers and electrical controls for pyrometers responsive to fluctuations in temperature. 558,795, May 13; Serial No. 610,760, published Jan. 8, 1952. Class 26.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 292,706, renewed Mar. 22, 1952. O. G. May 13. Class 46.

Quinn, Edward M., doing business under the name and style of T & M Laboratories, San Francisco, Calif. Ointment. 558,711, May 13; Serial No. 598,037, published Dec. 25, 1951. Class 18.

Radiobio, Incorporated, Columbus, Ohio. Radio and television program broadcasting service. 558,878, May 13; Serial No. 610,027, published Feb. 19, 1952. Class 104.

Rand Rubber Company, Inc.: *See*—
Bunny Bear Inc.

Randolph-Tenney, Inc., assignee: *See*—
On Your Toes, Inc.

Raytheon Manufacturing Company: *See*—
Square D Company.

Raytheon Manufacturing Company, Newton, Mass. Apparatus for measuring distances. 558,696, May 13; Serial No. 595,983, published Jan. 1, 1952. Class 26.

Red Top Brewing Company, Cincinnati, Ohio. Ale. 558,768, May 13; Serial No. 605,609, published Jan. 15, 1952. Class 48.

Reed, Claude A., assignor to Whirla-Whip, Inc., Omaha, Nebr. Combination machines for freezing and dispensing frozen confections. 558,646, May 13; Serial No. 580,428, published Dec. 4, 1951. Class 31.

Reilly, Olcott & Company, Oneida, N. Y. Medicated wadding. 558,681, May 13; Serial No. 593,140, published Dec. 18, 1951. Class 18.

Reliance Manufacturing Company, Chicago, Ill. Men's sport shirts. 558,624, May 13; Serial No. 570,320, published June 26, 1951. Class 39.

Revelation Supplies Limited, Chiswick, London, England. Suitcases, weekend cases, wardrobe trunks, etc. 558,761, May 13; Serial No. 605,060, published Jan. 22, 1952. Class 3.

Rexall Drug Company: *See*—
United Drug Company.

Richardson, James J., doing business as Richardson Products Co., Toledo, Ohio. Non-alcoholic, maltless beverages. 558,741, May 13; Serial No. 602,973, published Jan. 1, 1952. Class 45.

Richardson Products Co.: *See*—
Richardson, James J.

Riegel Paper Corporation, New York, N. Y. Waxed papers, plain glassine paper, waxed glassine paper, etc. 290,806. Jan. 19, 1932. Republished May 13. Class 37.

Rife-Loth Corporation, Waynesboro, Va. Cast metal ash trays and cigarette servers. 558,664, May 13; Serial No. 586,013, published Jan. 29, 1952. Class 8.

Robertson Bros. & Co. Limited, London, England. Port wine. 558,640, May 13; Serial No. 577,070, published Feb. 12, 1952. Class 47.

Robertson, H. H., Company, Pittsburgh, Pa. Synthetic resins in powdered and paste form. 558,738, May 13; Serial No. 602,631, published Jan. 8, 1952. Class 1.

Rochelle Asparagus Company, Rochelle, Ill. Canned asparagus. 558,885, May 13; Serial No. 549,279. Class 46.

Rochester Accoustical Laboratories: *See*—
Ryan, S. C.

Romair, Inc., Lancaster, Pa. Poultry house heating and ventilating equipment. 558,647, May 13; Serial No. 580,903, published Jan. 22, 1952. Class 34.

Roman Cotton Goods Corp., New York, N. Y. Sheets and pillow cases. 558,793, May 13; Serial No. 610,098, published Feb. 12, 1952. Class 42.

Royce Chemical Company, Carlton Hill, N. J. Sulphonated olive oil. 292,820, renewed Mar. 29, 1952. O. G. May 13. Class 6.

Royce Shoe Corporation, Boston, Mass. Women's shoes. 558,809, May 13; Serial No. 611,857, published Jan. 8, 1952. Class 39.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Roofing and building paper. 558,762, May 13; Serial No. 605,174, published Jan. 22, 1952. Class 12.

Ryan, S. C., doing business as Rochester Accoustical Laboratories, St. Paul, Minn. Electrical bearing aids. 558,904, May 13; Serial No. 605,117. Class 44.

Sahlein, J. M., Music Company: *See*—
Sahlein, Jules M.

Sahlein, Jules M., doing business as J. M. Sahlein Music Company, San Francisco, Calif. Accordions, stringed and fretted instruments, etc. 555,575, Mar. 4, 1952. Corrected. O. G. May 13. Class 36.

Salant & Salant to Salant & Salant, Inc., New York, N. Y. Men's and boys' work-shirts. 87,487, re-renewed July 16, 1952. O. G. May 13. Class 39.

Salant & Salant, Inc.: *See*—
Salant & Salant.

Schenley Distillers Corporation, doing business as Weston Winery, New York, N. Y., and Fresno, Calif.; said Schenley Distillers Corporation now by change of name Schenley Industries, Inc. Wines. 558,651–2, May 13; Serial Nos. 582,187–8, published Jan. 1, 1952. Class 47.

Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.

Schenley Laboratories, Inc., New York, N. Y. Penicillin products. 558,742, May 13; Serial No. 602,977, published Jan. 18, 1952. Class 18.

Schramm, Inc., West Chester, Pa. Tractors. 558,702, May 13; Serial No. 596,868, published Jan. 29, 1952. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Roll roofing, roofing, shingles, etc. 552,641, Jan. 1, 1952. Corrected. O. G. May 13. Class 12.

Sears, Roebuck and Co., Chicago, Ill. Desk pads and blotters, photograph folders, writing paper, etc. 558,625, May 13; Serial No. 570,521, published Feb. 12, 1952. Class 37.

Seven Springs Tree Farm Co., Downingtown, Pa. Pure spring water. 558,842, May 13; Serial No. 615,031, published Feb. 12, 1952. Class 45.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Flush valve bulbs. 558,587, May 13; Serial No. 505,247, published Feb. 19, 1952. Class 13.

Seydel-Woolley & Company, Atlanta, Ga. Cutting oils. 558,736, May 13; Serial No. 602,220, published July 17, 1951. Class 15.

Shawinigan Products Corporation, New York, N. Y. Synthetic resinous material. 290,741, renewed Jan. 12, 1952. O. G. May 13. Class 6.

Sheldon, Albert K., Co., Cambridge, Mass. Ready mixed paints, paint enamels, paint colors in oil, etc. 291,113, renewed Jan. 26, 1952. O. G. May 13. Class 16.

Shell Chemical Corporation, New York, N. Y. Herbicide. 558,760, May 13; Serial No. 604,935, published July 10, 1951. Class 6.

Shenango Pottery Company, New Castle, assignor to Peoples First National Bank and Trust Company, Pittsburgh, Pa. Vitrified dishware. 558,731, May 13; Serial No. 601,575, published Nov. 6, 1951. Class 30.

Sherman, Robert Miles, Yonkers, N. Y. Medical preparation. 558,906, May 13; Serial No. 608,626. Class 18.

Shriro Trading Corporation, New York, N. Y. Ladies' hosiery. 558,848, May 13; Serial No. 615,354, published Feb. 19, 1952. Class 39.

Siris, A. J., Products Corp., New York, N. Y. Face powder, lipstick, lip pencil, etc. 558,800, May 13; Serial No. 611,245, published Jan. 15, 1952. Class 51.

Smith, Addie M., doing business as Hi-Q-Lo-P Oil Company, Bedford, Ind. Gasoline, lubricating oils, and greases. 558,814, May 13; Serial No. 612,221, published Jan. 8, 1952. Class 15.

Smith, Chester W., doing business under the name of Whitfield Chemical Company, Detroit, Mich. Cleaning solution. 558,729, May 13; Serial No. 601,473, published Jan. 15, 1952. Class 52.

Smith, Roy R., doing business as Econo-Pak Register Company, Kansas City, Mo. Partially printed record forms. 558,593, May 13; Serial No. 540,475, published Jan. 15, 1952. Class 37.

Snyder Oil Tool Corporation, Los Angeles, Calif. Hydraulic surge control apparatus, pilot line control apparatus. 558,621, May 13; Serial No. 568,677, published Feb. 19, 1952. Class 13.

Societe Anonyme Parfums Marcel Rochas, Paris, France, assignor, by mesne assignments, to Parfums Marcel Rochas, Inc., New York, N. Y. Perfumes, toilet waters. 558,889, May 13; Serial No. 579,143. Class 51.

Softskin Toys, Inc., New York, N. Y. Stuffed toys. 558,777, May 13; Serial No. 606,684, published Feb. 12, 1952. Class 22.

Sonneborn, L., Sons, Inc., New York, N. Y. Disinfectant. 86,248, Apr. 23, 1912. Republished May 13. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. Soluble oil. 558,847, May 13; Serial No. 615,293, published Feb. 19, 1952. Class 6.

Southeastern Textile Company, Inc., Griffin, Ga. Bed sheets and sheeting. 558,759, May 13; Serial No. 604,812, published Feb. 19, 1952. Class 42.

Southern California Fish Corporation, Terminal Island, Calif. Canned sardines. 558,827, May 13; Serial No. 613,612, published Feb. 12, 1952. Class 46.

Sovereign Importers, Ltd., New York, N. Y. Brandy. 558,789, May 13; Serial No. 609,498, published Jan. 8, 1952. Class 49.

Spalding, A. G., & Bros, Inc., Chicopee, Mass. Skis. 558,773, May 13; Serial No. 606,497, published Feb. 12, 1952. Class 22.

Spirella Company Incorporated, The, Niagara Falls, N. Y. Lingerie. 292,657, renewed Mar. 22, 1952. O. G. May 13. Class 39.

Sporting Enterprises, Boston, Mass. Boxing helmets. 558,781, May 13; Serial No. 608,256, published Jan. 29, 1952. Class 22.

Square D Company, Detroit, Mich., to Raytheon Manufacturing Company, Newton, Mass. Electrical rectifying and filtering devices and condensive elements. 295,888, renewed July 19, 1952. O. G. May 13. Class 21.

Squibb, E. R., & Sons, New York, N. Y. Antibiotic-containing antibacterial preparation. 558,801, May 13; Serial No. 611,248, published Jan. 8, 1952. Class 18.

Squibb, E. R., & Sons, New York, N. Y. Estrogenic-hormone preparation. 558,803, May 13; Serial No. 611,381, published Jan. 8, 1952. Class 18.

Standard Register Company, The, Dayton, Ohio. Manifolding assemblies. 288,024, Oct. 20, 1931. Republished May 13. Class 37.

Stanley Home Products, Inc., Westfield, Mass. Clothes brushes. 558,704, May 13; Serial No. 597,021, published Feb. 12, 1952. Class 29.

Stanley Works, The: *See*—
Acme M'f'g Co., The.

Stanley Works, The, New Britain, Conn. Planes, hand drills, screw drivers, etc. 292,198, renewed Mar. 1, 1952. O. G. May 13. Class 23.

Starck, William J., doing business as Blemarx Laboratories, South Bend, Ind. Powder for treating athlete's foot, etc. 558,687, May 13; Serial No. 594,295, published Dec. 25, 1951. Class 18.

Steere Enterprises: *See*—
Steere, John E.

Steere, John E., doing business as Steere Enterprises, Hollywood, Calif. Coin cases, card cases, key cases, etc. 558,642, May 13; Serial No. 578,057, published Jan. 22, 1952. Class 3.

Stoddard, G. S., & Co., Inc., New York, N. Y. Medicinal tablets. 558,766, May 13; Serial No. 605,562, published Dec. 18, 1951. Class 18.

Stuart, Inc., St. Paul, Minn. Cologne. 558,720, May 13; Serial No. 599,129, published Feb. 19, 1952. Class 51.

Sun Rubber Company, The, Barberton, Ohio. Athletic balls or carcasses therefor. 558,707, May 13; Serial No. 597,238, published Feb. 5, 1952. Class 22.

Sunstripe Corporation, Rochester, N. Y. Volumetric glassware for laboratory use. 558,868, May 13; Serial No. 618,766, published Jan. 8, 1952. Class 26.

Swisstex Company, West New York, N. J. Foundation garments. 558,854, May 13; Serial No. 615,949, published Feb. 19, 1952. Class 39.

Sylcon Corporation: *See*—
Sylcon Management Association.

Sylcon Management Association, Chicago, Ill., assignee of Sylcon Corporation. Mattresses and box springs. 558,884, May 13; Serial No. 533,948, published Feb. 26, 1952. Class 32.

T & M Laboratories: *See*—
Quinn, Edward M.

Terrytoons, Inc., New Rochelle, N. Y. Series of motion picture animated cartoons. 558,829, May 13; Serial No. 613,747, published Jan. 1, 1952. Class 26.

Thomson Chemical Company, assignee: *See*—
Pacific Compound and Manufacturing Company.

Thomson Chemical Company: *See*—
Thomson, R. W.

Thomson, R. W., doing business as Thomson Chemical Company, assignor to Thomson Chemical Company, Lima, Ohio. Detergent laundry compound. 558,669, May 13; Serial No. 589,177, published Dec. 26, 1950. Class 52.

Thorens Company, New Hyde Park, N. Y. Pyrophoric cigar lighters. 558,622, May 13; Serial No. 570,134, published Feb. 5, 1952. Class 8.

Thornton & Chester Milling Company, Buffalo, N. Y. Flour. 86,479-81, re-renewed May 7, 1952. O. G. May 13. Class 46.

Thornton & Chester Milling Company, Buffalo, N. Y. Wheat-flour. 86,638, re-renewed May 21, 1952. O. G. May 13. Class 46.

Tiffany Asphalt and Grease Works: *See*—
American Lubricants Company, The.

Treasure Masters Corporation, Minneapolis, Minn. Perfumed sachets. 558,783, May 13; Serial No. 608,523, published Jan. 15, 1952. Class 51.

Trimfoot Company, Farmington, Mo. Women's and children's shoes. 558,785, May 13; Serial No. 608,685, published Jan. 15, 1952. Class 39.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Union Bottling Company, Memphis, Tenn. Non-alcoholic maltless carbonated beverages. 558,617, May 13; Serial No. 566,899, published Feb. 5, 1952. Class 45.

United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Writing-paper, envelopes, and writing-tablets. 85,696, re-renewed Mar. 5, 1952. O. G. May 13. Class 37.

United Enterprises, Inc., doing business as Fli-Pel Company, Chicago, Ill. Repellent for flies and insects. 558,749, May 13; Serial No. 603,581, published Feb. 19, 1952. Class 6.

United States Finishing Company, The, Norwich, Conn. Finishing of textile fabrics. 558,873, May 13; Serial No. 535,105, published Nov. 6, 1951. Class 106.

United States Plywood Corporation, assignee: *See*—
Zero Plywood Corp.

United Wallpaper, Inc., Chicago, Ill. Wallpaper. 558,838, May 13; Serial No. 614,674, published Jan. 29, 1952. Class 37.

Universal Nutritions, Inc., New York, N. Y. Laxative tablets. 558,905, May 13; Serial No. 605,244. Class 18.

Van Cleef Bros., Inc., Chicago, Ill. Brake fluid, shock absorber fluid, and bearing blue. 558,754, May 13; Serial No. 604,172, published Feb. 12, 1952. Class 6.

Van Raalte Company, Inc., New York, N. Y. Laces. 295,818, renewed July 12, 1952. O. G. May 13. Class 42.

Venus Foods, Los Angeles, Calif. Chocolate cookie bars filled with coconut. 558,844, May 13; Serial No. 615,092, published Feb. 12, 1952. Class 46.

Victor Products Corporation of Pennsylvania, Gettysburg, Pa. Rubber heels. 558,627, May 13; Serial No. 571,624, published Mar. 14, 1950. Class 39.

Vinco Corporation, Detroit, Mich. Work indexing fixtures. 558,817, May 13; Serial No. 612,521, published Jan. 29, 1952. Class 23.

Vineland Poultry Laboratories, Landis Township, Cumberland County, N. J. Veterinary medicine. 558,804, May 13; Serial No. 611,388, published Jan. 8, 1952. Class 18.

Viscosity Oil Company, Chicago, Ill. Hand cleaner. 558,618, May 13; Serial No. 567,476, published Feb. 19, 1952. Class 52.

Vital Products Manufacturing Company, Cleveland, Ohio. Gun-type hand tool. 558,670, May 13; Serial No. 589,349, published Jan. 22, 1952. Class 23.

Volt, W. J., Rubber Corp., Los Angeles, Calif. Flexible rubber hose. 558,907, May 13; Serial No. 606,349. Class 35.

Vola Laboratories: *See*—
Weber, Loretta.

Waldoc Handicrafters, Watsontown, Pa. Ash trays. 558,840, May 13; Serial No. 614,797, published Jan. 29, 1952. Class 8.

Wallace, R., & Sons Manfg. Co., The, Wallingford, Conn. Parachute hardware. 558,866, May 13; Serial No. 617,997, published Feb. 19, 1952. Class 13.

Weber, Loretta, doing business as Vola Laboratories, Philadelphia, Pa. Hair oil and hair combing and conditioning liquid. 558,780, May 13; Serial No. 607,910, published Jan. 15, 1952. Class 51.

Wenatchee Wenoka Growers Assn., Wenatchee, Wash. Fresh deciduous fruits. 558,623, May 13; Serial No. 570,238, published Feb. 12, 1952. Class 46.

West Bend Aluminum Co., West Bend, Wis. Aluminum cooking utensils. 558,723, May 13; Serial No. 600,204, published Sept. 18, 1951. Class 13.

West Indies Bay Company, Minneapolis, Minn. Bay rum. 558,713, May 13; Serial No. 598,336, published Jan. 22, 1952. Class 51.

West Point Lawn Products, West Point, Pa. Turf-retaining member for the soil penetrating elements of a cultivating apparatus. 558,678, May 13; Serial No. 592,588, published Feb. 5, 1952. Class 23.

Western Corral Industries, Chicago, Ill. Toy holsters and toy holster sets. 558,705, May 13; Serial No. 597,031, published Feb. 5, 1952. Class 22.

Western Flour Mill Company, Davenport, Iowa, to International Milling Company, Minneapolis, Minn. Wheat-flour. 85,699, re-renewed Mar. 5, 1952. O. G. May 13. Class 46.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, papeteries, etc. 444,689, May 13; Serial No. 526,041, published Jan. 1, 1952. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose writing paper, papeteries, etc. 558,596, May 13; Serial No. 545,924, published Feb. 12, 1952. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data or order books, loose writing paper, etc. 558,751, May 13; Serial No. 603,708, published Jan. 1, 1952. Class 37.

Western Waxed Paper Company: *See*—
Crown Zellerbach Corporation.

Weston Winery: *See*—
Schenley Distillers Corporation.

Whirla-Whip, Inc., assignee: *See*—
Reed, Claude A.

Whitehead, Jud, Heater Company, Oakland, Calif. Gas water heaters. 558,797, May 13; Serial No. 611,116, published Jan. 22, 1952. Class 34.

Whitfield Chemical Company: *See*—
Smith, Chester W.

Whitney Sporting Goods Company, The, Denver, Colo. Fishing lines, fishing rods, and fishing creels. 558,757, Mar. 13; Serial No. 604,676, published Jan. 29, 1952. Class 22.

Williams, R. C., & Company, Inc.: *See*—
Jaburg Brothers, Inc.

Wilner, Morris, Pittston, Pa. Wallpapers. 558,602, May 13; Serial No. 553,158, published Jan. 15, 1952. Class 37.

Wilson Jones Company, Chicago, Ill. Note books, composition books, and columnar pads. 558,653, May 13; Serial No. 582,227, published Jan. 1, 1952. Class 37.

Wine Corporation of America, Chicago, Ill. Wine. 558,784, May 13; Serial No. 608,644, published Jan. 1, 1952. Class 47.

Winn & Coales Limited, Kent, England. Textile bandages for wrapping metal pipes, etc. 558,619, May 13; Serial No. 568,338, published Jan. 22, 1952. Class 12.

Yawman & Erbe Manufacturing Co., Rochester, N. Y. Paper-files. 84,775, re-renewed Jan. 12, 1952. O. G. May 13. Class 37.

Youngstown Industries, Inc., Girard, Ohio. Vertical window shades. 558,758, May 13; Serial No. 604,678, published Jan. 29, 1952. Class 32.

Zero Plywood Corp., Los Angeles, Calif., assignor, by court order, to United States Plywood Corporation. Plywood. 558,673, May 13; Serial No. 589,614, published Dec. 18, 1951. Class 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather, Upper. Armour and Company. 558,660, May 13; Serial No. 584,605, published Dec. 25, 1951.
Loose curled hair, woven or interlaced curled hair, and rubberized curled hair. Blockson & Company. 558,650, May 13; Serial No. 582,016, published Dec. 25, 1951.
Plastic sheet material. Minnesota Mining & Manufacturing Company. 558,787, May 13; Serial No. 609,184, published Jan. 1, 1952.
Seeds. Ferry-Morse Seed Co. 558,891, May 13; Serial No. 579,922.
Seeds; Garden and field. D. D. Montgomery. 558,901, May 13; Serial No. 602,275.
Soybean oil meal for non-food industrial uses. General Mills, Inc. 558,697, May 13; Serial No. 596,021, published Dec. 25, 1951.
Synthetic resins in powdered and paste form. H. H. Robertson Company. 558,738, May 13; Serial No. 602,631, published Jan. 8, 1952.
Tapioca flour. Corn Products Refining Company. 291,750, renewed Feb. 23, 1952. O. G. May 13.

CLASS 2

Bag, Flexible synthetic sheet garment storage. C. L. Neely. 558,903, May 13; Serial No. 605,113.
Bags, Laminated moisture-proof. Mente & Co., Inc. 558,892, May 13; Serial No. 583,272.
Bags, Paper, and drinking-cups. The American Paper Goods Company. 85,721, re-renewed Mar. 12, 1952. O. G. May 13.

CLASS 3

Coin cases, card cases, key cases, etc. J. E. Steere. 558,642, May 13; Serial No. 578,057, published Jan. 22, 1952.
Hand bags, suit cases, overnight bags, etc. Gralnick Bros. Inc. 558,744, May 13; Serial No. 603,229, published Jan. 22, 1952.
Overnight cases, week-end cases, bottle cases, etc. Dale Retail Stores, Inc. 558,805, May 13; Serial No. 611,562, published Jan. 22, 1952.
Suitcases, weekend cases, wardrobe trunks, etc. Revelation Supplies Limited. 558,761, May 13; Serial No. 605,060, published Jan. 22, 1952.
Utility bags of leather. The Apollo Company Inc. 558,637, May 13; Serial No. 576,605, published Jan. 22, 1952.

CLASS 4

Abrasives, Coated. Behr-Manning Corporation. 558,816, May 13; Serial No. 612,291, published Feb. 19, 1952.
Polish, Metal. John Freiburg & Co. 558,644, May 13; Serial No. 578,670, published Feb. 19, 1952.
Polishes, Brass and silver. Colonial Chemical Co., Inc. 558,635, May 13; Serial No. 576,040, published Feb. 19, 1952.

CLASS 5

Adhesives. Behr-Manning Corporation. 558,810, May 13; Serial No. 611,883, published Feb. 19, 1952.

CLASS 6

Brake fluid, shock absorber fluid, and bearing blue. Van Cleef Bros., Inc. 558,754, May 13; Serial No. 604,172, published Feb. 12, 1952.
Chemical preparation. Chek Laboratories. 558,898, May 13; Serial No. 595,447.
Chemically treated paper indicators. Aseptic-Thermo Indicator Co. 558,718, May 13; Serial No. 598,941, published Feb. 26, 1952.
Compound composition for seed disinfectant. Plant Protection Limited. 558,689, May 13; Serial No. 594,581, published Apr. 24, 1951.
Disinfectant. L. Sonneborn Sons, Inc. 86,248, Apr. 23, 1912. Republished May 13.
Emulsifying and dispersing agents. Chemagro Corporation. 558,782, May 13; Serial No. 608,300, published Feb. 19, 1952.
Herbicide. Shell Chemical Corporation. 558,760, May 13; Serial No. 604,935, published July 10, 1951.
Insecticides. Mathieson Chemical Corporation. 558,843, May 13; Serial No. 615,072, published Feb. 12, 1952.
Lanolin. Botany Mills, Inc. 558,865, May 13; Serial No. 617,142, published Feb. 19, 1952.
Liquefied gas. Insto-Gas Corporation. 558,831, May 13; Serial No. 613,848, published Feb. 12, 1952.
Oils, chemicals, softeners and finishers. Arkansas Company, Inc. 558,601, May 13; Serial No. 552,110, published Jan. 8, 1952.
Repellent for flies and insects. United Enterprises, Inc. 558,749, May 13; Serial No. 603,581, published Feb. 19, 1952.
Soluble oil. L. Sonneborn Sons, Inc. 558,847, May 13; Serial No. 615,293, published Feb. 19, 1952.
Sulphonated olive oil. Royce Chemical Company. 292,820, renewed Mar. 29, 1952. O. G. May 13.
Synthetic resinous material. Shawinigan Products Corporation. 290,741, renewed Jan. 12, 1952. O. G. May 13.
Tannic acid, insecticidal aerosols, bleaching powder, etc. International Minerals & Chemical Corporation. 558,726–7, May 13; Serial Nos. 600,834–5, published Feb. 5, 1952.
Textile printing colors. Farbenfabriken Bayer. 558,802, May 13; Serial No. 611,347, published Feb. 26, 1952.

CLASS 8

Ash trays. Waldoc Handicrafters. 558,840, May 13; Serial No. 614,797, published Jan. 29, 1952.
Ash trays and cigarette servers, Cast metal. Rife-Loth Corporation. 558,664, May 13; Serial No. 586,013, published Jan. 29, 1952.
Cigarette boxes and ash trays. Associated American Artists, Inc. 558,860, May 13; Serial No. 616,400, published Feb. 26, 1952.
Cigarette boxes and ash trays. Associated American Artists, Inc. 558,861, May 13; Serial No. 616,402, published Feb. 26, 1952.
Lighters, Pyrophoric cigar. Thorens Company. 558,622, May 13; Serial No. 570,134, published Feb. 5, 1952.
Pipes, Smokers'. John Hudson Moore, Inc. 558,856, May 13; Serial No. 616,181, published Feb. 12, 1952.

CLASS 10

Fertilizers. Consolidated Rendering Company. 291,700, renewed Feb. 23, 1952. O. G. May 13.
Seed and soil inoculant. The Nitragin Company, Inc. 288,914. Nov. 10, 1931. Corrected. O. G. May 13.

CLASS 12

Asbestos fibre roof coating and plastic asbestos roof cement. The American Lubricants Company. 558,607, May 13; Serial No. 561,546, published Jan. 15, 1952.
Combination windows. Alumatic Corporation of America. 558,739, May 13; Serial No. 602,818, published Jan. 22, 1952.
Insulating material, Fire-proof heat. Mineral Wool Insulations Company. 558,899, May 13; Serial No. 597,535.
Plywood. Zero Plywood Corp. 558,673, May 13; Serial No. 589,614, published Dec. 18, 1951.
Plywood, Laminated and veneered. The Davis Plywood Corporation. 558,724, May 13; Serial No. 600,240, published Feb. 5, 1952.
Roll roofing, roofing, shingles, etc. Sears, Roebuck and Co. 552,641, Jan. 1, 1952. Corrected. O. G. May 13.
Roofing and building paper. The Ruberoid Co. 558,762, May 13; Serial No. 605,174, published Jan. 22, 1952.
Stone, cement and plaster, Artificial. F. & M. Supplies Limited. 558,747, May 13; Serial No. 603,478, published Jan. 22, 1952.
Textile bandages for wrapping metal pipes, etc. Winn & Coales Limited. 558,619, May 13; Serial No. 568,338, published Jan. 22, 1952.

CLASS 13

Aluminum cooking utensils. West Bend Aluminum Co. 558,723, May 13; Serial No. 600,204, published Sept. 18, 1951.
Chains. Anti-skid. Atlas Supply Company. 290,819, renewed Jan. 19, 1952. O. G. May 13.
Flush valve bulbs. J. A. Sexauer Mfg. Co., Inc. 558,587, May 13; Serial No. 505,247, published Feb. 19, 1952.
Hydraulic surge control apparatus, pilot line control apparatus. Snyder Oil Tool Corporation. 558,621, May 13; Serial No. 568,677, published Feb. 19, 1952.
Metal flat band strapping. General Strapping Corporation. 558,710, May 13; Serial No. 598,011, published Feb. 19, 1952.
Parachute hardware. The R. Wallace & Sons Manfg. Co. 558,866, May 13; Serial No. 617,897, published Feb. 19, 1952.
Sewage disposal systems and parts thereof. Gordon Sanitary Systems Corporation. 558,632, May 13; Serial No. 575,209, published Feb. 5, 1952.
Sinks; drainboards, trays of sheet metal; soap dishes, etc. Laboratory Furniture Company, Inc. 558,608, May 13; Serial No. 562,071, published Feb. 12, 1952.
Valves, Angle suction, suction bell mouths and suction strainers. Mechanical Marine Co., Inc. 558,792, May 13; Serial No. 610,086, published Feb. 5, 1952.
Valves, Butterfly flapper. Mud Products, Inc. 558,636, May 13; Serial No. 576,548, published Feb. 12, 1952.
Valves, Hydraulic and pneumatic. H. Ledeen. 558,867, May 13; Serial No. 618,236, published Feb. 19, 1952.

CLASS 14

Chilled iron castings. Fuller Lehigh Company. 290,924, renewed Jan. 19, 1952. O. G. May 13.
Drill rods and cold drawn steel. Pittsburgh Tool Steel Wire Company. 292,835, Mar. 29, 1932. Republished May 13.

CLASS 15

Gasoline, kerosene, lubricating oils and greases, etc. Ashland Oil & Refining Company. 558,675, May 13; Serial No. 591,273, published Jan. 8, 1952.
Gasoline, lubricating oils and greases. A. M. Smith. 558,814, May 13; Serial No. 612,221, published Jan. 8, 1952.
Grease, Heavy-bodied lubricating. Panther Oil & Grease Mfg. Co. 558,703, May 13; Serial No. 596,937, published Jan. 15, 1952.
Metal coating and drawing composition for lubricating metal during drawing and working. L. R. Kerns Company. 558,900, May 13; Serial No. 598,911.
Oil, Motor. Consumers Petroleum Company. 558,756, May 13; Serial No. 604,467, published Jan. 15, 1952.
Oil, Motor lubricating. Fleet-Wing Corporation. 558,826, May 13; Serial No. 613,507, published Dec. 25, 1951.
Oils, Cutting. Seydel-Woolley & Company. 558,736, May 13; Serial No. 602,220, published July 17, 1951.

CLASS 16

Paint, Anti-corrosive and anti-fouling, mixed paint, etc. Holzapfels Limited. 85,442, re-renewed Feb. 20, 1952. O. G. May 13.
Paint, Anticorrosive and antifouling, mixed paint, and enamel paints. Holzapfels Limited. 86,408, re-renewed May 7, 1952. O. G. May 13.
Paints, Ready mixed, paint enamels, paint colors in oil, etc. Albert K. Sheldon Co. 291,113, renewed Jan. 26, 1952. O. G. May 13.

CLASS 18

Anthelmintic remedy. S. Pfeiffer Manufacturing Co. 558,799, May 13; Serial No. 611,194, published Nov. 6, 1951.
Antibiotic-containing antibacterial preparation. E. R. Squibb & Sons. 558,801, May 13; Serial No. 611,248, published Jan. 8, 1952.
Chemicals, medicines, and pharmaceutical preparations. S. B. Penick & Company. 558,613, May 13; Serial No. 505,446, published Feb. 12, 1952.
Estrogenic-hormone preparation. E. R. Squibb & Sons. 558,803, May 13; Serial No. 611,381, published Jan. 8, 1952.
Estrogenic substance preparation. George A. Breon & Company. 558,823, May 13; Serial No. 613,212, published Dec. 25, 1951.
Hematinic preparation, Liquid. The Drug Products Co., Inc. 291,393, renewed Feb. 9, 1952. O. G. May 13.
Laxative tablets. Universal Nutritions, Inc. 558,905, May 13; Serial No. 605,244.
Medical preparation. H. Freeman. 558,841, May 13; Serial No. 614,986, published Jan. 29, 1952.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 558,811, May 13; Serial No. 611,964, published Jan. 15, 1952.
Medical preparation. R. M. Sherman. 558,908, May 13; Serial No. 608,626.
Medicated adhesive plasters. P. Beiersdorf & Co. Inc. 287,770, renewed Oct. 6, 1951. O. G. May 13.
Medicated drink. A. Christopher. 558,906, May 13; Serial No. 605,467.
Medicated wadding. Reilly, Olcott & Company. 558,681, May 13; Serial No. 593,140, published Dec. 18, 1951.
Medicinal preparation. The Maltine Company. 558,709, May 13; Serial No. 597,689, published Dec. 25, 1951.
Medicinal preparation. Physicians and Hospitals Supply Company, Inc. 558,812, May 13; Serial No. 611,969, published Jan. 15, 1952.
Medicinal preparations. Dormin, Inc. 558,820, May 13; Serial No. 612,994, published Dec. 25, 1951.
Medicinal tablets. G. S. Stoddard & Co., Inc. 558,766, May 13; Serial No. 605,562, published Dec. 18, 1951.
Medicine and pharmaceutical preparations and ingredients of medicines and pharmaceutical preparations. Barnes-Hind Laboratories. 558,871, May 13; Serial No. 620,482, published Feb. 19, 1952.
Nutritional supplements. Great Lakes Pharmacal Corporation. 558,822, May 13; Serial No. 613,067, published Dec. 25, 1951.
Ointment. E. M. Quinn. 558,711, May 13; Serial No. 598,037, published Dec. 25, 1951.
Ointment or paste. Gallia Laboratories, Inc. 558,828, May 13; Serial No. 613,632, published Dec. 25, 1951.
Ophthalmic solution. The Iso-Sol Company, Inc. 558,819, May 13; Serial No. 612,916, published Dec. 25, 1951.
Penicillin products. Schenley Laboratories, Inc. 558,742, May 13; Serial No. 602,977, published Jan. 8, 1952.
Pharmaceutical preparation. The S. E. Massengill Company. 558,698, May 13; Serial No. 596,596, published Dec. 25, 1951.
Powder for treating athlete's foot, etc. W. J. Starck. 558,687, May 13; Serial No. 594,295, published Dec. 25, 1951.
Powder for treating coccidiosis in chickens. A. J. Miller. 291,932, renewed Feb. 23, 1952. O. G. May 13.
Preparation for the treatment of bladder infections. Borcherdt Malt Extract Company. 558,674, May 13; Serial No. 589,632, published Dec. 18, 1951.
Veterinary medicine. Vineland Poultry Laboratories. 558,804, May 13; Serial No. 611,388, published Jan. 8, 1952.

CLASS 19

Vehicle, Wheeled. Given Manufacturing Company. 524,661, May 2, 1950. Corrected. O. G. May 13.

CLASS 20

Linoleum. Armstrong Cork Company. 558,855, May 13; Serial No. 616,008, published Feb. 26, 1952.

CLASS 21

Electric waste disposal units. Given Manufacturing Company. 521,488, Feb. 28, 1950. Corrected. O. G. May 13.
Electric waste disposal units. Given Manufacturing Company. 521,837, Mar. 7, 1950. Corrected. O. G. May 13.
Electrical rectifying and filtering devices and condensive elements. Square D Company. 295,888, renewed July 19, 1952. O. G. May 13.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 558,694, May 13; Serial No. 595,596, published Jan. 29, 1952.
Athletic balls or carcasses therefor. The Sun Rubber Company. 558,707, May 13; Serial No. 597,238, published Feb. 5, 1952.
Baseballs, baseball bats, and baseball gloves. Kennedy Brothers Arms Co., Inc. 558,699, May 13; Serial No. 596,669, published Feb. 12, 1952.
Billiard tables and parts thereof, and accessories therefor. The Brunswick-Balke-Collender Company. 558,716, May 13; Serial No. 598,881, published Feb. 26, 1952.
Boxing helmets. Sporting Enterprises. 558,781, May 13; Serial No. 608,256, published Jan. 29, 1952.
Dolls. J. Davis. 558,725, May 13; Serial No. 600,469, published Feb. 19, 1952.
Fishing lines, fishing rods, and fishing creels. The Whitney Sporting Goods Company. 558,757, May 13; Serial No. 604,676, published Jan. 29, 1952.
Games, Board. I. Fiedler. 558,685, May 13; Serial No. 594,111, published Feb. 26, 1952.
Rocking horses. L. D. Henry. 558,666, May 13; Serial No. 586,751, published Feb. 19, 1952.
Skis. A. G. Spalding & Bros. Inc. 558,773, May 13; Serial No. 606,497, published Feb. 12, 1952.
Toy holsters and toy holster sets. Western Corral Industries. 558,705, May 13; Serial No. 597,031, published Feb. 5, 1952.
Toy make-up or beauty kits. Cadillac Toy Mfg. Co. 558,645, May 13; Serial No. 579,258, published Jan. 29, 1952.
Toys for forming bubbles. Mecklenburg Specialties, Inc. 558,902, May 13; Serial No. 603,586.
Toys, Stuffed. Softskin Toys, Inc. 558,777, May 13; Serial No. 606,684, published Feb. 12, 1952.

CLASS 23

Air-powered pumps, Portable. Gray Company, Inc. 558,656, May 13; Serial No. 583,197, published Feb. 5, 1952.
Gears, angle fixtures, metal working tools, etc. Chas. Drexler Co., Inc. 558,586, May 13; Serial No. 480,949, published Jan. 22, 1952.
Hammermills, disintegrating machines, granulating machines, etc. Pulva Corporation. 558,686, May 13; Serial No. 594,233, published Jan. 29, 1952.
Hydraulic equipment. Blackhawk Mfg. Co. 558,592, May 13; Serial No. 538,864, published Feb. 5, 1952.
Ice-picks, awls, tack-pullers, etc. The Acme M'F'g Co. 38,607, re-renewed July 15, 1952. O. G. May 13.
Machines for pumping, spraying, smoothing, and tamping cementitious materials. Pyrok Limited. 558,839, May 13; Serial No. 614,786, published Jan. 29, 1952.
Mechanical rug hookers, rug hooks, and rug frames. John E. Garrett, Inc. 558,680, May 13; Serial No. 593,113, published Jan. 29, 1952.
Oilless and antifriction bearings. The Franklin Company. 84,089, rerenewed Nov. 7, 1951. O. G. May 13.
Planes, hand drills, screw drivers, etc. The Stanley Works. 292,198, renewed Mar. 1, 1952. O. G. May 13.
Power mowers. Farm and Ranch, Inc. 558,597, May 13; Serial No. 547,437, published Jan. 22, 1952.
Sanding machines, Power driven. R. H. Bouligny, Inc. 558,732, May 13; Serial No. 601,596, published Jan. 22, 1952.
Scissors and shears. The Acme Shear Company. 558,895, May 13; Serial No. 594,183.
Screw driver sets, Precision, and precision drill and screw driver sets. Moody Machine Products Co., Inc. 558,894, May 13; Serial No. 594,138.
Sewing machines. Fratelli Borletti Societa Per Azioni. 558,765, May 13; Serial No. 606,551, published Jan. 22, 1952.
Sewing machines, Electrically operated. Belvedere Sewing Machine Co., Inc. 558,897, May 13; Serial No. 595,055.
Sprayers, Insecticide. Dakota Steel Products Co. 558,701, May 13; Serial No. 596,780, published Jan. 22, 1952.

Stalk cutters. C. R. Perry. 558,668, May 13; Serial No. 587,444, published Sept. 12, 1950.
Textile machinery, and more specifically machinery for forming non-woven textile fiber webs. Curlator Corporation. 558,770, May 13; Serial No. 605,700, published Jan. 22, 1952.
Tool, Gun-type hand. Vital Products Manufacturing Company. 558,670, May 13; Serial No. 589,349, published Jan. 22, 1952.
Tool, Hand. John Drits & Sons. 558,887, May 13; Serial 560,001.
Tractors. Schramm, Inc. 558,702, May 13; Serial No. 596,868, published Jan. 29, 1952.
Turf-retaining member for the soil penetrating elements of a cultivating apparatus. West Point Lawn Products. 558,678, May 13; Serial No. 592,588, published Feb. 5, 1952.
Work indexing fixtures. Vinco Corporation. 558,817, May 13; Serial No. 612,521, published Jan. 29, 1952.

CLASS 26

Apparatus for measuring distances. Raytheon Manufacturing Company. 558,696, May 13; Serial No. 595,983, published Jan. 1, 1952.
Camera lenses. H. J. Graw. 558,870, May 13; Serial No. 619,158, published Jan. 8, 1952.
Electrical apparatus for the measurement and diagnosis of vibration and noise. Aircraft Electronics Associates, Incorporated. 558,654, May 13; Serial No. 583,015, published Jan. 1, 1952.
Electrical signal generators, and parts thereof. Ferris Instrument Company. 558,626, May 13; Serial No. 571,385, published Jan. 1, 1952.
Measuring tapes. The Lufkin Rule Co. 427,256, Feb. 4, 1947. Republished May 13.
Measuring tapes. The Lufkin Rule Co. 427,824, Feb. 25, 1947. Republished May 13.
Measuring tapes. The Lufkin Rule Co. 428,428, Mar. 25, 1947. Republished May 13.
Motion picture animated cartoons, Series of. Terrytoons, Inc. 558,829, May 13; Serial No. 613,747, published Jan. 1, 1952.
Motion picture photoplays, Series of. Walter Lantz Productions, Inc. 558,834, May 13; Serial No. 613,922, published Jan. 1, 1952.
Motion pictures, Christian educational sound. Ambassador Christian Educational Film Association. 558,633, May 13; Serial No. 575,799, published Jan. 1, 1952.
Photographic lenses. Ercona Camera Corporation. 558,835, May 13; Serial No. 613,980, published Jan. 1, 1952.
Pyrometers and electrical controls for pyrometers responsive to fluctuations in temperature. Pyrometer Service Company. 558,795, May 13; Serial No. 610,760, published Jan. 8, 1952.
Volumetric glassware for laboratory use. Sunstripe Corporation. 558,868, May 13; Serial No. 618,766, published Jan. 8, 1952.

CLASS 27

Clocks. Kalex Corporation. 558,712, May 13; Serial No. 598,259, published June 12, 1951.
Watches and watch movements. Juillerat Freres S. A. 558,655, May 13; Serial No. 583,097, published Dec. 25, 1951.
Watches, watch cases, and parts thereof. Chesterfield Watch Corp. 558,649, May 13; Serial No. 581,866, published Dec. 25, 1951.

CLASS 28

Jewelry, Costume. L. Fleischmann. 558,643, May 13; Serial No. 578,432, published Apr. 4, 1950.

CLASS 29

Brushes. National Brush Company. 558,700, May 13; Serial No. 596,746, published Jan. 1, 1952.
Brushes, Floor. Alwin Brush & Supply Company. 558,615, May 13; Serial No. 566,114, published Jan. 8, 1952.
Brushes, Clothes. Stanley Home Products, Inc. 558,704, May 13; Serial No. 597,021, published Feb. 12, 1952.
Brushes, Hair, shaving brushes, nail brushes, etc. Henderson Bros. & Company Limited. 558,682, May 13; Serial No. 593,594, published Jan. 1, 1952.
Cleaning mit. L. S. Adams. 558,690, May 13; Serial No. 594,610, published Jan. 8, 1952.
Toothbrushes. Lactona Incorporated. 558,659, May 13; Serial No. 584,408, published Jan. 8, 1952.

CLASS 30

China and porcelain vases, jardinieres, crockery, and pottery. M. P. Beckwith. 295,671, renewed July 5, 1952. O. G. May 13.
Dishware, Vitrified. Shenango Pottery Company. 558,731, May 13; Serial No. 601,575, published Nov. 6, 1951.
Porcelain, Hard glaze. H. F. Coors Company, Inc. 293,730, renewed May 3, 1952. O. G. May 13.

CLASS 31

Clarifiers of lubricating oils for engines, and oil clarifier refills. The Briggs Filtration Company. 558,590, May 13; Serial No. 531,431, published Jan. 29, 1952.
Filtering material, Cellular. Bailey Meter Company. 558,764, May 13; Serial No. 605,543, published Feb. 5, 1952.
Machines for freezing and dispensing frozen confections, Combination. C. A. Reed. 558,646, May 13; Serial No. 580,428, published Dec. 4, 1951.

CLASS 32

Cabinets, chests of drawers, storage lockers, etc. O. H. Lundqvist. 558,662, May 13; Serial No. 585,454, published Feb. 26, 1952.
Chair leg tips, Thermoplastic injection molded. The National Plastic Products Company. 558,859, May 13; Serial No. 616,332, published Feb. 26, 1952.
Chairs, Office, household and factory. Domore Chair Company, Inc. 558,849, May 13; Serial No. 615,487, published Feb. 12, 1952.
Chairs, tables and settees. Ficks Reed Co. 558,853, May 13; Serial No. 615,768, published Feb. 12, 1952.
Display racks, Battery cable. The Pure Oil Company. 558,620, May 13; Serial No. 568,660, published Feb. 26, 1952.
Furniture, Bedroom, living room, dining room and kitchen. B. G. Mesberg. 558,684, May 13; Serial No. 593,736, published Feb. 26, 1952.
Furniture, Metal, and office equipment. Corry-Jamestown Manufacturing Corporation. 558,667, May 13; Serial No. 587,161, published Feb. 26, 1952.
Furniture, Upholstered. Castro Decorators, Inc. 558,717, May 13; Serial No. 598,884, published Feb. 26, 1952.
Garden umbrellas. The Finkel Umbrella Frame Company, Inc. 558,612, May 13; Serial No. 563,672, published Feb. 26, 1952.
Hassock and storage chest, Multiple purpose. Ero Manufacturing Company. 558,641, May 13; Serial No. 577,780, published Feb. 26, 1952.
Hassocks. B. T. Crump Company, Inc. 558,722, May 13; Serial No. 599,749, published Feb. 12, 1952.
Mattresses and box springs. Sylcon Management Association. 558,884, May 13; Serial No. 533,948, published Feb. 26, 1952.
Mattresses, Crib. Allen Industries, Incorporated. 558,665, May 13; Serial No. 586,454, published Feb. 26, 1952.
Mattresses, Infant's crib. Bunny Bear Inc. 558,588, May 13; Serial No. 513,274, published Jan. 8, 1952.
Picture frames. Klik Promotions, Inc. 558,830, May 13; Serial No. 613,775, published Feb. 26, 1952.
Pillows, Sponge rubber. American Foam Rubber Corporation. 558,767, May 13; Serial No. 605,573, published Feb. 26, 1952.
Window cornices and window valances. H. G. Jones. 558,750, May 13; Serial No. 603,686, published Feb. 19, 1952.
Window shades, Vertical. Youngstown Industries, Inc. 558,758, May 13; Serial No. 604,678, published Jan. 29, 1952.

CLASS 34

Equipment for use with anthracite coal. Anthracite Institute. 558,883, May 13; Serial No. 556,238, published Feb. 12, 1952.
Fans and blowers, Heating, ventilating, and air conditioning, and air washers. The Bishop & Babcock Manufacturing Company. 558,679, May 13; Serial No. 592,801, published Feb. 5, 1952.
Furnace fittings. Nichols Wire & Aluminum Co. 558,857, May 13; Serial No. 616,185, published Jan. 22, 1952.
Heaters, Gas water. Jud Whitehead Heater Company. 558,797, May 13; Serial No. 611,116, published Jan. 22, 1952.
Heating and ventilating equipment, Poultry house. Romair, Inc. 558,647, May 13; Serial No. 580,903, published Jan. 22, 1952.
Incinerators, Gas operated. Autogas Company. 558,672, May 13; Serial No. 589,552, published Feb. 5, 1952.
Machine for the heat-treating of metal parts. The Cincinnati Milling Machine Co. 558,629, May 13; Serial No. 574,210, published Feb. 5, 1952.
Radiators. American Radiator & Standard Sanitary Corporation. 558,832, May 13; Serial No. 613,859, published Jan. 22, 1952.

CLASS 35

Rubber hose, Flexible. W. J. Voit Rubber Corp. 558,907, May 13; Serial No. 606,349.
Tires, Pneumatic, and inner tubes. Manufacture de Caoutchouc Michelin. 558,774, May 13; Serial No. 606,620, published Feb. 19, 1952.

CLASS 36

Accordions, stringed and fretted instruments, etc. Jules M. Sahlein. 555,575, Mar. 4, 1952. Corrected. O. G. May 13.
Harmonicas. M. Hohner. 87,451, renewed July 16, 1952. O. G. May 13.

CLASS 37

Desk pads and blotters, photograph folders, writing paper, etc. Sears, Roebuck and Co. 558,625, May 13; Serial No. 570,521, published Feb. 12, 1952.
Envelopes, Mailing, correspondence and filing, letterheads, billheads, etc. Gaw-O'Hara Envelope Co. 558,594, May 13; Serial No. 545,840, published Feb. 12, 1952.

Envelopes, Mailing, correspondence and filing, letterheads, billheads, etc. Gaw-O'Hara Envelope Co. 558,595, May 13; Serial No. 545,841, published Jan. 29, 1952.
Loose leaf binders. Federal Loose Leaf Corp. 558,752, May 13; Serial No. 603,880, published Feb. 5, 1952.
Manifolding assemblies. The Standard Register Company. 288,024, Oct. 20, 1931. Republished May 13.
Note books, composition books, and columnar pads. Wilson Jones Company, 558,653, May 13; Serial No. 582,227, published Jan. 1, 1952.
Paper and cards. Lincoln Paper Company. 558,715, May 13; Serial No. 598,590, published Feb. 12, 1952.
Paper, Book. Curtis Paper Company. 558,743, May 13; Serial No. 603,223, published Jan. 8, 1952.
Paper-files. Yawman & Erbe Manufacturing Co. 84,775, re-renewed Jan. 2, 1952. O. G. May 13.
Paper, Mimeograph, and bristol paper. Inland Empire Paper Company. 558,721, May 13; Serial No. 599,244, published Jan. 8, 1952.
Paper, Resin impregnated. Crown Zellerbach Corporation. 558,852, May 13; Serial No. 615,630, published Feb. 12, 1952.
Paper tablets; account, data or order books, loose writing paper, etc. Western Tablet & Stationary Corporation. 558,751, May 13; Serial No. 603,708, published Jan. 1, 1952.
Paper tablets; loose writing paper, papeteries, etc. Western Tablet & Stationary Corporation. 558,596, May 13; Serial No. 545,924, published Feb. 12, 1952.
Paper tablets, papeteries, etc. Western Tablet & Stationary Corporation. 444,689, May 13; Serial No. 526,041, published Jan. 1, 1952.
Paper, Wrapping. Gulf States Paper Corporation. 558,746, May 13; Serial No. 603,235, published Jan. 1, 1952.
Paper, Wrapping. Kalamazoo Vegetable Parchment Co. 558,609, May 13; Serial No. 562,196, published Feb. 12, 1952.
Paper, Wrapping, and butchers paper. Gulf States Paper Corporation. 558,745, May 13; Serial No. 603,232, published Dec. 25, 1951.
Paper, Writing, and correspondence envelopes. The Progress Lithographing Co. 558,753, May 13; Serial No. 603,941, published Feb. 5, 1952.
Papers, Coated. Fraser Paper, Limited. 558,676, May 13; Serial No. 591,985, published Jan. 1, 1952.
Partially printed forms. Charles R. Hadley Company. 558,733, May 13; Serial No. 601,724, published Feb. 5, 1952.
Pencils. L. & C. Hardtmuth, Inc. 558,728, May 13; Serial No. 601,104, published Jan. 15, 1952.
Pencils, Mechanical, and leads. Dur-O-Lite Pencil Co. 558,616, May 13; Serial No. 566,864, published Dec. 25, 1951.
Record forms and manifolding assemblies of record forms. Moore Business Forms, Inc. 558,755, May 13; Serial No. 604,213, published Jan. 1, 1952.
Record forms, Partially printed. Roy R. Smith. 558,593, May 13; Serial No. 540,475, published Jan. 15, 1952.
Refrigeration packaging products. International Harvester Company 558,734, May 13; Serial No. 601,795, published Jan. 1, 1952.
Shirt wrapper and collar support fabricated from paper, Combination. Loroco Industries, Inc. 558,708, May 13; Serial No. 597,369, published Jan. 22, 1952.
Toilet tissue. National Paper Corporation of Pennsylvania. 558,630, May 13; Serial No. 575,079, published Jan. 1, 1952.
Toilet tissue, paper towels, paper napkins, etc. National Paper Corporation of Pennsylvania. 558,631, May 13; Serial No. 575,080, published Jan. 1, 1952.
Wallpaper. United Wallpaper, Inc. 558,838, May 13; Serial No. 614,674, published Jan. 29, 1952.
Wallpapers. Morris Wilner. 558,802, May 13; Serial No. 553,158, published Jan. 15, 1952.
Waxed papers, plain glassine paper, waxed glassine paper, etc. Riegel Paper Corporation. 290,806, Jan. 19, 1932. Republished May 13.
Writing-paper, envelopes, and writing-tablets. United Drug Company. 85,896, re-renewed Mar. 5, 1952. O. G. May 13.

CLASS 38

Compilation of colored sheets or tabs. Panton Press, Inc. 558,836, May 13; Serial No. 614,409, published Feb. 12, 1952.
Periodical. Given Manufacturing Company. 517,689, Nov. 15, 1949. Corrected. O. G. May 13.
Printed records, bulletins, and reports. Media Records, Inc. 286,995, renewed Sept. 8, 1951. O. G. May 13.

CLASS 39

Brassières. Kabo, Inc. 558,858, May 13; Serial No. 616,321, published Feb. 19, 1952.
Dresses, dress sets, christening sets, Infant, infant's gowns, etc. Philippine Embroidery Corp. 558,846, May 13; Serial No. 615,134, published Feb. 19, 1952.
Dresses, Ladies'. E-Z-On Dresses Inc. 361,353, Oct. 11, 1938. Amended. O. G. May 13.
Dresses, Women's, misses' and children's. The Blaine Co. 558,863, May 13; Serial No. 616,656, published Feb. 19, 1952.
Foundation garments. Swisstex Company. 558,854, May 13; Serial No. 615,949, published Feb. 19, 1952.
Girdles, foundation garments and brassières. Fairsex Foundations, Inc. 558,845, May 13; Serial No. 615,110, published Feb. 19, 1952.
Heels, Rubber. Victor Products Corporation of Pennsylvania. 558,627, May 13; Serial No. 571,624, published Mar. 14, 1950.
Hosiery. Lawr-Rae Hosiery Mills. 558,850, May 13; Serial No. 615,606, published Feb. 19, 1952.
Hosiery, Ladies'. Shriro Trading Corporation. 558,848. May 13; Serial No. 615,354, published Feb. 19, 1952.
Hosiery, Women's and girls', and women's underwear. Liberty Hosiery Mills, Inc. 558,821, May 13; Serial No. 613,011, published Feb. 19, 1952.
Housedresses. Robt. K. Gershenow Co., Inc. 558,824, May 13; Serial No. 613,368, published Feb. 19, 1952.
Jeans and pants, Denim. Farah Manufacturing Company, Inc. 558,763, May 13; Serial No. 605,301, published Jan. 22, 1952.
Jeans and pants, Denim. Farah Manufacturing Company, Inc. 558,776, May 13; Serial No. 606,655, published Jan. 22, 1952.
Lingerie. The Spirella Company Incorporated. 292,657, renewed Mar. 22, 1952. O. G. May 13.
Pantie girdle with garters. Alice Monjar. 558,837, May 13; Serial No. 614,453, published Feb. 19, 1952.
Panties, Lad'ies'. The Belk Brothers Company. 558,599, May 13; Serial No. 548,231, published Feb. 19, 1952.
Shirts, collars, cuffs, etc. Cluett, Peabody & Co. 38,452, re-renewed June 17, 1952. O. G. May 13.
Shirts, Men's sport. Reliance Manufacturing Company. 558,624, May 13; Serial No. 570,320, published June 26, 1951.
Shoes. Brevitt Shoes Limited. 444,470–1, Apr. 17, 1951. Republished May 13.
Shoes. Brevitt Shoes Limited. 444,475, Apr. 24, 1951. Republished May 13.
Shoes, Men's and boys'. Craddock-Terry Shoe Corporation. 558,806, May 13; Serial No. 611,771, published Jan. 15, 1952.
Shoes, Men's and women's. Carson Pirie Scott & Company. 558,600, May 13; Serial No. 551,938, published Feb. 6, 1951.
Shoes, Men's, women's, and boys'. Craddock-Terry Shoe Corporation. 558,807, May 13; Serial No. 611,772, published Jan. 15, 1952.
Shoes, Men's, women's, and children's. Gerda Footwear Co., Inc. 558,796, May 13; Serial No. 610,841, published Jan. 15, 1952.
Shoes, Women's. Royce Shoe Corporation. 558,809, May 13; Serial No. 611,857, published Jan. 8, 1952.
Shoes, Women's and children's. Trimfoot Company. 558,785, May 13; Serial No. 608,685, published Jan. 15, 1952.
Skirts and blouses, Women's. Jackie Nimble, Inc. 558,714, May 13; Serial No. 598,367, published Feb. 19, 1952.
Suspenders and garters. Hickok Manufacturing Co. Inc. 558,663, May 13; Serial No. 585,930, published Jan. 22, 1952.
Underwear, Boy's. The Owenby Manufacturing Company. 558,677, May 13; Serial No. 592,219, published Feb. 19, 1952.
Underwear, Cotton. J. E. Morgan Manufacturing Company. 558,778, May 13; Serial No. 606,879, published Feb. 19, 1952.
Wearing apparel for women and girls, Outer. Kay Brothers, Inc. 294,057, renewed May 17, 1952. O. G. May 13.
Wearing apparel, Men's and boys'. Cape Ann Manufacturing Company. 558,815, May 13; Serial No. 612,241, published Jan. 22, 1952.
Work-shirts, Men's and boys'. Salant & Salant. 87,487, re-renewed July 16, 1952. O. G. May 13.

CLASS 40

Bias tape, hair clips, hooks and eyes, etc. Ely & Walker Dry Goods Company. 292,690, renewed Mar. 22, 1952. O. G. May 13.

CLASS 42

Blankets. Pepperell Manufacturing Company. 558,818, May 13; Serial No. 612,702, published Feb. 19, 1952.
Fabrics in the piece, Pile. Sidney Blumenthal & Co., Inc. 290,972, renewed Jan. 19, 1952. O. G. May 13.
Fabrics, Textile. D. B. Fuller & Co., Inc. 558,794, May 13; Serial No. 610,553, published Sept. 4, 1951.
Fabrics, Woolen, and woolen blankets. "Manta" Societe Anonyme. 558,788, May 13; Serial No. 609,448, published Feb. 19, 1952.
Laces. Van Raalte Company, Inc. 295,818, renewed July 12, 1952. O. G. May 13.
Piece goods. Donbobb Corporation. 558,786, May 13; Serial No. 608,985, published Feb. 19, 1952.
Piece goods. J. W. Glenn & Sons. 558,790, May 13; Serial No. 609,547, published Feb. 12, 1952.
Piece goods, Silk. H. R. Mallinson & Co., Inc. 296,309, Aug. 2, 1932. New certificate. O. G. May 13.
Piece goods, Woven. Wm. Oddy & Company, Limited. 558,791, May 13; Serial No. 609,943, published Feb. 12, 1952.
Sheets and pillowcases. W. A. Ballinger & Co. 558,869, May 13; Serial No. 618,877, published Feb. 19, 1952.

Sheets and pillow cases. Roman Cotton Goods Corp. 558,793, May 13; Serial No. 610,098, published Feb. 12, 1952.
Sheets, Bed, and sheeting. Southeastern Textile Company, Inc. 558,759, May 13; Serial No. 604,812, published Feb. 19, 1952.
Silk, rayon, cotton, and/or combinations thereof, in the piece; etc. Fred Butterfield & Co., Inc. 295,007, renewed June 14, 1952. O. G. May 13.

CLASS 43

Thread and continuous filament and staple fiber yarns. C. Klug. 558,862, May 13; Serial No. 616,604, published Feb. 19, 1952.
Yarn. James Lees and Sons Company. 558,813, May 13; Serial No. 612,171, published Feb. 19, 1952.

CLASS 44

Adhesive plasters. P. Beiersdorf & Co. Inc. 286,242, renewed Aug. 25, 1951. O. G. May 13.
Hearing aids, Electrical. S. C. Ryan. 558,904, May 13; Serial No. 605,117.

CLASS 45

Beverage, Non-alcoholic carbonated. The Dixi-Cola Company. 558,589, May 13; Serial No. 528,090, published Aug. 17, 1948.
Beverages, Nonalcoholic maltless. Orange Smile Sirup Company. 558,740, May 13; Serial No. 602,852, published July 10, 1951.
Beverages, Non-alcoholic, maltless. J. J. Richardson. 558,741, May 13; Serial No. 602,973, published Jan. 1, 1952.
Beverages, Non-alcoholic maltless carbonated. Union Bottling Company. 558,617, May 13; Serial No. 566,899, published Feb. 5, 1952.
Carbonated water, Unflavored, and flavored carbonated water. Murray Hill Restaurant, Inc. 558,798, May 13; Serial No. 611,190, published Jan. 1, 1952.
Fruit punches, Non-alcoholic, maltless, and fruit flavored soft drinks. Perkel Food Products Co. 558,648, May 13; Serial No. 581,439, published Jan. 1, 1952.
Grape juice, and non-alcoholic, non-cereal, maltless beverages. National Retailer-Owned Grocers, Inc. 558,657, May 13; Serial No. 583,277, published Jan. 8, 1952.
Mineral water, Natural. The Crazy Water Company, Inc. 558,748, May 13; Serial No. 603,576, published Jan. 22, 1952.
Orange-flavored syrups and bases. Orange Food Products, Inc. 558,614, May 13; Serial No. 565,647, published Jan. 15, 1952.
Orangeade and lemonade. L. S. Heath & Sons, Inc. 558,735, May 13; Serial No. 601,903, published Feb. 12, 1952.
Pure spring water. Seven Springs Tree Farm Co. 558,842, May 13; Serial No. 615,031, published Feb. 12, 1952.
Root beer. Belfast Beverages, Inc. 558,737, May 13; Serial No. 602,543, published Jan. 1, 1952.
Soft drinks, Maltless. The Perfection Company, Ltd. 558,605, May 13; Serial No. 555,444, published Feb. 12, 1952.

CLASS 46

Bread crumbs. C. A. Gerber. 558,888, May 13; Serial No. 577,789.
Candy. The Great Atlantic and Pacific Tea Company. 558,833, May 13; Serial No. 613,873, published Feb. 12, 1952.
Candy bars, Chocolate. William Neilson Limited. 558,896, May 13; Serial No. 594,652.
Canned asparagus. Rochelle Asparagus Company. 558,885, May 13; Serial No. 549,279.
Canned sardines. Southern California Fish Corporation. 558,827, May 13; Serial No. 613,612, published Feb. 12, 1952.
Canned tomatoes, canned tomato puree, and canned fruits. Hollister Canning Company. 558,864, May 13; Serial No. 616,820, published Feb. 19, 1952.
Canned tuna and frozen fish fillets and frozen fresh shrimp. Marine Products Company. 558,851, May 13; Serial No. 615,608, published Feb. 12, 1952.
Canned tuna, sardines, and pilchards. J. J. Funsten. 558,591, May 13; Serial No. 538,391, published Oct. 3, 1950.
Chocolate cookie bars filled with coconut. Venus Foods. 558,844, May 13; Serial No. 615,092, published Feb. 12, 1952.
Emulsifiers for use in the manufacture of frozen confections. National Pectin Products Company. 423,975, Sept. 17, 1946. Republished May 13.
Flour. Thornton & Chester Milling Company. 86,479–81, re-renewed May 7, 1952. O. G. May 13.
Fresh deciduous fruits. L. Giorgetti & Co. 235,852, Nov. 29, 1927. Republished May 13.
Fruits and vegetables, Fresh deciduous. John Jacobs Co. 291,712, renewed Feb. 23, 1952. O. G. May 13.
Fruits, Fresh deciduous. Wenatchee Wenoka Growers Assn. 558,623, May 13; Serial No. 570,238, published Feb. 12, 1952.
Oats, Rolled. The Quaker Oats Company. 292,706, renewed Mar. 22, 1952. O. G. May 13.
Olive oils. C. Livoti. 289,789, renewed Dec. 8, 1951. O. G. May 13.
Popcorn, Caramel flavored. King Kone Corporation. 558,886, May 13; Serial No. 552,990.
Popping-corn and seasoning for popcorn. The Albert Dickinson Company. 291,204, renewed Feb. 2, 1952. O. G. May 13.
Pretzels; dried currants, raisins, etc. Krambo Food Stores, Incorporated. 417,607, Nov. 6, 1945. Republished May 13.
Sodas—namely, sal soda and bicarbonate of soda, etc. Jaburg Brothers, Inc. 290,832, renewed Jan. 19, 1952. O. G. May 13.
Wheat-flour. Thornton & Chester Milling Company. 86,638, re-renewed May 21, 1952. O. G. May 13.
Wheat-flour. Western Flour Mill Company. 85,699, re-renewed Mar. 5, 1952. O. G. May 13.

CLASS 47

Wine. Wine Corporation of America. 558,784, May 13; Serial No. 608,644, published Jan. 1, 1952.
Wine, Port. Robertson Bros. & Co. Limited. 558,640, May 13; Serial No. 577,070, published Feb. 12, 1952.
Wine with quinquina, Aperitive. Kina Rok. 558,611, May 13; Serial No. 563,069, published Feb. 12, 1952.
Wines. T. G. Bright & Co. Limited. 558,638, May 13; Serial No. 576,619, published Jan. 1, 1952.
Wines. T. G. Bright & Co. Limited. 558,639, May 13; Serial No. 576,624, published Jan. 1, 1952.
Wines. Ellis Brothers, Inc. 558,695, May 13; Serial No. 595,830, published Jan. 8, 1952.
Wines. House of Old Molineaux, Inc. 558,706, May 13; Serial No. 597,148, published Jan. 8, 1952.
Wines. Schenley Distillers Corporation. 558,651–2, May 13; Serial No. 582,187–8, published Jan. 1, 1952.

CLASS 48

Ale. The Croft Brewing Company. 558,691–2, May 13; Serial Nos. 594,620–1, published Jan. 1, 1952.
Ale. Red Top Brewing Company. 558,768, May 13; Serial No. 605,609, published Jan. 15, 1952.
Beer. Berghoff Brewing Corporation. 558,598, May 13; Serial No. 548,043, published Feb. 12, 1952.
Beer. Piel Bros. 558,603, May 13; Serial No. 555,298, published Feb. 12, 1952.
Beer and ale. Atlas Brewing Company. 558,634, May 13; Serial No. 576,028, published Jan. 8, 1952.
Beer, Lager. Gulf Brewing Company. 558,661, May 13; Serial No. 585,325, published Jan. 1, 1952.

CLASS 49

Alcoholic beverages. The Crosse & Blackwell Company. 558,719, May 13; Serial No. 598,986, published Feb. 12, 1952.
Brandy. Sovereign Importers, Ltd. 558,789, May 13; Serial No. 609,498, published Jan. 8, 1952.
Gin. New England Distillers, Incorporated. 558,610, May 13; Serial No. 562,791, published Jan. 8, 1952.
Rum. Lemon Hart & Son Limited. 558,671, May 13; Serial No. 589,445, published Feb. 12, 1952.
Whisky. Maryland Import Company. 558,808, May 13; Serial No. 611,798, published Jan. 8, 1952.

CLASS 50

Boot hooks and boot jacks. Gemsco, Inc. 290,094, renewed Dec. 22, 1951. O. G. May 13.
Matrix, dry mat. Certified Dry Mat Corporation. 291,694, renewed Feb. 23, 1952. O. G. May 13.

CLASS 51

Artificial and synthetic perfumery compositions; natural and synthetic essential oils, etc. Firmenich & Co. 558,683, May 13; Serial No. 593,664, published Jan. 8, 1952.
Baby oil, baby cream and baby powder. International Latex Corporation. 558,606, May 13; Serial No. 558,031, published Jan. 22, 1952.
Bay rum. West Indies Bay Company. 558,713, May 13; Serial No. 598,336, published Jan. 22, 1952.
Cologne. Stuart, Inc. 558,720, May 13; Serial No. 599,129, published Feb. 19, 1952.
Cosmetics. M. de Wilkowska. 558,769, May 13; Serial No. 605,647, published Jan. 15, 1952.
Face powder. Avon Products, Inc. 558,893, May 13; Serial No. 590,066.
Face powder, lipstick, lip pencil, etc. A. J. Girls Products Corp. 558,800, May 13; Serial No. 611,245, published Jan. 15, 1952.
Hair oil and hair combing and conditioning liquid. L. Weber. 558,780, May 13; Serial No. 607,910, published Jan. 15, 1952.
Lip rouge. J. B. Nethercutt. 558,775, May 13; Serial No. 606,625, published Jan. 1, 1952.
Liquid preparation for restoring gray or faded hair to its natural color. T. S. Laser. 558,771, May 13; Serial No. 605,861, published Jan. 15, 1952.
Lotion, Foot. On Your Toes, Inc. 558,730, May 13; Serial No. 601,556, published Jan. 15, 1952.
Perfume and cologne. E. G. Ferris. 558,772, May 13; Serial No. 605,937, published Jan. 15, 1952.
Perfumed sachets. Treasure Masters Corporation. 558,783, May 13; Serial No. 608,523, published Jan. 15, 1952.

Perfumes, eau de cologne, toilet water, etc. Lehn & Fink Products Corporation. 558,779, May 13; Serial No. 607,256, published Jan. 15, 1952.
Perfumes, toilet waters. Societe Anonyme Parfums Marcel Rochas. 558,889, May 13; Serial No. 579,143.
Pomade for hair. M & W Manufacturing Company. 558,909, May 13; Serial No. 613,931.
Rouge, face powder, perfume, toilet water, etc. L. Friedberg. 558,658, May 13; Serial No. 583,339, published Jan. 22, 1952.
Shaving cream, Liquid. Morton Manufacturing Corporation. 558,872, May 13; Serial No. 622,370, published Feb. 12, 1952.

CLASS 52

Chemicals and chemical compounds for use in removing soot, fire scale, slag, and sludge. Polyphase Chemical Service, Inc. 558,825, May 13; Serial No. 613,422, published Jan. 22, 1952.
Cleaner, Hand. Viscosity Oil Company. 558,618, May 13; Serial No. 567,476, published Feb. 19, 1952.
Cleaning compound, General. Century Metalcraft Corporation. 558,628, May 13; Serial No. 573,518, published Feb. 19, 1952.
Cleaning solution. C. W. Smith. 558,729, May 13; Serial No. 601,473, published Jan. 15, 1952.
Detergent laundry compound. R. W. Thomson. 558,669, May 13; Serial No. 589,177, published Dec. 26, 1950.
Detergents, Laundry, Pacific Compound and Manufacturing Company. 558,688, May 13; Serial No. 594,330, published Mar. 27, 1951.
Shampoo. Golden Glint Company. 558,693, May 13; Serial No. 594,712, published Feb. 19, 1952.
Washing compound. H. W. Haaker. 558,890, May 13; Serial No. 579,820.

CLASS 100

Chemical engineering services. Hall Laboratories, Incorporated. 558,876, May 13; Serial No. 588,028, published Feb. 19, 1952.
Hair cutting, hair dressing, scalp treatment, etc. Head's of F Street. 558,881, May 13; Serial No. 618,395, published Feb. 19, 1952.
Testing service. Educational Testing Service. 558,879, May 13; Serial No. 615,542, published Feb. 26, 1952.

CLASS 101

Conducting and promoting activities in the hobby-model industry. Model Industry Association. 558,875, May 13; Serial No. 586,931, published Feb. 12, 1952.
Reading information service. The Grolier Society, Inc. 558,874, May 13; Serial No. 582,619, published Feb. 12, 1952.

CLASS 103

Service, maintenance and repair of internal combustion engines, etc. Caterpillar Tractor Co. 558,877, May 13; Serial No. 601,254, published Feb. 19, 1952.

CLASS 104

Radio and television program broadcasting service. Radiohio, Incorporated. 558,878, May 13; Serial No. 610,027, published Feb. 19, 1952.
Radio program broadcasting services. Intercollegiate Broadcasting System, Inc. 558,882, May 13; Serial No. 622,050, published Feb. 19, 1952.

CLASS 106

Finishing of textile fabrics. The United States Finishing Company. 558,873, May 13; Serial No. 535,105, published Nov. 6, 1951.

CLASS 107

Entertainment services. C. B. Gay. 558,880, May 13; Serial No. 615,697, published Feb. 19, 1952.
Information service. Bulletin Company. 554,058, Jan. 22, 1952. Corrected. O. G. May 13.

LIST OF PLANT PATENTEES

Garabedian, John M., assignee: *See*—
Kirkman, William T.

Kalle, Adrian G., South Haven, Mich., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo. Pear tree. 1,095, May 13.

Kirkman, William T., Madera, assignor to J. M. Garabedian, Fresno, Calif. Nectarine tree. 1,096, May 13.

Stark Bro's Nurseries and Orchards Company, assignee: *See*—
Kalle, Adrian G.

LIST OF DESIGN PATENTEES

Beene, Wade, Petersburg, Va. Auto insignia. 166,729, May 13.

Beene, Wade, Petersburg, Va. Auto insignia. 166,730, May 13.

Beerbaum, Helmut D.: *See*—
Lux, Frederick, and Beerbaum.

Blunt, Royden A., Baltimore, Md. Bottle. 166,731, May 13.

Carey, Thomas F., Kensington, Md. Twin bed unit. 166,732, May 13.

Carver, Alice, assignor to Richard G. Krueger, Inc., New York, N. Y. Baby shoe. 166,733, May 13.

Chandler, Lois E., Dallas, Tex. Hospital tray. 166,734, May 13.

Chaplin, Charles J., assignor to Chaplin Corporation, South Portland, Maine. Compartmented plate. 166,735, May 13.

Chaplin Corporation, assignee: *See*—
Chaplin, Charles J.

Childers Manufacturing Co., assignee: *See*—
Childers, Robert A., and Miller.

Childers, Robert A. and C. C. Miller, assignors to Childers Manufacturing Co., Houston, Tex. Metal awning. 166,736, May 13.

Childers, Robert A. and C. C. Miller, assignors to Childers Manufacturing Co., Houston, Tex. Metal door hood. 166,737, May 13.

Clauss, Robert W., Riverdale, N. Y. Toy disk gun. 166,738, May 13.

Coogan, Henry P.: *See*—
La Bue, Seraphina C., and Coogan.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Covey, Laird F.: *See*—
Kilburg, Gene, Covey, and Lippincott.

Dickins, William R., Sr., Enterprise, Fla. Cigarette holder. 166,739, May 13.

Dodge, Ray E., Los Angeles, Calif. Trophy base. 166,740, May 13.

Dvorsky, Alexander L., and M. Palo, Conneaut, Ohio. Microphone or the like. 166,741, May 13.

Ellmore Silver Co., Inc., The, assignee: *See*—
Lipman, Isadore A.

Etched Products Corporation, assignee: *See*—
Gosweiler, Herbert.

Fellman, Abraham C., Forest Hills, N. Y. Rubber sole for footwear. 166,742, May 13.

Fischer, Joseph, Pelham Manor, N. Y. Hand spotlight. 166,743, May 13.

Fischer, Joseph, Pelham Manor, N. Y. Hand spotlight. 166,744, May 13.

Flor, Henry A.: *See*—
Meyer, William J., and Flor.

Gaylord, Ethlyn B., Temple City, Calif. Timer. 166,745, May 13.

Gemex Company, assignee: *See*—
Prestinari, Eugen.

General Time Corporation, assignee: *See*—
Juhas, Michael.

Gibson Refrigerator Company, assignee: *See*—
Janes, Richard B.

Giovacchimi, Aligilvero, Chicago, Ill. Figurine. 166,746, May 13.

Golovin, Nathaniel B., New York, N. Y. Slipper or the like. 166,747, May 13.

Gosweiler, Herbert, Stratford, Conn., assignor to Etched Products Corporation, Long Island City, N. Y. Mailbox. 166,748, May 13.

Heinz, James I., Arlington, Va. Mailbox house. 166,749, May 13.

Hohner, Walter, Trossingen, Germany. Mouth organ. 166,750, May 13.

Iannelli, Alfonso, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis. Electric hair clipper. 166,751, May 13.

International Harvester Company, assignee: *See*—
Koeber, Theodore H.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Merkel, Arthur J.

Janes, Richard B., assignor to Gibson Refrigerator Company, Greenville, Mich. Household refrigerator. 166,752, May 13.

Jones, Whitney W., Philadelphia, Pa. Parking meter housing. 166,753, May 13.

Juhas, Michael, Torrington, Conn., assignor to General Time Corporation, New York, N. Y. Time stamp case. 166,754, May 13.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,755, May 13.

Keane, John A. C., St. Albans, N. Y. Clockcase. 166,756, May 13.

Kilburg, Gene, Milwaukee, Wis., L. F. Covey, Darien, Conn., and J. G. Lippincott, Scarsdale, N. Y., assignors to Superdisplay, Incorporated, Milwaukee, Wis. Butter dispenser. 166,757, May 13.

Kinskie, Adam L., Morristown, Tenn. Combined toy holster and belt set. 166,758, May 13.

Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Door handle. 166,759, May 13.

Krueger, Richard G., Inc., assignee: *See*—
Carver, Alice.

La Bue, Seraphina C., Bronx, N. Y., and H. P. Coogan, Fairfield, assignors to The Warner Brothers Company, Bridgeport, Conn. Combination girdle and brassière. 166,760, May 13.

Landers, Frary & Clark, assignee: *See*—
Russell, William J.

Langville, Ray H., Portland, Oreg. Metal shingle. 166,761, May 13.

Levy, Jack E., Stamford, Conn. Hobbyhorse or the like. 166,762, May 13.

Lipman, Isadore A., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Spoon or similar article. 166,763, May 13.

Lippincott, Joshua G.: *See*—
Kilburg, Gene, Covey, and Lippincott.

Lux Clock Manufacturing Company, Inc., The, assignee: *See*—
Lux, Frederick, and Beerbaum.

Lux, Frederick, Middlebury, and H. D. Beerbaum, Wolcott, assignors to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn. Interval timer. 166,764, May 13.

Melville, Richard J., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 166,766, May 13.

Merkel, Arthur J., East Cleveland, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Badge. 166,767, May 13.

Metsker, Virginia O., Wichita, Kans. Medal or similar article. 166,768, May 13.

Meyer, William J., Ridgewood, and H. A. Flor, Merrick, N. Y. Toothpick dispenser or the like. 166,769, May 13.

Miller, Claud C.: *See*—
Childers, Robert A., and Miller.

Odzer, Harry, New York, N. Y. Textile fabric. 166,770, May 13.

Oster, John, Manufacturing Company, assignee: *See*—
Iannelli, Alfonso.

Otto, Carl L., New York, N. Y., assignor to The Torsion Balance Company, Clifton, N. J. Laboratory scale. 166,771, May 13.

Palo, Maurice: *See*—
Dvorsky, Alexander L., and Palo.

Petracek, Vaclav, Long Island City, N. Y. Woven plastic fabric. 166,765, May 13.

Phillippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 166,772, May 13.

Prestinari, Eugen, Short Hills, assignor to Gemex Company, Union, N. J. End link for a wrist watch bracelet. 166,773, May 13.

Russell, William J., assignor to Landers, Frary & Clark, New Britain, Conn. Coffee server. 166,774, May 13.

St. Thomas, William H., assignor to St. Thomas Inc., Gloversville, N. Y. Coin purse. 166,777, May 13.

St. Thomas Inc., assignee: *See*—
St. Thomas, William H.

Saltzman, Morris, New York, N. Y. Holder for playing cards or the like. 166,775, May 13.

Stanley, Darwin C., Paramount, Calif. Hobbyhorse or similar article. 166,776, May 13.

Superdisplay, Incorporated, assignee: *See*—
Kilburg, Gene, Covey, and Lippincott.

Taylor Instrument Companies, assignee: *See*—
Melville, Richard J.

Torsion Balance Company, The, assignee: *See*—
Otto, Carl L.

Trifari, Krussman & Fishel, Inc., assignee: *See*—
Phillippe, Alfred.

Troy, Ellen, New York, N. Y. Lady's ornamented stocking. 166,778, May 13.

Troy, Ellen, New York, N. Y. Lady's ornamented stocking. 166,779, May 13.

Warner Brothers Company, The, assignee: *See*—
La Bue, Seraphina C., and Coogan.

Watkins, William B., Winnetka, assignor to The Wm B. Watkins Co., Evanston, Ill. Cooking utensil. 166,780, May 13.

Watkins, Wm. B., Co., The, assignee: *See*—
Watkins, William B.

Weissman, Harry, New Hyde Park, N. Y. Spectacle frame ornament or similar article. 166,781, May 13.

Weskrna, Henry, Belleville, N. J. Toilet tissue dispenser. 166,782, May 13.

Wilkinson, Ernest R., Santa Ana, Calif. Combined cigarette box, cigarette holder, and smoking device. 166,783, May 13.

Williams, Hiram H., Rhiwbina, Cardiff, Wales. Hand truck. 166,784, May 13.

Wiseman, Robert T., Canton, Ohio. Child's sandal or similar article. 166,785, May 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A P Controls Corporation, assignee: *See*—
Johnson, Roy W., Zarwell, and McCarty.

Abbott, Gail C., assignor to Grip Nut Company, South Whitley, Ind. Automatic work feeding mechanism. 2,596,109, May 13.

Ace Carton Corporation, assignee: *See*—
Eaton, Wilfred A.
Eaton, Wilfred A., and Sanford.

Ackermans, John W. J., Detroit, Mich. Let-down type automobile top. 2,596,355, May 13.

Ackermans, John W. J., Detroit, Mich. Door and window structure for convertible bodies. 2,596,356, May 13.

Adrien, Edmond J., Lynn, Mass. Resilient toolholder. 2,596,110, May 13.

Africano, Alfred: *See*—
Bradford, Eliot B., Africano, and Hickman.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Keating, John F. and E. J.

Ahlstrom, Harvey D., and E. N. Foltz, Oneida, Wis. General utility clamp. 2,596,111, May 13.

Ahrendt Instrument Company, assignee: *See*—
Clark, James A., and Ferguson.

Aines, Andrew A., U. S. Army, Petersburg, Va. Trouser blousing method. 2,596,112, May 13.

Air Control Products, Inc., assignee: *See*—
Leigh, Robert L.

Aircraft-Marine Products Inc., assignee: *See*—
Carlson, Vernon E.

Air-Maze Corporation, assignee: *See*—
Brixius, Jacob K.
Hanneman, Robert G., and Brixius.

Aktiebolaget Elektrolux, assignee: *See*—
Karlstrom, Johan F. R.

Alexandrescu, Alexander M., Cleveland, Ohio. Opener. 2,596,459, May 13.

Allebach, Karl A., assignor to Gilfillan Bros., Inc., Los Angeles, Calif. Bridge-type precision antenna structure. 2,596,113, May 13.

Allen, Clifford G., Hartville, Ohio. Traction device for vehicle wheels. 2,596,517, May 13.

Allen, William W., assignor to American Chemical Paint Company, Ambler, Pa. Esters of chlorinated phenoxyacetic acids. 2,596,089, May 13.

Allied Chemical & Dye Corporation, assignee: *See*—
Ogilvie, James.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Peter, Charles R.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Hedström, Sven E.

Aluminum Company of America, assignee: *See*—
Mahns, Maurice W.

Amend, Jacob E., deceased, Brighton, Colo., by M. E. Amend, administratrix, Brighton, Colo. Beet topping machine. 2,596,757, May 13.

Amend, Marie E., administratrix: *See*—
Amend, Jacob E.

American Chemical Paint Company, assignee: *See*—
Allen, William W.

American Cyanamid Company, assignee: *See*—
Hill, Arthur J., and Maynard.
Kaiser, Donald W.
Pietzsch, Kurt F.

American Hardware Corporation, The, assignee: *See*—
Welch, Nicholas A., and Zelgenhein.

American Machine and Foundry Company, assignee: *See*—
Sowa, Frank J.

American Optical Company, assignee: *See*—
Moulton, Harold R., and Mahler.
Reardon, Joseph D., and Peters.
Tillyer, Edgar D., and Bennett.

American Pipe and Construction Co., assignee: *See*—
Jenkins, Fred F.

American Seating Company, assignee: *See*—
Nordmark, Walter E., Miller, and Poel.

American Steel Foundries, assignee: *See*—
Kayler, Frank H.

American Viscose Corporation, assignee: *See*—
Johnson, Thomas H., and Thompson.

American Vitos Company, Inc., assignee: *See*—
Vitoux, Marcel.

Anderson, Harold H., assignor of one-half to E. C. Wegert, Detroit, Mich. Boat outrigger float. 2,596,194, May 13.

Anderson, John F., Oakland, Calif. Automobile auxiliary window mounting. 2,596,114, May 13.

Anderson, Olof V., Cowesett, R. I., assignor to Anson, Inc. Cuff link. 2,596,357, May 13.

Anson, Inc., assignee: *See*—
Anderson, Olof V.

Anstice, Mortimer R., Sr.: *See*—
Clague, James D., and Anstice.

Anzionnaz, René, assignee: *See*—
Imbert, Roger J.

Arbuckle, Lawrence L., Chicago, assignor to Bell & Gossett Company, Morton Grove, Ill. Heat exchanger for refrigerating systems. 2,596,195, May 13.

Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of diacyl cyanides. 2,596,804, May 13.

Arenberg, David L., Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Multichannel filter. 2,596,460, May 13.

Aristocrat Manicuring Company, assignee: *See*—
Kessler, Merrill.

Armstrong Cork Company, assignee: *See*—
Gard, George E., and Phillips.
Leed, Edgar I.

Armstrong, Frank W., Jr.: *See*—
Carpenter, Otis R., and Armstrong.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Rabinow, Jacob.

Arnold, Russell W.: *See*—
Nielsen, Morris L., Arnold, and Chapin.

Aronson, Theodore F.: *See*—
Halahan, John, Aronson, and Lyon.

Arvela, Aukusti J., Leppavaara, Finland. Magnetic variometer. 2,596,638, May 13.

Arvin Industries, Inc., assignee: *See*—
Booth, Earl C.

Asaff, Annis G., Auburndale, assignor to Commonwealth Research Laboratories, Boston, Mass. Asphaltic coating compositions for flooring, etc. 2,596,323, May 13.

Asaro, Vito, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring structure. 2,596,196, May 13.

Ateliers Ventil, assignee: *See*—
Mondet, Paul.

Atlantic Products Corporation, assignee: *See*—
Kish, Michael, Jr., McNeil, and Kirby.

Auer, Gaylord R., assignee: *See*—
Frisch, Benjamin N.

Austin, Lucien C., Newton, N. J. Screened positive for use in preparation of intaglio printing plates and making said positive. 2,596,115, May 13.

Automatic Electric Laboratories, Inc., assignee: *See*—
Balzer, Harvey W.

B. B. Chemical Co., assignee: *See*—
Seymour, Malcolm.

Babcock & Wilcox Company, The, assignee: *See*—
Carpenter, Otis R., and Armstrong.
Evans, Richard H., and Purple.
Shellenberger, Rolfe, and Poole.

Bahnson, Agnew H., Jr., assignor to K. K. Bahnson, Winston-Salem, N. C. Apparatus for cleaning filter screens. 2,596,518, May 13.

Bahnson, Katharine K., assignee: *See*—
Bahnson, Agnew H., Jr.

Bailen, Jacob L., Bloomington, assignor of thirty-five per cent to G. E. Meltes, Chicago, Ill. Belt for wearing apparel. 2,596,884, May 13.

Bain, Charles K., Bonne Terre, Mo., assignor to St. Joseph Lead Company, New York, N. Y. Tamping an explosive charge. 2,596,639, May 13.

Baisch, John C., Whittier, Calif., assignor to Carter Carburetor Corporation, St. Louis, Mo. Speed responsive valve for fuel-feeding systems. 2,596,461, May 13.

Baker, Donald J., Los Angeles, Calif. Distance comparator gauge. 2,596,519, May 13.

Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Jack mechanism. 2,596,462, May 13.

Ball, Gaines L., assignor to Batson-Cook Company, West Point, Ga. Drier for slashers. 2,596,358, May 13.

Ball, Richard H.: *See*—
Murdock, Thomas B., and Ball.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Toll switching telephone system. 2,596,833, May 13.

Bamber, Millard J., Cabin John, Md. Airplane pressure differential stall indicator. 2,596,116, May 13.

Banker, Olin E., Wilkes-Barre, Pa. Cellar drain valve. 2,596,805, May 13.

Barcus, Edward L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Direction signal switch. 2,596,834, May 13.

Barker Poultry Equipment Company, assignee: *See*—
Sharp, Allen W.

Barker, Sydney W., Colne, assignor to Lustrafil Limited, Nelson, England. Thread guiding apparatus. 2,596,520, May 13.

Barry-Wehmiller Machinery Company, assignee: *See*—
Wehmiller, Paul K., and Nekola.

Barthelmes, Albert J., assignor, by mesne assignments, to Seismograph Service Corporation, Tulsa, Okla. Determining subsurface geological structure by seismic surveying employing refraction shooting. 2,596,463, May 13.

Bartlett, Thomas S., London, Ontario, Canada. Friction gearing. 2,596,359, May 13.

Bata, narodni podnik, assignee: *See*—
Moravec, Jan.

Batson-Cook Company, assignee: *See*—
Ball, Gaines L.

Batten, Percy H., trustee, assignee: *See*—
Boestad, Gustav K. W.

Bauberger, Charles W., Malverne, N. Y. Hot and cold water mixing faucet with single handle. 2,596,464, May 13.

Baxter, James G., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Treating tocopherols. 2,596,090, May 13.

Bayer, Otto: *See*—
Rickert, Hans F., Stein, and Bayer.

Bayes, Charles A., Pettswood, England, assignor to Trico Products Corporation, Buffalo, N. Y. Windscreen wiper. 2,596,197, May 13.

Bean, Frederic R.: *See*—
Vaughn, Remsen S., and Bean.

Beckwith Manufacturing Company, assignee: *See*—
Ernst, Wentworth A.

Bègue, Alcippe, La Plaine des Palmistes, Ile de la Reunion. Motor fuels. 2,596,198, May 13.

Behmer, Eugene A.: *See*—
Miller, Clifford O., and Behmer.

Beijers, Hugo G.: *See*—
Six, Willem, Beijers, and te Winkel.

Bell & Gossett Company, assignee: *See*—
Arbuckle, Lawrence L.
Gardner, Donald B.
Smith, Lawrence J.

Bell, Jerome B., Wallingford, Pa. Stepladder. 2,596,521, May 13.

Bell, John F., Glenview, and A. Cotsworth, III, Oak Park, Ill., assignors to Zenith Radio Corporation. Frequency converter system. 2,596,117, May 13.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bennett, William R.
Kock, Winston E.
Michael, Henry J., and Whitney.
Robertson, Sloan D.
Teal, Gordon K.

Bendix Aviation Corporation, assignee: *See*—
Blancher, Donald W.
Stamper, Hamilton A.

Benge, Cleave R., Benkelman, Nebr. Snap-on line guide for fishing poles. 2,596,835, May 13.

Benjamin Electric Manufacturing Company, assignee: *See*—
Leinen, Arthur P.

Bennett, Alva H.: *See*—
Tillyer, Edgar D., and Bennett.

Bennett, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Error correction in sequential code pulse transmission. 2,596,199, May 13.

Bentley, Clarence, assignee: *See*—
Robbins, Winnie D.

Bergstrand, Andrew P.: *See*—
Olson, Carl S., and Bergstrand.

Berlin & Jones Co., Inc., assignee: *See*—
Halahan, John, Aronson, and Lyon.

Berman, Edith A., Washington, D. C. Self-elevated lap desk. 2,596,094, May 13.

Berry, Frank, Corinth, Miss., assignor, by mesne assignments, to Oliver Iron and Steel Corporation, Pittsburgh, Pa. Refrigerator compressor. 2,596,640, May 13.

Bert, Raymond E., and J. L. Wetta, Maize, Kans. Cutter bar mounting and control for crop cutting vehicles. 2,596,641, May 13.

Bestian, Herbert, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany. Polyvalent alkylene imine esters and preparing them. 2,596,200, May 13.

Bethke, Clarence E., Milwaukee, Wis. Illuminated gun sight. 2,596,522, May 13.

Bethlehem Steel Company, assignee: *See*—
Penrod, Robert E.
Zollinger, Walter H.

Bina, Stanley J., Grand Forks, N. Dak. Portable large roll paper holder and cutter. 2,596,095, May 13.

Birmingham Fabricating Company, assignee: *See*—
White, Francis E.

Bischoff, Alfred F., Ballston Spa, and K. L. Boring, Schenectady, N. Y., assignors to General Electric Company. Recording device. 2,596,118, May 13.

Bissell Carpet Sweeper Company, assignee: *See*—
Pullen, Fred W.

Blackman, Alexander, assignor of one-half to J. C. Hare, New Orleans, La. Master cylinder structure for hydraulic brake systems. 2,596,119, May 13.

Blakeway, Richard S., Victoria, New South Wales, Australia. Fuel pump. 2,596,360, May 13.

Blancher, Donald W., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Displacement indicating apparatus. 2,596,361, May 13.

Blanco, Elias, assignee: *See*—
Witte, James G.

Bocchino, Roger, Paris, France. Artificial decoy fish. 2,596,201, May 13.

Boeing Airplane Company, assignee: *See*—
Williams, Robert L., Lammers, and Zipp.

Boestad, Gustav K. W., Lidingo, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Heat exchanger. 2,596,642, May 13.

Bolte, Frank B., Los Angeles, Calif. Self-aligning controlled friction bearing. 2,596,202, May 13.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Peripherally reinforced sheet metal table top construction. 2,596,465, May 13.

Booth, James H., Venice Township, Shiawassee County, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Lock joint for tie rod and end assemblies. 2,596,885, May 13.

Borg-Warner Corporation, assignee: *See*—
Tann, Fred A.

Borglin, Joseph N., Wilmington, Del., and P. A. Ray, Denver, Colo., assignors to Hercules Powder Company, Wilmington, Del. Hydrorosin acid salts in the emulsion polymerization of styrenes. 2,596,886, May 13.

Boring, Kenneth L.: *See*—
Bischoff, Alfred F., and Boring.

Borkoski, Leon P., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Vacuum cleaner dust bag. 2,596,806, May 13.

Bornemann, William: *See*—
Tuttle, Fordyce E., and Bornemann.

Bossart, Adolf, assignor to O. Frischknecht, St. Gallen, Switzerland. Closing device for paper bags. 2,596,923, May 13.

Bouchard, François P., Timmins, Ontario, Canada. Drill remover. 2,596,809, May 13.

Bowden, James H., assignor to National Cylinder Gas Company, Chicago, Ill. Flux for lead burning and making same. 2,596,466, May 13.

Bower, Andrew W.: *See*—
Schroeder, John A., and Bower.

Bowling, Roy, assignee: *See*—
Hudson, Clifford C.

Boyett, Jesse B., Sr., Nashville, Ga. Transmission unit. 2,596,643, May 13.

Boyle, Thomas C., Altadena, Calif. Variable length torpedo head. 2,596,120, May 13.

Brace, George A., Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigerator and control mechanism therefor. 2,596,523, May 13.

Bradford, Eliot B., Silver Spring, Md., A. Africano, Caldwell, N. J., and C. N. Hickman, Jackson Heights, N. Y., assignors to the United States of America as represented by the Secretary of War. Automatically detachable flashless nozzle for rockets. 2,596,644, May 13.

Bradley, Theodore F.: *See*—
Newey, Herbert A., Shokal, and Bradley.
Tess, Roy W. H., Jakob, and Bradley.

Bradney, Clifford H.: *See*—
Halpern, Alfred, and Bradney.

Brandt, Axel H., Virginia, and A. J. Raasch, Mountain Iron, Minn. Safety device for cable tool drilling rigs. 2,596,362, May 13.

Brandvold, Carl S., Cut Bank, Mont. Auto tire nonskid device. 2,596,096, May 13.

Branson, Paul: *See*—
Warren, Dennis E., and Branson.

Bréguet, Louis, Paris, France. Power transmission means for coaxial gyroplane rotors. 2,596,363, May 13.

Brennan, Joseph B., Bratenahl, Ohio. Preparing a blank for a conically shaped diaphragm. 2,596,364, May 13.

Brennan, Joseph B., Cleveland, Ohio. Making acoustic diaphragms. 2,596,645, May 13.

Bresnahan, James E., Fitzsimons, Colo. Grooving attachment for resawing machines. 2,596,365, May 13.

Bridwell, Gail L., Santa Ana, Calif. Portable power saw guide and supporting means. 2,596,524, May 13.

Bridwell, John W., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. One-way band brake. 2,596,203, May 13.

Briggs, Thomas H., Jr., Norristown, assignor to Superior Tube Company, Philadelphia, Pa. Tubular metal-to-glass sealing construction. 2,596,758, May 13.

British Electric Resistance Company Limited, The, assignee: *See*—
Newnham, Leonard A.

British Industrial Solvents Limited, assignee: *See*—
Chadwick, Eric.

Brixius, Jacob K.: *See*—
Hanneman, Robert G., and Brixius.

Brixius, Jacob K., assignor to Air-Maze Corporation, Cleveland, Ohio. Stack-type oil bath filter. 2,596,121, May 13.

Brockett, Glenn F., assignor to Fisher Governor Company, Marshalltown, Iowa. Snap acting pneumatic pressure pilot. 2,596,366, May 13.

Broussard, Robert, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill. Parking meter and coin slot therefor. 2,596,122, May 13.

Broussard, Robert, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill. Parking meter and coin slot therefor. 2,596,123, May 13.

Broussard, Robert, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill. Parking meter. 2,596,124, May 13.

Brown, Guy E., Houston, Tex., assignor of one-half to H. J. Eastman, Denver, Colo. Borehole inclination indicating device. 2,596,759, May 13.

Browne, Kenneth A., Lakewood, Ohio, assignor to Curtiss-Wright Corporation. Transmission and one-way clutch therefor. 2,596,367, May 13.

Browning, Roscoe: *See*—
Francis, George C., and Browning.

Bruhl, Louis R., Chicago, Ill. Glare shield. 2,596,836, May 13.

Brundage, Clinton F., Macedon, assignor to Graflex, Inc., Rochester, N. Y. Photoflash bulb supporting and ejecting means. 2,596,887, May 13.

Brunton, Ray M., Long Beach, Calif. Differential pressure relief valve. 2,596,368, May 13.

Brush Development Company, The, assignee: *See*—
Lynch, Thomas E.

Bryant, Samuel D., Philadelphia, Pa. Mechanism to level and erect seat backs. 2,596,760, May 13.

Bryson, Lawrence D., Connellsville, Pa. Adjustable gauge. 2,596,204, May 13.

Buchi, Alfred, Winterthur, Switzerland. Outlet guiding arrangement. 2,596,646, May 13.

Buchi, Alfred, Winterthur, Switzerland. Outlet guiding arrangement. 2,596,647, May 13.

Buckens, William T., Bridgeport, Conn. Device with adjustable bearings for opening envelopes. 2,596,467, May 13.

Buelow, Herman, Chicago, Ill. Trouser pocket structure. 2,596,525, May 13.

Bugg, Kenly C., and H. L. Hart, Fort Wayne, Ind.; said Hart assignor to said Bugg. Balance reel. 2,596,648, May 13.

Bulova Watch Company, Inc., assignee: *See*—
Punzmann, Carl.

Burge, James S.: *See*—
Foust, Floyd J., Shaw, McKee, Rider, and Burge.

Burger, Joseph F., executor: *See*—
Ducker, Louis F.

Burkhart, Charles, Kansas City, Mo. Apparatus for illumination of scale dials. 2,596,810, May 13.

Burnham, Harry C., Portland, Oreg. Lawn mower sharpener. 2,596,098, May 13.

Burt, Stuart D., Jr., assignor to Drapery Hardware Company, Ltd., Monrovia, Calif. Combined curtain rod and bracket assembly. 2,596,369, May 13.

Burton, Edward F.: *See*—
Wickham, Hull, Burton, and Mason.

Busfield, Gordon, Annandale, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,596,526, May 13.

Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Cam and pawl transfer mechanism. 2,596,370, May 13.

Bushong, Tolbert C., Waveland, Ind. Rotary hoe wheel. 2,596,527, May 13.

Butler, William L., Schenectady, N. Y., assignor to General Electric Company. Eddy current disk mechanism. 2,596,649, May 13.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Partitioned tray or holder. 2,596,205, May 13.

Cadman, Frank B.: *See*—
Watts, William J., and Cadman.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of acrylonitrile and N-allyl and N-2-methallyl acylamides. 2,596,650, May 13.

California Research Corporation, assignee: *See*—
Rohrback, Gilson H., Stoner, Macaulay, and Cardwell.

Callahan, Ezra L., Inglewood, Calif. Transit. 2,596,468, May 13.

Calonico, James T.: *See*—
Carpenter, Arthur H., and Calonico.

Calvert, Gresham, Aptos, Calif. Heater element. 2,596,837, May 13.

Cambridge Manufacturing Corporation, assignee: *See*—
Goderes, Carl.

Cameron Machine Company, assignee: *See*—
Carter, Thomas N.

Campbell, Charles R., Jr., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Through-feed staking machine. 2,596,125, May 13.

Canada Packers Limited, assignee: *See*—
Hincks, William J.

Cardwell, William T. Jr.: *See*—
Rohrback, Gilson H., Stoner, Macaulay and Cardwell.

Carhart, Homer W., Washington, D. C., and P. C. Teague, Forest Hills, Md. Separating diaryl-2-imino hydantoins from the corresponding 2,5-di-imino glycolurils. 2,596,126, May 13.

Carl Art, Inc., assignee: *See*—
Volk, Paul F.

Carlson, Orlyn M., Chicago, Ill. Easel for photographic enlargers. 2,596,811, May 13.

Carlson, Vernon E., Camp Hill, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector having coaxial barrels of different diameters. 2,596,528, May 13.

Carmean, Gladys M., Los Angeles, Calif. Sanitary belt. 2,596,127, May 13.

Carnes, Fred D., Fort Worth, Tex., assignor to Flexible Road Joint Machine Company, Warren, Ohio. Dowel bar installing device. 2,596,206, May 13.

Carpani, Joseph, Camden, N. J. Fire extinguisher for motor vehicles. 2,596,761, May 13.

Carpenter, Arthur H., Newman, and J. T. Calonico, Gustine, Calif.; and Calonico assignor to F. A. Patchett, Newman, Calif. Air cooler. 2,596,324, May 13.

Carpenter, Otis R., and F. W. Armstrong, Jr., Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Automatic welding apparatus. 2,596,951, May 13.

Carson, William W., Jr., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Water heater control. 2,596,812, May 13.

Carter Carburetor Corporation, assignee: *See*—
Baisch, John C.

Carter, Latt J., Kannapolis, N. C. Shuttle box for looms. 2,596,651, May 13.

Carter, Thomas N., Bayside, assignor to Cameron Machine Company, Brooklyn, N. Y. Winding machine. 2,596,208, May 13.

Cartheuser, William H., Sherman Oaks, Calif. Comb. 2,596,207, May 13.

Carver, George P., Northridge, and P. L. Pike, Van Nuys, Calif. Bulk delivery system for drop delivery bins. 2,596,838, May 13.

Case, J. I., Company, assignee: *See*—
Krause, Norman R.

Caterpillar Tractor Co., assignee: *See*—
Bridwell, John W.
Willie, Carl H., and Snowden.

Celanese Corporation of America, assignee: *See*—
Dort, Robert G.
Storey, Alvin B.

Cerny, Joseph J., Chicago, Ill. Making electrical resistors. 2,596,325, May 13.

Chadwick, Eric, Carshalton, assignor to British Industrial Solvents Limited, London, England. Lead, cobalt and manganese salts of 2,4,4-trimethyl valeric acid. 2,596,371, May 13.

Chapin, Earl C.: *See*—
Nielsen, Morris L., Arnold, and Chapin.

Chatsworth Manufacturing Co., assignee: *See*—
Phelps, William M.

Chausson, Gaston, assignor to Societe Anonyme Des Usines Chausson, Asnieres, France. Variable flexibility suspension device for vehicles. 2,596,209, May 13.

Chavannes, Marc A., New York, N. Y., and J. C. Elliott, Madison, Wis., assignors, by mesne assignments, to Chavannes Synthetic Fibres, Inc. Method and apparatus for producing fine fibers. 2,596,128, May 13.

Chavannes Synthetic Fibres, Inc., assignee: *See*—
Chavannes, Marc A., and Elliott.

Chvilicek, Vladimir L., Racine, Wis. Attachment for portable typewriters. 2,596,652, May 13.

Cities Service Oil Company, assignee: *See*—
Moyer, Melvin I., and Hersh.

Clague, James D., Livonia, and M. R. Anstice, Sr., Rochester, N. Y., assignors, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Dish flushing and washing device. 2,596,653, May 13.

Clark Equipment Company, assignee: *See*—
Lapsley, Robert.

Clark, James A., Takoma Park, and F. H. Ferguson, Forestville, Md., assignors to Ahrendt Instrument Company, Washington, D. C. Magnetic clutch. 2,596,654, May 13.

Clark, John T.: *See*—
Johnson, Carroll W., and Clark.

Clark, John W., Washington, D. C. Razor blade holder. 2,596,372, May 13.

Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Treatment of wells. 2,596,844, May 13.

Clark, Joseph B., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Treatment of wells. 2,596,845, May 13.

Clarke, Howard F., Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration measuring device. 2,596,529, May 13.

Clarke, Howard F., Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration measuring device. 2,596,530, May 13.

Clarke, Howard F., Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration measuring device. 2,596,531, May 13.

Clausen, Albert P., Los Angeles, Calif. Fluidtight detachable coupling for tank sections. 2,596,839, May 13.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Fabric belt hoist. 2,596,326, May 13.

Coffing Hoist Company, assignee: *See*— Coffing, Frederick W.

Coghall, Morry L., Dalhart, Tex. Control outlet for vacuum cleaning systems. 2,596,210, May 13.

Cohn, Charles C., Elkins Park, assignor to S. L. Cohn and C. C. Cohn, copartners trading and doing business as Colonial Alloys Company, Philadelphia, Pa. Zipper and producing the same. 2,596,888, May 13.

Cohn, Samuel L., assignee: *See*— Cohn, Charles C.

Collins, Walter C., assignee: *See*— Opp, Fred W.

Colonial Alloys Company, assignee: *See*— Cohn, Charles C.

Colonial Broach Company, assignee: *See*— Jessup, James L.

Colvin, Clifford, Detroit, Mich., assignor to G. M. Holley and E. Holley. Electrical ignition control. 2,596,840, May 13.

Combs, Charles S.: *See*— Gosling, John W., and Combs

Comfort, Lydia E. J., Minneapolis, Minn. Cast-sock. 2,596,211, May 13.

Commonwealth Research Laboratories, assignee: *See*— Asaff, Annis G.

Concentric Manufacturing Co. Limited, assignee: *See*— Elvis, Wilfred H.

Condon, Francis E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of pinacolone. 2,596,212, May 13.

Cone Automatic Machine Company, Inc., assignee: *See*— Ranney, Herbert H.

Conner, Guy O., East Cleveland, Ohio. Die aligner. 2,596,213, May 13.

Consolidated Packaging Machinery Corporation, assignee: *See*— Gantzer, Howard E.

Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*— Redlich, Solomon.

Converse, Edwin C., Rialto, Calif. House trailer dolly. 2,596,655, May 13.

Coolidge, William N., and F. W. Geiger, Cincinnati, Ohio. Hydraulic jack operated valve and attachment. 2,596,532, May 13.

Cooper, Dexter P., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Tantalum carbide filament electric lamp containing hydrogen-volatile hydrocarbon mixture. 2,596,469, May 13.

Coote, Jack H., and A. P. Jenkins, assignors to Dufay-Chromex Limited, London, England. Film printing machine. 2,596,373, May 13.

Corkran, Dudley C., assignor to Charles F. Orvis Co., Inc., Manchester, Vt. Fly box. 2,596,214, May 13.

Cornelius, Edward B.: *See*— Weidman, Walter L., Shabaker and Cornelius.

Costner, Clarence J., assignor to Ideal Machine Shops Inc., Bessemer City, N. C. Dynamic flyer balancing apparatus. 2,596,762, May 13.

Cotsworth, Albert, III: *See*— Bell, John F., and Cotsworth.

Cottrel, Ralph, assignor of one-third to A. L. Pachin and one-third to F. R. Pachin, Dayton, Ohio. Bottle carrier. 2,596,533, May 13.

Cox, Robert, and H. Sipkes, Ijmuiden, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Electric heater. 2,596,327, May 13.

Crake, Wilfred S. E., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Wide range flow control valve. 2,596,534, May 13.

Crane, Carlton L., assignor to Eastman Kodak Company, Rochester, N. Y. Precipitating high acetyl cellulose acetate. 2,596,656, May 13.

Crapster, Bowie C., Salem, Ohio. Time indicating key holder. 2,596,374, May 13.

Craver, John K.: *See*— Gamrath, Harry R., and Craver.

Craver, Thomas W., executor: *See*— Mirfield, George B.

Crawford Door Company, assignee: *See*— Robinson, Lowell V.

Crawford, Ray, assignee: *See*— Robbins, Winnie D.

Cristiani, Luigi, Florence, Italy. Device for four-color stereoscopic cinematography based on additional synthesis. 2,596,129, May 13.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Roller machine for the molding of dough and other plastic substances. 2,596,215, May 13.

Crowley, Charles T., Baltimore, Md. Salt cellar having absorbent cartridge. 2,596,763, May 13.

Crowther, Edmond C., Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill. Expansion insert. 2,596,952, May 13.

Crum, Stephen, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control switch. 2,596,657, May 13.

Cunningham, Earl C., Waco, Tex. Manually operated telemetric gun control system. 2,596,130, May 13.

Curtis, Arthur J., Walla Walla, Wash. Automatic hydraulic duplicating machine. 2,596,889, May 13.

Curtis, Horace L., Gilford, assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting mechanism. 2,596,535, May 13.

Curtiss-Wright Corporation, assignee: *See*— Browne, Kenneth A.

Dale, Colin B., Barrington, assignor to Webster-Chicago Corporation, Chicago, Ill. Wire recorder. 2,596,536, May 13.

Dalton, Neville J.: *See*— Densmore, Richard M., and Dalton.

Dan River Mills, Incorporated, assignee: *See*— Womble, Glenn F.

Dana Corporation, assignee: *See*— Zieg, Clifford V., Jr.

Daniels, Gordon E., assignor to Kerrigan Iron Works, Inc., Nashville, Tenn. Stamping and assembling multipart conductor clamps. 2,596,375, May 13.

Darby, William S., Baltimore, Md., and P. B. Thomas, Philadelphia, Pa., said Darby assignor to said Thomas. Combination hookholder and pocket construction. 2,596,131, May 13.

Davidson, Robert G., Chicopee Falls, assignor to Noble Manufacturing Co. Inc., Haydenville, Mass. Rifle with integral breech bolt and magazine. 2,596,841, May 13.

Davies-Young Soap Company, The, assignee: *See*— Trusler, Ralf B.

Dawson, Clifford F., Wallingford, Vt. Worm simulating toy. 2,596,216, May 13.

Daystrom Electric Corporation, assignee: *See*— Nygaard, Herman.

D'Azzo, Errol P., New York, N. Y. Awning supporting plate and adjustable wall bracket. 2,596,658, May 13.

Dearborn Chemical Company, assignee: *See*— Gunderson, Lewis O.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Nonionic surface-active agents. 2,596,091, May 13.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Bis alkylbenzyl ethers of polyethylene glycols. 2,596,092, May 13.

De Benneville, Peter L., assignor to Rohm & Haas Company, Philadelphia, Pa. Surface-active polyglycol ethers. 2,596,093, May 13.

Dechert, George W., Chicago, Ill. Writing pad for temporary notations. 2,596,890, May 13.

Deere Manufacturing Co., assignee: *See*— Skromme, Arnold B.

De Frees, Joseph H., Warren, Pa. Expanding plug for gate valves. 2,596,891, May 13.

De Fremery, Frank, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rotating radio beacon. 2,596,537, May 13.

De Goeij, Henricus J. A., Overveen, assignor, by mesne assignments, to N. V. Exploitatie Maatschappij "Quod Bonum," Amsterdam, Netherlands. Photographic reproduction apparatus with constant exposure time regardless of the scale of reproduction. 2,596,376, May 13.

De Goeje, Michael J., Zaandam, Netherlands. Picking of granular products. 2,596,470, May 13.

De Koning, Cornelis: *See*— Van Loon, Carel J., de Koning and de Vroome.

De Laval Separator Company, The, assignee: *See*— Streszynski, George J.

Delaware Engineering Corporation, assignee: *See*— Moore, William E.

De Marchi, Vincent S.: *See*— Nichols, Joseph, and De Marchi.

Dendy, Tally M., assignor of one-third to S. B. Key and one-third to V. Vance, Jackson, Miss. Combined toothbrush holder and powder dispenser. 2,596,217, May 13.

Dennis, Charles W., Brooklyn, N. Y. Telescoping box. 2,596,218, May 13.

Densmore, Richard M., South Gate, and N. J. Dalton, Huntington Park, Calif. Variable-stop hydraulic system. 2,596,471, May 13.

Derman, Harry, Great Neck, N. Y. Surface covering materials. 2,596,377, May 13.

Despres, Jeannette L., Los Angeles, Calif. Shoulder frame. 2,596,842, May 13.

Detrex Corporation, assignee: *See*— Dinley, Clarence F.

D'Eustachio, Dominic, Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Making cellular glass having intercommunicating cells. 2,596,659, May 13.

De Vaney, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Iron ore concentrate pellets. 2,596,132, May 13.

Development Corporation, Inc., assignee: *See*— Thomas, Frank S., Jr.

De Vroome, Marten: *See*— Van Loon, Carel J., de Koning and de Vroome.

Dicke, Allen A., assignee: *See*— Dicke, Robert H.

Dicke, Robert H., Princeton, assignor of one-half to A. A. Dicke, Montclair, N. J. Power transmission. 2,596,538, May 13.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Nitrodiphenylamine phosphorus dye compounds. 2,596,660, May 13.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for transmitting or generating electrical oscillations of ultrahigh frequency. 2,596,539, May 13.

Dietz, Victor H., Ypsilanti, Mich. Dental sterilizer. 2,596,219, May 13.

Dill Manufacturing Company, The, assignee: *See*— Krohn, Harry W., Jr.

Dinley, Clarence F., assignor to Detrex Corporation, Detroit, Mich. Straining means. 2,596,661, May 13.

Dippel, Muriel C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Self-sealing bag for separating dust from an air stream. 2,596,807, May 13.

Dobbins, David T., Los Angeles, Calif. Helicopter blade pitch control mechanism. 2,596,378, May 13.

Dodds, Robert B., Woodbridge, assignor to The Safety Car Heating and Lighting Company, Inc., New Haven, Conn. Grain flow control. 2,596,220, May 13.

Dodge, Adiel Y., Rockford, Ill. Brake. 2,596,379, May 13.

Dodge, Adiel Y., Rockford, Ill. Brake wear take-up. 2,596,380, May 13.

Donahue, Benjamin H., and F. H. Gallimore, Pubelo, Colo. Attachment for cutting torches. 2,596,133, May 13.

Dorr Company, The, Assignee: *See*— Heath, Thomas D. MacAfee, Merrill W. McKay, James B., and Thompson. Scott, Charles H.

Dorsey, Dennis B., Chicago, Ill. Camera exposure control. 2,596,328, May 13.

Dorst, Stanley O., assignor to Sprague Electric Company, North Adams, Mass. Effecting end seals for condensers. 2,596,134, May 13.

Dort, Robert G., Summit, N. J., assignor to Celanese Corporation of America, New York, N. Y. Yarn manufacturing. 2,596,221, May 13.

Dotti, Euterio Lorenzo, assignee: *See*— Dotti, José.

Dotti, José, assignor to Euterio Lorenzo Dotti, Santa Fe, Argentina. Textile machine. 2,596,764, May 13.

Doty, Spencer, Floral Park, assignor to C. A. Gehnrich and H. G. Gehnrich, doing business as Woodside Smokehouse Company, Woodside, N. Y. Method and apparatus for curing meat products. 2,596,381, May 13.

Double J Manufacturing Company Inc., assignee: *See*— Jack, John M., Webb, and Jefferson.

Douglas Aircraft Company, Inc., assignee: *See*— Ide, Howard J. Wickham, Hull, Burton, and Mason.

Dow Chemical Company, The, assignee: *See*— Kagy, John F., and McPherson. Kirk, Elmer L.

Dowling, Andrew J., and E. Urbanski, Philadelphia, Pa. Filling apparatus. 2,596,135, May 13.

Doyle, Irving W., Massapequa, and C. V. Johnson, Kew Gardens, assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Electrically operated aerial camera having hinged magazine sections. 2,596,222, May 13.

Drapery Hardware Company, Ltd., assignee: *See*— Burt, Stuart D., Jr.

Dubner, Harry Jay, New York, N. Y. Undergarment waistline midriff girdle. 2,596,765, May 13.

Duchacek, Charles F.: *See*— Robertson, Donald W., and Duchacek.

Ducker, Louis F., deceased, Orlando, Fla.; J. F. Burger, executor, assignor of one-half to P. H. Dux, Jacksonville, Fla. Preparing an edible product. 2,596,662, May 13.

Dufay-Chromex Limited, assignee: *See*— Coote, Jack Howard, and Jenkins.

Duffy, Alice, Bronx, N. Y. Collapsible interlocking extensible table. 2,596,663, May 13.

Dugdale, Robert, Chicago, Ill. Line drier reel. 2,596,766, May 13.

Duke, Charles A., San Antonio, Tex. Nutcracker. 2,596,382, May 13.

Duncan Parking Meter Corporation, assignee: *See*— Broussard, Robert.

Dünfründ, Emil, Cologne-Ehrenfeld, Germany. Sprinkling bottle or spray. 2,596,097, May 13.

Dunham, Delbert F., Long Beach, Calif. Sprinkler head. 2,596,383, May 13.

Dunmire, Russell Paul, Orange, Ohio. Filter. 2,596,384, May 13.

Dupure, Ford J., assignee: *See*— McGarvey, Robert W.

Durham, Dorothy A. and H. N., New York, N. Y. Bottle warmer. 2,596,664, May 13.

Durham, Hobart N.: *See*— Durham, Dorothy A. and H. N.

Dux, Petronella H., assignee: *See*— Ducker, Louis F.

Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Condenser lens mount. 2,596,665, May 13.

Eastern Jewelry Finding Works, Inc., assignee: *See*— Hoeckele, Karl F.

Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Control apparatus for power-operated gun mounts, 2,596,223, May 13.

Eastman, H. John, assignee: *See*— Brown, Guy E.

Eastman Kodak Company, assignee: *See*— Baxter, James G. Caldwell, John R. Crane, Carlton L. Dickey, Joseph B. Eagle, John H. Ewald, William P. Fuerst, Carl C. Gosling, John W., and Combs. Hagemeyer, Hugh J., Jr. Macleish, Kenneth G. Nadeau, Gale F., and Starck. Tuttle, Fordyce E., and Bornemann. Tyler, Arthur W., and O'Neal. Vaughn, Remsen S., and Bean. Yackel, Edward C. Young, Richard V., and Weissberger. Yutzy, Henry C., and Yackel.

Eastwood, Eva, executrix, assignee: *See*— Eastwood, James.

Eastwood, James, deceased, Methuen, Mass.; E. Eastwood, executrix, assignor to E. Eastwood. Wool combing machine. 2,596,540, May 13.

Eaton Manufacturing Company, assignee: *See*— Gamundi, Reynold F.

Eaton, Wilfred A., and R. S. Sanford, Oakville, Conn., assignors, by mesne assignments, of one-half to Ex-Cello-O Corporation, Detroit, Mich., and one-half to a group comprising A. C. Fessenden and Ace Carton Corporation, Chicago, Ill. Paper Container. 2,596,224, May 13.

Eaton, Wilfred A., Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., and one-half to a group comprising A. C. Fessenden, and Ace Carton Corporation, Chicago, Ill. Container. 2,596,225, May 13.

Eckmayer, Nicholas S., Chicago, Ill. Can opener. 2,596,892, May 13.

Edgar, Robert F., Pattersonville, and L. Levine, Albany, N. Y., assignors to General Electric Company. Float device. 2,596,666, May 13.

Edmonds, Albert H.: *See*— Waddell, Homer J., and Edmonds.

Egbert, Ada Elizabeth, Los Angeles, Calif. Accessory heater device usable on cooking stove burner. 2,596,329, May 13.

Egge, Klaus, Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for turning sheets down successively from a tilted pile thereof. 2,596,385, May 13.

Egge, Klaus, Pittsburgh, Pa., assignor to United States Steel Company. Apparatus for tilting a pile of material. 2,596,386, May 13.

Eisenberg, Sidney J., assignee: *See*— Rose, Abe.

Eldridge, George C., Jr., Wenonah, N. J. Device for producing motion. 2,596,226, May 13.

Electrographic Corporation, assignee: *See*— Oettinger, Henry, Jr.

Electrolux Corporation, assignee: *See*— Borkoski, Leon P. Dippel, Muriel C. Lofgren, Gustaf E.

Ellinger, Flora H., Chicago, Ill. Dishwashing spray head. 2,596,387, May 13.

Elliott, John C.: *See*— Chavannes, Marc A., and Elliott.

Elvis, Wilfred H., assignor, by mesne assignments, to Concentric Manufacturing Co. Limited, Birmingham, England. Machine for molding pies. 2,596,388, May 13.

Emhart Manufacturing Company, assignee: *See*— Wimmer, Ludwig.

Ercolino, Michael D., Wanamassa, N. J. Television antenna. 2,596,389, May 13.

Ergen, William K., Moorestown, N. J., assignor to Radio Corporation of America. Wind data computer. 2,596,472, May 13.

Erickson, Reinhold W., Cleveland, Ohio. Shear pivot. 2,596,767, May 13.

Erie Mining Company, assignee: *See*— De Vaney, Fred D.

Erlez Manufacturing Company, assignee: *See*— Hoff, Ronald C.

Ernst, Earl A., Bakersfield, Calif. Automatic measuring and bagging machine for produce. 2,596,768, May 13.

Ernst, Wentworth A., Hudson, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Thermostiffening sheet material and making same. 2,596,136, May 13.

Espey, George B., and G. D. Waite, Cleveland, Ohio. Fishing lure. 2,596,474, May 13.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Vehicle wheel mounting. 2,596,390, May 13.

Essick, Bryant, assignor to Essick Manufacturing Company, Los Angeles, Calif. Tractor sprayer. 2,596,473, May 13.

Essick Manufacturing Company, assignee: *See*— Essick, Bryant.

Etched Products Corporation, assignee: *See*— Penker, Ernest.

Evans, Richard H., and L. P. Purple, London, England, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Furnace chamber. 2,596,953, May 13.

Evans, William I., assignee: *See*— Witte, James G.

Everard, Joseph J., Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Time switch. 2,596,330, May 13.

Ewald, William P., assignor to Eastman Kodak Company, Rochester, N. Y. Transparency inserting and positioning device. 2,596,667, May 13.

Ex-Cell-O Corporation, assignee: *See*— Eaton, Wilfred A. Eaton, Wilfred A., and Sanford.

Fahrenkrog, Albert W., Bunker Hill, Ill. Hay handling apparatus. 2,596,668, May 13.

Fairchild Camera and Instrument Corporation, assignee: *See*— Doyle, Irving W., and Johnson. Shannon, William W.

Falcon Products, Inc., assignee: *See*— Wellington, Welton G.

Falk Corporation, The, assignee: *See*— Schmitter, Walter P.

Farbenfabriken Bayer, assignee: *See*— Rickert, Hans F., Stein, and Bayer.

Farbwerke Hoechst vormals Meister Lucius & Bruning, assignee: *See*— Bestian, Herbert.

Farinelli, Aldo, Turin, Italy. Auxiliary motor for bicycles. 2,596,391, May 13.

Farquharson, Glen D., Guthrie, Okla. Garbage can support. 2,596,541, May 13.

Farris, Riley F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Fracturing formations in wells. 2,596,843, May 13.

Fast, Clarence R., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Removing deposits from wells. 2,596,137, May 13.

Feigelson, Julius Z., Beaumont, Tex. Portable crane. 2,596,846, May 13.

Feiner, Nathaniel, and S. H. Gershater, assignors to Functional Music, Inc., Chicago, Ill. Amplifier with muting means. 2,596,138, May 13.

Fellows Gear Shaper Company, The, assignee: *See*— Miller, Edward W.

Ferguson, Frank H.: *See*— Clark, James A., and Ferguson.

Ferguson, Kenneth C., assignor to Inland Container Corporation, Indianapolis, Ind. Severable multiple unit case. 2,596,331, May 13.

Fernsler, George L., Lawrenceville, N. J., assignor to Radio Corporation of America. Frequency-modulated oscillator. 2,596,227, May 13.

Fessenden, Ace C., assignee: *See*— Eaton, Wilfred A. Eaton, Wilfred A., and Sanford.

Fessler, Julius H., Berkeley, Calif. Wine filtration. 2,596,392, May 13.

Finizie, Edmond J., assignee: *See*— Finizie, Tomun.

Finizie, Tomun, assignor to E. J. Finizie, Bridgeport, Conn. Electric switch. 2,596,893, May 13.

Finnell, Russell D., Orange, Tex. Signal device for indicating overheated bearings and the like. 2,596,847, May 13.

Finneman, Tyko K., Portland, Oreg. Mortise butt hinge marker. 2,596,542, May 13.

Fisher Governor Company, assignee: *See*— Brockett, Glenn F.

Fitz Gerald, Harold G., Los Angeles, Calif. Attachment for opaque projection by transparency projectors. 2,596,393, May 13.

Fitz Gerald, Harold G., Los Angeles, Calif. Opaque projector with light hood. 2,596,394, May 13.

Fitz Gibbon, Ethel L., Pontiac, Mich. Curtain and making the same. 2,596,395, May 13.

Fletcher, Arthur P.: *See*— Greig, James W., and Fletcher.

Fletcher Aviation Corporation, assignee: *See*— Fletcher, Wendell S.

Fletcher, Wendell S., South Pasadena, assignor to Fletcher Aviation Corporation, Pasadena, Calif. Streamlined auxiliary fuel tank. 2,596,139, May 13.

Fletcher, William P., assignor to T. & T. Vicars Limited, Newton-le-Willows, England. Arranging device for flat articles. 2,596,228, May 13.

Flexible Road Joint Machine Company, assignee: *See*— Carnes, Fred D.

Flora, Laurence H., and C. A. Kelley, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Rotary attached fastener for securing objects to panels. 2,596,332, May 13.

Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Air bleed system for hydraulic table reciprocating mechanism. 2,596,475, May 13.

Flynn, John H., New Rochelle, N. Y. Dual pressure gas burner. 2,596,229, May 13.

Fogerite, Theresa, assignee: *See*— McEnroe, William J., Jr.

Folts, Ermald N.: *See*— Ahlstrom, Harvey D., and Folts.

Food Machinery and Chemical Corporation, assignee: *See*— Thompson, Albert R. Webb, Wells A.

Ford Motor Company, assignee: *See*— Groven, Fredrick J.

Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corp., Allegheny County, Pa. Making fortified cellular glass. 2,596,669, May 13.

Forstrom, Victor, Roundup, Mont. Can opener. 2,596,476, May 13.

Foster Wheeler Corporation, assignee: *See*— Sherman, Tracy H.

Fougera, E., & Co., Inc., assignee: *See*— Halpern, Alfred, and Bradney.

Foust, Floyd J., W. C. Shaw, H. J. McKee, W. M. Rider, and J. S. Burge, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Condenser testing system. 2,596,396, May 13.

Fox, Samuel, Baltimore, Md. Foldable basketball goal construction. 2,596,543, May 13.

Foxboro Company, The, assignee: *See*— Howe, Wilfred H.

Francis, George C., and R. Browning, Hampden, W. Va. Dust collector. 2,596,670, May 13.

Fredd, John V., assignor to Otis Pressure Control, Inc., Dallas, Tex. Tubing caliper with latch means. 2,596,924, May 13.

Freeberg, Benjamin F.: *See*— Smith, William M., Freeberg, and Tharp.

Frick, Chester A., Glendale, assignor to L. M. Harvey, Los Angeles, Calif. Coin-controlled machine for issuing folders. 2,596,230, May 13.

Frisch, Benjamin N., Baltimore, assignor to G. R. Auer, Towson, Md. Composite laminated lacrosse stick. 2,596,894, May 13.

Frischknecht, Otto, assignee: *See*— Bossart, Adolf.

Frischmann, Joseph A., and R. F. Oster, assignors to Towmotor Corporation, Cleveland, Ohio. Lift truck grab arm mechanism for cylindrical bodies. 2,596,477, May 13.

Frischmann, Joseph A., assignor to Towmotor Corporation, Cleveland, Ohio. Article gripping system for lift trucks. 2,596,895, May 13.

Frost, Arthur G., Flint, Mich. Variable-speed mechanism. 2,596,231, May 13.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter, including adjustable flash synchronizing means. 2,596,671, May 13.

Fuller, George: *See*— Williamson, Charles D., and Fuller.

Functional Music, Inc., assignee: *See*— Feiner, Nathaniel, and Gershater.

Gair, Robert, Company, Inc., assignee: *See*— Toronto, Thomas.

Gaiser, Romey A.: *See*— Watkins, George B., and Gaiser.

Gallimore, Frank H.: *See*— Donahue, Benjamin H., and Gallimore.

Gamrath, Harry R., St. Louis, and J. K. Craver, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Monoalkyl dicresyl phosphate esters. 2,596,140, May 13.

Gamrath, Harry R., St. Louis, and J. K. Craver, Webster Groves, assignors to Monsanto Chemical Company, St. Louis, Mo. Monoalkyl diphenyl phosphate esters. 2,596,141, May 13.

Gamundi, Reynold F., Mayfield Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Band brake. 2,596,544, May 13.

Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Material inserting machine. 2,596,813, May 13.

Gard, George E., and W. H. Phillips, assignors to Armstrong Cork Company, Lancaster, Pa. Mixer. 2,596,672, May 13.

Gardetto, Charles J., Milwaukee, Wis. Toy for dental engines. 2,596,232, May 13.

Gardner, Donald B., Oak Park, assignor to Bell & Gossett Company, Morton Grove, Ill. Pressure vessel. 2,596,233, May 13.

Gardner, James M.: *See*— Piper, Frank R., and Gardner.

Garey, Richard, Brooklyn, N. Y. Pressure rheostat. 2,596,673, May 13.

Gartenmann, Joseph, Zurich, Switzerland. Actuating mechanism for mechanical pencils. 2,596,234, May 13.

Gaudin, Olivier, Neuilly-sur-Seine, France. Amine salicylate ointment. 2,596,674, May 13.

Gehnrich, Charles A.: *See*— Doty, Spencer.

Gehnrich, Herman G., assignee: *See*— Doty, Spencer.

Geiger, Frank W.: *See*— Coolidge, William N., and Geiger.

Geiger, Lyle M., Edgewood, assignor to The Neville Company, Pittsburgh, Pa. Terpene-phenolic reaction product. 2,596,235, May 13.

General Aniline & Film Corporation, assignee: *See*— Gunther, Robert C., and Tulagin.

General Electric Company, assignee: *See*— Bischoff, Alfred F., and Boring. Butler, William L. Edgar, Robert F., and Levine. Hurd, Dallas T. Malutich, Harry S. Martin, Donald L. Murdock, Thomas B., and Ball. Page, Robert G. Vonnegut, Bernard. Williams, William D.

General Fireproofing Company, The, assignee: *See*— Swimmer, Albert T.

General Motors Corporation, assignee: *See*— Barcus, Edward L. Foust, Floyd J., Shaw, McKee, Rider and Burge. Kelley, Oliver K. Parkins, Albert W. Sampson, Frederick W. Schuldt, Howard J. Thoma, Louis.

General Precision Laboratory Incorporated, assignee: *See*— Mercier, Edward G. Zaleski, John F.

Gerhardt, Fred, assignor of one-half to B. Werfel, Fresno, Calif. Truck and trailer body. 2,596,478, May 13.

Gershater, Samuel H.: *See*— Feiner, Nathaniel, and Gershater.

Gerwin, Harry L., United States Navy, Washington, D. C. Signal generator. 2,596,142, May 13.

Giedd, Emanuel W., Sioux Falls, S. Dak. Plowshare. 2,596,769, May 13.

Gilbreath, Earl R., Washington, D. C. Cycle rate timer. 2,596,143, May 13.

Gilfillan Bros., Inc., assignee: *See*— Allebach, Karl A. Lindsay, William W., Jr.

Gilmore, William J., United States Navy, Adrian, Mich. Coupling for shock absorber cords. 2,596,144, May 13.

Giossi, Louis J., Brooklyn, N. Y. Soap tray. 2,596,675, May 13.

Glosier, Paul J., Maplewood, Mo. Electric outlet box. 2,596,236, May 13.

Goad, Percy J., Richmond Beach, Wash. Fishing leader holder. 2,596,896, May 13.

Gobatti, John: *See*— Miller, Boyd R., and Gobatti.

Goderez, Carl, Brooklyn, assignor to Cambridge Manufacturing Corporation, New York, N. Y. Door check and closer. 2,596,676, May 13.

Goldstine, Hallan E., Port Jefferson Station, N. Y., assignor to Radio Corporation of America. Heat radiator and antenna. 2,596,479, May 13.

Goodrich, B. F., Company, The, assignee: *See*— Ardi, Alan E. Hollerith, Charles. Krotz, Alvin S. Smith, Robert W. Stewart, Floyd D.

Gosling, John W., and C. S. Combs, assignors to Eastman Kodak Company, Rochester, N. Y. Making masks for photographic transparencies. 2,596,677, May 13.

Graflex, Inc., assignee: *See*— Brundage, Clinton F.

Green, Irvin B., Danville, Va. Shuttle guard. 2,596,545, May 13.

Green, Lee B., Lakewood, Ohio. Single and multiple bend tangent bending machine. 2,596,848, May 13.

Greene, Alphus, Twin Falls, Idaho. Rotatable turn indicating signal. 2,596,849, May 13.

Greener, Derrick: *See*— Naylor, Joseph F., and Greener.

Greig, James W., and A. P. Fletcher, assignors to Woodall Industries, Inc., Detroit, Mich. Sun visor. 2,596,397, May 13.

Griffin, Cecil, Sr., assignee: *See*— Griffin, Cleo D.

Griffin, Cleo D., assignor of fifty per cent to C. Griffin, Sr., Havana, Ill. Adjustable gate support. 2,596,850, May 13.

Grimes, Louis M., Chicago, Ill. Making embossed pressure-sensitive tape. 2,596,546, May 13.

Grip Nut Company, assignee: *See*— Abbott, Gail C.

Gross, Herbert R., Caldwell, and H. R. Massingham, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Mounting for circuit elements. 2,596,237, May 13.

Gross, William W., Jr., Tulare, S. Dak. Wild life chaser. 2,596,678, May 13.

Grote, Henry W., Downers Grove, assignor to Universal Oil Products Company, Chicago, Ill. Catalytically reforming hydrocarbons. 2,596,145, May 13.

Groven, Fredrick J., Highland Park, assignor to Ford Motor Company, Dearborn, Mich. Induction hardening fixture. 2,596,770, May 13.

Groves, Martin V., New Rochelle, assignor of one-half to A. Wilde and A. Hull-Ryde, Bayside, N. Y., jointly. Fluid power actuator. 2,596,238, May 13.

Guardian Electric Manufacturing Co., assignee: *See*— Schmidt, John.

Guest, Annie W., St. Kilda, Victoria, Australia. Bed or like covering. 2,596,547, May 13.

Guibord, Paul E. M., Montreal, Quebec, assignor of fifty per cent to L. H. Riddell, Ottawa, Ontario, Canada. Pyrophoric lighter. 2,596,548, May 13.

Gunderson, Lewis O., assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foam formation in steam generation. 2,596,925, May 13.

Gunther, Robert C., Easton, Pa., and V. Tulagin, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Preparation of azine dye images. 2,596,926, May 13.

Guptill, Ernest W., Montreal, Quebec, and W. H. Watson, Saskatoon, Saskatchewan, assignors to National Research Council, Ottawa, Ontario, Canada. Directive antenna for microwaves. 2,596,480, May 13.

Haatvedt, Ervin C., Brooklyn, N. Y., assignor to Visugage, Inc. Liquid level gauge. 2,596,897, May 13.

Habich, Robert C., Port Washington, assignor to The Norden Laboratories Corporation, White Plains, N. Y. Wave guide rotary joint. 2,596,398, May 13.

Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Making tetrapolyphosphoric phosphonates. 2,596,679, May 13.

Haines, Marcus W., Long Beach, assignor to Vernon Tool Co. Ltd., Alhambra, Calif. Well pumping system. 2,596,146, May 13.

Halahan, John, Jackson Heights, T. F. Aronson, Valley Stream, and F. A. Lyon, Brookville, assignors to Berlin & Jones Co., Inc., New York, N. Y. Thermosealing attachment. 2,596,680, May 13.

Halpern, Alfred and C. H. Bradney, assignor to E. Fougera & Co., Inc., New York, N. Y. Dietary salt substitute. 2,596,333, May 13.

Halstead, John P., Buffalo, N. Y. Copyholder. 2,596,239, May 13.

Hamilton, Bert C., assignor to Hamilton Tool Co. Inc., La Grande, Oreg. Multiple bushing replacer. 2,596,549, May 13.

Hamilton Tool Co. Inc., assignee: *See*— Hamilton, Bert C.

Hamilton Watch Company, assignee: *See*— Van Haaften, Egbert.

Hammett, Harry R., Bakersfield, Calif. Fire extinguishing apparatus. 2,596,399, May 13.

Hammon, George L., Berkeley, assignor to National Welding Equipment Co., San Francisco, Calif. Valve Packing assembly. 2,596,681, May 13.

Hampton, William and G. W. Neuhard, Dayton, Ohio. Telemetering system. 2,596,147, May 13.

Handley, John, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Cam actuated rotary indicator. 2,596,550, May 13.

Hanneman, Robert G., Shaker Heights, and J. K. Brixius, assignors to Air-Maze Corporation, Cleveland, Ohio. Baffle construction for oil bath filters. 2,596,148, May 13.

Hansen, John, Bettendorf, Iowa. Cutter blade. 2,596,851, May 13.

Hanson, Victor A., assignor to Precision Gear and Machine Co. Inc., Charlotte, N. C. Top roll structure. 2,596,334, May 13.

Harbour, Louis O., Royal Oak, Mich. Bushing and bearing spacer assembly for roller skate wheels. 2,596,771, May 13.

Hare, Joseph C., assignee: *See*— Blackman, Alexander.

Harris, Weldon W., Cisco, Tex. Motion-picture show time display device. 2,596,551, May 13.

Hart, Harry L.: *See*— Gugg, Kenly C., and Hart.

Hartford National Bank and Trust Company, trustee, assignee: *See*— De Fremery, Frank. Diemer, Gesinus. Overton, Bryan R. Posthumus, Klaas. Six, Willem, Beljers, and te Winkel. Van Loon, Carel J., de Koning, and de Vroome. Van Slooten, Jacob. Van Wageningen, Johan H.

Hartung, George A., Brookfield, Ill. Golf putting practice device. 2,596,682, May 13.

Harvard Apparatus Company, Inc., assignee: *See*— Murphy, William P., Jr.

Harvey, Leo M., assignee: *See*— Frick, Chester A.

Harvey, W. Ward, executor: *See*— Lucas, Elmer A.

Hastings Manufacturing Company, assignee: *See*— Phillips, Harold P.

Hatfield, Milton W.: *See*— McCreery, Cecil W., and Hatfield.

Hawkes, Harry D.: *See*— Shotter, George F., and Hawkes.

Hawkes, Thomas B., Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Bar gripper means for stretching presses. 2,596,772, May 13.

Hawkins, Melvin P., Wilson, N. C. Tooth paste dispenser, including a compressing roller and a pivoted valve element. 2,596,683, May 13.

Hayes, Stanley W., assignor to Hayes Track Appliance Company, Richmond, Ind. Bumping post. 2,596,240, May 13.

Hayes Track Appliance Company, assignee: *See*— Hayes, Stanley W.

Heath, Thomas D., Westport, assignor to The Dorr Company, Stamford, Conn. Reduction of iron ore to magnetite. 2,596,954, May 13.

Hedenkamp, Richard L., Kirkwood, Mo. Steam electric iron. 2,596,684, May 13.

Hedström, Sven E., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Regulator with saturable core. 2,596,685, May 13.

Heggie, Robert, Garden City, N. Y. Permanently flavored chewing gum base. 2,596,852, May 13.

Heimann, Heinrich, New York, N. Y. Machine for producing tubes or other hollow cylindrical articles. 2,596,552, May 13.

Heinemann, Bernard: *See*— Silverman, Milton and Heinemann.

Helleur, Donald, Kenogami, Quebec, assignor to Price Brothers & Company, Limited, Quebec, Quebec, Canada. Treatment of the spent cooking liquor of an ammonia base sulfite pulping process. 2,596,241, May 13.

Helstrom, Julmer, Cook, Minn. Hydraulic vise having reservoir, pump, and cylinder carried by movable jaw. 2,596,853, May 13.

Henry, Charles W., Hennessey, Okla. Adjustable eave gutter support or hanger. 2,596,553, May 13.

Hercules Powder Company, assignee: *See*— Borglin, Joseph N., and Ray.

Hersh, Joseph M.: *See*— Moyer, Melvin I., and Hersh.

Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Centrifugal machine control organization. 2,596,927, May 13.

Hess, George R., Washington, D. C. Checking station for self-service. 2,596,686, May 13.

Hewlett-Packard Company, assignee: *See*— Packard, David and Schrock.

Hickman, Clarence N.: *See*— Bradford, Eliot B., Africano and Hickman.

Hilferty, Daniel J., deceased, late of Riverdale, Md., by E. M. Hilferty, executrix, Riverdale, Md. Electrical waveform generator. 2,596,149, May 13.

Hilferty, Ethel M., executrix: *See*— Hilferty, Daniel J.

Hill, Arthur J., and J. T. Maynard, Wilmington, Del., assignors to American Cyanamid Company, New York, N. Y. Aminoesters of N-substituted pyrrolidine 2,5-dicarboxylic acids. 2,596,099, May 13.

Hill, Edward F., Ridgewood, N. J. Sealed edge slitting machine. 2,596,400, May 13.

Hill, Hugh F., Fall River, Mass. Humidifier head. 2,596,687, May 13.

Hill, Roscoe L.: *See*— Proulx, Leonard E., and Hill.

Hill, Thomas C., Aberdeen, assignor to The Glenn L. Martin Company, Middle River, Md. Variable ratio booster control system. 2,596,242, May 13.

Hill, William H., Pittsburgh, Pa., and D. K. Shipley, Baltimore, Md., assignors to Koppers Company, Inc., Pittsburgh, Pa. Pickling bath for metals. 2,596,150, May 13.

Hincks, William J., Norwood, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada. Brisket saw. 2,596,481, May 13.

Hines Flask Company, assignee: *See*— Hines, Russell J.

Hines, Russell J., Lakewood, assignor, by mesne assignments, to Hines Flask Company, Cleveland, Ohio. Flask handling device. 2,596,401, May 13.

Hinsen, Ralph C., Englewood, Colo. Spiral game. 2,596,688, May 13.

Hinton, Olar T., Jr., Pickens, S. C. Motion producing mechanism for woodworking machines. 2,596,402, May 13.

Hockery, John C., trustee assignee: *See*— Scott, Robert J.

Hoe, R., & Co., Inc., assignee: *See*— Wieking, William C.

Hoeckele, Karl F., Newark, N. J., assignor to Eastern Jewelry Finding Works, Inc. Jewelry clasp. 2,596,405, May 13.

Hoff, Ronald C., assignor to Erie Manufacturing Company, Erie, Pa. Magnetic pulley. 2,596,554, May 13.

Hoffman, Lester, Birdsboro, Pa. Fishing rod holder. 2,596,403, May 13.

Hofman Laboratories, Inc., assignee: *See*— Jacket, Howard S.

Hofstrand, Nils V.: *See*— Johnson, Karl G., and Hofstrand.

Hoglund Engineering and Manufacturing Company, Inc., assignee: *See*— Hoglund, Nils.

Hoglund, Nils, Union, assignor to Hoglund Engineering and Manufacturing Company, Inc., Berkeley Heights, N. J. Wheel dressing and forming apparatus. 2,596,555, May 13.

Holbeck, Austin A., Detroit, Mich. Baking oven loading apparatus. 2,596,404, May 13.

Holdenline Company, assignee: *See*— Wise, Gary E.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake structure. 2,596,556, May 13.

Holley, Earl, assignee: *See*— Colvin, Clifford. Kell, Leonard W. Orr, Andrew W., Jr. Udale, Stanley M.

Holley, George M.: *See*— Udale, Stanley M.

Holley, George M., assignee: *See*— Colvin, Clifford. Kell, Leonard W. Orr, Andrew W., Jr.

Holophane Company, Inc., assignee: *See*— Wince, Vearl S.

Holt, William E., Oakland, Calif. Floor sanding machine. 2,596,689, May 13.

Hoover Company, The, assignee: *See*— Brace, George A.

Hoppes, Lloyd G., Hazelton, assignor to Insul-Wool Machinery Manufacturing Co., Wichita, Kans. Device for the mixing and dispensing of a plurality of materials. 2,596,898, May 13.

Horikawa, Noboru R., Philadelphia, Pa. Ash receiver and extinguisher for cigarettes. 2,596,773, May 13.

Houdry Process Corporation, assignee: *See*— Shabaker, Hubert A. Weidman, Walter L., Shabaker and Cornelius.

Howard, Joseph A., Sun Valley, Calif. Tool-holding indexing turret. 2,596,482, May 13.

Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Apparatus for measuring direct voltages. 2,596,955, May 13.

Huber, Martin, Munich, Germany. Spring actuated disk projector. 2,596,557, May 13.

Hudson, Clifford C., Wichita Falls, Tex., assignor to R. Bowling and J. H. Raines. Pumping system. 2,596,151, May 13.

Hufferd, George H., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Loom check. 2,596,483, May 13.

Hull-Ryde, Arthur, assignee: *See*— Groves, Martin V.

Hunziker, Fred, University Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Indexing chuck. 2,596,484, May 13.

Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of boron compounds. 2,596,690, May 13.

Hurley, Forrest R.: *See*— Malowan, John E., and Hurley.

Ide, Howard J., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Safety device. 2,596,928, May 13.

Ideal Machine Shops Inc. assignee: *See*— Costner, Clarence J.

Ilford Limited, assignee: *See*— Kendall, John D., and Majer.

Illinois Railway Equipment Company, assignee: *See*— Johnson, Malcolm S.

Illinois Tool Works, assignee: *See*— Crowther, Edmond C. Poupitch, Ougljesa J. Soltysik, Edmund J. Stern, William.

Imbert, Roger J., assignor to Societe Rateau (Société Anonyme), and R. Anxionnaz, Paris, France, jointly. Reaction jet aircraft propeller with two air circuits. 2,596,406, May 13.

Imperial Chemical Industries Limited, assignee: *See*— Melklejohn, George T.

Industrial Patent Corporation, assignee: *See*— Wales, Nathaniel B.

Industrial Research, Inc., assignee: *See*— Paxton, Dewey M.

Ingram, John F., Ojai, Calif. Shingle gauge attachment for roofer's hatchet. 2,596,558, May 13.

Inland Container Corporation, assignee: *See*— Ferguson, Kenneth C.

Insul-Wool Machinery Manufacturing Co., assignee: *See*— Hoppes, Lloyd G.

Interchemical Corporation, assignee: *See*— Nichols, Joseph, and De Marchi.

International Minerals & Chemical Corporation, assignee: *See*— Jackson, Richard I.

Ionia Manufacturing Company, assignee: *See*— Morse, Glenn B.

Ireland, Murray, assignor to McGraw Electric Company, Elgin, Ill. Toaster crumb tray latch. 2,596,243, May 13.

Jack, John M., Mission, G. H. Webb, Kansas City, Kans., and L. H. Jefferson, Kansas City, Mo., assignors to Double J Manufacturing Company Inc., Kansas City, Kans. Apparatus for raising and leveling forms for walls of concrete structures. 2,596,854, May 13.

Jacket, Howard S., Brooklyn, N. Y., assignor to Hofman Laboratories, Inc., Newark, N. J. Shock absorbing suspension for liquid gas containers. 2,596,244, May 13.

Jackson, Frank W., and H. M. Nacey, Chicago, Ill. Safety device for liquid supply systems. 2,596,691, May 13.

Jackson, Richard I., Perrysburg, Ohio, assignor to International Minerals & Chemical Corporation. Concentration of nonmetallic minerals by flotation. 2,596,407, May 13.

Jaffee, Robert I., and H. R. Ogden, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium base alloy. 2,596,485, May 13.

Jaffee, Robert I., H. R. Ogden and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,486, May 13.

Jaffee, Robert I., H. R. Ogden and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,487, May 13.

Jaffee, Robert I., H. R. Ogden, and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,488, May 13.

Jaffee, Robert I., H. R. Ogden and D. J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn. Titanium-base alloys. 2,596,489, May 13.

Jakob, Robert H.: *See*— Tess, Roy W. H., Jakob, and Bradley.

Jarmann, Alfred, Jr., assignee: *See*— McEnroe, William J., Jr.

Jefferson, Louis H.: *See*— Jack, John M., Webb, and Jefferson.

Jeffrey Manufacturing Company, The, assignee: *See*— Mercier, Stanley M.

Jeffries, Claude M., and F. E. Scheig, Pampa, Tex. Rathole digger. 2,596,774, May 13.

Jenkins, Arthur P.: *See*— Coote, Jack Howard, and Jenkins.

Jenkins, Fred F., Lynwood, Calif., assignor to American Pipe and Construction Co. Pipe and making same. 2,596,490, May 13.

Jensen, Jens W., Oroville, Wash. Quick-acting pipe wrench. 2,596,559, May 13.

Jessup, James L., Detroit, assignor to Colonial Broach Company, Warren Township, Mich. Helical spline grinding machine. 2,596,814, May 13.

Jeter, Killis W., Sr., assignee: *See*— Shreffler, Vivian A. D.

Johnson, Carl V.: *See*— Doyle, Irving W., and Johnson.

Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Auxiliary seat support for use with dental chairs. 2,596,561, May 13.

Johnson, Ernest W., Mountainside, N. J. Device for evacuating and filling vessels by means of pressure. 2,596,560, May 13.

Johnson, Fred J., F. J. Johnson, Jr., and R. L. Johnson, assignors to The Kinex Company, Needham Heights, Mass. Screw-tightening caps on jars by frictional pressure which diminishes as tightening proceeds. 2,596,408, May 13.

Johnson, Fred J., Jr.: *See*— Johnson, Fred J., F. J., Jr., and R. L.

Johnson, John R., Jr., Frankfort, Ky. Oxygen breathing system. 2,596,152, May 13.

Johnson, Karl G., and N. V. Hofstrand, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Signal sending device within automatic telephone system. 2,596,245, May 13.

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Lading strap fastening means. 2,596,855, May 13.

Johnson, Robert L.: *See*— Johnson, Fred J., F. J., Jr., and R. L.

Johnson, Roy W., C. E. Zarwell, and L. V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation. Solenoid gas valve. 2,596,409, May 13.

Johnson, Thomas H., Elmhurst, N. Y., and W. L. Thompson, Jr., Fairfield, Conn., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for producing textile fabrics. 2,596,246, May 13.

Jordan, Eugene H., Los Angeles, Calif. Motorcycle and its front steering fork. 2,596,411, May 13.

Jordan, John T., Houston, Tex., assignor to Shell Development Company, Emeryville, Calif. Absorbing gases, including hydrogen sulfide. 2,596,692, May 13.

Jordan, Le Grand L., Los Angeles, Calif. Internal-combustion engine. 2,956,410, May 13.

Joy Manufacturing Company, assignee: *See*— Ball, Charles F.

K. T. Laboratories, Inc., assignee: *See*— Knobel, Max.

Kacsor, Paul J., Cleveland, Ohio. Fishing rod handle and holder therefor. 2,596,247, May 13.

Kagy, John F., Long Beach, and R. R. McPherson, Millbrae, Calif., assignors to The Dow Chemical Company, Midland, Mich. Plant growth improvement. 2,596,929, May 13.

Kahle Engineering Company, assignee: *See*— Kahle, Louis C.

Kahle, Louis C., Teaneck, assignor to Kahle Engineering Company, North Bergen, N. J. Machine for making glass articles. 2,596,899, May 13.

Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Synthetic resins prepared from biguanide-aldehyde condensation products. 2,596,930, May 13.

Karlstrom, Johan F. R., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Dishwashing machine. 2,596,693, May 13.

Kasper, Don G., Shiner, Tex. Store basket and carriage. 2,596,775, May 13.

Kaufmann, Stephen, G. Rosenkranz, and J. Pataki, assignors to Syntex S. A., Mexico City, Mexico. Preparation of 21-acyloxy allopregnanes. 2,596,562, May 13.

Kaufmann, Stephen, G. Rosenkranz, and J. Pataki, assignors to Syntex S. A., Mexico City, Mexico. Producing 17-hydroxy-20-keto-21-acyloxy pregnanes. 2,596,563, May 13.

Kautenberg, William E., Freeport, Ill. Expanding fishhook. 2,596,564, May 13.

Kautenberg, William E., Freeport, Ill. Reinforced sponge and reinforcing it. 2,596,565, May 13.

Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Coupler knuckle bearing. 2,596,153, May 13.

Keating, Esmond J.: *See*— Keating, John F., and E. J.

Keating, John F., Zacapu, Michoacan, Mexico, and E. J. Keating, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Padder, mangle, or squeeze rolls for improved extraction and impregnation of textile fibers, yarns, and fabrics. 2,596,154, May 13.

Kegg, Robert R., Toledo, Ohio, assignor to Owen-Illinois Glass Company. Glass welding method. 2,596,694, May 13.

Keil, Leonard W., Wayne, Mich., assignor to G. M. Holley and E. Holley. Gas turbine fuel control having both a normal speed and an emergency control. 2,596,815, May 13.

Keller, Spencer R., Handley, assignor of one-half to Marathon Coal Bit Company, Incorporated, Montgomery, W. Va. Universal keyway and slotter attachment. 2,596,695, May 13.

Kelley, Charles A.: *See*— Flora, Laurence H., and Kelley.

Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Cross drive for heavy vehicles. 2,596,931, May 13.

Kellogg, M. W., Company, The, assignee: *See*— McGrath, Henry G. Pyzel, Robert.

Kelly, Eugene R.: *See*— Strohm, Vernon L., and Kelly.

Kelsey-Hayes Wheel Company, assignee: *See*— Zimmerman, Thomas.

Kendall, Donald B., assignor to Toledo Scale Company, Toledo, Ohio. Electrical relay system. 2,596,900, May 13.

Kendall, John D., and J. R. Majer, assignors to Ilford Limited, Ilford, England. Production of cyanine dyestuffs. 2,596,776, May 13.

Kennedy, James A., Ann Arbor Township, Washtenaw County, Mich. Vehicle driving chain. 2,596,248, May 13.

Kerrigan, Frank J., Winchester, Mass. Bubble tower. 2,596,249, May 13.

Kerrigan Iron Works, Inc., assignee: *See*— Daniels, Gordon E.

Kessler, Merrill, Oakland, Calif., assignor to Aristocrat Manicuring Company. Flexible shaft for manicuring machines. 2,596,335, May 13.

Kessler, Ward P., near Bristol, Ind., assignor to V. M. Langsett, Chicago, Ill., as trustee. Sash balance. 2,596,932, May 13.

Key, S. Buford, assignee: *See*— Dendy, Tally M.

Kinberg, Benjamin, New York, N. Y. Doll. 2,596,491, May 13.

Kincaid, Walter C., Pueblo County, Colo. Venetian blind. 2,596,413, May 13.

Kinex Company, The, assignee: *See*— Johnson, Fred J., F. J., Jr., and R. L.

Kirby, Edgar: *See*— Kish, Michael, Jr., McNeil, and Kirby.

Kirk, Elmer L., assignor to The Dow Chemical Company, Midland, Mich. Welding plastic films. 2,596,933, May 13.

Kiser, John E., Sidney, Ohio. Bubble bath mixer. 2,596,901, May 13.

Kish, Michael, Jr., Hightstown, J. R. McNeil, Lawrenceville, N. J., and E. Kirby, Washington, D. C., assignors to Atlantic Products Corporation, Trenton, N. J. Wardrobe type foldable luggage bag. 2,596,412, May 13.

Kitchen-Quip, Inc., assignee: *See*— Schaeffer, Lewis C.

Kleinman, Jacob L., New York, N. Y. Girdle. 2,596,155, May 13.

Klingler, Ira C., Elkhart, Ind. Collapsible stretcher. 2,596,250, May 13.

Knapp-Monarch Company, assignee: *See*—
Knapp, Robert S.
Kochner, William B.

Knapp, Robert S., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Aerosol bomb valve. 2,596,414, May 13.

Knobel, Max, Arlington, assignor to K. T. Laboratories, Inc., Boston, Mass. Pneumatic inspection gauge. 2,596,696, May 13.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying device. 2,596,415, May 13.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide lens system. 2,596,251, May 13.

Kolehmainen, Elmar, Los Angeles, Calif. Ammunition link ejection chute. 2,596,252, May 13.

Koppers Company, Inc., assignee: *See*—
Hill, William H., and Shipley.

Kornmayer, Frank J., Chicago, Ill. Hinge for doors and swingable closures. 2,596,416, May 13.

Krause, Norman R., assignor to J. I. Case Company, Racine, Wis. Draft frame. 2,596,902, May 13.

Krefft, Hermann E., Buenos Aires, Argentina. Electrical discharge lamp. 2,596,697, May 13.

Krimmel, Carl P., Evanston, assignor to G. D. Searle & Co., Chicago, Ill. Aminoalkyl esters of N,N-diarylanthranilic acids and salts thereof. 2,596,156, May 13.

Krohn, Harry W., Jr., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Tire pressure gauge. 2,596,856, May 13.

Kropp Forge Company, assignee: *See*—
Kropp, Roy A.

Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Safety tractor cab. 2,596,903, May 13.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle suspension. 2,596,904, May 13.

Kupka, Edward, Buckley, Wash. Tongs having releasable load engaging tines. 2,596,857, May 13.

Kurkjian, Yervant H., Clifton, N. J. Registering and assembling unit for films and mounts therefor. 2,596,253, May 13.

Lacy, Harry L., Philadelphia, Pa., and M. L. Lacy, Dundalk, Md. Changeable color automobile body. 2,596,566, May 13.

Lacy, Mount L.: *See*—
Lacy, Harry L. and M. L.

Laing, Marvin R., and W. Myers, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Synchronizing arrangement. 2,596,698, May 13.

Lammers, Alvin F.: *See*—
Williams, Robert L., Lammers, and Zipp.

Lane, Stanley C.: *See*—
Smith, Warren M., Luening, and Lane.

Langbein, Fred, Kenilworth, N. J. Ventilated rigid awning. 2,596,934, May 13.

Langs, Charles L., Grosse Pointe Park, Mich. Breast cover. 2,596,567, May 13.

Langsett, Victor M., trustee, assignee: *See*—
Kessler, Ward P.

Lapidus, Sol H., assignor to U. S. Metal Products Company, Inc., Brooklyn, N. Y. Signal control device. 2,596,858, May 13.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,596,699, May 13.

Lapsley, Robert, assignor to Clark Equipment Company, Buchanan, Mich. Transmission. 2,596,700, May 13.

Latour, André, Grenoble, France. Compressed air switch with delayed break connector. 2,596,254, May 13.

La Tour, Clifford S., assignor to Lyn-Chicago Corporation, Chicago, Ill. Infant's feeding set. 2,596,255, May 13.

Laubaugh, Elmer C., Baldwin, Mich. Signal lamp for use on motor vehicles. 2,596,256, May 13.

Laurenson, William R., Falls Church, Va. Flooding control for ships. 2,596,417, May 13.

Le Blond, R. K., Machine Tool Co., The, assignee: *See*—
Siekmann, Harold J., and Meyer.

Leed, Edgar I., New Holland, assignor to Armstrong Cork Company, Lancaster, Pa. Festooning device. 2,596,157, May 13.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Lateral motion truck. 2,596,777, May 13.

Lehman, Irvin H., Kentland, Ind. Grain treating device. 2,596,568, May 13.

Leigh, Robert L., assignor to Air Control Products, Inc., Coopersville, Mich. Valve operating mechanism for hot-air registers. 2,596,257, May 13.

Leigh, Robert L., Grand Rapids, assignor to Air Control Products, Inc., Coopersville, Mich. Window shutter. 2,596,569, May 13.

Leigh, Robert L., assignor to Air Control Products, Inc., Coopersville, Mich. Damper operating and securing structure. 2,596,570, May 13.

Leinen, Arthur P., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Fixture and holder for fluorescent lamps. 2,596,336, May 13.

Leinen, Arthur P., Chicago, assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill. Fixture and holder for fluorescent lamps. 2,596,337, May 13.

Leiser, Henry, Denver, Colo. Calorie calculator. 2,596,418, May 13.

Lemaire, Maurice H., Paris, France. Apparatus for the upkeep of railway tracks. 2,596,701, May 13.

Lempco Products, Inc., assignee: *See*—
Smole, Jack F.

Leonard, Albert J., Sr., Glendale, Calif. Sock drying device. 2,596,859, May 13.

Leslie, Donald J., Wilmar, Calif. Electric organ speaker system. 2,596,258, May 13.

Less, Joseph W., Clinton, Iowa. Tobacco pipe and a hollow member therefor. 2,596,905, May 13.

Leupold & Stevens Instruments, Inc., assignee: *See*—
Stevens, John C.

Levine, Leonard: *See*—
Edgar, Robert F., and Levine.

Lewenhagen, Gotthard A., Stockholm, Sweden. Tube cleaner. 2,596,571, May 13.

Lewis, John P., Sr., Lumberton, N. C. Coin-operated game board and table. 2,596,259, May 13.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Watkins, George B., and Gaiser.

Lieberman, Nathan L., New York, N. Y. Hinge. 2,596,816, May 13.

Lighting Specialties, Inc., assignee: *See*—
Vogel, William E.

Lincoln Electric Company, The, assignee: *See*—
Payne, Harold S.

Lindblom, Frank W., Warwick, R. I., assignor to Welsh Manufacturing Company. Two-color spectacle bridge. 2,596,572, May 13.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna system. 2,596,492, May 13.

Lindsay, William W., Jr., assignor to Glifillan Bros., Inc., Los Angeles, Calif. Radar antenna structure. 2,596,966, May 13.

Lindsey, Seth B., Anoka, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispensing. 2,596,158, May 13.

Linney, Robert J., Port Henry, N. Y. Metal tempering apparatus. 2,596,493, May 13.

Linton, Roy J., Elkhart, Ind. Woodwind musical instrument. 2,596,260, May 13.

Liskin, Louis D., Ridgefield, N. J., assignor to Standard Corrugated Case Corp. Carton. 2,596,261, May 13.

Listrat, Jean J., Noyelles-Godault, assignor of one-half to Societe Anonyme dite: Societe Miniere et Metallurgique de Penarroya, Paris, France. Obtention of metallic antimony. 2,596,100, May 13.

Lithgow, James D., Hamilton, Ontario, Canada. Printing slug slicing and shaving machine. 2,596,338, May 13.

Litzenberg, Charles, assignee: *See*—
Stuffer, Rowen S.

Lockhart, Charles F., Cleveland, Ohio. Automatic train pipe connector. 2,596,778, May 13.

Lofgren, Gustaf E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Self-sealing receptacle for separating dust from an air stream. 2,596,808, May 13.

Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Nelson, Harry.

Louden Machinery Company, The, assignee: *See*—
Spafford, Ralph W.

Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Draft rigging. 2,596,262, May 13.

Lowe, Earl W., Decatur, Ill., and E. M. Reedy, Los Angeles, Calif., assignors to Mueller Co., Decatur, Ill. Faucet. 2,596,419, May 13.

Lucas, Elmer A., deceased, Edgewood, R. I.; W. W. Harvey, executor, assignor to L. E. Lucas, Newport, R. I. Storm window fastener. 2,569,906, May 13.

Lucas, Elmer A., deceased, Edgewood, R. I.; W. W. Harvey, executor, assignor to L. E. Lucas, Newport, R. I. Furnace draft regulator. 2,596,907, May 13.

Lucas, Luella E., assignee: *See*—
Lucas, Elmer A.

Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,596,263, May 13.

Luebkenman, George C., Cincinnati, Ohio. Molding process. 2,596,573, May 13.

Luening, William D.: *See*—
Smith, Warren M., Luening, and Lane.

Lufkin, Garland, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Apparatus for loading and unloading jars into and out of containers. 2,596,339, May 13.

Lustrafil Limited, assignee: *See*—
Barker, Sydney W.

Lutes, Oakley D., Jackson, Mich. Plow colter. 2,596,574, May 13.

Lynch, Thomas E., assignor to The Brush Development Company, Cleveland, Ohio. Ceramic electromechanical transducer. 2,596,494, May 13.

Lyn-Chicago Corporation, assignee: *See*—
La Tour, Clifford S.

Lyon, Floyd A.: *See*—
Halahan, John, Aronson, and Lyon.

MacAfee, Merrill W., Los Angeles, Calif., assignor to The Dorr Company, Stamford, Conn. Oil field wash tank. 2,596,575, May 13.

Macaulay, Malcolm: *See*—
Rohrback, Gilson H., Stoner, Macaulay, and Cardwell.

Macbeth, Albert C., Seattle, Wash. Instrument for measuring pupillary distances. 2,596,264, May 13.

Macerata, Stelio, Johannesburg, Transvaal, Union of South Africa. Manufacturing prestressed concrete structural members. 2,596,495, May 13.

Machine Tool Works Oerlikon, Administration Company, assignee: *See*—
Schlikil, Otto.

Macleish, Kenneth G., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic focusing arrangement. 2,596,702, May 13.

MacSpadden, Chester H., Ephrata, Wash. Clothes hanger. 2,596,576, May 13.

Mahler, Joseph: *See*—
Moulton, Harold R., and Mahler.

Mahns, Maurice W., La Fayette, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa. Drawbench unloading arm mechanism. 2,596,340, May 13.

Maier, August R., Dallas, Tex., assignor to United States Steel Company. Slush pump piston. 2,596,703, May 13.

Majer, John R.: *See*—
Kendall, John D., and Majer.

Malowan, John E., and F. R. Hurley, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Nitrogen-phosphorus composition and process for same. 2,596,935, May 13.

Malutich, Harry S., Erie, Pa., assignor to General Electric Company. Alarm switch. 2,596,704, May 13.

Manierre, George, Milwaukee, Wis. Portable loading and unloading conveyer. 2,596,265, May 13.

Manning, Maxwell & Moore, Inc., assignee: *See*—
Moore, George E.

Manthey, Walter C., assignee: *See*—
Miller, Clifford O., and Behmer.

Marathon Coal Bit Company, Incorporated, assignee: *See*—
Keller, Spencer R.

Marble, Jarvis C., trustee, assignee: *See*—
Boestad, Gustav K. W.

Marco Chemicals, Inc., assignee: *See*—
Muskat, Irving E.

Marling, Paul E.: *See*—
Nielsen, Morris L., and Marling.

Marling, Paul E., and M. L. Nielsen, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Noncombustible coating composition and applying. 2,596,496, May 13.

Martin, Donald L., Ballston Lake, N. Y., assignor to General Electric Company. Magnetic alloy. 2,596,705, May 13.

Martin, Glenn L., Company, The, assignee: *See*—
Hill, Thomas C.

Mason, Ernest G.: *See*—
Wickham, Hull, Burton, and Mason.

Massingham, Henry R.: *See*—
Gross, Herbert R., and Massingham.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Strengthening a calcined supported phosphoric acid catalyst. 2,596,497, May 13.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Supported phosphoric acid catalyst and manufacture. 2,596,498, May 13.

Maykuth, Daniel J.: *See*—
Jaffee, Robert I., Ogden, and Maykuth.

Maynard, John T.: *See*—
Hill, Arthur J., and Maynard.

McBirney, Nettie C., Tulsa, Okla. Cooky molding cutter. 2,596,159, May 13.

McBride, Cleao W., Burley, Idaho. Rotary sprinkler. 2,596,577, May 13.

McCall, J. S., assignee: *See*—
Squyres, Clarence W.

McCarty, Lourdes V.: *See*—
Johnson, Roy W., Zarwell, and McCarty.

McClure, Truman J., Olney Springs, Colo. Door mounting. 2,596,706, May 13.

McCoy, Marion M., Newark, N. J. Electric control for brake mechanisms. 2,596,779, May 13.

McCreery, Cecil W., Toledo, Ohio, and M. W. Hatfield, Muncie, Ind., assignors to Owen-Illinois Glass Company. Burner block and burner. 2,596,341, May 13.

McCrory, Kenneth W., and A. W. Rollins, assignors to Parker-McCrory Manufacturing Company, Kansas City, Mo. Luggage carrier attachment for automobiles. 2,596,860, May 13.

McEnroe, William J., Jr., Albany, assignor of fifty per cent to A. Jarmann, Jr., Schodack Landing, and ten per cent to T. Fogerite, Schuylerville, N. Y. Slidable side jaw wrench. 2,596,266, May 13.

McGarvey, Robert W., Detroit, assignor to V. A. Wicks and F. J. Dupure, Dearborn, Mich. Rheostatic switch. 2,596,420, May 13.

McGovney, James E., Cranford, N. J., assignor to Standard Oil Development Company. Slide valve. 2,596,817, May 13.

McGrath, Henry G., Elizabeth, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,596,160, May 13.

McGraw Electric Company, assignee: *See*—
Ireland, Murray.

McIntyre, Brouwer D. and W. D., assignors to Monroe Auto Equipment Company, Monroe, Mich. Dumping box and supporting structure therefor with means for receiving contents of said box. 2,596,908, May 13.

McIntyre, Grace H. and M., Riverside, Conn. Wheeled suitcase. 2,596,578, May 13.

McIntyre, Malcolm: *See*—
McIntyre, Grace H. and M.

McIntyre, William D.: *See*—
McIntyre, Brouwer D. and W. D.

McKay, Augusta P., assignor to Rome Plow Company, Cedartown, Ga. Tractor borne disk harrow. 2,596,579, May 13.

McKay, James B., Balmertown, Ontario, Canada, and J. V. Thompson, Denver, Colo., assignors to The Dorr Company, Stamford, Conn. Treating arsenical gold ores. 2,596,580, May 13.

McKee, Hilton J.: *See*—
Foust, Floyd J., Shaw, McKee, Rider, and Burge.

McKinnie, Roxton C., Santa Monica, Calif. Adjustable worktable. 2,596,267, May 13.

McKinnis, Art C., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Flame synthesis of hydrogen cyanide. 2,596,421, May 13.

McNeil, John R.: *See*—
Kish, Michael, Jr., McNeil, and Kirby.

McNutt, Anderson D., Newark, and R. L. Newton, Bridgeton, N. J., assignors to Owens-Illinois Glass Company. Machine for gauging bottleneck openings. 2,596,342, May 13.

McPherson, Robert R.: *See*—
Kagy, John F., and McPherson.

Meech, Ralph E., Meadville, Pa., assignor to Talon, Inc. Slider for slide fasteners. 2,596,861, May 13.

Meijer, Hendrick W., Veendam, Netherlands. Crease-proofing cellulose textiles with glucose-ureide formaldehyde condensation product. 2,596,268, May 13.

Meiklejohn, George T., Runcorn, England, assignor to Imperial Chemical Industries Limited. Electrolytic cell. 2,596,583, May 13.

Meites, Gilbert E., assignee: *See*—
Bailen, Jacob L.

Mercier, Edward G., New York, N. Y., assignor to General Precision Laboratory Incorporated. Intermittent movement. 2,596,581, May 13.

Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Multirubber tired conveyer idler. 2,596,499, May 13.

Merrill, Leslie M., trustee, assignee: *See*—
Boestad, Gustav K. W.

Metals & Controls Corporation, assignee: *See*—
Williams, Joseph M.

Metzger, Henry L., Castleton-on-Hudson, N. Y. Box. 2,596,707, May 13.

Metzger, Paul Chicago, Ill. Trolling device. 2,596,269, May 13.

Meyer, Walter R.: *See*—
Siekmann, Harold J., and Meyer.

Meyers, Donald N., Philadelphia, assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa. Rotor blade. 2,596,818, May 13.

Meyers, George L., Willoughby, and J. C. Shutt, Wickliffe, assignors to The Ohio Rubber Company, Willoughby, Ohio. Resilient member and fastening device therefor. 2,596,780, May 13.

Michael, Henry J., Mineola, N. Y., and W. Whitney, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse conversion system. 2,596,584, May 13.

Michel, Ralph, Chicago, Ill. Street sign. 2,596,582, May 13.

Miller, Barnet, Hartford, Conn. Level and inclinometer. 2,596,422, May 13.

Miller, Boyd R., and J. Gobatti, Pueblo, Colo. Rod weeder attachment for cultivators. 2,596,270, May 13.

Miller, Clifford O., Minneapolis, and E. A. Behmer, said Behmer assignor of one-tenth to W. C. Manthey, St. Paul, Minn. Planimeter. 2,596,423, May 13.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Gear shaping machine with eccentric cutter relief. 2,596,343, May 13.

Miller, Joseph A.: *See*—
Nordmark, Walter E., Miller, and Poel.

Milton, Roy, Company, assignee: *See*—
Sheen, Robert T.

Miner, W. H., Inc., assignee: *See*—
Lounsbury, Harvey J.
Olander, Roland J.

Minkow, Robert, New York, N. Y. Doctoring means for gluing rollers. 2,596,585, May 13.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Crum, Stephen.
Laing, Marvin R., and Myers.
Wild, Rudolf F.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Lindsey, Seth B.

Mir, Antonio J.: *See*—
Pastor, Aldo F. and G. F., and E. J. and A. J. Mir.

Mir, Enrique J.: *See*—
Pastor, Aldo F. and G. F., and E. J. and A. J. Mir.

Mirfield, George E., deceased, Youngstown, Ohio; T. W. Craver, executor. Apparatus for bundling pipes, bars, and the like. 2,596,862, May 13.

Molloy, Everett W., Wilmar, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pocket radiation alarm. 2,596,500, May 13.

Mondet, Paul, assignor to Ateliers Ventil, Lyon, France. Pressure gauge. 2,596,271, May 13.

Monroe Auto Equipment Company, assignee: *See*—
McIntyre, Brouwer D. and W. D.

Monsanto Chemical Company, assignee: *See*—
Gamrath, Harry R., and Craver.
Malowan, John E., and Hurley.
Marling, Paul E., and Nielsen.
Nielsen, Morris L.
Nielsen, Morris L., Arnold, and Chapin.
Nielsen, Morris L., and Marling.
Nielsen, Morris L., and Nason.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Sprocket or the like. 2,596,501, May 13.

Moore Company, The, assignee: *See*—
Moore, Robert D.

Moore, Dewey R., Dallas, Tex., assignor to United States Steel Company. Spudding beam. 2,596,709, May 13.

Moore, George E., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Load-handling sling. 2,596,502, May 13.

Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Fan. 2,596,781, May 13.

Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Apparatus for cooling liquids. 2,596,782, May 13.

Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Electric motor for fans. 2,596,783, May 13.

Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Electric arc furnace. 2,596,708, May 13.

Moravec, Jan, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Method and device for an automatic supply of low molecular raw material for continuous production and spinning of polyamides. 2,596,272, May 13.

Morden, Charles W., assignor to Morden Machines Company, Portland, Oreg. Machine for treating fibrous material. 2,596,586, May 13.

Morden Machines Company, assignee: *See*—
Morden, Charles W.

Moricco, Gregory J.: *See*—
Moricco, John A. and G. J.

Moricco, John A., Brooklyn, and G. J. Moricco, New York, N. Y. Removable panel frame for television receiving sets. 2,596,710, May 13.

Morse, Glenn B., Grand Rapids, assignor to Ionia Manufacturing Company, Ionia, Mich. Folding chair. 2,596,424, May 13.

Morton, Frederick S., assignor to Thermomatic (Engineers) Limited, Enfield, England. Steam-lifting trap for steam-circulating systems. 2,596,587, May 13.

Motorola, Inc., assignee: *See*—
Roberts, David E.

Moulton, Harold R., Southbridge, and J. Mahler, Brookline, assignors to American Optical Company, Southbridge, Mass. Adhesive composition for laminating optical elements. 2,596,863, May 13.

Moyer, Melvin L., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting hydrogen sulfide corrosion of metals. 2,596,273, May 13.

Moyer, Melvin L., Lawrence, Kans., and J. M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla. Inhibiting hydrogen sulfide corrosion of metals. 2,596,425, May 13.

Mueller Co., assignee: *See*—
Lowe, Earl W., and Reedy.

Mueller, Robert K., Newton, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Electromagnetic apparatus. 2,596,711, May 13.

Mueller, Robert K., Newton, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Electromagnetic apparatus. 2,596,712, May 13.

Muffly, Glenn, Springfield, Ohio. Ice-cream freezer. 2,596,274, May 13.

Mufich, Frank J., Inglewood, Calif., and H. S. Ross, Twin Falls, Idaho, assignors to Wemac Company, Inglewood, Calif. Valve device. 2,596,909, May 13.

Muller, Caroline A., Minneapolis, Minn. Post-operation belt. 2,596,275, May 13.

Murdock, Thomas B., and R. H. Ball, Schenectady, N. Y., assignors to General Electric Company. Centrifugal balance fuel valve for rotating combustion products generators. 2,596,161, May 13.

Murphy, William P., Jr., assignor to Harvard Apparatus Company, Inc., Dover, Mass. Change-speed apparatus. 2,596,819, May 13.

Muskat, Irving E., Plainfield, N. J., assignor to Marco Chemicals, Inc. Polymerising fiber-reinforced resinous materials and product. 2,596,162, May 13.

Myers, Philip, Baltimore, Md. Box. 2,596,426, May 13.

Myers, Watt: *See*—
Laing, Marvin R., and Myers.

N. V. Exploitatie Maatschappij "Quod Bonum," assignee: *See*—
De Goeij, Henricus J. A.

Nacey, Harry M.: *See*—
Jackson, Frank W., and Nacey.

Nadeau, Gale F., and C. B. Starck, assignors to Eastman Kodak Company, Rochester, N. Y. Antihalation layer for cellulose ester lithographic printing plates. 2,596,713, May 13.

Nagin, Henry J., Brooklyn, N. Y. Safety automobile steering wheel. 2,596,784, May 13.

Napoli, John, Monterey, Calif. Power drive mechanism for apparatus for generating electrical energy. 2,596,276, May 13.

Narrin, Austin R., Lake Orion, assignor to B. G. Quirk, Birmingham, Mich. Compressible clutch plate. 2,596,588, May 13.

Nason, Howard K.: *See*—
Nielsen, Morris L., and Nason.

National Cylinder Gas Company, assignee: *See*—
Bowden, James H.

National Lock Company, assignee: *See*—
Stone, Roy A., and Whittom.

National Research Council, assignee: *See*—
Guptill, Ernest W., and Watson.

National Welding Equipment Co., assignee: *See*—
Hammon, George L.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Arenberg, David L.

Naylor, Joseph F., assignor to T. & T. Vicars Limited, Newton-le-Willows, England. Dough molding and the like machine. 2,596,277, May 13.

Naylor, Joseph F., and D. Greener, assignors to T. & T. Vicars Limited, Newton-le-Willows, England. Wafer oven. 2,596,278, May 13.

Nazzaro, Armand L., Montclair, N. J. Decatizing cylinder. 2,596,910, May 13.

Nekola, William J.: *See*—
Wehmiller, Paul K., and Nekola.

Nelly, Henry M., Jr., and T. E. Sullivan, Houston, Tex., assignors to J. F. Pritchard & Co., Kansas City, Mo. Enriching natural gas. 2,596,785, May 13.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Sheet metal punching apparatus. 2,596,911, May 13.

Neuhard, George W.: *See*—
Hampton, William and Neuhard.

Neville Company, The, assignee: *See*—
Geiger, Lyle M.

New Britain Machine Company, The, assignee: *See*—
Montgomery, Donald H.

Newell, William E.: *See*—
Thurlow, Lawrence M., and Newell.

Newey, Herbert A., Richmond, E. C. Shokal and T. F. Bradley, Oakland, assignors to Shell Development Company, San Francisco, Calif. Fractionation process. 2,596,344, May 13.

Newnham, Leonard A., Cockfosters, assignor to The British Electric Resistance Company Limited, Enfield, England. Electric resistance apparatus. 2,596,503, May 13.

Newton, Robert L.: *See*—
McNutt, Anderson D., and Newton.

Nichols, Joseph, Bronx, and V. S. De Marchi, Jamaica, assignors to Interchemical Corporation, New York, N. Y. Condensation of an allylic alcohol and a conjugated diene. 2,596,279, May 13.

Nielsen, Morris L.: *See*—
Marling, Paul E., and Nielsen.

Nielsen, Morris L., and H. K. Nason, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Glowproofing composition comprising phenol-aldehyde resins and water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia. 2,596,936, May 13.

Nielsen, Morris L., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Intumescing composition composed of a nitrogen phosphorus compound with an aldehyde resin. 2,596,937, May 13.

Nielsen, Morris L., R. W. Arnold and E. C. Chapin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Coating composition composed of nitrogen-phosphorus compound with an aldehyde resin together with a water-soluble alkyd resin. 2,596,938, May 13.

Nielsen, Morris L., and P. E. Marling, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Fire retarding coating composition composed of a nitrogen-phosphorus compound with an aldehyde resin and polyhydroxy alcohol. 2,596,939, May 13.

Nierman, Leonard G., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Electronic relay circuit. 2,596,956, May 13.

Noble Manufacturing Co. Inc., assignee: *See*—
Davidson, Robert G.

Nonell, José P., Habana, Cuba. Blind. 2,596,714, May 13.

Norce, Ralph J.: *See*—
Wenrich, Herbert E., and Norce.

Norden Laboratories Corporation, The, assignee: *See*—
Habich, Robert C.

Nordmark, Walter E., J. A. Miller and N. C. Poel, assignors to American Seating Company, Grand Rapids, Mich. Inertia-operated switch. 2,596,427, May 13.

Norrid, James H., Detroit, Mich. Roof construction. 2,596,786, May 13.

Norton Company, assignee: *See*—
Flygare, Carl G.

Nusbaum, Robert O., Elkhart, Ind. Radiator assembly for internal-combustion engines and the like. 2,596,589, May 13.

Nygaard, Herman, Poughkeepsie, N. Y., assignor to Daystrom Electric Corporation. Multigap magnetic transducer head. 2,596,912, May 13.

Nystrom, Karl F., Nashotah, Wis. Railway car side door. 2,596,913, May 13.

Nystrom, Karl T., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Metal covered walls. 2,596,280, May 13.

O'Brien, Logan M., Los Angeles, Calif. Oscillator hydraulic head. 2,596,281, May 13.

Oettinger, Henry, Jr., Forest Hills, assignor to Electrographic Corporation, New York, N. Y. Making mortised printing plates. 2,596,715, May 13.

Ogden, Horace R.: *See*—
Jaffee, Robert I., and Ogden.
Jaffee, Robert I., Ogden and Maykuth.

Ogilvie, James, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. 2,3,5,6, tetramethyl anilino anthraquinones and making the same. 2,596,820, May 13.

Ohio Rubber Company, The, assignee: *See*—
Meyers, George L., and Shutt.

Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,596,282, May 13.

Oliver Iron and Steel Corporation, assignee: *See*—
Berry, Frank.

Olson, Carl S., and A. P. Bergstrand, assignors to Strombeck-Becker Manufacturing Co., Moline, Ill. Wooden toy train construction. 2,596,957, May 13.

O'Malley, Donald W., Chicago, Ill. Tensioning device. 2,596,428, May 13.

O'Neal, Russell D.: *See*—
Tyler, Arthur W., and O'Neal.

O'Neill, Edward M., assignor to Union Machine Company, San Francisco, Calif. Mounting for liquid containers. 2,596,283, May 13.

Opp, Fred W., Costa Mesa, assignor of one-half to W. C. Collins, Santa Ana, Calif. Apparatus for treating soil. 2,596,504, May 13.

Orr, Andrew W., Jr., Detroit, Mich., assignor to G. M. and E. Holley. Automotive pressure carburetor. 2,596,429, May 13.

Orvis, Charles F., Co., Inc., assignee: *See*—
Corkran, Dudley C.

Oster, Robert F.: *See*—
Frischmann, Joseph A., and Oster.

Otis Pressure Control, Inc., assignee: *See*—
Fredd, John V.

Otten, Lawrence F., Fort Thomas, Ky. Carrying case for keys and driver's license. 2,596,716, May 13.

Ottinger, Harry, McKeesport, and E. B. Trayers, Duquesne, Pa., assignors to United States Steel Company. Butterfly valve. 2,596,787, May 13.

Our Savior's Evangelical Lutheran Church, assignee: *See*—
Sundholm, Edwin P.

Overton, Bryan R., Salfords, near Redhill, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Television time base circuit. 2,596,590, May 13.

Owens-Illinois Glass Company, assignee: *See*—
Kegg, Robert R.
Lufkin, Garland.
McCreery, Cecil W., and Hatfield.
McNutt, Anderson D., and Newton.

Pachin, August L., assignee: *See*—
Cottrel, Ralph.

Pachin, Franklin R., assignee: *See*—
Cottrel, Ralph.

Pacifico, John, Staten Island, N. Y. Electric switch combined with fluid control valve. 2,596,505, May 13.

Packard, David, Los Altos, and N. B. Schrock, assignors, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif. Photoelectric system. 2,596,591, May 13.

Packard, E. B., Co., Inc., assignee: *See*—
Soderberg, Gustave J., and Packard.

Packard, Theodore: *See*—
Soderberg, Gustave J., and Packard.

Page, Robert G., New Britain, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,596,506, May 13.

Page, Robert M., Washington, D. C. Ring mounted multiple tube oscillator. 2,596,163, May 13.

Palmer, Brian C., Riverside, Ill., assignor to Rockwell Register Company. Taximeter. 2,596,164, May 13.

Palmer, Cecil A., executor: *See*—
Palmer, Chester A.

Palmer, Chester A., deceased, Waynesville, by C. A. Palmer, executor, Vandalia, Ohio, assignor to N. Palmer, Shock tier. 2,596,717, May 13.

Palmer, Lewis E., Washington, assignor to Union Insulating Co., Inc., Parkersburg, W. Va. Electric lamp receptacle having eyelet shell securing means. 2,596,718, May 13.

Palmer, Nettie, assignee: *See*—
Palmer, Chester A.

Palmer, Stanley B.: *See*—
Paulson, Roy F., and Palmer.

Pankonin, William G., Chicago, Ill. Staple remover. 2,596,719, May 13.

Paragon Electric Company, assignee: *See*—
Everard, Joseph J. M.

Park Metalware Company, Inc., assignee: *See*—
Petre, John N.

Parker, Leonard A., De Witt, Ark. Self-closing paste tube. 2,596,592, May 13.

Parker-McCrory Manufacturing Company, assignee: *See*—
McCrory, Kenneth W., and Rollins.

Parkins, Albert W., assignor to General Motor Corporation, Detroit, Mich. Antichatter floating toolholder. 2,596,821, May 13.

Parva Products Company, assignee: *See*—
Webb, Harry A.

Pastor, Aldo F. and G. F., and E. J. and A. J. Mir, Habana, Cuba. Cylinder lock. 2,596,720, May 13.

Pastor, Giraldo F.: *See*—
Pastor, Aldo F. and G. F., and E. J. and A. J. Mir.

Pataki, John: *See*—
Kaufmann, Stephen, Rosenkranz, and Pataki.

Patchett, F. A., assignee: *See*—
Carpenter, Arthur H., and Calonico.

Paulson, Roy F., Kirkland, and S. B. Palmer, Richmond Beach, Wash. Coin-controlled mechanism for merchandise dispensing devices. 2,596,430, May 13.

Paxton, Dewey M., Phoenix, Ariz., assignor to Industrial Research, Inc. Pressure jet apparatus. 2,596,593, May 13.

Payne, Harold S., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc starting method and composition. 2,596,165, May 13.

Peet, G. M., Packing Co., assignee: *See*—
Uehlein, Louis B.

Penker, Ernest, Flushing, assignor to Etched Products Corporation, Long Island City, N. Y. Sheet holding means. 2,596,864, May 13.

Penrod, Robert E., Johnstown, Pa., assignor to Bethlehem Steel Company. Wheel quenching device. 2,596,345, May 13.

Pentecost, Arthur, Upper Montclair, N. J., and A. E. Schnierstshauer, New York, assignors to Remington Rand Inc., Buffalo, N. Y. Record controlled embossing machine. 2,596,721, May 13.

Perkins, Starling, Chouteau, Okla. Cofferdam. 2,596,788, May 13.

Permutit Company, The, assignee: *See*—
Pick, Eric.

Perry, Charles W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of HCN. 2,596,507, May 13.

Pestarini, Joseph M., New York, N. Y. Direct-current rotary transformer. 2,596,431, May 13.

Petcar Research Corporation, assignee: *See*—
Peters, Melville F.

Peter, Charles R., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Arc chute utilizing staggered U-shaped conductive members. 2,596,865, May 13.

Peters, Leslie J.: *See*—
Reardon, Joseph D., and Peters.

Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Forming thermistor by impregnation. 2,596,284, May 13.

Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Forming beaded structure. 2,596,285, May 13.

Peterson, Thomas F., Shaker Heights, Ohio. Glow lamp mounting. 2,596,166, May 13.

Petre, John N., assignor to Park Metalware Company, Inc., Orchard Park, N. Y. Chuck feature of tools of the detachably connected shank and handle type. 2,596,594, May 13.

Pfizer, Chas., & Co., Inc., assignee: *See*—
Stone, George B.

Phelps, William M., assignor, by mesne assignments, to Chatsworth Manufacturing Co., Chatsworth, Ga. Machine for feeding and inserting screws. 2,596,958, May 13.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and elements thereof. 2,596,286, May 13.

Phillips Petroleum Company, assignee: *See*—
Condon, Francis E.
Perry, Charles W.

Phillips, Washington H.: *See*—
Gard, George E., and Phillips.

Phillips, Willis E., Deerfield, and C. S. Szegho, Chicago, Ill., assignors to The Rauland Corporation. Electron gun for cathode-ray tubes. 2,596,508, May 13.

Philpott, La Verne R., Washington, D. C. Signal generating device. 2,596,167, May 13.
Placentino, Nicholas, Atlantic City, N. J. Making concrete building units. 2,596,914, May 13.
Piasecki Helicopter Corporation, assignee: *See*—
Meyers, Donald N.
Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Apparatus for treating water. 2,596,822, May 13.
Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Apparatus for treating water. 2,596,915, May 13.
Pietzsch, Kurt F., South Hills, Pa., assignor to American Cyanamid Company, New York, N. Y. Method and apparatus for opening sheet metal containers. 2,596,432, May 13.
Pike, Philip L.: *See*—
Carver, George P., and Pike.
Piper, Frank R., and J. M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga. Automatic overedging machine. 2,596,168, May 13.
Pittsburgh Corning Corp., assignee: *See*—
Ford, Walter D.
Pittsburgh Corning Corporation, assignee: *See*—
D'Eustachio, Dominic.
Plantico, Victor D., Manitowoc, Wis. Oil filter for crankcase safety devices. 2,596,789, May 13.
Pneumatic Scale Corporation, Limited, assignee: *See*—
Sterling, Walter S.
Vergobbi, John G.
Poel, Norman C.: *See*—
Nordmark, Walter E., Miller, and Poel.
Polaroid Corporation, assignee: *See*—
Cooper, Dexter F., Jr.
Poole, Arthur J.: *See*—
Shellenberger, Rolfe, and Poole.
Porter, H. K., Company, Inc., assignee: *See*—
Seinfeld, Ludwik.
Portogallo, Henry S., Los Angeles, Calif. Action producing means for musical instruments. 2,596,866, May 13.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Directional antenna system. 2,596,595, May 13.
Potter, Donald A.: *See*—
Ryder, Frank A., and Potter.
Potts, Samuel L., Detroit, Mich. Sliding hinge casement window structure. 2,596,433, May 13.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Fastening device. 2,596,596, May 13.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Drive fastener. 2,596,940, May 13.
Precision Gear and Machine Co. Inc., assignee: *See*—
Hanson, Victor A.
Price Brothers & Company, Limited, assignee: *See*—
Helleur, Donald.
Pritchard, J. F., & Co., assignee: *See*—
Nelly, Henry M., Jr., and Sullivan.
Pritzker, Lee, Baltimore, Md. Coating compositions containing petroleum resins. 2,596,101, May 13.
Proulx, Leonard E., Arlington, Mass., and R. L. Hill, Norway, Maine, assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine 2,596,169, May 13.
Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Brush control for carpet sweepers. 2,596,170, May 13.
Punsmann, Carl, Ridgewood, assignor to Bulova Watch Company, Inc., New York, N. Y. Radio clock. 2,596,790, May 13.
Purple, Leslie P.: *See*—
Evans, Richard H., and Purple.
Pyzel, Robert, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,596,434, May 13.
Quayle, Alexander, Oil City, Pa., assignor to United States Steel Company. Torque converter brake control. 2,596,722, May 13.
Quintella, Newton D., Rio De Janeiro, Brazil. Manufacturing artificial dentures and semimanufactured dentures to be utilized by same process. 2,596,941, May 13.
Quirk, B. G., assignee: *See*—
Narrin, Austin R.
Raasch, Arthur J.: *See*—
Brandt, Axel H., and Raasch.
Rabinow, Jacob, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army. Pressure switch for fuses. 2,596,171, May 13.
Radio Corporation of America, assignee: *See*—
Ergen, William K.
Fernsler, George L.
Goldstine, Hallan E.
Lindenblad, Nils E.
Schroeder, Alfred C.
Ragan, Ralph, Atlanta, Ga. Spinning, twisting, and like apparatus. 2,596,172, May 13.
Raines, J. H., assignee: *See*—
Hudson, Clifford C.
Ranby, Peter W., assignor to Thorn Electrical Industries Limited, London, England. Titanium activated barium pyrophosphate phosphor. 2,596,509, May 13.
Rand, H. J., Washing Machine Corp., assignee: *See*—
Rand, Henry J.
Rand, Henry J., Westport, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio. Washing machine having a nonrigid container. 2,596,791, May 13.
Raney, William E., Cleveland, Ohio. Drill grinder. 2,596,916, May 13.
Ranney, Herbert H., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt. Thread-cutting mechanism. 2,596,723, May 13.
Rauland Corporation, The, assignee: *See*—
Phillips, Willis E., and Ssegho.
Ray, Philip A.: *See*—
Borglin, Joseph N., and Ray.
Raymond, John C., and H. O. Wilcox, Denver, Colo. Syringe nozzle. 2,596,597, May 13.
Reardon, Joseph D., Snyder, and L. J. Peters, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Projection apparatus. 2,596,917, May 13.
Redlich, Solomon, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Motor-light adapter for sewing machines. 2,596,598, May 13.
Reed, Liscomb B., Princeton, N. J. Direction indicator. 2,596,173, May 13.
Reedy, Emmett M.: *See*—
Lowe, Earl W., and Reedy.
Reich, George F. P., Bremerton, Wash. Oil seal. 2,596,174, May 13.
Reich, Gustave T., Philadelphia, Pa. Treatment of carbohydrate-containing liquids for removal of alkaline earth compounds. 2,596,599, May 13.
Remington Arms Company, Inc., assignee: *See*—
Jaffee, Robert I., and Ogden.
Jaffee, Robert I., Ogden, and Maykuth.
Remington Rand Inc., assignee: *See*—
Pentecost, Arthur, and Schniertshauer.
Research Corporation, assignee: *See*—
Busfield, Gordon.
Mueller, Robert K.
Richardson, Harry L.
Reynolds, William G., Cottondale, Ala. Method and apparatus for determining the freeness of wood pulp. 2,596,724, May 13.
Rice, Duncan, Kalamazoo, Mich. Binder or loose sheet holder. 2,596,600, May 13.
Richards, J. A., Company, assignee: *See*—
Richards, John A., Jr.
Richards, Robert E.
Richards, John A., Jr., assignor to J. A. Richards Company, Kalamazoo, Mich. Routing machine. 2,596,868, May 13.
Richards, Robert E., assignor to J. A. Richards Company, Kalamazoo, Mich. Tubular router. 2,596,867, May 13.
Richardson, Harry L., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Apparatus for and method of handling dusty materials. 2,596,601, May 13.
Richardson, Hubert L., Bremerton, Wash. Hat holder. 2,596,287, May 13.
Richardson, William, Edgewood, Pa. Railway track servicing apparatus. 2,596,823, May 13.
Rickert, Hans F., Leverkusen-Bayerwerk, E. Stein, Leverkusen, and O. Bayer, Leverkusen-Bayerwerk, assignors to Farbenfabriken Bayer, Leverkusen, Germany. Preparing cyclohexene. 2,596,102, May 13.
Riddell, Leo H., assignee: *See*—
Guibord, Paul E. M.
Rider, Warren M.: *See*—
Foust, Floyd J., Shaw, McKee, Rider and Burge.
Ridley, John: *See*—
Ward, Robert, and Ridley.
Robbins, Winnie D., Denton, assignor to C. Bentley and R. Crawford, doing business as Scientific Office Products, Dallas, Tex. Ink pad. 2,596,725, May 13.
Robert, Roger A., Boulogne-sur-Seine, France. Jet-propelled aircraft. 2,596,435, May 13.
Robert, Roger A., Boulogne-sur-Seine, France. Folding wing for aircraft. 2,596,436, May 13.
Roberts, David E., assignor to Motorola, Inc., Chicago, Ill. Volume compression circuit. 2,596,510, May 13.
Robertshaw-Fulton Controls Company, assignee: *See*—
Carson, William W., Jr.
Solovieff, George B.
Robertson, Donald W., West Hempstead, and C. F. Duchacek, Long Island City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Filtration of oils and waxes with bauxite. 2,596,942, May 13.
Robertson, Sloan D., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency phase measuring system. 2,596,288, May 13.
Robinson, Lowell V., assignor to Crawford Door Company, Detroit, Mich. Metal door. 2,596,792, May 13.
Rockwell Register Company, assignee: *See*—
Palmer, Brian C.
Roddenbery, Walter B., Jr., Cairo, Ga. Molding machine. 2,596,602, May 13.
Roes, Carl W., Pikesville, Md. Oscillating fish lure. 2,596,959, May 13.
Rohm & Haas Company, assignee: *See*—
de Benneville, Peter L.
Rohr Aircraft Corporation, assignee: *See*—
Weidel, Joseph C.

Rohrback, Gilson H., Whittier, R. A. Stoner, Fullerton, M. Macaulay and W. T. Cardwell, Jr., Whittier, assignors to California Research Corporation, San Francisco, Calif. Method and apparatus for detecting fluid movement in well bores. 2,596,437, May 13.
Rollings, David R., Dearborn, assignor to Security Sash & Screen Company, Detroit, Mich. Spring clip. 2,596,438, May 13.
Rollins, Albert W.: *See*—
McCrory, Kenneth W., and Rollins.
Rome Plow Company, assignee: *See*—
McKay, Augusta P.
Rose, Abe, assignor of one-half to Sidney J. Eisenberg, Chicago, Ill. Baseball game apparatus. 2,596,439, May 13.
Rosenkranz, George: *See*—
Kaufmann, Stephen, Rosenkranz, and Pataki.
Rosenstein, Ludwig, San Francisco, Calif., assignor to Texaco Development Corporation, New York, N. Y. Treating hydrocarbons with alkali metal hydroxides. 2,596,175, May 13.
Ross, Howard S.: *See*—
Mufich, Frank J., and Ross.
Ross, Howard S., Beverly Hills., assignor to Wemac Company, Inglewood, Calif. Valve. 2,596,869, May 13.
Rowell, Alfred L., Chicago, Ill. Animal trap. 2,596,289, May 13.
Rubber-Stichting, assignee: *See*—
van Veersen, Gerardus J.
Ruskin, Simon L., New York, N. Y. Crystalline calcium ascorbate and preparing same. 2,596,103, May 13.
Rydell, Josef G. A., Minneapolis, Minn. Wind motor. 2,596,726, May 13.
Ryder, Frank A., and D. A. Potter, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill. Heater combustion control system. 2,596,290, May 13.
Rykert, Willard C., Hinsdale, assignor to Union Special Machine Company, Chicago, Ill. High-frequency tuning apparatus particularly adapted to seamers. 2,596,727, May 13.
Sackner Products, Inc., assignee: *See*—
Sackner, Wade E.
Sackner, Wade E., Grand Rapids, Mich., assignor to Sackner Products, Inc. Pad for upholstery and the like. 2,596,292, May 13.
Safety Car Heating and Lighting Company, Inc., The, assignee: *See*—
Dodds, Robert B.
St. Joseph Lead Company, assignee: *See*—
Bain, Charles K.
Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Turning signal device for automotive vehicles. 2,596,440, May 13.
Sanderson, Earlie C., Wallace, N. C. Repeating magazine slingshot. 2,596,870, May 13.
Sands, Charles T., Jr., Baltimore, Md. Lighting unit for airfields. 2,596,603, May 13.
Sanford, Roy S.: *See*—
Eaton, Wilfred A., and Sanford.
Sauer, George, Berwyn, and C. C. Smith, assignors to Union Special Machine Company, Chicago, Ill. Lubrication system for sewing machines. 2,596,728, May 13.
Schabelitz, Ernest J., Rincon, Calif. Extraction of valuable constituents from unexposed oil-bearing shales not spent by oxidation. 2,596,793, May 13.
Schaeffer, Lewis C., Fremont, assignor to Kitchen-Quip, Inc., Fort Wayne, Ind. Kitchen utensil for slicing and cutting articles of food. 2,596,604, May 13.
Schilkil, Otto, Zurich, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland. Cartridge feeding mechanism for the magazines of automatic firearms. 2,596,293, May 13.
Scheig, Fritz E.: *See*—
Jeffries, Claude M., and Scheig.
Scheller, Herbert O., Nokomis, Ill. Ventilator. 2,596,605, May 13.
Scherer, Bernard L., New York, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn. Inverter starting circuit. 2,596,606, May 13.
Scherer, R. P., Corporation, assignee: *See*—
Scherer, Robert P.
Scherer, Robert P., assignor to R. P. Scherer Corporation, Detroit, Mich. Forming stripes on capsules and the like. 2,596,176, May 13.
Schiavon, Bruno, Castellanaz, Italy. Heald raising device for weaving looms. 2,596,177, May 13.
Schieffelin & Co., assignee: *See*—
Silverman, Milton, and Heinemann.
Treves, Gino R.
Whitacre, Francis M., and Van Praag.
Schmidt, John, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Credit accumulator mechanism. 2,596,441, May 13.
Schmitter, Walter P., Wauwatosa, assignor to The Falk Corporation, Milwaukee, Wis. Speed reducer. 2,596,794, May 13.
Schneible, Claude B., Detroit, Mich. Column apparatus. 2,596,104, May 13.
Schneible, Claude B., Detroit, Mich. Column apparatus. 2,596,105, May 13.
Schneible, Claude B., Detroit, Mich. Column apparatus. 2,596,106, May 13.
Schniertshauer, Albert E.: *See*—
Pentecost, Arthur, and Schniertshauer.
Schoenholz, Daniel, Bronx, and H. Terry, New York, N. Y., assignors to Foster D. Snell Inc. Bright drying finishing composition. 2,596,960, May 13.
Scholting, Melvin J., San Francisco, Calif. Tepee. 2,596,442, May 13.
Schrade, George M., Bridgeport, Conn. Pocket knife. 2,596,294, May 13.
Schrock, Norman B.: *See*—
Packard, David, and Schrock.
Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Television receiving system. 2,596,918, May 13.
Schroeder, Carl W.: *See*—
Shokal, Edward C., and Schroeder.
Schroeder, John A., and A. W. Bower, Denver, Colo. Flat-car endgates. 2,596,295, May 13.
Schuidt, Howard J., assignor to General Motors Corporation, Detroit, Mich. Sheet metal nut attaching machine. 2,596,871, May 13.
Schulze, Clinton W., Detroit, Mich. Faucet construction. 2,596,795, May 13.
Scientific Office Products, assignee: *See*—
Robbins, Winnie D.
Scott, Carl W., Kirkland, Wash. Filling and weighing device for bins. 2,596,824, May 13.
Scott, Charles H., Westport, assignor to The Dorf Company, Stamford, Conn. Lubricator. 2,596,607, May 13.
Scott, Robert J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., as trustee for H. J. and F. L. Taige. Steam iron. 2,596,608, May 13.
Scott & Williams, Incorporated, assignee: *See*—
Curtis, Horace L.
Scovill Manufacturing Company, assignee: *See*—
Williams, Selden T.
Searle, G. D., & Co., assignee: *See*—
Krimmel, Carl P.
Security Sash & Screen Company, assignee: *See*—
Rollings, David R.
See, Walter G., Hammond, Ind. Fuel ignition system. 2,596,729, May 13.
Seeler, Henry, Heidelberg, Germany. Pressure responsive regulator. 2,596,178, May 13.
Seinfeld, Ludwik, New Providence Township, Union County, N. J., assignor, by mesne assignments, to H. K. Porter Company, Inc., Pittsburgh, Pa. Plugcock. 2,596,730, May 13.
Seismograph Service Corporation, assignee: *See*—
Barthelmes, Albert J.
Seme, John J., Cleveland, Ohio. Sliding post caliper. 2,596,731, May 13.
Seymour, Malcolm, assignor to B. B. Chemical Co., Boston, Mass. Supported adhesive sheet material unit and making the same. 2,596,179, May 13.
Shabaker, Hubert A.: *See*—
Weidman, Walter L., Shabaker, and Cornelius.
Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Sulfidation of minerals. 2,596,609, May 13.
Shabaker, Hubert A., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for contacting solid materials with fluids. 2,596,610, May 13.
Shannon, William W., Glen Cove, N. Y., assignor to Fairchild Camera and Instrument Corporation. Rebalancing servo system. 2,596,732, May 13.
Sharp, Allen W., assignor to Barker Poultry Equipment Company, Ottumwa, Iowa. Picking fowl. 2,596,443, May 13.
Shaw, Willard C.: *See*—
Foust, Floyd J., Shaw, McKee, Rider, and Burge.
Sheen, Robert T., Wyndmoor, Philadelphia, assignor to Milton Roy Company, Springfield, Pa. Proportional feed system. 2,596,943, May 13.
Shell Development Company, assignee: *See*—
Cox, Robert, and Sipkes.
Crake, Wilfred S. E.
Jordan, John T.
Newey, Herbert A., Shokal, and Bradley.
Shokal, Edward C., and Schroeder.
Tess, Roy W. H., Jakob, and Bradley.
Wachter, Aaron, and Stillman.
Wolff, Harold I.
Shellenberger, Rolfe, Belvidere, and A. J. Poole, Belleville, N. J., assignors to The Babcock & Wilcox Company, New York, N. Y. Furnace lighter with mechanically interlocked controls. 2,596,944, May 13.
Sheridan Iron Works, The, assignee: *See*—
Hawkes, Thomas B.
Sheridan, T. W. & C. B., Company, assignee: *See*—
Hawkes, Thomas B.
Sherman, Tracy H., South Nyack, assignor to Foster Wheeler Corporation, New York, N. Y. Furnace wall. 2,596,180, May 13.
Shields, Lavelle W., Waterbury, Conn. Comb. 2,596,296, May 13.
Shipley, Dorothy K.: *See*—
Hill, William H., and Shipley.
Shokal, Edward C.: *See*—
Newey, Herbert A., Shokal, and Bradley.
Shokal, Edward C., Oakland, and C. W. Schroeder, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Copolymers of 1-alkenyl nitriles and allylic esters of aromatic dicarboxylic acids. 2,596,945, May 13.

Shotter, George F., Great Mongeham, near Deal, and H. D. Hawkes, New Eltham, England. Method of and apparatus for measuring electrical quantities. 2,596,297, May 13.

Shreffler, Vivian A. D., Barnsdall, Okla., assignor of one-half to K. W. Jeter, Sr. Piston head construction for hydraulic brake cylinders. 2,596,298, May 13.

Shutt, John C.: *See*—
Meyers, George L., and Shutt.

Sibner, Marvin, Richmond Hill, N. Y. Skiing pole. 2,596,733, May 13.

Siegerist, Walter, University City, Mo. Turning machine. 2,596,444, May 13.

Siekmann, Harold J., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Crankshaft lathe tool feeding mechanism. 2,596,511, May 13.

Silverman, Milton, Forest Hills, and B. Heinemann, De Witt, assignors to Schieffelin & Co., New York, N. Y. Use of carbalkoxy hydroxy benzocoumarin against fungi. 2,596,107, May 13.

Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting thermochemical conversions. 2,596,299, May 13.

Sinclair Refining Company, assignee: *See*—
Watson, Kenneth M., and Smith.

Sipkes, Hendrik: *See*—
Cox, Robert, and Sipkes.

Six, Willem, H. G. Beijers, and J. te Winkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Signal receiver for carrier-wave telephony systems. 2,596,612, May 13.

Skowron, Edmund A., Pittsburgh, assignor to Woodings-Verona Tool Works, Verona, Pa. Rail clip forming machine. 2,596,734, May 13.

Skromme, Arnold B., Ottumwa, assignor to Deere Manufacturing Co., Dubuque, Iowa. Bale case extension for agricultural balers. 2,596,872, May 13.

Smith, Clarence C.: *See*—
Sauer, George, and Smith.

Smith, Lawrence J., Oak Park, assignor to Bell & Gossett Company, Morton Grove, Ill. Heating system. 2,596,300, May 13.

Smith, Robert L.: *See*—
Watson, Kenneth M., and Smith.

Smith, Robert W., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Band track. 2,596,919, May 13.

Smith, Warren M., and W. D. Luening, Baton Rouge, La., and S. C. Lane, Roselle, N. J., assignors to Standard Oil Development Company. Synthesis of oxygenated organic compounds. 2,596,920, May 13.

Smith, William M., Wheaton, B. F. Freeberg, and A. W. Tharp, assignors to Vapor Heating Corporation, Chicago, Ill. Mercury column thermostatic switch. 2,596,825, May 13.

Smole, Jack F., Cleveland Heights, assignor, by mesne assignments, to Lempco Products, Inc., Bedford, Ohio. Honing tool. 2,596,961, May 13.

Snell, Foster D., Inc., assignee: *See*—
Schoenholz, Daniel, and Terry.

Snowden, Norwood L.: *See*—
Willie, Carl H., and Snowden.

Societe Anonyme Des Usines Chausson, assignee: *See*—
Chausson, Gaston.

Societe Anonyme dite: Societe Miniere et Metallurgique de Penarroya, assignee: *See*—
Listrat, Jean J.

Societe Rateau (Société Anonyme), assignee: *See*—
Imbert, Roger J.

Sockell, William J., Raleigh, N. C. Automatic brake slack adjuster for railroad car brake riggings. 2,596,301, May 13.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Robertson, Donald W., and Duchacek.
Simpson, Thomas P.

Soderberg, Gustave J., Babylon, N. Y., and T. Packard, East Orange, N. J.; said Packard assignor to E. B. Packard Co., Inc., New York, N. Y. Wood fastener. 2,596,181, May 13.

Solmes, William P., Toronto, Ontario, Canada. Visor for vehicles and the like. 2,596,873, May 13.

Solovieff, George B., South Gate, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control for gaseous fuel burners. 2,596,796, May 13.

Soltysik, Edmund J., assignor to Illinois Tool Works, Chicago, Ill. Toothed shouldered spring retainer clip. 2,596,346, May 13.

Sonntag, Robert B., Dallas, Tex. Cooking stove ventilating hood. 2,596,874, May 13.

Sorensen & Company, Inc., assignee: *See*—
Scherer, Bernard L.

Sosaya, Frank F., Santa Fe, N. Mex. Closet flange and test cap. 2,596,182, May 13.

Sowa, Frank J., Cranford, N. J., assignor to American Machine and Foundry Company. Increasing the volume of shredded tobacco. 2,596,183, May 13.

Spafford, Ralph W., assignor to The Louden Machinery Company, Fairfield, Iowa. Crane control system. 2,596,347, May 13.

Sparks, Harold E., Temple, Okla. Rub-board bridle support. 2,596,613, May 13.

Sperry, Paul A., New Haven, Conn. Heddle for weaving devices. 2,596,445, May 13.

Sprague Electric Company, assignee: *See*—
Dorst, Stanley O.

Squyres, Clarence W., assignor of forty-nine per cent to J. S. McCall, Carlsbad, N. Mex. Map supporting easel. 2,596,302, May 13.

Stamper, Hamilton A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Electric recording apparatus. 2,596,446, May 13.

Standard Car Truck Company, assignee: *See*—
Leese, Charles P.

Standard Corrugated Case Corp., assignee: *See*—
Liskin, Louis D.

Standard Oil Development Company, assignee: *See*—
McGovney, James E.
Smith, Warren M., Luening, and Lane.
Stone, Albert L.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Nystrom, Karl T.

Stanolind Oil and Gas Company, assignee: *See*—
Clark, Joseph B.
Farris, Riley F.
Fast, Clarence R.

Starck, Clemens B.: *See*—
Nadeau, Gale F., and Starck.

Stead, Richard H., Revere, Mass. Pocket razor blade knife. 2,596,303, May 13.

Stegall, Roy, Chicago, Ill. Indexing grinding fixture. 2,596,304, May 13.

Stein, Eberhard: *See*—
Rickert, Hans F., Stein, and Bayer.

Stepien, William J., Chicago, Ill. Illuminated wall bracket. 2,596,614, May 13.

Sterling, Walter S., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Conveyer. 2,596,615, May 13.

Stern, William, assignor to Illinois Tool Works, Chicago, Ill. Thread rolling machine. 2,596,962, May 13.

Stevens, John C., assignor to Leupold & Stevens Instrument, Inc., Portland, Oreg. Recording instrument. 2,596,305, May 13.

Stewart, Floyd D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of 1-acetoxy-1,1-dicyano ethane. 2,596,826, May 13.

Stewart, Thomas W., assignor to Weyerhaeuser Timber Company, Longview, Wash. Handling waste sulfite liquor. 2,596,875, May 13.

Stewart-Warner Corporation, assignee: *See*—
Ryder, Frank A., and Potter.

Stillman, Nathan: *See*—
Wachter, Aaron, and Stillman.

Stodgell, Clare A., Seattle, Wash. Cigarette and ash tray for saucers. 2,596,921, May 13.

Stone, Albert L., Redondo Beach, Los Angeles, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Apparatus for moving pipe. 2,596,828, May 13.

Stone, George B., Hempstead, assignor to Chas. Pfizer & Co., Inc., New York, N. Y. Preparing crystalline anhydrous theophylline. 2,596,946, May 13.

Stone, Roy A., and R. M. Whittom, assignors to National Lock Company, Rockford, Ill. Corner trim. 2,596,827, May 13.

Stoner, Robert A.: *See*—
Rohrback, Gilson H., Stoner, Macaulay, and Cardwell.

Storey, Alvin B., Cumberland, Md., assignor to Celanese Corporation of America. Device for producing stapilized yarns. 2,596,306, May 13.

Strezynski, George J., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Method and system for separating solids from liquids. 2,596,616, May 13.

Strohm, Vernon L., and E. R. Kelly, Waukegan, Ill., assignors to United States Steel Company. Bundle compressor. 2,596,797, May 13.

Strombeck-Becker Manufacturing Co., assignee: *See*—
Olson, Carl S., and Bergstrand.

Stuffer, Rowen S., East Riverton, N. J., assignor, by mesne assignments, to C. Litzenberg, Philadelphia, Pa. Electrostripping electrodeposited metals. 2,596,307, May 13.

Suarez, John H., Brooklyn, N. Y. Sink pad. 2,596,735, May 13.

Sullivan, Thomas E.: *See*—
Nelly, Henry M., Jr., and Sullivan.

Sundholm, Edwin P., assignor to Our Savior's Evangelical Lutheran Church, Albert City, Iowa. Grease gun. 2,596,447, May 13.

Superior Tube Company, assignee: *See*—
Briggs, Thomas H., Jr.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.

Sutton, Max C., Pontiac, Mich. Building and shaping plastic products without molds. 2,596,184, May 13.

Swimmer, Albert T., assignor to The General Fireproofing Company, Youngstown, Ohio. Locking means for desk drawers. 2,596,185, May 13.

Syntex S. A., assigne: *See*—
Kaufmann, Stephen, Rosenkranz, and Pataki.

Szegho, Constantin S.: *See*—
Phillips, Willis E., and Szegho.

Taecker, Rollin G., Manhattan, Kans. Mixing unit for refrigerators. 2,596,876, May 13.

Talge, Foster L., assignee: *See*—
Scott, Robert J.

Talge, Henry J., assignee: *See*—
Scott, Robert J.

Talon, Inc., assignee: *See*—
Meech, Ralph E.

Tann, Fred A., Los Angeles, Calif., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Hydraulic brake booster unit. 2,596,348, May 13.

Tanner, Gustaf, Sala, Sweden. Producing sponge metal. 2,596,877, May 13.

Teague, Peyton C.: *See*—
Carhart, Homer W., and Teague.

Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Increasing number of holes in apertured metal screens. 2,596,617, May 13.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Johnson, Karl G., and Hofstrand.

Telefon Fabrik Automatic A/S, assignee: *See*—
Ungar, Ernest.

Teleregister Corporation, The, assignee: *See*—
Bush, Joseph L.

Templeton, John A., Hollis, Okla. Fuel supply system. 2,596,736, May 13.

Terry, Herbert: *See*—
Schoenholz, Daniel, and Terry.

Tess, Roy W. H., Orinda, R. H. Jakob, San Francisco, and T. F. Bradley, Orinda, assignors to Shell Development Company, Emeryville, Calif. Styrenated products. 2,596,737, May 13.

Te Winkel, Jan: *See*—
Six, Willem, Beijers, and te Winkel.

Texaco Development Corporation, assignee: *See*—
Rosenstein, Ludwig.

Tharp, Alva W.: *See*—
Smith, William M., Freeberg, and Tharp.

Thermomatic (Engineers) Limited, assignee: *See*—
Morton, Frederick S.

Thiem, Clarence C., Markesan, Wis. Clutch release attachment for tractors. 2,596,618, May 13.

Thomas, Frank S., Jr., assignor to Development Corporation, Inc., St. Louis, Mo. Kick starter. 2,596,512, May 13.

Thomas, Paul B.: *See*—
Darby, William S., and Thomas.

Thomas, Roscoe R., Fairfield, Ala., assignor to United States Steel Company. Furnace shell construction. 2,596,738, May 13.

Thompson, Albert R., Los Gatos, Calif., assignor to Food Machinery and Chemical Corporation. Apparatus for feeding and orienting pears. 2,596,798, May 13.

Thompson, James V.: *See*—
McKay, James B., and Thompson.

Thompson Products, Inc., assignee: *See*—
Booth, James H.

Thompson, Wirt L., Jr.: *See*—
Johnson, Thomas H., and Thompson.

Thoms, Louis, Birmingham, assignor to General Motors Corporation, Detroit, Mich. Torsion bar suspension for individual wheel mountings. 2,596,922, May 13.

Thomson, Samuel G., Flushing, N. Y. Railroad rail unsymmetrical sides. 2,596,619, May 13.

Thor, Oscar, Nutley, N. J. Reversible rug display cabinet. 2,596,291, May 13.

Thorn Electrical Industries Limited, assignee: *See*—
Ranby, Peter W.

Thurlow Glove Company, assignee: *See*—
Thurlow, Lawrence M., and Newell.

Thurlow, Lawrence M., W. E. Newell, assignors to Thurlow Glove Company, Portland, Oreg. Seamless palm glove. 2,596,349, May 13.

Tillyer, Edgar D., Southbridge, Mass., and A. H. Bennett, Kenmore, N. Y., assignors to American Optical Company, Southbridge, Mass. Aberration corrector member for image forming optical objectives. 2,596,799, May 13.

Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H., and Kelley.

Titone, Anthony J., Corona, N. Y. Preformed necktie. 2,596,739, May 13.

Tocci-Guilbert, Berne, San Francisco, Calif. Forming flexible joints in belting. 2,596,513, May 13.

Toledo Scale Company, assignee: *See*—
Clague, James D., and Anstice.
Kendall, Donald B.

Toronto, Thomas, Grand View, assignor to Robert Gair Company, Inc., New York, N. Y. Apparatus for stacking sheet material. 2,596,448, May 13.

Towmotor Corporation, assignee: *See*—
Frischmann, Joseph A.
Frischmann, Joseph A., and Oster.

Townsend, Rex, Greenwich, Conn., Wrapper for candy bars or the like. 2,596,620, May 13.

Trayers, Edward B.: *See*—
Ottinger, Harry, and Trayers.

Treves, Gino R., assignor to Schieffelin & Co., New York, N. Y. Nitro substituted products of di(alkoxyphenyl) ethane. 2,596,108, May 13.

Trice Products Corporation, assignee: *See*—
Bayes, Charles A.

Troy, Ellen, New York, N. Y. Ornamentation for stockings and other stretchable materials. 2,596,965, May 13.

Trusler, Ralf B., assignor to The Davies-Young Soap Company, Dayton, Ohio. Wax compound and making. 2,596,829, May 13.

Tulagin, Vsevolod: *See*—
Gunther, Robert C., and Tulagin.

Turkel, Henry, Detroit, Mich. Infant nasal feeding tube. 2,596,947, May 13.

Tuttle, Fordyce E., and W. Bornemann, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for photographing and exhibiting a multiplicity of different pictures in succession. 2,596,740, May 13.

Tyler, Arthur W., and R. D. O'Neal, assignors to Eastman Kodak Company, Rochester, N. Y. External memory device for electronic digital computers. 2,596,741, May 13.

Udale, Stanley M., Detroit, Mich, assignor to G. M. and E. Holley. Ignition device. 2,596,830, May 13.

Uehlein, Louis B., assignor to G. M. Peet Packing Co., Chesaning, Mich. Sliced bacon package. 2,596,514, May 13.

Ulrich Foundation, Inc., assignee: *See*—
Ulrich, Raymond M.

Ulrich, Raymond M., Roanoke, Ill., assignor to Ulrich Foundation, Inc. Wagon hoist. 2,596,948, May 13.

Ungar, Ernest, assignor of one-half to Telefon Fabrik Automatic A/S, Copenhagen, Denmark. Metering system for telephony. 2,596,308, May 13.

Union Insulating Co., Inc., assignee: *See*—
Palmer, Lewis E.

Union Machine Company, assignee: *See*—
O'Neill, Edward M.

Union Oil Company of California, assignee: *See*—
McKinnis, Art C.

Union Special Machine Company, assignee: *See*—
Rykert, Willard C.
Sauer, George, and Smith.

Union Totalisator Company Limited, The: *See*—
Handley, John.

United Shoe Machinery Corporation, assignee: *See*—
Campbell, Charles R., Jr.
Eastman, Fred C.
Proulx, Leonard E., and Hill.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Clarke, Howard F.
Molloy, Everett W.
Nierman, Leonard G.

U. S. Metal Products Company, Inc., assignee: *See*—
Lapidus, Sol H.

United States Steel Company, assignee: *See*—
Egge, Klaus.
Maier, August R.
Moore, Dewey R.
Ottinger, Harry, and Trayers.
Quayle, Alexander.
Strohm, Vernon L., and Kelly.
Thomas, Roscoe R.

Universal Oil Products Company, assignee: *See*—
Grote, Henry W.
Mavity, Julian M.

Urbanski, Edward: *See*—
Dowling, Andrew J., and Urbanski.

Urich, William, Whittier, Calif. Supplemental top for automobiles. 2,596,309, May 13.

Vance, Victor, assignee: *See*—
Dendy, Tally M.

Van Haaften, Egbert, Lancaster Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Shock absorbing watch bearing. 2,596,449, May 13.

Van Loon, Carel J., C. de Koning, and M. de Vroome, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Magnetic recording device. 2,596,621, May 13.

Vannérus, Torbjörn, Motala Verkstad, Sweden. Recuperative heat exchanger of the counterflow type for gaseous media. 2,596,622, May 13.

Van Praag, Dina: *See*—
Whitacre, Francis M., and Van Praag.

Van Slooten, Jacob, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio-frequency oscillator power supply system. 2,596,623, May 13.

Van Veersen, Gerardus J., The Hague, Netherlands, assignor to Rubber-Stichting, Delft, South Holland, Netherlands. Preparation of hydrohalogenated rubber. 2,596,878, May 13.

Van Wageningen, Johan H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiving circuit. 2,596,624, May 13.

Vapor Heating Corporation, assignee: *See*—
Smith, William M., Freeburg, and Tharp.

Vaughn, Remsen S., and F. R. Bean, assignors to Eastman Kodak Company, Rochester, N. Y. N-substituted ethylene thioureas. 2,596,742, May 13.

Vergobbi, John G., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Web feeding mechanism for package forming machines. 2,596,625, May 13.

Vermeiren, Theophile I. S., Deurne-Anvers, Belgium. Electric device. 2,596,743, May 13.
Vernon Tool Co. Ltd., assignee: *See*—
Haines, Marcus W.
Vicars, T. & T. Limited, assignee: *See*—
Crosland, Edward M.
Fletcher, William P.
Naylor, Joseph F.
Naylor, Joseph F., and Greener.
Wilde, Albert E.
Visugage, Inc., assignee: *See*—
Haatvedt, Ervin C.
Vita, Lawrence, Smithtown Branch, N. Y. Dispensing device for collapsible tubes. 2,596,310, May 13.
Vitarama Corporation, The, assignee: *See*—
Waller, Fred.
Vitoux, Marcel, Paris, France, assignor to American Vitos Company, Inc., New York, N. Y. Knitting needle. 2,596,311, May 13.
Vogel, William E., assignor to Lighting Specialties, Inc., Los Angeles, Calif. Lamp shade and mounting therefor. 2,596,626, May 13.
Volk, Paul F., Warwick, R. I., assignor to Carl Art, Inc. Extension device. 2,596,186, May 13.
Von Mertens, Ernest K., West Hartford, Conn. Dispenser of kitchen articles. 2,596,312, May 13.
Vonnegut, Bernard, Alplaus, N. Y., assignor to General Electric Company. Moisture indicating instrument. 2,596,744, May 13.
Wachter, Aaron, and N. Stillman, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Corrosion-inhibiting coating composition containing organic amine nitrites. 2,596,450, May 13.
Waddell, Homer J., Baltimore, and A. H. Edmonds, Lancaster, Ohio, assignors, by mesne assignments, to The Waddell Manufacturing Company, Inc. Lubricated plug valve. 2,596,963, May 13.
Waddell, Homer J., Baltimore, and A. H. Edmonds, Lancaster, Ohio, assignors, by mesne assignments, to The Waddell Manufacturing Company, Inc. Lubricated plug valve. 2,596,964, May 13.
Waddell Manufacturing Company, Inc., The, assignee: *See*—
Waddell, Homer J., and Edmonds.
Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Push-button tuner driving mechanism. 2,596,451, May 13.
Wagoner, Roscoe K., deceased, Evansville, Ind.; S. V. Wagoner, administratrix of said R. K. Wagoner. Dough shaping machine. 2,596,313, May 13.
Wagoner, Sophia V., administratrix: *See*—
Wagoner, Roscoe K.
Wahnish, George I., Los Angeles, Calif. Glare prevention device for automobiles. 2,596,627, May 13.
Waite, Gilbert D.: *See*—
Espey, George B., and Waite.
Waldinger, Paul, Flushing, N. Y. Dialing means for dial telephones. 2,596,628, May 13.
Waldman, Rose, Jersey City, N. J. Combination jacket, trouser, and tie hanger. 2,596,745, May 13.
Wales, Nathaniel B., assignor to Industrial Patent Corporation, New York, N. Y. Automatic support for flatirons. 2,596,314, May 13.
Wallace, Daisy T., administratrix: *See*—
Wallace, Edward E.
Wallace, Edward E., deceased, Cleveland Heights, Ohio; D. T. Wallace, administratrix of said E. E. Wallace. Hydraulic valve operating system for internal-combustion engines. 2,596,350, May 13.
Waller, Fred, Huntington, assignor to The Vitarama Corporation, Huntington Station, N. Y. Panoramic camera with stationary film. 2,596,746, May 13.
War, United States of America as represented by the Secretary of, assignee: *See*—
Bradford, Eliot B., Africano, and Hickman.
Ward, Alan E., Chicago, Ill. Towing mast for trucks. 2,596,629, May 13.
Ward, Robert, and J. Ridley, Birmingham, England. Mechanical handling truck. 2,596,747, May 13.
Warren, Dennis E., and P. Branson, Rockville, Ind. Motor vehicle headlight marker. 2,596,879, May 13.
Watkins, George B., and R. A. Gaiser, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Coating vitreous substances. 2,596,515, May 13.
Watson, Kenneth M., Madison, Wis., and R. L. Smith, Western Springs, Ill., assignors to Sinclair Refining Company, New York, N. Y. Catalyst regeneration system. 2,596,748, May 13.
Watson, William H.: *See*—
Guptill, Ernest W., and Watson.
Watts, William J., Philipsburg, and F. B. Cadman, Osceola Mills, Pa.; said Cadman assignor to said Watts. Bark-removing machine having horizontally and vertically guided cutter. 2,596,187, May 13.
Weatherhead Company, The, assignee: *See*—
Hufferd, George H.
Hunziker, Fred.
Weaver, Lawrence G., Evanston, Ill. Hearing aid earpiece. 2,596,351, May 13.
Webb, Gordon H.: *See*—
Jack, John M., Webb, and Jefferson.
Webb, Harry A., Mount Carmel, Conn., assignor to Parva Products Company, Chicago, Ill. Footwear. 2,596,188, May 13.
Webb, Wells A., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Method and apparatus for drying containers. 2,596,800, May 13.
Webber, Owen, Bayonne, N. J. Utility cart. 2,596,749, May 13.
Webster-Chicago Corporation, assignee: *See*—
Dale, Colin B.
Wegert, E. C., assignee: *See*—
Anderson, Harold H.
Wehmiller, Paul K., Kirkwood, and W. J. Nekola, Normandy, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Illuminating device for inspection of contents of bottles. 2,596,452, May 13.
Weidel, Joseph C., Bonita, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Method and machine for spotwelding. 2,596,453, May 13.
Weidman, Walter L., Woodbury, N. J., H. A. Shabaker, Media, and E. B. Cornelius, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Chemical treatment of finely divided solids. 2,596,611, May 13.
Weiss, Charles C., Oklahoma City, Okla. Die for tong heads. 2,596,880, May 13.
Weissberger, Arnold: *See*—
Young, Richard V., and Weissberger.
Welch, Nicholas A., West Hartford, and W. J. Zelgenhein, assignors to The American Hardware Corporation, New Britain, Conn. Lock. 2,596,949, May 13.
Wellington, Welton G., assignor to Falcon Products, Inc., Pomona, Calif. Piston construction. 2,596,516, May 13.
Welsh Manufacturing Company, assignee: *See*—
Lindblom, Frank W.
Weltronic Company, assignee: *See*—
Wright, Harold E., Jr.
Wemac Company, assignee: *See*—
Mufich, Frank J., and Ross.
Ross, Howard S.
Wenrich, Herbert E., and R. J. Norce, Berwick, Pa. Loom box front. 2,596,315, May 13.
Werfel, Bernard, assignee: *See*—
Gerhardt, Fred.
West Point Manufacturing Company, assignee: *See*—
Piper, Frank R., and Gardner.
Western Electric Company, Incorporated, assignee: *See*—
Gross, Herbert R., and Massingham.
Western States Machine Company, The, assignee: *See*—
Hertrich, Joseph.
Wetta, Joseph L.: *See*—
Bert, Raymond E., and Wetta.
Weyant, Valone V., assignor to The Yoder Co., Cleveland, Ohio. Sawing machine. 2,596,630, May 13.
Weyerhaeuser Timber Company, assignee: *See*—
Stewart, Thomas W.
Whitacre, Francis M., Manhasset, and D. Van Praag, assignors to Schieffelin & Co., New York, N. Y. Acylated amino acid silver salts. 2,596,631, May 13.
White Cabinet Corporation, assignee: *See*—
White, Charles C.
White, Charles C., assignor to White Cabinet Corporation, New York, N. Y. Refrigerator. 2,596,316, May 13.
White, Francis E., assignor to Birmingham Fabricating Company, Birmingham, Ala. Material storage and handling container. 2,596,881, May 13.
Whitehead Stamping Compay, assignee: *See*—
Whitehead, Thomas C.
Whitehead, Thomas C., assignor to Whitehead Stamping Company, Detroit, Mich. Mirror supporting means. 2,596,632, May 13.
Whitmoyer, Joshua S., Watsontown, Pa. Nail puller. 2,596,831, May 13.
Whitney, Wiley: *See*—
Michael, Henry J., and Whitney.
Whittom, Robert M.: *See*—
Stone, Roy A., and Whittom.
Wickham, Hull, Mattituck, N. Y., E. F. Burton, and E. G. Mason, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Folding seat. 2,596,750, May 13.
Wicks, Victor A., assignee: *See*—
McGarvey, Robert W.
Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Replacing web rolls in printing machines. 2,596,189, May 13.
Wiersig, Walter W., Alva, Okla. Motor drive unit for combines. 2,596,633, May 13.
Wiesen, Bernard, Bronx, N. Y. Automatically adjustable wrench. 2,596,882, May 13.
Wilcox, Henry O.: *See*—
Raymond, John C., and Wilcox.
Wild, Rudolf F., Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,596,751, May 13.
Wilde, Albert E., assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Biscuit-cutting and the like machinery. 2,596,317, May 13.
Wilde, Arthur, assignee: *See*—
Groves, Martin V.
Wiley, Carl A., Yellow Springs, Ohio. Dielectric horn. 2,596,190, May 13.

Wilhelmi, Carl J., Chicago, Ill. Ventilator mechanism. 2,596,801, May 13.
Will, George W., Cleveland, Ohio. Lock device. 2,596,802, May 13.
Willi, Carl H., and N. L. Snowden, assignors to Caterpillar Tractor Co., Peoria, Ill. Control for cable winding drums. 2,596,318, May 13.
Williams, Edward B., Jr., Greenville, Tex. Core barrel. 2,596,832, May 13.
Williams, Joseph M., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Gold alloys. 2,596,454, May 13.
Williams, Robert L., A. F. Lammers, and H. W. Zipp, assignors to Boeing Airplane Company, Wichita, Kans. Aircraft flight refueling apparatus. 2,596,455, May 13.
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Gun trigger pull gauge. 2,596,456, May 13.
Williams, William D., Scotia, N. Y., assignor to General Electric Company. Magnetostriction measuring instrument. 2,596,752, May 13.
Williamson, Charles D., Fort Worth, Tex., and G. Fuller, New Rochelle, N. Y., assignors to Williamson-Dickie Manufacturing Co., Fort Worth, Tex. Woven fabric. 2,596,803, May 13.
Williamson-Dickie Manufacturing Co., assignee: *See*—
Williamson, Charles D., and Fuller.
Wimmer, Ludwig, Middletown, Conn., assignor, by mesne assignments, to Emhart Manufacturing Company. Bottle arranging machine. 2,596,319, May 13.
Wince, Vearl S., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Direct lighting fixture. 2,596,634, May 13.
Windhorn, William M., Jr., Oxnard, Calif. Rotating nozzle spray gun. 2,596,191, May 13.
Winger, Lloyd T., Trinidad, Colo. Processing and canning whole sweet milk. 2,596,753, May 13.
Wise, Gary E., assignor to Holdenline Company, Cleveland, Ohio. Fish lure. 2,596,883, May 13.
Witte, James G., Wheaton, Ill., assignor to W. I. Evans and E. Bianco, Los Angeles, Calif. Container and corner locking means therefor. 2,596,320, May 13.
Wolfe, David F., New York, N. Y. Wedge-actuated clamp. 2,596,635, May 13.
Wolff, Harold I., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Purifying ammonium sulfate. 2,596,950, May 13.
Womble, Glenn F., assignor to Dan River Mills, Incorporated, Danville, Va. Dyeing with pigment coloring matter. 2,596,192, May 13.
Woodall Industries, Inc., assignee: *See*—
Greig, James W., and Fletcher.
Woodings-Verona Tool Works, assignee: *See*—
Skowron, Edmund A.
Woodside Smokehouse Company, assignee: *See*—
Doty, Spencer.
Wright, Harold E., Jr., assignor to Weltronic Company, Detroit, Mich. Dielectric heating apparatus. 2,596,636, May 13.
Wuenach, Charles E., Saratoga, Calif., by decree of distribution to E. L. Wuenach. Density responsive indicating and control device. 2,596,352, May 13.
Wuenach, Eunice L.: *See*—
Wuenach, Charles E.
Wulff, Lee, Shushan, N. Y. Forming fishing lures, flies, nymphs, and the product. 2,596,457, May 13.
Yackel, Edward C.: *See*—
Yutzy, Henry C., and Yackel.
Yackel, Edward C., assignor to Eastman Kodak Company, Rochester, N. Y. Photomechanical copy method. 2,596,754, May 13.
Yoder Co., The, assignee: *See*—
Weyant, Valone V.
Young, L. A., Spring and Wire Corporation, assignee: *See*—
Asaro, Vito.
Ludwig, Walter.
Young, Richard V., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Aromatic color couplers containing mercaptan and hydroxyl groups. 2,596,755, May 13.
Yutzy, Henry C., and E. C. Yackel, assignors to Eastman Kodak Company, Rochester, N. Y. Photomechanical copy method. 2,596,756, May 13.
Zalanskas, Victor J., West Lynn, Mass. Gauge. 2,596,637, May 13.
Zaleski, John F., Queens Village, N. Y., assignor to General Precision Laboratory Incorporated. Wave guide stub. 2,596,458, May 13.
Zarwell, Cedric E.: *See*—
Johnson, Roy W., Zarwell and McCarty.
ZeGCo Products Incorporated, assignee: *See*—
Zumwalt, Arlie I.
Zelgenhein, William J.: *See*—
Welch, Nicholas A., and Zelgenhein.
Zenith Radio Corporation, assignee: *See*—
Beil, John F., and Cotsworth.
Wagenknecht, Otto E.
Zieg, Clifford V., Jr., Fort Wayne, Ind., assignor to Dana Corporation, Toledo, Ohio. Centrifugal clutch. 2,596,193, May 13.
Zimmerman, Thomas, Dearborn, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Work chuck. 2,596,321, May 13.
Zipp, Harold W.: *See*—
Williams, Robert L., Lammers and Zipp.
Zollinger, Walter H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Pressure vessel. 2,596,353, May 13.
Zollinger, Walter H., Bethlehem, Pa., assignor to Bethlehem Steel Company. Door support for pressure vessels. 2,596,354, May 13.
Zumwalt, Arlie L., assignor to ZeGCo Products Incorporated, Tulsa, Okla. Magnetic carriage. 2,596,322, May 13.

LIST OF PLANT INVENTIONS

Nectarine tree. W. T. Kirkman. 1,096, May 13. Pear tree. A. G. Kalle. 1,095, May 13.

LIST OF DESIGN INVENTIONS

Auto insignia. W. Beene. 166,729–30, May 13.
Awning, Metal. R. A. Childers and C. C. Miller. 166,736, May 13.
Badge. A. J. Merkel. 166,767, May 13.
Bottle. R. A. Blunt. 166,731, May 13.
Bracelet or the like. A. Kats. 166,755, May 13.
Case, Time stamp. M. Juhas. 166,754, May 13.
Cigarette box, cigarette holder, and smoking device, Combined. E. R. Wilkinson. 166,783, May 13.
Clockcase. J. A. C. Keane. 166,756, May 13.
Coffee server. W. J. Russell. 166,774, May 13.
Dispenser, Butter. G. Kilburg, L. F. Covey, and J. G. Lippincott. 166,757, May 13.
Dispenser or the like, Toothpick. W. J. Meyer and H. A. Flor. 166,769, May 13.
Dispenser, Toilet tissue. H. Weskrna. 166,782, May 13.
Door hood, Metal. R. A. Childers and C. C. Miller. 166,737, May 13.
End link for a wrist watch bracelet. E. Prestinari. 166,773, May 13.
Fabric, Textile. H. Odser. 166,770, May 13.
Fabric, Woven plastic. V. Petracek. 166,765, May 13.
Figurine. A. Giovacchimi. 166,746, May 13.
Girdle and brassière, Combination. S. C. La Bue and H. P. Coogan. 166,760, May 13.
Hair clipper, Electric. A. Iannelli. 166,751, May 13.
Handle, Door. T. H. Koeber. 166,759, May 13.
Hobbyhorse or similar article. D. C. Stanley. 166,776, May 13.
Hobbyhorse or the like. J. E. Levy. 166,762, May 13.
Holder, Cigarette. W. R. Dickins, Sr. 166,739, May 13.
Holder for playing cards or the like. M. Saltsman. 166,775, May 13.
Link chain for a bracelet or the like. A. Philippe. 166,772, May 13.
Mailbox. H. Gosweiler. 166,748, May 13.
Mailbox house. J. I. Heins. 166,749, May 13.
Medal or similar article. V. O. Metaker. 166,768, May 13.
Meter housing, Parking. W. W. Jones. 166,753, May 13.
Microphone or the like. A. L. Dvorsky and M. Palo. 166,741, May 13.
Mouth organ. W. Hohner. 166,750, May 13.
Plate, Compartmented. C. J. Chaplin. 166,735, May 13.
Purse, Coin. W. H. St. Thomas. 166,777, May 13.
Refrigerator, Household. R. B. Janes. 166,752, May 13.
Sandal or similar article, Child's. R. T. Wiseman. 166,785, May 13.
Scale, Laboratory. C. L. Otto. 166,771, May 13.
Shingle, Metal. R. H. Langville. 166,761, May 13.
Shoe, Baby. A. Carver. 166,733, May 13.
Slipper or the like. N. B. Golovin. 166,747, May 13.
Sole for footwear, Rubber. A. C. Fellman. 166,742, May 13.
Spectacle frame ornament or similar article. H. Weissman. 166,781, May 13.
Spoon or similar article. I. A. Lipman. 166,763, May 13.
Spotlight, Hand. J. Fischer. 166,743–4, May 13.
Stocking, Lady's ornamented. E. Troy. 166,778–9, May 13.
Thermometer. R. J. Melville. 166,766, May 13.
Timer. E. B. Gaylord. 166,745, May 13.
Timer, Interval. F. Lux and H. D. Beerbaum. 166,764, May 13.
Toy disk gun. R. W. Clauss. 166,738, May 13.
Toy holster and belt set, Combined. A. L. Kinskie. 166,758, May 13.
Tray, Hospital. L. E. Chandler. 166,734, May 13.
Trophy base. R. E. Dodge. 166,740, May 13.
Truck, Hand. H. H. Williams. 166,784, May 13.
Twin bed unit. T. F. Carey. 166,732, May 13.
Utensil, Cooking. W. B. Watkins. 166,780, May 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aberration corrector member for image forming optical objectives. E. D. Tillyer and A. H. Bennett. 2,596,799, May 13.
Absorbing gases, including hydrogen sulfide. J. T. Jordan. 2,596,092, May 13.
Accessory heater device usable on cooking stove burner. A. E. Egbert. 2,596,329, May 13.
Acoustic diaphragms, Making. J. B. Brennan. 2,596,645, May 13.
Action producing means for musical instruments. H. S. Portogallo. 2,596,866, May 13.
Actuating mechanism for mechanical pencils. J. Gartenmann. 2,596,234, May 13.
Acylated amino acid silver salts. F. M. Whitacre and D. Van Praag. 2,596,631, May 13.
Adhesive composition for laminating optical elements. H. R. Moulton and J. Mahler. 2,596,863, May 13.
Adjustable gate support. C. D. Griffin. 2,596,850, May 13.
Adjustable gauge. L. D. Bryson. 2,596,204, May 13.
Aerosol bomb valve. R. S. Knapp. 2,596,414, May 13.
Air bleed system for hydraulic table reciprocating mechanism. C. G. Flygare. 2,596,475, May 13.
Air cooler. A. H. Carpenter and J. T. Calonico. 2,596,324, May 13.
Aircraft propeller with two air circuits, Reaction jet. R. J. Imbert. 2,596,406, May 13.
Airplane pressure differential stall indicator. M. J. Bamber. 2,596,116, May 13.
Alarm switch. H. S. Malutich. 2,596,704, May 13.
Alloy: *See*—
  Magnetic alloy. Titanium base alloy.
Amine salicylate ointment. O. Gaudin. 2,596,674, May 13.
Aminoalkyl esters of N,N-diarylanthranilic acids and salts thereof. C. P. Krimmel. 2,596,156, May 13.
Aminoesters of N-substituted pyrrolidine 2,5-dicarboxylic acids. A. J. Hill and J. T. Maynard. 2,596,099, May 13.
Ammunition link ejection chute. E. Kolehmainen. 2,596,252, May 13.
Amplifier with muting means. N. Feiner and S. H. Gershater. 2,596,138, May 13.
Animal trap. A. L. Rowell. 2,596,289, May 13.
Antenna structure, Bridge-type precision. K. A. Allebach. 2,596,113, May 13.
Antenna system. N. E. Lindenblad. 2,596,492, May 13.
Antenna system, Directional. K. Posthumus. 2,596,595, May 13.
Antenna, Television. M. D. Ercolino. 2,596,389, May 13.
Antihalation layer for cellulose ester lithographic printing plates. G. F. Nadeau and C. B. Starck. 2,596,713, May 13.
Apparatus for and method of handling dusty materials. H. L. Richardson. 2,596,601, May 13.
Apparatus for bundling pipes, bars, and the like. G. E. Mirfield. 2,596,862, May 13.
Apparatus for cleaning filter screens. A. H. Bahnson, Jr. 2,596,518, May 13.
Apparatus for conducting thermochemical conversions. T. P. Simpson. 2,596,299, May 13.
Apparatus for contacting solid materials with fluids. H. A. Shabaker. 2,596,610, May 13.
Apparatus for cooling liquids. R. D. Moore. 2,596,782, May 13.
Apparatus for feeding and orienting pears. A. R. Thompson. 2,596,798, May 13.
Apparatus for illumination of scale dials. C. Burkhart. 2,596,810, May 13.
Apparatus for loading and unloading jars into and out of containers. G. Lufkin. 2,596,339, May 13.
Apparatus for measuring direct voltages. W. H. Howe. 2,596,955, May 13.
Apparatus for moving pipe. A. L. Stone. 2,596,828, May 13.
Apparatus for photographing and exhibiting a multiplicity of different pictures in succession. F. E. Tuttle and W. Bornemann. 2,596,740, May 13.
Apparatus for producing textile fabrics. T. H. Johnson and W. L. Thompson, Jr. 2,596,246, May 13.
Apparatus for raising and leveling forms for walls of concrete structures. J. M. Jack, G. H. Webb, and L. H. Jefferson. 2,596,854, May 13.
Apparatus for stacking sheet material. T. Toronto. 2,596,448, May 13.
Apparatus for the upkeep of railway tracks. M. H. Lemaire. 2,596,701, May 13.
Apparatus for tilting a pile of material. K. Egge. 2,596,386, May 13.
Apparatus for treating soil. F. W. Opp. 2,596,504, May 13.
Apparatus for treating water. E. Pick. 2,596,822, May 13.
Apparatus for treating water. E. Pick. 2,596,915, May 13.
Apparatus for turning sheets down successively from a tilted pile thereof. K. Egge. 2,596,385, May 13.
Arc chute utilizing staggered U-shaped conductive members. C. R. Peter. 2,596,865, May 13.
Arc starting method and composition. H. S. Payne. 2,596,165, May 13.
Aromatic color couplers containing mercaptan and hydroxyl groups. R. V. Young and A. Weissberger. 2,596,755, May 13.
Arranging device for flat articles. W. P. Fletcher. 2,596,228, May 13.
Article gripping system for lift trucks. J. A. Frischmann. 2,596,895, May 13.
Artificial decoy fish. R. Bocchino. 2,596,201, May 13.
Ash receiver and extinguisher for cigarettes. N. R. Horikawa. 2,596,773, May 13.
Asphaltic coating compositions for flooring, etc. A. G. Asaff. 2,596,323, May 13.
Attachment for cutting torches. B. H. Donahue and F. H. Gallimore. 2,596,133, May 13.
Attachment for opaque projection by transparency projectors. H. G. Fitz Gerald. 2,596,393, May 13.
Attachment for portable typewriters. V. L. Chvilicek. 2,596,652, May 13.
Auto tire nonskid device. C. S. Brandvold. 2,596,096, May 13.
Automatic brake slack adjuster for railroad car brake riggings. W. J. Sockell. 2,596,301, May 13.
Automatic measuring and bagging machine for produce. E. A. Ernst. 2,596,768, May 13.
Automatic overedging machine. F. R. Piper and J. M. Gardner. 2,596,168, May 13.
Automatic supply of low molecular raw material for continuous production and spinning of polyamides, Method and device for an. J. Moravec. 2,596,272, May 13.
Automatic train pipe connector. C. F. Lockhart. 2,596,778, May 13.
Automatic welding apparatus. O. R. Carpenter and F. W. Armstrong, Jr. 2,596,951, May 13.
Automatic work feeding mechanism. G. C. Abbott. 2,596,109, May 13.
Automatically adjustable wrench. B. Wiesen. 2,596,882, May 13.
Automobile auxiliary window mounting. J. F. Anderson. 2,596,114, May 13.
Automobile body, Changeable color. H. L. and M. L. Lacy. 2,596,566, May 13.
Automobile top, Let-down type. J. W. J. Ackermans. 2,596,355, May 13.
Automotive pressure carburetor. A. W. Orr, Jr. 2,596,429, May 13.
Awning supporting plate and adjustable wall bracket. E. P. D'Azzo. 2,596,658, May 13.
Awning, Ventilated rigid. F. Langbein. 2,596,934, May 13.
Azine dye images, Preparation of. R. C. Gunther and V. Tulagin. 2,596,926, May 13.
Baffle construction for oil bath filters. R. G. Hanneman and J. K. Brixius. 2,596,148, May 13.
Bag: *See*—
  Vacuum cleaner dust bag.
  Wardrobe type foldable luggage bag.
Bag for separating dust from an air stream, Self-sealing M. C. Dippel. 2,596,807, May 13.
Baking oven loading apparatus. A. A. Holbeck. 2,596,404, May 13.
Balance reel. K. C. Bugg and H. L. Hart. 2,596,648, May 13.
Bale case extension for agricultural balers. A. B. Skromme. 2,596,872, May 13.
Band brake. R. F. Gamundi. 2,596,544, May 13.
Band track. R. W. Smith. 2,596,919, May 13.
Bar gripper means for stretching presses. T. B. Hawkes. 2,596,772, May 13.

Bark-removing machine having horizontally and vertically guided cutter. W. J. Watts and F. B. Cadman. 2,596,187, May 13.
Basketball goal construction, Foldable. S. Fox. 2,596,543, May 13.
Bearing: *See*—
Coupler knuckle bearing. Shock absorbing watch
Self - aligning controlled friction bearing. bearing.
Bed or like covering. A. W. Guest. 2,596,547, May 13.
Beet topping machine. J. E. Amend. 2,596,757, May 13.
Belt for wearing apparel. J. L. Bailen. 2,596,884, May 13.
Belt, Post-operation. C. A. Muller. 2,596,275, May 13.
Belt, Sanitary. G. M. Carmean. 2,596,127, May 13.
Binder or loose sheet holder. D. Rice. 2,596,600, May 13.
Bis alkylbenzyl ethers of polyethylene glycols. P. L. de Benneville. 2,596,092, May 13.
Biscuit-cutting and the like machinery. A. E. Wilde. 2,596,317, May 13.
Blind. J. P. Nonell. 2,596,714, May 13.
Boat outrigger float. H. H. Anderson. 2,596,194, May 13.
Bookholder and pocket construction, Combination. W. S. Darby and P. B. Thomas. 2,596,131, May 13.
Borehole inclination indicating device. G. E. Brown. 2,596,759, May 13.
Boron compounds, Preparation of. D. T. Hurd. 2,596,690, May 13.
Bottle arranging machine. L. Wimmer. 2,596,319, May 13.
Bottle carrier. R. Cottrel. 2,596,533, May 13.
Bottle or spray, Sprinkling. E. Dünfründ. 2,596,097, May 13.
Bottle warmer. D. A. and H. N. Durham. 2,596,664, May 13.
Box: *See*—
Electric outlet box. Telescoping box.
Fly box.
Box. H. L. Metzger. 2,596,707, May 13.
Box. P. Myers. 2,596,426, May 13.
Bracket: *See*—
Illuminated wall bracket.
Brake: *See*—
Band brake. One-way band brake.
Brake. A. Y. Dodge. 2,596,379, May 13.
Brake structure. C. Hollerith. 2,596,556, May 13.
Brake wear take-up. A. Y. Dodge. 2,596,380, May 13.
Breast cover. C. L. Langs. 2,596,567, May 13.
Bright drying finishing composition. D. Schoenhols and H. Terry. 2,596,960, May 13.
Brush control for carpet sweepers. F. W. Pullen. 2,596,170, May 13.
Bubble bath mixer. J. E. Kiser. 2,596,901, May 13.
Bubble tower. F. J. Kerrigan. 2,596,249, May 13.
Building and shaping plastic products without molds. M. C. Sutton. 2,596,184, May 13.
Bulk delivery system for drop delivery bins. G. P. Carver and P. L. Pike. 2,596,838, May 13.
Bumping post. S. W. Hayes. 2,596,240, May 13.
Burner: *See*—
Dual pressure gas burner.
Burner block and burner. C. W. McCreery and M. W. Hatfield. 2,596,341, May 13.
Bushing and bearing spacer assembly for roller skate wheels. L. O. Harbour. 2,596,771, May 13.
Butterfly valve. H. Ottinger and E. B. Trayers. 2,596,787, May 13.
Cabinet: *See*—
Reversible rug display cabinet.
Calculator, Calorie. H. Leiser. 2,596,418, May 13.
Cam actuated rotary indicator. J. Handley. 2,596,550, May 13.
Cam and pawl transfer mechanism. G. L. Bush. 2,596,370, May 13.
Camera exposure control. D. B. Dorsey. 2,596,328, May 13.
Camera having hinged magazine sections, Electrically operated aerial. I. W. Doyle and C. V. Johnson. 2,596,222, May 13.
Camera shutter, including adjustable flash synchronising means. C. C. Fuerst. 2,596,671, May 13.
Camera with stationary film, Panoramic. F. Waller. 2,596,746, May 13.
Carrier: *See*—
Bottle carrier.
Cart, Utility. O. Webber. 2,596,749, May 13.
Carton. L. D. Liskin. 2,596,261, May 13.
Cartridge feeding mechanism for the magazines of automatic firearms. O. Schlikil. 2,596,293, May 13.
Case: *See*—
Severable multiple unit case.
Case for keys and driver's license, Carrying. L. F. Otten. 2,596,716, May 13.
Cast-sock. L. E. J. Comfort. 2,596,211, May 13.
Catalyst regeneration system. K. M. Watson and R. L. Smith. 2,596,748, May 13.
Catalytically reforming hydrocarbons. H. W. Grote. 2,596,145, May 13.
Cellar drain valve. O. E. Banker. 2,596,805, May 13.
Cellular glass having intercommunicating cells, Making. D. D'Eustachio. 2,596,659, May 13.
Cellulose textiles with glucose-ureide formaldehyde condensation product, Creaseproofing. H. W. Meijer. 2,596,268, May 13.
Centrifugal clutch. C. V. Zieg, Jr. 2,596,193, May 13.
Centrifugal machine control organization. J. Hertrich. 2,596,927, May 13.
Ceramic electromechanical transducer. T. E. Lynch. 2,596,494, May 13.
Chain: *See*—
Vehicle driving chain.
Chair: *See*—
Folding chair.
Change-speed apparatus. W. P. Murphy, Jr. 2,596,819, May 13.
Checking station for self-service stores. G. R. Hess. 2,596,686, May 13.
Chemical treatment of finely divided solids. W. L. Weldman, H. A. Shabaker and E. B. Cornelius. 2,596,611, May 13.
Chewing gum base, Permanently flavored. R. Heggie. 2,596,852, May 13.
Chuck feature of tools of the detachably connected shank and handle type. J. N. Petre. 2,596,594, May 13.
Cigarette and ash tray for saucers. C. A. Stodgell. 2,596,921, May 13.
Circuit: *See*—
Electronic relay circuit. Television time base circuit.
Inverter starting circuit.
Superheterodyne receiving circuit. Volume compression circuit.
Circuit breaker, Electric. R. G. Page. 2,596,506, May 13.
Circuit for transmitting or generating electrical oscillations of ultrahigh frequency. G. Diemer. 2,596,539, May 13.
Clamp: *See*—
General utility clamp. Wedge-actuated clamp.
Clasp, Jewelry. K. F. Hoeckele. 2,596,405, May 13.
Cleaner: *See*—
Tube cleaner.
Clip: *See*—
Spring clip.
Clock, Radio. C. Punxmann. 2,596,790, May 13.
Closet flange and test cap. F. F. Sosaya. 2,596,182, May 13.
Closing device for paper bags. A. Bossart. 2,596,923, May 13.
Clothes hanger. C. H. MacSpadden. 2,596,576, May 13.
Clutch: *See*—
Centrifugal clutch. Magnetic clutch.
Clutch plate, Compressible. A. R. Narrin. 2,596,588, May 13.
Clutch release attachment for tractor. C. C. Thiem. 2,596,618, May 13.
Coating composition composed of nitrogen-phosphorus compound with an aldehyde resin together with water-soluble alkyd resin. M. L. Nielsen, R. W. Arnold and E. C. Chapin. 2,596,938, May 13.
Coating compositions containing petroleum resins. L. Pritzker. 2,596,101, May 13.
Coating vitreous substances. G. B. Watkins and R. A. Gaiser. 2,596,515, May 13.
Cofferdam. S. Perkins. 2,596,788, May 13.
Coin-controlled machine for issuing folders. C. A. Frick. 2,596,230, May 13.
Coin-controlled mechanism for merchandise dispensing devices. R. F. Paulson and S. B. Palmer. 2,596,430, May 13.
Collapsible interlocking extensible table. A. Duffy. 2,596,663, May 13.
Column apparatus. C. B. Schneible. 2,596,104-6, May 13.
Comb. W. H. Cartheuser. 2,596,207, May 13.
Comb. L. W. Shields. 2,596,296, May 13.
Combination jacket trouser, and tie hanger. R. Waldman. 2,596,745, May 13.
Composite laminated lacrosse stick. B. N. Frisch. 2,596,894, May 13.
Compressor, Bundle. V. L. Strohm and E. R. Kelly. 2,596,797, May 13.
Computor, Wind data. W. K. Ergen. 2,596,472, May 13.
Concentration of nonmetallic minerals by flotation. R. I. Jackson. 2,596,407, May 13.
Concrete building units, Making. N. Placentino. 2,596,914, May 13.
Condensation of an allylic alcohol and a conjugated diene. J. Nichols and V. S. De Marchi. 2,596,279, May 13.
Condenser lens mount. J. H. Eagle. 2,596,665, May 13.
Condenser testing system. F. J. Foust, W. C. Shaw, H. J. McKee, W. M. Rider and J. S. Burge. 2,596,396, May 13.
Connector: *See*—
Automatic train pipe connector.
Connector having coaxial barrels of different diameters, Electrical. V. E. Carlson. 2,596,528, May 13.
Container: *See*—
Material storage and handling container. Paper container.
Container. W. A. Eaton. 2,596,225, May 13.
Container and corner locking means therefor. J. G. Witte. 2,596,320, May 13.
Control apparatus. R. F. Wild. 2,596,751, May 13.
Control apparatus for power-operated gun mounts. F. C. Eastman. 2,596,223, May 13.

Control for cable winding drums. C. H. Willi and N. L. Snowden. 2,596,318, May 13.
Control outlet for vacuum cleaning systems. M. L. Cogshell. 2,596,210, May 13.
Control switch. S. Crum. 2,596,657, May 13.
Cooler: *See*—
Air cooler.
Conveyer. S. W. Sterling. 2,596,615, May 13.
Conveyer idler, Multirubber tired. S. M. Mercier. 2,596,499, May 13.
Conveyer, Portable loading and unloading. G. Manierre. 2,596,265, May 13.
Cooking stove ventilating hood. R. B. Sonntag. 2,596,874, May 13.
Cooky molding cutter. N. C. McIlrney. 2,596,159, May 13.
Copolymers of acrylonitrile and N-allyl and N-2-methallyl acylamides. J. R. Caldwell. 2,596,650, May 13.
Copolymers of 1-alkenyl nitriles and allylic esters of aromatic dicarboxylic acids. E. C. Shokal and C. W. Schroeder. 2,596,945, May 13.
Copyholder. J. P. Halstead. 2,596,239, May 13.
Core barrel. E. B. Williams, Jr. 2,596,832, May 13.
Corner trim. R. A. Stone and R. M. Whittom. 2,596,827, May 13.
Corrosion-inhibiting coating composition containing organic amine nitrites. A. Wachter and N. Stillman. 2,596,450, May 13.
Coupler knuckle bearing. F. H. Kayler. 2,596,153, May 13.
Coupling for tank sections, Fluidtight detachable. A. P. Clausen. 2,596,839, May 13.
Coupling for shock absorber cords. W. J. Gilmore. 2,596,144, May 13.
Cover: *See*—
Breast cover.
Crane control system. R. W. Spafford. 2,596,347, May 13.
Crane, Portable. J. Z. Feigelson. 2,596,846, May 13.
Crankshaft lathe tool feeding mechanism. H. J. Siekmann and W. R. Meyer. 2,596,511, May 13.
Credit accumulator mechanism. J. Schmidt. 2,596,441, May 13.
Cross drive for heavy vehicles. O. K. Kelley. 2,596,931, May 13.
Crystalline anhydrous theophylline, Preparing. G. B. Stone. 2,596,946, May 13.
Crystalline calcium ascorbate and preparing same. S. L. Ruskin. 2,596,103, May 13.
Cuff Link. O. V. Anderson. 2,596,357, May 13.
Curing meat products, Method and apparatus for. S. Doty. 2,596,381, May 13.
Curtain and making the same. E. I. Fitz Gibbon. 2,596,395, May 13.
Curtain rod and bracket assembly, Combined. S. D. Burt, Jr. 2,596,369, May 13.
Cutter: *See*—
Cooky molding cutter.
Cutter bar mounting and control for crop cutting vehicles. R. E. Bert and J. L. Wetta. 2,596,641, May 13.
Cutter blade. J. Hansen. 2,596,851, May 13.
Cyanine dyestuffs, Production of. J. D. Kendall and J. R. Major. 2,596,776, May 13.
Cyclohexene, Preparing. H. F. Rickert, E. Stein, and O. Bayer. 2,596,102, May 13.
Cylinder, Decatizing. A. L. Nazzaro. 2,596,910, May 13.
Cylinder lock. A. F. and G. F. Pastor, and E. J. and A. J Mir. 2,596,720, May 13.
Cylinder structure for hydraulic brake systems, Master. A. Blackman. 2,596,119, May 13.
Damper operating and securing structure. R. L. Leigh. 2,596,570, May 13.
Density responsive indicating and control device. C. E. Wuensch. 2,596,352, May 13.
Desk, Self-elevated. E. A. Berman. 2,596,094, May 13.
Detecting fluid movement in well bores, Method and apparatus for. G. H. Rohrback, R. A. Stoner, M. Macaulay, and W. T. Cardwell, Jr. 2,596,437, May 13.
Determining subsurface geological structure by seismic surveying employing refraction shooting. A. J. Barthelmes. 2,596,463, May 13.
Determining the freeness of wood pulp, Method and apparatus for. W. G. Reynolds. 2,596,724, May 13.
Device for evacuating and filling vessels by means of pressure. E. W. Johnson. 2,596,560, May 13.
Device for four-color stereoscopic cinematography based on additional synthesis. L. Cristiani. 2,596,129, May 13.
Device for producing motion. G. C. Eldridge, Jr. 2,596,226, May 13.
Device for producing stapilized yarns. A. B. Storey. 2,596,306, May 13.
Device for the mixing and dispensing of a plurality of materials. L. G. Hoppes. 2,596,898, May 13.
Device with adjustable bearings for opening envelopes. W. T. Buckens. 2,596,467, May 13.
Diacyl cyanides, Preparation of. A. E. Ardis. 2,596,804, May 13.
Dialing means for dial telephones. P. Waldinger. 2,596,628, May 13.
Die aligner. G. O. Conner. 2,596,213, May 13.
Die for tong heads. C. C. Weiss. 2,596,880, May 13.
Dielectric heating apparatus. H. E. Wright, Jr. 2,596,636, May 13.
Dietary salt substitute. A. Halpern and C. H. Bradney. 2,596,333, May 13.
Differential pressure relief valve. R. M. Brunton. 2,596,368, May 13.
Direct-current rotary transformer. J. M. Pestarini. 2,596,431, May 13.
Direct lighting fixture. V. S. Wince. 2,596,634, May 13.
Direction indicator. L. B. Reed. 2,596,173, May 13.
Direction signal switch. E. L. Barcus. 2,596,834, May 13.
Directive antenna for microwaves. E. W. Guptill and W. H. Watson. 2,596,480, May 13.
Dish flushing and washing device. J. D. Clague and M. R. Anstice, Sr. 2,596,653, May 13.
Dishwashing machine. J. F. R. Karlstrom. 2,596,693, May 13.
Disk harrow, Tractor borne. A. P. McKay. 2,596,579, May 13.
Dispenser, including a compressing roller and a pivoted valve element, Tooth paste. M. P. Hawkins. 2,596,683, May 13.
Dispenser of kitchen articles. E. K. Von Mertens. 2,596,312, May 13.
Dispensing device for collapsible tubes. L. Vita. 2,596,310, May 13.
Displacement indicating apparatus. D. W. Blancher. 2,596,361, May 13.
Display device, Motion-picture show time. W. W. Harris. 2,596,551, May 13.
Distance comparator gauge. D. J. Baker. 2,596,519, May 13.
Doctoring means for gluing rollers. R. Minkow. 2,596,585, May 13.
Doll. B. Kinberg. 2,596,491, May 13.
Door: *See*—
Metal door. Railway car side door.
Door and window structure for convertible bodies. J. W. J. Ackermans. 2,596,356, May 13.
Door check and closer. C. Goderez. 2,596,676, May 13.
Door mounting. T. J. McClure. 2,596,706, May 13.
Door support for pressure vessels. W. H. Zollinger. 2,596,354, May 13.
Dough molding and the like machine. J. F. Naylor. 2,596,277, May 13.
Dough shaping machine. R. K. Wagoner. 2,596,313, May 13.
Dowel bar installing device. F. D. Carnes. 2,596,206, May 13.
Draft frame. N. R. Krause. 2,596,902, May 13.
Draft rigging. H. J. Lounsbury. 2,596,262, May 13.
Drawbench unloading arm mechanism. M. W. Mahns. 2,596,340, May 13.
Drier for slashers. G. L. Ball. 2,596,358, May 13.
Drill grinder. W. E. Raney. 2,596,916, May 13.
Drill remover. F. P. Bouchard. 2,596,809, May 13.
Drive fastener. O. J. Poupitch. 2,596,940, May 13.
Drying containers, Method and apparatus for. W. A. Webb. 2,596,800, May 13.
Dual pressure gas burner. J. H. Flynn. 2,596,229, May 13.
Dumping box and supporting structure therefor with means for receiving contents of said box. B. D. and W. D. McIntyre. 2,596,908, May 13.
Duplicating machine, Automatic hydraulic. A. J. Curtis. 2,596,889, May 13.
Dust collector. G. C. Francis and R. Browning. 2,596,670, May 13.
Dyeing with pigment coloring matter. G. F. Womble. 2,596,192, May 13.
Dynamic flyer balancing apparatus. C. J. Costner. 2,596,762, May 13.
Easel for photographic enlargers. O. M. Carlson. 2,596,811, May 13.
Easel, Map supporting. C. W. Squyres. 2,596,302, May 13.
Eave gutter support or hanger, Adjustable. C. W. Henry. 2,596,553, May 13.
Eddy current disk mechanism. W. L. Butler. 2,596,649, May 13.
Edible product, Preparing an. L. F. Ducker. 2,596,662, May 13.
Effecting end seals for condensers. S. O. Dorst. 2,596,134, May 13.
Electric arc furnace. W. E. Moore. 2,596,708, May 13.
Electric control for brake mechanisms. M. M. McCoy. 2,596,779, May 13.
Electric device. T. I. S. Vermeiren. 2,596,743, May 13.
Electric heater. R. Cox and H. Sipkes. 2,596,327, May 13.
Electric outlet box. P. J. Glosier. 2,596,236, May 13.
Electric recording apparatus. H. A. Stamper. 2,596,446, May 13.
Electric resistance apparatus. L. A. Newnham. 2,596,503, May 13.
Electric switch. T. Finizie. 2,596,893, May 13.
Electrical discharge lamp. H. E. Krefft. 2,596,697, May 13.
Electrical ignition control. C. Colvin. 2,596,840, May 13.
Electrical precipitator. G. Busfield. 2,596,526, May 13.
Electrical relay system. D. B. Kendall. 2,596,900, May 13.
Electrical resistors, Making. J. J. Cerny. 2,596,325, May 13.
Electrical waveform generator. D. J. Hilferty. 2,596,149, May 13.
Electrolytic cell. G. T. Meiklejohn. 2,596,583, May 13.

Electromagnetic apparatus. R. K. Mueller. 2,596,711–12. May 13.
Electron gun for cathode-ray tubes. W. E. Phillips and C. S. Szegho. 2,596,508, May 13.
Electronic relay circuit. L. G. Nierman. 2,596,956, May 13.
Electrostripping electrodeposited metals. R. S. Stuffer. 2,596,307, May 13.
Embossed pressure-sensitive tape, Making. L. M. Grimes. 2,596,546, May 13.
Embossing machine, Record controlled. A. Pentecost and A. E. Schniertshauer. 2,596,721, May 3.
Engine: *See*—
Internal-combustion engine.
Enriching natural gas. H. M. Nelly, Jr., and T. E. Sullivan. 2,596,785, May 13.
Error correction in sequential code pulse transmission. W. R. Bennett. 2,596,199, May 13.
Esters of chlorinated phenoxyacetic acids. W. W. Allen. 2,596,089, May 13.
Expansion insert. E. C. Crowther. 2,596,952, May 13.
Extension device. P. F. Volk. 2,596,186, May 13.
External memory device for electronic digital computers. A. W. Tyler and R. D. O'Neal. 2,596,741, May 13.
Extraction of valuable constituents from unexposed oil-bearing shales not spent by oxidation. E. J. Schabelitz. 2,596,793, May 13.
Fabric: *See*—
Woven fabric.
Fabric belt hoist. F. W. Coffing. 2,596,326, May 13.
Fan. R. D. Moore. 2,596,781, May 13.
Fastener: *See*—
Drive fastener. Wood fastener.
Storm window fastener.
Fastener for securing objects to panels, Rotary attached. L. H. Flora and C. A. Kelley. 2,596,332, May 13.
Fastening device. O. J. Poupitch. 2,596,596, May 13.
Faucet. E. W. Lowe and E. M. Reedy. 2,596,419, May 13.
Faucet construction. C. W. Schulze. 2,596,795, May 13.
Faucet with single handle, Hot and cold water mixing. C. W. Bauberger. 2,596,464, May 13.
Feeding set, Infant's. C. S. La Tour. 2,596,255, May 13.
Festooning device. E. I. Leed. 2,596,157, May 13.
Filling and weighing device for bins. C. W. Scott. 2,596,824, May 13.
Filling apparatus. A. J. Dowling and E. Urbanski. 2,596,135, May 13.
Film printing machine. J. H. Coote and A. P. Jenkins. 2,596,373, May 13.
Filter: *See*—
Multichannel filter. Stack-type oil bath filter.
Filter. R. P. Dunmire. 2,596,384, May 13.
Filtration of oils and waxes with bauxite. D. W. Robertson and C. F. Duchacek. 2,596,942, May 13.
Fire extinguisher for motor vehicles. J. Carpani. 2,596,761, May 13.
Fire extinguishing apparatus. H. R. Hammett. 2,596,399, May 13.
Fire retarding coating composition composed of a nitrogen-phosphorus compound with an aldehyde resin and polyhydroxy alcohol. M. L. Nielsen and P. E. Marling. 2,596,939, May 12.
Fishhook, Expanding. W. E. Kautenberg. 2,596,564, May 13.
Fish lure. G. E. Wise. 2,596,883, May 13.
Fish lure, Oscillating. C. W. Roes. 2,596,959, May 13.
Fishing leader holder. P. J. Goad. 2,596,896, May 13.
Fishing lure. G. B. Espey and G. D. Waite. 2,596,474, May 13.
Fishing rod handle and holder therefor. P. J. Kacsor. 2,596,247, May 13.
Fishing rod holder. L. Hoffman. 2,596,403, May 13.
Fixture and holder for fluorescent lamps. A. P. Leinen. 2,596,336–7, May 13.
Flame synthesis of hydrogen cyanide. A. C. McKinnis. 2,596,421, May 13.
Flask handling device. R. J. Hines. 2,596,401, May 13.
Flatcar endgates. J. A. Schroeder and A. W. Bower. 2,596,295, May 13.
Float device. R. F. Edgar and L. Levine. 2,596,666, May 13.
Flooding control for ships. W. R. Laurenson. 2,596,417, May 13.
Floor sanding machine. W. E. Holt. 2,596,689, May 13.
Fluid power actuator. M. V. Groves. 2,596,238, May 13.
Flux for lead burning and making same. J. H. Bowden. 2,596,466, May 13.
Fly box. D. C. Corkran. 2,596,214, May 13.
Focusing arrangement, Automatic. K. G. Macleish. 2,596,702, May 13.
Folding chair. G. B. Morse. 2,596,424, May 13.
Folding seat. H. Wickham, E. F. Burton and E. G. Mason. 2,596,750, May 13.
Folding wing for aircraft. R. A. Robert. 2,596,436, May 13.
Footwear. H. A. Webb. 2,596,188, May 13.
Forming beaded structure. M. F. Peters. 2,596,285, May 13.
Forming fishing lures, flies, nymphs, and the product. L. Wulff. 2,596,457, May 13.
Forming flexible joints in belting. B. Tocci-Guilbert. 2,596,513, May 13.
Forming stripes on capsules and the like. R. P. Scherer. 2,596,176, May 13.
Forming thermistor by impregnation. M. F. Peters. 2,596,284, May 13.
Fortified cellular glass, Making. W. D. Ford. 2,596,669, May 13.
Fractionation process. H. A. Newey, E. C. Shokal and T. F. Bradley. 2,596,344, May 13.
Fracturing formations in wells. R. F. Farris. 2,596,843, May 13.
Frame: *See*—
Draft frame. Shoulder frame.
Freezer, Ice-cream. G. Muffly. 2,596,274, May 13.
Frequency converter system. J. F. Bell and A. Cotsworth, III. 2,596,117, May 13.
Friction gearing. T. S. Bartlett. 2,596,359, May 13.
Fuel ignition system. W. G. See. 2,596,729, May 13.
Fuel pump. R. S. Blakeway. 2,596,360, May 13.
Fuel supply system. J. A. Templeton. 2,596,736, May 13.
Furnace: *See*—
Electric arc furnace.
Furnace chamber. R. H. Evans and L. P. Purple. 2,596,953, May 13.
Furnace draft regulator. E. A. Lucas. 2,596,907, May 13.
Furnace lighter with mechanically interlocked controls. R. Shellenberger and A. J. Poole. 2,596,944, May 13.
Furnace shell construction. R. R. Thomas. 2,596,738, May 13.
Furnace wall. T. H. Sherman. 2,596,180, May 13.
Game apparatus, Baseball. A. Rose. 2,596,439, May 13.
Game board and table, Coin-operated. J. P. Lewis, Sr. 2,596,259, May 13.
Game, Spiral. R. C. Hinsen. 2,596,688, May 13.
Garbage can support. G. D. Farquharson. 2,596,541, May 13.
Garment hanger. W. Ludwig. 2,596,263, May 13.
Gas turbine fuel control having both a normal speed and an emergency control. L. W. Kell. 2,596,815, May 13.
Gauge: *See*—
Adjustable gauge. Pneumatic inspection gauge.
Distance comparator gauge. Pressure gauge.
Gun trigger pull gauge. Tire pressure gauge.
Liquid level gauge.
Gauge. V. J. Zalanskas. 2,596,637, May 13.
Gear shaping machine with eccentric cutter relief. E. W. Miller. 2,596,343, May 13.
General utility clamp. H. D. Ahlstrom and E. N. Foltz. 2,596,111, May 13.
Generator: *See*—
Electrical waveform generator. Signal generator.
Girdle. J. L. Kleinman. 2,596,155, May 13.
Glare prevention device for automobiles. G. I. Wahnish. 2,596,627, May 13.
Glare shield. L. R. Bruhl. 2,596,836, May 13.
Glass welding method. R. R. Kegg. 2,596,694, May 13.
Glove, Seamless palm. L. M. Thurlow and W. E. Newell. 2,596,349, May 13.
Glow lamp mounting. T. F. Peterson. 2,596,166, May 13.
Glowproofing composition comprising phenol-aldehyde resins and water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia. M. L. Nielsen and H. K. Nason. 2,596,936, May 13.
Gold alloys. J. M. Williams. 2,596,454, May 13.
Golf putting practice device. G. A. Hartung. 2,596,682, May 13.
Grain flow control. R. B. Dodds. 2,596,220, May 13.
Grain treating device. I. H. Lehman. 2,596,568, May 13.
Grease gun. E. P. Sundholm. 2,596,447, May 13.
Grinding machine, Helical spline. J. L. Jessup. 2,596,814, May 13.
Grooving attachment for resawing machines. J. E. Bresnahan. 2,596,365, May 13.
Gun control system, Manually operated telemetric. E. C. Cunningham. 2,596,130, May 13.
Gun sight, Illuminated. C. E. Bethke. 2,596,522, May 13.
Gun trigger pull gauge. S. T. Williams. 2,596,456, May 13.
Handling waste sulfite liquor. T. W. Stewart. 2,596,875, May 13.
Hanger: *See*—
Clothes hanger. Garment hanger.
Combination jacket, trouser, and tie hanger.
Hat holder. H. L. Richardson. 2,596,287, May 13.
Hay handling apparatus. A. W. Fahrenkrog. 2,596,668, May 13.
Headlight marker, Motor vehicle. D. E. Warren and P. Branson. 2,596,879, May 13.
Heald raising device for weaving looms. B. Schiavon. 2,596,177, May 13.
Hearing aid earpiece. L. G. Weaver. 2,596,351, May 13.
Heat exchanger. G. K. W. Boestad. 2,596,642, May 13.

Heat exchanger for refrigerating systems. L. L. Arbuckle. 2,596,195, May 13.
Heat exchanger of the counterflow type for gaseous media, Recuperative. T. Vannérus. 2,596,622, May 13.
Heat radiator and antenna. H. E. Goldstine. 2,596,479, May 13.
Heater: *See*—
Electric heater.
Heater combustion control system. F. A. Ryder and D. A. Potter. 2,596,290, May 13.
Heater element. G. Calvert. 2,596,837, May 13.
Heating system. L. J. Smith. 2,596,300, May 13.
Heddle for weaving devices. P. A. Sperry. 2,596,445, May 13.
Helicopter blade pitch control mechanism. D. T. Dobbins. 2,596,378, May 13.
High-frequency phase measuring system. S. D. Robertson. 2,596,288, May 13.
High-frequency tuning apparatus particularly adapted to seamers. W. C. Rykert. 2,596,727, May 13.
Hinge. N. L. Lieberman. 2,596,816, May 13.
Hinge for doors and swingable closures. F. J. Kornmayer. 2,596,416, May 13.
Holder: *See*—
Binder or loose sheet holder. Hat holder.
Fishing leader holder. Razor blade holder.
Fishing rod holder. Time indicating key holder.
Holder and cutter, Portable large roll paper. S. J. Bina. 2,596,095, May 13.
Honing tool. J. F. Smole. 2,596,961, May 13.
Horn, Dielectric. C. A. Wiley. 2,596,190, May 13.
Humidifier head. H. F. Hill. 2,596,687, May 13.
Hydraulic brake booster unit. F. A. Tann. 2,596,348, May 13.
Hydraulic valve operating system for internal-combustion engines. E. E. Wallace. 2,596,350, May 13.
Hydrohalogenated rubber, Preparation of. G. J. van Veersen. 2,596,878, May 13.
Hydrorosin acid salts in the emulsion polymerization of styrenes. J. N. Borglin and P. A. Ray. 2,596,886, May 13.
Ignition device. S. M. Udale. 2,596,830, May 13.
Illuminated wall bracket. W. J. Stepien. 2,596,614, May 13.
Illuminating device for inspection of contents of bottles. P. K. Wehmiller and W. J. Nekola. 2,596,452, May 13.
Increasing number of holes in apertured metal screens. G. K. Teal. 2,596,617, May 13.
Increasing the volume of shredded tobacco. F. J. Sowa. 2,596,183, May 13.
Indexing chuck. F. Hunziker. 2,596,484, May 13.
Indexing grinding fixture. R. Stegall. 2,596,304, May 13.
Indexing turret, Tool-holding. J. A. Howard. 2,596,482, May 13.
Indicator: *See*—
Airplane pressure differential stall indicator. Direction indicator.
Cam actuated rotary indicator.
Induction hardening fixture. F. J. Groven. 2,596,770, May 13.
Inertia-operated switch. W. E. Nordmark, J. A. Miller, and N. C. Poel. 2,596,427, May 13.
Infant nasal feeding tube. H. Turkel. 2,596,947, May 13.
Inhibiting foam formation in steam generation. L. O. Gunderson. 2,596,925, May 13.
Inhibiting hydrogen sulfide corrosion of metals. M. I. Moyer and J. M. Hersh. 2,596,273, May 13.
Inhibiting hydrogen sulfide corrosion of metals. M. I. Moyer and J. M. Hersh. 2,596,274, May 13.
Ink pad. W. D. Robbins. 2,596,725, May 13.
Instrument for measuring pupillary distances. A. C. Macbeth. 2,596,264, May 13.
Instrument, Magnetostriction measuring. W. D. Williams. 2,596,752, May 13.
Instrument, Moisture indicating. B. Vonnegut. 2,596,744, May 13.
Instrument, Recording. J. C. Stevens. 2,596,305, May 13.
Instrument, Woodwind musical. R. J. Linton. 2,596,260, May 13.
Intermittent movement. E. G. Mercier. 2,596,581, May 13.
Internal-combustion engine. L. L. Jordan. 2,596,410, May 13.
Intumescing composition composed of a nitrogen phosphorus compound with an aldehyde resin. M. L. Nielsen. 2,596,937, May 13.
Inverter starting circuit. B. L. Scherer. 2,596,606, May 13.
Iron: *See*—
Steam iron. Steam electric iron.
Iron ore concentrate pellets. F. D. De Vaney. 2,596,132, May 13.
Jack mechanism. C. F. Ball. 2,596,462, May 13.
Jet-propelled aircraft. R. A. Robert. 2,596,435, May 13.
Joint: *See*—
Wave guide rotary joint.
Kick starter. F. S. Thomas, Jr. 2,596,512, May 13.
Knife, Pocket. G. M. Schrade. 2,596,294, May 13.
Knife, Pocket razor blade. R. H. Stead. 2,596,303, May 13.
Knitting mechanism. H. L. Curtis. 2,596,535, May 13.
Lading strap fastening means. M. S. Johnson. 2,596,855, May 13.
Lamp: *See*—
Electrical discharge lamp.
Lamp for use on motor vehicles, Signal. E. C. Laubaugh. 2,596,256, May 13.
Lamp receptacle having eyelet shell securing means, Electric. L. E. Palmer. 2,596,718, May 13.
Lamp shade and mounting therefor. W. E. Vogel. 2,596,626, May 13.
Lasting machine. L. E. Proulx and R. L. Hill. 2,596,169, May 13.
Latch: *See*—
Toaster crumb tray latch.
Lawn mower sharpener. H. C. Burnham. 2,596,098, May 13.
Lead, cobalt and manganese salts of 2,4,4-trimethyl valeric acid. E. Chadwick. 2,596,371, May 13.
Level and inclinometer. B. Miller. 2,596,422, May 13.
Lift truck grab arm mechanism for cylindrical bodies. J. A. Frischmann and R. F. Oster. 2,596,477, May 13.
Lighter, Pyrophoric. P. E. M. Guibord. 2,596,548, May 13.
Lighting unit for airfields. C. T. Sands, Jr. 2,596,603, May 13.
Line drier reel. R. Dugdale. 2,596,766, May 13.
Liquid level gauge. E. C. Haatvedt. 2,596,897, May 13.
Load-handling sling. G. E. Moore. 2,596,502, May 13.
Lock: *See*—
Cylinder lock.
Lock. N. A. Welch and W. J. Zeigenhein. 2,596,949, May 13.
Lock device. G. W. Will. 2,596,802, May 13.
Lock joint for tie rod and end assemblies. J. H. Booth. 2,596,885, May 13.
Locking means for desk drawers. A. T. Swimmer. 2,596,185, May 13.
Loom box front. H. E. Wenrich and R. J. Norce. 2,596,315, May 13.
Loom check. G. H. Hufferd. 2,596,483, May 13.
Lubricated plug valve. H. J. Waddell and A. H. Edmonds. 2,596,963–4, May 13.
Lubrication system for sewing machines. G. Sauer and C. C. Smith. 2,596,728, May 13.
Lubricator. C. H. Scott. 2,596,607, May 13.
Luggage carrier attachment for automobiles. K. W. McCrory and A. W. Rollins. 2,596,860, May 13.
Machine for feeding and inserting screws. W. M. Phelps. 2,596,958, May 13.
Machine for gauging bottleneck openings. A. D. McNutt and R. L. Newton. 2,596,342, May 13.
Machine for making glass articles. L. C. Kahle. 2,596,899, May 13.
Machine for molding pies. W. H. Elvis. 2,596,388, May 13.
Machine for producing tubes or other hollow cylindrical articles. H. Heimann. 2,596,552, May 13.
Machine for treating fibrous material. C. W. Morden. 2,596,586, May 13.
Magnetic alloy. D. L. Martin. 2,596,705, May 13.
Magnetic carriage. A. I. Zumwalt. 2,596,322, May 13.
Magnetic clutch. J. A. Clark and F. H. Ferguson. 2,596,654, May 13.
Magnetic pulley. R. C. Hoff. 2,596,554, May 13.
Magnetic variometer. A. J. Arvela. 2,596,638, May 13.
Manufacture of HCN. C. W. Perry. 2,596,507, May 13.
Manufacturing artificial dentures and semimanufactured dentures to be utilized by same process. N. D. Quintella. 2,596,941, May 13.
Manufacturing prestressed concrete structural members. S. Macerata. 2,596,495, May 13.
Masks for photographic transparencies, Making. J. W. Gosling and C. S. Combs. 2,596,677, May 13.
Material inserting machine. H. E. Gantzer. 2,596,813, May 13.
Material storage and handling container. F. E. White. 2,596,881, May 13.
Measuring electrical quantities, Method of and apparatus for. G. F. Shotter and H. D. Hawkes. 2,596,297, May 13.
Mechanism to level and erect seat backs. S. D. Bryant. 2,596,760, May 13.
Mercury column thermostatic switch. W. M. Smith, B. F. Freeberg, and A. W. Tharp. 2,596,825, May 13.
Metal covered walls. K. T. Nystrom. 2,596,280, May 13.
Metal door. L. V. Robinson. 2,596,792, May 13.
Metal tempering apparatus. R. J. Linney. 2,596,493, May 13.
Meter: *See*—
Parking meter.
Meter and coin slot therefor, Parking. R. Broussard. 2,596,122–3, May 13.
Metering system for telephony. E. Ungar. 2,596,308, May 13.
Mirror supporting means. T. C. Whitehead. 2,596,632, May 13.
Mixer: *See*—
Bubble bath mixer.
Mixer. G. E. Gard and W. H. Phillips. 2,596,672, May 13.
Mixing unit for refrigerators. R. G. Taecker. 2,596,876, May 13.
Molding machine. W. B. Roddenbery, Jr. 2,596,602, May 13.

Molding process. G. C. Luebkenman. 2,596,573, May 13.
Monoalkyl diphenyl phosphate esters. H. R. Gamrath and J. K. Craver. 2,596,141, May 13.
Monoalkyl dicresyl phosphate esters. H. R. Gamrath and J. K. Craver. 2,596,140, May 13.
Mortise butt hinge marker. T. K. Finneman. 2,596,542, May 13.
Mortised printing plates, Making. H. Oettinger, Jr. 2,596,715, May 13.
Motion producing mechanism for wood-working machines. O. T. Hinton, Jr. 2,596,402, May 13.
Motor: *See*—
Wind motor.
Motorcycle and its front steering fork. E. H. Jordan. 2,596,411, May 13.
Motor drive unit for combines. W. W. Wiersig. 2,596,633, May 13.
Motor for bicycles, Auxiliary. A. Farinelli. 2,596,391, May 13.
Motor for fans, Electric. R. D. Moore. 2,596,783, May 13.
Motor fuels. A. Bègue. 2,596,198, May 13.
Motor-light adapter for sewing machines. S. Redlich. 2,596,598, May 13.
Mounting: *See*—
Automobile auxiliary window mounting.
Door mounting.
Glow lamp mounting.
Vehicle wheel mounting.
Mounting for circuit elements. H. R. Gross and H. R. Massingham. 2,596,237, May 13.
Mounting for liquid containers. E. M. O'Neill. 2,596,283, May 13.
Multichannel filter. D. L. Arenberg. 2,596,460, May 13.
Multiple bushing replacer. B. C. Hamilton. 2,596,549, May 13.
N-substituted ethylene thioureas. R. S. Vaughn and F. R. Bean. 2,596,742, May 13.
Nail puller. J. S. Whitmoyer. 2,596,831, May 13.
Necktie, Preformed. A. J. Titone. 2,596,739, May 13.
Needle, Knitting. M. Vitoux. 2,596,311, May 13.
Nitrodiphenylamine phosphorus dye compounds. J. B. Dickey. 2,596,660, May 13.
Nitrogen-phosphorus composition and process for same. J. E. Maiowan and F. R. Hurley. 2,596,935, May 13.
Nitro substituted products of di(alkoxyphenyl) ethane. G. R. Treves. 2,596,108, May 13.
Noncombustible coating composition and applying. P. E. Marling and M. L. Nielsen. 2,596,496, May 13.
Nonionic surface-active agents. P. L. de Benneville. 2,596,091, May 13.
Nozzle for rockets, Automatically detachable flashless. E. B. Bradford, A. Africano, and C. N. Hickman. 2,596,644, May 13.
Nozzle, Syringe. J. C. Raymond and H. O. Wilcox. 2,596,597, May 13.
Nutcracker. C. A. Duke. 2,596,382, May 13.
Obtention of metallic antimony. J. J. Listrat. 2,596,100, May 13.
Oil field wash tank. M. W. MacAfee. 2,596,575, May 13.
Oil filter for crankcase safety devices. V. D. Plantico. 2,596,789, May 13.
Oil seal. G. F. P. Reich. 2,596,174, May 13.
1-acetoxy-1,1-dicyano ethane, Preparation of. F. D. Stewart. 2,596,826, May 13.
One-way band brake. J. W. Bridwell. 2,596,203, May 13.
Opener. A. M. Alexandrescu. 2,596,459, May 13.
Opener, Can. N. S. Eckmayer. 2,596,892, May 13.
Opener, Can. V. Forstrom. 2,596,476, May 13.
Opening sheet metal containers, Method and apparatus for. K. F. Pietzsch. 2,596,432, May 13.
Ornamentation for stockings and other stretchable materials. E. Troy. 2,596,965, May 13.
Oscillator, Frequency-modulated. G. L. Fernsler. 2,596,227, May 13.
Oscillator hydraulic head. L. M. O'Brien. 2,596,281, May 13.
Oscillator, Ring mounted multiple tube. R. M. Page. 2,596,163, May 13.
Outlet guiding arrangement. A. Buchi. 2,596,646–7, May 13.
Oven, Wafer. J. F. Naylor and D. Greener. 2,596,278, May 13.
Oxygen breathing system. J. R. Johnson, Jr. 2,596,152, May 13.
Pad: *See*—
Ink pad.
Sink pad.
Pad for upholstery and the like. W. E. Sackner. 2,596,292, May 13.
Padder, mangle, or squeeze rolls for improved extraction and impregnation of textile fibers, yarns, and fabrics. J. F. and E. J. Keating. 2,596,154, May 13.
Panel frame for television receiving sets, Removable. J. A. and G. J. Moricco. 2,596,710, May 13.
Paper container. W. A. Eaton and R. S. Sanford. 2,596,224, May 13.
Parking meter. R. Broussard. 2,596,124, May 13.
Photoelectric system. D. Packard and N. B. Schrock. 2,596,591, May 13.
Photoflash bulb supporting and ejecting means. C. F. Brundage. 2,596,887, May 13.
Photographic reproduction apparatus with constant exposure time regardless of the scale of reproduction. H. J. A. de Goeij. 2,596,376, May 13.
Photomechanical copy method. E. C. Yackel. 2,596,754, May 13.
Photomechanical copy method. H. C. Yutzy and E. C. Yackel. 2,596,756, May 13.
Picking fowl. A. W. Sharp. 2,596,443, May 13.
Picking of granular products. M. J. de Goeje. 2,596,470, May 13.
Pickling bath for metals. W. H. Hill and D. K. Shipley. 2,596,150, May 13.
Pipe and making same. F. F. Jenkins. 2,596,490, May 13.
Piston construction. W. G. Wellington. 2,596,516, May 13.
Piston head construction for hydraulic brake cylinders. V. A. D. Shreffler. 2,596,298, May 13.
Piston ring assembly and elements thereof. H. P. Phillips. 2,596,286, May 13.
Planimeter. C. O. Miller and E. A. Behmer. 2,596,423, May 13.
Plant growth improvement. J. F. Kagy and R. R. McPherson. 2,596,929, May 13.
Plow colter. O. D. Lutes. 2,596,574, May 13.
Plowshare. E. W. Gledd. 2,596,769, May 13.
Plugcock. L. Seinfeld. 2,596,730, May 13.
Plug for gate valves, Expanding. J. H. De Frees. 2,596,891, May 13.
Pneumatic inspection gauge. M. Knobel. 2,596,696, May 13.
Pocket radiation alarm. E. W. Molloy. 2,596,500, May 13.
Polyglycol ethers, Surface-active. P. L. de Benneville. 2,596,093, May 13.
Polymerizing fiber-reinforced resinous materials and product. I. E. Muskat. 2,596,162, May 13.
Polyvalent alkylene imine esters and preparing them. H. Bestian. 2,596,200, May 13.
Power drive mechanism for apparatus for generating electrical energy. J. Napoli. 2,596,276, May 13.
Power transmission. R. H. Dicke. 2,596,538, May 13.
Power transmisison means for coaxial gyroplane rotors. L. Bréguet. 2,596,363, May 13.
Precipitating high acetyl cellulose acetate. C. L. Crane. 2,596,656, May 16.
Preparing a blank for a conically shaped diaphragm. J. B. Brennan. 2,596,364, May 13.
Pressure gauge. P. Mondet. 2,596,271, May 13.
Pressure jet apparatus. D. M. Paxton. 2,596,593, May 13.
Pressure responsive regulator. H. Seeler. 2,596,178, May 13.
Printing slug slicing and shaving machine. J. D. Lithgow. 2,596,338, May 13.
Processing and canning whole sweet milk. L. T. Winger. 2,596,753, May 13.
Producing fine fibers, Method and apparatus for. M. A. Chavannes and J. C. Elliott. 2,596,128, May 13.
Projection apparatus. J. D. Reardon and L. J. Peters. 2,596,917, May 13.
Projector, Spring actuated disk. M. Huber. 2,596,557, May 13.
Projector with light hood, Opaque. H. G. Fitz Gerald. 2,596,394, May 13.
Proportional feed system. R. T. Sheen. 2,596,943, May 13.
Pulse conversion system. H. J. Michael and W. Whitney. 2,596,584, May 13.
Pump: *See*—
Fuel pump.
Pumping system. C. C. Hudson. 2,596,151, May 13.
Purifying ammonium sulfates. H. I. Wolff. 2,596,950, May 13.
Quick-acting pipe wrench. J. W. Jensen. 2,596,559, May 13.
Radar antenna structure. W. W. Lindsay, Jr. 2,596,966, May 13.
Radiator assembly for internal-combustion engines and the like. R. O. Nusbaum. 2,596,589, May 13.
Radio beacon, Rotating. F. de Fremery. 2,596,537, May 13.
Radio-frequency oscillator power supply system. J. van Slooten. 2,596,623, May 13.
Rail clip forming machine. E. A. Skowron. 2,596,734, May 13.
Railroad rail unsymmetrical sides. S. G. Thomson. 2,596,619, May 13.
Railway car side door. K. F. Nystrom. 2,596,913, May 13.
Railway track servicing apparatus. W. Richardson. 2,596,823, May 13.
Rathole digger. C. M. Jeffries and F. E. Scheig. 2,596,774, May 13.
Razor blade holder. J. W. Clark. 2,596,372, May 13.
Rebalancing servo system. W. W. Shannon. 2,596,732, May 13.
Receptacle for separating dust from an air stream, Self-sealing. G. E. Lofgren. 2,596,808, May 13.
Recorder, Wire. C. B. Dale. 2,596,536, May 13.
Recording device. A. F. Bischoff and K. L. Boring. 2,596,118, May 13.
Recording device, Magnetic. C. J. van Loon, C. de Koning, and M. de Vroome. 2,596,621, May 13.
Reduction of iron ore to magnetite. T. D. Heath. 2,596,954, May 13.
Reel: *See*
Balance reel.
Line drier reel.
Refrigerator. C. C. White. 2,596,316, May 13.

Refrigerator and control mechanism therefor. G. A. Brace. 2,596,523, May 13.
Refrigerator compressor. F. Berry. 2,596,640, May 13.
Refueling apparatus, Aircraft flight. R. L. Williams, A. F. Lammers, and H. W. Zipp. 2,596,455, May 13.
Registering and assembling unit for films and mounts therefor. Y. H. Kurkjian. 2,596,253, May 13.
Regulator: *See*—
Furnace draft regulator.
Pressure responsive regulator.
Regulator with saturable core. S. E. Hedström. 2,596,685, May 13.
Reinforced sponge and reinforcing it. W. E. Kautenberg. 2,596,565, May 13.
Removing deposits from wells. C. R. Fast. 2,596,137, May 13.
Replacing web rolls in printing machines. W. C. Wieking. 2,596,189, May 13.
Resilient member and fastening device therefor. G. L. Meyers and J. C. Shutt. 2,596,780, May 13.
Reversible rug display cabinet. O. Thor. 2,596,291, May 13.
Rheostat, Pressure. R. Garey. 2,596,673, May 13.
Rheostatic switch. R. W. McGarvey. 2,596,420, May 13.
Rifle with integral breech bolt and magazine. R. G. Davidson. 2,596,841, May 13.
Rod weeder attachment for cultivators. B. R. Miller and J. Gobatti. 2,596,270, May 13.
Roller machine for the molding of dough and other plastic substances. E. M. Crosland. 2,596,215, May 13.
Roof construction. J. H. Norrid. 2,596,786, May 13.
Rotary hoe wheel. T. C. Bushong. 2,596,527, May 13.
Rotatable turn indicating signal. A. Greene. 2,596,849, May 13.
Rotor blade. D. N. Meyers. 2,596,818, May 13.
Routing machine. J. A. Richards, Jr. 2,596,868, May 13.
Rub-board bridle support. H. E. Sparks. 2,596,613, May 13.
Safety automobile steering wheel. H. J. Nagin. 2,596,784, May 13.
Safety control for gaseous fuel burners. G. B. Solovieff. 2,596,796, May 13.
Safety device. H. J. Ide. 2,596,928, May 13.
Safety device for cable tool drilling rigs. A. H. Brandt and A. J. Raasch. 2,596,362, May 13.
Safety device for liquid supply systems. F. W. Jackson and H. M. Nacey. 2,596,691, May 13.
Salt cellar having absorbent cartridge. C. T. Crowley. 2,596,763, May 13.
Sash balance. W. P. Kessler. 2,596,932, May 13.
Saw, Brisket. W. J. Hincks. 2,596,481, May 13.
Saw guide and supporting means, Portable power. G. L. Bridwell. 2,596,524, May 13.
Sawing machine. V. V. Weyant. 2,596,630, May 13.
Screened positive for use in preparation of intaglio printing plates and making said positive. L. C. Austin. 2,596,115, May 13.
Screw-tightening caps on jars by frictional pressure which diminishes as tightening proceeds. F. J. Johnson, F. J. Johnson, Jr., and R. L. Johnson. 2,596,408, May 13.
Sealed edge slitting machine. E. F. Hill. 2,596,400, May 13.
Seat: *See*—
Folding seat.
Seat support for use with dental chairs, Auxiliary. C. W. Johnson and J. T. Clark. 2,596,561, May 13.
Self-aligning controlled friction bearing. F. B. Bolte. 2,596,202, May 13.
Self-closing paste tube. L. A. Parker. 2,596,592, May 13.
Separating diaryl-2-imino hydantoins from the corresponding 2,5-di-imino glycolurils. H. W. Carhart and P. C. Teague. 2,596,126, May 13.
Separating solids from liquids, Method and system for. G. J. Strezynski. 2,596,616, May 13.
Separation of organic compounds. H. G. McGrath. 2,596,160, May 13.
17-hydroxy-20-keto-21-acyloxy pregnanes, Producing. S. Kaufmann, G. Rosenkranz, and J. Pataki. 2,596,563, May 13.
Severable multiple unit case. K. C. Ferguson. 2,596,331, May 13.
Shaft for manicuring machines, Flexible. M. Kessler. 2,596,335, May 13.
Shear pivot. R. W. Erickson. 2,596,767, May 13.
Sheet holding means. E. Penker. 2,596,864, May 13.
Sheet metal nut attaching machine. H. J. Schuldt. 2,596,871, May 13.
Sheet metal punching apparatus. H. Nelson. 2,596,911, May 13.
Shingle gauge attachment for roofer's hatchet. J. F. Ingram. 2,596,558, May 13.
Shock absorber for railway car trucks. R. J. Olander. 2,596,282, May 13.
Shock absorbing suspension for liquid gas containers. H. S. Jacket. 2,596,244, May 13.
Shock absorbing watch bearing. E. Van Haaften. 2,596,449, May 13.
Shock tier. C. A. Palmer. 2,596,717, May 13.
Shoulder frame. J. L. Despres. 2,596,842, May 13.
Shuttle box for looms. L. J. Carter. 2,596,651, May 13.
Shuttle guard. I. B. Green. 2,596,545, May 13.
Sign: *See*—
Street sign.
Signal control device. S. H. Lapidus. 2,596,858, May 13.
Signal device for automotive vehicles, Turning. F. W. Sampson. 2,596,440, May 13.
Signal device for indicating overheated bearings and the like. R. D. Finnell. 2,596,847, May 13.
Signal generating device. L. R. Philpott. 2,596,167, May 13.
Signal generator. H. L. Gerwin. 2,596,142, May 13.
Signal receiver for carrier-wave telephony systems. W. Six, H. G. Beljers, and J. te Winkel. 2,596,612, May 13.
Signal sending device within automatic telephone system. K. G. Johnson and N. V. Hofstrand. 2,596,245, May 13.
Single and multiple bend tangent bending machine. L. B. Green. 2,596,848, May 13.
Sink pad. J. H. Suarez. 2,596,735, May 13.
Skiing pole. M. Sibner. 2,596,733, May 13.
Sliced bacon package. L. B. Uehlein. 2,596,514, May 13.
Slidable side jaw wrench. W. J. McEnroe, Jr. 2,596,266, May 13.
Slide valve. J. E. McGovney. 2,596,817, May 13.
Slider for slide fasteners. R. E. Meech. 2,596,861, May 13.
Sliding post caliper. J. J. Seme. 2,596,731, May 13.
Slingshot, Repeating magazine. E. C. Sanderson. 2,596,870, May 13.
Slush pump piston. A. R. Maier. 2,596,703, May 13.
Snap acting pneumatic pressure pilot. G. F. Brockett. 2,596,366, May 13.
Snap-on line guide for fishing poles. C. R. Benge. 2,596,835, May 13.
Sock drying device. A. J. Leonard, Sr. 2,596,859, May 13.
Solenoid gas valve. R. W. Johnson, C. E. Zarwell, and L. V. McCarty. 2,596,409, May 13.
Speaker system, Electric organ. D. J. Leslie. 2,596,258, May 13.
Spectacle bridge, Two-color. F. W. Lindblom. 2,596,572, May 13.
Speed reducer. W. P. Schmitter. 2,596,794, May 13.
Spinning, twisting, and like apparatus. R. Ragan. 2,596,172, May 13.
Sponge metal, Producing. G. Tanner. 2,596,877, May 13.
Spotwelding, Method and machine for. J. C. Weidel. 2,596,453, May 13.
Spray gun, Rotating nozzle. W. M. Windhorn, Jr. 2,596,191, May 13.
Spray head, Dishwashing. F. H. Ellinger. 2,596,387, May 13.
Sprayer, Tractor. B. Easick. 2,596,473, May 13.
Spraying device. W. B. Kochner. 2,596,415, May 13.
Spring clip. D. R. Rollings. 2,596,438, May 13.
Spring structure. V. Asaro. 2,596,196, May 13.
Sprinkler head. D. F. Dunham. 2,596,383, May 13.
Sprinkler, Rotary. C. W. McBride. 2,596,577, May 13.
Sprocket or the like. D. H. Montgomery. 2,596,501, May 13.
Spudding beam. D. R. Moore. 2,596,709, May 13.
Stack-type oil bath filter. J. K. Brixius. 2,596,121, May 13.
Stamping and assembling multipart conductor clamps. G. E. Daniels. 2,596,375, May 13.
Staple remover. W. G. Pankonin. 2,596,719, May 13.
Steam electric iron. R. L. Hedenkamp. 2,596,684, May 13.
Steam iron. R. J. Scott. 2,596,608, May 13.
Stepladder. J. B. Bell. 2,596,521, May 13.
Sterilizer, Dental. V. H. Dietz. 2,596,219, May 13.
Store basket and carriage. D. G. Kasper. 2,596,775, May 13.
Storm window fastener. E. A. Lucas. 2,596,906, May 13.
Straining means. C. F. Dinley. 2,596,661, May 13.
Streamlined auxiliary fuel tank. W. S. Fletcher. 2,596,139, May 13.
Street sign. R. Michel. 2,596,582, May 13.
Strengthening a calcined supported phosphoric acid catalyst. J. M. Mavity. 2,596,497, May 13.
Stretcher, Collapsible. I. C. Klingler. 2,596,250, May 13.
Styrenated products. R. W. H. Tess, R. H. Jakob and T. F. Bradley. 2,596,737, May 13.
Suitcase, Wheeled. G. H. and M. McIntyre. 2,596,578, May 13.
Sulfidation of minerals. H. A. Shabaker. 2,596,609, May 13.
Superheterodyne receiving circuit. J. H. van Wageningen. 2,596,624, May 13.
Supplemental top for automobiles. W. Urich. 2,596,309, May 13.
Support: *See*—
Adjustable gate support.
Garbage can support.
Rub-board bridle support.
Support for flatirons, Automatic. N. B. Wales. 2,596,314, May 13.
Supported adhesive sheet material unit and making the same. M. Seymour. 2,596,179, May 13.
Supported phosphoric acid catalyst and manufacture. J. M. Mavity. 2,596,498, May 13.
Surface covering materials. H. Derman. 2,596,377, May 13.

Switch: *See*—
Alarm switch.
Control switch.
Direction signal switch.
Electric switch.
Inertia-operated switch.
Mercury column thermostatic switch.
Rheostatic switch.
Time switch.
Switch combined with fluid control valve, Electric. J. Pacifico. 2,596,505, May 13.
Switch for fuses, Pressure. J. Rabinow. 2,596,171, May 13.
Switch with delayed break connector, Compressed air. A. Latour. 2,596,254, May 13.
Synchronizing arrangement. M. R. Laing and W. Myers. 2,596,698, May 13.
Synthesis of organic compounds. R. Pyzel. 2,596,434, May 13.
Synthesis of oxygenated organic compounds. W. M. Smith, W. D. Luening and S. C. Lane. 2,596,920, May 13.
Synthesis of pinacolone. F. E. Condon. 2,596,212, May 13.
Synthetic resins prepared from biguanide-aldehyde condensation products. D. W. Kaiser. 2,596,930, May 13.
Table: *See*—
Collapsible interlocking extensible table.
Table top construction, Peripherally reinforced sheet metal. E. C. Booth. 2,596,465, May 13.
Tamping an explosive charge. C. K. Bain. 2,596,639, May 13.
Tank: *See*—
Oil field wash tank.
Streamlined auxiliary fuel tank.
Tantalum carbide filament electric lamp containing hydrogen-volatile hydrocarbon mixture. D. P. Cooper, Jr. 2,596,469, May 13.
Tape dispensing. S. B. Lindsey. 2,596,158, May 13.
Taximeter. B. C. Palmer. 2,596,164, May 13.
Telemetering system. W. Hampton and G. W. Neuhard. 2,596,147, May 13.
Telephone system, Toll switching. H. W. Balzer. 2,596,833, May 13.
Telescoping box. C. W. Dennis. 2,596,218, May 13.
Television time base circuit. B. R. Overton. 2,596,590, May 13.
Television receiving system. A. C. Schroeder. 2,596,918, May 13.
Tensioning device. D. W. O'Malley. 2,596,428, May 13.
Tepee. M. J. Scholting. 2,596,442, May 13.
Terpene-phenolic reaction production. L. M. Geiger. 2,596,235, May 13.
Tetrapolyphosphoric phosphonates, Making. H. J. Hagemeyer, Jr. 2,596,679, May 13.
Textile machine. J. Dotti. 2,596,764, May 13.
Thermosealing attachment. J. Halahan, T. F. Aronson and F. A. Lyon. 2,596,680, May 13.
Thermostiffening sheet material and making same. W. A. Ernst. 2,596,136, May 13.
Thread cutting mechanism. H. H. Ranney. 2,596,723, May 13.
Thread guiding apparatus. S. W. Barker. 2,596,520, May 13.
Thread rolling machine. W. Stern. 2,596,962, May 13.
Through-feed staking machine. C. R. Campbell, Jr. 2,596,125, May 13.
Time indicating key holder. B. C. Crapster. 2,596,374, May 13.
Time switch. J. J. Everard. 2,596,330, May 13.
Timer, Cycle rate. E. R. Gilbreath. 2,596,143, May 13.
Tire pressure gauge. H. W. Krohn, Jr. 2,596,856, May 13.
Titanium activated barium pyrophosphate phosphor. P. W. Ranby. 2,596,509, May 13.
Titanium base alloy. R. I. Jaffee and H. R. Ogden. 2,596,485, May 13.
Titanium-base alloys. R. I. Jaffee, H. R. Ogden and D. J. Maykuth. 2,596,486-9, May 13.
Toaster crumb tray latch. M. Ireland. 2,596,243, May 13.
Tobacco pipe and a hollow member therefor. J. W. Less. 2,596,905, May 13.
Tocopherols, Treating. J. G. Baxter. 2,596,090, May 13.
Tongs having releasable load engaging tines. E. Kupka. 2,596,857, May 13.
Tool: *See*—
Honing tool.
Toolholder, Antichatter floating. A. W. Parkins. 2,596,821, May 13.
Toolholder, Resilient. E. J. Adrien. 2,596,110, May 13.
Toothbrush holder and powder dispenser, Combined. T. M. Dendy. 2,596,217, May 13.
Toothed shouldered spring retainer clip. E. J. Soltysik. 2,596,346, May 13.
Top roll structure. V. A. Hanson. 2,596,334, May 13.
Torpedo head, Variable length. T. C. Boyle. 2,596,120, May 13.
Torque converter brake control. A. Quayle. 2,596,722, May 13.
Torsion bar suspension for individual wheel mountings. L. Thoms. 2,596,922, May 13.
Towing mast for trucks. A. E. Ward. 2,596,629, May 13.
Toy for dental engines. C. J. Gardetto. 2,596,232, May 13.
Toy train construction, Wooden. C. S. Olson and A. P. Bergstrand. 2,596,957, May 13.
Toy, Worm simulating. C. F. Dawson. 2,596,216, May 13.
Traction device for vehicle wheels. C. G. Allen. 2,596,517, May 13.
Tractor cab, Safety. R. A. Kropp. 2,596,903, May 13.
Trailer dolly, House. E. C. Converse. 2,596,655, May 13.
Transit. E. L. Callahan. 2,596,468, May 13.
Transmission. R. Lapsley. 2,596,699-700, May 13.
Transmission and one-way clutch therefor. K. A. Browne. 2,596,367, May 13.
Transmission unit. J. B. Boyett, Sr. 2,596,643, May 13.
Transparency inserting and positioning device. W. P. Ewald. 2,596,667, May 13.
Trap: *See*—
Animal trap.
Trap for steam-circulating systems, Steam-lifting. F. S. Morton. 2,596,587, May 13.
Tray or holder, Partitioned. K. T. Buttery. 2,596,205, May 13.
Tray, Soap. L. J. Giossi. 2,596,675, May 13.
Treating arsenical gold ores. J. B. McKay and J. V. Thompson. 2,596,580, May 13.
Treating hydrocarbons with alkali metal hydroxides. L. Rosenstein. 2,596,175, May 13.
Treatment of carbohydrate-containing liquids for removal of alkaline earth compounds. G. T. Reich. 2,596,599, May 13.
Treatment of the spent cooking liquor of an ammonia base sulfite pulping process. D. Heileur. 2,596,241, May 13.
Treatment of wells. J. B. Clark. 2,596,844–5, May 13.
Trolling device. P. Metzger. 2,596,269, May 13.
Trouser blousing method. A. A. Aines. 2,596,112, May 13.
Trouser pocket structure. H. Buelow. 2,596,525, May 13.
Truck and trailer body. F. Gerhardt. 2,596,478, May 13.
Truck, Lateral motion. C. P. Leese. 2,596,777, May 13.
Truck, Mechanical handling. R. Ward and J. Ridley. 2,596,747, May 13.
Tube: *See*—
Infant nasal feeding tube.
Self-closing paste tube.
Tube cleaner. G. A. Lewenhagen. 2,596,571, May 13.
Tubing caliper with latch means. J. V. Fredd. 2,596,924, May 13.
Tubular metal-to-glass sealing construction. T. H. Briggs, Jr. 2,596,758, May 13.
Tubular router. R. E. Richards. 2,596,867, May 13.
Tuner driving mechanism, Push-button. O. E. Wagenknecht. 2,596,451, May 13.
Turning machine. W. Siegerist. 2,596,444, May 13.
21-acyloxy allopregnanes, Preparation of. S. Kaufmann, G. Rosenkranz and J. Pataki. 2,596,562, May 13.
2,3,5,6, tetramethyl anilino anthraquinones and making the same. J. Ogilvie. 2,596,820, May 13.
Undergarment waistline midriff girdle. H. J. Dubner. 2,596,765, May 13.
Universal keyway and slotter attachment. S. R. Keller. 2,596,695, May 13.
Use of carbalkoxy hydroxy benzocoumarin against fungi. M. Silverman and B. Helnemann. 2,596,107, May 13.
Utensil for slicing and cutting articles of food, Kitchen. L. C. Schaeffer. 2,596,604, May 13.
Vacuum cleaner dust bag. L. P. Borkoski. 2,596,806, May 13.
Valve: *See*—
Aerosol bomb valve.
Butterfly valve.
Cellar drain valve.
Differential pressure relief valve.
Lubricated plug valve.
Slide valve.
Solenoid gas valve.
Valve. H. S. Ross. 2,596,869, May 13.
Valve and attachment, Hydraulic jack operated. W. N. Coolidge and F. W. Geiger. 2,596,532, May 13.
Valve device. F. J. Mufich and H. S. Ross. 2,596,909, May 13.
Valve for fuel-feeding systems, Speed responsive. J. C. Baisch. 2,596,461, May 13.
Valve for rotating combustion products generators, Centrifugal balance fuel. T. B. Murdock and R. H. Ball. 2,596,161, May 13.
Valve operating mechanism for hot-air registers. R. L. Leigh. 2,596,257, May 13.
Valve packing assembly. G. L. Hammon. 2,596,681, May 13.
Variable flexibility suspension device for vehicles. G. Chausson. 2,596,209, May 13.
Variable ratio booster control system. T. C. Hill. 2,596,242, May 13.
Variable-speed mechanism. A. G. Frost. 2,596,231, May 13.
Variable-stop hydraulic system. R. M. Densmore and N. J. Dalton. 2,596,471, May 13.
Vehicle driving chain. J. A. Kennedy. 2,596,248, May 13.
Vehicle suspension. A. S. Krotz. 2,596,904, May 13.
Vehicle wheel mounting. B. Essick. 2,596,390, May 13.
Venetian blind. W. C. Kincaid. 2,596,413, May 13.
Ventilator. H. O. Scheller. 2,596,605, May 13.
Ventilator mechanism. C. J. Wilhelmi. 2,596,801, May 13.
Vessel, Pressure. D. B. Gardner. 2,596,233, May 13.
Vessel, Pressure. W. H. Zollinger. 2,596,353, May 13.
Vibration measuring device. H. F. Clarke. 2,596,529–31, May 13.
Vise having reservoir, pump, and cylinder carried by movable jaw, Hydraulic. J. Helstrom. 2,596,853, May 13.

Visor for vehicles and the like. W. P. Solmes. 2,596,873, May 13.
Visor, Sun. J. W. Greig and A. P. Fletcher. 2,596,397, May 13.
Volume compression circuit. D. E. Roberts. 2,596,510, May 13.
Wagon hoist. R. M. Ulrich. 2,596,948, May 13.
Wardrobe type foldable luggage bag. M. Kish, Jr., J. R. McNeil and E. Kirby. 2,596,412, May 13.
Washing machine having a nonrigid container. H. J. Rand. 2,596,791, May 13.
Water heater control. W. W. Carson, Jr. 2,596,812, May 13.
Wave guide lens system. W. E. Kock. 2,596,251, May 13.
Wave guide rotary joint. R. C. Habich. 2,596,398, May 13.
Wave guide stub. J. F. Zaleski. 2,596,458, May 13.
Wax compound and making. R. B. Trusler. 2,596,829, May 13.
Web feeding mechanism for package forming machines. J. G. Vergobbi. 2,596,625, May 13.
Wedge-actuated clamp. D. F. Wolfe. 2,596,635, May 13.
Welding plastic films. E. L. Kirk. 2,596,933, May 13.
Well pumping system. M. W. Haines. 2,596,146, May 13.
Wheel: *See*—
Rotary hoe wheel.
Safety automobile steering wheel.
Wheel dressing and forming apparatus. N. Hoglund. 2,596,555, May 13.
Wheel quenching device. R. E. Penrod. 2,596,345, May 13.
Wide range flow control valve. W. S. E. Crake. 2,596,534, May 13.
Wild life chaser. W. W. Gross, Jr. 2,596,678, May 13.
Wind motor. J. G. A. Rydell. 2,596,726, May 13.
Winding machine. T. N. Carter. 2,596,208, May 13.
Window shutter. R. L. Leigh. 2,596,569, May 13.
Window structure, Sliding hinge casement. S. L. Potts. 2,596,433, May 13.
Windscreen wiper. C. A. Bayes. 2,596,197, May 13.
Wine filtration. J. H. Fessler. 2,596,392, May 13.
Wood fastener. G. J. Soderberg and T. Packard. 2,596,181, May 13.
Wool combing machine. J. Eastwood. 2,596,540, May 13.
Work chuck. T. Zimmerman. 2,596,321, May 13.
Worktable, Adjustable. R. C. McKinnie. 2,596,267, May 13.
Woven fabric. C. D. Williamson and G. Fuller. 2,596,803, May 13.
Wrapper for candy bars or the like. R. Townsend. 2,596,620, May 13.
Wrench: *See*—
Automatically adjustable wrench.
Quick-acting pipe wrench.
Slidable side jaw wrench.
Writing pad for temporary notations. G. W. Dechert. 2,596,890, May 13.
Yarn manufacturing. R. G. Dort. 2,596,221, May 13.
Zipper and producing the same. C. C. Cohn. 2,596,888, May 13.

CLASSIFICATION OF PATENTS

ISSUED MAY 13, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business April 25, 1952

Total number of patent applications awaiting action, 99,564. Date of oldest new application, July 2, 1951; date of oldest amended application, July 6, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	8-13-51	8-13-51	2020
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	10-4-51	9-29-51	1078
3. WINDHAM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	9-25-51	9-27-51	1597
4. FALLER, E. A., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	7-21-51	7-21-51	1584
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	9-10-51	9-10-51	1203
6. SURLE, H., Carbon Chemistry (part)	8-22-51	8-11-51	1856
7. ANDERSON, E. G. (Acting), Optics; Photography (part)	9-11-51	9-12-51	1185
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	7-21-51	7-19-51	1602
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	8-1-51	8-1-51	1397
10. NEFF, P. R. (Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	8-6-51	8-2-51	1318
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	8-3-51	8-2-51	957
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	7-30-51	8-9-51	1180
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	7-18-51	7-20-51	1304
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	7-18-51	7-18-51	1645
15. STEPHENSON, W. J. (Acting), Plastics; Plastic Block and Earthenware Apparatus; Glass	10-12-51	10-10-51	1110
16. LOVEWELL, N. N., Television, Telephony	8-1-51	8-1-51	1225
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	7-17-51	7-18-51	1900
18. KURZ, J. A., Power Plants; Speed Responsive Devices	7-25-51	7-27-51	1192
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-3-51	7-31-51	1128
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes	8-13-51	8-13-51	1400
21. MADER, R. C., Textiles	7-25-51	7-23-51	1306
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8-1-51	7-31-51	1094
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	8-7-51	8-9-51	816
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	9-6-51	8-27-51	1423
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	8-16-51	8-13-51	1167
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	7-27-51	7-27-51	1226
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-13-51	8-10-51	1501
28. BRAUNER, R. H., Motors, Expansible Chamber Type: Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	7-31-51	7-26-51	1253
29. HABECKER, L. B., Button Making; Woodworking; Tools	8-10-51	8-14-51	1084
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	9-7-51	9-7-51	1466
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy compounds, Hydrocarbons, Halogenated Hydrocarbons.	8-18-51	8-28-51	1992
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	8-4-51	8-1-51	1145
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	8-1-51	7-27-51	1992
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8-1-51	7-28-51	1335
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	8-1-51	8-1-51	1444
36. McFADYEN, A. D., Measuring and Testing	7-25-51	7-26-51	1211
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	8-20-51	8-2-51	1274
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	7-25-51	7-25-51	1530
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	7-27-51	7-27-51	2598
40. DRUMMOND, E. J., Receptacles (part); Packages	8-9-51	8-3-51	1407
41. OURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article-Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	7-27-51	7-26-51	1135
42. MARANS, H., Electric Signaling (part, except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection); Signals; Telegraph (part); Signals and Indicators.	8-3-51	8-1-51	1076

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 99,564. Date of oldest new application, July 2, 1951; date of oldest amended application, July 6, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-6-51	9-4-51	1222
44. HARVEY, L. P., Beds; Chairs, Seats	7-23-51	7-17-51	1364
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-2-51	8-2-51	1314
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	8-13-51	8-7-51	898
47. KANOL, W. J., Motor Vehicles; Land Vehicles (part)	7-25-51	7-20-51	1571
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	7-21-51	7-27-51	1622
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring	7-25-51	7-19-51	1405
50. BENGEL, W. G., Synthetic Resins	10-10-51	10-9-51	1486
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	8-8-51	8-8-51	1312
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-8-51	8-8-51	2064
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	8-23-51	8-23-51	1026
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-3-51	7-26-51	1632
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	8-11-51	8-13-51	1096
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	8-18-51	8-16-51	1805
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	8-14-51	8-13-51	1708
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	8-1-51	7-30-51	871
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	8-11-51	8-7-51	1090
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9-4-51	8-15-51	1012
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	8-14-51	7-28-51	1228
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	8-28-51	8-9-51	1352
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	8-3-51	7-26-51	1532
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-10-51	9-10-51	1826
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-13-51	8-6-51	1426
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	7-28-51	7-26-51	1012
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	7-31-51	8-4-51	1248
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	8-15-51	8-6-51	1564
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	7-28-51	7-27-51	1307
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	7-2-51	7-6-51	2936
DESIGNS: A. BREHM, G. L., Industrial Arts	1-15-52	1-19-52	595
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	1-2-52	1-2-52	684

Total number of trade-mark applications awaiting action (including renewals and republications), 14,418. Date of oldest new application, October 17, 1951; date of oldest amended application, October 15, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	10-17-51	10-17-51	3686
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	11-5-51	11-5-51	3174
Renewals (All Classes)	2-26-52	3-22-52	727
Republications (All Classes)	3-12-52	3-22-52	217
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	11-13-51	11-12-51	3289
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	10-20-51	10-15-51	3325

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

MISSION DRY CORPORATION
v.
THE SEVEN-UP COMPANY

No. 5826. Decided December 18, 1951

[193 F.2d 201; 92 USPQ 144]

1. TRADE-MARKS—ABANDONMENT OF MARK—LONG NON-USE INDICATES INTENTION TO ABANDON.
Under the provisions of section 45 of the Trade-Mark Act of 1946 the discontinuance of the use of a mark with intent to abandon constitutes an immediate abandonment, and the continuance of non-use from 1939 until 1946 would indicate an intention to abandon, even though such abandonment had not been specifically expressed.

2. SAME — CANCELLATION — SIMILARITY OF MARKS NOT CONSIDERED WHERE A MARK IS ABANDONED.
Section 14 of the act of 1946 provides for the cancellation of the registration of any trade-mark which has been abandoned, whether or not there was confusing similarity between the marks of the parties.

3. SAME—SAME—LACHES DOES NOT APPLY IF RECORD SHOWS SPECIFIC ABANDONMENT.
Although appellee did not petition for cancellation of appellant's mark until 1947, its failure to bring such action, because of the seemingly specific abandonment of the mark in a letter from an officer of the appellant, could not adversely affect the right of the appellee to the cancellation sought.

APPEAL from Patent Office. Cancellation No. 5119.

AFFIRMED.

Albert J. Fihe (*Munson H. Lane* of counsel) for appellant.

John H. Cassidy for appellee.

JACKSON, *J.*:

On May 2, 1938, appellant filed its application, Serial No. 405,933, to register the trade-mark "CHARGE UP" as applied to non-alcoholic, maltless beverages used as soft drinks, together with syrups and extracts for preparing the same. The mark, bearing No. 360,613, was registered September 20, 1938.

Appellee petitioned the Commissioner of Patents to cancel the registration of appellant's mark on November 7, 1947, under the provisions of the Trade-Mark Act of 1946. Appellee, in its petition, alleged that it adopted and began the use of the trade-mark "SEVEN UP" or "7 UP" for non-alcoholic beverages and for extracts and flavors therefor on or about August 7, 1928; that it is the owner of six registered trade-marks each of which includes the mark "SEVEN UP" or "7 UP" the first of which was issued February 5, 1929, and the last December 11, 1945; that the goods of the respective parties possess identical characteristics and that appellant's mark so nearly resembles the marks of appellee as to be likely to cause confusion in trade; and that appellant, upon the request of appellee, abandoned the use of the mark on or about November 14, 1939.

Appellant, in its answer to the petition, admits the ownership of the registered marks to be in appellee; denies that the involved marks are in any way similar or that confusion and mistake would result due to their concurrent use; and denies that the mark of appellant had ever become abandoned. Appellant also alleged that if appellee ever had any rights in the premises it has been guilty of gross laches in bringing this proceeding so as to bar the attempt to cancel appellant's mark.

Testimony and briefs were filed by the parties who were represented at the hearing before the Examiner of Interferences.

It is clear from the evidence that the beverages and extracts of the parties are identical in a trade-mark sense. It also appears that on July 13, 1937, appellant used as a trade-mark the expression "CHARGE-ER" or "CHARGER" for which it obtained Registration No. 353,414.

Appellee first learned of appellant's use of the mark "CHARGE UP" sometime prior to November 14, 1939, during a convention of the American Bottlers of Carbonated Beverages held in San Francisco, California. At that time appellee gave notice to the then president of appellant that the use of the mark "CHARGE UP" was an infringement of appellee's mark. Shortly thereafter, the president of appellant corporation under date of November 14, 1939, sent a letter to appellee in which the following appeared:

> However, since you expressed yourself as being somewhat displeased with our contemplated use of the word "CHARGE-UP" we have so changed our trade-mark for this particular product that the word "Up" has been entirely eliminated. Because of this decision on our part we have not forwarded any Charge-Up bottles to St. Louis as previously promised.

That letter was acknowledged by the appellee on November 17, 1939, in which it was stated:

> We have your letter of November 14th and are glad you are making the change elliminating the word "Up" from your drink "Charge Up."

It appears that no further use was made of the mark "CHARGE UP" by appellant until the early part of 1946 when it once more began the use of the mark. That date was about five years subsequent to the death of the president of appellant who had

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received notice from appellee that the use of the mark "CHARGE UP" was an infringement of appellee's marks.

The Examiner of Interferences, in his decision, held that the circumstances of the case indicated to him that the recognition by appellant in 1939 of the trade-mark rights of appellee and the following non-use by appellant of its mark until 1946 in deference to such rights, relieved appellee during that time of any obligation to take further action against appellant and, accordingly, appellant was estopped from invoking the doctrine of laches as a bar against whatever rights appellee had in the premises. In support of that holding the Examiner cited *Rothman et al.* v. *The Greyhound Corp. et al.*, 175 F.2d 893, 82 USPQ 143; *Vita-Var Corporation* v. *The White Company*, 76 USPQ 267; *Saperstein* v. *Grund*, 85 F. Supp. 647, 82 USPQ 67.

The Examiner then considered the grounds for cancellation with respect to the confusion-in-trade clause. Since there was no question but that appellee was the prior user and because the parties are clearly competitive there only remained for consideration, in the opinion of the Examiner, the question of whether the involved marks are confusingly similar. He held that while identical portions of the marks are unlike in some respects, considered in their entireties, the resemblances between them predominate over their differences and therefore their concurrent use by the parties would be reasonably likely to cause confusion in trade. The Examiner further held that the record was not sufficient to support the contention of appellee that appellant abandoned its mark and sustained the petition for cancellation on the ground that the marks were confusingly similar.

On appeal, the Commissioner of Patents, through Assistant Commissioner Joe E. Daniels, affirmed the decision of the Examiner of Interferences (86 USPQ 263). The Assistant Commissioner held that the non-use by appellant of the mark "CHARGE UP" was not merely temporary, but was an intentional and complete discontinuance of its use and, as shown by the letter of November 14, 1939, there was a definite intent on the part of appellant to eliminate the mark.

[1] The Assistant Commissioner then properly stated that when the use of a mark is discontinued with intent to abandon, it constitutes an immediate abandonment and the continuance of non-use in this case from 1939 until 1946 indicated an intention to abandon even though such abandonment had not been specifically expressed. That holding of the Assistant Commissioner is in accord with section 45 of the Trade-Mark Act of 1946, which was cited in the Commissioner's decision, reading as follows:

> Sec. 45. Construction and definitions. In the construction of this act, unless the contrary is plainly apparent from the context—
>
> * * * * * * *
>
> *Abandonment of mark.* A mark shall be deemed to be "abandoned"—
>
> (a) When its use has been discontinued with intent not to resume. Intent not to resume may be inferred from circumstances. Non-use for two consecutive years shall be prima facie abandonment.
>
> (b) When any course of conduct of the registrant, including acts of omission as well as commission, causes the mark to lose its significance as an indication of origin.
>
> * * * * * * *

[2] The Assistant Commisssioner further noted that section 14 of the act provides for the cancellation of a registration of any mark which has been so abandoned and therefore the registration of appellant should be canceled whether or not there was confusing similarity between the marks of the parties.

It was the opinion of the Assistant Commissioner that because of his holding with respect to abandonment it was not necessary to consider the question of confusing similarity. He stated that apellant by its conduct conceded the similarity of the marks and therefore any doubt would be resolved against it. It was his further opinion that the announcement of the resumption of the "CHARGE UP" mark of appellant was made by reason of the popularity of another soft drink on the market which, on the record here, must have referred to the product of appellee.

[3] With respect to the allegation of counsel for appellant that the petition for cancellation should be dismissed for the reason that appellee did not bring the proceeding before an earlier date, the Assistant Commissioner observed that even though an earlier action to cancel might have been appropriate, in view of the abandonment of appellant, as above referred to, the failure of appellee to bring such action because of the seemingly specific abandonment of the mark, could not adversely affect the right of appellee to the cancellation sought and no equitable principle of laches, acquiescence, or estoppel could be pursued against appellee by reason of appellant's conduct.

It is very clear to us that the reasoning of the Assistant Commissioner is without flaw. We cannot understand how proof of abandonment could have been more strongly admitted by appellant unless the word "abandon" had been used specifically.

In view of our conclusion we do not think it necessary to determine whether the marks of the parties are confusingly similar.

It is contended in the brief of counsel for appellant that the discontinuance of the mark "CHARGE UP" was temporary and was on the orders of a single individual without the consent of the Board of Directors of the corporation and by reason of the personal promise given to the president of appellee. Counsel therefore urge that such action of the president of a corporation cannot be considered the act of the corporation and appellant company should not be bound thereby. We cannot agree with that contention. The facts are that the mark "CHARGE UP" was used on appellant's product for the period of only a few months. It was then discontinued and not used again until approximately five years subsequent to the death of appellant's president. It seemed clear to us that the long use of the mark "CHARGE-ER" or "CHARGER" which was substituted for the mark "CHARGE UP" surely must have been known to the officers of the corporation and there is nothing in this record to indicate that the president of appellant was not acting within the scope of his authority when he agreed that the mark "CHARGE-UP" was confusingly similar to the marks of appellee.

In our opinion, the record shows that appellant definitely abandoned the use of the mark "CHARGE UP" and therefore the case of *Korona Spice Corp.* v. *Kuczor*, 77 USPQ 172, is not in point. Nor can we hold that the record here indicates a mere nonuse of a trade-mark for a limited period and, therefore, the case of *H. H. Meyer Packing Co.* v. *The E. Kahn's Sons Co.*, 1 USPQ 229, cited by counsel for appellant is not applicable. Neither is the case of *The Rosemaid* v. *Rose Bros. Co.* v. *Sam Rosenberg & Co.*, 2 USPQ 125, of avail in support of the contention of counsel for appellant.

In view of what has hereinbefore been set out, the decision of the Commissioner is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,009,376. (See 2,088,105.) 2,082,730. (See 2,258,573.)

2,088,105, Frank & Harper, Electrical distribution system; 2,009,376, W. H. Frank, same; 2,287,502, Togesen & Fisher, same; 2,372,267, W. H. Frank et al., same, filed Apr. 7, 1952, D. C., S. D. Ohio (Cincinnati), Doc. 2858, *Bulldog Electric Products Co.* v. *Continental Electric Equipment Co., Inc., et al.*

2,252,210, P. R. Seemiller, Method of making a heat-exchange core; 2,252,211, same, Heat exchange core, C. C. A., 1st Cir., Doc. 4589, *McCord Corp.* v. *Beacon Auto Radiator Co., Inc.* Judgment of district court affirmed (notice Apr. 1, 1952).

2,252,211. (See 2,252,210.)

2,258,573, A. A. Johnson, Manifold pack; 2,082,730, C. W. Brenn, Manifold device, appeal filed Mar. 27, 1952, C. C. A. 1st Cir., Doc. 4632, *Autographic Register Co.* v. *Philip Hano Co., Inc.*

2,280,479, A. Cohen, Garment; Des. 148,217, A. Dunner, Shirt, D. C., S. D. N. Y., Doc. 50/175, *Dunner of New York, Inc.* v. *D. D. Doniger & Co., Inc.* Stipulation of dismissal (notice Apr. 2, 1952).

2,287,502. (See 2,088,105.) 2,372,267. (See 2,088,105.)

2,397,743, L. Kaphan, Ornamental fabric and method of production; 2,399,744, same, Decorative fabric and method of making same, D. C., S. D. N. Y., Doc. 36/310, *Revere Handbag Co., Inc., et al.* v. *Koppel-Friedman, Inc.* Consent judgment favor plaintiff sustaining patents, adjudging infringement and granting injunction (notice Jan. 21, 1947). (To correct error in 595 O. G. 471, formerly published as 2,397,744.)

2,399,744. (See 2,397,743.)

2,425,779. (See Re. 23,142.)

2,454,621. (See Re. 23,142.)

2,459,110, S. P. Midouhas, Collapsible clothes line; T. M. 535,122, Kamkap, Inc., Outdoor and indoor clothes dryer, D. C., S. D. N. Y., Doc. 70/83, *Kamkap, Inc.* v. *Goldsmith Bros., Inc.* Stipulation of discontinuance Apr. 7, 1952.

2,554,490, C. Eames, Furniture construction; Des. 150,683, Des. 155,272, same, Chair, filed Feb. 21, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 13858-T, *Herman Miller Furniture Co.* v. *Abbey Rents.*

2,578,239. (See Des. 158,742.)

Re. 23,142 (of 2,425,779), F. B. Allen, Discharge head; 2,454,621, same, Squeeze grip for portable fire extinguisher, D. C., N. D. Ill. (Chicago), Doc. 50c75, *C-O-Two Fire Equipment Co. et al.* v. *Acme Equipment Co. et al.* Consent judgment as to defendant Kerotest Mfg. Co. (notice Apr. 3, 1952).

Des. 148,217. (See 2,280,479.)

Des. 150,683. (See 2,554,490.)

Des. 151,732, Des. 151,733, W. G. Biey, Lady's stocking; T. M. 525,077, Sanson Hosiery Mills, Inc., Hosiery, D. C., S. D. N. Y., Doc. 67/268, *Sanson Hosiery Mills, Inc., et al.* v. *Hearn Dept. Stores, Inc.* Consent judgment holding infringement; injunction (notice Apr. 4, 1952).

Des. 151,733. (See Des. 151,732.)

Des. 155,272. (See 2,554,490.)

Des. 158,742, E. W. Gosswiller, Signal light; 2,578,239, same, Enclosed rotating signal light, filed Apr. 8, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c759, *Federal Enterprises, Inc.* v. *Mars Signal Light Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 337,407, T. M. 373,000, Smith, Kline & French Laboratories, Medicine, D. C., N. D. Ill. (Chicago), Doc. 52c618, *Smith, Kline & French Laboratories* v. *Kadco Drug Co. et al.* Manfred V. Kahn enjoined until further order of court Mar. 27, 1952.

T. M. 373,000. (See T. M. 337,407.)

T. M. 525,077. (See Des. 151,732.)

T. M. 535,122. (See 2,459,110.)

NOTICES

Rearrangement of Patents in The Official Gazette

The Commissioner of Patents, with the issue of July 1, 1952, will institute a rearrangement of the sequence of presentation of patents in the OFFICIAL GAZETTE. On that date and thereafter patents will appear in the OFFICIAL GAZETTE under three main headings, viz., General and Mechanical, Chemical, and Electrical. Within each main category patents will appear in numerical sequence by class and subclass. The patent number will be determined by the sequence within category by class and subclass of the particular patents in the issue of date.

The purpose of the proposed presentation is solely to enable and facilitate greater utilization of the OFFICIAL GAZETTE by the public and members of the patent law profession.

Consequent to the publication of patents in the OFFICIAL GAZETTE as outlined herewith, there will be a slight extension of time required to furnish the receipt for payment of final fee, and notice of patent number assigned, of from

five to eight days, depending on the incidence of non-work days in the Office immediately after the payment of final fee. On the average, the issue date of a given patent will ordinarily be the fifth Tuesday after the closing Thursday, instead of the fourth Tuesday as it has been under the random order method of presenting patents in the OFFICIAL GAZETTE practiced heretofore.

Erratum

All references to Patent No. 2,594,963 to Paul S. Menough, for Annealing Tray, appearing in the OFFICIAL GAZETTE of April 29, 1952, should be deleted as the application was withdrawn from issue and the patent was not issued.

Classification Bulletins Nos. 401, 403, and 404

The Classification Bulletins containing the following Classification Orders pertaining to the classification of subjects of invention revised by the Classification Group of the U. S. Patent Office are now available and copies may be obtained from the Commissioner of Patents at the prices indicated.

Class	Order No.	Title	Bulletin No.	Price
	94 thru 115	Miscellaneous	401	$.55
118	117	Coating Apparatus	403	.70
336	118	Adjustable Inductor Devices	404	.30

Adjudicated Patents

(D. C. Mass.) Brenn Patent No. 2,082,730, for a manifolding device, *Held* invalid. *Autographic Register Company* v. *Philip Hano Company, Inc.*, 102 F. Supp. 981; 91 USPQ 361.

(D. C. Mass.) Johnson Patent No. 2,258,573, for a manifolding pack, *Held* invalid. *Id.*

Disclaimers

2,396,094.—*Paul Stead Gay*, Charlotte, Mich. RECORD CHANGER. Patent dated Mar. 5, 1946. Disclaimer filed Apr. 15, 1952, by the assignee, *Wilcox-Gay Corporation*.

Hereby enters this disclaimer to claims 2, 13, 14, and 15 of said patent.

2,422,505.—*William H. Tangeman* and *James R. Campbell*, Ontario, Calif. FLATIRON HAVING A RETRACTABLE SUPPORT. Patent dated June 17, 1947. Disclaimer filed Apr. 11, 1952, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1 to 4, inclusive, of said patent.

2,489,999.—*Lloyd B. Cherry*, Beaumont, Tex. RECALIBRATING MOTOR CONTROL SYSTEM. Patent dated Nov. 29, 1949. Disclaimer filed Apr. 2, 1952, by the assignee, *Minneapolis-Honeywell Regulator Company*.

Hereby enters this disclaimer to claims 1, 2, 3, 6, 7, 12, and 15 of said patent.

2,498,605.—*George E. Ham*, Dayton, Ohio. SYNTHETIC FIBER PREPARATION. Patent dated Feb. 21, 1950. Disclaimer filed Apr. 7, 1952, by the assignee, *Monsanto Chemical Company*.

Hereby enters this disclaimer to all claims of said patent, with respect to the subject matter relating to compositions of 85 or more per cent acrylonitrile.

2,563,952.—*Arthur V. Nichol*, Elkins Park, Pa. IGNITION INTERFERENCE SUPPRESSION. Patent dated Aug. 14, 1951. Disclaimer filed Apr. 14, 1952, by the assignee, *Philco Corporation*.

Hereby enters this disclaimer to claim 1 of said patent.

Proposed Discontinuance of Publication of Abstracts of Applications

By Commissioner's Notice of January 25, 1949, 619 O. G. 258, a practice was instituted in the Patent Office whereby an applicant for patent could under certain circumstances, upon abandonment of his application, secure publication in the OFFICIAL GAZETTE of an abstract of the disclosure of the application.

The practice has not resulted in the benefits which were expected when it was initiated and has been taken advantage of in only a relatively small number of cases and by a relatively small number of applicants or assignees. Consideration is being given to the probable termination of the practice. Anyone interested in the retention or discontinuance of the practice is invited to submit his views in writing, addressed to the Commissioner of Patents, Washington 25, D. C., prior to October 1, 1952.

JOHN A. MARZALL,
Commissioner of Patents.

April 4, 1952

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,462,779, R. C. Russell, Gear shifting mechanism, decided July 31, 1951, claim 7.

Pat. 2,470,550, J. Evans, Pulse producing apparatus, decided Mar. 19, 1952, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13.

Pat. 2,489,793, N. C. Ludwig, Low water loss cement containing pregelatinized starch, decided Apr. 17, 1952, claims 1, 2, and 3.

Pat. 2,500,383, H. J. Sadler and E. E. Cook, Pneumatic pressure operated device, decided Feb. 13, 1952, claim 1.

Pat. 2,537,375, W. G. Simons and E. H. Dafter, Jr., Method of curing polyester resins, decided Apr. 7, 1952, claims 1, 2, and 3.

Interference Notice

Leon P. Anthony, his assigns or legal representatives, take notice:

An interference has been declared by this Office between Patent No. 2,394,738, granted February 12, 1946, to Leon P. Anthony, 3016 Dalton Avenue, Los Angeles 7, California, and the application for patent of Albert H. Winkler, 401 North Bendix Drive, South Bend 20, Indiana, and a notice of such declaration sent by registered mail to said Anthony at the said address has been returned by the Post Office as undeliverable. Said notice was then reforwarded by registered mail to Anthony c/o North American Aviation Corp., 5601 West Imperial Blvd., Inglewood, California, the address supplied by counsel for Anthony, but was again returned by the Post Office as undeliverable. This Office therefore has been unable to secure service upon the party Anthony. Notice is hereby given that unless said Anthony, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Apr. 29, 1952.)

THOMAS F. MURPHY,
Assistant Commissioner.

Apr. 4, 1952.

Cancellation Notice

Maryland Lime & Fertilizer Corp., its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by J. L. Heinl, at 1800 North Cove Blvd., Toledo, Ohio, to effect the cancellation of trade-mark registration of Maryland Lime & Fertilizer Corp., Hopewell Road, R. F. D. 3, Hagerstown, Maryland, No. 443,103, dated July 19, 1949, and the notice of such proceeding sent by registered mail to the said Maryland Lime & Fertilizer Corp., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Maryland Lime & Fertilizer Corp., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—Apr. 29, 1952.)

ERNEST F. KLINGE,
Assistant Commissioner of Patents.

Apr. 8, 1952.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

American Telephone and Telegraph Company has placed 275 patents on the Register as available for licensing on reasonable terms, in addition to the more than 9,800 patents previously registered and published. A statement of the Company's policy in licensing its patents was published in the OFFICIAL GAZETTE, Feb. 15, 1949.

Inquiries concerning licenses should be addressed to: Patent Licensing Division, Western Electric Company, Inc., 195 Broadway, New York 7, N. Y.

The present listing includes Reg. Nos. 47,451 through 47,725. Groups 33—52; 35—41—43—62—69; 36—11—13—19—31—51—61—62—92—99; 37—21; 39—13—81.

The following patents relate generally to communications and allied fields. Included are patents relating to: Telephone and telegraph equipment; hearing aids; ground trainers for aircraft crews; apparatus for use in manufacturing and testing cables; coiled retractile extension cords; methods and apparatus for use in the manufacture of electronic tubes; and apparatus for extruding plastic materials. Other patents relate to: Production-indicating means for manufacturing concerns employing numerous machines; a drilling jig for angle irons; a die having a permanent portion and a replaceable portion; a hand tool for severing conductors with a slicing action; a hand tool for removing textile coverings from conductors; a retractable roller assembly for ladders; a dispenser for pressure-sensitive adhesive tape; a door control system for interlockably controlling inner and outer double doors of auto courts, factories, and the like; a method of applying annular coatings to light bulbs; article-testing and -sorting apparatus for condensers; gauging apparatus to test the angular distribution of portions of an article, such as a cam or propeller; a profiling apparatus for rapidly cutting potentiometer cards of predetermined contour; vertically movable turntable transfer apparatus for delivering large quantities of materials to the hopper of a machine; and film driving apparatus for a motion picture camera equipped with sound recording and reproducing apparatus.

Pat. 2,502,654. Selective Signaling System and Apparatus. Apr. 4, 1950.

Pat. 2,505,153. Telegraphic Selecting Apparatus. Apr. 25, 1950.

Pat. 2,505,729. Printing Telegraph Apparatus. Apr. 25, 1950.

Pat. 2,543,199. Message Numbering Apparatus. Feb. 27, 1951.

Pat. 2,547,000. Simultaneously Advancing and Plasticizing Plastic Compounds. Apr. 3, 1951.

Pat. 2,547,107. Stabilized Amplifier. Apr. 3, 1951.

Pat. 2,547,110. Spinning Apparatus for Working Articles. Apr. 3, 1951.

Pat. 2,547,132. Preventing Static Charges From Collecting on Articles in a Dispensing Hopper. Apr. 3, 1951.

Pat. 2,547,133. Wave Filter. Apr. 3, 1951.

Pat. 2,547,142. Secondary Emission Amplifier. Apr. 3, 1951.

Pat. 2,547,356. Making Retractile Cordage Continuously. Apr. 3, 1951.

Pat. 2,547,357. Continuously Making Retractile Cordage. Apr. 3, 1951.

Pat. 2,547,386. Current Storage Device Utilizing Semiconductor. Apr. 3, 1951.

Pat. 2,547,397. Signal Sampling and Modulation. Apr. 3, 1951.

Pat. 2,547,399. Winding Mechanism for Tight Winding Paper Tape on Spools. Apr. 3, 1951.

Pat. 2,547,406. Controlling the Resistance of Oxidic Semiconductors. Apr. 3, 1951.

Pat. 2,547,416. Dielectric Lens. Apr. 3, 1951.

Pat. 2,547,515. Secrecy System. Apr. 3, 1951.

Pat. 2,547,521. Pressure Bomb for Chemical and Physical Reactions. Apr. 3, 1951.

Pat. 2,547,523. Electronic Pulse Generator. Apr. 3, 1951.

Pat. 2,547,525. Recorder Checking Device. Apr. 3, 1951.

Pat. 2,547,536. Formation of a Surface Easily Wettable by Mercury. Apr. 3, 1951.

Pat. 2,547,537. Telephone Ringer. Apr. 3, 1951.

Pat. 2,547,538. Bridging Amplifier. Apr. 3, 1951.

Pat. 2,547,539. Signal Wave Duplexing System. Apr. 3, 1951.

Pat. 2,547,549. Ringing Equipment for Pulse Modulation Systems. Apr. 3, 1951.

Pat. 2,547,575. Telegraph Repeater. Apr. 3, 1951.

Pat. 2,548,187. Determining the Oxygen Content of Copper. Apr. 10, 1951.

Pat. 2,548,199. Loading Coil. Apr. 10, 1951.

Pat. 2,548,205. Electrical Coil Assembly. Apr. 10, 1951.

Pat. 2,548,206. Loading Coil Terminal. Apr. 10, 1951.

Pat. 2,548,210. Electrical Coil. Apr. 10, 1951.

Pat. 2,548,248. Coiled Stock Holding Fixture. Apr. 10, 1951.

Pat. 2,548,655. Directive Dielectric Guide Antenna. Apr. 10, 1951.

Pat. 2,548,657. Production Indicating Means. Apr. 10, 1951.

Pat. 2,548,661. Elastic Time Division Multiplex System. Apr. 10, 1951.

Pat. 2,548,669. Profiling Apparatus. Apr. 10, 1951.

Pat. 2,548,671. Directional Radio Reception. Apr. 10, 1951.

Pat. 2,548,672. Multiresonant Wave-Guide Structure. Apr. 10, 1951.

Pat. 2,549,064. Multiswitching Gaseous Discharge Device. Apr. 17, 1951.

Pat. 2,549,065. Frequency Discriminative Electric Transducer. Apr. 17, 1951.

Pat. 2,549,091. Diaphragm for Electroacoustic Transducers. Apr. 17, 1951.

Pat. 2,549,131. Radar Equipment Testing System. Apr. 17, 1951.

Pat. 2,549,143. Microwave Broadcast Antenna. Apr. 17, 1951.

Pat. 2,549,422. Decoder for Multiple Carrier Pulse Code Modulation Signals. Apr. 17, 1951.

Pat. 2,549,464. Electric Power Sources. Apr. 17, 1951.

Pat. 2,549,504. Sealing Glass to Metal. Apr. 17, 1951.

Pat. 2,549,505. Phase or Frequency Modulation System. Apr. 17, 1951.

Pat. 2,549,550. Vibration-Operated Transistor. Apr. 17, 1951.

Pat. 2,549,551. Grid Electrode Structure and Manufacturing Method Therefor. Apr. 17, 1951.

Pat. 2,549,872. Focusing Ultrasonic Radiator. Apr. 24, 1951.

Pat. 2,550,411. Distributor Brush Control Apparatus. Apr. 24, 1951.

Pat. 2,550,427. Magnetic Recording and Transmitting System. Apr. 24, 1951.

Pat. 2,550,518. Control of Impedance of Semiconductor Amplifier Circuits. Apr. 24, 1951.

Pat. 2,550,555. Extruding Materials on Cores Under Vacuum. Apr. 24, 1951.

Pat. 2,550,585. Telephone Identification Circuit. Apr. 24, 1951.

Pat. 2,550,595. Equalizer for Transmission Lines. Apr. 24, 1951.

Pat. 2,550,596. Equalizer for Transmission Lines. Apr. 24, 1951.

Pat. 2,550,600. Indicating Circuit. Apr. 24, 1951.

Pat. 2,550,604. Reel. Apr. 24, 1951.

Pat. 2,550,605. Circuit Closing Device. Apr. 24, 1951.

Pat. 2,550,909. Recording System. May 1, 1951.

Pat. 2,550,916. Mounting a Magnetic Translating Head. May 1, 1951.

Pat. 2,550,932. Cleaning Lead-Sheathed Cables. May 1, 1951.

Pat. 2,550,951. Testing Magnetic Properties of Cores. May 1, 1951.

Pat. 2,551,358. Terminal Wiring Apparatus. May 1, 1951.

Pat. 2,551,363. Dispenser for Pressure-Sensitive Adhesive Tape. May 1, 1951.

Pat. 2,551,376. Method of and Apparatus for Forming and Affixing Electrical Terminals. May 1, 1951.

Pat. 2,551,380. Constant Level Oiling Apparatus for Sleeve Type Bearings. May 1, 1951.

Pat. 2,551,402. Assembling and Sealing Glass and Metal Parts. May 1, 1951.

Pat. 2,552,619. Electron Beam Coder for Pulse Code Modulation. May 15, 1951.

Pat. 2,552,626. Silicon-Germanium Resistor and Method of Making It. May 15, 1951.

Pat. 2,552,629. Error-Detecting and Correcting System. May 15, 1951.

Pat. 2,552,640. Oxide Resistors and Method of Making Them. May 15, 1951.

Pat. 2,552,704. Holder for Books. May 15, 1951.

Pat. 2,553,245. Electronic Tracing System. May 15, 1951.

Pat. 2,553,255. Telephone Substation Apparatus. May 15, 1951.

Pat. 2,553,490. Magnetic Control of Semiconductor Currents. May 15, 1951.

Pat. 2,553,491. Acoustic Transducers Utilizing Semiconductors. May 15, 1951.

Re. 23,369. Diode Oscillator. May 22, 1951. (Original No. 2,190,668, dated Feb. 20, 1940.)

Pat. 2,553,747. Transposing Open-Wire Lines. May 22, 1951.

Pat. 2,553,749. Sealing Fixture for the Manufacture of Electron Discharge Devices. May 22, 1951.

Pat. 2,553,752. Combined Multivibrator and Sweep Circuit. May 22, 1951.

Pat. 2,553,876. Silencer for Printing Telegraph Apparatus. May 22, 1951.

Pat. 2,553,978. Electronic Control Telegraph Repeater for Hub Circuit Operation in Telegraph Service Boards. May 22, 1951.

Pat. 2,554,147. Biased Film Sound Recording System. May 22, 1951.

Pat. 2,554,149. Translator for Calling Line Identification. May 22, 1951.

Pat. 2,554,153. Telephotograph System Including a Pilot Gain Control Channel. May 22, 1951.

Pat. 2,554,155. Ground Trainer for Training Aircraft Crews. May 22, 1951.

Pat. 2,554,164. Bridge Circuits. May 22, 1951.

Pat. 2,554,349. Recorder Failure Indicator. May 29, 1951.

Pat. 2,554,582. Magnetic Recorder. May 29, 1951.

Pat. 2,554,591. Radio Paging System for Vehicles. May 29, 1951.

Pat. 2,554,598. Safety System for Portable Electrical Apparatus. May 29, 1951.

Pat. 2,554,793. Radio Telegraph System With Direction Control. May 29, 1951.

Pat. 2,554,794. Transmitting Apparatus. May 29, 1951.

Pat. 2,554,828. Testing Repeaters in Transmission Systems by Shunting Out Individual Repeaters. May 29, 1951.

Pat. 2,554,834. Coupling for Telephone Receivers and Hearing Aid Sets. May 29, 1951.

Pat. 2,554,835. Recording System. May 29, 1951.

Pat. 2,554,837. Time Delay Control Apparatus. May 29, 1951.

Pat. 2,554,847. Telegraph Mark-Hold Circuit. May 29, 1951.

Pat. 2,554,903. Vertical Tabulation Mechanism for Telegraph Printers. May 29, 1951.

Pat. 2,554,981. Stepping Device. May 29, 1951.

Pat. 2,555,001. Bonded Article and Method of Bonding. May 29, 1951.

Pat. 2,555,622. Printing Telegraph Apparatus. June 5, 1951.

Pat. 2,555,959. Non-Linear Reactance Circuits Utilizing High Dielectric Constant Ceramics. June 5, 1951.

Pat. 2,556,001. Microwave Impedance Matching Reactor. June 5, 1951.

Pat. 2,556,010. Indexing Mechanism for Translating a Reciprocatory Motion Into a Step-By-Step Rotary Motion. June 5, 1951.

Pat. 2,556,172. Signaling or Dialing System. June 12, 1951.

Pat. 2,556,276. Simultaneously Advancing and Working Organic Plastic Material. June 12, 1951.

Pat. 2,556,286. Oscillation Generator. June 12, 1951.

Pat. 2,556,296. High-Frequency Transistor Oscillator. June 12, 1951.

Pat. 2,556,377. Detecting System for Frequency Modulated Waves. June 12, 1951.

Pat. 2,556,669. Microwave Transmission System. June 12, 1951.

Pat. 2,556,673. Composite Scanning Systems for Object Location. June 12, 1951.

Pat. 2,556,677. Secret Communication System. June 12, 1951.

Pat. 2,556,692. Variable Gain Amplifying System. June 12, 1951.

Pat. 2,556,699. Amplifier. June 12, 1951.

Pat. 2,556,704. Counting Circuit. June 12, 1951.

Pat. 2,556,705. Electrolysis Switch. June 12, 1951.

Pat. 2,556,711. Producing Rectifiers and Rectifier Material. June 12, 1951.

Pat. 2,556,716. Relay. June 12, 1951.

Pat. 2,556,958. Translator Circuit. June 12, 1951.

Pat. 2,556,962. Annealing Magnetic Iron. June 12, 1951.

Pat. 2,556,964. Ground Trainer for Aircraft Personnel. June 12, 1951.

Pat. 2,556,978. Linear Accelerator for Charged Particles. June 12, 1951.

Pat. 2,556,991. Light-Sensitive Electric Device. June 12, 1951.

Pat. 2,557,392. Combined Telephone and Telegraph System. June 19, 1951.

Pat. 2,557,738. Measuring Extrusion Pressures. June 19, 1951.

Pat. 2,558,187. Selective Signaling Generator in Which Coded Information Is Recorded on a Magnetizable Medium. June 26, 1951.

Pat. 2,558,188. Contact Actuating Mechanism. June 26, 1951.

Pat. 2,558,189. Delay Indicating Apparatus. June 26, 1951.

Pat. 2,558,197. Electronic Hub-Type Telegraph Repeater. June 26, 1951.

Pat. 2,558,476. District Assembler Circuit. June 26, 1951.

Pat. 2,558,477. Message Ticketer. June 26, 1951.

Pat. 2,558,537. Make-Busy Arrangement Having Gas-Filled Tube Responsive Only to High Voltages. June 26, 1951.

Pat. 2,558,540. Electromagnetic Motor. June 26, 1951.

Pat. 2,558,571. Operator Controlled Coin Collecting and Refunding Means for Dial Telephone System. June 26, 1951.

Pat. 2,558,577. Electromechanical Translator. June 26, 1951.

Pat. 2,559,301. Door Control System. July 3, 1951.

Pat. 2,559,312. Crossbar Tandem Office for Telephone Systems. July 3, 1951.

Pat. 2,559,319. Vertically Movable Turntable Transfer. July 3, 1951.

Re. 23,388. Line Identification Circuit for Telephone System. July 10, 1951. (Original No. 2,284,870, dated June 2, 1942.)

Pat. 2,559,847. Grommet Inserting Mechanism. July 10, 1951.

Pat. 2,559,856. Retractile Roller Assemblage. July 10, 1951.

Pat. 2,559,866. Cutter. July 10, 1951.

Pat. 2,559,878. Zinc and Cadmium Passivating Bath. July 10, 1951.

Pat. 2,559,904. Crimping Condenser Cans Having Leads. July 10, 1951.

Pat. 2,560,266. Communicating System. July 10, 1951.

Pat. 2,560,273. Eliminating Contamination in Vacuum Tubes. July 10, 1951.

Pat. 2,560,346. Glow Discharge Voltage Control Device. July 10, 1951.

Pat. 2,560,347. Electrode Structure for Glow Discharge Tubes. July 10, 1951.

Pat. 2,560,348. Glow Discharge Device. July 10, 1951.

Pat. 2,560,353. Cavity Resonator. July 10, 1951.

Pat. 2,560,474. Keyboard Operated Magnetic Recorder. July 10, 1951.

Pat. 2,560,579. Semiconductor Amplifier. July 17, 1951.

Pat. 2,560,585. Cathode-Ray Signal to Voltage Translating Device. July 17, 1951.

Pat. 2,560,594. Semiconductor Translator and Method of Making It. July 17, 1951.

Pat. 2,560,606. Photoresistive Translating Device. July 17, 1951.

Pat. 2,560,709. Clipping Amplifier. July 17, 1951.

Pat. 2,560,792. Electrolytic Surface Treatment of Germanium. July 17, 1951.

Pat. 2,560,800. Electrical Circuit Breaker. July 17, 1951.

Pat. 2,560,806. Echo Suppression in Transmission Lines. July 17, 1951.

Pat. 2,560,815. Television Receiver Blanking Circuit. July 17, 1951.

Pat. 2,560,818. Visible Indicator for Radio Object Locators. July 17, 1951.

Pat. 2,561,196. Soldering Fixture. July 17, 1951.

Pat. 2,561,212. Microwave Hybrid Branching Systems. July 17, 1951.

Pat. 2,561,218. Wire Stripping Tool. July 17, 1951.

Pat. 2,561,411. Semiconductor Signal Translating Device. July 24, 1951.

Pat. 2,561,462. Electromagnetic Core and Manufacture Thereof. July 24, 1951.

Pat. 2,561,476. Magnetic Recorder. July 24, 1951.

Pat. 2,561,478. Analyzing System for Determining the Fundamental Frequency of a Complex Wave. July 24, 1951.

Pat. 2,561,722. Signaling System. July 24, 1951.

Pat. 2,561,725. Coiling Filamentary Articles. July 24, 1951.

Pat. 2,561,730. Electrical Impulse Counting System. July 24, 1951.

Pat. 2,561,732. Low Elastic Coefficient Bodies, Devices Embodying Them and Methods of Producing Them. July 24, 1951.

Pat. 2,561,736. Coiling Filaments. July 24, 1951.

Pat. 2,561,741. Tiltable Table. July 24, 1951.

Pat. 2,561,745. Locking Tubular Members on Shafts. July 24, 1951.

Pat. 2,561,747. Volume Limiting Amplifier. July 24, 1951.

Pat. 2,562,091. Relay. July 24, 1951.

Pat. 2,562,100. Coordinate Selecting and Lock-Out Circuit. July 24, 1951.

Pat. 2,562,109. Signal Wave Analyzer for Deriving Pitch Information. July 24, 1951.

Pat. 2,562,120. Magnetic Field Strength Meter. July 24, 1951.

Pat. 2,562,277. Metallic Lens Directive Antenna System. July 31, 1951.

Pat. 2,562,281. Directive Pick-Up for Transmission Lines. July 31, 1951.

Pat. 2,562,377. Optical Slit Scanning Unit for Film Reproducing Systems. July 31, 1951.

Pat. 2,562,379. Film Driving Apparatus. July 31, 1951.

Pat. 2,562,382. Electromagnetic Switch. July 31, 1951.

Pat. 2,562,702. Article Forming Apparatus. July 31, 1951.

Pat. 2,562,717. Dialed Number Recovery Circuit. July 31, 1951.

Pat. 2,562,729. Driving Mechanism. July 31, 1951.

Pat. 2,562,733. Distributor Mechanism. July 31, 1951.

Re. 23,397. Magnetic Field Strength Indicator. Aug. 7, 1951. (Original No. 2,468,968, dated May 3, 1949.)

Pat. 2,563,468. Assembling Apparatus. Aug. 7, 1951.

Pat. 2,563,476. Crystal Dividing Machine. Aug. 7, 1951.

Pat. 2,563,486. Voltage Regulator. Aug. 7, 1951.

Pat. 2,563,503. Transistor. Aug. 7, 1951.

Pat. 2,563,504. Semiconductor Translating Device. Aug. 7, 1951.

Pat. 2,563,581. Finger-Wheel Operated Call Transmitter Having Larger Number Plate Than Finger Wheel. Aug. 7, 1951.

Pat. 2,563,591. Microwave Converter. Aug. 7, 1951.

Pat. 2,563,612. Controlling Transmission in Microwave Systems. Aug. 7, 1951.

Pat. 2,563,613. Translating Means for Ultra-Short Wavelength Energy. Aug. 7, 1951.

Pat. 2,563,824. High-Speed Stepping Distributor and Counting Circuit. Aug. 14, 1951.

Pat. 2,563,990. Wave Guide Switching Arrangement. Aug. 14, 1951.

Pat. 2,564,007. Coupling for Wave Guides. Aug. 14, 1951.

Pat. 2,564,010. Unattended Repeater Testing by Causing the Repeaters To Oscillate. Aug. 14, 1951.

Pat. 2,564,017. Clamp Circuit. Aug. 14, 1951.

Pat. 2,564,040. Glow Discharge Voltage Control Device. Aug. 14, 1951.

Pat. 2,564,125. Selecting System. Aug. 14, 1951.

Pat. 2,564,419. Time Division Multiplex System for Signals of Different Band Width. Aug. 14, 1951.

Pat. 2,564,425. Unitary Amplifier for Hearing Aids. Aug. 14, 1951.

Pat. 2,564,429. Ground Trainer for Aircraft Personnel. Aug. 14, 1951.

Pat. 2,564,432. Impulse Counting Relay. Aug. 14, 1951.

Pat. 2,564,434. Setting Feeding Mechanisms for Material Working Machines. Aug. 14, 1951.

Pat. 2,564,437. Automatic Volume Control. Aug. 14, 1951.

Pat. 2,564,439. Standard Frequency System. Aug. 14, 1951.

Pat. 2,564,441. Telephone System Requiring Different Types of Pulses. Aug. 14, 1951.

Pat. 2,564,782. Staking Apparatus With Movable Work Holder. Aug. 21, 1951.

Pat. 2,564,784. Condenser. Aug. 21, 1951.

Pat. 2,564,786. Drilling Jig for Angle Irons. Aug. 21, 1951.

Pat. 2,564,789. Gauging Apparatus. Aug. 21, 1951.

Pat. 2,565,266. High Speed Photoelectric Transmitter. Aug. 21, 1951.

Pat. 2,565,267. Telegraph Converter System and Apparatus. Aug. 21, 1951.

Pat. 2,565,465. Manufacturing Retractile Cords. Aug. 21, 1951.

Pat. 2,565,542. Peak Reading Vacuum Tube Voltmeter. Aug. 28, 1951.

Pat. 2,566,031. Latch Operated Clutch. Aug. 28, 1951.

Pat. 2,566,039. Electrical Cable Connection Box. Aug. 28, 1951.

Pat. 2,566,405. Frequency Modulation. Sept. 4, 1951.

Pat. 2,566,426. Relay Selecting and Indicating Circuit. Sept. 4, 1951.

Pat. 2,566,584. Reflex Oscillator. Sept. 4, 1951.

Pat. 2,566,825. Tuning Control for Thermally Tuned Devices or Oscillators. Sept. 4, 1951.

Pat. 2,566,840. Switch for Telephone Substation Sets. Sept. 4, 1951.

Pat. 2,566,846. Insulating Conductors. Sept. 4, 1951.

Pat. 2,566,848. Wire Winding and Tensioning Device. Sept. 4, 1951.

Pat. 2,566,849. Electroacoustic Transducer. Sept. 4, 1951.

Pat. 2,566,850. Electroacoustic Transducer. Sept. 4, 1951.

Pat. 2,567,359. Electron Discharge Apparatus. Sept. 11, 1951.

Pat. 2,567,365. Polarized Operator for Telephone Receivers. Sept. 11, 1951.

Pat. 2,567,368. Telephone Transmitter. Sept. 11, 1951.

Pat. 2,567,380. Parallel T Electrical Wave Transmission Network. Sept. 11, 1951.

Pat. 2,567,394. Inductance Coil. Sept. 11, 1951.

Pat. 2,567,406. Electron Discharge Device for High Frequency Oscillations. Sept. 11, 1951.

Pat. 2,567,415. Grid Assembly and Method of Fabrication. Sept. 11, 1951.

Pat. 2,567,692. Controlling Electrical Power. Sept. 11, 1951.

Pat. 2,567,693. High-Pressure Nozzle. Sept. 11, 1951.

Pat. 2,567,694. Braiding Machine. Sept. 11, 1951.

Pat. 2,567,700. Making Electrical Measurements. Sept. 11, 1951.

Pat. 2,567,707. Furnace Discharging Apparatus. Sept. 11, 1951.

Pat. 2,567,715. Hydraulic Press Control. Sept. 11, 1951.

Pat. 2,567,723. Applying Annular Coatings to Light Bulbs. Sept. 11, 1951.

Pat. 2,567,741. Article Testing and Sorting Apparatus. Sept. 11, 1951.

Pat. 2,567,797. Current Supply Apparatus. Sept. 11, 1951.

Pat. 2,567,812. Code Transmitter. Sept. 11, 1951.

Pat. 2,567,824. Automatic Gain Control. Sept. 11, 1951.

Pat. 2,567,827. Time Delay Relay. Sept. 11, 1951.

Pat. 2,567,970. Semiconductor Comprising Silicon and Method of Making It. Sept. 18, 1951.

Pat. 2,568,019. Telegraph Signal Biasing Set. Sept. 18, 1951.

Pat. 2,568,138. Combined Line and Tripping Relay Circuit for Telephone Lines. Sept. 18, 1951.

Pat. 2,568,150. Balancing Network for Subscribers' Telephone Sets. Sept. 18, 1951.

Pat. 2,568,152. Die for Use With Punch. Sept. 18, 1951.

Pat. 2,568,161. Device for Testing Cables. Sept. 18, 1951.

Pat. 2,568,164. Key Pulsing B Operator Position Circuit. Sept. 18, 1951.

Pat. 2,568,172. Current Supply Apparatus. Sept. 18, 1951.

Pat. 2,568,177. Signaling System. Sept. 18, 1951.

Pat. 2,568,249. Latch Operated Clutch. Sept. 18, 1951.

Pat. 2,568,264. Telegraphic Selecting Apparatus. Sept. 18, 1951.

Pat. 2,568,775. Feeding and Cutting Coiled Material. Sept. 25, 1951.

Pat. 2,568,776. Forming and Assembling Parts. Sept. 25, 1951.

Pat. 2,568,804. Automatic Telephone System—Auxiliary Line Finder Arrangement. Sept. 25, 1951.

Pat. 2,568,806. Knitting Machine. Sept. 25, 1951.

Pat. 2,568,817. Gauging Apparatus. Sept. 25, 1951.

Pat. 2,568,823. Loud Speaking Telephone Set. Sept. 25, 1951.

Pat. 2,569,347. Circuit Element Utilizing Semiconductive Material. Sept. 25, 1951.

Pat. 2,569,364. Tape Feeding and Storage Device. Sept. 25, 1951.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 13, 1952

[VOL. 658. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 501,552. **Ajax Floor Products Corporation**, New York, N. Y. Filed May 7, 1946.



The drawing is lined to represent red.

For Asphaltic Mastic Compound for Floor Resurfacing and as Underlayment for Setting Linoleum, or Other Floor Covering Material.

Claims use since Sept. 30, 1944.

CLASS 39

CLOTHING

Ser. No. 513,641. **Sea Modes, Inc.**, Brooklyn, N. Y. Filed Dec. 3, 1946.



The words "Styled by" are disclaimed. The representation of the girl is fanciful.

For Swim Suits for Misses and Women.

Claims use since Oct. 21, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 591,023. **Economy Nursery Company**, Little Silver, N. J. Filed Jan. 18, 1950. (Sec. 2f.)

SUR-GRO

Applicant claims ownership of Registration No. 298,752.

For Trees, Plants, and Seeds—Namely, Garden, Lawn, and Field.

Claims use since Sept. 23, 1931.

Ser. No. 615,710. **Carl M. Johnson**, Dekalb, Ill. Filed June 26, 1951.

CARONA

For Live Cattle.

Claims use since Oct. 23, 1944.

Ser. No. 618,890. **Knauf & Tesch Company**, Chilton, Wis. Filed Sept. 17, 1951.

K-T

For Field and Garden Seeds.

Claims use since 1920.

Ser. No. 619,129. **Attapulgus Clay Company**, Philadelphia, Pa. Filed Sept. 22, 1951.



For Fuller's Earth for General Use in the Industrial Arts.

Claims use since July 5, 1932.

Ser. No. 619,272. L. Teweles Seed Co., Milwaukee, Wis. Filed Sept. 26, 1951.

SHERWOOD PARK

For Lawn Seed.
Claims use since Mar. 2, 1951.

CLASS 2

RECEPTACLES

Ser. No. 559,283. Crawford-Austin Manufacturing Co., Waco, Tex. Filed June 16, 1948. (Sec. 2f.)

SERVICE

Applicant claims ownership of Registration No. 191,384.
For Cotton Picker Sacks.
Claims use since Feb. 15, 1923.

Ser. No. 565,634. Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Filed Sept. 22, 1948. (Sec. 2f as to "Koppers.")

KOPPERS

For Stationary Metal Gas Holding Structures.
Claims use since June 12, 1948, as shown; and since Nov. 15, 1921, as to the word "Koppers."

Ser. No. 578,370. Columbian Steel Tank Company, Kansas City, Mo. Filed May 7, 1949. (Sec. 2f.)

COLUMBIAN

Applicant claims ownership of Registrations Nos. 203,217, 369,121, and others.
For Sheet Metal Tanks; Sheet Metal Bins; Steel Barrels; Sheet Metal Silos; Carrying Cans; Garbage Cans; Trash Cans; Feed Troughs; Mortar Mixing Boxes; Waste Baskets; Bottle Cases Made of Metal; Coal Bins; Tool Boxes; Scalding Vats; Waste Cans; Delivery Baskets, and Silo Spouts.
Claims use since June 1, 1941.

Ser. No. 579,440. Litchfield Manufacturing Company, Inc., Litchfield, Ill. Filed May 24, 1949.

Limco

For Automobile Service Station Accessories—Namely, Battery Fillers; Oil Bottles With Spouts, Baskets, and Stand Sold as a Unit; Oil Cans; Radiator Filling Cans; Gasoline Cans; Lift Drain Cans; Garage Pails; and Oil Rag Cans.
Claims use since Jan. 1, 1949.

Ser. No. 586,619. Robert Beach, doing business as Independent Printing Company, Fenton, Mich. Filed Oct. 21, 1949.

The FIDO



For Paper Bags Having Moisture Proof Linings Therein.
Claims use since Sept. 15, 1949.

Ser. No. 592,947. Standard Cap and Seal Corporation, Chicago, Ill., and elsewhere. Filed Feb. 23, 1950.

STANPAC

For Merchandise Bags Made of Transparent Materials Which Are Color Printed.
Claims use since Feb. 10, 1950.

Ser. No. 594,011. Automatic Canteen Company of America, Chicago, Ill. Filed Mar. 16, 1950.

CANTEEN

For Paper Cups.
Claims use since 1942.

Ser. No. 609,089. Kigu Limited, London, England. Filed Jan. 22, 1951.

"Flying Saucer"

Applicant claims ownership of British Registration No. 691,604, dated Aug. 18, 1950.
For Empty Cosmetic Powder Cases for Personal Use—Namely, Compacts.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 573,032. The Exolon Company, Tonawanda, N. Y. Filed Jan. 29, 1949.

CARBOLITH

For Silicon Carbide Abrasive Grain.
Claims use since Apr. 14, 1948.

Ser. No. 602,251. Enterprise Paint Manufacturing Company, Chicago, Ill. Filed Aug. 16, 1950.

MAGICOLOR

For Self-Polishing Waxes.
Claims use since Feb. 1, 1937.

Ser. No. 602,265. David E. Kennedy, Inc., Brooklyn, N. Y. Filed Aug. 16, 1950.

KENGRIP WAX

Applicant claims ownership of Registration No. 426,402.
For Wax for Preserving, Protecting, and Polishing Asphalt Tile, Cork Tile, Rubber Tile, Cork Composition Tile, Linoleum, and Hardwood Floors.
Claims use since Aug. 4, 1950.

Ser. No. 613,388. Carl F. Volge, doing business under the firm name and style of Volge Abrasive Company, Cincinnati, Ohio. Filed May 1, 1951.



The word "Blast" is disclaimed.
For Stone Blasting Abrasives.
Claims use since March 1951.

Ser. No. 618,375. Swift & Company, Chicago, Ill. Filed Sept. 4, 1951. (Sec. 2f.)

Swift's

For Cleanser Used as a Polishing Material.
Claims use since June 1945.

Ser. No. 622,194. Behr-Manning Corporation, Troy, N. Y. Filed Dec. 7, 1951.



For Flexible and Inflexible Abrasives.
Claims use since Sept. 14, 1950.

CLASS 5

ADHESIVES

Ser. No. 571,655. Monsanto Chemical Company, St. Louis, Mo. Filed Jan. 5, 1949.



The words "Water-Resistant," "Glue," "Patented," and "For Plywood" are disclaimed. Applicant claims ownership of Registrations Nos. 214,743, 248,483, and others.
For Water Resistant Glue for Plywood.
Claims use since Jan. 4, 1947.

Ser. No. 599,320. The F. G. Findley Co., Milwaukee, Wis. Filed June 17, 1950.

LABEL-WELD

The word "Label" is disclaimed.
For Liquid Casein Composition for Use as an Adhesive Particularly in Applying Labels to Containers.
Claims use since Apr. 4, 1950.

Ser. No. 604,398. Stanley Home Products, Inc., Westfield, Mass. Filed Oct. 3, 1950.



The wording "A Stanley Home Product" is disclaimed.
For Glue.
Claims use since Mar. 22, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 594,378. David H. Goldman, University Heights, Ohio. Filed Mar. 22, 1950.

HumaBred

For Combined Humidifier and Dehumidifier Chemical Composition in Block Form for Use in Containers for Bread, Tobacco, and Like Products.
Claims use since Feb. 3, 1950.

Ser. No. 597,927. Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Filed May 22, 1950.

I-F-N

For Mixture for Use on Crops as a Spray or Dust, Having Insecticidal and Fungicidal Properties.
Claims use since 1938.

Ser. No. 601,487. American Bottlers of Carbonated Beverages, Washington, D. C. Filed July 31, 1950. (Sec. 2f.)

AMERICAN BOTTLERS OF CARBONATED BEVERAGES

For Chemical Control Compositions in Tablet and Liquid Form Such as for Determining the Alkaline and Caustic Strength of Bottle Washing Solutions.
Claims use since Nov. 15, 1926.

Ser. No. 601,785. The B. F. Goodrich Company, doing business as B. F. Goodrich Chemical Company, a division of The B. F. Goodrich Company, New York, N. Y., and Akron and Cleveland, Ohio. Filed Aug. 5, 1950.

No-Nib'l

For Agricultural Chemicals To Be Used as Repellents for Animals, Such as Rabbits, and Insects.
Claims use since April 1950.

Ser. No. 606,431. Naamlooze Vennootschap Kunstzijdespinnerij Nyma, Nimeguen, Netherlands. Filed Nov. 15, 1950.

NYMCEL

For Carboxymethylcellulose, Hydroxyaethylcellulose, Methylcellulose, Oxycellulose, Allylcellulose, Aethylcellulose, Benzylcellulose, and Cellulose Derivatives Containing Two or More of the Above Mentioned Compounds.
Claims use since March 1948; and since Apr. 30, 1948 in commerce between the Netherlands and the United States and among the several States of the United States.

Ser. No. 607,934. Ciba Limited, Basel, Switzerland. Filed Dec. 21, 1950.

DERMOTEX

Applicant claims ownership of Swiss Registration No. 132,537, dated Feb. 24, 1950.
For Preparation for Treating Textile and Leather Materials To Prevent Mildew and Other Fungus Growths Thereon.

Ser. No. 608,335. Aktiebolaget Bofors, Bofors, Sweden. Filed Jan. 4, 1951.

Bonotex

Applicant claims ownership of Swedish Registration No. 63,350, dated Sept. 5, 1947.
For Acrylic and Sulphonamide Resins Including Solutions and Emulsions Thereof.

Ser. No. 608,591. Clinton Foods Inc., Clinton, Iowa. Filed Jan. 10, 1951.

CLINTAN

Applicant claims ownership of Registration No. 513,435.
For Corn Syrup for Use in Leather Tanning.
Claims use since Mar. 3, 1950.

Ser. No. 609,698. Proxite Products, Inc., Brooklyn, N. Y. Filed Feb. 6, 1951.

PROX

For Ammonia, Disinfectants, Laundry Bleaches, Household Germicide, Laundry Starch, Laundry Bluing.
Claims use since Feb. 1, 1938.

Ser. No. 609,699. Proxite Products, Inc., Brooklyn, N. Y. Filed Feb. 6, 1951.

PROX Pronto Blue

The word "Blue" is disclaimed.
For Laundry Bluing.
Claims use since Feb. 1, 1938.

Ser. No. 609,807. Marbon Corporation, Gary, Ind. Filed Feb. 8, 1951.

MARMIX

Applicant claims ownership of Registrations Nos. 339,215, 344,059, and 348,697.
For Dispersions of Synthetic Resins.
Claims use since Apr. 24, 1945.

Ser. No. 610,119. Central O-B Products Co. Inc., Buffalo, N. Y. Filed Feb. 15, 1951.

Chek Bac

The word "Chek" is disclaimed.
For Germicidal Disinfecting Agent.
Claims use since Apr. 10, 1947.

Ser. No. 610,472. Jerome Swimmer, doing business as National Biochemical Company, Chicago, Ill. Filed Feb. 23, 1951.

MICRONE

For Reagents and Solutions of Reagents, for Example, Anthrone and Solutions Thereof, Employed in the Micro-Colorimetric Determination of Carbohydrates, Such as Mono, Di, Tri, and Polysaccharides, Particularly Sugars, Saccharide Gums, Starches, and Cellulose, Including Compounds Containing Carbohydrate Portions Such as Glucosides and Carbohydrate Esters; and for Carbohydrates and Solutions of Carbohydrates, for Example, Glucose, Mannose, and Other Monosaccharides and Solutions Thereof, for Use as Known Standards in Said Micro-Colorimetric Determination of Carbohydrates.
Claims use since Oct. 16, 1950.

Ser. No. 611,476. E. F. Drew & Co., Inc., New York, N. Y. Filed Mar. 17, 1951.

DRUSPIN

For Wool Oils.
Claims use since Jan. 19, 1951.

Ser. No. 613,467. Lech-Chemie Gersthofen, Gersthofen, near Augsburg, Germany. Filed May 3, 1951.

UUU GERSTHOFEN

Priority is claimed under Sec. 44(d). German application filed Dec. 5, 1950, Registration No. 608,354, dated June 23, 1951. The word "Gersthofen" is disclaimed.
For Weed Killers, Rodenticides, Disinfectants, Dyestuffs, Pigments, Mordants, and Wood Preservatives.

Ser. No. 614,498. Judson Dunaway Corporation, Dover, N. H. Filed May 29, 1951.

Bath-Aire

For Liquid Room Deodorant Adapted To Be Released as a Mist or Spray.
Claims use since Apr. 24, 1951.

Ser. No. 616,611. Strohmeyer & Arpe Company, New York, N. Y. Filed July 17, 1951.

SANDA

For Carnauba, Japan, Candelilla, Ouricury, Montan, and Synthetic Waxes.
Claims use since Feb. 20, 1951.

Ser. No. 617,985. Eagle Chemical Company, Inc., Joliet, Ill. Filed Aug. 23, 1951.

JAYCEE

For Silica Gel.
Claims use since July 13, 1950.

Ser. No. 618,037. Hellwig, Inc., Chicago, Ill. Filed Aug. 24, 1951.

UNILITER

For Sodium Para-Amino Salicylate Dihydrate.
Claims use since Mar. 31, 1950.

Ser. No. 618,230. De-Bug-Er, Inc., Madison, Wis. Filed Aug. 30, 1951.

DE-FLY-ER

The word "Fly" is disclaimed.
For Chemical Refill for Automatic Vaporizers for Killing Flies, Mosquitoes, and Gnats.
Claims use since Sept. 15, 1950.

Ser. No. 618,715. Romac Industries, Audubon, N. J. Filed Sept. 12, 1951.

AIRBORNE

Applicant claims ownership of Registration No. 554,487.
For Filled, Valve Controlled Containers for Producing Household and Industrial Insecticide, Germicide, Fungicide, and Space Deodorizing Aerosols.
Claims use since Jan. 4, 1951.

Ser. No. 618,772. Switzer Brothers, Inc., Cleveland, Ohio. Filed Sept. 14, 1951.

DAY-GLO

The word "Glo" is disclaimed. Applicant claims ownership of Registration No. 513,427.
For Pigments, Bronzing Powder, and Textile Paste Concentrates for Use With Extenders for Dyeing Textiles.
Claims use since Jan. 18, 1949.

Ser. No. 620,111. Sandoz Chemical Works, Inc., New York, N. Y. Filed Oct. 17, 1951.

EKALINE

For Liquid Non-Ionic Dyeing Assistant Used for Increasing the Levelness of Dyed Fabrics and Dyed Yarns.
Claims use since Oct. 1, 1950.

Ser. No. 620,192. Bryton Chemical Co., Elizabeth, N. J. Filed Oct. 19, 1951.

BOSS

For Sulfonates.
Claims use since June 13, 1949.

Ser. No. 620,193. Bryton Chemical Co., Elizabeth, N. J. Filed Oct. 19, 1951.

BRYCO

For Sulfonates.
Claims use since Aug. 22, 1949.

Ser. No. 620,279. Margaret Schlichting, doing business under the name of Industrial Testing Laboratories, New York, N. Y. Filed Oct. 20, 1951.

white barks

For Leather Dressing.
Claims use since Sept. 7, 1951.

Ser. No. 620,670. The B. F. Goodrich Company, doing business as B. F. Goodrich Chemical Company, a Division of The B. F. Goodrich Company, New York, N. Y., and Akron and Cleveland, Ohio. Filed Oct. 30, 1951.

OKTONE

For Agricultural Chemicals To Be Used as Herbicides and Weed Killers.
Claims use since August 1951.

Ser. No. 621,123. Arizona Minerals Corporation, Yuma, Ariz. Filed Nov. 13, 1951.

ARIDZONE

Applicant claims ownership of Registration No. 278,708.
For Water-Softening Material, Being Either Artificial or Natural Zeolites.
Claims use since Dec. 27, 1929.

Ser. No. 621,591. Undertakers Supply Co., Chicago, Ill. Filed Nov. 23, 1951.

EQUALATROL

For Embalming Fluid.
Claims use since Oct. 30, 1951.

Ser. No. 621,592. Undertakers Supply Co., Chicago, Ill. Filed Nov. 23, 1951.

SEQUESTROL

For Embalming Fluid.
Claims use since Sept. 28, 1951.

Ser. No. 621,893. Mid-State Chemical Supply Co., Lindsay, Calif. Filed Nov. 30, 1951.

MIDCO

For Herbicides, Dry Emulsifiers, Insecticides, and Wetting Agents.
Claims use since June 1948.

CLASS 10

FERTILIZERS

Ser. No. 619,525. Timber Engineering Company, Washington, D. C. Filed Oct. 2, 1951.

FERSOLIN

For Fertilizers and Soil Improvement Materials Having Properties and Functioning in a Manner Similar to Humus.
Claims use since Aug. 1, 1951.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 589,348. Vital Products Manufacturing Company, Cleveland, Ohio. Filed Dec. 14, 1949.

Autocalk

For Calking Compound.
Claims use since Sept. 13, 1949.

Ser. No. 601,031. Elliott Bay Mill Company, Seattle, Wash. Filed July 21, 1950.

TROPICWALL

For Wooden Wall Paneling.
Claims use since Sept. 1, 1949.

Ser. No. 608,724. Universal Concrete Pipe Company, Columbus, Ohio. Filed Jan. 12, 1951.

Universal "Package"

The word "Package" is disclaimed. Applicant claims ownership of Registration No. 414,994.
For Precast, Molded and Reinforced Concrete Building Blocks; and Deck, Floor, Curb and Cribbing Slabs Used in the Construction of Bridges, Grandstands, Bleachers, and Stadiums.
Claims use since January 1950 on the mark as shown; and since March 1921 as to "Universal."

Ser. No. 611,168. Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Filed Mar. 12, 1951.



Applicant claims ownership of Registrations Nos. 78,926, 257,000, and others.
For Hydrated Lime.
Claims use since Mar. 1, 1951.

Ser. No. 618,780. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Filed Sept. 14, 1951.

JC-GC

For Sewer Joint Compound Comprising a Resin Used in the Joining of Sewer Pipe.
Claims use since July 23, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

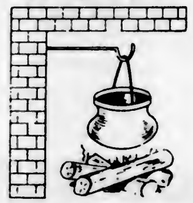
Ser. No. 583,230. Airmatic Valve, Inc., Cleveland, Ohio. Filed Aug. 10, 1949.

AIRMATIC

For Valves—Namely, Air Control Valves for the Control of Single and Double Acting Air Cylinders as Used on Air Actuated Equipment and Machinery.
Claims use since Apr. 20, 1948.

Ser. No. 615,858. Sellright Giftwares Corp., New York, N. Y. Filed June 28, 1951.

COUNTRY KITCHEN



The word "Kitchen" and the representation of the goods are disclaimed.
For Copper Cooking Ware—Namely, Frying Pans, Sauce Pans, and Cooking Pots.
Claims use since 1944.

CLASS 15

OILS AND GREASES

Ser. No. 513,950. Gaetano Provenzano, New York, N. Y. Original filed, act of 1905, Dec. 9, 1946; amended to application under act of 1946, Principal Register, Aug. 31, 1949.

"PROVENZA"

For Gasoline.
Claims use since Jan. 5, 1946.

Ser. No. 597,650. American Sand-Banum Company, Inc., New York, N. Y. Filed May 18, 1950.

SABANOL

For Fuel Oil Additive for the Purpose of Removing Foreign Matter Therefrom.
Claims use since Jan. 1, 1950.

Ser. No. 605,935. Universal Oil Products Company, Chicago, Ill. Filed Nov. 4, 1950.

PLATFORMATE

For Gasoline.
Claims use since Aug. 29, 1947.

Ser. No. 616,212. Shell Oil Company, New York, N. Y. Filed July 7, 1951. (Sec. 2f.)

X-100

Applicant claims ownership of Registration No. 530,678.
For Motor Oil.
Claims use since May 30, 1941.

Ser. No. 617,848. Will & Baumer Candle Co., Inc., Syracuse, N. Y. Filed Aug. 18, 1951. (Sec. 2f.)

Taperlite

Applicant claims ownership of Registration No. 407,375.
For Wax Candles.
Claims use since January 1931.

Ser. No. 618,057. Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Filed Aug. 24, 1951.

MILVAC

For Lubricating Oils.
Claims use since July 18, 1951.

Ser. No. 618,871. The Texas Company, Dover, Del., and New York, N. Y. Filed Sept. 15, 1951.

MULTIFAK

Applicant claims ownership of Registrations Nos. 84,285 and 316,210.
For Lubricating Greases.
Claims use since Apr. 21, 1951.

Ser. No. 619,352. Petroleum Specialties, Inc., New York, N. Y. Filed Sept. 28, 1951.

ADDOLUBE

For Lubricating Oil Additives.
Claims use since Sept. 21, 1950.

Ser. No. 619,353. Petroleum Specialties, Inc., New York, N. Y. Filed Sept. 28, 1951.

FILTRALUBE

For Motor Oils.
Claims use since Mar. 14, 1946.

Ser. No. 619,354. Petroleum Specialties, Inc., New York, N. Y. Filed Sept. 28, 1951.

FILTRAWHITE

For Highly Refined Technical White Mineral Oils.
Claims use since Mar. 6, 1940.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 535,900. The Thresher Paint & Varnish Company, Dayton, Ohio. Filed Sept. 26, 1947. (Sec. 2f.)

THRESHER

PER-FEX-ION

Applicant claims ownership of Registration No. 162,458.
For Liquid Paints, Liquid Paint Enamels, Liquid Undercoats in Paint Form, and Liquid Varnish Stains.
Claims use since July 1, 1921.

Ser. No. 550,665. Carpenter-Morton Company, Boston, Mass. Filed Feb. 27, 1948. (Sec. 2f.—Additional evidence.)

COLORITE

Applicant claims ownership of Registrations Nos. 107,414, 144,155, and others.
For Liquid Paints, Varnishes, Varnish Stains for Coloring and Finishing Straw Hats and Other Straw Goods of All Kinds, Leather, Ratan, Wood, and Other Fibrous Materials Including Textiles and Metals, Glass, and Other Materials.
Claims use since July 26, 1898.

Ser. No. 577,393. Maintenance Inc., Wooster, Ohio. Filed Apr. 19, 1949.

RADON

For Surface Coating Material Comprising an Emulsion Having a Hydrocarbon Base Dispersed in Water.
Claims use since June 10, 1946.

Ser. No. 580,178. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Filed June 9, 1949.

NEOBON

For Acid and Alkaliproof Rubber Base Coating Preparation Used To Coat Floor or Tank Surfaces.
Claims use since Sept. 23, 1942.

Ser. No. 583,171. Reliance Varnish Company, Inc., Louisville, Ky. Filed Aug. 8, 1949.

Trapunto

For Wood Finishing Materials Consisting of Ready-Mixed Liquid Base Coats, of Fillers in the Nature of a Paint in Paste Form, and of Ready-Mixed Liquid Stains, Lacquers, Varnishes, and Paint Enamels.
Claims use since July 11, 1949.

Ser. No. 599,053. Associated Paint Distributors, Inc., Philadelphia, Pa. Filed June 1, 1950.

AD Associated Distributors

The circle is lined for the color red. The words "Associated Distributors" are disclaimed.
For General Line of Paints and Paint Products—Namely, Ready Mixed Paints, Paste Paints, Enamels, Varnishes, Primers, Undercoats, Semi-Gloss Enamels, and Flats.
Claims use since May 29, 1937.

Ser. No. 599,276. Sundure Paint Corporation, Syracuse, N. Y. Filed June 16, 1950.

DEC-O-PLAS

For Oil Type Sand Finish Paint for Interior Use.
Claims use since Feb. 27, 1950.

Ser. No. 600,961. W. W. Lawrence & Company, Pittsburgh, Pa. Filed July 20, 1950. (Sec. 2f—Additional evidence.)

Dresden Flat Paint

The words "Flat" and "Paint" are disclaimed. Applicant claims ownership of Registration No. 108,477.
For Ready Mixed Paints for Use on All Types of Interior Surfaces and Paint or Other Similar Type Undercoaters.
Claims use since Oct. 23, 1911.

Ser. No. 608,371. The Patterson-Sargent Company, Cleveland, Ohio. Filed Jan. 4, 1951.

SHEENLUX

For Ready-Mixed Paints.
Claims use since Dec. 5, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 620,678. Metropolitan Cigar Corporation, Chicago, Ill. Filed Oct. 30, 1951.

LA TREMONA

For Cigars.
Claims use since Dec. 30, 1921.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 582,276. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed July 21, 1949.

PAS-CILAG

The word "Pas" is disclaimed. Applicant claims ownership of Swiss Registration No. 124,475.
For Pharmaceutical Preparation for the Treatment of Tuberculous Affections.

Ser. No. 584,002. Imperial Chemical (Pharmaceuticals) Limited, London, England. Filed Aug. 25, 1949.

BABESAN

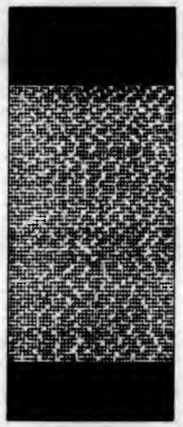
Applicant claims ownership of British Registration No. 639,143, dated Aug. 3, 1945.
For Veterinary Preparation for Treatment of Piroplasmosis.

Ser. No. 590,521. Pioneer Hi-Bred Corn Co., Des Moines, Iowa. Filed Jan. 7, 1950.

PIONEER

For Poultry Medicines for the Treatment of Coccidiosis, Cannibalism, Cecal Worms, and Fowl Pox and Cholera.
Claims use since June 6, 1949.

Ser. No. 591,492. Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Filed Jan. 26, 1950. (Sec. 2f as to "De Grath.")



The drawing is lined for black and yellow. The word "Linimento" is disclaimed. Applicant claims ownership of Registrations Nos. 77,817, 86,498, and 269,493.
For Liniment Recommended for Rheumatic and Neuralgic Pains, Lumbago, Cramps, Sciatica, Stiff Neck, Wrenched or Sprained Muscles, and Bruises.
Claims use since Nov. 21, 1939, on the mark as shown; and since 1855 as to "De Grath."

Ser. No. 591,493. Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Filed Jan. 26, 1950. (Sec. 2f as to "Kemp.")



The drawing is lined for red. The words "Pectoral" and "Compuesto de" are disclaimed. Applicant claims ownership of Registrations Nos. 84,106, 84,108, and others.
For Preparation Recommended for the Treatment of Coughs.
Claims use since October 1939 on the mark as shown; and since 1857 as to the word "Kemp."

Ser. No. 593,956. Calcium Carbonate Company, Chicago, Ill. Filed Jan. 28, 1950.

CCC

For Calcium Carbonate Used as an Ingredient in Livestock and Poultry Feeds and Concentrates.
Claims use since 1930.

Ser. No. 600,347. Nativelle Incorporated, New York, N. Y. Filed July 7, 1950.

QUINICARDINE

For Quinidine Sulphate Used for Management of Certain Forms of Irregularity of the Heart.
Claims use since May 29, 1923.

Ser. No. 600,529. Anahist Co. Inc., Yonkers, N. Y. Filed July 12, 1950.

ANAMIST

Applicant claims ownership of Registration No. 527,021.
For Antihistaminic Spray Preparation.
Claims use since June 19, 1950.

Ser. No. 600,700. St. Lawrence Chemical Company, Inc., Ogdensburg, N. Y. Filed July 14, 1950.

CEASE

Applicant claims ownership of Registration No. 272,371.
For Powdered and Liquid Preparations for Use as an Inhalant in Treating Catarrh, Frontal Headache, Hay Fever, Stomach Discomfort Due to Gas, Sour and Acid Conditions, and Colds.
Claims use since Oct. 1, 1929.

Ser. No. 601,375. Plough, Inc., Memphis, Tenn. Filed July 28, 1950.

Conhistol

For Antihistamine Compound Tablet.
Claims use since July 14, 1950.

Ser. No. 601,871. Calvital Company, Inc., Mount Vernon, N. Y. Filed Aug. 4, 1950.

Flora-sol

For Hygienic Preparation To Be Used as a Refreshing and Cleansing Douche.
Claims use since Nov. 2, 1949.

Ser. No. 601,914. Heyden Chemical Corporation, New York, N. Y. Filed Aug. 8, 1950. (Sec. 2f.)

FINE HEYDEN CHEMICALS

The words "Fine Chemicals" are disclaimed. Applicant claims ownership of Registration No. 72,247.
For Antibiotics Such as Penicillin and Penicillin Salts Such as Sodium and Potassium Penicillin, Streptomycin and Streptomycin Salts, and Dihydrostreptomycin and Dihydrostreptomycin Salt Preparations.
Claims use since Aug. 18, 1944.

Ser. No. 603,385. Schieffelin & Co., New York, N. Y. Filed Sept. 9, 1950.

SOLU-PLASTIN

The word "Plastin" is disclaimed.
For Thromboplastin Solution for Diagnostic Use in the Determination of Prothrombin Activity.
Claims use since Dec. 20, 1949.

Ser. No. 603,400. Bruckner Chemists, New York, N. Y. Filed Sept. 11, 1950.

POLIPED

For Preparation for the Treatment of Athlete's Foot.
Claims use since Aug. 5, 1950.

Ser. No. 603,810. A. W. O'Brian & Co., Hutchinson, Kans. Filed Sept. 20, 1950.



For Medicinal Oil Comprising a Mixture of Equal Parts of Pine Tar, Coal Oil, and Raw Linseed Oil.
Claims use since Mar. 28, 1910.

Ser. No. 604,908. Fred M. Fischer, Beaumont, Calif. Filed Oct. 14, 1950.

HEELOID

For Medicinal Compound for Healing Cracked Horse Heels.
Claims use since June 1, 1950.

Ser. No. 607,787. Abbott Laboratories, North Chicago, Ill. Filed Dec. 18, 1950.

SORLA-BILEIN

Applicant claims ownership of Registrations Nos. 44,140, 420,006, and 522,361.
For Oral Preparation Intended To Increase the Absorption of Fat in the Human Body.
Claims use since Nov. 28, 1950.

Ser. No. 607,902. Schenley Laboratories, Inc., New York, N. Y. Filed Dec. 20, 1950.

INETAL

Applicant claims ownership of Registration No. 536,184.
For Laxative Tablets.
Claims use since Nov. 13, 1950.

Ser. No. 607,941. Ciba Limited, Basel, Switzerland. Filed Dec. 21, 1950.

MULTICOSIN

Applicant claims ownership of Swiss Registration No. 131,129, dated Nov. 2, 1949.
For Chemotherapeutic Agent for Use in the Sulphonamide Therapy.

Ser. No. 608,166. Mead Johnson & Company, Evansville, Ind. Filed Dec. 28, 1950.

MULCIN

For Pharmaceutical Preparation for Oral Use—Namely, an Emulsion of Vitamins A, D, C, Thiamine, Riboflavin, and Niacinamide.
Claims use since Nov. 10, 1950.

Ser. No. 608,299. Saul Caspe, New York, N. Y. Filed Jan. 3, 1951.

CICATRASE

For Medicament To Aid in the Healing of Wounds.
Claims use since March 1947.

Ser. No. 608,955. Schieffelin & Co., New York, N. Y. Filed Jan. 18, 1951.

HOMABITAL

For Anti-Spasmodic.
Claims use since October 1945.

Ser. No. 609,200. Schenley Laboratories, Inc., New York, N. Y. Filed Jan. 24, 1951.

ANIGENE

For Animal and Poultry Feed Supplement.
Claims use since Oct. 9, 1950.

Ser. No. 609,202. Schenley Laboratories, Inc., New York, N. Y. Filed Jan. 24, 1951.

TETRACILLIN

Applicant claims ownership of Registration No. 528,450.
For Pharmaceutical Product Combining Penicillin and Other Therapeutic Agents, Including Sulfonamides, Administered Orally.
Claims use since Nov. 15, 1950.

Ser. No. 614,083. Emalist Company, Oak Park, Ill. Filed May 19, 1951.

Emalist

The drawing is lined for red, but color is not claimed as a feature of the mark.
For Effervescent Preparation Consisting of Aspirin, Tartaric Acid, Citric Acid, Sodium, Bicarbonate, Sugar and Oil of Lemon, and Used for the Relief of Simple Headaches, Neuralgia, Muscular Aches and Pains.
Claims use since May 8, 1951.

Ser. No. 614,438. The Grove Laboratories, Inc., St. Louis, Mo. Filed May 28, 1951. (Sec. 2f as to "Grove's" and "E. W. Grove.")

Grove's COLD TABLETS GCT

The words "Cold Tablets" are disclaimed. "E. W. Grove" as shown is not the signature of any living individual. Applicant claims ownership of Registrations Nos. 46,355, 46,394, and others.
For Medicinal Preparations for the Relief of Colds, Headaches, Fevers, Nasal Congestion, and Muscular Aches and Pains.
Claims use since Feb. 20, 1948 as to "GCT" and design; since June 1, 1887 as to "Grove's"; and since Feb. 1, 1893 as to "E. W. Grove."

Ser. No. 615,648. F. N. Kalert Co., Maplewood, Mo. Filed June 25, 1951.

Dermathrix

For Liquid Medicinal Soap, and for Medicinal Skin, Scalp, and Hair Lotion for the Medical Treatment of the Skin, Scalp, and Hair.
Claims use since Mar. 10, 1950.

Ser. No. 616,122. Chas. Pfizer & Co., Inc., Brooklyn, N. Y. Filed July 5, 1951.

CRYSTALETS

For Stabilized Vitamin A Preparation.
Claims use since June 15, 1951.

Ser. No. 617,260. Pil-Aid Company, New Orleans, La. Filed Aug. 2, 1951.

KILBO

For Preparation for Use in the Treatment of Hemorrhoids.
Claims use since July 3, 1951.

Ser. No. 617,922. The Maltine Company, Morris Plains, N. J., now by change of name, Chilcott Laboratories, Inc. Filed Aug. 21, 1951.

METHIUM

For Pharmaceutical Product for Use as an Autonomic, Ganglionic Blocking Agent.
Claims use since Aug. 6, 1951.

Ser. No. 617,949. Diana Co. of New York, Flushing, N. Y. Filed Aug. 22, 1951.

Diana

For Liniment.
Claims use since July 24, 1951.

Ser. No. 618,095. E. S. Miller Laboratories, Inc., Los Angeles, Calif. Filed Aug. 25, 1951.

SUL-DI-MILL

For Medicinal Preparation Containing Sulfadiazine and Sulfamerazine.
Claims use since Mar. 9, 1949.

Ser. No. 618,220. Winthrop-Stearns Inc., New York, N. Y. Filed Aug. 29, 1951.

APOLAMINE

For Anti-Nauseant and Anti-Emetic Preparation.
Claims use since Mar. 2, 1951.

Ser. No. 618,321. Nelson John McConahey, doing business as The Too Food Supplement Company, Denver, Colo. Filed Sept. 1, 1951.

TOO

For Mineral-Vitamin Dietary Supplement in Dry Tablet Form.
Claims use since July 15, 1951.

Ser. No. 618,372. Manuel Santos, doing business as Tosan's Drug Co., New York, N. Y. Filed Sept. 4, 1951.

dolo-  san

For Medical Tablet Used for the Relief of Neuralgia and Headaches Due to Colds, Also for the Relief of Pains Due to Menstrual Periods.
Claims use since May 18, 1951.

Ser. No. 618,403. Reon Company, Ambler, Pa. Filed Sept. 5, 1951.

REON

For Preparation for the Relief of Poison Ivy, and Chigger, Mosquito, and Other Insect Bites.
Claims use since Aug. 18, 1951.

Ser. No. 618,474. Winthrop-Stearns Inc., New York, N. Y. Filed Sept. 6, 1951.

NEOSUPREL

Applicant claims ownership of Registrations Nos. 392,437 and 436,982.
For Bronchodilator and Antispasmodic for the Treatment of Bronchial Spasm.
Claims use since Aug. 16, 1951.

Ser. No. 618,557. The Smith-Dorsey Company, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill., a corporation of Delaware. Filed Sept. 8, 1951.

DORAXAMIN

For Antacid and Absorbent Preparations for Use in the Treatment of Hyperchlorhydria.
Claims use since Mar. 25, 1951.

Ser. No. 618,563. Abbott Laboratories, North Chicago, Ill. Filed Sept. 10, 1951.

TRISULECTIN

For Sulfa Suspension Intended for Certain Enteric Disorders in Animals.
Claims use since June 29, 1951.

Ser. No. 618,589. Marlene's Inc., doing business under the style name of Dutu Corporation, Chicago, Ill. Filed Sept. 10, 1951.

DUTU

For Vitamin Preparation Used as Nutritional Supplements.
Claims use since Aug. 17, 1951.

Ser. No. 618,590. Marlene's Inc., Chicago, Ill. Filed Sept. 10, 1951.

Kydeen

For Medicinal Preparation Used for Relief of Kidney Ailments.
Claims use since Aug. 31, 1951.

Ser. No. 618,620. George Breit, doing business as Tegrity Pharmacal Co., Chicago, Ill. Filed Sept. 11, 1951.

KORBA

For Analgesic Tablets.
Claims use since June 20, 1951.

Ser. No. 618,643. The S. E. Massengill Company, Bristol, Tenn. Filed Sept. 11, 1951.

SEMHYTEN

For Medical Preparation for the Treatment of Essential Hypertension and as a Prophylactic Measure in Combatting Malignant Hypertension.
Claims use since June 6, 1951.

Ser. No. 618,785. Chicago Pharmacal Company, Chicago, Ill. Filed Sept. 14, 1951.

NUTRISUP

For Diet Supplement in Tablet Form Containing Vitamins and Minerals for Pre-Natal and General Use.
Claims use since Dec. 15, 1950.

Ser. No. 619,037. The Smith-Dorsey Company, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill., a corporation of Delaware. Filed Sept. 20, 1951.

DORSULFAS

For Sulfonamide Preparation.
Claims use since Aug. 27, 1951.

Ser. No. 619,039. The Smith-Dorsey Company, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill., a corporation of Delaware. Filed Sept. 20, 1951.

PASARA

For Medicinal Salicylate Preparation.
Claims use since Aug. 24, 1951.

Ser. No. 619,281. Allied Laboratories, Inc., Kansas City, Mo. Filed Sept. 27, 1951.

POLYCIN

For Ointment Containing Antibiotics.
Claims use since Feb. 2, 1950.

Ser. No. 619,282. Allied Laboratories, Inc., Kansas City, Mo. Filed Sept. 27, 1951.

SWIVAX

For Modified Live Virus, Rabbit Origin, Vacuum Dried Hog-Cholera Vaccine.
Claims use since Sept. 10, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 592,290. Ampex Electric Corporation, San Carlos, Calif. Filed Dec. 31, 1949.

AMPEX

For Magnetic Tape Recorders.
Claims use since Feb. 16, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 572,983. Lazy Ike Bait Company, Preston, Minn. Filed Jan. 28, 1949.

LAZY DAZY

For Fish Lures.
Claims use since Oct. 15, 1948; and since November 1936 as to the term "Lazy."

Ser. No. 586,166. Hyster Company, Portland, Oreg. Filed Oct. 12, 1949.

HYSTER

Applicant claims ownership of Registrations Nos. 198,628, 407,194, and others.
For Toy Models or Simulations of Industrial Equipment.
Claims use since January 1948.

Ser. No. 592,496. International Doll, Philadelphia, Pa. Filed Feb. 15, 1950.

TICKLE
ME
BUZZY

For Dolls.
Claims use since Aug. 2, 1949.

Ser. No. 602,579. True Temper Corporation, Cleveland, Ohio. Filed Aug. 22, 1950.

DYNALITE

Applicant claims ownership of Registration No. 383,070.
For Golf Shafts and Fishing Rods.
Claims use since Aug. 2, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 558,724. E. H. Jacobs Manufacturing Co., Inc., Danielson, Conn. Filed June 8, 1948. (Sec. 2f.)

'Reinforced'
Roller
Cushion

Applicant claims ownership of Registrations Nos. 68,333 and 332,152.
For Loom Supplies—Namely, Lug Straps.
Claims use since Jan. 15, 1933.

Ser. No. 569,520. Rodney Hunt Machine Co., Orange, Mass., by change of name from Rodney Hunt Machine Company. Filed Nov. 27, 1948.

RODNEY
HUNT

"Rodney Hunt" is the name of one of the original owners of the business who died in 1889. Applicant claims ownership of Registration No. 112,442.
For Industrial Rolls and Reels; Water Controlling Apparatus—Namely, Sluice Gates, Shear Gates, Gate Hoists, Trash Racks, and Trash Rakes; Water Power Generating Apparatus—Namely, Water Wheels, Water Turbines, Penstocks, Flumes, Draft Tubes, Head Gates, Shafting, and Gearing; and Textile Machinery—Namely, Fulling Mills, Carbonizers, Bleaching Ranges Comprising Washers, Saturators, J-Boxes, Plaiters, and Scutchers, Tight Strand Washers, Slack Loop Washers, Open Width Washers, Rope Type Washers, Mechanical Soapers, Mechanical Wringers, Squeezers, and Extractors, Crabbing Machines, Dyeing Machines, Dye Becks, Dye Kettles Equipped With Agitators, Padders, Mechanical Dryers, Stainless Steel Tanks Equipped With Agitators, Open Width Saturators, Rope Saturators, Wet-Out Saturators, Chemical Saturators, "Dupont" Type J-Boxes, and "Becco" Type J-Boxes.
Claims use since Jan. 1, 1905.

Ser. No. 589,325. Metroloy Corporation, New Rochelle, N. Y., assignor, by mesne assignments, to Metroloy Corporation, New Rochelle, N. Y., a corporation of Delaware. Filed Dec. 14, 1949.

Metroloy

For Pinking Shears.
Claims use since September 1943.

Ser. No. 595,521. H. J. Theiler Corporation, Whitinsville, Mass. Filed Apr. 10, 1950.

"Slide-tex"

The word "Slide" is disclaimed.
For Textile Equipment Comprising Harness Frames, Steel Heddles, and Drop Wires.
Claims use since Feb. 7, 1950.

Ser. No. 602,914. Charles D. Roberts Company, Greensboro, N. C. Filed Aug. 29, 1950.

TUF-TEX

The word "Tuf" is disclaimed.
For Hickory, Ash, Dogwood, and Persimmon Tool Handles.
Claims use since Jan. 1, 1950.

Ser. No. 607,548. Greenfield Tap and Die Corporation, Greenfield, Mass. Filed Dec. 11, 1950.

O.K.Jr.

Applicant claims ownership of Registration No. 147,320.
For Stocks and Dies, and Screw Plates Being Particularly Sets of Hand Tools for Threading.
Claims use since Nov. 1, 1932.

Ser. No. 608,570. Sargent & Company, New Haven, Conn. Filed Jan. 9, 1951.

HERCULES

For Carpenter's Planes.
Claims use since July 1, 1915.

Ser. No. 608,759. W. W. Grainger, Inc., Chicago, Ill. Filed Jan. 13, 1951.

VALE

For Turbine Pumps for Water Systems, Centrifugal Pumps for Boosting Pressure and Circulating Water, Deep Well Jet Pumps, and Sump Pumps.
Claims use since Apr. 1, 1940.

Ser. No. 611,286. Last Word Sales and Engineering Co., Detroit, Mich. Filed Mar. 14, 1951.

LAST WORD

For Grinding Wheel Dressing Tools for Cutting the Grinding Surfaces of Grinding Wheels to Predetermined Configurations and Precision Boring Tools for Forming Bores of Accurate Diameters in Precisely Located Positions in Workpieces.
Claims use since Sept. 21, 1942.

Ser. No. 616,537. American Type Founders, Inc., Elizabeth, N. J. Filed July 16, 1951.

LITTLE GIANT

Applicant claims ownership of Registration No. 360,411.
For Printing Presses.
Claims use since 1930.

Ser. No. 616,579. Abrasive Tools Limited, London, England. Filed July 17, 1951.

ABRAFRAME

Applicant claims ownership of British Registration No. 652,494, dated Oct. 11, 1946.
For Hacksaws, Saws (Hand Tools), and Files, and Frames for All Such Goods.

Ser. No. 619,629. The Larsan Manufacturing Company, Columbus, Ohio. Filed Oct. 5, 1951. (Sec. 2f.)

LARSAN

For Circular Saws and Hand Saws.
Claims use since March 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 587,539. Holley B. Dickinson, Los Angeles, Calif. Filed Nov. 9, 1949.

VIBRATAB

For Electrical Vibration Pick-Up, Designed for Use With a Recording Instrument for the Determination of Vibration Frequencies and Acceleration Measurement.
Claims use since Apr. 1, 1949.

Ser. No. 593,262. Coin Counters Corporation, New York, N. Y. Filed Mar. 2, 1950.

BANK-O-COUNT

The word "Count" is disclaimed.
For Coin Counting and Wrapping Apparatus.
Claims use since Mar. 1, 1950.

Ser. No. 601,983. J. Abbott Edwards, doing business as J. A. Edwards Company, Dexter, Mich. Filed Aug. 9, 1950.

"Let's Grow"

For Transparent Acetate Tape Measures.
Claims use since Apr. 12, 1950.

Ser. No. 620,378. Robertshaw-Fulton Controls Company, Greensburg, Pa. Filed Oct. 9, 1951.



Applicant claims ownership of Registrations Nos. 289,029, 532,122, and others.
For Thermostatic and Thermomagnetic Control Valves.
Claims use since May 18, 1928.

Ser. No. 620,463. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Filed Oct. 25, 1951.

EKTALURE

For Sensitized Photographic Paper.
Claims use since Oct. 12, 1951.

Ser. No. 620,769. American Optical Company, Southbridge, Mass. Filed Nov. 1, 1951.



For Ophthalmic Frames and Mountings.
Claims use since Oct. 12, 1951.

Ser. No. 620,892. Liberty Optical Manufacturing Co., Inc., Newark, N. J. Filed Nov. 5, 1951.

Baron

For Ophthalmic Mountings.
Claims use since Jan. 15, 1936.

Ser. No. 620,893. Liberty Optical Manufacturing Co., Inc., Newark, N. J. Filed Nov. 5, 1951.

Baroness

For Ophthalmic Mountings.
Claims use since Aug. 24, 1951.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 615,059. Gemex Company, Union, N. J. Filed June 12, 1951.

SONATA CHARM-BAND

"Charm-Band" is disclaimed. Applicant claims ownership of Registration No. 538,605.
For Bracelets and Watch Bracelets and Watch Straps.
Claims use since June 1, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 606,041. The New York Association for the Blind, Inc., New York, N. Y. Filed Nov. 7, 1950.

SIMPLEX

For Mops.
Claims use since 1925.

Ser. No. 611,896. Girl Scouts of the United States of America, New York, N. Y. Filed Mar. 28, 1951.



Applicant claims ownership of Registration No. 215,253.
For Tooth Brushes.
Claims use since February 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 578,079. Ever-Soft Corporation, Pittsburgh, Pa. Filed May 2, 1949. (Sec. 2f—Additional evidence.)

ever-soft

For Iron Exchange Type Apparatus for Softening Water, Apparatus for Filtering Organic Matter and/or Iron From Water and Activated Carbon Type Apparatus for Filtering, Deodorizing and Decoloring Water.
Claims use since Aug. 25, 1948.

Ser. No. 617,798. Fred Kuhn, doing business under the name of National Market Equipment Co., Highland Park, Mich. Filed Aug. 17, 1951.

National

For Frozen Food Cabinets, Refrigerators, and Refrigerated Display Cabinets.
Claims use since Apr. 1, 1949.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 620,371. Milton T. Smith, doing business as Economy Furniture Upholstery, Austin, Tex. Filed Oct. 23, 1951.

HUNTSMAN

For End Tables, Coffee Tables, Lounge Chairs, Platform Rockers, and Davenports.
Claims use since June 1951.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 614,681. Affiliated Retailers, Inc., New York, N. Y. Filed June 4, 1951.

Armold

For Gas Ranges and Stoves, Gas-Heated Firelogs, Air Conditioning Units, and Parts Thereof.
Claims use since Apr. 5, 1949.

Ser. No. 615,107. Clayton & Lambert Manufacturing Company, Louisville, Ky. Filed June 13, 1951. (Sec. 2f.)

HOFFMAN

Applicant claims ownership of Registration No. 230,434.
For Liquid-Fuel and Gas-Fired Water Heaters.
Claims use since July 2, 1903.

Ser. No. 621,871. Diehl Manufacturing Company, Bridgewater Township, Somerset County, N. J., and New York, N. Y. Filed Nov. 30, 1951. (Sec. 2f.)

DIEHL

Applicant claims ownership of Registration No. 49,433.
For Exhaust Fans.
Claims use since Apr. 1, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 608,132. Juan Martinez Vela, Inc., San Juan, P. R. Filed Dec. 27, 1950.

Colonial

Applicant claims ownership of Puerto Rican Registration No. 7,623, dated Jan. 9, 1950.
For Grooved Phonograph Records for Use With Mechanical and Electrical Sound Reproducing Machines.
Claims use since March 1949.

CLASS 37

PAPER AND STATIONERY

Ser. No. 550,544. Neenah Paper Company, Neenah, Wis. Filed Feb. 25, 1948. (Sec. 2f—Additional evidence.)

PUTNAM

Applicant claims ownership of Registration No. 242,992.
For Bond, Ledger, and Writing Paper.
Claims use since 1913.

Ser. No. 579,957. The Western Lithograph Company, Wichita, Kans. Filed June 3, 1949.

Multirite

For Interleaved One-Time Carbon Manifold Forms.
Claims use since Apr. 27, 1948.

Ser. No. 608,732. Powers-Samas Accounting Machines Limited, London, England. Filed Dec. 5, 1950.

SAMAS

Applicant claims ownership of British Registration No. 531,191, dated Apr. 20, 1932; and United States Registration No. 544,924.
For Record Cards and Tabulator Paper.

Ser. No. 617,580. Daniels Manufacturing Company, Rhinelander, Wis. Filed Aug. 11, 1951.

DAN·D·LIN

Applicant claims ownership of Registrations Nos. 280,468, 247,345, and others.
For Paper Napkins and Towels.
Claims use since Aug. 23, 1930.

Ser. No. 619,195. Fletcher Paper Company, Alpena, Mich. Filed Sept. 25, 1951. (Sec. 2f.)

ALPENA MANIFOLD

The word "Manifold" is disclaimed. Applicant claims ownership of Registration No. 410,269.
For Printing Paper.
Claims use since Jan. 1, 1943.

Ser. No. 619,878. Fletcher Paper Company, Alpena, Mich. Filed Oct. 11, 1951.

ALPENA BOND

The word "Bond" is disclaimed. Applicant claims ownership of Registration No. 410,269.
For Printing Paper.
Claims use since October 1943.

Ser. No. 620,658. American Writing Paper Corporation, Holyoke, Mass. Filed Oct. 30, 1951. (Sec. 2f.)

Old Springfield Bond

The word "Bond" is disclaimed. Applicant claims ownership of Registration No. 290,764.
For Writing and Printing Paper.
Claims use since July 26, 1930.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 593,577. Air-Way Electric Appliance Corporation, Toledo, Ohio. Filed Mar. 8, 1950.

The Air-Way Indicator

For Periodical.
Claims use since Oct. 1, 1925.

Ser. No. 595,169. State Equipment Company, Harrisburg, Pa. Filed Apr. 3, 1950.

THE EASTERN Construction Digest

The word "Digest" is disclaimed.
For Periodical Publications.
Claims use since Dec. 1, 1949 as to "The Eastern Construction Digest"; and since 1929 as to "Construction Digest."

Ser. No. 610,664. Anderson-Nichols & Company, Boston, Mass. Filed Mar. 1, 1951.

ANSWERS

For Publication, Issued From Time to Time Throughout the Year.
Claims use since Oct. 1, 1950.

Ser. No. 619,669. Duro Metal Products Co., Chicago, Ill. Filed Oct. 6, 1951.

The DURO CRAFTER

Applicant claims ownership of Registrations Nos. 285,395, 298,973, and others.
For Magazine Published From Time to Time.
Claims use since Aug. 17, 1951.

Ser. No. 619,670. Duro Metal Products Co., Chicago, Ill. Filed Oct. 6, 1951.

DURO CRAFTER

Applicant claims ownership of Registrations Nos. 285,395, 298,973, and others.
For Magazine Published From Time to Time.
Claims use since Aug. 17, 1951.

Ser. No. 619,918. The Bramson Publishing Company, Detroit, Mich. Filed Oct. 12, 1951.

PRODUCTION

Applicant claims ownership of Registrations Nos. 398,970 and 416,194.
For Periodical Directed to Metalworking Machinery, Tools, and Methods.
Claims use since Apr. 2, 1943.

CLASS 39

CLOTHING

Ser. No. 530,981. Sport Products, Inc., Cincinnati, Ohio. Filed Aug. 9, 1947. (Sec. 2f.)

MacGregor GoldSmith

Applicant claims ownership of Registrations Nos. 167,104, 385,253, and others.
For Sportswear—Namely, Uniforms, Shoes, and Socks Which Are of a Type Made Expressly for and Normally Used Only in the Playing of a Game of Sport or in a Field or Track Event.
Claims use since May 1945 on the mark shown; since Oct. 1, 1901 on the word "Goldsmith"; and since Mar. 1, 1897 on the word "MacGregor."

Ser. No. 563,383. Western Garment Company, St. Louis, Mo. Filed Aug. 13, 1948.

Magic Liner

The word "Liner" is disclaimed.
For Women's and Misses' Coats and Suits.
Claims use since July 15, 1948.

Ser. No. 580,826. Delman, Inc., New York, N. Y. Filed June 21, 1949. (Sec. 2f as to "Delman.")

DELMAN Twenty

The word "Shoes" is disclaimed. Applicant claims ownership of Registrations Nos. 203,302, 246,648, and others.
For Shoes.
Claims use since Dec. 1, 1948 as to the complete mark shown; and since April 1922 as to "Delman."

Ser. No. 590,842. Sutton Shirt Corp., New York, N. Y. Filed Jan. 13, 1950.

SKIP-NYL

For Men's Outer Shirts Made of Part Nylon.
Claims use since October 1949.

Ser. No. 592,827. Elvetta Products Co., New York, N. Y., assignee of Norbert Neumann. Filed Feb. 21, 1950.

LYSETTE

For Hairnets.
Claims use since Jan. 25, 1950.

Ser. No. 592,920. Model Shoe Co., Cincinnati, Ohio. Filed Feb. 23, 1950. (Sec. 2f as to "Model's.")

MODEL'S KUSHINSHU

Applicant claims ownership of Registrations Nos. 342,800 and 343,857.

For Men's, Women's, and Children's Shoes Made of Leather, Fabric, and Combinations of Leather and Fabric.

Claims use since Oct. 1, 1946, as to the complete mark shown; and since Jan. 2, 1931, as to "Model's."

Ser. No. 603,337. United Cloak Co., Inc., Detroit, Mich. Filed Aug. 26, 1950.

Judy-Ann

For Ladies', Juniors', and Misses' Coats and Suits.

Claims use since January 1948.

Ser. No. 612,267. Luella McConron, doing business as Westwear Shop, Klamath Falls, Oreg. Filed Apr. 5, 1951.

WESTWEAR

For Women's and Girls' Dresses; Outer Jackets, Sport and Dress Shirts, Men's, Women's, and Children's Western Style Trousers; and Men's, Women's, and Children's Coats and Hats.

Claims use since Jan. 1, 1947.

Ser. No. 612,766. Stern, Merritt Co. Inc., New York, N. Y. Filed Apr. 17, 1951. (Sec. 2f.)

CUSTOM SQUARES

Applicant claims ownership of Registration No. 396,736.

For Neckties.

Claims use since July 28, 1942.

Ser. No. 613,553. Herbert Bayer, Aspen, Colo. Filed May 5, 1951.



Aspen

For Sweaters for Men, Women, and Children; and Neckties.

Claims use since Mar. 23, 1948.

Ser. No. 615,227. B. Kuppenheimer and Co. Inc., Chicago, Ill. Filed June 15, 1951.

GALA TWEED

The word "Tweed" is disclaimed.

For Men's and Boys' Ready-To-Wear Coats, Vests, Trousers, and Overcoats.

Claims use since Apr. 5, 1950.

Ser. No. 615,388. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed June 19, 1951.

Lepon

For Apparel Belts and Suspenders.

Claims use since Feb. 20, 1951.

Ser. No. 616,911. The L. C. King Manufacturing Co., Bristol, Tenn. Filed July 25, 1951.



Jack Rabbit

Applicant claims ownership of Registration No. 95,010.

For Men's and Boys' Overalls, Jackets, Dungarees, Work Pants, Semi-Dress Pants, and Coveralls.

Claims use since June 1928.

Ser. No. 617,632. Stelzer Bros., Inc., New York, N. Y. Filed Aug. 13, 1951.

FYLINED BY STELZER

The word "Stelzer" is disclaimed. Applicant claims ownership of Registrations Nos. 522,182, 535,960, and others.

For Apparel Belts.

Claims use since March 1951.

Ser. No. 617,633. Stelzer Bros., Inc., New York, N. Y. Filed Aug. 13, 1951.

STELFLEX BY STELZER

The surname "Stelzer" is disclaimed. Applicant claims ownership of Registrations Nos. 522,182, 535,960, and 311,633.

For Apparel Belts.

Claims use since March 1951.

Ser. No. 617,634. Stelzer Bros., Inc., New York, N. Y. Filed Aug. 13, 1951.

STELTEX BY STELZER

The surname "Stelzer" is disclaimed. Applicant claims ownership of Registrations Nos. 522,182, 535,960, and 311,633.

For Apparel Belts.

Claims use since March 1951.

Ser. No. 618,791. Nat Green, Inc., New York, N. Y. Filed Sept. 14, 1951.



POUDELLA

For Misses' and Juniors' Coats and Suits.

Claims use since Aug. 1, 1951.

Ser. No. 618,934. The L. C. King Manufacturing Co., Bristol, Tenn. Filed Sept. 18, 1951. (Sec. 2f as to "King's Carolina.")

KING'S CAROLINA BILL

For Men's and Boys' Clothing—Namely, Overalls, Semi-Dress Pants, Work Pants, Dungarees, Work Shirts, and Jackets.

Claims use since 1928.

Ser. No. 619,203. The L. C. King Manufacturing Co., Bristol, Tenn. Filed Sept. 25, 1951.



Pointer Brand

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 177,532.

For Men's and Boys' Overalls, Men's Coveralls, Men's and Boys' Pants, Dungarees, Work Shirts, and Jackets.

Claims use since March 1914.

Ser. No. 619,739. Champ Hats, Inc., Philadelphia, Pa. Filed Oct. 9, 1951.

The Californian

Applicant claims ownership of Registration No. 342,393.

For Men's and Boys' Hats and Caps.

Claims use since Oct. 4, 1934.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 600,725. Heatherdell Sales Agency, New York, N. Y. Filed July 15, 1950.



For Piece Goods of Wool Alone and Blended With Synthetic Fibers.

Claims use since July 1, 1941.

Ser. No. 605,742. Highland Park Manufacturing Company, Charlotte, N. C. Filed Nov. 1, 1950.

KALBURNIE

Applicant claims ownership of Registrations Nos. 126,176 and 175,947.

For Cotton Piece Goods.

Claims use since Dec. 2, 1918.

Ser. No. 607,602. Rand Pillo Case Corporation, New York, N. Y. Filed Dec. 12, 1950.

Hide-away

For Pillow Cases.

Claims use since Nov. 20, 1950.

Ser. No. 609,842. Bartmann & Bixer, Inc., New York, N. Y. Filed Feb. 9, 1951. (Sec. 2f—Additional evidence.)

RODLOOPED

For Window Curtains.

Claims use since Nov. 28, 1950.

Ser. No. 610,064. Herbert Manufacturing Co., Inc., New York, N. Y. Filed Feb. 14, 1951.

Grandee

For Rayon Satin Fabrics Sold in the Piece.

Claims use since Feb. 11, 1936.

Ser. No. 610,538. Beacon Manufacturing Company, Swannanoa, N. C. Filed Feb. 27, 1951.

Beacon TUFT-TREAD

The words "Tuft-Tread" are disclaimed. Applicant claims ownership of Registrations Nos. 62,895, 99,536, and others.

For Loop Pile Rugs.

Claims use since Jan. 11, 1951, on the mark as shown; and since Apr. 1, 1912, on the word "Beacon."

Ser. No. 611,377. Wm. Simpson, Sons & Co., Inc., Philadelphia, Pa. Filed Mar. 15, 1951.

SCINTILLANT

For Print Cloth Made of Cotton With an Embossed Finish.

Claims use since January 1951.

Ser. No. 612,812. Maclennan & Maclennan Limited, Stornoway, Scotland. Filed Apr. 18, 1951.



The representation of sheep is disclaimed. Applicant claims ownership of British Registration No. 559,572, dated Feb. 14, 1951.

For Textile Piece Goods of Wool, Wool Worsted, or Hair.

Ser. No. 612,977. Topton Rug Manufacturing Co., Mertztown, Pa., and New York, N. Y. Filed Apr. 21, 1951.

FIRESIDE PLAID

The word "Plaid" is disclaimed.
For Hand-Loomed Cotton Rugs.
Claims use since Dec. 8, 1950.

Ser. No. 617,982. Dominion Textile Company Limited, Montreal, Quebec, Canada. Filed Aug. 23, 1951.

Tex-shrunk

The word "Shrunk" is disclaimed. Applicant claims ownership of Canadian Registration No. N. S. 38,292, dated Apr. 5, 1951; and United States Registration No. 526,907.

For Cotton Textile Fabrics.

Ser. No. 623,253. Meb Export Co. Inc., New York, N. Y. Filed Jan. 5, 1952.



Sea Maid

For Cotton Piece Goods.
Claims use since Dec. 20, 1951.

Ser. No. 623,267. The Barbizon Corporation, New York, N. Y. Filed Jan. 7, 1952.

SATINYL

For Nylon-Satin Woven Fabric, Sold by the Piece.
Claims use since July 27, 1951.

Ser. No. 623,347. D. B. Fuller & Co., Inc., New York, N. Y. Filed Jan. 9, 1952.

PLAYGLAZE

For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Oct. 30, 1950.

Ser. No. 623,382. John Wolf Textiles, Inc., New York, N. Y. Filed Jan. 9, 1952.

APPLI-KETTE

For Printed Cotton Piece Goods.
Claims use since Aug. 30, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 600,463. American Enka Corporation, Enka, N. C. Filed July 11, 1950.



The words "Rayon," "American Corporation," "Made in U. S. A.," and the representation of the cone of thread are disclaimed. Applicant claims ownership of Registrations Nos. 291,338, 409,392, and 504,598.

For Rayon Yarns.
Claims use since June 21, 1950.

Ser. No. 602,593. American Enka Corporation, Enka, N. C. Filed Aug. 23, 1950.



The entire lining on the drawing is intended to simulate a woven fabric. The words "Rayon," "American Corporation," "Made in U. S. A.," "The Fashion Name in Rayon," and the representation of the cone of thread are disclaimed. Applicant claims ownership of Registrations Nos. 291,338, 409,392, and 504,598.

For Rayon Yarns.
Claims use since Aug. 1, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 618,320. S. H. Kress and Company, New York, N. Y. Filed Sept. 1, 1951.

Bonita

Applicant claims ownership of Registrations Nos. 289,937, 289,938, and others.

For Rubber Gloves for Medical or Surgical Use, Absorbent Cotton, Sanitary Belts, Sanitary Napkins, and Sanitary Aprons.

Claims use since Nov. 1, 1940 on the mark as shown; and since May 15, 1931 on the word "Bonita."

Ser. No. 618,541. Fairhope Fabrics, Inc., Fall River, Mass. Filed Sept. 8, 1951.

Ortho-Lastic

For Bandages.
Claims use since Aug. 20, 1951.

Ser. No. 618,828. Zenith Radio Corporation, Chicago, Ill. Filed Sept. 14, 1951.

Permaphone

For Electrical Hearing Aids and Parts Thereof.
Claims use since Aug. 14, 1951.

Ser. No. 619,306. Mills Manufacturing Corporation, New York, N. Y. Filed Sept. 27, 1951.

BELTEZE

Applicant claims ownership of Registrations Nos. 536,161 and 536,162.

For Sanitary Belts.
Claims use since Aug. 11, 1950.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 612,926. Pacific Brewing & Malting Co., also doing business as Calso Water Co., San Francisco, Calif. Filed Apr. 20, 1951.



The mark consists of a three-dimensional fanciful figure.
For Carbonated Water.
Claims use since Feb. 28, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 528,894. Standard Milling Company, Chicago, Ill. Filed July 18, 1947.



Applicant claims ownership of Registration No. 159,531.
For Wheat Flour.
Claims use since 1906.

Ser. No. 554,433. Southern Fruit Distributors, Inc., Orlando, Fla. Filed Apr. 12, 1948.

BLUEBIRD

Applicant claims ownership of Registrations Nos. 81,443 and 294,117.

For Potatoes in the Natural Condition.
Claims use since 1944.

Ser. No. 555,805. Fallbrook Citrus Association, Fallbrook, Calif. Filed Apr. 29, 1948.

SANTA MARGUERITA

For Fresh Citrus Fruits.
Claims use since 1916.

Ser. No. 556,553. The Borden Company, New York, N. Y. Filed May 8, 1948. (Sec. 2f as to "Sharpless.")

SHARPLESS
"The Velvet Kind"

The words "The Velvet Kind" are disclaimed. Applicant claims ownership of Registration No. 196,479.

For Ice Cream and Sherbets.
Claims use since 1919.

Ser. No. 578,699. Edward A. and Frances H. Nadeau, Philadelphia, Pa. Filed May 12, 1949.

Francine's
Excellency Chocolates

The word "Chocolates" is disclaimed.
For Chocolate-Coated Candies.
Claims use since Mar. 22, 1949.

Ser. No. 580,489. Lekas & Drivas, Inc., New York, N. Y. Filed June 15, 1949.



The drawing is lined to indicate red. Applicant claims ownership of Registrations Nos. 82,097 and 106,636.

For Olive Oil in Cans and Bottles; Canned Fruits, Canned Vegetables, Bottled Caviar, Canned Fish, Table Salt, Peppers Packed in Glass, Honey, Capers, Olives, Vinegar, Lentils, Dried Beans, Rice, Dry Macaroni, and Grapevine Leaves Used in Cooking Foods.

Claims use since Apr. 6, 1894.

Ser. No. 598,640. Embassy Chocolates Products Company, Los Angeles, Calif. Filed June 6, 1950.

Conversation

For Candy.

Claims use since Sept. 15, 1949.

Ser. No. 599,599. Rudolph John Stenzel, doing business as R. Stenzel Pickle Products, San Leandro, Calif. Filed June 22, 1950. (Sec. 2f with regard to the word "Stenzel's.")

Stenzel's TICKLE-TIM



The representation of the pickle is disclaimed. Applicant claims ownership of Registration No. 430,533.

For Bottled Pickles, Chili Peppers, Italian Style Peppers, Sweet Relish, and Hamburger Relish Comprised of Cucumbers, Cauliflower, Peppers, Seasoning, and Spices.

Claims use since March 1946; and since October 1943 as to "Stenzel's."

Ser. No. 600,766. Consolidated Grocers Corporation, Chicago, Ill. Filed July 17, 1950.

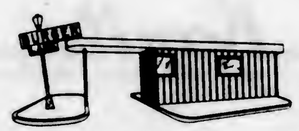


The drawing is lined for green. The trade-mark is part of a portrait by Van Dyke of one of the children of one of the Stuart kings of England. Applicant claims ownership of Registration No. 98,325.

For Canned Fruits, Canned Berries, and Canned Vegetables.

Claims use since Jan. 27, 1914.

Ser. No. 601,661. Burger Lane, Spokane, Wash. Filed Aug. 3, 1950.



The word "Burger" is disclaimed.

For Sandwiches.

Claims use since Aug. 8, 1949.

Ser. No. 601,905. L. S. Heath & Sons, Inc., Robinson, Ill. Filed Aug. 8, 1950. (Sec. 2f as to the word "Heath" only.)

HEATH
HARVEST HOME

Applicant claims ownership of Registrations Nos. 319,967 and 389,755.

For Pasteurized Process Cheese.

Claims use since Nov. 1, 1943.

Ser. No. 603,865. Snively Groves, Inc., Winter Haven, Fla. Filed Sept. 21, 1950.

CYPRESS GARDENS

For Canned Citrus Fruits, and Canned Citrus Fruit Juices.

Claims use since Sept. 1, 1950.

Ser. No. 605,139. The Blanton Company, St. Louis, Mo. Filed Oct. 19, 1950.

pop-O

The vertical lines represent the color red. The word "Brand" is disclaimed.

For Blended Vegetable Oils for Popping Corn.

Claims use since Sept. 20, 1949.

Ser. No. 605,479. B. Heller & Company, Chicago, Ill. Filed Oct. 27, 1950.



The word "Malaboza" is fanciful. Applicant claims ownership of Registrations Nos. 171,334 and 193,520.

For Food Flavoring and Spice Extracts; Food Colors; Spices; Meat Seasoning—Namely, a Mixture of Spices; and a Preparation consisting Principally of Dextrose, Vegetable and Cellulose Gums, Used as an Emulsifier and Stabilizer for Meats.

Claims use since Aug. 16, 1950.

Ser. No. 607,636. Moosalina Products Corporation, Brooklyn, N. Y. Filed Dec. 13, 1950.

GINA

For Canned Tomato Paste, Canned Tomatoes and Puree, and Canned Salad and Cooking Oil.

Claims use since 1939.

Ser. No. 607,725. Simpson Bros., Inc., doing business under the name and style of Wakefield Model Farms Dairy, Washington, D. C. Filed Dec. 15, 1950. (Sec. 2f.)

Wakefield ModelFarms

Applicant claims ownership of Registration No. 300,487.

For Dairy Products—Namely, Fluid Milk, Buttermilk, Cream, Half and Half (a Homogenized Mixture of Milk and Cream), Chocolate Flavored Drink (Containing Skim Milk, Sugar, Cocoa, Stabilizer, and Flavoring Ingredients), Skimmed Milk, and Cottage Cheese.

Claims use since Sept. 11, 1950, on the mark as shown; since May 19, 1931, as to "Wakefield"; and since August 1931 as to "Model Farms."

Ser. No. 608,837. L. V. Swanson, Winter Park, Fla. Filed Jan. 16, 1951.



For Tropical Guava Jelly, Orange Marmalade, Tangerine and Calamondin Marmalade, Spiced Kumquats, Tropical Mango Chutney, Fresh Frozen and Canned Citrus Fruits.

Claims use since Oct. 27, 1948.

Ser. No. 609,130. Kellogg Company, Battle Creek, Mich. Filed Jan. 23, 1951.



Applicant claims ownership of Registrations Nos. 391,602, 392,190, and others.

For Cereal Breakfast Foods.

Claims use since Nov. 6, 1950.

Ser. No. 617,662. The French Sardine Company of California, doing business as French Sardine Co., Inc., Terminal Island, Calif. Filed Aug. 14, 1951.

BARB-A-SNACKS

The term "Snacks" is disclaimed.

For Canned Sardines Packed in Barbecue Sauce.

Claims use since July 27, 1951.

Ser. No. 617,865. The Continental Fruit Packing Co., Limited, London, England. Filed Aug. 20, 1951.

"TARANTELLA"

Applicant claims ownership of Registration No. 250,883.

For Canned Fruits and Canned Vegetables.

Claims use since Sept. 28, 1891; and since Sept. 28, 1891, in commerce between Great Britain and the United States.

Ser. No. 617,866. The Continental Fruit Packing Co., Limited, London, England. Filed Aug. 20, 1951.



Applicant claims ownership of Registration No. 250,883.

For Canned Fruits and Canned Vegetables.

Claims use since Sept. 28, 1891; and since Sept. 28, 1891, in commerce between Great Britain and the United States.

Ser. No. 618,109. Denison Poultry & Egg Company, Denison, Tex. Filed Aug. 27, 1951.



The drawing is lined for yellow and red, but such colors do not constitute a part of the mark as claimed. The words "the Fryer" are disclaimed.
For Fresh and Frozen Dressed Poultry.
Claims use since May 15, 1950.

Ser. No. 619,106. St. Joe Processing Company, Inc., St. Joseph, Minn. Filed Sept. 21, 1951.

VIT-A-PEP

"Vita" is disclaimed.
For Feeds for Poultry, Turkeys, Hogs, Dairy-Cattle, and Stock.
Claims use since Nov. 2, 1946.

Ser. No. 619,638. The Mar-Gold Corporation, Atlanta, Ga. Filed Oct. 5, 1951.



The word "Yellow" is disclaimed.
For Oleomargarine.
Claims use since April 1950.

Ser. No. 620,590. Carnation Company, Los Angeles, Calif. Filed Oct. 29, 1951.

NURSE

For Feed for Livestock.
Claims use since Oct. 3, 1951.

Ser. No. 620,596. The R. T. French Company, Rochester, N. Y. Filed Oct. 29, 1951.

Klix

For Dog Food.
Claims use since Sept. 19, 1951.

Ser. No. 620,763. Ernest Wilson, doing business under the firm name and style of Ernest Wilson Candy Company, San Francisco, Calif. Filed Oct. 31, 1951.

Zombie

For Candy.
Claims use since July 6, 1948.

Ser. No. 620,917. J. F. Imbs Milling Co., St. Louis, Mo. Filed Nov. 6, 1951.

CHARM

Applicant claims ownership of Registration No. 92,338.
For All-Purpose Wheat Flour.
Claims use since Sept. 12, 1876.

Ser. No. 621,170. Sonny Shalhoub, Los Angeles, Calif. Filed Nov. 13, 1951.



For Fresh Vegetables.
Claims use since June 1951.

Ser. No. 623,129. Arthur J. Delaunay, doing business under the name Zombies Company, Jersey City, N. J. Filed Jan. 3, 1952.

Zombies

For Candy.
Claims use since Oct. 3, 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 541,196. Jos. Schlitz Brewing Company, Milwaukee, Wis. Filed Nov. 14, 1947. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 428,097, 52,011, and 87,489.
For Beer.
Claims use since Jan. 2, 1940.

Ser. No. 544,130. The Tivoli-Union Company, Denver, Colo. Filed Dec. 11, 1947.



The words "Old Style" and "Ale" are disclaimed.
For Ale.
Claims use since January 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 584,914. Little Rock Tent and Awning Company, Little Rock, Ark. Filed Sept. 16, 1949. (Sec. 2f as to "Sta-Dri.")



For Tents, Wagon and Truck Covers, and Tarpaulins.
Claims use since Mar. 1, 1926.

Ser. No. 616,180. Frank P. Mitten, Redlands, Calif. Filed July 6, 1951.

WHITE MAGIC

The word "White" is disclaimed.
For Font Assortments of Letters and Figures and Illustrating Accessories for Use in Making Up Changeable or Permanent Signs.
Claims use since January 1951.

Ser. No. 616,723. Harold B. Mechler and Julene Mechler, Kaneohe, Oahu, Territory of Hawaii. Filed July 20, 1951.

Ceramics by Julene

The words "Ceramics by" are disclaimed.
For Ceramics—Namely, Figurines.
Claims use since July 1, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 601,181. John H. Woodbury, Inc., Cincinnati, Ohio, assignor to The Andrew Jergens Company, Cincinnati, Ohio, a corporation of Ohio. Filed July 24, 1950.

HAPPY DREAM

For Face Powder.
Claims use since June 8, 1950.

Ser. No. 602,118. John H. Woodbury, Inc., Cincinnati, Ohio, assignor to The Andrew Jergens Company, Cincinnati, Ohio, a corporation of Ohio. Filed Aug. 11, 1950.

GAY DREAM

For Face Powder.
Claims use since July 13, 1950.

Ser. No. 609,116. Atlantco & Cie, Paris, France. Filed Jan. 23, 1951.



The words "Auber Parfums Paris" are disclaimed. Applicant claims ownership of French Registration No. 396,272, dated Aug. 19, 1949.
For Perfumes.

Ser. No. 609,392. Hattie Carnegie, Inc., New York, N. Y. Filed Jan. 30, 1951.

CARTE BLEUE

The word "Bleue" is disclaimed. Applicant claims ownership of Registration No. 416,833.
For Colognes.
Claims use since Jan. 1, 1949.

Ser. No. 609,393. Hattie Carnegie, Inc., New York, N. Y. Filed Jan. 30, 1951.

CARTE VERTE

The word "Verte" is disclaimed. Applicant claims ownership of Registration No. 416,833.
For Colognes.
Claims use since Jan. 1, 1949.

Ser. No. 611,177. Goya Incorporated, New York, N. Y. Filed Mar. 12, 1951.

CORVETTE

For Shaving Soap, Shaving Stick, Liquid and Solid Brilliantines, Cologne, After Shave Lotion, Hair Cream, and Talcum Powder.
Claims use since Feb. 20, 1951.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 534,907. Monsanto Chemical Company, St. Louis, Mo. Filed Apr. 17, 1948.

MONSANTO

The mark consists of a block "M" having the word "Monsanto" imprinted thereon.

For Detergents for Household, Restaurant, and Laundry Use; for Cleaning Industrial Structures and Equipment; and for Use in Such Industries as the Textile, Metal Cleaning, Dairy, and Leather Industries.

Claims use since February 1945.

Ser. No. 560,613. Fitzpatrick Bros., Inc., Chicago, Ill. Filed July 2, 1948.

DAISY SOAP FLAKES

The words "Soap Flakes" are disclaimed.

For Soap Flakes.

Claims use since Mar. 30, 1948.

Ser. No. 562,495. Phillips Petroleum Company, Bartlesville, Okla. Filed July 29, 1948.

PHILFLUSH

For Flushing Oil for Cleaning Metal Surfaces and Cleaning Oily Deposits From Crank Cases of Internal Combustion Engines.

Claims use since December 1932.

Ser. No. 583,714. Stel-Zanto Company, Inc., Markesan, Wis. Filed Aug. 19, 1949.

TIREZAN

The representation of a tire is disclaimed. The representation of the man is fanciful.

For Whitewall Tire Cleaner.

Claims use since July 20, 1949.

Ser. No. 586,098. Magnus Chemical Co., Inc., Garwood, N. J. Filed Oct. 11, 1949.

CARFOAM

For Car Washing Compound.

Claims use since Jan. 1, 1947.

Ser. No. 586,357. Lan-O-Sheen, Inc., St. Paul, Minn. Filed Oct. 15, 1949.

Lan-o-Sheen

The word "Sheen" is disclaimed. Applicant claims ownership of Registration No. 517,694.

For Cleaning Powder for Rugs, Upholstery, Drapery, Clothing, Silks, Woolens, Woodwork, Painted Surfaces, Tile, Linoleum, Silverware, Dishes, Washing Machines, Vitreous Enamel; for Removing Ink, Soot, Grease, Dust, and Dirt; and for a Cleaning Compound Having Incidental Water Softening Properties, but Not Including Bar Soap.

Claims use since Aug. 22, 1949.

Ser. No. 586,856. The Hewitt Soap Company, Inc., Dayton, Ohio. Filed Oct. 26, 1949.

DAWN

For Sudsing Cleaner, Cleanser, and Detergent.

Claims use since February 1937.

Ser. No. 591,087. Janitorial Supplies Corporation, Albany, N. Y. Filed Jan. 19, 1950.

T-A
TRIPLE ACTION

For Wax Base Chemical Cleaning Compound for Use on All Kinds of Floors and Similar Surfaces.

Claims use since Apr. 1, 1949.

Ser. No. 598,664. John N. McMath Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Filed June 6, 1950.

Popularity Kit

The word "Kit" is disclaimed.

For Soap, a Saponaceous Preparation for Making a Foaming Bath, and Shampoo, in Kit Outfits.

Claims use since Dec. 15, 1937.

Ser. No. 599,541. James Varley & Sons, Inc., St. Louis, Mo. Filed June 21, 1950.

MED-I-SAN

For Bactericidal and Germicidal Detergent for Use as an Agent To Maintain a Low Skin Bacteria Count, Such as a Surgical Scrub-up.

Claims use since Apr. 10, 1950.

Ser. No. 599,549. Charles W. Bimba, Monee, Ill. Filed June 22, 1950.

HOLY TOLEDO

The word "Toledo" is disclaimed.

For Detergents for Use in Washing Powders and Washing Compounds Employed in Cleansing of Fabrics and Other Materials.

Claims use since Nov. 23, 1949.

Ser. No. 600,666. Grace-Lee Products Inc., Minneapolis, Minn. Filed July 14, 1950.

DUBL DUTI

For Liquid Vegetable Soap or Oil Cleaner for Cleaning Floors.

Claims use since May 8, 1948.

Ser. No. 601,224. The Marimac Manufacturing Company, Murrayville, Ill. Filed July 25, 1950.

Marimac Sofsheen

The term "Sofsheen" is disclaimed.

For General Purpose Cleanser in Cream Form for Removing Dirt, Oil, Grease, and Grime From Painted Walls, Woodwork, Furniture, Linoleum, Washable Wall Paper, Tile and Marble Surfaces, Bath Tubs and Sinks, Farm Machinery, White Sidewall Tires, Automobiles, Mechanics' Hands, and All Washable Surfaces.

Claims use since May 3, 1950.

Ser. No. 602,222. Seydel-Woolley & Company, Atlanta, Ga. Filed Aug. 15, 1950.

SEYCO

Applicant claims ownership of Registration No. 249,976.

For Soaps and Synthetic Detergents for Industrial Use, Stain and Spot Removers, Metal Cleaning Agents, and Pickling Solutions.

Claims use since Jan. 1, 1924.

Ser. No. 608,888. The National Cash Register Company, Dayton, Ohio. Filed Jan. 17, 1951.

National

Applicant claims ownership of Registrations Nos. 392,498 and 397,059.

For Ink Remover.

Claims use since Aug. 16, 1949.

Ser. No. 608,889. The National Cash Register Company, Dayton, Ohio. Filed Jan. 17, 1951.

National

Applicant claims ownership of Registrations Nos. 386,968, 392,505, and 401,680.

For Ink Remover.

Claims use since Aug. 16, 1949.

Ser. No. 608,890. The National Cash Register Company, Dayton, Ohio. Filed Jan. 17, 1951.

Applicant claims ownership of Registrations Nos. 366,464 and 377,183.

For Ink Remover.

Claims use since Aug. 16, 1949.

Ser. No. 609,904. Agava Products, Inc., Jersey City, N. J. Filed Feb. 10, 1951.

AGAVA

For Liquid Cleansing Compound and Conditioner, for Drains, Radiators, Boilers, and Air Conditioners.

Claims use since Mar. 6, 1950.

Ser. No. 614,339. Margaret Douglas, Brooklyn, N. Y. Filed May 25, 1951.

"MAG"

For Powdered Soap for Use as a Laundry Soap and for Washing Painted Surfaces and Porcelain.

Claims use since Mar. 22, 1951.

Ser. No. 615,518. Shine Boy Products, Philadelphia, Pa. Filed May 17, 1951.

ShineBoy

The word "Shine" is disclaimed.
For Shoe Cleaners in Liquid and Paste Form.
Claims use since July 15, 1947.

Ser. No. 615,557. K & N Supply Company, Inc., Plymouth, Ind. Filed June 22, 1951.

KNK

For Industrial Cleaning Compound.
Claims use since May 25, 1951.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 594,552. Kappa Alpha Theta Fraternity, Chicago, Ill. Filed Mar. 24, 1950. COLLECTIVE MARK.



Applicant claims ownership of Registration No. 292,053.
For Organizing of Chapters and Alumnae Groups in a National Collegiate Fraternity and Maintaining Membership Therein.
Claims use since Jan. 27, 1870.

Ser. No. 603,565. Alpha Chi Rho Fraternity, New York, N. Y. Filed Sept. 15, 1950. COLLECTIVE MARK.

ALPHA CHI RHO

For Organizing of Chapters in a National Collegiate Fraternity and Maintaining Membership Therein.
Claims use since June 1895.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 580,854. Robert Arthur Perrott, Brunswick, Ga. Filed June 21, 1949.

THE SILVER DOLLAR MAN

For Advertising the Goods and Services of Others Through a Composite Quiz and Musical Variety Radio Broadcast Program.
Claims use since June 1948.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 618,249. Standard Crankshaft & Hydraulic Co., Inc., Charlotte, N. C. Filed Aug. 30, 1951.

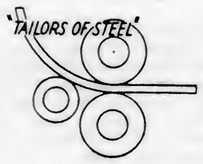
"ARCWELL"

For Crankshaft Repair and Rebuilding Service.
Claims use since Jan. 1, 1949.

CLASS 106

MATERIAL TREATMENT

Ser. No. 591,311. Pacific Coast Engineering Company, Alameda, Calif. Filed Jan. 23, 1950.



The words "Tailors of Steel" are disclaimed.
For Custom Fabrication of Metal Goods—Namely, Machinery, Plant Equipment, Mining and Refinery Equipment, Sterilizer Vessels, Heat Exchangers, Pipes, Joints, Cookers and Coolers, Tanks and Hoppers, Scales, Valves, Truck Dumpers and Truck Tanks, and Other Metal Articles on Customers' Order and to Specification.
Claims use since Sept. 27, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,689. Paper Tablets, Papeteries—i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put up in Boxes, Portfolios, or Banded Packages, and Envelopes. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,041. Published Jan. 1, 1952. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

558,586. Gears of Various and Special Types, Angle Fixtures for Small Machine Tools, Such as Drills, Stoker Transmission Assemblies and Parts for Same, Metal Working Tools, and Special Mechanical Shafting With Any of the Aforesaid. Chas. Drexler Co., Inc., Indianapolis, Ind.
Original filed, act of 1905, Mar. 15, 1945; amended to application under act of 1946, Principal Register, May 18, 1948. Serial No. 480,949. Published Jan. 22, 1952. Class 23.

558,587. Flush Valve Bulbs. J. A. Sexauer Mfg. Co., Inc., New York, N. Y.
Original filed, act of 1905, July 8, 1946; amended to application under act of 1946, Principal Register, Jan. 26, 1948, Serial No. 505,247. Published Feb. 19, 1952. Class 13.

558,588. Infants' Crib Mattresses. Bunny Bear, Inc., Everett, Mass., assignee of Rand Rubber Company, Inc.
Original filed, act of 1905, Nov. 26, 1946; amended to application under act of 1946, Principal Register, Feb. 9, 1950, Serial No. 513,274. Published Jan. 8, 1952. Class 32.

558,589. Non-Alcoholic Carbonated Beverage Sold as a Soft Drink and for a Syrup for Making the Same. The Dixi-Cola Company, Baltimore, Md.
Filed July 7, 1947, Serial No. 528,090. Published Aug. 17, 1948. Class 45.

558,590. Clarifiers of Lubricating Oils for Engines, and Oil Clarifier Refills. The Briggs Filtration Company, Washington, D. C.
Filed Aug. 15, 1947, Serial No. 531,431. Published Jan. 29, 1952. Class 31.

558,591. Canned Tuna, Sardines, and Pilchards. James J. Funsten, doing business as Funsten Company, San Francisco, Calif.
Filed Oct. 20, 1947, Serial No. 538,391. Published Oct. 3, 1950. Class 46.

558,592. Hydraulic Equipment—Namely, Hydraulic Jacks; Hydraulic Rams; Etc. Blackhawk Mfg. Co., Milwaukee, Wis.
Filed Oct. 24, 1947, Serial No. 538,864. Published Feb. 5, 1952. Class 23.

558,593. Partially Printed Record Forms for Use in Autographic Registers. Roy R. Smith, doing business as Econo-Pak Register Company, Kansas City, Mo.
Filed Nov. 7, 1947, Serial No. 540,475. Published Jan. 15, 1952. Class 37.

558,594. Mailing, Correspondence, and Filing Envelopes, Letterheads, Billheads, Blank Books, Blotters, Mailing and Filing Folders, and Portfolios of Paper or Paper Board. Gaw-O'Hara Envelope Co., Chicago, Ill.
Filed Dec. 31, 1947, Serial No. 545,840. Published Feb 12, 1952. Class 37.

558,595. Mailing, Correspondence, and Filing Envelopes, Letterheads, Billheads, Blank Books, Blotters, Mailing and Filing Folders, and Portfolios of Paper or Paper Board. Gaw-O'Hara Envelope Co., Chicago, Ill.
Filed Dec. 31, 1947, Serial No. 545,841. Published Jan. 29, 1952. Class 37.

558,596. Paper Tablets; Loose Writing Paper for School or Office Use Put Up in Wrapped Packages, Boxes, or Banded; Etc. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed Dec. 31, 1947, Serial No. 545,924. Published Feb. 12, 1952. Class 37.

558,597. Power Mowers. Farm and Ranch, Inc., Kansas City, Mo.
Filed Jan. 19, 1948, Serial No. 547,437. Published Jan. 22, 1952. Class 23.

558,598. Beer. Berghoff Brewing Corporation, Fort Wayne, Ind.
Filed Jan. 27, 1948, Serial No. 548,043. Published Feb. 12, 1952. Class 48.

558,599. Ladies' Panties. The Belk Brothers Company, Charlotte, N. C.
Filed Jan. 29, 1948, Serial No. 548,231. Published Feb. 19, 1952. Class 39.

558,600. Men's and Women's Shoes. Carson Pirie Scott & Company, Chicago, Ill.
Filed Mar. 15, 1948, Serial No. 551,938. Published Feb. 6, 1951. Class 39.

558,601. Oils, Chemicals, Softeners, and Finishers for Wet Processing of Textile Fibers, Etc. Arkansas Company, Inc., Newark, N. J.
Filed Mar. 17, 1948, Serial No. 552,110. Published Jan. 8, 1952. Class 6.

558,602. Wallpapers With Various Designs Thereon. Morris Wilner, Pittston, Pa.
Filed Mar. 26, 1948, Serial No. 553,158. Published Jan. 15, 1952. Class 37.

558,603. Beer. Piel Bros., East New York and Brooklyn, N. Y.
Filed Apr. 22, 1948, Serial No. 555,298. Published Feb. 12, 1952. Class 48.

558,604. Beer. Piel Bros., East New York and Brooklyn, N. Y.
Filed Apr. 22, 1948, Serial No. 555,299. Published Feb. 12, 1952. Class 48.

558,605. Maltless Soft Drinks—Namely, Imitation Strawberry, Imitation Grape, Imitation Orange, Imitation Cream Soda, and Imitation Cherry. The Perfection Company, Ltd., Waco, Tex.
Filed Apr. 23, 1948, Serial No. 555,444. Published Feb. 12, 1952. Class 45.

558,606. Baby Oil, Baby Cream, and Baby Powder. International Latex Corporation, Dover, Del.
Filed May 28, 1948, Serial No. 558,031. Published Jan. 22, 1952. Class 51.

558,607. Asbestos Fibre Roof Coating and Plastic Asbestos Roof Cement. The American Lubricants Company, doing business as Tiffany Asphalt and Grease Works, Dayton, Ohio.
Filed July 16, 1948, Serial No. 561,546. Published Jan. 15, 1952. Class 12.

558,608. Sinks, Trays of Sheet Metal, Soap Dishes for Mounting on Sink Backs, Drain Bowls, Traps, Strainers, Petcocks, Valves To Regulate Flow of Liquid, Faucets, Hard Rubber Hose Cocks, Hot and Cold Water Manifolds, Safety Shower Heads, Pipe Racks, and Stanchions for Supporting Pipes. Laboratory Furniture Company, Inc., Long Island City, N. Y.
Filed July 23, 1948, Serial No. 562,071. Published Feb. 12, 1952. Class 13.

558,609. Wrapping Paper. Kalamazoo Vegetable Parchment Co., Parchment, Mich.
Filed July 26, 1948, Serial No. 562,196. Published Feb. 12, 1952. Class 37.

558,610. Gin. New England Distillers, Incorporated, Clinton, Mass.
Filed Aug. 4, 1948, Serial No. 562,791. Published Jan. 8, 1952. Class 49.

558,611. Aperitive Wine With Quinquina. Kina Rok, Charenton (Seine), France.
Filed Aug. 9, 1948, Serial No. 563,069. Published Feb. 12, 1952. Class 47.

558,612. Garden Umbrellas. The Finkel Umbrella Frame Company, Inc., New York, N. Y.
Filed Aug. 18, 1948, Serial No. 563,672. Published Feb. 26, 1952. Class 32.

558,613. Chemicals, Medicines, and Pharmaceutical Preparations—Namely, Botanical Drugs, Etc. S. B. Penick & Company, New York, N. Y.
Filed Sept. 18, 1948, Serial No. 565,446. Published Feb. 12, 1952. Class 18.

558,614. Orange-Flavored Syrups and Bases Used in the Preparation of Non-Alcoholic Maltless Soft Drinks. Orange Food Products, Inc., Dorchester, Mass.
Filed Sept. 22, 1948, Serial No. 565,647. Published Jan. 15, 1952. Class 45.

558,615. Floor Brushes. Alwin Brush & Supply Company, Milwaukee, Wis.
Filed Sept. 30, 1948, Serial No. 566,114. Published Jan. 8, 1952. Class 29.

558,616. Mechanical Pencils and Leads. Dur-O-Lite Pencil Co., Melrose Park, Ill.
Filed Oct. 12, 1948, Serial No. 566,864. Published Dec. 25, 1951. Class 37.

558,617. Non-Alcoholic Maltless Carbonated Beverages Sold as Soft Drinks. Union Bottling Company, Memphis, Tenn.
Filed Oct. 12, 1948, Serial No. 566,899. Published Feb. 5, 1952. Class 45.

558,618. Hand Cleaner. Viscosity Oil Company, Chicago, Ill.
Filed Oct. 22, 1948, Serial No. 567,476. Published Feb. 19, 1952. Class 52.

558,619. Textile Bandages Impregnated Throughout and on Both Faces With Anti-Corrosives, for Wrapping Metal Pipes, Cables in the Earth and, in General, All Surfaces Subjected to Corrosive Actions Either in a Chemical or in an Electrochemical or Electrolytic Way. Winn & Coales Limited, Kent, England.
Filed Nov. 6, 1948, Serial No. 568,338. Published Jan. 22, 1952. Class 12.

558,620. Battery Cable Display Racks. The Pure Oil Company, Chicago, Ill.
Filed Nov. 12, 1948, Serial No. 568,660. Published Feb. 26, 1952. Class 32.

558,621. Hydraulic Surge Control Apparatus—Namely, Hydro-Pneumatic Accumulators, Pilot Line Control Apparatus—Namely, Pneumatic Controlled Diaphragm Valves and Relief Valves for Pumping Systems. Snyder Oil Tool Corporation, Los Angeles, Calif.
Filed Nov. 12, 1948, Serial No. 568,677. Published Feb. 19, 1952. Class 13.

558,622. Pyrophoric Cigar Lighters and Parts Thereof. Thorens Company, New Hyde Park, N. Y.
Filed Dec. 7, 1948, Serial No. 570,134. Published Feb. 5, 1952. Class 8.

558,623. Fresh Deciduous Fruits. Wenatchee Wenoka Growers Assn., Wenatchee, Wash.
Filed Dec. 8, 1948, Serial No. 570,238. Published Feb. 12, 1952. Class 46.

558,624. Men's Sport Shirts. Reliance Manufacturing Company, Chicago, Ill.
Filed Dec. 10, 1948, Serial No. 570,320. Published June 26, 1951. Class 39.

558,625. Group A—Desk Pads and Blotters, Photograph Folders, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 14, 1948, Serial No. 570,521. Published Feb. 12, 1952. Class 37.

558,626. Electrical Signal Generators, and Parts Thereof. Ferris Instrument Company, Boonton, N. J.
Filed Nov. 6, 1948, Serial No. 571,385. Published Jan. 1, 1952. Class 26.

558,627. Rubber Heels. Victor Products Corporation of Pennsylvania, Gettysburg, Pa.
Filed Jan. 4, 1949, Serial No. 571,624. Published Mar. 14, 1950. Class 39.

558,628. General Cleaning Compound Comprising Granular Material and Soap. Century Metalcraft Corporation, Los Angeles, Calif.
Filed Feb. 7, 1949, Serial No. 573,518. Published Feb. 19, 1952. Class 52.

558,629. Machine for the Heat-Treating of Metal Parts. The Cincinnati Milling Machine Co., Cincinnati, Ohio.
Filed Feb. 21, 1949, Serial No. 574,210. Published Feb. 5, 1952. Class 34.

558,630. Toilet Tissue. National Paper Corporation of Pennsylvania, Ransom, Pa.
Filed Mar. 8, 1949, Serial No. 575,079. Published Jan. 1, 1952. Class 37.

558,631. Toilet Tissue, Paper Towels, Paper Napkins, Facial Tissues. National Paper Corporation of Pennsylvania, Ransom, Pa., and New York, N. Y.
Filed Mar. 8, 1949, Serial No. 575,080. Published Jan. 1, 1952. Class 37.

558,632. Sewage Disposal Systems and Parts Thereof—Namely, Separators for Grease, Greasy Sludge, Etc. Gordon Sanitary Systems Corporation, Chicago, Ill.
Filed Mar. 10, 1949, Serial No. 575,209. Published Feb. 5, 1952. Class 13.

558,633. Christian Educational Sound Motion Pictures Produced by the Association. Ambassador Christian Educational Film Association, Chicago, Ill.
Original filed, act of 1946, Supplemental Register, Jan. 14, 1949; amended to application, Principal Register, May 3, 1951, Serial No. 575,799. Published Jan. 1, 1952. Class 26.

558,634. Beer and Ale. Atlas Brewing Company, Chicago, Ill.
Filed Mar. 25, 1949, Serial No. 576,028. Published Jan. 8, 1952. Class 48.

558,635. Brass and Silver Polishes. Colonial Chemical Co., Inc., Seattle, Wash.
Filed Mar. 25, 1949, Serial No. 576,040. Published Feb. 19, 1952. Class 4.

558,636. Butterfly Flapper Valves. Mud Products, Inc., Tulsa, Okla.
Filed Apr. 2, 1949, Serial No. 576,548. Published Feb. 12, 1952. Class 13.

558,637. Utility Bags of Leather and Imitation Leather for Carrying Babies' Accessories, Etc. The Apollo Company Inc., Detroit, Mich.
Filed Mar. 30, 1949, Serial No. 576,605. Published Jan. 22, 1952. Class 3.

558,638. Wines. T. G. Bright & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada.
Priority under Sec. 44(d). Canadian Registration No. 33,145, filed Feb. 18, 1949.
Filed Apr. 5, 1949, Serial No. 576,619. Published Jan. 1, 1952. Class 47.

558,639. Wines. T. G. Bright & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada.
Filed Apr. 5, 1949, Serial No. 576,624. Published Jan. 1, 1952. Class 47.

558,640. Port Wine. Robertson Bros. & Co. Limited, London, England.
Filed Apr. 13, 1949, Serial No. 577,070. Published Feb. 12, 1952. Class 47.

558,641. Multiple Purpose Hassock and Storage Chest. Ero Manufacturing Company, Chicago, Ill.
Filed Apr. 27, 1949, Serial No. 577,780. Published Feb. 26, 1952. Class 32.

558,642. Coin Cases, Card Cases, Key Cases, Key Kits Sold Empty, and Purses. John E. Steere, doing business as Steere Enterprises, Hollywood, Calif.
Filed Apr. 30, 1949, Serial No. 578,057. Published Jan. 22, 1952. Class 3.

558,643. Costume Jewelry—Namely, Necklaces, Choker Sets, Bracelets, and Ear Ring Sets. Louis Fleischmann, New York, N. Y.
Filed May 7, 1949, Serial No. 578,432. Published Apr. 4, 1950. Class 28.

558,644. Metal Polish. John Freiburg & Co., doing business under the fictitious firm name of John C. Charles Co., Los Angeles, Calif.
Filed May 9, 1949, Serial No. 578,670. Published Feb. 19, 1952. Class 4.

558,645. Toy Make-Up or Beauty Kits. Cadillac Toy Mfg. Co., New York, N. Y., assignor to Cadillac Toy Mfg. Co., Inc., New York, N. Y., a corporation of New York.
Filed May 21, 1949, Serial No. 579,258. Published Jan. 29, 1952. Class 22.

558,646. Combination Machines for Freezing and Dispensing Frozen Confections. Claude A. Reed, Omaha, Nebr., assignor to Whirla-Whip, Inc., Omaha, Nebr., a corporation of Delaware.
Filed June 14, 1949, Serial No. 580,428. Published Dec. 4, 1951. Class 31.

558,647. Poultry House Heating and Ventilating Equipment—Namely, Hot Air Furnaces, Blowers, Exhaust Fans, Warm Air Ducts, and Outlet Funnels. Romair, Inc., Lancaster, Pa.
Filed June 22, 1949, Serial No. 580,903. Published Jan. 22, 1952. Class 34.

558,648. Non-Alcoholic, Maltless Fruit Punches and Fruit Flavored Soft Drinks, Such as Orange, Grape, Raspberry, Strawberry and for Syrups Used in Making the Same. Perkel Food Products Co., Portland, Oreg.
Filed July 1, 1949, Serial No. 581,439. Published Jan. 1, 1952. Class 45.

558,649. Watches, Watch Cases, and Parts Thereof. Chesterfield Watch Corp., New York, N. Y.
Filed July 13, 1949, Serial No. 581,866. Published Dec. 25, 1951. Class 27.

558,650. Loose Curled Hair, Woven or Interlaced Curled Hair, and Rubberized Curled Hair Sold in Bulk for Use in Filling Upholstery. Blocksom & Company, Michigan City, Ind.
Filed July 15, 1949, Serial No. 582,016. Published Dec. 25, 1951. Class 1.

558,651. Wines. Schenley Distillers Corporation, doing business as Weston Winery, New York, N. Y., and Fresno, Calif.; said Schenley Distillers Corporation now by change of name Schenley Industries, Inc.
Filed July 19, 1949, Serial No. 582,187. Published Jan. 1, 1952. Class 47.

558,652. Wines. Schenley Distillers Corporation, doing business as Weston Winery, New York, N. Y., and Fresno, Calif.; said Schenley Distillers Corporation now by change of name Schenley Industries, Inc.
Filed July 19, 1949, Serial No. 582,188. Published Jan. 1, 1952. Class 47.

558,653. Note Books, Composition Books, and Columnar Pads. Wilson Jones Company, Chicago, Ill.
Filed July 20, 1949, Serial No. 582,227. Published Jan. 1, 1952. Class 37.

558,654. Electrical Apparatus for the Measurement and Diagnosis of Vibration and Noise. Aircraft Electronics Associates, Incorporated, Hartford, Conn.
Filed Aug. 5, 1949, Serial No. 583,015. Published Jan. 1, 1952. Class 26.

558,655. Watches and Watch Movements. Juillerat Freres S. A., Berne, Switzerland.
Filed Aug. 6, 1949, Serial No. 583,097. Published Dec. 25, 1951. Class 27.

558,656. Portable Air-Powered Pumps for Handling Paint or the Like and Parts and Accessories Therefor—Namely, Housings, Bases, Pump-Gears, Filters, Hoses, Couplings, Shut-Off Valves and Regulator-Valves and Gages, Sold as a Unit, and Portable Air-Powered Pumps. Gray Company, Inc., Minneapolis, Minn.
Filed Aug. 9, 1949, Serial No. 583,197. Published Feb. 5, 1952. Class 23.

558,657. Grape Juice, and Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making Same. National Retailer-Owned Grocers, Inc., Chicago, Ill.
Filed Aug. 10, 1949, Serial No. 583,277. Published Jan. 8, 1952. Class 45.

558,658. Rouge, Face Powder, Perfume, Toilet Water, Bath Powder, Bath Salts, Etc. Leonard Friedberg, New York, N. Y.
Filed Aug. 11, 1949, Serial No. 583,339. Published Jan. 22, 1952. Class 51.

558,659. Toothbrushes. Lactona Incorporated, St. Paul, Minn.
Filed Sept. 2, 1949, Serial No. 584,408. Published Jan. 8, 1952. Class 29.

558,660. Upper Leather. Armour and Company, doing business under the trade style Armour Leather Company, Chicago, Ill., and Sheboygan, Wis.
Filed Sept. 9, 1949, Serial No. 584,605. Published Dec. 25, 1951. Class 1.

558,661. Lager Beer. Gulf Brewing Company, Houston, Tex.
Filed Sept. 26, 1949, Serial No. 585,325. Published Jan. 1, 1952. Class 48.

558,662. Cabinets for Office, Factory, Store, and House Use; Chests of Drawers; Storage Lockers; Shelving Units; Cupboards, All the Aforementioned Goods Being Made of Wood and/or Metal. Oskar Harald Lundqvist, Stockholm, Sweden.
Filed Sept. 28, 1949, Serial No. 585,454. Published Feb. 26, 1952. Class 32.

558,663. Suspenders and Garters. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed Oct. 7, 1949, Serial No. 585,930. Published Jan. 22, 1952. Class 39.

558,664. Cast Metal Ash Trays and Cigarette Servers. Rife-Loth Corporation, Waynesboro, Va.
Filed Oct. 8, 1949, Serial No. 586,013. Published Jan. 29, 1952. Class 8.

558,665. Crib Mattresses. Allen Industries, Incorporated, Detroit, Mich.
Filed Oct. 18, 1949, Serial No. 586,454. Published Feb. 26, 1952. Class 32.

558,666. Rocking Horses. Lyell D. Henry, Ames, Iowa.
Filed Oct. 24, 1949, Serial No. 586,751. Published Feb. 19, 1952. Class 22.

558,667. Metal Furniture and Office Equipment—Namely, Filing and Storage Cases, Filing and Storage Cabinets, Tables, Desks. Corry-Jamestown Manufacturing Corporation, Corry, Pa.
Filed Oct. 17, 1949, Serial No. 587,161. Published Feb. 26, 1952. Class 32.

558,668. Stalk Cutters. Claude R. Perry, doing business as The Perry Company, Waco, Tex.
Filed Nov. 7, 1949, Serial No. 587,444. Published Sept. 12, 1950. Class 23.

558,669. Detergent Laundry Compound Having Incidental Water Softening Properties. R. W. Thomson, doing business as Thomson Chemical Company, Lima, Ohio, assignor to Thomson Chemical Company, Lima, Ohio, a corporation of Ohio.
Filed Dec. 10, 1949, Serial No. 589,177. Published Dec. 26, 1950. Class 52.

558,670. Gun-Type Hand Tool for Dispensing Plastic Material, Such as, Caulking Compound. Vital Products Manufacturing Company, Cleveland, Ohio.
Filed Dec. 14, 1949, Serial No. 589,349. Published Jan. 22, 1952. Class 23.

558,671. Rum. Lemon Hart & Son Limited, London, England.
Filed Dec. 16, 1949, Serial No. 589,445. Published Feb. 12, 1952. Class 49.

558,672. Gas Operated Incinerators for Domestic Use. Autogas Company, Chicago, Ill.
Filed Dec. 19, 1949, Serial No. 589,552. Published Feb. 5, 1952. Class 34.

558,673. Plywood. Zero Plywood Corp., Los Angeles, Calif., assignor, by court order, to United States Plywood Corporation, a corporation.
Filed Dec. 19, 1949, Serial No. 589,614. Published Dec. 18, 1951. Class 12.

558,674. Preparation for the Treatment of Bladder Infections. Borcherdt Malt Extract Company, Chicago, Ill.
Filed Dec. 20, 1949, Serial No. 589,632. Published Dec. 18, 1951. Class 18.

558,675. Gasoline, Kerosene, Lubricating Oils and Greases, Etc. Ashland Oil & Refining Company, Ashland, Ky.
Filed Jan. 23, 1950, Serial No. 591,273. Published Jan. 8, 1952. Class 15.

558,676. Coated Papers. Fraser Paper, Limited, Madawaska, Maine.
Filed Feb. 4, 1950, Serial No. 591,985. Published Jan. 1, 1952. Class 37.

558,677. Boys' Underwear. The Owenby Manufacturing Company, Marietta, Ga.
Filed Feb. 9, 1950, Serial No. 592,219. Published Feb. 19, 1952. Class 39.

558,678. Turf-Retaining Member for the Soil Penetrating Elements of a Cultivating Apparatus for Holding the Turf in Place During Operation of the Penetrating Elements. West Point Lawn Products, West Point, Pa.
Filed Feb. 16, 1950, Serial No. 592,588. Published Feb. 5, 1952. Class 23.

558,679. Heating, Ventilating, and Air Conditioning Fans and Blowers, and Air Washers. The Bishop & Babcock Manufacturing Company, Cleveland, Ohio.
Filed Feb. 21, 1950, Serial No. 592,801. Published Feb. 5, 1952. Class 34.

558,680. Mechanical Rug Hookers, Rug Hooks, and Rug Frames. John E. Garrett, Inc., Malden, Mass.
Filed Feb. 27, 1950, Serial No. 593,113. Published Jan. 29, 1952. Class 23.

558,681. Medicated Wadding for the Treatment of Rheumatic Pains, Neuralgia, Bronchitis, Lumbago, Neuritic Pains, Sciatica, and Chest Colds. Reilly, Olcott & Company, Oneida, N. Y.
Filed Feb. 27, 1950, Serial No. 593,140. Published Dec. 18, 1951. Class 18.

558,682. Hair Brushes, Shaving Brushes, Nail Brushes, Tooth Brushes, and Clothes Brushes. Henderson Bros. & Company Limited, London, England.
Filed Mar. 8, 1950, Serial No. 593,594. Published Jan. 1, 1952. Class 29.

558,683. Artificial and Synthetic Perfumery Compositions; Natural and Synthetic Essential Oils Used as a Base or as an Ingredient in Perfumery; Aromatic Chemicals From Natural or Other Sources Used as an Ingredient in Perfumery; Specialties Composed of Combinations of Artificial Synthetic Perfumery Materials With Natural and Synthetic Essential Oils and Aromatic Chemicals From Natural or Other Sources. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 9, 1950, Serial No. 593,664. Published Jan. 8, 1952. Class 51.

558,684. Bedroom, Living Room, Dining Room, and Kitchen Furniture—Namely, Beds, Sofas, Couches, Love Seats, Chairs, Tables, Stools, Wardrobes, Chests, Commodes, Benches, and Cabinets. Bernard G. Mesberg, doing business under the firm name and style of B. G. Mesberg, New York, N. Y.
Filed Mar. 10, 1950, Serial No. 593,736. Published Feb. 26, 1952. Class 32.

558,685. Board Games Played With Playing Cards and Game Pieces. Irving Fiedler, Hollywood, Calif.
Filed Mar. 17, 1950, Serial No. 594,111. Published Feb. 26, 1952. Class 22.

558,686. Hammermills, Disintegrating Machines, Granulating Machines, Permanently Mounted Grinding Machines, and Parts Thereof. Pulva Corporation, Perth Amboy, N. J.
Filed Mar. 18, 1950, Serial No. 594,233. Published Jan. 29, 1952. Class 23.

558,687. Powder for Treating Athlete's Foot and Certain Other Foot Ailments and Certain Skin Infections. William J. Starck, doing business as Blemarz Laboratories, South Bend, Ind.
Filed Mar. 20, 1950, Serial No. 594,295. Published Dec. 25, 1951. Class 18.

558,688. Laundry Detergents. Pacific Compound and Manufacturing Company, Seattle, Wash., assignor to Thomson Chemical Company, Lima, Ohio, a corporation of Ohio.
Filed Mar. 21, 1950, Serial No. 594,330. Published Mar. 27, 1951. Class 52.

558,689. Compound Composition for Seed Disinfectant. Plant Protection Limited, Yalding, England.
Filed Mar. 24, 1950, Serial No. 594,581. Published Apr. 24, 1951. Class 6.

558,690. Cleaning Mit. Lois S. Adams, New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,610. Published Jan. 8, 1952. Class 29.

558,691. Ale. The Croft Brewing Company, Wilmington, Del., and Boston, Mass.
Filed Mar. 25, 1950, Serial No. 594,620. Published Jan. 1, 1952. Class 48.

558,692. Ale. The Croft Brewing Company, Wilmington, Del., and Boston, Mass.
Filed Mar. 25, 1950, Serial No. 594,621. Published Jan. 1, 1952. Class 48.

558,693. Shampoo. Golden Glint Company, Seattle, Wash.
Filed Mar. 27, 1950, Serial No. 594,712. Published Feb. 19, 1952. Class 52.

558,694. Coin-Controlled Amusement Apparatus of the Bowling Game Type. Exhibit Supply Company, Chicago, Ill.
Filed Apr. 12, 1950, Serial No. 595,596. Published Jan. 29, 1952. Class 22.

558,695. Wines. Ellis Brothers, Inc., Chicago, Ill.
Filed Apr. 17, 1950, Serial No. 595,830. Published Jan. 8, 1952. Class 47.

558,696. Apparatus for Measuring Distances by Reflected Sound Waves or by Similar Acoustic Methods and Particularly for Apparatus Determining Depths of Water and Soundings. Raytheon Manufacturing Company, Newton, Mass.
Filed Apr. 19, 1950, Serial No. 595,983. Published Jan. 1, 1952. Class 26.

558,697. Soybean Oil Meal for Non-Food Industrial Uses. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Apr. 20, 1950, Serial No. 596,021. Published Dec. 25, 1951. Class 1.

558,698. Pharmaceutical Preparation Designed for Treatment of Pernicious Anemia and Other Deficiency States. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,596. Published Dec. 25, 1951. Class 18.

558,699. Baseballs, Baseball Bats, and Baseball Gloves. Kennedy Brothers Arms Co., Inc., St. Paul, Minn.
Filed May 1, 1950, Serial No. 596,669. Published Feb. 12, 1952. Class 22.

558,700. Brushes Having Brass Wire Bristles Therein for Use as Cleaning Brushes, Automobile Brushes, Clothes Brushes, and General Utility Brushes. National Brush Company, Aurora, Ill.
Filed May 2, 1950, Serial No. 596,746. Published Jan. 1, 1952. Class 29.

558,701. Insecticide Sprayers, in the Nature of Attachments for Cultivators. Dakota Steel Products Co., Sioux Falls, S. Dak.
Filed May 3, 1950, Serial No. 596,780. Published Jan. 22, 1952. Class 23.

558,702. Tractors Incorporating an Air Compressor Unit Which May Be Used as a Tractor or as a Source of Power for Air Operated Tools. Schramm, Inc., West Chester, Pa.
Filed May 4, 1950, Serial No. 596,868. Published Jan. 29, 1952. Class 23.

558,703. Heavy-Bodied Lubricating Grease. Panther Oil & Grease Mfg. Co., Fort Worth, Tex.
Filed May 5, 1950, Serial No. 596,937. Published Jan. 15, 1952. Class 15.

558,704. Clothes Brushes. Stanley Home Products, Inc., Westfield, Mass.
Filed May 6, 1950, Serial No. 597,021. Published Feb. 12, 1952. Class 29.

558,705. Toy Holsters and Toy Holster Sets. Western Corral Industries, Chicago, Ill.
Filed May 6, 1950, Serial No. 597,031. Published Feb. 5, 1952. Class 22.

558,706. Wines. House of Old Molineaux, Inc., Boston, Mass.
Filed May 9, 1950, Serial No. 597,148. Published Jan. 8, 1952. Class 47.

558,707. Athletic Balls, or Carcasses Therefor—Namely, Basketballs, Footballs, Soccer Balls, Volley Balls, and Water Polo Balls. The Sun Rubber Company, Barberton, Ohio.
Filed May 10, 1950, Serial No. 597,238. Published Feb. 5, 1952. Class 22.

558,708. Combination Shirt Wrapper and Collar Support Fabricated From Paper. Loroco Industries, Inc., Reading, Ohio.
Filed Apr. 17, 1950, Serial No. 597,369. Published Jan. 22, 1952. Class 37.

558,709. Medicinal Preparation for Use in the Treatment of Coronary Artery Diseases. The Maltine Company, Morris Plains, N. J., now by change of name, Chilcott Laboratories, Inc.
Filed May 18, 1950, Serial No. 597,689. Published Dec. 25, 1951. Class 18.

558,710. Metal Flat Band Strapping for Boxes, Bales, Packages, and the Like. General Strapping Corporation, New York, N. Y.
Filed May 24, 1950, Serial No. 598,011. Published Feb. 19, 1952. Class 13.

558,711. Ointment for Athlete's Foot and Fungus Infections. Edward M. Quinn, doing business under the name and style of T & M Laboratories, San Francisco, Calif.
Filed May 24, 1950, Serial No. 598,037. Published Dec. 25, 1951. Class 18.

558,712. Clocks. Kalex Corporation, New York, N. Y.
Filed May 27, 1950, Serial No. 598,259. Published June 12, 1951. Class 27.

558,713. Bay Rum. West Indies Bay Company, Minneapolis, Minn.
Filed May 29, 1950, Serial No. 598,336. Published Jan. 22, 1952. Class 51.

558,714. Women's Skirts and Blouses. Jackie Nimble, Inc., Dallas, Tex.
Filed May 31, 1950, Serial No. 598,367. Published Feb. 19, 1952. Class 39.

558,715. Paper and Cards for Use in Duplicating Machines and Processes. Lincoln Paper Company, Chicago, Ill.
Filed June 5, 1950, Serial No. 598,590. Published Feb. 12, 1952. Class 37.

558,716. Billiard Tables and Parts Thereof, and Accessories Therefor—Namely, Cues, Cue Racks, Cue Stands, Cue Bridges, Cue Points, Cue Tips, Cue Protectors, Cue Clamps, Balls, Chalk, and Chalk Holders. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed June 10, 1950, Serial No. 598,881. Published Feb. 26, 1952. Class 22.

558,717. Upholstered Furniture, Particularly Chairs, Sofas, Davenports, and Sofa-Beds. Castro Decorators, Inc., New York, N. Y.
Filed June 10, 1950, Serial No. 598,884. Published Feb. 26, 1952. Class 32.

558,718. Chemically Treated Paper Indicators Which Are Adapted To Change Color When Subjected to a Predetermined Time-Temperature Exposure. Aseptic-Thermo Indicator Co., Los Angeles, Calif.
Filed June 12, 1950, Serial No. 598,941. Published Feb. 26, 1952. Class 6.

558,719. Alcoholic Beverages—Namely, Prepared Cocktails. The Crosse & Blackwell Company, Baltimore, Md.
Filed June 13, 1950, Serial No. 598,986. Published Feb. 12, 1952. Class 49.

558,720. Cologne. Stuart, Inc., St. Paul, Minn.
Filed June 14, 1950, Serial No. 599,129. Published Feb. 19, 1952. Class 51.

558,721. Mimeograph Paper and Bristol Paper. Inland Empire Paper Company, Millwood, Wash.
Filed June 16, 1950, Serial No. 599,244. Published Jan. 8, 1952. Class 37.

558,722. Hassocks. B. T. Crump Company, Inc., Richmond, Va.
Filed June 26, 1950, Serial No. 599,749. Published Feb. 12, 1952. Class 32.

558,723. Aluminum Cooking Utensils—Namely, Pans, Skillets, Roasters, Casseroles, Kettles, Coffee Makers, and Griddles. West Bend Aluminum Co., West Bend, Wis.
Filed July 3, 1950, Serial No. 600,204. Published Sept. 18, 1951. Class 13.

558,724. Laminated and Veneered Plywood, Used in Displays, Show Window Backgrounds, Store Fixtures, Wall Paneling, Cupboard Doors, Furniture, and Similar Items. The Davis Plywood Corporation, Cleveland, Ohio.
Filed May 11, 1950, Serial No. 600,240. Published Feb. 5, 1952. Class 12.

558,725. Dolls. Jack Davis, New York, N. Y.
Filed July 11, 1950, Serial No. 600,469. Published Feb. 19, 1952. Class 22.

558,726. Tannic Acid, Insecticidal Aerosols, Bleaching Powder, Etc. International Minerals & Chemical Corporation, New York, N. Y., assignee of Innis, Speiden & Co.
Filed July 18, 1950, Serial No. 600,834. Published Feb. 5, 1952. Class 6.

558,727. Tannic Acid, Insecticidal Aerosols, Bleaching Powder, Etc. International Minerals & Chemical Corporation, New York, N. Y., assignee of Innis, Speiden & Co.
Filed July 18, 1950, Serial No. 600,835. Published Feb. 5, 1952. Class 6.

558,728. Pencils—Namely, Colored Pencils. L. & C. Hardtmuth, Inc., Bloomsbury, N. J.
Filed July 22, 1950, Serial No. 601,104. Published Jan. 15, 1952. Class 37.

558,729. Cleaning Solution Comprising an Emulsifiable Blend of Solvents Capable of Penetrating and Dissolving Resin Gums Which Are Present in Internal Combustion Engines, Soft Carbon, and Paints for Removal of Such Carbonaceous Residues and Oils, the Article To Be Cleaned Being Immersed in the Cleaning Solution for a Period Ranging From a Few Minutes to Several Hours. Chester Whitfield Smith, doing business under the name of Whitfield Chemical Company, Detroit, Mich.
Filed July 29, 1950, Serial No. 601,473. Published Jan. 15, 1952. Class 52.

558,730. Foot Lotion. On Your Toes, Inc., New York, N. Y., assignor to Randolph-Tenney, Inc., Chicago, Ill., a corporation of Illinois.
Filed Aug. 1, 1950, Serial No. 601,556. Published Jan. 15, 1951. Class 51.

558,731. Vitrified Dishware. Shenango Pottery Company, New Castle, Pa., assignor to Peoples First National Bank and Trust Company, Pittsburgh, Pa., a national banking association.
Filed Aug. 1, 1950, Serial No. 601,575. Published Nov. 6, 1951. Class 30.

558,732. Power Driven Sanding Machines for Wood Moulding and the Like. R. H. Bouligny, Inc., Charlotte, N. C.
Filed Aug. 2, 1950, Serial No. 601,596. Published Jan. 22, 1952. Class 23.

558,733. Partially Printed Forms. Charles R. Hadley Company, Los Angeles, Calif.
Filed Aug. 4, 1950, Serial No. 601,724. Published Feb. 5, 1952. Class 37.

558,734. Refrigeration Packaging Products—Namely, Wrapping Paper. International Harvester Company, Chicago, Ill.
Filed Aug. 5, 1950, Serial No. 601,795. Published Jan. 1, 1952. Class 37.

558,735. Orangeade and Lemonade. L. S. Heath & Sons, Inc., Robinson, Ill.
Filed Aug. 8, 1950, Serial No. 601,903. Published Feb. 12, 1952. Class 45.

558,736. Cutting Oils. Seydel-Woolley & Company, Atlanta, Ga.
Filed Aug. 15, 1950, Serial No. 602,220. Published July 17, 1951. Class 15.

558,737. Root Beer. Belfast Beverages, Inc., San Francisco, Calif.
Filed Aug. 22, 1950, Serial No. 602,543. Published Jan. 1, 1952. Class 45.

558,738. Synthetic Resins in Powdered and Paste Form for Use as Casting Materials for Producing Art Objects and Other Cast Articles. H. H. Robertson Company, Pittsburgh, Pa.
Filed Aug. 23, 1950, Serial No. 602,631. Published Jan. 8, 1952. Class 1.

558,739. Combination Windows. Alumatic Corporation of America, West Allis, Wis.
Filed Aug. 28, 1950, Serial No. 602,818. Published Jan. 22, 1952. Class 12.

558,740. Nonalcoholic Maltless Beverages Sold as Soft Drinks and Flavoring Syrups for Making the Same. Orange Smile Sirup Company, St. Louis, Mo.
Filed Aug. 28, 1950, Serial No. 602,852. Published July 10, 1951. Class 45.

558,741. Non-Alcoholic, Maltless Beverages Sold as Soft Drinks and Syrups for Making the Same. James J. Richardson, doing business as Richardson Products Co., Toledo, Ohio.
Filed Aug. 30, 1950, Serial No. 602,973. Published Jan. 1, 1952. Class 45.

558,742. Penicillin Products Administered Orally in the Treatment of Disease or Infectious Processes. Schenley Laboratories, Inc., New York, N. Y.
Filed Aug. 30, 1950, Serial No. 602,977. Published Jan. 8, 1952. Class 18.

558,743. Book Paper. Curtis Paper Company, Newark, Del.
Filed Sept. 7, 1950, Serial No. 603,223. Published Jan. 8, 1952. Class 37.

558,744. Hand Bags, Suit Cases, Overnight Bags, Trunks, Gladstones, Valises, Traveling Bags. Grainick Bros. Inc., Philadelphia, Pa.
Filed Sept. 7, 1950, Serial No. 603,229. Published Jan. 22, 1952. Class 3.

558,745. Wrapping Paper and Butchers' Paper. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Sept. 7, 1950, Serial No. 603,232. Published Dec. 25, 1951. Class 37.

558,746. Wrapping Paper. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Sept. 7, 1950, Serial No. 603,235. Published Jan. 1, 1952. Class 37.

558,747. Artificial Stone, Cement and Plaster for the Preparation of Pattern Plates, Loose Patterns and Odd-Sides, All for Use in the Foundry Trade. F. & M. Supplies Limited, London, England.
Filed Sept. 13, 1950, Serial No. 603,478. Published Jan. 22, 1952. Class 12.

558,748. Natural Mineral Water. The Crazy Water Company, Inc., Mineral Wells, Tex.
Filed Sept. 15, 1950, Serial No. 603,576. Published Jan. 22, 1952. Class 45.

558,749. Repellent for Flies and Insects. United Enterprises, Inc., doing business as Fli-Pel Company, Chicago, Ill.
Filed Sept. 15, 1950, Serial No. 603,581. Published Feb. 19, 1952. Class 6.

558,750. Window Cornices and Window Valances. Harold G. Jones, New York, N. Y.
Filed Sept. 18, 1950, Serial No. 603,686. Published Feb. 19, 1952. Class 32.

558,751. Paper Tablets; Account, Data or Order Books; Loose Writing Paper for School, Etc. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed Sept. 18, 1950, Serial No. 603,708. Published Jan. 1, 1952. Class 37.

558,752. Loose Leaf Binders. Federal Loose Leaf Corp., New York, N. Y.
Filed Sept. 22, 1950, Serial No. 603,880. Published Feb. 5, 1952. Class 37.

558,753. Writing Paper and Correspondence Envelopes. The Progress Lithographing Co., Reading, Ohio.
Filed Sept. 23, 1950, Serial No. 603,941. Published Feb. 5, 1952. Class 37.

558,754. Brake Fluid, Shock Absorber Fluid, and Bearing Blue. Van Cleef Bros., Inc., Chicago, Ill.
Filed Sept. 28, 1950, Serial No. 604,172. Published Feb. 12, 1952. Class 6.

558,755. Record Forms of Paper or the Like, With or Without Interleaved Transfer Material—Viz, Record Sheets or Forms, Etc. Moore Business Forms, Inc., Niagara Falls and Elmira, N. Y., and Emeryville and Los Angeles, Calif.
Filed Sept. 29, 1950, Serial No. 604,213. Published Jan. 1, 1952. Class 37.

558,756. Motor Oil. Consumers Petroleum Company, Indianapolis, Ind.
Filed Oct. 5, 1950, Serial No. 604,467. Published Jan. 15, 1952. Class 15.

558,757. Fishing Lines, Fishing Rods, and Fishing Creels. The Whitney Sporting Goods Company, Denver, Colo.
Filed Oct. 9, 1950, Serial No. 604,676. Published Jan. 29, 1952. Class 22.

558,758. Vertical Window-Shades of the Adjustable Louver Type. Youngstown Industries, Inc., Girard, Ohio.
Filed Oct. 9, 1950, Serial No. 604,678. Published Jan. 29, 1952. Class 32.

558,759. Bed Sheets and Sheeting. Southeastern Textile Company, Inc., Griffin, Ga.
Filed Oct. 12, 1950, Serial No. 604,812. Published Feb. 19, 1952. Class 42.

558,760. Herbicide. Shell Chemical Corporation, New York, N. Y.
Filed Oct. 14, 1950, Serial No. 604,935. Published July 10, 1951. Class 6.

558,761. Suitcases, Weekend Cases, Wardrobe Trunks, Steamer Trunks, Pullman Trunks, Trunks, Overnight Cases, Train Cases, Vanity Cases, Hat Cases, Shoe Cases, Wardrobe Cases, Document Cases, Handbags, Brief Cases, Attache Cases and Card Cases. Revelation Supplies Limited, Chiswick, London, England.
Filed Oct. 17, 1950, Serial No. 605,060. Published Jan. 22, 1952. Class 3.

558,762. Roofing and Building Paper. The Ruberoid Co., Bound Brook, N. J., and New York, N. Y.
Filed Oct. 19, 1950, Serial No. 605,174. Published Jan. 22, 1952. Class 12.

558,763. Denim Jeans and Pants. Farah Manufacturing Company, Inc., El Paso, Tex.
Filed Oct. 23, 1950, Serial No. 605,301. Published Jan. 22, 1952. Class 39.

558,764. Cellular Filtering Material Used To Remove Foreign Matter From Fluids in Control Systems and Devices. Bailey Meter Company, Cleveland, Ohio.
Filed Oct. 28, 1950, Serial No. 605,543. Published Feb. 5, 1952. Class 31.

558,765. Sewing Machines. Fratelli Borletti Società Per Azioni, Milan, Italy.
Filed Oct. 28, 1950, Serial No. 605,551. Published Jan. 22, 1952. Class 23.

558,766. Medicinal Tablets Used as an Aid to Intestinal Digestion and for Treating Diabetes Mellitus. G. S. Stoddard & Co., Inc., New York, N. Y.
Filed Oct. 28, 1950, Serial No. 605,562. Published Dec. 18, 1951. Class 18.

558,767. Sponge Rubber Pillows. American Foam Rubber Corporation, Burlington, N. J., and New York, N. Y.
Filed Oct. 30, 1950, Serial No. 605,573. Published Feb. 26, 1952. Class 32.

558,768. Ale. Red Top Brewing Company, Cincinnati, Ohio.
Filed Oct. 30, 1950, Serial No. 605,609. Published Jan. 15, 1952. Class 48.

558,769. Eau de Cologne, Men's Cologne, Cleansing Cream, Dry Skin Cream, Oily Skin Cream, Facial Tissue Builder Pack, Skin Powder, Lipstick, Skin Astringent, and Skin Emulsion. Maryla de Wilkowska, doing business as Countess Maryla, New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,647. Published Jan. 15, 1952. Class 51.

558,770. Textile Machinery, and More Specifically Machinery for Forming Non-Woven Textile Fiber Webs. Curlator Corporation, Rochester, N. Y.
Filed Oct. 18, 1950, Serial No. 605,700. Published Jan. 22, 1952. Class 23.

558,771. Liquid Preparation for Restoring Gray or Faded Hair to Its Natural Color. Thomas S. Laser, doing business as Laser Laboratories, Minneapolis, Minn.
Filed Nov. 3, 1950, Serial No. 605,861. Published Jan. 15, 1952. Class 51.

558,772. Perfume and Cologne. Elsie G. Ferris, doing business as Gwendolyn Desveaux, Alpena, Mich.
Filed Sept. 26, 1950, Serial No. 605,937. Published Jan. 15, 1952. Class 51.

558,773. Skis. A. G. Spalding & Bros. Inc., Chicopee, Mass.
Filed Nov. 16, 1950, Serial No. 606,497. Published Feb. 12, 1952. Class 22.

558,774. Pneumatic Tires and Inner Tubes for Vehicles. Manufacture de Caoutchouc Michelin, Clermont-Ferrand (Puy-de-Dome), France.
Filed Nov. 18, 1950, Serial No. 606,620. Published Feb. 19, 1952. Class 35.

558,775. Lip Rouge—Namely, Lipsticks. Jack B. Nethercutt, doing business as Nethercutt Laboratories, Santa Monica, Calif.
Filed Nov. 18, 1950, Serial No. 606,625. Published Jan. 1, 1952. Class 51.

558,776. Denim Jeans and Pants. Farah Manufacturing Company, Inc., El Paso, Tex.
Filed Nov. 20, 1950, Serial No. 606,655. Published Jan. 22, 1952. Class 39.

558,777. Stuffed Toys in Simulation of Various Types of Animal Figures. Softskin Toys, Inc., New York, N. Y.
Filed Nov. 20, 1950, Serial No. 606,684. Published Feb. 12, 1952. Class 22.

558,778. Cotton Underwear. J. E. Morgan Manufacturing Company, Tamaqua, Pa.
Filed Nov. 24, 1950, Serial No. 606,879. Published Feb. 19, 1952. Class 39.

558,779. Perfumes, Eau de Cologne, Toilet Water, Etc. Lehn & Fink Products Corporation, Bloomfield, N. J.
Filed Dec. 4, 1950, Serial No. 607,256. Published Jan. 15, 1952. Class 51.

558,780. Hair Oil and Hair Combing and Conditioning Liquid. Loretta Weber, doing business as Viola Laboratories, Philadelphia, Pa.
Filed Dec. 20, 1950, Serial No. 607,910. Published Jan. 15, 1952. Class 51.

558,781. Boxing Helmets. Sporting Enterprises, Boston, Mass.
Filed Dec. 30, 1950, Serial No. 608,256. Published Jan. 29, 1952. Class 22.

558,782. Emulsifying and Dispersing Agents for Organic Biocidal Compositions Which Permit Stable Water Emulsions or Dispersions To Be Formed From the Organic Biocides. Chemagro Corporation, New York, N. Y.
Filed Jan. 3, 1951, Serial No. 608,300. Published Feb. 19, 1952. Class 6.

558,783. Perfumed Sachets. Treasure Masters Corporation, Minneapolis, Minn.
Filed Jan. 8, 1951, Serial No. 608,523. Published Jan. 15, 1952. Class 51.

558,784. Wine. Wine Corporation of America, Chicago, Ill.
Filed Jan. 10, 1951, Serial No. 608,644. Published Jan. 1, 1952. Class 47.

558,785. Women's and Children's Shoes, Made Substantially of Leather, Fabric, or Rubber or Combinations Thereof. Trimfoot Company, Farmington, Mo.
Filed Jan. 11, 1951, Serial No. 608,685. Published Jan. 15, 1952. Class 39.

558,786. Piece Goods of Silk, Rayon, Cotton, Wool, Nylon, and Fabrics Composed of Mixtures of Such Fibres. Donbobb Corporation, New York, N. Y.
Filed Jan. 19, 1951, Serial No. 608,985. Published Feb. 19, 1952. Class 42.

558,787. Plastic Sheet Material From Which Letters, Numerals, Emblems, Designs, and the Like, May Be Cut for Application to Signboards, Advertising Displays, Traffic Signs, Etc. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Jan. 24, 1951, Serial No. 609,184. Published Jan. 1, 1952. Class 1.

558,788. Woolen Fabrics and Woolen Blankets. "Manta" Societe Anonyme, Waasmunster, Belgium.
Filed Jan. 31, 1951, Serial No. 609,448. Published Feb. 19, 1952. Class 42.

558,789. Brandy. Sovereign Importers, Ltd., New York, N. Y.
Filed Feb. 1, 1951, Serial No. 609,498. Published Jan. 8, 1952. Class 49.

558,790. Piece Goods of Cotton, Rayon, and Mixtures of Cotton and Rayon. J. W. Glenn & Sons, New York, N. Y.
Filed Feb. 2, 1951, Serial No. 609,547. Published Feb. 12, 1952. Class 42.

558,791. Woven Piece Goods of Wool Alone and in Combination With Cotton, Linen, and Synthetic Fibers. Wm. Oddy & Company, Limited, Shipley, England.
Filed Feb. 10, 1951, Serial No. 609,943. Published Feb. 12, 1952. Class 42.

558,792. Angle Suction Valves, Suction Bell Mouths, and Suction Strainers. Mechanical Marine Co., Inc., New York, N. Y.
Filed Feb. 14, 1951, Serial No. 610,086. Published Feb. 5, 1952. Class 13.

558,793. Sheets and Pillow Cases. Roman Cotton Goods Corp., New York, N. Y.
Filed Feb. 14, 1951, Serial No. 610,098. Published Feb. 12, 1952. Class 42.

558,794. Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Combinations Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Feb. 27, 1951, Serial No. 610,553. Published Sept. 4, 1951. Class 42.

558,795. Pyrometers and Electrical Controls for Pyrometers Responsive to Fluctuations in Temperature as Indicated by Temperature Sensitive Switches for Actuating the Same. Pyrometer Service Company, North Arlington, N. J.
Filed Mar. 2, 1951, Serial No. 610,760. Published Jan. 8, 1952. Class 26.

558,796. Men's, Women's, and Children's Shoes Made of Leather, Fabric, Rubber, and Combinations Thereof. Gerda Footwear Co., Inc., New York, N. Y.
Filed Mar. 5, 1951, Serial No. 610,841. Published Jan. 15, 1952. Class 39.

558,797. Gas Water Heaters. Jud Whitehead Heater Company, Oakland, Calif.
Filed Mar. 9, 1951, Serial No. 611,116. Published Jan. 22, 1952. Class 34.

558,798. Unflavored Carbonated Water and Flavored Carbonated Water. Murray Hill Restaurant, Inc., New York, N. Y.
Filed Mar. 12, 1951, Serial No. 611,190. Published Jan. 1, 1952. Class 45.

558,799. Anthelmintic Remedy in Liquid Form. S. Pfeiffer Manufacturing Co., St. Louis, Mo.
Filed Mar. 12, 1951, Serial No. 611,194. Published Nov. 6, 1951. Class 18.

558,800. Face Powder, Lipstick, Lip Pencil, Nail Polish, and Abrasive Cloth for Removal of Hair. A. J. Siris Products Corp., New York, N. Y.
Filed Mar. 13, 1951, Serial No. 611,245. Published Jan. 15, 1952. Class 51.

558,801. Antibiotic-Containing Antibacterial Preparation. E. R. Squibb & Sons, New York, N. Y.
Filed Mar. 13, 1951, Serial No. 611,248. Published Jan. 8, 1952. Class 18.

558,802. Textile Printing Colors. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany.
Filed Mar. 15, 1951, Serial No. 611,347. Published Feb. 26, 1952. Class 6.

558,803. Estrogenic-Hormone Preparation. E. R. Squibb & Sons, New York, N. Y.
Filed Mar. 15, 1951, Serial No. 611,381. Published Jan. 8, 1952. Class 18.

558,804. Veterinary Medicine for Use in Coccidiosis of Chickens and Turkeys and for Checking Immediate Mortality in Acute Fowl Cholera. Vineland Poultry Laboratories, Landis Township, Cumberland County, N. J.
Filed Mar. 15, 1951, Serial No. 611,388. Published Jan. 8, 1952. Class 18.

558,805. Overnight Cases, Week-End Cases, Bottle Cases, Wardrobe Cases, Pullman Cases, Hat Cases, Shoe Cases, and Suit Cases. Dale Retail Stores, Inc., New York, N. Y.
Filed Mar. 20, 1951, Serial No. 611,562. Published Jan. 22, 1952. Class 3.

558,806. Men's and Boys' Shoes. Craddock-Terry Shoe Corporation, Lynchburg, Va.
Filed Mar. 26, 1951, Serial No. 611,771. Published Jan. 15, 1952. Class 39.

558,807. Men's, Women's, and Boys' Shoes. Craddock-Terry Shoe Corporation, Lynchburg, Va.
Filed Mar. 26, 1951, Serial No. 611,772. Published Jan. 15, 1952. Class 39.

558,808. Whiskey. Maryland Import Company, Chicago, Ill.
Filed Mar. 26, 1951, Serial No. 611,798. Published Jan. 8, 1952. Class 49.

558,809. Women's Shoes Made of Leather, Fabric, Synthetic Materials, and Combinations Thereof. Royce Shoe Corporation, Boston, Mass.
Filed Mar. 27, 1951, Serial No. 611,857. Published Jan. 8, 1952. Class 39.

558,810. Adhesives—Namely, Protein Base Adhesives, Rubber Base Adhesives, Resin Base Adhesives, and Inorganic Base Adhesives and Pressure Sensitive Adhesive Tape. Behr-Manning Corporation, Troy, N. Y.
Filed Mar. 28, 1951, Serial No. 611,883. Published Feb. 19, 1952. Class 5.

558,811. Medical Preparation—Namely, a Rubbing Alcohol Compound. Physicians and Hospitals Supply Company, Inc., Minneapolis, Minn.
Filed Mar. 29, 1951, Serial No. 611,964. Published Jan. 15, 1952. Class 18.

558,812. Medicinal Preparation—Namely, an Antiseptic and Emollient Baby Lotion for Care of Babies. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Mar. 29, 1951, Serial No. 611,969. Published Jan. 15, 1952. Class 18.

558,813. Yarn. James Lees and Sons Company, Bridgeport, Pa.
Filed Apr. 3, 1951, Serial No. 612,171. Published Feb. 19, 1952. Class 43.

558,814. Gasoline, Lubricating Oils, and Greases. Addie Mae Smith, doing business as Hi-Q-Lo-P Oil Company, Bedford, Ind.
Filed Apr. 4, 1951, Serial No. 612,221. Published Jan. 8, 1952. Class 15.

558,815. Men's and Boys' Wearing Apparel—Namely, Coats, Jackets, Lumber Jackets, Mackinaws, Vests, Trousers, Outer Shirts, and Slacks Made of Leather, Wool, Cotton, Nylon, Rayon, and Combinations Thereof. Cape Ann Manufacturing Company, Gloucester, Mass.
Filed Apr. 5, 1951, Serial No. 612,241. Published Jan. 22, 1952. Class 39.

558,816. Coated Abrasives. Behr-Manning Corporation, Troy, N. Y.
Filed Apr. 6, 1951, Serial No. 612,291. Published Feb. 19, 1952. Class 4.

558,817. Work Indexing Fixtures for Use With Milling Machines, Grinders, Boring and Drilling Machines, Slotters, Shapers, Profile Milling Machines, Graduating Machines, and the Like. Vinco Corporation, Detroit, Mich.
Filed Apr. 11, 1951, Serial No. 612,521. Published Jan. 29, 1952. Class 23.

558,818. Blankets. Pepperell Manufacturing Company, Boston, Mass.
Filed Apr. 16, 1951, Serial No. 612,702. Published Feb. 19, 1952. Class 42.

558,819. Ophthalmic Solution. The Iso-Sol Company, Inc., Brooklyn, N. Y.
Filed Apr. 20, 1951, Serial No. 612,916. Published Dec. 25, 1951. Class 18.

558,820. Medicinal Preparations Intended as Aids for the Relief of Insomnia, Headaches, and Neuralgia. Dormin, Inc., New York, N. Y.
Filed Apr. 23, 1951, Serial No. 612,994. Published Dec. 25, 1951. Class 18.

558,821. Women's and Girls' Hosiery and Women's Underwear. Liberty Hosiery Mills, Inc., Liberty, N. C.
Filed Apr. 23, 1951, Serial No. 613,011. Published Feb. 19, 1952. Class 39.

558,822. Nutritional Supplements. Great Lakes Pharmacal Corporation, Cleveland, Ohio.
Filed Apr. 24, 1951, Serial No. 613,067. Published Dec. 25, 1951. Class 18.

558,823. Estrogenic Substance Preparation. George A. Breon & Company, New York, N. Y.
Filed Apr. 27, 1951, Serial No. 613,212. Published Dec. 25, 1951. Class 18.

558,824. House-Dresses. Robt. K. Gershenow Co., Inc., New York, N. Y.
Filed May 1, 1951, Serial No. 613,368. Published Feb. 19, 1952. Class 39.

558,825. Chemicals and Chemical Compounds for Use in Removing Soot, Fire Scale, Slag, and Sludge. Polyphase Chemical Service, Inc., New York, N. Y.
Filed May 2, 1951, Serial No. 613,422. Published Jan. 22, 1952. Class 52.

558,826. Motor Lubricating Oil. Fleet-Wing Corporation, Cleveland, Ohio.
Filed May 4, 1951, Serial No. 613,507. Published Dec. 25, 1951. Class 15.

558,827. Canned Sardines. Southern California Fish Corporation, Terminal Island, Calif.
Filed May 7, 1951, Serial No. 613,612. Published Feb. 12, 1952. Class 46.

558,828. Ointment or Paste Used in the Treatment of Minor Skin Irritations and Certain Eczematous Conditions. Gallia Laboratories, Inc., New York, N. Y.
Filed May 8, 1951, Serial No. 613,632. Published Dec. 25, 1951. Class 18.

558,829. Series of Motion Picture Animated Cartoons. Terrytoons, Inc., New Rochelle, N. Y.
Filed May 10, 1951, Serial No. 613,747. Published Jan. 1, 1952. Class 26.

558,830. Picture Frames. Klik Promotions, Inc., New York, N. Y.
Filed May 11, 1951, Serial No. 613,775. Published Feb. 26, 1952. Class 32.

558,831. Liquefied Gas for Use in Portable Containers Used as Fuel. Insto-Gas Corporation, Detroit, Mich.
Filed May 14, 1951, Serial No. 613,848. Published Feb. 12, 1952. Class 6.

558,832. Radiators. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa.
Filed May 23, 1951, Serial No. 613,859. Published Jan. 22, 1952. Class 34.

558,833. Candy. The Great Atlantic and Pacific Tea Company, New York, N. Y.
Filed May 15, 1951, Serial No. 613,873. Published Feb. 12, 1952. Class 46.

558,834. Series of Motion Picture Photoplays. Walter Lantz Productions, Inc., Hollywood, Calif.
Filed May 16, 1951, Serial No. 613,922. Published Jan. 1, 1952. Class 26.

558,835. Photographic Lenses. Ercona Camera Corporation, New York, N. Y.
Filed May 17, 1951, Serial No. 613,980. Published Jan. 1, 1952. Class 26.

558,836. Compilation of Colored Sheets or Tabs To Be Used in Selecting Room Furnishings and Decorations. Pantone Press, Inc., New York, N. Y.
Filed May 26, 1951, Serial No. 614,409. Published Feb. 12, 1952. Class 38.

558,837. Pantie Girdle With Garters. Alice Monjar, doing business as Monjar Bridal Salon, Springfield, Ohio.
Filed May 28, 1951, Serial No. 614,453. Published Feb. 19, 1952. Class 39.

558,838. Wallpaper. United Wallpaper, Inc., Chicago, Ill.
Filed June 2, 1951, Serial No. 614,674. Published Jan. 29, 1952. Class 37.

558,839. Machines for Pumping, Spraying, Smoothing, and Tamping Cementitious Materials. Pyrok Limited, London, England.
Filed June 5, 1951, Serial No. 614,786. Published Jan. 29, 1952. Class 23.

558,840. Ash Trays. Waldoc Handicrafters, Watsontown, Pa.
Filed June 5, 1951, Serial No. 614,797. Published Jan. 29, 1952. Class 8.

558,841. Medicinal Preparation as an Aid in the Relief of Muscular Aches and Pains. Helen Freeman, doing business under the firm name and style of Freeman Drug Products, New York, N. Y.
Filed June 9, 1951, Serial No. 614,986. Published Jan. 29, 1952. Class 18.

558,842. Pure Spring Water. Seven Springs Tree Farm Co., Downingtown, Pa.
Filed June 11, 1951, Serial No. 615,031. Published Feb. 12, 1952. Class 45.

558,843. Insecticides. Mathieson Chemical Corporation, Baltimore, Md.
Filed June 12, 1951, Serial No. 615,072. Published Feb. 12, 1952. Class 6.

558,844. Chocolate Cookie Bars Filled With Coconut. Venus Foods, Los Angeles, Calif.
Filed June 12, 1951, Serial No. 615,092. Published Feb. 12, 1952. Class 46.

558,845. Girdles, Foundation Garments, and Brassières. Fairsex Foundations, Inc., New York, N. Y.
Filed June 13, 1951, Serial No. 615,110. Published Feb. 19, 1952. Class 39.

558,846. Infant Dresses, Dress Sets, Christening Sets, Infants' Gowns, Diaper Shirts, Gertrudes, Creepers, Bobby Suits, Boys' Dresses, Toddler Dresses, Sun Suits, Bibs. Philippine Embroidery Corp., New York, N. Y.
Filed June 13, 1951, Serial No. 615,134. Published Feb. 19, 1952. Class 39.

558,847. Soluble Oil for Lubrication of Textile Yarn and Fibres. L. Sonneborn Sons, Inc., New York, N. Y.
Filed June 16, 1951, Serial No. 615,293. Published Feb. 19, 1952. Class 6.

558,848. Ladies' Hosiery. Shriro Trading Corporation, New York, N. Y.
Filed June 18, 1951, Serial No. 615,354. Published Feb. 19, 1952. Class 39.

558,849. Office, Household, and Factory Chairs. Domore Chair Company, Inc., Elkhart, Ind.
Filed June 21, 1951, Serial No. 615,487. Published Feb. 12, 1952. Class 32.

558,850. Hosiery for Men, Women, and Children. Lawr-Rae Hosiery Mills, Reading, Pa.
Filed June 23, 1951, Serial No. 615,606. Published Feb. 19, 1952. Class 39.

558,851. Canned Tuna and Frozen Fish Fillets and Frozen Fresh Shrimp. Marine Products Company, San Diego, Calif.
Filed June 23, 1951, Serial No. 615,608. Published Feb. 12, 1952. Class 46.

558,852. Resin Impregnated Paper. Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif.
Filed June 25, 1951, Serial No. 615,630. Published Feb. 12, 1952. Class 37.

558,853. Chairs, Tables, and Settees. Ficks Reed Co., Cincinnati, Ohio.
Filed June 27, 1951, Serial No. 615,768. Published Feb. 12, 1952. Class 32.

558,854. Foundation Garments—Namely, Girdles. Swisstex Company, West New York, N. J.
Filed June 30, 1951, Serial No. 615,949. Published Feb. 19, 1952. Class 39.

558,855. Linoleum. Armstrong Cork Company, Lancaster, Pa.
Filed July 3, 1951, Serial No. 616,008. Published Feb. 26, 1952. Class 20.

558,856. Smokers' Pipes. John Hudson Moore, Inc., New York, N. Y., now by merger The Lambert Company, a corporation of Delaware.
Filed July 6, 1951, Serial No. 616,181. Published Feb. 12, 1952. Class 8.

558,857. Furnace Fittings—Namely, Pipes, Elbows, and Angles. Nichols Wire & Aluminum Co., Davenport, Iowa.
Filed July 6, 1951, Serial No. 616,185. Published Jan. 22, 1952. Class 34.

558,858. Brassières. Kabo, Inc., Chicago, Ill.
Filed July 11, 1951, Serial No. 616,321. Published Feb. 19, 1952. Class 39.

558,859. Thermoplastic Injection Molded Chair Leg Tips. The National Plastic Products Company, Odenton, Md.
Filed July 11, 1951, Serial No. 616,332. Published Feb. 26, 1952. Class 32.

558,860. Cigarette Boxes and Ash Trays. Associated American Artists, Inc., New York, N. Y.
Filed July 13, 1951, Serial No. 616,400. Published Feb. 26, 1952. Class 8.

558,861. Cigarette Boxes and Ash Trays. Associated American Artists, Inc., New York, N. Y.
Filed July 13, 1951, Serial No. 616,402. Published Feb. 26, 1952. Class 8.

558,862. Thread and Continuous Filament and Staple Fiber Yarns Containing Glass Fibers. Clarence Klug, Los Angeles, Calif.
Filed July 17, 1951, Serial No. 616,604. Published Feb. 19, 1952. Class 43.

558,863. Women's, Misses', and Children's Dresses. The Blaine Co., also known as The Blaine Company, Philadelphia, Pa.
Filed July 19, 1951, Serial No. 616,656. Published Feb. 19, 1952. Class 39.

558,864. Canned Tomatoes, Canned Tomato Puree, and Canned Fruits. Hollister Canning Company, Hollister, Calif.
Filed July 23, 1951, Serial No. 616,820. Published Feb. 19, 1952. Class 46.

558,865. Lanolin. Botany Mills, Inc., Passaic, N. J.
Filed July 31, 1951, Serial No. 617,142. Published Feb. 9, 1952. Class 6.

558,866. Parachute Hardware, i. e., Slides or Adaptors and Snap Hooks. The R. Wallace & Sons Manfg. Co., Wallingford, Conn.
Filed Aug. 20, 1951, Serial No. 617,897. Published Feb. 19, 1952. Class 13.

558,867. Hydraulic and Pneumatic Valves. Hyman Ledeen, doing business as Ledeen Manufacturing Co., Los Angeles, Calif.
Filed Aug. 30, 1951, Serial No. 618,236. Published Feb. 19, 1952. Class 13.

558,868. Volumetric Glassware for Laboratory Use, i. e., Hollow Glassware Employed in Laboratories for Measuring Volumes of Liquids. Sunstripe Corporation, Rochester, N. Y.
Filed Sept. 13, 1951, Serial No. 618,766. Published Jan. 8, 1952. Class 26.

558,869. Sheets and Pillowcases. W. A. Ballinger & Co., San Francisco, Calif.
Filed Sept. 17, 1951, Serial No. 618,877. Published Feb. 19, 1952. Class 42.

558,870. Camera Lenses. Harry J. Graw, Chicago, Ill.
Filed Sept. 24, 1951, Serial No. 619,158. Published Jan. 8, 1952. Class 26.

558,871. Medicine and Pharmaceutical Preparations and Ingredients of Medicines and Pharmaceutical Preparations—Namely, Vitamins, Etc. Barnes-Hind Laboratories, San Francisco, Calif.
Filed Nov. 1, 1951, Serial No. 620,482. Published Feb. 19, 1952. Class 18.

558,872. Liquid Shaving Cream. Morton Manufacturing Corporation, doing business under the name and style of Chap Stick Co., Lynchburg, Va.
Filed Dec. 21, 1951, Serial No. 622,370. Published Feb. 12, 1952. Class 51.

Service Marks

558,873. Finishing of Textile Fabrics to Control Shrinkage. The United States Finishing Company, Norwich, Conn.
Filed Sept. 19, 1947, Serial No. 535,105. Published Nov. 6, 1951. Class 106.

558,874. Reading Information Service—Namely, the Distribution of General and Special Reading Lists and the Performing of Literary Research. The Grolier Society, Inc., New York, N. Y.
Filed July 28, 1949, Serial No. 582,619. Published Feb. 12, 1952. Class 101.

558,875. Conducting and Promoting Activities in the Hobby-Model Industry—Namely, Furnishing Credit Information to Members on Individuals, Firms and Corporations; Issuing Periodic Bulletins to Its Associate Members Disseminating Information Concerning the Hobby-Model Industry and the Promotion of Trade Fairs, Exhibiting and Advertising Products of Its Associate Members, and of Hobby-Models Generally. Model Industry Association, Chicago, Ill.
Filed Oct. 27, 1949, Serial No. 586,931. Published Feb. 12, 1952. Class 101.

558,876. Chemical Engineering Services—Namely, Making Surveys and Inspections of Industrial and Public Utility Plants, Etc. Hall Laboratories, Incorporated, Pittsburgh, Pa.
Filed Nov. 18, 1949, Serial No. 588,028. Published Feb. 19, 1952. Class 100.

558,877. Service, Maintenance and Repair of Internal Combustion Engines, Etc. Caterpillar Tractor Co., Peoria, Ill.
Filed July 26, 1950, Serial No. 601,254. Published Feb. 19, 1952. Class 103.

558,878. Radio and Television Program Broadcasting Service. Radiohio, Incorporated, Columbus, Ohio.
Filed Feb. 13, 1951, Serial No. 610,027. Published Feb. 19, 1952. Class 104.

558,879. Testing Services—Namely, Developing, Constructing and Administering Tests and Testing Programs for Specialized Educational Purposes; Etc. Educational Testing Service, Princeton, N. J.
Filed June 22, 1951, Serial No. 615,542. Published Feb. 26, 1952. Class 100.

558,880. Entertainment Services in the Nature of Hillbilly, Western, and Folk Music Presentations Rendered Through the Medium of Radio and Television Broadcast Programs and Through Personal Appearances. Connie B. Gay, Arlington, Va.
Filed June 26, 1951, Serial No. 615,697. Published Feb. 19, 1952. Class 107.

558,881. Hair Cutting, Hair Dressing, Scalp Treatment, and Permanent Waving; and Beauty Treatments—Namely, Facial Massage and Manicuring. Head's of F Street, Washington, D. C.
Filed Sept. 5, 1951, Serial No. 618,395. Published Feb. 19, 1952. Class 100.

558,882. Radio Program Broadcasting Services. Intercollegiate Broadcasting System, Inc., Schenectady, N. Y., and Washington, D. C.
Filed Apr. 16, 1951, Serial No. 622,050. Published Feb. 19, 1952. Class 104.

Certification Mark

558,883. Equipment for Use With Anthracite Coal—Namely, Boilers; Etc. Anthracite Institute, Wilkes-Barre, Pa.
Filed May 5, 1948, Serial No. 556,238. Published Feb. 12, 1952. Class 34.

Collective Mark

558,884. Mattresses and Box Springs. Sylcon Management Association, Chicago, Ill., assignee of Sylcon Corporation.
Filed Sept. 9, 1947, Serial No. 533,948. Published Feb. 26, 1952. Class 32.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

558,885. (Class 46. Foods and Ingredients of Foods.) Rochelle Asparagus Company, Rochelle, Ill. Original filed, act of 1946, Principal Register, Feb. 10, 1948; amended to application, Supplemental Register, Oct. 9, 1951, Serial No. 549,279.

Veri-fine

Applicant claims ownership of Registration No. 236,964.
For Canned Asparagus.
Claims use since Mar. 15, 1922.

558,886. (Class 46. Foods and Ingredients of Foods.) King Kone Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 25, 1948; amended to application, Supplemental Register, Feb. 26, 1952, Serial No. 552,990.

WHEELS

For Caramel Flavored Popcorn.
Claims use since June 1947.

558,887. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) John Dritz & Sons, New York, N. Y. Original filed, act of 1946, Principal Register, June 23, 1948; amended to application, Supplemental Register, Mar. 30, 1950, Serial No. 560,001.

TAILOR TACKER

For Hand Tool for Transferring Markings From Patterns to Dress Goods.
Claims use since May 1, 1948.

558,888. (Class 46. Foods and Ingredients of Foods.) Charles A. Gerber, doing business as Charles A. Gerber Company, Bartlett, Ill. Original filed, act of 1946, Principal Register, Apr. 27, 1949; amended to application, Supplemental Register, Oct. 29, 1951, Serial No. 577,789.

Gold-N-Toasted

For Bread Crumbs Made Especially From Baked Enriched Flour, Filtered Water, Dextrose, Dry Milk Solids,

Salt, Shortening, Yeast, Yeast Nutrients and Malt Extract for Breading, for Deep Fat and Pan Frying and for Thickening Soups and Gravies.
Claims use since Nov. 4, 1943.

558,889. (Class 51. Cosmetics and Toilet Preparations.) Societe Anonyme Parfums Marcel Rochas, Paris, France, assignor, by mesne assignments, to Parfums Marcel Rochas, Inc., New York, N. Y., a corporation of New York. Original filed, act of 1946, Principal Register, May 19, 1949; amended to application, Supplemental Register, July 17, 1951, Serial No. 579,143.

MOUSTACHE

Applicant claims ownership of French Registration No. 377,034, dated Apr. 25, 1947.
For Perfumes, Toilet Waters.

558,890. (Class 52. Detergents and Soaps.) Harlan W. Haaker, doing business as Harlan Sales, Detroit, Mich. Original filed, act of 1946, Principal Register, June 1, 1949; amended to application, Supplemental Register, June 2, 1950, Serial No. 579,820.

doggie wash

For Washing Compound for Dogs.
Claims use since May 18, 1949.

558,891. (Class 1. Raw or Partly Prepared Materials.) Ferry-Morse Seed Co., Detroit, Mich. Original filed, act of 1946, Principal Register, June 3, 1949; amended to application, Supplemental Register, Dec. 26, 1951, Serial No. 579,922.



For Seeds—Namely, Vegetable, Flower, and Grass Seeds.
Claims use since 1943.

558,892. (Class 2. Receptacles.) Mente & Co., Inc., New Orleans, La. Original filed, act of 1946, Principal Register, Aug. 10, 1949; amended to application, Supplemental Register, Nov. 17, 1950, Serial No. 583,272.

MENTE

SEALPAK

For Laminated Moisture-Proof Bags Made of Burlap and Cotton.
Claims use since July 20, 1949.

558,893. (Class 51. Cosmetics and Toilet Preparations.) Avon Products, Inc., New York, N. Y., assignor to Avon Products, Inc., a corporation of New York. Original filed, act of 1946, Principal Register, Dec. 29, 1949; amended to application, Supplemental Register, Feb. 16, 1951, Serial No. 590,066.

POWDER-PAK

For Face Powder.
Claims use since Dec. 13, 1949.

558,894. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Moody Machine Products Co., Inc., Providence, R. I. Original filed, act of 1946, Principal Register, Mar. 17, 1950; amended to application, Supplemental Register, Feb. 6, 1952, Serial No. 594,138.

Moody Kit

For Precision Screw Driver Sets and Precision Drill and Screw Driver Sets.
Claims use since Feb. 2, 1950.

558,895. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Acme Shear Company, Bridgeport, Conn. Original filed, act of 1946, Principal Register, Mar. 18, 1950; amended to application, Supplemental Register, Dec. 7, 1950, Serial No. 594,183.

STA-SHARP

Applicant claims ownership of Registration No. 522,038.
For Scissors and Shears of General Household Utility Type.
Claims use since Feb. 1, 1932.

558,896. (Class 46. Foods and Ingredients of Foods.) William Neilson Limited, Toronto, Ontario, Canada. Original filed, act of 1946, Principal Register, Mar. 25, 1950; amended to application, Supplemental Register, Jan. 29, 1951, Serial No. 594,652.

Neilson's
JERSEY
MILK
CHOCOLATE

The words "Jersey Milk Chocolate" are disclaimed. Applicant claims ownership of United States Registration No. 257,425, and Canadian Registration No. 170, folio 37,900, dated June 1, 1925.
For Chocolate Candy Bars.
Claims use since June 1, 1924.

558,897. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Belvedere Sewing Machine Co., Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Apr. 1, 1950; amended to application, Supplemental Register, Apr. 17, 1951, Serial No. 595,055.

BelAir

For Electrically Operated Sewing Machines.
Claims use since Feb. 15, 1950.

558,898. (Class 6. Chemicals and Chemical Compositions.) Chek Laboratories, Eugene, Oreg. Original filed, act of 1946, Principal Register, Apr. 8, 1950; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 595,447.

Chek

For Chemical Preparation To Prevent Runs and Resist Snags in Nylon Hose.
Claims use since Mar. 18, 1950.

558,899. (Class 12. Construction Materials.) Mineral Wool Insulations Company, Fontana, Calif. Original filed, act of 1946, Principal Register, May 16, 1950; amended to application, Supplemental Register, May 11, 1951, Serial No. 597,535.

Fontana

For Fire-Proof Heat Insulating Material—Namely, Rock Wool.
Claims use since Dec. 3, 1947.

558,900. (Class 15. Oils and Greases.) L. R. Kerns Company, Chicago, Ill. Original filed, act of 1946, Principal Register, June 10, 1950; amended to application, Supplemental Register, May 17, 1951, Serial No. 598,911.

DRY FILM

For Metal Coating and Drawing Composition for Lubricating Metal During Drawing and Working.
Claims use since Nov. 24, 1948.

558,901. (Class 1. Raw or Partly Prepared Materials.) Dallas D. Montgomery, Scottsburg, Ind. Original filed, act of 1946, Principal Register, Aug. 16, 1950; amended to application, Supplemental Register, Sept. 12, 1951, Serial No. 602,275.



For Garden and Field Seeds.
Claims use since July 1, 1950.

558,902. (Class 22. Games, Toys, and Sporting Goods.) Mecklenburg Specialties, Inc., Charlotte, N. C. Original filed, act of 1946, Principal Register, Sept. 15, 1950; amended to application, Supplemental Register, Feb. 4, 1952, Serial No. 603,586.



For Toys for Forming Bubbles — Namely, Bubble Shooters, Bubble Wands, Bubble Whistles and Soap-Like Solutions for Forming Bubbles.
Claims use since Nov. 30, 1948.

558,903. (Class 2. Receptacles.) Clarence L. Neely, doing business as Neely Manufacturing Company, Corydon, Iowa. Original filed, act of 1946, Principal Register, Oct. 18, 1950; amended to application, Supplemental Register, Oct. 31, 1951, Serial No. 605,113.

KAT-E-KORNER
ZIPPER

For Flexible Synthetic Sheet Garment Storage Bag.
Claims use since Sept. 13, 1950.

558,904. (Class 44. Dental, Medical, and Surgical Appliances.) S. C. Ryan, doing business as Rochester Accoustical Laboratories, St. Paul, Minn. Original filed, act of 1946, Principal Register, Oct. 18, 1950; amended to application, Supplemental Register, Aug. 21, 1951, Serial No. 605,117.

Rochester

For Electrical Hearing Aids.
Claims use since July 26, 1950.

558,905. (Class 18. Medicines and Pharmaceutical Preparations.) Universal Nutritions, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 20, 1950; amended to application, Supplemental Register, Sept. 12, 1951, Serial No. 605,244.

KOLON-TABS

For Laxative Tablets.
Claims use since Aug. 25, 1950.

558,906. (Class 18. Medicines and Pharmaceutical Preparations.) Albertha Christopher, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 27, 1950; amended to application, Supplemental Register, Dec. 12, 1951, Serial No. 605,467.

Christopher's
Fountain

of
HEALTH
DRINK

For Medicated Drink Made From Herbaceous Roots, Citrus Fruits and Vegetables To Be Used for Reducing Blood Pressure.

Claims use since Sept. 11, 1950.

558,907. (Class 35. Belting, Hose, Machinery Packing, and Nonmetallic Tires.) W. J. Voit Rubber Corp., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Nov. 13, 1950; amended to application, Supplemental Register, Jan. 16, 1952, Serial No. 606,349.

VOIT

Applicant claims ownership of Registrations Nos. 510,267 and 530,087.

For Flexible Rubber Hose.

Claims use since Sept. 30, 1950.

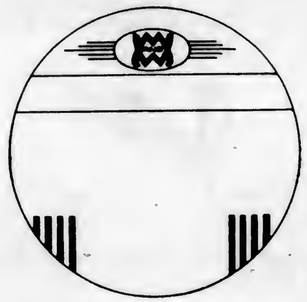
558,908. (Class 18. Medicines and Pharmaceutical Preparations.) Robert Miles Sherman, Yonkers, N. Y. Original filed, act of 1946, Principal Register, Jan. 10, 1951; amended to application, Supplemental Register, Sept. 5, 1951, Serial No. 608,626.

ENER - G - TABS

For Medical Preparation, in Tablet or Capsule Form, for Human Beings, With Caffeine Alkaloid as the Principal Constituent, Especially Prepared To Relieve and Overcome Muscular and Mental Fatigue, Increase the Capacity for Muscular and Mental Work, and Improve Subjective Feeling Tone.

Claims use since August 1945.

558,909. (Class 51. Cosmetics and Toilet Preparations.) M & W Manufacturing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, May 16, 1951; amended to application, Supplemental Register, Feb. 7, 1952, Serial No. 613,931.



For Pomade for Hair.

Claims use since Nov. 1, 1946.

TRADE-MARK REGISTRATIONS RENEWED

38,452. MONARCH. Registered June 17, 1902. Cluett, Peabody & Co. Re-renewed June 17, 1952, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Shirts, Collars, Cuffs, Shirt-Waists, Night-Shirts, Pajamas, and Bath-Robes. Class 39.

38,607. HURWOOD. Registered July 15, 1902. The Acme M'f'g Co., Southington, Conn. Re-renewed July 15, 1952, to The Stanley Works, New Britain, Conn., a corporation of Connecticut. Ice-Picks, Awls, Tack-Pullers, Chisels, Etc. Class 23.

84,089. NIGRUM. Registered Nov. 7, 1911. The Franklin Company. Re-renewed Nov. 7, 1951, to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J., a corporation of New Jersey. Oilless and Antifriction Bearings Formed From Treated Wood or Fiber and Used as Machinery-Bearings and for Bearing-Surfaces. Class 23.

84,775. VERTILEX. Registered Jan. 2, 1912. Yawman & Erbe Manufacturing Co., Rochester, N. Y., a corporation of New York. Re-renewed Jan. 2, 1952. Paper-Files. Class 37.

85,442. HOLZAPFEL. Registered Feb. 20, 1912. Holzapfels Limited, Newcastle-upon-Tyne, England. Renewed Feb. 20, 1952, to International Paint Company, Inc., New York, N. Y., a corporation of New York. Anti-Corrosive and Anti-Fouling Paint, Mixed Paint, and Enamel Paints. Class 16.

85,696. REXALL. Registered Mar. 5, 1912. United Drug Company, Boston, Mass. Re-renewed Mar. 5, 1952, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Writing-Paper, Envelops, and Writing-Tablets. Class 37.

85,699. "BLACK HAWK" ETC. AND DRAWING. Registered Mar. 5, 1912. Western Flour Mill Company, Davenport, Iowa. Re-renewed Mar. 5, 1952, to International Milling Company, Minneapolis, Minn., a corporation of Delaware. Wheat-Flour. Class 46.

85,721. KENSINGTON. Registered Mar. 12, 1912. The American Paper Goods Company, Montclair, N. J., and Kensington, Conn. Re-renewed Mar. 12, 1952, to The American Paper Goods Company, Kensington, Conn., a corporation of New Jersey. Paper Bags and Drinking-Cups Composed Wholly or in Part of Paper. Class 2.

86,408. HOLZAPFELS. Registered May 7, 1912. Holzapfels Limited, Newcastle-upon-Tyne, England. Renewed May 7, 1952, to International Paint Company, Inc., New York, N. Y., a corporation of New York. Anticorrosive and Antifouling Paint, Mixed Paint, and Enamel Paints. Class 16.

86,479. TE-CE-CO. Registered May 7, 1912. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Re-renewed May 7, 1952. Flour. Class 46.

86,480. "WINAWAY" AND DRAWING. Registered May 7, 1912. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Re-renewed May 7, 1952. Flour. Class 46.

86,481. WINAWAY. Registered May 7, 1912. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Re-renewed May 7, 1952. Flour. Class 46.

86,638. "TE-CE-CO" AND DRAWING. Registered May 21, 1912. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Re-renewed May 21, 1952. Wheat-Flour. Class 46.

87,451. IRONCLAD. Registered July 16, 1912. M. Hohner. Re-renewed July 16, 1952, to M. Hohner, Inc., New York, N. Y., a corporation of New York. Harmonicas. Class 36.

87,487. KING KOLE. Registered July 16, 1912. Salant & Salant. Re-renewed July 16, 1952, to Salant & Salant, Inc., New York, N. Y., a corporation of New York. Men's and Boys' Work-Shirts. Class 39.

286,242. LEUKOPLAST. Registered Aug. 25, 1931. P. Beiersdorf & Co. Inc., New York, N. Y. Renewed Aug. 25, 1951, to Duke Laboratories, Inc., Stamford, Conn., a corporation of New York. Adhesive Plasters for Surgical Dressing and Bandaging. Class 44.

286,995. "MEDIA" ETC. AND DESIGN. Registered Sept. 8, 1931. Media Records, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1951. Printed Records, Bulletins, and Reports on Business and Advertising, Published Periodically. Class 38.

287,770. LEUKOPLAST. Registered Oct. 6, 1931. P. Beiersdorf & Co. Inc., New York, N. Y. Renewed Oct. 6, 1951, to Duke Laboratories, Inc., Stamford, Conn., a corporation of New York. Medicated Adhesive Plasters. Class 18.

289,789. "LIVOTI BRAND" AND DRAWING. Registered Dec. 8, 1931. Charles Livoti, doing business as Chas. Livoti Co. Renewed Dec. 8, 1951, to Elvira Livoti, executrix of the estate of Charles Livoti, deceased, doing business as Chas. Livoti Co., Roseville, Calif. Olive Oils. Class 46.

290,094. SPORTSMAN. Registered Dec. 22, 1931. Gemsco, Inc. Renewed Dec. 22, 1951, to Gemsco, Inc., New York, N. Y., a corporation of New York. Boot Hooks and Boot Jacks. Class 50.

290,741. GELVA. Registered Jan. 12, 1932. Shawinigan Products Corporation, New York, N. Y., a corporation of New York. Renewed Jan. 12, 1952. Synthetic Resinous Material. Class 6.

290,819. ATLAS. Registered Jan. 19, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed Jan. 19, 1952. Anti-Skid Chains. Class 13.

290,832. "JAY J BEE" ETC. AND DRAWING. Registered Jan. 19, 1932. Jaburg Brothers, Inc. Renewed Jan. 19, 1952, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York. Sodas—Namely, Sal Soda and Bicarbonate of Soda, Salt, Bluing, Ammonia, Etc. Class 46.

290,924. ELVERITE. Registered Jan. 19, 1932. Fuller Lehigh Company. Renewed Jan. 19, 1952, to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey. Chilled Iron Castings. Class 14.

290,972. MOSSTRED. Registered Jan. 19, 1932. Sidney Blumenthal & Co., Inc., New York, N. Y., a corporation of New York. Renewed Jan. 19, 1952. Pile Fabrics in the Piece. Class 42.

291,113. "CAPE COD" ETC. Registered Jan. 26, 1932. Albert K. Sheldon Co., Cambridge, Mass., a corporation of Massachusetts. Renewed Jan. 26, 1952. Ready Mixed Paints, Paint Enamels, Paint Colors in Oil, and Varnishes. Class 16.

291,204. "LITTLE BUSTER" AND DRAWING. Registered Feb. 2, 1932. The Albert Dickinson Company. Renewed Feb. 2, 1952, to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois. Popping-Corn and Seasoning for Popcorn. Class 46.

291,393. FERRO-CU-MANG. Registered Feb. 9, 1932. The Drug Products Co., Inc., Long Island City, N. Y. Renewed Feb. 9, 1952, to The Drug Products Co., Inc., East Orange, N. J., a corporation of New York. Liquid Hematinic Preparation. Class 18.

291,694. ACE. Registered Feb. 23, 1932. Certified Dry Mat Corporation, New York, N. Y., a corporation of New York. Renewed Feb. 23, 1952. Matrix, Dry Mat, or Board Used in Stereotyping or Electrotyping. Class 50.

291,700. "BANNER" WITH CURVED HEAVY UNDERLINE. Registered Feb. 23, 1932. Consolidated Rendering Company, Boston, Mass., a corporation of Maine. Renewed Feb. 23, 1952. Fertilizers. Class 10.

291,712. PLATEAU. Registered Feb. 23, 1932. John Jacobs Co., Canon City, Colo. Renewed Feb. 23, 1952, to John M. Jacobs, Phoenix, Ariz. Fresh Deciduous Fruits and Vegetables. Class 46.

291,750. SANDO. Registered Feb. 23, 1932. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed Feb. 23, 1952. Tapioca Flour for Manufacturing Purposes. Class 1.

291,932. KATHYMLAC. Registered Feb. 23, 1932. Andrew J. Miller, Granville, Iowa. Renewed Feb. 23, 1952. Powder for Treating Coccidiosis in Chickens. Class 18.

292,198. REPRESENTATION OF HAMMER WITH BLUE AND ORANGE PARALLEL BANDS AROUND HANDLE. Registered Mar. 1, 1932. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Mar. 1, 1952. Planes, Hand Drills, Screw Drivers, Hammers, and Bit Braces. Class 23.

292,657. SPIRELLA. Registered Mar. 22, 1932. The Spirella Company Incorporated, Niagara Falls, N. Y., a corporation of New York. Renewed Mar. 22, 1952. Lingerie—Namely, Bandeaux, Pants, Union Suits, Bloomers, Vests, Costume Slips, and Skirts. Class 39.

292,690. "LADY FAYRE" AND PORTRAIT. Registered Mar. 22, 1932. Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Renewed Mar. 22, 1952. Bias Tape, Hair Clips, Hooks and Eyes, Pins, Etc. Class 40.

292,706. "QUAKER" ETC. AND DRAWING LINED FOR RED, BLUE, AND YELLOW. Registered Mar. 22, 1932. The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Renewed Mar. 22, 1952. Rolled Oats. Class 46.

292,820. VELVORAY. Registered Mar. 29, 1932. Royce Chemical Company, Carlton Hill, N. J., a corporation of New Jersey. Renewed Mar. 29, 1952. Sulphonated Olive Oil for Textile Purposes. Class 6.

293,730. COORSITE. Registered May 3, 1932. H. F. Coors Company, Inc., Inglewood, Calif., a corporation of California. Renewed May 3, 1952. Hard Glaze Porcelain. Class 30.

294,057. "KAY" AND DRAWING. Registered May 17, 1932. Kay Brothers, Inc. Renewed May 17, 1952, to Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Outer Wearing Apparel for Women and Girls—Namely, Street Dresses, Suits, Etc. Class 39.

295,007. DURA. Registered June 14, 1932. Fred Butterfield & Co., Inc., New York, N. Y. Renewed June 14, 1952, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Silk, Rayon, Cotton, and/or Combinations Thereof, in the Piece; also sheetings and Towelings. Class 42.

295,671. "AMBERLEAF" AND DESIGN. Registered July 5, 1932. Mary P. Beckwith, Garrison, N. Y. Renewed July 5, 1952. China and Porcelain Vases, Jardinières, Crockery, and Pottery. Class 30.

295,818. FAUNTEX. Registered July 12, 1932. Van Raalte Company, Inc., New York, N. Y., a corporation of New York. Renewed July 12, 1952. Laces in the Form of Piece Goods. Class 42.

295,888. RECTIFILTER. Registered July 19, 1932. Square D Company, Detroit, Mich. Renewed July 19, 1952, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware. Electrical Rectifying and Filtering Devices and Condensive Elements. Class 21.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

288,914. "NITRAGIN" AND DESIGN. Registered Nov. 10, 1931. The Nitragin Company, Inc., Milwaukee, Wis. Seed and Soil Inoculant. Class 10. Corrected as follows: In the heading to the statement, line 3, for "Serial No. 296,553" read *Serial No. 291,287.*

361,353. E-Z-FIT. Registered Oct. 11, 1938. E-Z-On Dresses Inc., New York, N. Y. Ladies' Dresses. Class 39. Amended as follows: In the statement, line 7, "ladies'" is deleted and *maternity* is inserted in lieu thereof.

517,689. GARBAGE DISPOSER NEWS. Registered Nov. 15, 1949. Given Manufacturing Company, Los Angeles, Calif. Periodical. Class 38. Corrected as follows: In the certificate, lines 2 and 13; in the heading to the registration; in line 1 of the statement; and in the printed signature, "Company" should be *Co.*; and a new declaration wherein "Company" has been changed to *Co.* has been substituted for the original.

521,488. K-P. Registered Feb. 28, 1950. Given Manufacturing Company, Los Angeles, Calif. Electric Waste Disposal Units Attachable to Plumbing Systems. Class 21. Corrected as follows: In the certificate, lines 2, 3, and 14; in the heading to the registration; in line 1 of the statement; and in the printed signature, "Company" should be *Co.*; and a new declaration wherein "Company" has been changed to *Co.* has been substituted for the original.

521,837. KITCHEN-PULVERATOR. Registered Mar. 7, 1950. Given Manufacturing Company, Los Angeles, Calif. Electric Waste Disposal Units Attachable to Plumbing Systems. Class 21. Corrected as follows: In the certificate, lines 2 and 13; in the heading to the registration; in line 1 of the statement; and in the printed signature, "Company" should be *Co.*; and a new declaration wherein "Company" has been changed to *Co.* has been substituted for the original.

524,661. PULVER-AID. Registered May 2, 1950. Given Manufacturing Company, Los Angeles, Calif. Wheeled Vehicle Comprising a Tubular Frame, Waste Tank, and Sink Flange Bowl, for Transporting and Displaying Garbage Pulverizing Units. Class 19. Corrected as follows: In the certificate, lines 2 and 13; in the heading to the registration; in line 1 of the statement; and in the printed signature, "Company" should be *Co.*; and a new declaration wherein "Company" has been changed to *Co.* has been substituted for the original.

552,641. HOMART. Registered Jan. 1, 1952. Sears, Roebuck and Co., Chicago, Ill. Group A—Roll Roofing, Roofing Shingles, Etc. Class 12. Corrected as follows: In the statement, second column, line 1, after "CEMENT," insert *LEAD SEAL COMPOUND, PIPE JOINT COMPOUND,*; line 5, after "CEMENT,", second occurrence, insert *AND WINDOW SASH PUTTY.*

554,058. SPOKEN WORDS "WITH THE RINGING OF THE LIBERTY BELL" AND THE SOUND OF THE LIBERTY BELL RINGING. Registered Jan. 22, 1952. Bulletin Company, Philadelphia, Pa. Information Service in the Nature of a Radio News Program. Class 107. Corrected as follows: In the heading to the statement, line 6, for that portion of the mark reading '"WITH THE SOUND OF THE LIBERTY BELL"' read "WITH THE RINGING OF THE LIBERTY BELL":

555,575. SILVAGNI. Registered Mar. 4, 1952. Jules M. Sahlein, doing business as J. M. Sahlein Music Company, San Francisco, Calif. Accordions; Stringed and Fretted Instruments, and Strings, Bridges, and Picks Therefor. Class 36. Corrected as follows: The mark should appear as shown below instead of as in the registration:

SILVAGNI

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

296,309. OLYMPIC. Registered Aug. 2, 1932. Renewed as of Aug. 2, 1952. H. R. Mallinson & Co., Inc. Silk Piece Goods. Class 42. New certificate under section 7(c) issued May 13, 1952, to National Mallinson Fabrics Corporation, New York, N. Y., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 86,248. Registered Apr. 23, 1912. L. Sonneborn Sons, Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.

CREFENOL

For Disinfectant Which May Be Used as a Dip for Sheep or Other Animals.
Claims use since 1909.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 292,835. Registered Mar. 29, 1932. Pittsburgh Tool Steel Wire Company, Monaca, Pa., a corporation of Pennsylvania. Republished by registrant.

Dukane

For Drill Rods and Cold Drawn Steel.
Claims use since Sept. 2, 1931.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 427,256. Registered Feb. 4, 1947. The Lufkin Rule Co., Saginaw, Mich., a corporation of Michigan. Republished by registrant.

"CHALLENGE"

For Measuring Tapes.
Claims use since March 1898.

Reg. No. 427,824. Registered Feb. 25, 1947. The Lufkin Rule Co., Saginaw, Mich., a corporation of Michigan. Republished by registrant.

"RELIABLE"

For Measuring Tapes.
Claims use since November 1892.

Reg. No. 428,428. Registered Mar. 25, 1947. The Lufkin Rule Co., Saginaw, Mich., a corporation of Michigan. Republished by registrant.

RIVAL

For Measuring Tapes.
Claims use since May 1893.

CLASS 37

PAPER AND STATIONERY

Reg. No. 288,024. Registered Oct. 20, 1931. The Standard Register Company, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

"ZIPTAB"

For Manifolding Assemblies Comprising Separable Alternating Sheets of Record and Carbon Material in Zig-Zag Folded Packet or Roll Form.
Claims use since on or about May 17, 1930.

Reg. No. 290,806. Registered Jan. 19, 1932. Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.

RIEGELITE

For Waxed Papers, Plain Glassine Paper, Waxed Glassine Paper, Transparent Wrapping Paper, Wax Sulphite, and Cake and Bread Wrap.
Claims use since Sept. 9, 1931.

CLASS 39

CLOTHING

Reg. No. 444,470. Registered Apr. 17, 1951. Brevitt Shoes Limited, Leicester, England, a corporation of Great Britain. Republished by registrant.

BREVITT

For Shoes for the Use of Men, Women, and Children, Made Wholly or Principally of Leather.
Claims use since Jan. 1, 1942.

Reg. No. 444,471. Registered Apr. 17, 1951. Brevitt Shoes Limited, Leicester, England, a corporation of Great Britain. Republished by registrant.

BREVITT
"BOUNCERS"

The word "Bouncers" is disclaimed apart from the mark as shown.
For Shoes for the Use of Men, Women, and Children, Made Wholly or Principally of Leather.
Claims use since Feb. 20, 1942.

Reg. No. 444,475. Registered Apr. 24, 1951. Brevitt Shoes Limited, Leicester, England, a corporation of Great Britain. Republished by registrant.

BREVWELT

For Shoes for the Use of Men, Women, and Children, Made Wholly or Principally of Leather.
Claims use since June 15, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 235,852. Registered Nov. 29, 1927. L. Giorgetti & Co., Minkler, Calif., a partnership. Republished by registrant, present address Sanger, Calif.

Gondolier

For Fresh Deciduous Fruits.
Claims use since Sept. 1, 1922.

Reg. No. 417,607. Registered Nov. 6, 1945. Krambo Food Stores, Incorporated, Oshkosh, Wis., a corporation of Wisconsin. Republished by registrant, present address Appleton, Wis.

KRAMBO

For Pretzels; Dried Currants, Raisins, Prunes, Dates; Glaced Fruits; Unpopped Popcorn; Salted and Unsalted Nuts; Dried, Canned, and Fresh Lima Beans, Navy Beans, Kidney Beans, Great Northern Beans; Dried Peas (Green Split, Yellow Split, and Whole Green); Dried Lentils; Pearl Barley; Polished and Unpolished Rice; Candy; Wheat Flour; and Coffee.
Claims use since Dec. 14, 1943.

Reg. No. 423,975. Registered Sept. 17, 1946. National Pectin Products Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

NA-PĒ-CO

For Emulsifiers for Use in the Manufacture of Frozen Confections.
Claims use since Nov. 5, 1945.

PLANT PATENTS

GRANTED MAY 13, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,095
PEAR TREE
Adrian G. Kalle, South Haven, Mich., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo., a corporation of Missouri
Application December 1, 1950, Serial No. 198,510
1 Claim. (Cl. 47—62)

A new and distinct variety of pear tree, characterized as to novelty by its similarity to its parent variety "Clapp Favorite" (unpatented), but distinguished therefrom by the substantially uniform, attractive, all-over dark red color of the skin of its fruit, substantially as shown and described herein.

1,096
NECTARINE TREE
William T. Kirkman, Madera, Calif., assignor to John M. Garabedian, Fresno, Calif.
Application October 12, 1950, Serial No. 189,723
1 Claim. (Cl. 47—62)

A new and distinct variety of nectarine tree substantially as described and illustrated, bearing white to creamy white fleshed clingstone fruit, characterized by a ripening period approximately four to five weeks later than the Quetta variety, and distinguished from the latter by firmer flesh; rounder shape; and smoother skin.

PATENTS

GRANTED MAY 13, 1952

2,596,089
ESTERS OF CHLORINATED PHENOXYACETIC ACIDS
William W. Allen, Ambler, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Original application September 23, 1949, Serial No. 117,501. Divided and this application April 7, 1951, Serial No. 219,889
6 Claims. (Cl. 260—473)

1. An ester of an acid of the group consisting of 2.4-dichlorophenoxyacetic acid and 2.4.5-trichlorophenoxyacetic acid with an ether alcohol of the formula $R.O.CH_2.CH_2.O.CH_2.CH_2.OH$, wherein R is of the group consisting of lower alkyl, benzyl and phenyl.

2,596,090
METHOD OF TREATING TOCOPHEROLS
James G. Baxter, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 27, 1949, Serial No. 123,990
8 Claims. (Cl. 260—333)

1. The method of enhancing the vitamin E biological activity of relatively low potency tocopherol material which comprises reacting tocopherol material having at least one aromatic hydrogen atom on the benzenoid nucleus with formaldehyde and a hydrogen halide, oxidizing the resulting substituent groups introduced on the nucleus of said tocopherol material to formyl groups by reacting the resulting material with an oxidizing agent having an oxidation potential not substantially higher than p-nitroso diethylaniline, and reducing said formyl groups to methyl groups.

2,596,091
NONIONIC SURFACE-ACTIVE AGENTS
Peter L. de Benneville, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 28, 1950, Serial No. 152,518
18 Claims. (Cl. 260—611)

1. A process for preparing a surface-active compound of the formula

$$R^1R^2R^3ArCH_2(OCH_2CH_2)_nOR^4$$

which comprises reacting at 80° to 150° C. an ether glycol of the formula

$$HO(CH_2CH_2O)_nR^4$$

with a halide of the formula

$$R^1R^2R^3ArCH_2X$$

in the presence of an equivalent of an alkali hydroxide, R^1 being an alkyl group of six to eighteen carbon atoms, R^2 and R^3 being members of the class consisting of hydrogen and the methyl group, R^4 being an alkyl group of not over four carbon atoms, Ar being an aromatic hydrocarbon nucleus of the class consisting of benzene and naphthalene groups, n being a number from 6 to 40 and at least of sufficient size to ensure the dispersibility of the compound in water, and X being a halogen from the class consisting of chlorine and bromine.

10. A surface-active compound of the formula

$$R^1R^2R^3ArCH_2(OCH_2CH_2)_nOR^4$$

wherein R^1 is an alkyl group of six to eighteen carbon atoms, R^2 and R^3 are members of the class consisting of hydrogen and the methyl group, R^4 is an alkyl group of not over four carbon atoms, Ar is an aromatic nucleus of the class consisting of benzene and naphthalene groups, and n is a number from six to forty.

2,596,092
BIS ALKYLBENZYL ETHERS OF POLYETHYLENE GLYCOLS
Peter L. de Benneville, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 28, 1950, Serial No. 152,519
11 Claims. (Cl. 260—611)

1. A process for preparing a surface-active compound of the formula

$$R^1R^2R^3ArCH_2O(CH_2CH_2O)_nCH_2ArR^1R^2R^3$$

which comprises reacting at 80° to 150° C. about one mole of a polyglycol of the formula

$$HO(CH_2CH_2O)_nH$$

with about two moles of a halide of the formula

$$R^1R^2R^3ArCH_2X$$

in the presence of about two moles of an alkali metal hydroxide, R^1 being an alkyl group of six to fifteen carbon atoms, R^2 and R^3 being members of the class consisting of hydrogen and the methyl group, Ar being a phenyl group, n being a number from 12 to 50, and X being a halogen of atomic weight 35 to 80.

6. A capillary active compound of the formula

$$R^1R^2R^3ArCH_2O(CH_2CH_2O)_nCH_2ArR^1R^2R^3$$

wherein R^1 is an alkyl group of six to fifteen carbon atoms, R^2 and R^3 are members of the class consisting of hydrogen and the methyl group, Ar is a phenyl group, and n is a number from 12 to 50.

2,596,093
SURFACE-ACTIVE POLYGLYCOL ETHERS
Peter L. de Benneville, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 28, 1950, Serial No. 152,520
7 Claims. (Cl. 260—611)

1. A process for preparing a compound of the formula

$$R^1R^2R^3ArCH_2(OCH_2CH_2)_nOH$$

which comprises reacting at 80° to 150° C. about one mole of a polyglycol of the formula

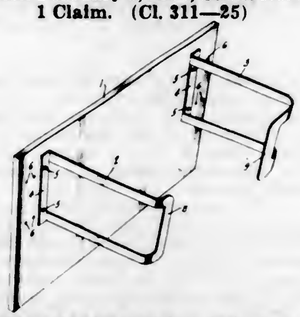
$$H(OCH_2CH_2)_nOH$$

and about one mole of a halide of the formula

$$R^1R^2R^3ArCH_2X$$

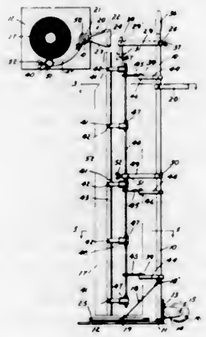
in the presence of about one mole of an alkali metal hydroxide, R^1 being an alkyl group of 6 to 18 carbon atoms, R^2 and R^3 being members of the class consisting of hydrogen and the methyl group, Ar being a member of the class consisting of benzene and naphthalene groups, n being a number from 6 to 40 and at least of sufficient size to ensure the dispersibility of the compound in water, and X being a halogen from the class consisting of chlorine and bromine.

2,596,094
SELF-ELEVATED LAP DESK
Edith Anne Berman, Washington, D. C.
Application February 9, 1950, Serial No. 143,235
1 Claim. (Cl. 311—25)



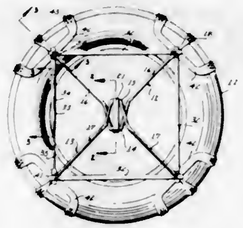
A portable self-elevated lap desk comprising a small substantially rectangular plate adapted to overlie the lap of a person in sitting position upon a chair, and an integral vertical support of sheet material fixedly mounted on the bottom of said plate forwardly of each end of said plate, and extending downwardly from said plate with an inwardly turned extremity for resting with a high degree of stability on the top of the chair and retained in place by the superposition of the rear side of the forward portions of the thighs of the person upon each extremity of said supports, each of said supports being formed by spaced legs which are bridged by a mounting flange at the upper end thereof and the inwardly turned extremity at the lower end thereof.

2,596,095
PORTABLE LARGE ROLL PAPER HOLDER AND CUTTER
Stanley J. Bina, Grand Forks, N. Dak.
Application July 20, 1951, Serial No. 237,755
2 Claims. (Cl. 242—55.5)



1. In a paper holder and cutter, the combination of a main frame rod, a frame base secured to said frame rod and adapted to support a roll of paper, a swinging rod, means for supporting said swinging rod from said frame rod, said supporting means comprising a plurality of spaced arms, each of said arms being formed by link members having their respective inner ends pivoted together, and their outer ends pivoted respectively to said frame rod and swinging rod, a cutter bar, and means for supporting said cutter bar from said swinging rod, said last-named supporting means comprising a plurality of spaced arms, each of said last-named arms having one end secured to the cutter bar and the opposite end pivoted to the swinging bar, means for urging said cutter bar toward the roll of paper, said urging means comprising a wire spring having one end secured to the swinging rod and the other end pressing on the face of said last-named arm.

2,596,096
AUTO TIRE NONSKID DEVICE
Carl S. Brandvold, Cut Bank, Mont.
Application December 21, 1950, Serial No. 202,101
4 Claims. (Cl. 152—218)

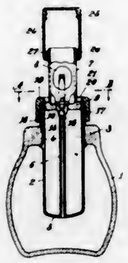


1. A traction device for a motor vehicle wheel having an outer peripheral tread comprising a pair of substantially U-shaped frame members each having a pair of side arms and a bight portion connecting said side arms, said frame members being arranged in opposing relation with their bight portions overlapping, respective hook-like shoe members rigidly carried at the ends of the side arms of the frame members and arranged to engage transversely over the tread of the motor vehicle wheel, each shoe member being provided with a roughened ground-engaging outer surface, and spring means mounted between the bight portions of said frame members and urging said bight portions apart, whereby inward clamping pressure is exerted on the tread of the vehicle wheel by said shoe members.

2,596,097
SPRINKLING BOTTLE OR SPRAY
Emil Dünfründ, Cologne-Ehrenfeld, Germany
Application December 28, 1950, Serial No. 203,133
In Switzerland January 9, 1950
5 Claims. (Cl. 299—88)

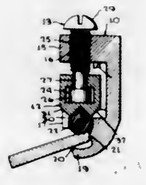
5. A spray device comprising an air bulb, a liquid container supported in said air bulb and having an open end extending therebeyond, a sleeve member having a wall and a base, a joint member securing said sleeve member to said container, a dip tube extending from said container terminating in an open end within said sleeve member, and an air tube passing from said bulb through said container into said sleeve member to a point adjacent the exposed end of said dip tube, said sleeve member having an opening through said wall adjacent said base

and an aperture through said base opening into said container, and a cap carried by said sleeve member for covering said opening for the



sprayed liquid when the spray is not in use, said wall and joint member defining an annular channel communicating with said aperture.

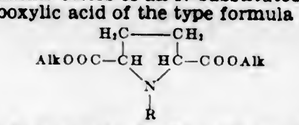
2,596,098
LAWN MOWER SHARPENER
Harry C. Burnham, Portland, Oreg.
Application April 10, 1951, Serial No. 220,179
3 Claims. (Cl. 76—82.1)



1. A hand tool for sharpening a lawn mower blade having parallel faces and a beveled edge comprising a frame including a first portion of substantially triangular shape and a second portion of substantially rectangular shape extending along the base edge of said portion of triangular shape, a rib projecting from one side of said frame along the base edge of said first portion and having an elongated notch intermediate its length, an elongated abrader of substantially circular cross-sectional shape disposed in said notch and supported at its ends on said rib at the ends of said notch, said abrader being adapted to engage one face of an associated blade adjacent the beveled edge of the latter and provide in the face of the blade engaged thereby a shallow groove of rounded cross-sectional shape terminating laterally at the beveled edge of the blade, a tongue extending from said one side of the frame along the edge of said second portion remote from said first portion and terminating outwardly in a bearing edge adapted to engage the face of an associated blade opposite the blade face engaged by said abrader in opposition to the latter, a flat bead on said one side of said frame between said abrader and said tongue adapted to engage the beveled edge of an associated blade and guide the tool along the edge of a blade, a clamp block disposed against said one side of the frame and engaging said abrader at the side of the latter remote from said tongue, and means connected between said frame and said clamp block releasably holding said clamp block in engagement with said abrader.

2,596,099
AMINOESTERS OF N-SUBSTITUTED PYRROLIDINE 2,5-DICARBOXYLIC ACIDS
Arthur Joseph Hill, Jr., and John Thomas Maynard, Wilmington, Del., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 28, 1946, Serial No. 719,108
5 Claims. (Cl. 260—326.3)

1. Alkamine esters of an N-substituted pyrrolidine carboxylic acid of the type formula



in which R is a radical selected from the group consisting of the alkyl radicals of 1–6 carbon atoms, cycloaliphatic radicals of 6–8 carbon atoms, aryl radicals of 6–8 and 10 carbon atoms, and aralkyl radicals of 7–9 carbon atoms; and Alk is the alkamine radical of a tertiary amino monohydric alcohol.

2,596,100
OBTENTION OF METALLIC ANTIMONY
Jean Joseph Listrat, Noyelles-Godault, France, assignor of one-half to Societe Anonyme dite: Societe Miniere et Metallurgique de Penarroya, Paris, France, a corporation of France
No Drawing. Application February 11, 1948, Serial No. 7,730. In France October 30, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 30, 1966
2 Claims. (Cl. 75—69)

1. A method for directly obtaining metallic antimony from rich sulphurized antimony ores, consisting in heating a mass of ore up to the melting point of the mass, cutting off the external heating and blowing hot air at points inside the mass at such a temperature and in such a quantity that the temperature of the zone of the mass adjacent the points of injection of the air is raised above the dissociation temperature of the trisulphide ore, the remainder of the mass remaining a little above the melting temperature.

2,596,101
COATING COMPOSITIONS CONTAINING PETROLEUM RESINS
Lee Pritzker, Baltimore, Md.
No Drawing. Application August 16, 1946, Serial No. 691,171
16 Claims. (Cl. 106—24)

1. A coating composition consisting essentially of a tough, rubber-like, resilient resin of petroleum long-chain unsaturated hydrocarbons produced by air blowing at 450 to 575° F. of a propane precipitated viscous material from propane dewaxed straight cylinder stock of paraffin base petroleum origin, a non-polar volatile solvent therefor in an amount which would produce a gel with the resin, and a polar solvent in amount to give the composition paint fluidity.

2,596,102
PROCESS OF PREPARING CYCLOHEXENE
Hans F. Rickert, Leverkusen-Bayerwerk, Eberhard Stein, Leverkusen, and Otto Bayer, Leverkusen-Bayerwerk, Germany, assignors to Farbenfabriken Bayer, Leverkusen, Germany
No Drawing. Application September 27, 1950, Serial No. 187,152. In Germany September 21, 1949
5 Claims. (Cl. 260—666)

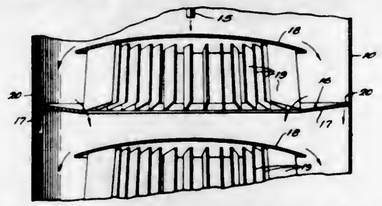
1. In the process of manufacturing cyclohexene the step which comprises heating a halogeno-

cyclohexane in contact with a compound of the group consisting of carbazole, N-alkyl carbazoles and halogeno derivatives to a temperature at which hydrogen halide is split off from the halogeno-cyclohexane, and not in excess of the boiling temperature of said compound of the group consisting of carbazole, N-alkyl carbazole and halogeno derivatives.

2,596,103
CRYSTALLINE CALCIUM ASCORBATE AND METHOD OF PREPARING SAME
Simon L. Ruskin, New York, N. Y.
No Drawing. Application March 28, 1947, Serial No. 738,002
2 Claims. (Cl. 260—344.5)

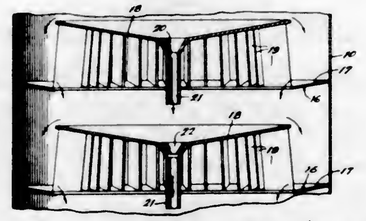
1. Stable non-hydroscopic crystalline calcium ascorbate dihydrate having two molecules of water per molecule of calcium ascorbate.

2,596,104
COLUMN APPARATUS
Claude B. Schneible, Detroit, Mich.
Application November 22, 1947, Serial No. 787,533
5 Claims. (Cl. 261—79)



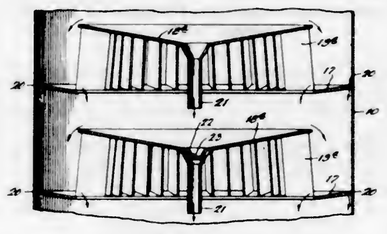
1. In a column of the character set forth wherein a gas is caused to move upwardly in an annular pattern, a casing providing an elongated chamber having an inlet at one end and an outlet adjacent the other, baffles extending across said chamber at spaced intervals, said baffles comprising rings, plates spaced from said rings and extending inwardly thereof, and vanes between the spaced rings and plates, said plates being inclined downwardly at an angle which necessarily directs liquid upon the casing above said rings, said rings providing normally open vertical openings therethrough immediately adjacent to said casing adapted to permit streams of liquid to flow downwardly continuously along the inner walls of said casing past said rings, and means for discharging liquid upon said baffles.

2,596,105
COLUMN APPARATUS
Claude B. Schneible, Detroit, Mich.
Application November 22, 1947, Serial No. 787,534
7 Claims. (Cl. 261—79)



1. In apparatus for producing an intimate contact between liquids and gases wherein a gas is caused to move upwardly in a rotating spiral having a rarefied core to atomize a downwardly flowing liquid, a column providing a vertical chamber, baffles spaced apart in said chamber and comprising spaced rings, plates, and inclined vanes between the rings and plates, and means for discharging liquid onto the plate of at least one of said baffles, and at least some of said plates having a central opening adapted to discharge a portion of said liquid onto the plate below through the rarefied core of said rotating gas spiral, the structural elements within said vertical chamber being arranged to provide an open path of communication extending in a continuous vertical line from said central opening to the plate immediately therebelow, whereby said liquid portion passes downwardly without being atomized by said gas.

2,596,106
COLUMN APPARATUS
Claude B. Schneible, Detroit, Mich.
Application November 22, 1947, Serial No. 787,535
5 Claims. (Cl. 261—79)



1. In apparatus for producing an intimate contact between liquids and gases wherein a gas is caused to move upwardly in a rotating spiral having a rarefied core to atomize a downwardly flowing liquid, a casing providing a chamber, vertically superposed baffles spaced apart in said chamber, each baffle comprising a ring and a plate thereabove with inclined vanes extending between said ring and plate, and means for discharging liquid onto the plate of an upper baffle, said liquid-receiving plate having a central opening adapted to discharge a portion of said liquid onto the plate below through the rarefied core of said rotating gas spiral, the space between said central opening and the plate immediately therebelow being unobstructed, and the ring associated with said liquid-receiving plate having bypass openings therethrough, whereby portions of said liquid are by-passed downwardly on the inside and outside of said rotating gas without being atomized by said gas.

2,596,107
USE OF CARBALKOXY HYDROXY BENZOCOUMARIN AGAINST FUNGI
Milton Silverman, Forest Hills, and Bernard Heinemann, De Witt, N. Y., assignors to Schieffelin & Co., New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1948, Serial No. 63,608
8 Claims. (Cl. 167—33)

1. Method of inhibiting the growth of fungi by treating them with 3-carbalkoxy-4-hydroxy-benzocoumarin.

2,596,108

NITRO SUBSTITUTED PRODUCTS OF DI(ALKOXYPHENYL)ETHANE

Gino R. Treves, New York, N. Y., assignor to Schieffelin & Co., New York, N. Y., a corporation of New York

No Drawing. Application April 20, 1948, Serial No. 22,237
2 Claims. (Cl. 260—483)

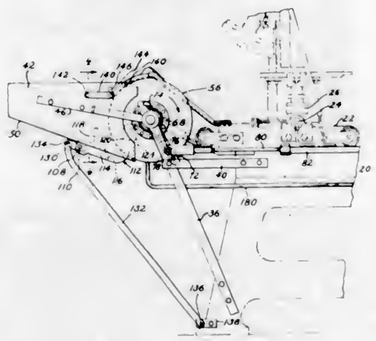
1. A 1,2-di(o-alkoxy - p - nitrophenyl) ethane compound in which each ethane carbon atom is substituted by an acyloxy group, said alkoxy group having from 1 to 7 carbon atoms and consisting of the group RO— in which R is a hydrocarbon moiety selected from the class consisting of alkyl and phenyl, and said acyloxy group having from 1 to 7 carbon atoms exclusive of the carbonyl carbon and consisting of the group RCOO— in which R is a hydrocarbon moiety selected from the class consisting of alkyl and phenyl.

2,596,109

AUTOMATIC WORK FEEDING MECHANISM

Gail C. Abbott, South Whitley, Ind., assignor to Grip Nut Company, South Whitley, Ind., a corporation of Illinois

Application August 27, 1946, Serial No. 693,173
2 Claims. (Cl. 10—164)



1. In work feeding mechanism, a hopper, a member rotatably mounted for movement in a fixed path through said hopper, spaced means on said member operable in its movement through the hopper to pick up and convey individual work pieces externally of the hopper, a work receiving chute having an entrance end positioned in the path of the work pieces carried by said member and receiving the individual work pieces therefrom, means for operating said work pick-up member, means movably connected with the bottom of the hopper including an element extending within the hopper, and means on said pick up member engaging said element to actuate said last named means and agitate the work pieces and vertically vibrate the hopper.

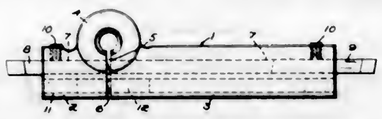
2,596,110

RESILIENT TOOLHOLDER

Edmond J. Adrien, Lynn, Mass.

Application May 9, 1946, Serial No. 668,499
2 Claims. (Cl. 29—96)

1. A tool holder comprising, in combination, a section arranged to be held fixed, a tool holding section in longitudinal alignment with said fixed section, a resilient spring member joining said sections and normally maintaining them in longitudinally spaced relation, sockets in each of said sections disposed in longitudinal alignment with each other and extending in a direction parallel to the longitudinal axis of said sections, and a rigid unbendable rod extending a substantial distance into said socket of the fixed section with pressed fit and into substantially the entire length of said socket of the tool holding section with sliding fit, whereby said sections are locked against any movement relative to each other except axially of the tool holder.



2,596,111

GENERAL UTILITY CLAMP

Harvey D. Ahlstrom and Ermald N. Foltz, Oneida, Wis.

Application September 7, 1948, Serial No. 48,144
2 Claims. (Cl. 223—88)



1. In a structural assemblage of the class described, in combination, a wire adapter and applicator unit having a U-shaped saddle at one end adapted to be hung on a relatively stationary rod member, a pair of arms extending in spaced parallelism in respect to each other and at right angles from said saddle, and a pair of lever-forming limbs connected to end portions of said arms and extending at right angles from said arms, and a gripper unit, said unit being a substantially U-shaped rigid metal frame embodying spaced parallel arms, one arm being disposed at right angles to the first-named arms and resting against said saddle, the bight portion of the frame being substantially parallel to one of the first-named arms, and the remaining arm on the U-shaped frame being at right angles to and engageable with the first-named arms.

2,596,112

TROUSER BLOUSING METHOD

Andrew A. Aines, United States Army, Petersburg, Va.

Application September 24, 1948, Serial No. 51,004
2 Claims. (Cl. 2—314)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of blousing trouser bottoms which comprises coupling a strap means to the wearer's shoe at a point slightly below the top thereof, raising the trouser bottom to a point adjacent the top of the shoe with the bottom of the trouser slightly overlapping the top of the shoe and the coupling point, applying the strap means about the trouser bottom to bind it to the wearer's leg at a point just above the shoe top,



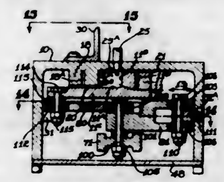
thereby causing excess trouser material to fold down over the shoe top.

2,596,113

BRIDGE-TYPE PRECISION ANTENNA STRUCTURE

Karl A. Allebach, Los Angeles, Calif., assignor to Gilfillan Bros., Inc., Los Angeles, Calif., a corporation of California

Application September 18, 1948, Serial No. 49,910
19 Claims. (Cl. 250—33.63)



16. In a variable wave guide structure adapted to propagate high frequency energy as radiation, the internal cross-section of said wave guide structure being variable to alter the apparent wave length of such radiation, said wave guide structure comprising: a relatively stationary wave guide member, a relatively movable wave guide member cooperating with said relatively stationary wave guide member to form a substantially rectangular internal cross-sectional area of said wave guide, means adjustably supporting said movable wave guide member for adjustable movement along one axis of said rectangular area, and means independent of the last mentioned means for adjustably supporting said movable wave guide member in adjusted positions along the other axis of said rectangular area.

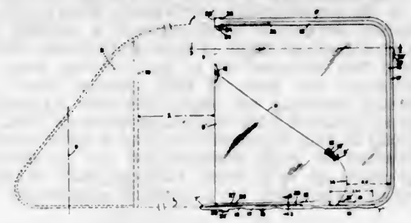
2,596,114

AUTOMOBILE AUXILIARY WINDOW MOUNTING

John F. Anderson, Oakland, Calif.

Application July 12, 1949, Serial No. 104,279
3 Claims. (Cl. 296—44)

1. In an automobile door window having a vertically slidable pane operating in a gasket lined groove, an auxiliary draft controlling pane spacedly positioned inward of the sliding pane and extending from the rear end of the window but terminating at its forward end a substantial distance short of the forward edge of the sliding pane, a thin grooved metal rim in which the margin of the auxiliary pane is seated, said rim being as a whole generally of U-shape with its two legs free for springing toward one another and of a size and shape to fit snugly within the window opening framing and provided with a lip formed to engage between the gasket liner and the



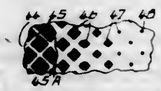
window framing, the rim being of thin springy material so that it can be distorted for progressive insertion into place and the auxiliary pane slid into place in the groove from the free ends of the rim after the rim is inserted, and releasable means for locking the auxiliary pane from reverse sliding with respect to the rim.

2,596,115

SCREENED POSITIVE FOR USE IN PREPARATION OF INTAGLIO PRINTING PLATES AND METHOD OF MAKING SAID POSITIVE

Lucien C. Austin, Newton, N. J.

Application December 26, 1945, Serial No. 637,228
4 Claims. (Cl. 95—5)



3. A method of forming a screen positive adapted for etching an intaglio printing form embodying wells of V-shaped section which comprises the steps of subjecting a sensitized soft emulsion surface to a plurality of successive exposures of a continuous tone negative, each exposure being made through both a primary screen at approximately half-tone distance from said surface and through a secondary screen in contact with said surface and in optical register with said primary screen, said secondary screen having the same linage as said primary screen but having a smaller ratio of opaque to transparent areas; each exposure being made through a different stop, three of said stops having, respectively, a substantially rectangular opening having extended corners, a substantially cross-shaped opening and a relatively small central opening, said openings being oriented with respect to said screen to form the outlines, accentuate the diagonals and corners, and form central cores in separated square distinct exposed dot like areas in gravure arrangement on said surface, with each dot having a central core of maximum exposure and gradually decreasing exposure from said core to its periphery; and developing the thus exposed surface to produce thereon a positive image of the subject made up of transparent areas and distinct separate dots of varying density.

4. As an article of manufacture, a screen positive produced in accordance with the method of claim 3.

2,596,116

AIRPLANE PRESSURE DIFFERENTIAL STALL INDICATOR

Millard John Bamber, Cabin John, Md.

Application September 16, 1948, Serial No. 49,636
3 Claims. (Cl. 200—81.9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination, an airplane wing having an upper surface, a lower surface, a leading edge and a trailing edge; a casing disposed between said two surfaces aft of said leading edge and adjacent the area of said trailing edge; said casing defining an upper chamber exposed to local pressure plus impact pressure of local velocity at said upper surface, and a lower chamber exposed to local pressure but not to dynamic pressure at said lower surface; said chambers being separated by a flexible diaphragm; an



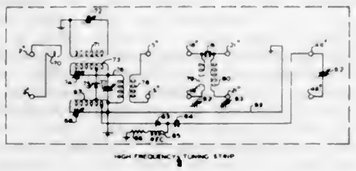
upper duct communicating with said upper chamber and extending upwardly through said upper surface; said upper duct terminating in a forwardly directed mouth; a lower duct in communication with said lower chamber extending downwardly through said lower surface and terminating therein with a downwardly directed mouth; and contact means operated by a predetermined movement of said diaphragm.

2,596,117

FREQUENCY CONVERTER SYSTEM

John F. Bell, Glenview, and Albert Cotsworth, III, Oak Park, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois

Application November 6, 1948, Serial No. 58,696
16 Claims. (Cl. 250—20)



16. A tuning strip for a turret tuner for selectively tuning a television receiver to a signal channel comprising: a supporting member including insulating material; a mixer stage including a non-linear crystal device mounted on said supporting member for heterodyning a pair of applied signals; a harmonic generator including a non-linear crystal device mounted on said strip for supplying a heterodyning signal to said mixer stage; contacts affixed to said member and coupled to said mixer stage for applying a received television signal to said mixer stage; an output circuit included in said mixer stage for deriving a preselected output signal from said mixer stage; and further contacts affixed to said member and coupled to said output circuit for supplying said output signal to a utilizing circuit of the television receiver.

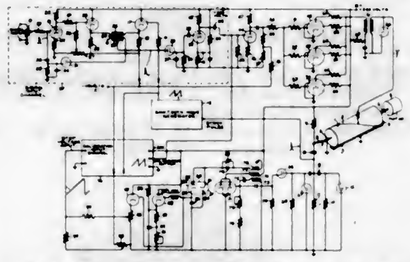
2,596,118

RECORDING DEVICE

Alfred F. Bischoff, Balston Spa, and Kenneth L. Boring, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application August 20, 1949, Serial No. 111,538
9 Claims. (Cl. 346—33)

9. In a recorder, the combination comprising, a rotatable helical conductor, means for producing a synchronizing signal at the beginning of each revolution of said conductor, saw tooth voltage generating means connected to receive said synchronizing signal for producing a saw tooth voltage wave initiated in response to said synchronizing signal, step voltage generating means energized by said synchronizing signal for producing a step voltage wave having a predetermined voltage change in response to successive synchronizing signals, a first coincidence network connected to receive said saw tooth voltage wave and a signal voltage to be recorded and to supply voltage pulses to said helical conduc-



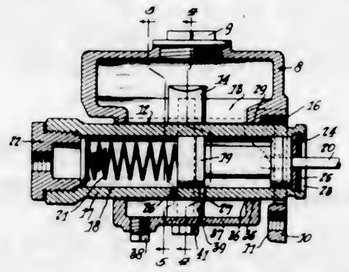
tor whose time of occurrence relative to the time of said synchronizing signal represents the instantaneous amplitude to a received signal voltage, and a second coincidence network connected to receive said saw tooth voltage and said step voltage and to supply calibrating voltage pulses to said helical conductor whose time of occurrence relative to said synchronizing signal is determined by the amplitude of said step voltage change.

2,596,119

MASTER CYLINDER STRUCTURE FOR HYDRAULIC BRAKE SYSTEMS

Alexander Blackman, New Orleans, La., assignor of one-half to Joseph C. Hare, New Orleans, La.

Application December 14, 1950, Serial No. 200,797
16 Claims. (Cl. 60—54.6)



1. A master brake cylinder structure for use in hydraulic brake systems and comprising, a top main reservoir unit having a reservoir chamber and a filler cap through which said chamber can be filled with brake fluid and a bracket extension

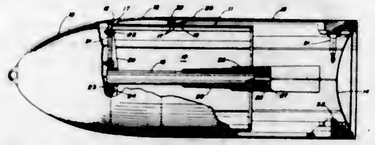
adapted to be rigidly secured to a support, an intermediate cylinder unit having a cylinder, and a bottom unit providing a sediment collecting chamber beneath the cylinder, means affording fluid communication between said reservoir chamber and said collecting chamber, inlet and escape ports opening from the cylinder for communication with the fluid, and means for removably securing said three units in assembly relation.

2,596,120

VARIABLE LENGTH TORPEDO HEAD

Thomas C. Boyle, Altadena, Calif.

Application October 13, 1949, Serial No. 121,082
2 Claims. (Cl. 114—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In an exercise head for any given one of a plurality of torpedoes of uniform diameter but differing in length; a nosepiece comprising a forwardly pointed ogival hydrofoil portion and a rearwardly extending cylindrical telescopic portion of uniform diameter less than that of the ogival hydrofoil portion, said nosepiece being formed with a rearwardly facing annular shoulder at the juncture of said forward and rearward nosepiece portions; a cylindrical body member having an outer hydrofoil surface terminating at one end in a forwardly facing annular shoulder defining an opening telescopically receiving the cylindrical portion of said nosepiece; a spacer ring encircling said cylindrical portion between said annular shoulders, said ring being of a width chosen to fix the overall length of said exercise head commensurate with the length and buoyance characteristics of said given torpedo and being provided with an exterior hydrofoil surface forming a continuous streamline contour with said nosepiece hydrofoil portion and the outer hydrofoil surface of said body member upon interposition therebetween; and releasable fastening means drawing said nosepiece and body member into a telescoped positional relationship such that said spacer ring is tightly clamped between said annular shoulders.

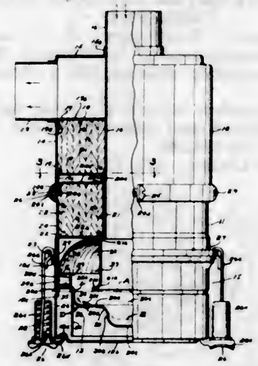
2,596,121

STACK-TYPE OIL BATH FILTER

Jacob K. Brixius, Cleveland, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware

Application July 28, 1949, Serial No. 107,255
8 Claims. (Cl. 183—15)

1. In a liquid washed filter, the combination of a generally cylindrical housing positioned with its axis vertical, top and bottom walls substantially closing said housing, an inlet for a dirty gaseous stream comprising a tube positioned axially of said housing, said tube leading into the top of said housing and terminating at its mouth above the bottom wall of said housing, there being an outlet from said housing near the top thereof, a double cup member in said housing and spaced below the mouth of said tube, said cup member having larger and smaller concentric connected cup portions with the smaller cup portion depressed below the larger cup portion, the bottom of said larger cup portion extending radially outwardly from the upper edge of said smaller cup portion and then turning upwardly to provide a vertical rim, a flange extending outwardly from the mouth of said tube, said bottom of said larger cup portion being lower than the mouth of said tube and said rim being spaced radially outwardly from the flange of said tube, said rim ending at a level above the mouth of said tube, there being spaced openings extending through the bottom of one of said cup portions,



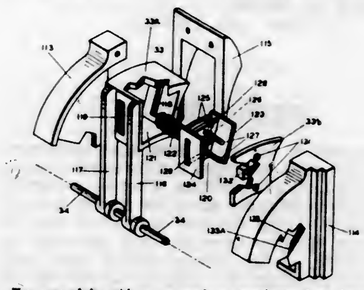
baffles above said openings inclined outwardly and upwardly, an imperforate cylindrical partition wall forming a skirt generally concentric inside said housing and extending from said rim to a point near the bottom wall of said housing, two portions of foraminous filter material spanning the annular space between said tube and said housing above the mouth of said tube and below said outlet, there being an open space between said tube and said housing between said filter portions, and normal oil level indicia at a level just below the mouth of said tube.

2,596,122

PARKING METER AND COIN SLOT THEREFOR

Robert Broussard, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill., a corporation of Illinois

Original application March 27, 1945, Serial No. 585,152. Divided and this application July 18, 1946, Serial No. 684,579
7 Claims. (Cl. 194—101)



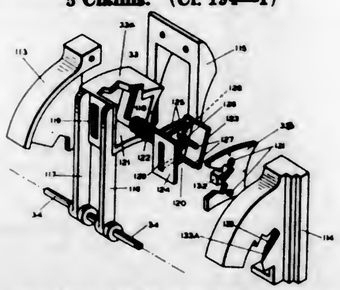
1. In combination, a coin receiver having separately disposed vertical slotted inlet and outlet openings therein, coin passage means forming a part of said receiver, means for laterally shifting said passage means alternatively into registry

with said inlet and outlet openings for enabling the discharge of a coin in either direction therefrom to said openings, and detector means for contacting and restraining a spurious coin from being discharged from said passage means to said outlet opening but releasing such spurious coin for discharge through said coin passage means to the inlet opening.

2,596,122
PARKING METER AND COIN SLOT THEREFOR

Robert Broussard, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill., a corporation of Illinois

Original application March 27, 1945, Serial No. 585,152. Divided and this application July 18, 1946, Serial No. 684,580
5 Claims. (Cl. 194—1)



1. A coin feed device comprising, in combination receiver means horizontally mounted for forward and back movement in a vertical plane and having vertical inlet and outlet openings therein positioned obliquely to each other, and means forming a part of said receiver means and operated by the forward and back movement thereof for laterally shifting an inserted coin from alignment with said vertical inlet in the back position to alignment with the vertical outlet upon forwardly moving said receiver means.

2,596,124
PARKING METER

Robert Broussard, Washington, D. C., assignor, by mesne assignments, to Duncan Parking Meter Corporation, Chicago, Ill., a corporation of Illinois

Original application March 27, 1945, Serial No. 585,152. Divided and this application July 18, 1946, Serial No. 684,581
1 Claim. (Cl. 161—15)

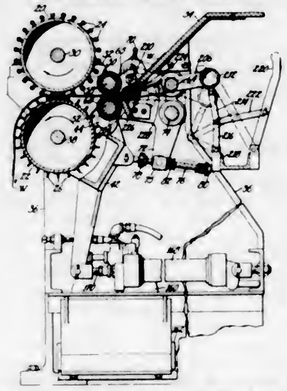


In apparatus of the class described, in combination, a face plate having a timing scale thereon and a multiplicity of openings therein, a cooperating back plate slidably mounted on the back of said face plate having thereon two sets of legends for alternate display through said openings in said face plate, spring means urging said back plate in one direction for displaying one set of legends through the openings of said face plate, lever means pivotally mounted on the back of said face plate for moving said back plate in another direction for displaying the other set of legends through the openings of said face plate, and a timing pointer movable over said timing scale of said face plate and contacting said lever means at one extreme position thereof to move said back plate against the action of said spring means to display said one set of legends and releasing said lever means and back plate to the action of said spring means, in being moved away from said extreme position, to display said other set of legends.

2,596,125
THROUGH-FEED STAKING MACHINE

Charles R. Campbell, Jr., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application May 23, 1951, Serial No. 227,889
8 Claims. (Cl. 69—34)



1. A through-feed staking machine comprising main staking tools, means for feeding a leading major portion of a spread-out workpiece thereto for treatment, and supplementary staking mechanism mounted in advance of said staking tools to treat the trailing portion of the workpiece, said mechanism including staking members engageable with opposite sides of the advancing workpiece, and means for effectively positioning said members with respect to the trailing portion.

2,596,126
METHOD FOR SEPARATING DIARYL-2-IMINO HYDANTOINS FROM THE CORRESPONDING 2,5-DI-IMINO GLYCOLURILS

Homer W. Carhart, Washington, D. C., and Peyton C. Teague, Forest Hills, Md.

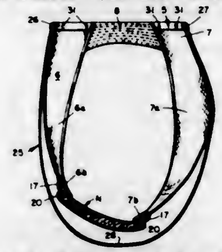
No Drawing. Application February 24, 1943, Serial No. 476,930
6 Claims. (Cl. 260—309)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Method for separating a mixture comprising essentially 2-imino-5,5-diaryl hydantoin and 2,5-diimino-7,8-diaryl glycoluril which comprises preparing an aqueous slurry of said mixture, adding a mineral acid to said slurry until most of the solids are dissolved, adding a salt of a strong base and weak acid to said slurry until the pH thereof is between about 2.8 and about 3.0, removing the precipitated material consisting essentially of the 2-imino-5,5-diaryl hydantoin from the solution, adding a strong base to the solution until no further precipitation takes place and removing the precipitated 2,5-diimino-7,8-diaryl glycoluril from the solution.

2,596,127
SANITARY BELT

Gladys M. Carmean, Los Angeles, Calif.

Application March 20, 1950, Serial No. 150,661
1 Claim. (Cl. 128—288)

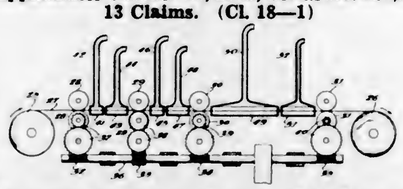


In a garment of the character described, the combination of a waist encircling member comprised of front and rear triangular fabric strips having their apices disposed downwardly and presenting napkin retaining loops, relatively short elastic webs connected at their ends to the side edge portions of said respective strips at and adjacent the tops thereof, the top portions of said strips being of greater combined length than the combined length of said webs whereby to cause said strips to confine the front and rear portions of the wearer in the manner of a girdle, and a protective shield detachably connected at its respective ends to the top portions of said respective strips and depending therefrom, said shield being substantially wider than the apex portions of said strips.

2,596,128
METHOD AND APPARATUS FOR PRODUCING FINE FIBERS

Marc A. Chavannes, New York, N. Y., and John C. Elliott, Madison, Wis., assignors, by mesne assignments, to Chavannes Synthetic Fibres, Inc., a corporation of Delaware

Application October 17, 1949, Serial No. 121,855
13 Claims. (Cl. 18—1)



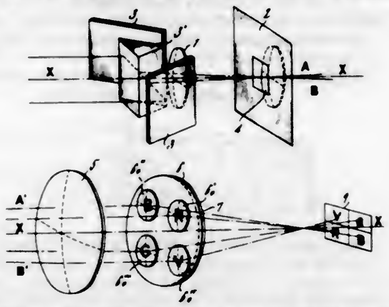
6. Apparatus for producing a fine fiber comprising four sets of fiber feeding rollers, three separate fiber heating means, one of said heating means being disposed between each adjacent pair of sets of rollers, means for driving said first and third sets of rollers at approximately the same peripheral speed, means for driving said second set of rollers at a peripheral speed less than that at which said first and third sets of rollers are driven, and means for driving said fourth set of rollers at a speed greater than the speed at which said first and third sets of rollers are driven.

2,596,129
DEVICE FOR FOUR-COLOR STEREOSCOPIC CINEMATOGRAPHY BASED ON ADDITIONAL SYNTHESIS

Luigi Cristiani, Florence, Italy

Application October 12, 1949, Serial No. 120,938
In Italy October 16, 1948
1 Claim. (Cl. 88—16.6)

An optical device for stereoscopic color cinematography comprising a forward objective, a double pair of mirrors immediately disposed before said forward objective and spaced so as to provide a stereoscopic basis, a window, a field lens for collecting pencils comings from said forward objective, an intermediate objective to which said pencils are conveyed, the focus of said field lens and said intermediate objective being positioned in said window, whereby rays of light coming from said intermediate objective form parallel pencils, a group of four identical

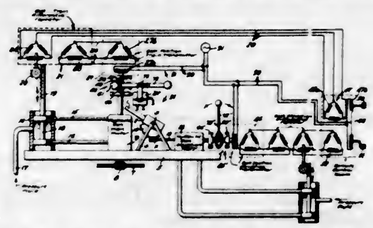


dividing objectives disposed in the same plane and having their optical axes parallel and at equal distances from the axis of the optical device, two of said dividing objectives displacing light rays coming from the right image and the other two objectives displacing light rays coming from the left image, and filter means adjacent said four dividing objectives and extending substantially to the entire wall area thereof, through which said dividing objectives project the pairs of images adjacent each other onto a surface.

2,596,130
MANUALLY OPERATED TELEMETRIC GUN CONTROL SYSTEM

Earl C. Cunningham, Waco, Tex.

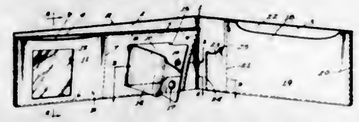
Application June 28, 1945, Serial No. 602,140
7 Claims. (Cl. 89—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a control system for a gun having a reversible hydraulic motor connected to rotate the gun about a predetermined axis, control means for said motor comprising a valve, a repeater having stationary field coils and an armature, a driving connection between said repeater armature and said valve, a first transmitter having its field coils connected to the field coils of said repeater so that the fields induced thereby rotate in synchronism, a second transmitter having its field coils connected with the armature of said repeater so that the fields induced thereby rotate in synchronism, means connecting the armatures of said transmitters for synchronous energization by a source of alternating current, manually operable means connected to rotate the armature of said second transmitter, and

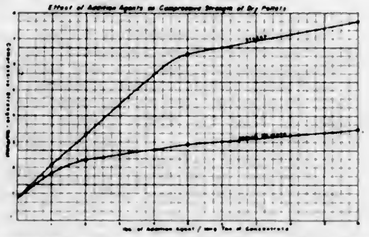
means operable to selectively connect the armature of said first transmitter to be operated by and in accordance with the operation of said motor, or to lock said armature against movement relatively to its field coils while simultaneously disconnecting the same from said motor.

2,596,131
COMBINATION BOOKHOLDER AND POCKET CONSTRUCTION
William Sinkler Darby, Baltimore, Md., and Paul Bentley Thomas, Philadelphia, Pa.; said Darby assignor to said Thomas
Application August 8, 1947, Serial No. 767,570
1 Claim. (Cl. 150—34)



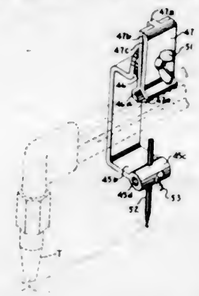
As a new article of manufacture, a holder comprising an elongated rectangular sheet of a flexible material folded at its transverse center to provide two leaves of equal area, two sheets of the same material of a width and length slightly less than the width and length of one of the said two leaves, said two sheets being disposed in superposed relation upon the said one leaf and secured together therewith along one of their side and outer end edges, the outer of said sheets having its inner end edge and the adjacent half portion of its other side edge secured to the like end edge and side edge portion of the inner of said sheets, the outer of said sheets also being secured transversely from the inner terminal of the line of securement of the said adjacent half portion of its other side edge to the said inner sheet, the outer end portion of said outer sheet beyond the said transverse line of securement, together with the underlying portion of the said inner sheet, forming a side opening pocket, the outer wall of said pocket having an opening of substantial area and constituting a sight window for the exposure therethrough of an identification card or the like, a transparent sheet covering said opening a flap cut out from the center of the inner end portion of said outer sheet and constituting a closure for a pocket formed between that inner end portion and the underlying portion of said inner sheet, and means for securing said flap in its closed position.

2,596,132
IRON ORE CONCENTRATE PELLETS
Fred D. De Vaney, Hibbing, Minn., assignor to Erie Mining Company, Hibbing, Minn., a corporation of Minnesota
Application July 31, 1947, Serial No. 765,167
3 Claims. (Cl. 75—3)



1. Process of preparing indurated pellets of finely divided oxidic iron concentrates which comprises forming a plastic mixture consisting essentially of the concentrates, water and starch, by mixing the finely divided oxidic iron concentrates and from 6 to 30% by weight of water and homogeneously dispersing starch through the mixture in the proportion of from 1 to 5 pounds per long ton, dry weight, of the finely divided oxidic iron concentrates, forming the resulting mixture into small masses, protractedly rolling the small masses into raw pellets in an inclined rotary drum thereby effecting migration of starch within the pellets towards the surface layers of the pellets causing the concentration of the starch content to be highest in the outside portions of the pellets and to diminish toward the center portions, and subjecting an assemblage of the raw pellets to thermal hardening treatment during which the raw pellets are dried and thereupon are heated to a temperature materially in excess of 400° F. but below the fusion temperature of the oxidic iron.

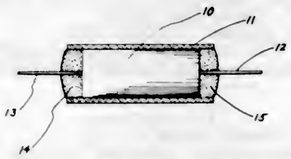
2,596,133
ATTACHMENT FOR CUTTING TORCHES
Benjamin H. Donahue and Frank H. Gallimore, Pueblo, Colo.
Application August 16, 1948, Serial No. 44,563
3 Claims. (Cl. 266—23)



1. In a center pin attachment having a body provided with upper and lower offset end portions, the lower offset end portion providing means for supporting a center pin, and the upper offset portion providing means for supporting rotatable and adjustable clamping means, and rotatable and adjustable clamping means carried by the upper offset end portion and comprising a pair of plate-like members and means engaging said members for adjusting the members relative to one another for causing them to clamp a tube of the torch structure and to hold the clamping means against movement relative to the body, one of said clamping members having heel portions whereby to adapt the clamping device for use with tubes having a wide range of diameters.

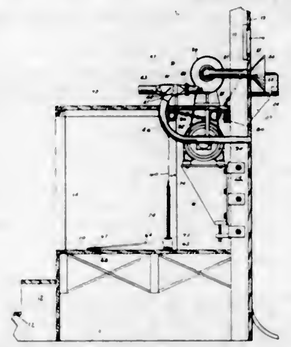
2,596,134
MEANS AND METHOD FOR EFFECTING END SEALS FOR CONDENSERS
Stanley O. Dorst, North Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application October 22, 1946, Serial No. 704,824
3 Claims. (Cl. 174—76)

1. A method of forming a moisture-proof, insulating seal between a condenser casing and a condenser terminal extending through an opening in said casing, which method comprises mechanically filling the entire space between the casing and the terminal wire adjacent to such opening with a paste from 60% to 80% by weight of finely divided non-hydrolyzable refractory ceramic material, from 10% to 20% by weight of an incompletely cured melamine-formaldehyde resin and from 10% to 20% by weight of a volatilizable dispersing agent, baking the



resultant assembly to volatilize and remove the dispersing agent from the paste, cure the resin therein and form a hard, uniformly porous seal, vacuum-impregnating the pores of said seal with a molten moisture-resistant wax, and cooling said assembly.

2,596,135
FILLING APPARATUS
Andrew J. Dowling and Edward Urbanski, Philadelphia, Pa.
Application January 5, 1946, Serial No. 639,392
12 Claims. (Cl. 226—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

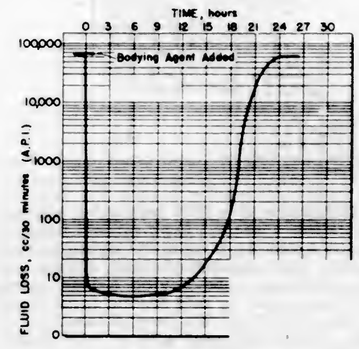


1. A filling apparatus comprising a work support, an enclosed tank adjacent said work support, a blower on said work support, an intake port extending from said blower into said tank, a valve in said intake port, an exhaust port on said blower, a tube connecting said exhaust port with said tank, a valve in said exhaust port arranged to open or close said exhaust port or said tube, and means to operate said valves simultaneously.

2,596,136
THERMOSTIFFENING SHEET MATERIAL AND PROCESS OF MAKING SAME
Wentworth A. Ernst, Hudson, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
No Drawing. Application June 27, 1950, Serial No. 170,687
11 Claims. (Cl. 117—76)

8. A shoe stiffener comprising a fabric impregnated with a mixture comprising the inital condensation product of phenol-formaldehyde and the initial condensation product of urea furfural and containing dispersed throughout the mass of resin comminuted particles comprising a mixture of Opal wax in which is incorporated a catalyst selected from the group consisting of diammonium phosphate, benzoic acid, phthalic anhydride, benzoyl peroxide, and maleic acid.

2,596,137
REMOVING DEPOSITS FROM WELLS
Clarence R. Fast, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application February 19, 1949, Serial No. 77,426
6 Claims. (Cl. 166—25)

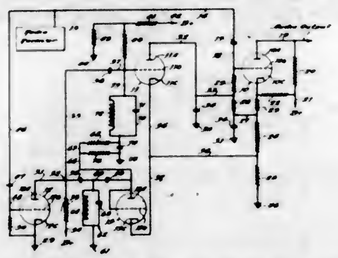


1. A method of acidizing a formation penetrated by a well comprising introducing into said well a mineral acid and a quantity of a water-soluble gum as a bodying agent for said acid, said bodying agent being in sufficient proportion to form a gel capable of breaking on prolonged standing and having a filtrate rate of less than about 100 cc. in 30 minutes using the filtration equipment and procedure described in A. P. I. Code No. 29, Second Edition, July, 1942 (Tentative), poisitioning said gel in a confined zone adjacent said formation, increasing the pressure of said gel until a formation fracture is indicated by a decrease in resistance to flow of said gel, continuing application of high pressure to force a portion of said gel into said fracture, maintaining said gel in contact with said formation for a substantial time and thereafter producing said well.

2,596,138
AMPLIFIER WITH MUTING MEANS
Nathaniel Feiner and Samuel H. Gershater, Chicago, Ill., assignors to Functional Music, Inc., Chicago, Ill., a corporation of Illinois
Application November 4, 1949, Serial No. 125,424
3 Claims. (Cl. 179—171)

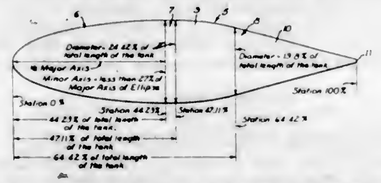
1. In an electronic amplifier, a main amplifier tube embodying a control grid adapted for connection to a signal source and also having an anode and a cathode and having a load circuit affording an audio output connection, said load circuit including a plurality of resistors connected in series with said cathode, a grid bias connection including an additional resistor and the one of said resistors that is adjacent said cathode, a control tube having a grid, an anode and a cathode, a load circuit for said control tube including a connection from the anode of said control tube through said one resistor and said additional

resistor and a connection from the cathode of said control tube to a point on the load circuit of said main tube at which during current flow in such last mentioned load circuit has a positive voltage of at least a predetermined magnitude, means operable to apply to the grid of said control tube a constant positive voltage of a magnitude less than said predetermined magnitude, a governing amplifier tube having a load circuit and having a control grid adapted to be connected to a signal source, means connecting said last mentioned load circuit with said grid of said control tube and including a first tank circuit



tuned to resonance at a first selected frequency, means including a second tank circuit tuned to resonance at a second frequency and connected between said last mentioned load circuit and ground, a rectifying tube having a load circuit operatively connected to said second tank circuit to rectify the output of said second tank circuit, and means connecting said grid of said control tube to said load circuit of said rectifying tube at a point, which during such rectifying action of said rectifying tube, has a negative-going voltage effective to reduce the current flow in the load circuit of said control tube and thus return said main amplifying tube to a conductive state.

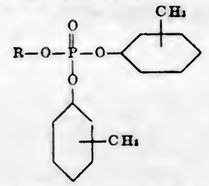
2,596,139
STREAMLINED AUXILIARY FUEL TANK
Wendell S. Fletcher, South Pasadena, Calif., assignor to Fletcher Aviation Corporation, Pasadena, Calif., a corporation of California
Application April 1, 1949, Serial No. 84,816
4 Claims. (Cl. 244—130)



1. An auxiliary tank adapted for mounting adjacent a wing surface of a high-speed airplane, comprising: a conoidal nose section of semi-elliptical longitudinal sectional contour with the major axis thereof extending longitudinally of said tank; a cylindrical intermediate section; and a tail section having a right circular conical end portion, all said sections being circular in transverse section and of the same maximum diameter and being releasably joined together at a circumferential joint defining a continuous and smooth longitudinal transition between the surfaces of said sections whereby other cylindrical intermediate sections may be added or substituted to change the capacity of said tank or to shift the center of gravity thereof.

2,596,140
MONOALKYL DICRESYL PHOSPHATE ESTERS
Harry R. Gamrath, St. Louis, and John Kenneth Craver, Webster Groves, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 17, 1950, Serial No. 144,861
11 Claims. (Cl. 260—461)

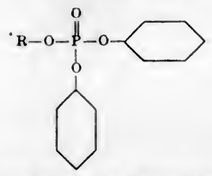
1. As new chemical compounds, the monoalkyl dicresyl phosphate esters, having the formula



wherein R represents a branched chain alkyl radical terminating with a CH_2 group and containing at least 6 and not more than 18 carbon atoms.

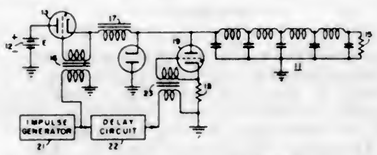
2,596,141
MONOALKYL DIPHENYL PHOSPHATE ESTERS
Harry R. Gamrath, St. Louis, and John Kenneth Craver, Webster Groves, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 17, 1950, Serial No. 144,862
11 Claims. (Cl. 260—461)

1. As new chemical compounds, the monoalkyl diphenyl phosphate esters, having the formula



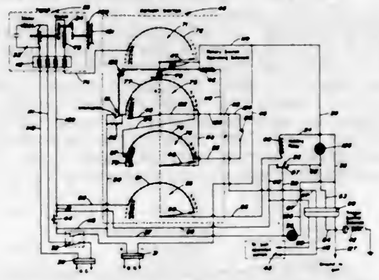
wherein R represents a branched chain alkyl radical terminating with a CH_2 group and containing at least 6 and not more than 18 carbon atoms.

2,596,142
SIGNAL GENERATOR
Harry L. Gerwin, United States Navy, Washington, D. C.
Application February 21, 1946, Serial No. 649,441
3 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A signal generator comprising an energy storage device, a source of electric current for charging said storage device, a first gas-filled space discharge device connected in series with said source and said storage device, means for initiating conduction of current through said first discharge device, a terminating impedance for said storage device, a second gas-filled space discharge device for discharging said storage device through said terminating impedance upon initiation of conduction of current through said second discharge device, and delay circuit means coupled to the first named means for initiating conduction through said second discharge device after a predetermined time interval subsequent to the initiation of conduction through said first discharge device.

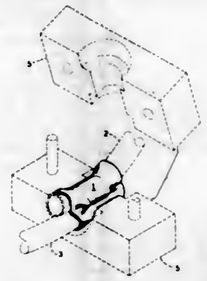
2,596,143
CYCLE RATE TIMER
Earl R. Gilbreath, Washington, D. C.
Application July 18, 1949, Serial No. 105,435
7 Claims. (Cl. 73—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electric cycle rate timer for determining the rate of fire of an automatic gun comprising a ganged multiple bank multiple step switch, each bank comprising a wipe and wiper therefor, an operating solenoid for said switch, a bolt operated switch for alternately energizing and deenergizing said solenoid thereby causing a step by step movement of said wipers relative to said wipes in accordance with the number of rounds fired, a trigger control solenoid for actuating the trigger of said gun, the wipe and wiper of one switch bank maintaining said trigger solenoid in an energized state for a predetermined number of switch steps, a timing motor, an indicator, a clutch for engaging and disengaging said indicator and motor, and a solenoid for operating said clutch, the wipe and wiper of a second switch bank permitting energization of said clutch solenoid for a predetermined number of said steps, said gun thereby being caused to fire a predetermined number of rounds and said clutch engaging said timing motor and indicator during a predetermined number of said rounds, said indicator thus denoting the rate of fire of said gun.

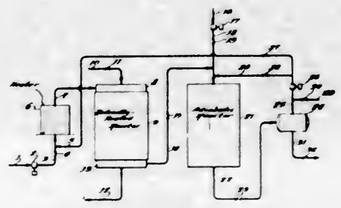
2,596,144
COUPLING FOR SHOCK ABSORBER CORDS
William J. Gilmore, United States Navy, Adrian, Mich.
Application June 6, 1946, Serial No. 674,694
2 Claims. (Cl. 287—78)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A connector for adjacent rubber cord members comprising a malleable sleeve substantially elliptical in cross section surrounding said cord members, said sleeve being crimped inwardly at its medial portion to form an inner rib on each side lengthwise of said sleeve, said sleeve constructed and arranged to receive a pair of cord members and to be compressed along its medial portion for a large portion of its length not including the ends to the extent that said cord members are compressed and reduced in cross section and shaped to two semi-circular portions



with their bases being in contact over a medial portion, the cross sectional areas of the two portions of the cord members thus compressed and shaped being less than their original cross sectional areas, the portions of said cord members immediately adjacent said compressed portions tapering to their original cross sectional areas without sharp changes in cross sectional areas.

2,596,145
METHOD OF CATALYTICALLY REFORMING HYDROCARBONS
Henry W. Grote, Downers Grove, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 21, 1948, Serial No. 66,527
4 Claims. (Cl. 196—50)



1. A process for the simultaneous reforming of gasoline stocks of relatively high and low naphthene content, which comprises subjecting a substantially olefin-free straight-run gasoline fraction containing naphthenes and paraffins to catalytic dehydrogenation to convert naphthenes to aromatics and form hydrogen, commingling with the resultant hydrogen-containing product a substantially olefin-free, predominantly paraffinic, naphthene-lean gasoline fraction in an amount sufficient to lower the aromatic content of the mixture to below about 25%, and then subjecting the mixture to the action of a hydrocracking catalyst comprising platinum, alumina and halogen maintained under hydrocracking conditions to convert higher boiling paraffins into lower boiling paraffins.

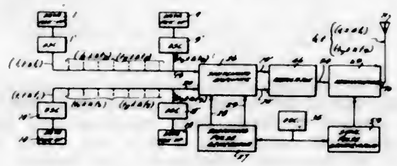
2,596,146
WELL PUMPING SYSTEM
Marcus W. Haines, Long Beach, Calif., assignor to Vernon Tool Co. Ltd., Alhambra, Calif., a corporation of California
Application March 17, 1945, Serial No. 583,355
4 Claims. (Cl. 103—5)



1. Apparatus for pumping liquids from wells comprising the combination of, an outer pipe extending from the surface down into the well, a rod-operated pump of the reciprocating displacement member type associated with the outer pipe and adapted to raise a column of well fluid through that pipe to the surface, a pump operating rod extending down within the outer pipe and connected to the displacement member of the pump to operate it by vertical reciprocation, an inner tube immediately surrounding the pump rod throughout a substantial portion of its vertical length, an imperforate piston fixedly mounted on the pump rod to reciprocate with the rod in and near the lower end of the inner tube above the displacement member and exposed on its upper face to the pressure of fluid above it in the inner tube, and means for maintaining a body of relatively non-viscous fluid above the piston in the inner tube around the pump rod at a pressure which at least substantially balances the pressure of the well fluid column at the lower end of the inner tube.

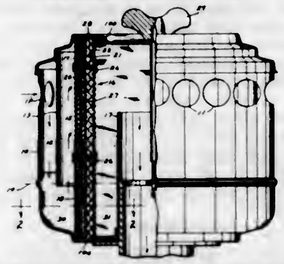
2,596,147
TELEMETERING SYSTEM
William Hampton and George W. Neuhard, Dayton, Ohio
Application March 23, 1950, Serial No. 151,508
2 Claims. (Cl. 177—351)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A telemetering system comprising a transmitting station, a receiving station and a single channel transmission means between said stations; said transmitting station comprising a plurality of groups of subcarrier wave generating means, the frequencies of the generated subcarrier waves being distinct in each group but extending over the same frequency band in all groups; means associated with each of said subcarrier wave generating means for modulating the generated subcarrier wave with a data signal; carrier wave generating means; a modulator associated with said carrier wave generating means for modulating said carrier wave in accordance with the signals applied to said modulator; cyclic switching means interposed between said groups of subcarrier wave generating means and said modulator for applying said groups of modulated subcarrier waves to said modulator in succession for substantially equal intervals of time during each cycle of operation of said cyclic switching means; said cyclic switching means comprising a plurality of normally inoperative gated amplifiers equal in number to the number of groups of subcarrier waves, with the subcarrier wave generating means in each group connected to the input of a corresponding one of said gated amplifiers and with the output circuits of said amplifiers connected in parallel to said modulator; a continuously cycling switching pulse generating means for generating in each cycle a plurality of successive rectangular switching pulses equal in number to the number of gated amplifiers and of substantially equal duration; means for applying each of said switching pulses to a corresponding gated amplifier for rendering the amplifier operative for the duration of the pulse; means for generating a synchronizing pulse coincident with the leading edge of the first switching pulse produced in each cycle of operation of said switching pulse generating means; means for applying said synchronizing pulses to said modulator for modulating said carrier wave; and means for impressing said modulated carrier wave on said single channel transmission means; said receiving station com-



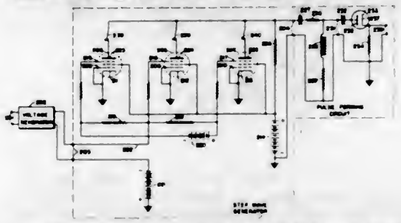
prising means for receiving said modulated carrier wave from said single channel transmission means and for demodulating said carrier wave to produce the original modulation consisting of synchronizing pulses and successively occurring groups of modulated subcarrier waves; means for separating said synchronizing pulses from said modulated subcarrier waves; switching means comprising a plurality of normally inoperative gated amplifiers equal in number to the number of groups of subcarrier waves; means for applying said groups of modulated subcarrier waves to the input circuits of said gated amplifiers in parallel; a plurality of branch circuits equal in number to the number of groups of modulated subcarrier waves; means connecting each branch circuit to the output circuit of a corresponding gated amplifier; actuating means for said switching means comprising means for cyclically generating a plurality of successive rectangular switching pulses equal in number to the number of gated amplifiers and of substantially equal duration; means for applying said synchronizing pulses to sad actuating means for initiating cycles of operation of said actuating means and for synchronizing the operation of said switching means with that of the cyclic switching means in said transmitter in order to channel each of said groups of subcarrier waves into its corresponding branch circuit; and means in each of said branch circuits for separating and demodulating the modulated subcarrier waves therein to reproduce the original data signals.

2,596,148
BAFFLE CONSTRUCTION FOR OIL BATH FILTERS
Robert Gorden Hanneman, Shaker Heights, and Jacob K. Brixius, Cleveland, Ohio, assignors to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application April 17, 1947, Serial No. 742,016
4 Claims. (Cl. 183—15)



1. In a liquid bath filter comprising a housing having a bottom wall supporting a liquid bath reservoir and having a filter element composed of a plurality of foraminous layers and having means for directing gaseous flow through said filter element, said element resting upon said bottom wall, the improvement consisting of a substantially impervious baffle sheet supported between two of said layers, said sheet extending from said bottom wall upwardly substantially to the normal liquid level of said reservoir.

2,596,149
ELECTRICAL WAVEFORM GENERATOR
Daniel J. Hilferty, deceased, late of Riverdale, Md., by Ethel M. Hilferty executrix, Riverdale, Md.
Application April 10, 1946, Serial No. 661,044
5 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

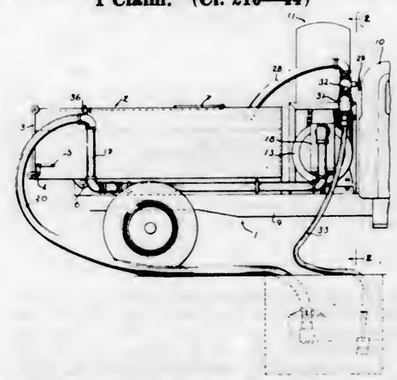


1. A multiple pulse signal generating system, comprising; signal generator means producing a recurrent signal varying substantially linearly with respect to time during a part of the period thereof, biased electron tube means for deriving a signal which varies in a plurally stepwise manner with respect to time during each of the substantially linearly changing portions of the recurrent signal, and a resonant pulse shaping circuit deriving pulse type signals in response to the stepwise changing signal.

2,596,150
PICKLING BATH FOR METALS
William H. Hill, Pittsburgh, Pa., and Dorothy Kibler Shipley, Baltimore, Md., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application February 21, 1945, Serial No. 579,168
4 Claims. (Cl. 252—149)

1. In the cleaning or pickling of metals, the method of protecting the metallic surface against undesirable dissolution by the pickling acid solution which comprises incorporating in the pickling acid solution an inhibiting amount of a condensation product of ortho-methyl cyclohexanone and a compound selected from the class consisting of ammonium thiocyanate, and thiourea, said condensation product having a constitution and a molecular weight corresponding to 2 mols of said ketone and 1 mol of said compound less 2 mols of water.

2,596,151
PUMPING SYSTEM
Clifford C. Hudson, Wichita Falls, Tex., assignor to Roy Bowling and J. H. Raines
Application February 27, 1948, Serial No. 11,699
1 Claim. (Cl. 210—44)

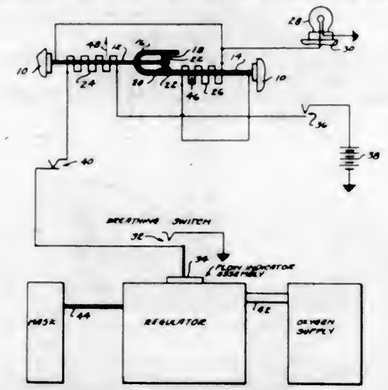


A mobile apparatus for removing liquids and solids from a pit comprising a power driven pump mounted thereon, said pump having a suction line and two discharge lines connected thereto, said suction line being adapted to extend into a pit from which liquids and solids are to be removed, said suction line having a portion thereof extending above the inlet of said pump and which portion carries a valve for venting said suction line for breaking a syphoning action when said pump is not in use, one of the discharge lines of said pump being adapted to direct the material being discharged into a container mounted on said mobile unit, the other of said discharge lines having a Venturi mixing nozzle thereon with the discharge of said line in close proximity to the reduced cross-sectional area of said Venturi mixer so when said mixer is lowered into a pit containing liquids and solids, turbulent mixing action will be accorded to said solids and said liquids, said container being pivotally mounted at the rear portion of said mobile unit for raising and lowering said container, said container having a pivotally mounted discharge door adapted to close the rear end of said container in substantially fluid tight relation, latch means for releasing said door for the discharge of said material from said container.

2,596,152
OXYGEN BREATHING SYSTEM
John R. Johnson, Jr., Frankfort, Ky.
Application March 30, 1951, Serial No. 218,506
7 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An oxygen want warning device which comprises, a switch body, two spaced apart bimetal

strips having one end insulatedly supported by said body, a third bimetal strip having one end insulatedly supported by said body and the free end extending between the free ends of the said two spaced apart bimetal strips, spaced apart contact points carried on the free ends of said bimetal strips, a heating coil adjacent one of the said two spaced apart bimetal strips, a second heating coil adjacent the said third bimetal strip, an electric warning lamp, a source of electric current supply, and conductors for electrically connecting the said source of current supply to



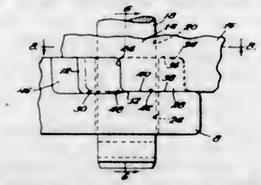
one end of the first mentioned heating coil; for electrically connecting the other end of the first mentioned heating coil to said lamp; for electrically connecting the said source of current supply to one end of the second mentioned heating coil; for electrically connecting the other end of the said second mentioned heating coil to one end of the flow indicator contacts of an oxygen regulator; for electrically connecting the said source of current supply to the said two spaced apart bimetal strips, and for electrically connecting the said third bimetal strip to the said lamp.

2,596,153

COUPLER KNUCKLE BEARING

Frank H. Kayler, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application October 11, 1949, Serial No. 120,763
9 Claims. (Cl. 213—152)



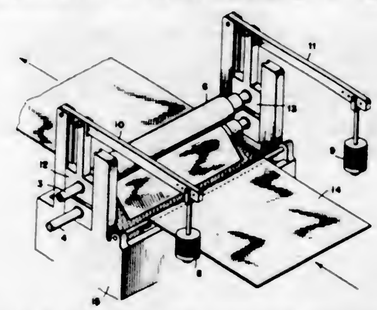
1. In a coupler, a head comprising spaced top and bottom ears with bosses on their adjacent sides, a knuckle extending between said bosses, a pin extending through openings in said ears, bosses and knuckle loosely, rotatably connecting said knuckle to the head whereby said knuckle is movable longitudinally and laterally of the head, and top and bottom flanges on said knuckle loosely partially surrounding the bosses on the top and bottom ears, respectively, for abutment with the bosses to limit movement of the knuckle in the closed position thereof longitudinally of the head, said knuckle and the boss on the bottom ear engaging along flat surfaces extending transversely of the pin completely thereabout, said bottom ear having a flat top face, and said bottom flange having a flat face on the bottom edge thereof engageable with said first-mentioned face after said surfaces wear a predetermined amount as a result of movement of said knuckle, said first-mentioned face, in the closed position of said knuckle, terminating at its outer end inboardly of the outer end of said second-mentioned face in a direction of rotation of said knuckle to open position, thereby precluding the formation of a shoulder on said bottom ear in the path of movement of said bottom flange when said knuckle is rotated from closed to open position, the arrangement of said faces permitting said second-mentioned face to progressively slide off said first-mentioned face when said knuckle is rotated from closed to open position.

2,596,154

PADDER, MANGLE, OR SQUEEZE ROLLS FOR IMPROVED EXTRACTION AND IMPREGNATION OF TEXTILE FIBERS, YARNS, AND FABRICS

John F. Keating, Zacapu, Michoacan, Mexico, and Esmond J. Keating, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture

Application August 9, 1949, Serial No. 109,386
2 Claims. (Cl. 68—244)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a textile padder having a tank for impregnating liquid and at least two rolls between which fabric, yarn, or fiber is passed after being impregnated in the liquid, the improvement comprising employing, as said rolls, at least two hard-core rolls, each having a coating of thin soft rubber, the thickness of which ranges from 1/8 of an inch to 1/4 of an inch, and the hardness of which ranges from 100 to 200 as measured by a Pusey and Jones plastometer (1/8 inch ball), the ratio of thickness of soft rubber to the diameter of the hard core being in the range of 1 of rubber to from 10 to 40 of core.

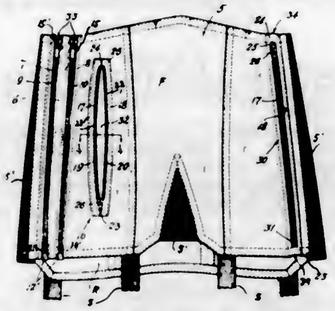
2,596,155

GIRDLE

Jacob L. Kleinman, New York, N. Y.

Application August 30, 1944, Serial No. 551,808
5 Claims. (Cl. 2—38)

1. A garment comprising a body portion and a completely separable auxiliary member, each of the side end portions of said body provided with a row of slidable fastening elements, one of said fastening elements provided with a guiding lock and the other of said fastening elements provided with a guiding hook adapted to interfit within the said guiding lock thereby placing said slidable fastening elements in desired position to be interlocked with each other in a manner closing completely the body portion of said garment, said fastening elements adapted to be unlocked and separated from each other, each of the side end portions of said auxiliary member provided with a row of slidable fastening means, one of said fastening means provided with a guiding lock adapted to receive the guiding hook of said fastening element thereby placing said fastening



means and the said fastening element in position to be interlocked with each other, the other of said fastening means provided with a guiding hook adapted to interfit within the guiding lock of said fastening elements thereby placing said fastening means and fastening elements in desired position to be interlocked with each other, thus closing completely the body portion of the garment in a manner increasing the size of the width of said garment, said body portion provided with an elongated slot disposed parallel with respect to the said auxiliary member, said slot being closed by slide fasteners for adjusting the elasticity of the girdle.

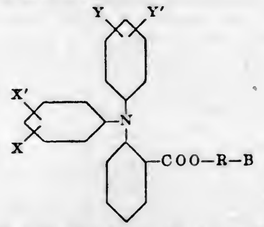
2,596,156

AMINOALKYL ESTERS OF N,N-DIARYLANTHRANILIC ACIDS AND SALTS THEREOF

Carl Peter Krimmel, Evanston, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application April 20, 1949, Serial No. 88,699
15 Claims. (Cl. 260—247.2)

1. A member of the group consisting of a basic ester of the formula



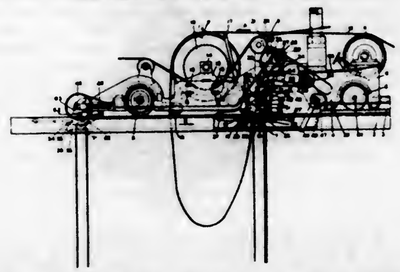
and salts thereof, wherein X, X', Y and Y' are members of the group consisting of hydrogen, lower alkyl and lower alkoxyl radicals, R is a lower alkaline radical, and B is an amino radical selected from the group consisting of di(lower alkyl) amino, N-piperidino, N-morpholino and N-pyrrolidino radicals.

2,596,157

FESTOONING DEVICE

Edgar I. Leed, New Holland, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application July 7, 1949, Serial No. 103,443
11 Claims. (Cl. 271—2.2)



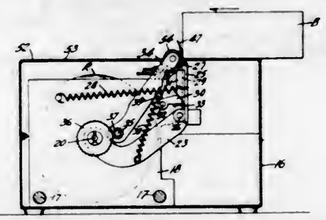
1. In a festooning device for directing a continuous web of sheet material onto supporting members, the combination comprising a hook for engaging the supporting member to move it into engagement with the web of sheet material, a pressure pad assembly positioned over the path of travel of the supporting member, said pressure pad assembly comprising a resilient material-engaging surface, a bell crank to elevate the pressure pad assembly, and a sear to hold the same in inoperative position; a trigger carried by the hook to actuate the sear to release the pressure pad assembly at the time the supporting member is positioned therebeneath, and common means for moving said hook and actuating said bell crank.

2,596,158

TAPE DISPENSING

Seth B. Lindsey, Anoka, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application December 27, 1948, Serial No. 67,267
13 Claims. (Cl. 216—21)



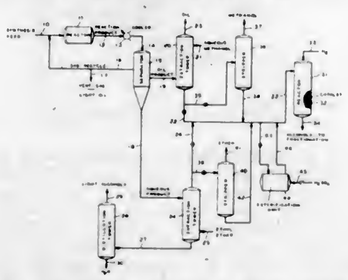
1. A pressure-sensitive adhesive tape dispenser having means for holding a supply of tape, means for temporarily anchoring a previously withdrawn unsevered length of tape against retraction, a movable roller member for withdrawing additional tape from the supply by movement through a tape withdrawing stroke against a surface of the previously withdrawn tape at a point between the anchor and the supply, a movable tape gripper positioned to grip the tape at a point beyond the anchor for advancing the withdrawn tape past the anchor, and means for effecting reciprocal movement of the tape withdrawing roller member and of the gripper in one direction through a tape withdrawing stroke and in the opposite direction through a tape advancing stroke.

2,596,159
COOKY MOLDING CUTTER
Nettie C. McBirney, Tulsa, Okla.
Application August 25, 1948, Serial No. 46,032
1 Claim. (Cl. 107—47)



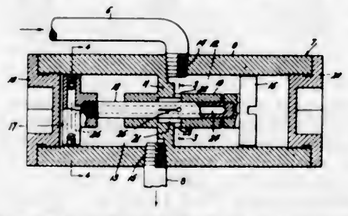
A cookie molding cutter adapted to be pressed into a sheet of cookie dough to cut out from the sheet and at the same time roughly shape a cookie blank, said cutter comprising a one-piece molded plastic body of dished form providing a shallow mold cavity defined by a wall of the same general profile as the cookie blank to be cut out, and a continuous peripheral flange extending downwardly and outwardly from the edges of said wall, the wall being formed to provide fairly flat surfaces in planes disposed in transverse relationship to the peripheral flange and adapted to give a corresponding shape to the top surface of the cookie blank, the inner surface of the flange being smooth but the flat inner surfaces on the wall having an all-over stippled finish of a finely pebbled form, whereby a fine film of flour and air is pocketed between the flat surfaces on said wall and the dough sufficient to insure easy release of the molded cookie from the cutter even though the cookie blank cut out by the peripheral flange has been pressed into the mold cavity to make the blank conform accurately to the shape of the mold cavity.

2,596,160
SEPARATION OF ORGANIC COMPOUNDS
Henry G. McGrath, Elizabeth, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application January 30, 1948, Serial No. 5,333
20 Claims. (Cl. 260—450)



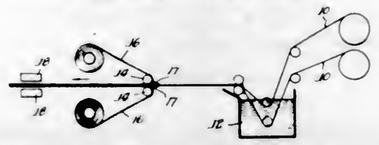
1. In a process for the catalytic hydrogenation of an oxide of carbon in which are obtained a hydrocarbon-rich phase and a water-rich phase and in which each phase contains oxygenated organic compounds selected from the group consisting of aldehydes, ketones, esters, acids and their mixtures, the method of producing alcohols from said phases which comprises the steps of separately subjecting said hydrocarbon-rich phase to extraction treatment with a substantially hydrocarbon-insoluble alcohol to obtain an extract containing a mixture of said oxygenated compounds, separately subjecting said water-rich phase to extraction treatment with a substantially water-insoluble organic compound to obtain an extract containing a mixture of said oxygenated compounds, combining said extracts, and subjecting said combined extracts to hydrogenation at a temperature between about 230° C. and about 270° C. and at a pressure between about 2900 and about 3700 pounds per square inch absolute in the presence of a hydrogenation catalyst to convert said oxygenated compounds to alcohols.

2,596,161
CENTRIFUGAL BALANCE FUEL VALVE FOR ROTATING COMBUSTION PRODUCTS GENERATORS
Thomas B. Murdock and Richard H. Ball, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application September 16, 1949, Serial No. 116,024
3 Claims. (Cl. 60—39.28)



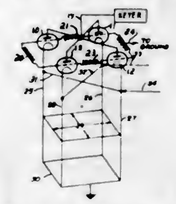
3. A fuel supply system for a reaction motor mounted on a rotor powered by said motor and comprising a fuel pump having an adjustable output pressure, a fuel line interconnecting said motor and said pump, said fuel line extending radially outward along said rotor so that due to rotation of said rotor the fuel pressure therein is effected by both the fuel pump pressure and the centrifugal force acting on the fuel therein, a fuel pressure responsive valve interposed in said fuel line at substantially the same position as said motor for regulating the pressure between said pump and said motor, said control valve comprising a valve barrel having an apertured internal projecting section to divide said valve barrel into two pressure chambers, the first of said pressure chamber being connected to said fuel line by a fuel inlet aperture, and the second of said pressure chambers being connected to said fuel line by a fuel outlet aperture, said first or inlet pressure chamber being an outer chamber and said second or outlet pressure chamber being an inner chamber with respect to the rotational axis of said rotor, a first valving piece located in said first pressure chamber and a second valving piece located in said second pressure chamber, a member connecting said first and second valving pieces and extending through said apertured internal projecting section, said aperture being proportioned for fuel passage between the limits of said aperture and said connecting member, said valving pieces and said connecting member being movable radially outward with respect to the rotational axis of said rotor to obstruct partially said aperture and thereby restrict the passage of fuel into said second pressure chamber, the combined mass of said valving pieces and said connecting member being such that their centrifugal force equals the centrifugal pressure of the fuel in said fuel line.

2,596,162
METHOD OF POLYMERIZING FIBER-REINFORCED RESINOUS MATERIALS AND PRODUCT
Irving E. Muskat, Plainfield, N. J., assignor to Marco Chemicals, Inc., a corporation of New Jersey
Application March 1, 1945, Serial No. 580,474
18 Claims. (Cl. 154—110)



5. A method which comprises impregnating a porous fibrous base with a polymerizable liquid comprising an oxygen-convertible compound having at least two unsaturated, unconjugated polymerizable groups, capable of curing to a rigid solid resinous state, passing the base between rolls which squeeze out excess polymerizable liquid and entrapped air while applying flexible, substantially impermeable covers to opposite sides of the base, minimizing inclusion of air under the cover by establishing and maintaining a bead of polymerizable liquid between and in contact with the cover and the surface of the base immediately in front of the rolls, partially polymerizing the base to form an immobile, adhesive polymer, slicing a section from the base while the polymer remains adhesive and further polymerizing the section until the polymer is cured to a rigid solid state.

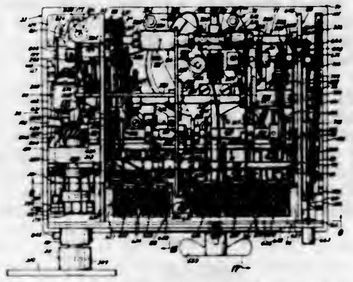
2,596,163
RING MOUNTED MULTIPLE TUBE OSCILLATOR
Robert M. Page, Washington, D. C.
Continuation of application Serial No. 466,289, November 20, 1942. This application December 10, 1947, Serial No. 790,753
19 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A single-phase oscillator comprising an even number of electronic tubes each having a control grid, and inductance means serially connecting said grids into a closed, direct current conducting ring circuit.

2,596,164
TAXIMETER
Brian C. Palmer, Riverside, Ill., assignor to Rockwell Register Corporation, a corporation of New York
Application October 27, 1947, Serial No. 782,438
34 Claims. (Cl. 235—30)

3. A taximeter adapted for ready assembly and replacement of parts worn in use comprising a base plate assembly; a side frame and mileage drive gear and lever mechanism assembly secured to said base plate inwardly of one edge thereof; a forwardly and rearwardly disposed flag shaft assembly journalled on the outwardly facing side of said frame assembly; an operator actuated flag secured to the forward end of said flag shaft assembly and a gear secured to its other end; drive means operatively connected to said mileage drive gear and lever mechanism; a side frame and extras drum and counter operating lever mechanism assembly secured to said base plate shaft assembly journalled in said side frame asinwardly of the opposite edge thereof; a drum semblies adjacent the lower forward edges thereof and comprising a plurality of fare indicating drums arranged in side-by-side relation to display their indicia at the front of the meter; a counter assembly secured to said side frame assemblies vertically above said drum shaft assembly and comprising a plurality of individual counter assemblies arranged in side-by-side relation to display their indicia at the front of the meter; a meter front panel having spaced windows for displaying the indicia of said plurality of drums and said plurality of counter assemblies; a drum transfer pinion and clock stop finger shaft assembly journalled in said side frame assemblies immediately to the rear of said register drum shaft assembly and including transfer pinions adapted to be selectively moved into and out of engagement with certain of said plurality of drums and a clock stop finger adapted to be



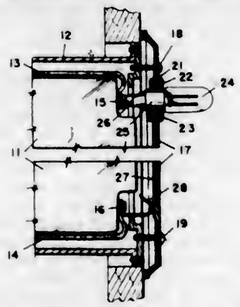
moved into and out of engagement with the escapement fork of a clock; a drum stop finger and drum drive gear shaft assembly journalled in said side frame assemblies above and slightly to the rear of the axis of said drum shaft assembly and including fare drum stop fingers adapted to be moved into and out of engagement with said certain drums and an idler gear in driving engagement with one of said drums other than said certain drums; a clock assembly mounted on said base plate adjacent the rear thereof and between said side frame assemblies; a clock shear and drive gear shaft assembly having one end journalled on said clock assembly, its other end journalled in one of said side frame assemblies; a drive shaft assembly journalled in said side frame assemblies in rearwardly spaced relation to said drum stop finger and drum drive gear shaft assembly, operatively connected to said mileage drive gear and said clock drive gear so as to be driven by one or the other during all operating positions of the meter and including a jumper cam; a fare and trips lever shaft assembly journalled adjacent the rear ends of said side frame assemblies and having lever means extending forwardly into operative relation with said jumper cam and one of said certain drums and one of said counter assemblies and a trips counter operating lever extending forwardly into operative relation with another of said counter assemblies; and a cam shaft assembly journalled in said side frame assemblies between said drive shaft as-

sembly and said drum stop finger and drum drive gear shaft assembly and having a gear engaging said flag shaft gear, a cam assembly operatively cooperating with said mileage lever mechanism and adapted to selectively connect said mileage drive gear to said drive shaft assembly, a cam adapted to operate said drum transfer pinion and clock stop finger shaft assembly, a release cam adapted to cooperate with said lever means to release said lever means for operation by said jumper cam, a cam adapted to operate said drum stop finger and drum drive gear shaft assembly, a gear adapted to engage said idler gear and rotate said one drum a predetermined distance, a cam adapted to oscillate said trips counter operating lever and a cam assembly operatively cooperating with said clock shear and drive gear shaft assembly and adapted to selectively connect said clock drive gear to said drive shaft assembly.

2,596,165
ARC STARTING METHOD AND COMPOSITION
Harold Spencer Payne, Cleveland, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application May 6, 1949, Serial No. 91,875
9 Claims. (Cl. 219—10)

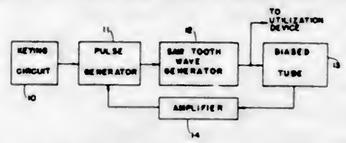
5. In a welding process wherein an arc between a metal electrode and the work-piece is the welding instrumentality, the method of obviating sticking in starting such arc which includes preliminarily applying to a surface wherefrom the arc is to be struck a composition consisting of mobile granule-containing material comprising a major part of ferroso-ferric oxide and a minor part of an alkali metal nitrate intermixed therewith, and further obviating sticking each time the electrode is removed and recontacted with the work-piece by first each time freshly applying such granule-containing composition.

2,596,166
GLOW LAMP MOUNTING
Thomas F. Peterson, Shaker Heights, Ohio
Application December 15, 1949, Serial No. 133,034
17 Claims. (Cl. 313—318)



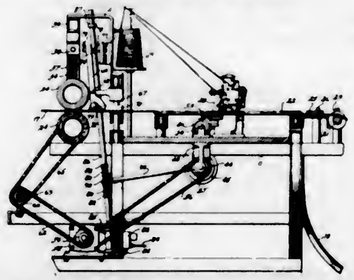
1. Glow lamp mounting comprising in combination a support including a resilient and expandible rubber-like semi-conducting grommet for engaging a lamp and a terminal thereof, and conductors for contacting the grommet and the other lamp terminal, the combination of grommet and conductors affording in itself the resistance requisite for a lamp operation by at least one of said elements of the combination being of semi-conducting material.

2,596,167
SIGNAL GENERATING DEVICE
La Verne R. Philpott, Washington, D. C.
Application October 10, 1945, Serial No. 621,636
9 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



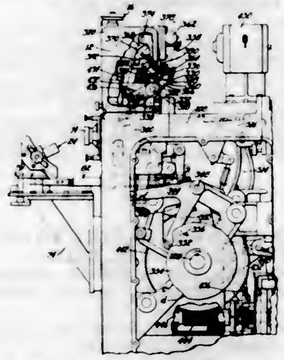
1. In combination, a pulse generator operable to generator a continuing impulse, an adjustable slope saw-tooth signal generator, said saw-tooth signal generator coupled to said pulse generator and operable in response to the start of an output signal from said pulse generator to start the production of the leading edge of saw-tooth wave which continues for the duration of the output signal from said pulse generator, a biased limiting circuit connected to said saw-tooth signal generator and operative to produce an output signal when the leading edge amplitude of said saw-tooth wave reaches a predetermined value, and feedback means applying the signal produced by said biased limiting circuit to said pulse generator to cause the termination of the output signal produced thereby and hence the termination of the output saw-tooth wave whereby the slope of said saw-tooth wave may be adjusted without altering the amplitude thereof.

2,596,168
AUTOMATIC OVEREDGING MACHINE
Frank R. Piper and James M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga., a corporation of Alabama
Application May 15, 1950, Serial No. 161,932
3 Claims. (Cl. 112—214)



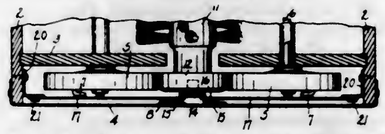
1. Sewing mechanism comprising a pair of parallel, opposed, cooperating outfeed rolls adapted to displace an elongated cloth length between the bite thereof, frictional means adapted to tension the cloth length approaching said outfeed rolls and riding transversely on said cloth length uniformly across its width, a sewing machine disposed intermediate said outfeed rolls and tensioning means and adapted to apply stitching to the cloth length, means for driving said outfeed rolls and sewing machine at constant relative speeds, feeler means adapted to ride the line of stitching intermediate said sewing machine and outfeed rolls, and means actuated by said feeler means to deactivate said driving means in the absence of stitching.

2,596,169
LASTING MACHINE
Leonard E. Proulx, Arlington, Mass., and Roscoe L. Hill, Norway, Maine, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 18, 1949, Serial No. 110,972
40 Claims. (Cl. 12—8.8)



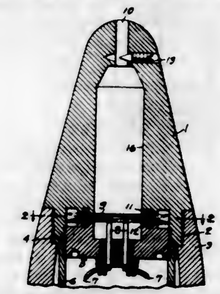
1. In a lasting machine, the combination with toe-embracing wipers for wiping an upper around the toe end of a last into lasted position, of means for positioning the toe end of the last lengthwise and laterally relatively to the wipers, and a heel rest for positioning the heel end of the last laterally by engagement with the upper on that end of the last and for thereby further positioning its toe end relatively to the wipers, said heel rest being mounted for movement lengthwise of the last into engagement with the heel end of the upper in a direction selectively predetermined in accordance with the style of the last while the heel end of the last is capable of being shifted laterally by the action of the heel rest thereon.

2,596,170
BRUSH CONTROL FOR CARPET SWEEPERS
Fred W. Pullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan
Application March 30, 1946, Serial No. 658,496
5 Claims. (Cl. 15—41)



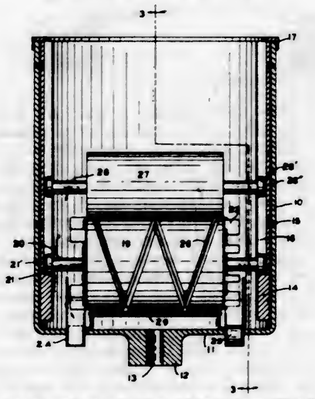
1. In a carpet sweeper, the combination with a casing comprising side members and an end member, the ends of the side members projecting beyond the end member, floor wheels disposed on the outer side of the end member, a brush provided with a pulley cooperatively associated with the floor wheels, a bracket mounted on the casing end member to depend at the outer side of the pulley, said bracket being provided with a vertical slideway, an end bar disposed on the outer side of said bracket in thrust sustaining relation thereto and constituting an outer member for said slideway, a brush journal member mounted on said slideway for vertical movement, elongated springs having their inner ends slidably engaged with said journal member at the inner side of said slideway, and spring supporting brackets on the inner sides of the projecting ends of said casing side walls and with which the outer ends of the said springs are supportingly engaged, the springs being disposed horizontally in substantially the horizontal plane of the journal member and with their inner ends slidably engaged with said journal member on opposite sides thereof and being of such length that the biasing stress on the brush is approximately constant throughout the vertical range of movement of the brush.

2,596,171
PRESSURE SWITCH FOR FUSES
Jacob Rabinow, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Army
Application August 3, 1949, Serial No. 108,382
8 Claims. (Cl. 102—70.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In a projectile having a nose portion a safety arming switch having contact means, an actuating member for engaging said contact means to close the switch, said actuating member comprising a snap disc capable of being flexed into either of two dish-shaped forms, a chamber in said nose portion having a portion of the said disc as part of the wall thereof and an elongated aperture leading from said chamber to the ambient atmosphere.

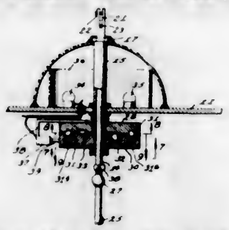
2,596,172
SPINNING, TWISTING, AND LIKE APPARATUS
Ralph Ragan, Atlanta, Ga.
Application April 26, 1950, Serial No. 158,179
11 Claims. (Cl. 57—89)



1. In apparatus of the class described, a hollow pot to be mounted for rotation upon a ver-

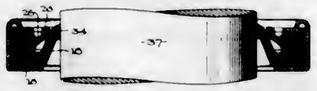
tically disposed rotatable spindle, a driving drum horizontally positioned and mounted for rotation in said pot, air vanes secured to said drum, means arranged to direct air from outside said pot onto said air vanes to rotate said drum, means on said drum for receiving and guiding fibers, and a vertically moveable winding cylinder mounted for rotation in said pot, said cylinder being positioned above said driving drum and in peripheral contact therewith to be driven thereby, whereby fibres from said drum can be wound upon said cylinder.

2,596,173
DIRECTION INDICATOR
Liscomb B. Reed, Princeton, N. J.
Application November 17, 1950, Serial No. 196,248
3 Claims. (Cl. 177—327)



1. In a motor vehicle, a roof, a vertical sleeve member rigidly secured to and extending through said roof, a shaft rotatably mounted in said sleeve member, a direction indicator secured to the top end of said shaft, a handle secured to the lower end of said shaft, a first collar secured to the lower end of said sleeve member, a second collar secured to said shaft adjacent said first collar, and spring biased balls carried by said second collar and seatable in recesses formed in the said first collar upon rotation of said shaft for securing said shaft in selected adjusted rotated positions in said sleeve member.

2,596,174
OIL SEAL
George F. P. Reich, Bremerton, Wash.
Application January 14, 1949, Serial No. 71,003
4 Claims. (Cl. 288—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

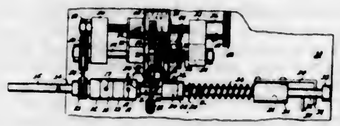


1. An oil seal comprising a pair of annular rubber-like members retained in axial alignment by a snugly fitting casing, a relatively thin frusto-conical sealing lip integral with one of said members and extending axially toward the other member, an annular tension band surrounding said lip near the free end thereof, and a frusto-conical flange thinner than said tension band and thinner than said sealing lip, said flange being formed of flexible rubber-like material integral with said band and said other member, said lip and said flange being spaced from each other to form an annular chamber between said flange and said lip, said lip and said flange being so proportioned and arranged that a change in pressure distorts said flange to move said band axially in telescoping fashion along said lip.

2,596,175
TREATING HYDROCARBONS WITH ALKALI METAL HYDROXIDES
Ludwig Rosenstein, San Francisco, Calif., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware.
No Drawing. Application October 28, 1948, Serial No. 57,121
6 Claims. (Cl. 196—32)

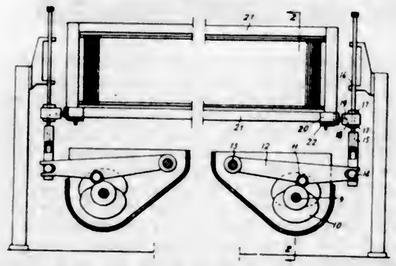
1. The method of treating hydrocarbons containing impurities reactive with alkali metal hydroxide that comprises intimately contacting such hydrocarbons with a reagent in the form of a peptized colloidal system of alkali metal hydroxide and hydrocarbon in homogeneous colloidal dispersion with a hydrocarbon oil-soluble metallic salt of an organic acid as the peptizing agent.

2,596,176
METHOD OF FORMING STRIPES ON CAPSULES AND THE LIKE
Robert Pauli Scherer, Detroit, Mich., assignor to R. P. Scherer Corporation, Detroit, Mich., a corporation of Michigan
Application May 18, 1948, Serial No. 27,779
1 Claim. (Cl. 117—43)



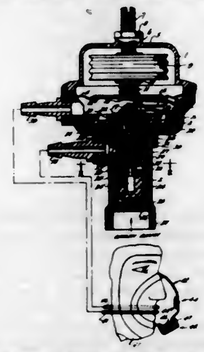
A method of forming an encircling colored stripe on a gelatin capsule which comprises grasping opposed ends of said capsule, rotating said capsule while so grasped, abrading successive contiguous parts of an encircling peripheral capsule area while said capsule is thus grasped and rotated, and applying an aqueous coloring medium to each successive area part as each such area part is being abraded, the force effecting said abrading being applied resiliently and in directions both transverse and generally tangential with respect to said capsule periphery.

2,596,177
HEALD-RAISING DEVICE FOR WEAVING LOOMS
Bruno Schiavon, Castellanza, Italy
Application August 21, 1948, Serial No. 45,518
In Italy August 23, 1947
3 Claims. (Cl. 139—79)



1. A device for regulating reciprocal movements of heddles, comprising a plurality of cam-controlled levers for moving said heddles, rod members operatively connected to said levers, respectively, block elements engaging respective rod members, means adapted to regulate the position of each block element lengthwise of the respective rod member and relatively to the respective heddle, and pivot means extending between the respective rod member and heddle and articulating the latter to said respective block elements to thereby provide non-rigid connection between said heddles and said cam-controlled levers.

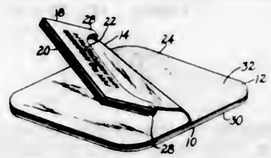
2,596,178
PRESSURE RESPONSIVE REGULATOR
Henry Seeler, Heidelberg, Germany
Application October 12, 1948, Serial No. 54,188
5 Claims. (Cl. 128—142)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. An oxygen demand regulator for operative association with a face mask and a container of oxygen under pressure, said regulator comprising a housing, a control diaphragm extending across said housing on the interior thereof and providing an aneroid chamber at one side and a control chamber at the other side of said diaphragm, said aneroid chamber being open to the atmosphere and having mounted therein an aneroid bellows and a compression spring in series for continuous contact with said diaphragm, means for making a connection through a wall of the housing from said control chamber to said face mask, means providing a primary valve actuating chamber in said housing, means providing a narrow passage from said primary valve actuating chamber to the atmosphere, a secondary oxygen valve in said housing to admit oxygen under pressure to said primary valve actuating chamber, actuating means for said secondary oxygen valve including said control diaphragm, a primary valve actuating means responsive to changes in oxygen pressure in said primary valve actuating chamber, a primary oxygen valve in said housing actuated by said primary valve actuating means and operable when open to allow flow of oxygen into a portion of said housing having an oxygen outlet opening therefrom, and means for conducting oxygen under pressure from said container to said secondary and primary oxygen valves.

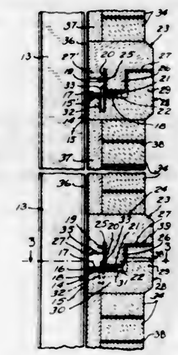
2,596,179
SUPPORTED ADHESIVE SHEET MATERIAL UNIT AND METHOD OF MAKING THE SAME
Malcolm Seymour, Boston, Mass., assignor to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
Application January 4, 1951, Serial No. 204,389
9 Claims. (Cl. 154—79)

1. A patch assembly comprising a tab of sheet material having a recess in an edge of the tab, a patch of sheet material having an adhesive coated face and having an edge portion complementary to and adjacent the edges of said recess, a flexible protective cover sheet in clinging engagement with the adhesive coated face



of the patch but readily removable therefrom and a combining piece secured to said tab and said cover sheet to maintain said tab in alinement with said patch and to peel said cover sheet from said patch when the tab is moved away from said patch.

2,596,180
FURNACE WALL
Tracy H. Sherman, South Nyack, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application March 29, 1947, Serial No. 738,125
14 Claims. (Cl. 110—1)



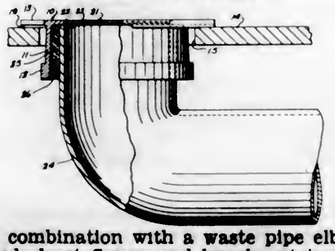
1. In a furnace wall comprising a lining of heat insulating material having outer and inner surfaces, exterior supporting means comprising a plurality of horizontally spaced vertically extending buckstays adjacent the outer surface of said lining, means for supporting the lining by the exterior supporting means comprising an angle bar extending in a substantially horizontal plane, the angle bar having a substantially vertically extending leg and a substantially horizontally extending leg and being so positioned in relationship to the lining that said vertical leg extends in a vertical plane intermediate said inner and outer surfaces of the lining, and inverted L-shaped bracket supports for the angle bar associated with the buckstays and said bar, the brackets and buckstays being of substantially equal width, the angle bar being positioned on one leg of the brackets so that said plane in which the vertical leg of the angle bar extends is also intermediate the buckstays and the innermost edge of said brackets.

2,596,181
WOOD FASTENER
Gustave J. Soderberg, Babylon, N. Y., and Theodore Packard, East Orange, N. J.; said Packard assignor to E. B. Packard Co., Inc., New York, N. Y., a corporation of New York
Application July 20, 1949, Serial No. 105,678
1 Claim. (Cl. 85—11)



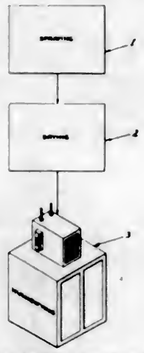
A fastener for attaching two wooden members along a joint, the fastener comprising a rigid body, a central tooth depending from the body on either side of the vertical center line thereof, the outer edges of the central tooth being parallel to the vertical center line of the body and the base being inclined inwardly and upwardly from the bottom of each of the outer edges to the vertical center line; the fastener further comprising an end tooth depending from each of the extremities of the body, said teeth being pointed with the sides forming the point inclined upwardly to the vertical side edges of the tooth parallel to the vertical center line of the fastener, the end teeth being further turned laterally outwardly along the inner vertical side edges extended, the extreme surface portions of the teeth being further turned laterally inwardly along a line extending from the point inwardly and upwardly toward the vertical center line of the fastener; one-half of the rigid body being further turned laterally inwardly toward the other along the vertical center line to form an included angle of substantially 90°.

2,596,182
CLOSET FLANGE AND TEST CAP
Frank F. Sosaya, Santa Fe, N. Mex.
Application February 1, 1949, Serial No. 73,979
2 Claims. (Cl. 285—33)



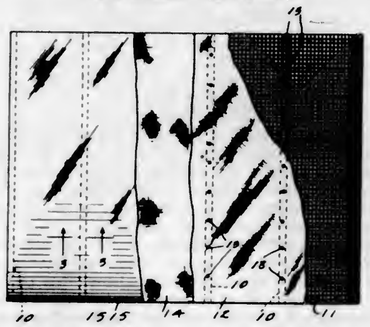
1. In combination with a waste pipe elbow, a combined closet flange and knock-out test plug comprising a cylindrical collar loosely receiving one end of said waste pipe elbow, an annular external flange surrounding one end of said collar and having angularly spaced-apart, radially-directed notches therein for receiving toilet bowl hold-down bolts, and a thin end wall continuous with said flange overlying said one end of said collar, said end wall having circular grooves in the inner and outer surfaces thereof adjacent the inner edge of said collar, said grooves having a common diameter smaller than the diameter of said collar and substantially equal to the inside diameter of said waste pipe elbow to provide a circular knock-out plug closing said one end of said collar, said closet flange being formed of a frangible material and said grooves having a substantially V-shaped cross-section to provide a smooth edge around the opening provided by removing said knock-out test plug.

2,596,183
METHOD FOR INCREASING THE VOLUME OF SHREDDED TOBACCO
Frank J. Sowa, Cranford, N. J., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application December 2, 1944, Serial No. 566,365
6 Claims. (Cl. 131—140)



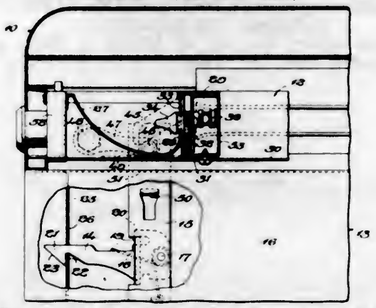
3. The method of expanding tobacco in shredded form comprising providing shredded tobacco having a moisture content of approximately 10–13%, adding thereto only a quantity of water having a weight not less than the total weight of said shredded tobacco, permitting said additional water to remain with said tobacco until said tobacco has substantially completely absorbed said water, and then reducing the moisture content of said tobacco to substantially its original content.

2,596,184
METHOD OF BUILDING AND SHAPING PLASTIC PRODUCTS WITHOUT MOLDS
Max C. Sutton, Pontiac, Mich.
Application February 27, 1950, Serial No. 146,509
6 Claims. (Cl. 9—6)



1. A method of constructing objects which comprises shaping a sheet of flexible pervious screen-like material over a suitable frame formed to substantially the configuration and contour of the object to be constructed, laying at least one layer of a porous material of the desired thickness over the said pervious material, laying a relatively thin smooth fabric material over said porous material, saturating said porous and said fabric materials with a self-hardening resin blend composed of an alkyd resin, a polymerizable mixed ester type of accelerator, a cycloalkanyl peroxide catalyst and styrene, said blend being applied at a temperature of approximately 80° F., and allowing said object to stand under atmospheric conditions for approximately four hours to allow said blend to harden.

2,596,185
LOCKING MEANS FOR DESK DRAWERS
Albert T. Swimmer, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application January 12, 1949, Serial No. 70,453
4 Claims. (Cl. 312—221)



4. In a desk having a center drawer and a pedestal drawer at each side of said center drawer, latch elements for securing said pedestal drawers closed, vertically movable members to either side of said center drawer by which said latch elements are carried, means whereby said members are moved vertically to positions in which said latch elements are ineffective to secure said pedestal drawers closed when said center drawer is opened, a pair of projectable and retractable bars carried by said center drawer and disposed transversely and horizontally relative thereto in alinement with each other, means guiding said bars for straight line projective and retractive movements, cams at the outer ends of said bars effective when the latter are projected and ineffective when the latter are retracted and upon closing of said center drawer to move said members vertically to positions in which said latch elements are effective to secure said pedestal drawers closed, spring means for retracting said bars, and a cam mounted in said center drawer for straight line vertical movement and interposed between the inner ends of said bars for cooperation at its ends with the inner ends of said bars to effect their projection and for holding them projected, the upper and lower portions of the inner ends of said bars being inclined downwardly and inwardly and downwardly and outwardly, respectively, the lower and the upper portions of the ends of said cam being inclined corresponding to the inclinations of the upper and the lower portions of the inner ends of said bars, respectively, whereby upon depression of said cam the lower portions of its ends first cooperate with the upper portions of the inner ends of said bars to project the latter and then the upper portions of the ends of said cam cooperate with the lower portions of the inner ends of said bars to hold the latter projected and to hold said cam against elevation.

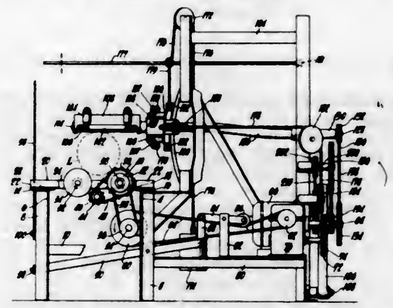
2,596,186
EXTENSION DEVICE
Paul Fridolin Volk, Warwick, R. I., assignor to Carl Art, Inc., a corporation of Rhode Island
Application September 24, 1948, Serial No. 51,047
4 Claims. (Cl. 24—71)

1. In an extension device, a housing having side walls, said housing having a bracelet connection at one end, an intermediate link hinged at one end to the other end of the housing, a second intermediate link hinged to the other end of the first intermediate link, and a slide link slidably secured to the second intermediate link, said slide link having a bracelet connection at its outer end, the walls of said housing slid-



ably receiving the sides of the slide link with the intermediate links nesting in the housing, and co-operating releasable lock elements on the housing and the slide link, comprising a lock lever pivotally mounted on the housing and catch elements longitudinally positioned on the slide link for selective engagement by said lock lever.

2,596,187
BARK-REMOVING MACHINE HAVING HORIZONTALLY AND VERTICALLY GUIDED CUTTER
William J. Watts, Philipsburg, and Frank B. Cadman, Osceola Mills, Pa.; said Cadman assignor to said Watts
Application May 10, 1950, Serial No. 161,186
5 Claims. (Cl. 144—208)



1. A log debarking machine comprising a table for supporting a traveling and rotating log, a support at the rear of said table extending above said table, vertical trackways on the front side of said support, a carriage vertically movable on said trackways, horizontal trackways on said carriage, a carriage horizontally movable on said horizontal trackways, a cutter mounted on said horizontally movable carriage and extending over said log, the axis of said cutter extending transversely of the axis of said log, means for rotating said cutter, means for moving the first named carriage vertically so as to feed the cutter to said log, and means for reciprocating the horizontally movable carriage.

2,596,188
FOOTWEAR
Harry A. Webb, Mount Carmel, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application October 18, 1949, Serial No. 122,063
18 Claims. (Cl. 36—11.5)

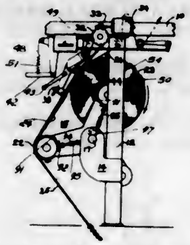
1. A one-piece sandal or like article of footwear comprising a sole portion peripherally shaped to conform to the outline of the foot of a wearer, a plurality of narrow strands integral

with said sole portion extending angularly outward from the periphery of said sole portion in the plane thereof, and a continuous outer strand



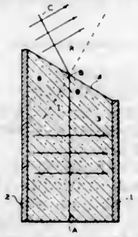
extending about at least a portion of said periphery in spaced relation thereto and integrally terminating said narrow strands at the ends thereof remote from said sole portion.

2,596,189
METHOD FOR REPLACING WEB ROLLS IN PRINTING MACHINES
William C. Wieking, Woodhaven, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 19, 1946, Serial No. 691,422
12 Claims. (Cl. 242—58)



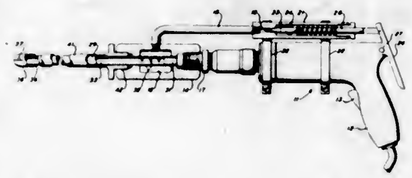
1. A method of splicing a leading end of a web of a replacement web roll to a web running from an expiring web roll into a printing machine, which includes applying to the leading end of the web of the replacement roll an adhesive which will not adhere to the paper of the running web when brought into contact therewith under deflection pressure but will adhere thereto under a higher pressure, bringing the periphery of the replacement roll and the adhesive thereon into engagement with the web running from the expiring roll under deflection pressure to rotate the replacement roll at substantially the speed of the running web, and then applying a higher pressure on the running web and against the replacement roll to produce adhesion and effect the splice.

2,596,190
DIELECTRIC HORN
Carl Atwood Wiley, Yellow Springs, Ohio
Application September 5, 1947, Serial No. 772,416
4 Claims. (Cl. 250—33.63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A radiator and receiver of radio waves comprising, two plane parallel conducting flared walls, a filling of dielectric material having an index of refraction substantially greater than unity and enclosed between said walls, and a radiating face cut in said dielectric at the flared end making an angle with said walls equal to Brewster's angle for said dielectric.

2,596,191
ROTATING NOZZLE SPRAY GUN
William M. Windhom, Jr., Oxnard, Calif.
Application May 13, 1949, Serial No. 93,175
2 Claims. (Cl. 299—62)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

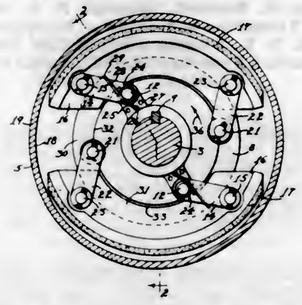


1. A portable spray gun comprising a portable rotary power unit having a driving shaft, said power unit having a pistol grip handle depending therefrom and an actuating trigger on said handle for controlling said power unit, a housing fixedly mounted to said power unit circumjacent said shaft, said housing having a fluid chamber therein, a fluid valve rigidly mounted to said power unit, a conduit connecting said fluid chamber to the outlet of said fluid valve, actuating means linked to said valve and pivotally mounted to said power unit handle for actuating said fluid valve, a rotatable tube extending into the end of said fluid chamber, mounted on said driving shaft, and being perforated within said fluid chamber, said tube extending outwardly substantially beyond said housing, a hemispherical perforated nozzle mounted to the exterior end of said tube, a supporting sleeve fixed to the outer end of said housing circumjacent said tube and receiving and supporting said tube to a point adjacent said nozzle, and means for supplying fluid under pressure to said chamber thru said valve.

2,596,192
DYEING WITH PIGMENT COLORING MATTER
Glenn F. Womble, Danville, Va., assignor to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia
No Drawing. Application May 3, 1947, Serial No. 745,731
10 Claims. (Cl. 117—76)

1. The process of increasing the depth and brilliance of resin-pigment dyed textile material when dry, which comprises pretreating the individual fibers of the material with an unpigmented water-soluble thermosetting resin which will seal the interstices and capillary spaces of the individual fibers without closing the interstices of the material itself and thereby hold substantially all the resin-pigment on the surface of the individual fibers, curing the resin, and subsequently applying the resin-pigment on the fabric.

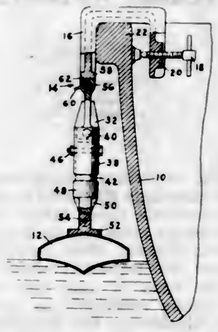
2,596,193
CENTRIFUGAL CLUTCH
Clifford V. Zieg, Jr., Fort Wayne, Ind., assignor to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application July 22, 1948, Serial No. 40,192
3 Claims. (Cl. 192—105)



1. A centrifugal clutch comprising, in combination with coaxially arranged shafts, one of which is a driving shaft and the other a driven shaft, a radially projecting annular drive transmitting flange on one of said shafts, the outer marginal portion of which is of reduced thickness whereby an annular shoulder is defined at the inner circumference of the reduced portion, a drive transmitting drum on the other of said shafts having a peripheral wall in concentric relation to said flange and surrounding the same, a pair of diametrically opposed clutch shoes which are elongated circumferentially relative to said drum and have bifurcated radially inner portions slidably guided on the reduced marginal portion of said flange, each shoe having an arcuate friction surface on the outer periphery for engagement with the peripheral wall of the drum and being of sufficient mass to serve as a flyweight for centrifugal actuation of the clutch, a pair of links at each end of each shoe pivotally connected at one end to the radially inner portion of the flange on the opposite sides thereof and at the other end to the end portions of the shoe on the opposite sides thereof to guide the shoe for radial and circumferential movement under centrifugal force, and spring means tending to return the shoes to retracted position in engagement with the aforesaid annular shoulder.

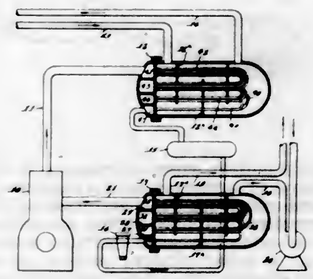
2,596,194
BOAT OUTRIGGER FLOAT
Harold H. Anderson, Detroit, Mich., assignor of one-half to E. C. Wegert, Detroit, Mich.
Application January 5, 1949, Serial No. 69,280
1 Claim. (Cl. 114—123)

An outrigger for a boat comprising a bracket adapted to be removably mounted on a sidewall of a boat, a support arm hinged at its upper end to said bracket for pivotal movement in a plane substantially perpendicular to the longitudinal axis of the boat when the bracket is mounted on the boat, means for limiting the pivotal movement of said bracket in a direction upwardly and outwardly from the sidewall of the boat, a float attached to the lower end of said support arm, said support arm being hinged on said bracket for free pivotal movement downwardly toward the sidewall of the boat so as to be normally suspended from said bracket in a generally vertical position with the float at the lower end thereof extending along side the boat, and resilient means biasing said support arm to said normal vertical position and resisting the pivotal movement thereof in a direction upwardly and away from the sidewall of the boat whereby when said boat tips to one side to an extent such that the float engages



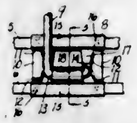
the water, said float tends to move outwardly away from the side of the boat against the resistance of said biasing means and thereby applies through said arm a progressively increasing force on the boat which tends to upright the boat.

2,596,195
HEAT EXCHANGER FOR REFRIGERATING SYSTEMS
Lawrence L. Arbuckle, Chicago, Ill., assignor to Bell & Gossett Company, Morton Grove, Ill., a corporation of Illinois
Application April 24, 1947, Serial No. 743,667
9 Claims. (Cl. 62—126)



1. A heat exchanger for a refrigerating system comprising, a plurality of horizontal refrigerant tubes arranged in groups constituting passes whose respective capacities in the direction of refrigerant flow are related to the changes in the volume-weight ratio of the refrigerant to maintain a predetermined velocity of refrigerant flow, inlet and outlet chambers communicating with the first and last passes, respectively, intermediate chambers connecting the outlet and inlet ends of successive, intermediate passes, and other tubes discharging into the outlet chamber and providing a bypass of at least one intermediate pass for evacuating refrigerant whose heat transfer value has been exhausted, the inlet ends of said other tubes communicating with that part of the associated chamber in which the last named refrigerant portion tends to collect.

2,596,196
SPRING STRUCTURE
Vito Asaro, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan
Application July 23, 1945, Serial No. 606,549
6 Claims. (Cl. 155—179)



6. A spring structure comprising inner and outer frame members disposed in spaced parallel relation, a bendable sheet metal clip connecting said spaced frame members and having intermediate portions thereof offset providing shoulders which engage the adjacent edges of the frame members, the ends of said clip being clamped upon said frame members to clamp the same against said shoulders, the intermediate portion of said clip being slit between said frame members to provide a bendable tongue, and a brace having a laterally disposed portion secured to said clip by said bendable tongue.

2,596,197
WINDSCREEN WIPER
Charles Arthur Bayes, Pettswood, England, assignor to Trico Products Corporation, Buffalo, N. Y., a corporation of New York
Application December 31, 1947, Serial No. 795,096
In Great Britain July 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 8, 1966
5 Claims. (Cl. 287—53)



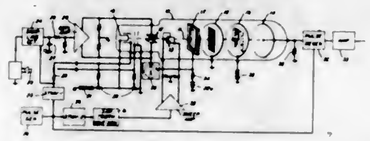
1. A windshield wiper carrying arm having a mounting socket formed with a spindle-receiving bore in its underface while maintaining the upper face unbroken, the bore of the mounting socket having a screw-threaded portion adjacent its open end, a collar of rigid material disposed in said bore adjacent the closed end and a nut having an axial aperture for the passage of said spindle, said nut being adapted to screw into said screw-threaded portion of said bore.

2,596,198
MOTOR FUELS
Alcippe Bègue, La Plaine des Palmistes, Ile de la Reunion
No Drawing. Application July 20, 1949, Serial No. 105,909. In France July 8, 1949
6 Claims. (Cl. 44—56)

1. A motor fuel comprising gasoline, an alcohol selected from the group consisting of ethyl and methyl alcohol, and .1–.5 cc. of a substance selected from the group consisting of glycocholic acid, taurocholic acid and the soluble alkaline salts of said acids per liter of motor-fuel.

6. A motor-fuel comprising gasoline, an alcohol and a minor proportion of animal gall effective to lower the surface tension of said motor-fuel.

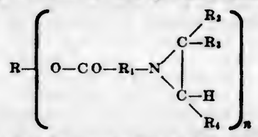
2,596,199
ERROR CORRECTION IN SEQUENTIAL CODE PULSE TRANSMISSION
William R. Bennett, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 19, 1951, Serial No. 211,725
6 Claims. (Cl. 178—17)



1. In a pulse code transmission system, means for generating a group of n successive pulses of which m are information pulses and the remainder $k(m+k=n)$ are checking pulses which comprises means for generating a cathode beam, a mask having apertures arranged in n columns and 2^m rows disposed in the path of said beam, elements for deflecting said beam in one direction to a particular aperture row under control of a signal sample to be encoded, means for sweeping the beam over all of the apertures of the row to which it is deflected, and means for deriving current pulses from passage of the beam electrons through the several apertures of said particular row, the apertures of m of said columns being arranged in accordance with a two-valued code, the apertures of the remaining k columns being so arranged that the aperture disposition of each one of the 2^m rows differs from that of every other row, in a column-for-column comparison taken over all n columns, in at least three apertures.

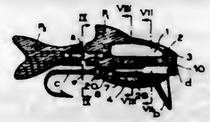
2,596,200
POLYVALENT ALKYLENE IMINE ESTERS AND A PROCESS OF PREPARING THEM
Herbert Bestian, Frankfurt-on-the-Main-Hochst, Germany, assignor to Farbwerke Hoechst vormals Meister Lucius & Bruning, Frankfurt-on-the-Main-Hochst, Germany, a manufacturing and trading organization under the laws of the Allied Control Council and Allied High Commission of Germany
No Drawing. Application May 26, 1949, Serial No. 95,589. In Germany October 1, 1948
13 Claims. (Cl. 260—239)

4. The products of the general formula



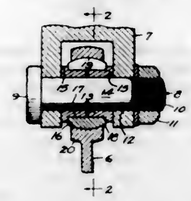
wherein R stands for a radical having from 2 to 4 valences selected from the group consisting of polyvalent aliphatic hydrocarbon radicals, polyvalent aliphatic hydrocarbon radicals the chain of which is interrupted by oxygen and polyvalent aliphatic hydrocarbon radicals the chain of which is interrupted by sulfur, R_1 stands for a low molecular aliphatic hydrocarbon radical, R_2, R_3, R_4 stand for members of the group consisting of hydrogen and low molecular alkyl radicals, and n means an integer ranging from 2 to 4.

2,596,201
ARTIFICIAL DECOY FISH
Roger Bocchino, Paris, France
Application March 16, 1948, Serial No. 15,143
In France February 17, 1943
13 Claims. (Cl. 43—42.04)



6. In a non-buoyant fish bait consisting of a yielding material, in combination, a front element having an upper portion and a lower portion; an air chamber formed in said upper portion of said front element, said lower portion of said front element being provided with a recess; a weight arranged in the lower portion of said front element and having projecting guiding means integral with said weight, said guiding means partially lining said recess; a link slidably arranged in said recess; and a pair of hooks each having a straight portion connected to said link.

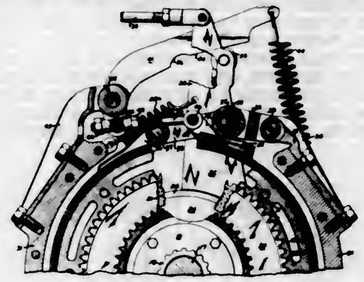
2,596,202
SELF-ALIGNING CONTROLLED FRICTION BEARING
Frank B. Bolte, Los Angeles, Calif.
Application September 13, 1949, Serial No. 115,385
13 Claims. (Cl. 308—72)



1. In a bearing, a bearing pin, a pair of bushings through which said pin extends, said bushings being journalled upon said pin, a third bushing encircling both of said pair of bushings and journalled thereon, said third bushing having a spherical external bearing surface, and a ring having a spherical internal bearing surface encircling said third bushing and journalled thereon, at least one of said bushings having a series of interrupted bearing surfaces having their total area selected so as to adjust the ratio of friction between the various bearing surfaces to effect a desired ratio of relative rotation between said bushings and said ring.

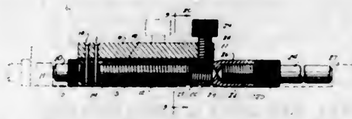
2,596,203
ONE-WAY BAND BRAKE
John W. Bridwell, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application October 7, 1946, Serial No. 701,824
3 Claims. (Cl. 188—82.6)

1. In combination with a brake drum and a band encircling the drum, an anchor for one end of the band including an articulated linkage, an anchor for the opposite end of the band including resilient means tending to tighten the band but permitting limited movement of the entire band relative to the drum and means on the band engageable with said articulated linkage to bias said linkage and tighten said band



upon tendency of the band to move in one direction.

2,596,204
ADJUSTABLE GAUGE
Lawrence D. Bryson, Connellsville, Pa.
Application April 14, 1950, Serial No. 155,976
1 Claim. (Cl. 33—164)

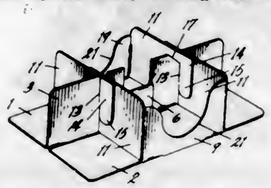


An adjustable gauge comprising a first elongated sleeve, a first elongated pin disposed in said first sleeve and projecting from one end of the first sleeve, a bar extending along said first sleeve beyond the other end of the first sleeve, means rigidly interconnecting said first sleeve, said first pin and said bar at said one end of said first sleeve, said first pin having a screw threaded portion within and circumferentially spaced from said first sleeve, a second sleeve telescopically received in said first sleeve and threaded onto said first pin, a second pin threaded into said second sleeve and projecting from one end thereof in opposition to said first pin, a resilient tongue disposed between said first sleeve and said bar and projecting from said other end of said first sleeve to a location between said bar and said second sleeve, said bar having a tapped hole therein overlying the portion of said tongue between said bar and said second sleeve, and a locking screw threaded through said tapped hole and bearing against said tongue to force the latter into locking engagement with said second sleeve and preclude relative rotation of said second sleeve relative to said first sleeve and said first pin, said second sleeve being rotatable relative to said first pin upon loosening of said locking screw for adjustably varying the length of the gauge.

2,596,205
PARTITIONED TRAY OR HOLDER
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application February 12, 1951, Serial No. 210,606
5 Claims. (Cl. 229—28)

1. A partitioned holder or tray comprising bottom members, a longitudinal partition member hingedly connected at its bottom edge to the inner edge of one bottom member and having spaced cut edges extending downwardly from

its upper edge providing a central swingable strap-like hinge member hingedly connected to the longitudinal partition member and to the inner edge of the other bottom member, said longitudinal partition member having vertical slits in its upper edge spaced longitudinally from said strap hinge member, side wall members hingedly connected to the outer edges of said bottom members, and transverse partition members hingedly connected to the ends of said side wall members



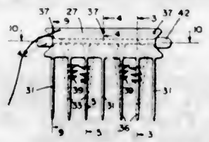
and having tongues on their swinging edges disposed in the said slits in said longitudinal partition member when the tray or holder is erected with the outer edges of the transverse partition members in opposed abutting supporting relation to the longitudinal partition member, the said tongues having depending portions oppositely engaging the longitudinal partition member whereby the side walls and partition members are held in erected position providing a plurality of compartments.

2,596,206
DOWEL BAR INSTALLING DEVICE
Fred D. Carnes, Fort Worth, Tex., assignor to Flexible Road Joint Machine Company, Warren, Ohio, a corporation of Ohio
Application August 22, 1949, Serial No. 111,631
4 Claims. (Cl. 94—39)



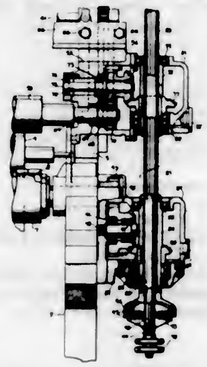
1. A dowel bar installing device comprising a plunger, a dowel receiving pocket notched from the side edge of said plunger, said pocket having a recessed supporting ledge, an inverted hook shaped upper surface above said ledge and outwardly offset therefrom, and in inclined wall therebetween.

2,596,207
COMB
William H. Cartheuser, Sherman Oaks, Calif.
Application June 14, 1948, Serial No. 32,829
20 Claims. (Cl. 132—22)



1. In a comb of the type comprising a back and a plurality of teeth extended therefrom at least one of said teeth including a movable element fixed to the end of said one tooth, means to secure said teeth relative to hair extended therebetween comprising a lateral projection extending from said movable element toward an adjacent tooth, said element being movable with respect to said one tooth to move said lateral projection between extended and retracted positions with respect to said tooth, and manually operable means to retract said projection within said one tooth to an inoperative position by moving said movable element about the end of said one tooth.

2,596,208
WINDING MACHINE
Thomas N. Carter, Bayside, N. Y., assignor to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application January 6, 1950, Serial No. 137,094
5 Claims. (Cl. 242—66)

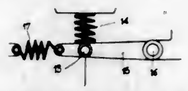


1. In a machine of the character described the combination of a horizontal rotatable shaft supported in fixed journals and having a driving pinion gear fixed to one end, a riding roll supported above said shaft in journal blocks slidably carried respectively on parallel upright guide rails and having a driven pinion fixed to its axle end, and means for driving said riding roll from said rotatable shaft throughout the travel of said riding roll comprising, an axially fixed sleeve journaled for rotation in an oiltight gear housing, gear means within said housing drivingly connecting said sleeve to said driving pinion, a quill shaft disposed parallel to said guide rails and having its lower end freely rotatably passing through said sleeve and supported axially thereby, adjustable friction means connecting said sleeve and shaft, a quill sleeve freely slidably disposed on said quill shaft and continuously rotatably connected thereto, an oiltight gear housing provided in part by one of said journal blocks and carrying said quill shaft rotatably journaled therein, a driving bevel gear secured to said quill sleeve, a combined bevel and spur intermediate gear drivingly connecting said driving bevel gear and said driven pinion gear.

2,596,209
VARIABLE FLEXIBILITY SUSPENSION DEVICE FOR VEHICLES
Gaston Chausson, Asnieres, France, assignor to Societe Anonyme Des Usines Chausson, Asnieres, France, a company of France
Application December 3, 1945, Serial No. 632,489
In France July 9, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 9, 1963
1 Claim. (Cl. 267—20)

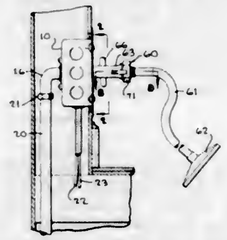
A suspension device of variable flexibility for a wheel of a vehicle, the device comprising a lever,

means for pivotally securing one end of the lever to a portion of the vehicle body, a spring for the opposite end of the lever, means for securing one end of the spring to the free end of the lever and the opposite end of the spring to a second portion of the body with the normal position of the lever substantially horizontal, means for rotatably se-



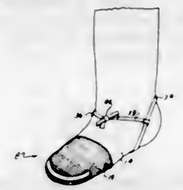
curing the wheel to the lever intermediate the ends thereof, and a second spring disposed intermediate the lever and a third portion of the body, one end of the second spring being adjacent the wheel securing means and the center line of the second spring in the normal horizontal position of the lever being substantially perpendicular to the center line thereof.

2,596,210
CONTROL OUTLET FOR VACUUM CLEANING SYSTEMS
Morry L. Cogshall, Dalhart, Tex.
Application October 31, 1950, Serial No. 193,179
4 Claims. (Cl. 200—53)



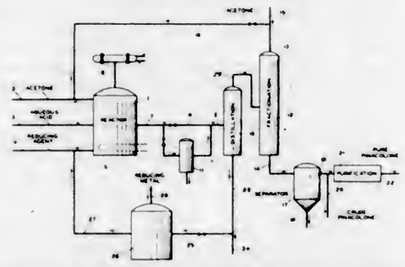
1. An outlet assembly for a vacuum cleaning system comprising a box mountable in a building wall and having an open side adapted to open to the surface of the wall, said box having an opening in the back wall thereof opposite said open side, a vacuum pipe fitting secured to the outer side of said back wall in registry with said opening, a conduit section extending from the inner side of said back wall toward the open side of said box and connected to said vacuum pipe fitting in registry therewith, a first plate disposed transversely of said box near the open side of the latter and in engagement with the adjacent end of said conduit section, said first plate having an opening therein registering with said conduit section, flanges on said conduit section disposed one at each end thereof and respectively secured to said back wall and said first plate, a second plate secured in said housing and spaced from the side of said first plate remote from said back wall, said second plate having an opening therein registering with the opening in said first plate, an annular socket on the side of said second plate remote from said first plate surrounding the opening in said second plate, a collar journaled on said socket and having a noncircular recess in the end thereof remote from said second plate for receiving an end of a tubular key for rotating said collar, a slide plate disposed between said first and second plates and having an opening therein registering with the openings in said first and second plates when said slide plate is in a predetermined position relative to said first and second plates, a link connecting said collar to said slide plate to move said slide plate upon rotational movement of said collar to bring the opening in said slide plate into and out of registry with the openings in said first and second plates for opening and closing the vacuum line through the outlet assembly, spaced apart contacts carried by said box adjacent one end of said second plate, an arm slidably mounted on said second plate at said one end of the latter and extending to a location adjacent said switch contacts, a contact bar carried by said arm and engageable with said switch contacts to electrically interconnect the latter, said slide plate engaging said arm and moving said contact bar to switch closing position when said slide plate is moved to position to open the vacuum line, a cam on said collar engaging said arm and moving said contact bar to switch opening position when said slide plate is moved to position to close the vacuum line, a spring pressed latch carried by said second plate and engaging said collar to releasably hold the latter in either of two limiting rotational positions corresponding to the positions of said slide plate when opening and closing the vacuum line through said outlet assembly, and a third plate secured to said housing at the open side of the latter and at the end of said collar remote from said second plate and having a noncircular opening therein which fully registers with the recess in said collar when the latter is in its vacuum line closing position and is partially out of registry with the recess in said collar when the latter is in its vacuum line opening position to secure said tubular key in said recess when the vacuum line has been opened.

2,596,211
CAST-SOCK
Lydia E. J. Comfort, Minneapolis, Minn.
Application March 30, 1951, Serial No. 218,311
2 Claims. (Cl. 128—157)



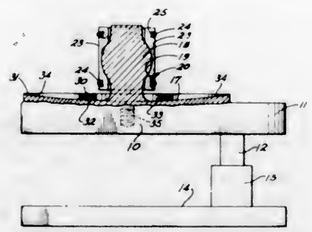
2. A cast-sock of the class described including a sack-like device comprising a bottom portion, the sack having one end closed and the other end open to receive the forward end of the foot for encasing the toes of the foot, a pocket extending substantially around the free edge of the sack adjacent the open end thereof and having a pair of spaced apart opposed openings on the bottom portion of the body, an elastic band carried in the pocket, a first part of the band extending out one of the openings of the pocket, a second part of the band extending out the other opening of the pocket, the two parts of the band forming a loop rearwardly of the open end of the sack, the loop of the elastic band encircling the rear of the foot to aid in retaining the sack-like device in position on the foot, a first tie string carried by the first part of the band at one side of the foot and a second tie string carried by the second part of the band at the other side of the foot, the two tie strings secured together over the top of the foot for aiding in retaining the elastic band on the heel portion of the foot, the said tie strings being slidably mounted on the band.

2,596,212
SYNTHESIS OF PINACOLONE
Francis E. Condon, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 25, 1946, Serial No. 705,683
1 Claim. (Cl. 260—593)



The process of non-electrolytically synthesizing pinacolone from acetone which comprises refluxing a mixture of 131 parts by weight of concentrated aqueous hydrochloric acid having a specific gravity of 1.19, 174 parts by weight of acetone and 65 parts by weight of amalgamated zinc at its boiling temperature for 4 hours, decanting the resulting solution from excess zinc and distilling same until the temperature passes 100° C., fractionally distilling the distillate to free same of acetone, separating the kettle residue into two layers, the upper layer being crude pinacolone, drying said upper layer and fractionally distilling same to recover substantially pure pinacolone as the principal product of the process.

2,596,213
DIE ALIGNER
Guy O. Conner, East Cleveland, Ohio
Application November 29, 1945, Serial No. 631,675
5 Claims. (Cl. 113—38)



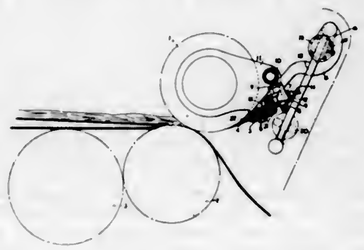
4. In a die set having at least one part formed with a stem adapted to be held in a socket in a forming machine; apparatus of the class described for maintaining parallelism between said part of the die set and said forming machine comprising; a plate engaging said forming machine and formed with a spherical surface engaging a cooperating spherical surface on said one part, and a bushing engaging said socket, said bushing being formed with a spherical surface surrounding said stem and engaging a cooperating spherical surface on said stem, said plate and bushing thereby allowing universal adjustment of said die set part relative to said forming machine, and clamping means engaged between said die set and said forming machine to hold said die set in its adjusted position.

2,596,214
FLY BOX
Dudley C. Corkran, Manchester, Vt., assignor to Charles F. Orvis Co., Inc., Manchester, Vt., a corporation of Vermont
Application July 13, 1949, Serial No. 104,505
3 Claims. (Cl. 43—57.5)



1. In a fly box, a casing having a bottom wall and a cover therefor, a magnet mounted on the bottom wall comprising a magnetized annular member, and disks of magnetic material extending over the top and bottom sides of said member, the lower disk having an upstanding flange having its upper edge spaced downwardly and outwardly from the outer edge of the upper disk, and a rack extending over the top side of the upper disk and having a depending flange surrounding said flange of the lower disk, the corner of the rack between the top portion thereof and said depending flange having a plurality of slots spaced thereabout to permit fly hooks to be passed therethrough and into contact with the spaced edges of said disks.

2,596,215
ROLLER MACHINE FOR THE MOLDING OF DOUGH AND OTHER PLASTIC SUBSTANCES
Edward Milner Crosland, Culcheth, near Warrington, England, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England
Application February 13, 1948, Serial No. 8,229
In Great Britain December 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1965
3 Claims. (Cl. 107—12)



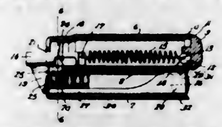
1. A machine for moulding plastic substances including in combination a pair of spaced rolls, a carrier rotatable about the axis of one of the rolls, a scraper blade, a mounting for said blade, a pivot carrying said mounting on said carrier and allowing free angular movement of said mounting thereon, means to lock said mounting on said carrier with the blade in its operative position, an operating handle, and a toggle link connection between said operating handle and said scraper blade carrier.

2,596,216
WORM SIMULATING TOY
Clifford F. Dawson, Wallingford, Vt.
Application June 16, 1950, Serial No. 168,538
2 Claims. (Cl. 46—104)



1. In a toy, an elongated hollow body including a head section, a tail section spaced axially from said head section, and a center section positioned between and connected at its ends to the adjacent ends of the head and tail sections, said center section being flexible relative to said head and tail sections, an endwise slidable rod mounted longitudinally in said head section, spring means normally biasing said rod forwardly in said head section to an inoperative position, a lever pivotally mounted on the rear of said head section having a first arm extending in said center section, said first arm being weighted to normally occupy a reclining position extending longitudinally of the head section, said lever having a second arm projecting laterally with respect to said first arm and normally occupying a transverse position relative to said head section and in the region of the rearward end of said endwise slidable rod, and motor means in said head section including a rotary member having a portion periodically engaged with a portion on said rod for pushing said rod rearwardly against the resistance of said spring means so as to engage said rod against said second lever arm and swing said first lever arm to a position transverse to said head section and thereby flex said center section out of alignment with said head and tail sections.

2,596,217
COMBINED TOOTHBRUSH HOLDER AND POWDER DISPENSER
Tally M. Dendy, Jackson, Miss., assignor of one-third to S. Buford Key and one-third to Victor Vance, both of Jackson, Miss.
Application February 1, 1950, Serial No. 141,745
6 Claims. (Cl. 132—84)



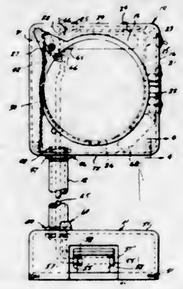
1. A unitary powder dispenser and toothbrush holder comprising in combination, a powder container and toothbrush-receiving receptacle integrally united one on top of the other, a cap for the container, a slidable cylindrical plug valve in said container and a tension spring connected between the cap and the valve, the container and receptacle having registering discharge openings therein, an integral lug on the valve extending through the openings and into one end of the toothbrush receptacle, the valve and its lug being movable through keyhole shaped openings in the rear faces of the container and receptacle, and a toothbrush operable in the receptacle and engaging the valve to uncover the discharge openings, and oppositely disposed lugs adjacent the open end of the toothbrush receptacle, the toothbrush having grooves in its handle registering with the said lugs.

2,596,218
TELESCOPING BOX
Charles W. Dennis, Brooklyn, N. Y.
Application March 7, 1946, Serial No. 652,541
1 Claim. (Cl. 229—6)



A container of the character described comprising a bottom member and a top member, said bottom member including a cylindrical side wall, an inner disc within and engaged by said side wall and substantially aligned with the bottom end face of said side wall, and an outer disc overlying said bottom end face of said side wall, said outer disc extending out beyond said cylindrical side wall and turned inward to terminate in tight engagement with the outer surface of said side wall, said turned portion of said outer disc forming an outwardly extending border, said top member including a cylindrical side wall formed of a strip of paper having inner and outer portions folded flat upon each other about a fold at the lower end thereof, said inner and outer portions of said top abutting one another along diverging lines of joinder, the outer of said folded portions extending up above the inner portion, said inner portion terminating in an upwardly facing end seat, and a closure disc seated on said end seat of said inner portion and said extending end of said outer portion being turned inwardly and downwardly to terminate in a downwardly facing end seat, said downwardly facing end seat engaging said closure disc and securing the same in place on said upwardly facing end seat, said top member being mounted on said bottom member with the cylindrical side wall thereof telescopically overlying the cylindrical side wall of said bottom member with the bottom end of the side wall of said top member seating on said outwardly extending border of the outer disc of said bottom portion and the upper end of the cylindrical side wall of said bottom member substantially engaging the inner surface of said closure disc of said top member.

2,596,219
DENTAL STERILIZER
Victor H. Dietz, Ypsilanti, Mich.
Application February 20, 1950, Serial No. 145,237
8 Claims. (Cl. 250—51)



1. A sterilizing apparatus for a dental handpiece and contra-angle comprising a cabinet having a relatively large opening in its front wall for insertion and withdrawal of said handpiece and

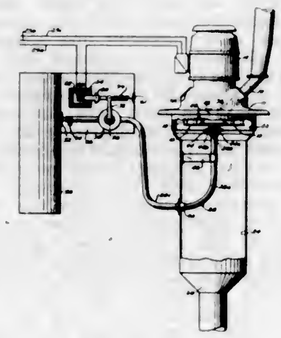
contra-angle, a retaining means for the handpiece in a side wall of the cabinet adjacent said front wall opening adapted to engage and hold the inserted handpiece, a movable closure for said front wall opening, operating means for said movable closure whereby said closure is moved to close the front wall opening and to expose said front wall opening, a germicidal radiation source mounted for movement in said cabinet adjacent said inserted handpiece and contra-angle, means for moving said movably mounted germicidal radiation source connected with said closure operating means whereby actuation of said closure operating means to expose said front wall moves said germicidal radiation source away from said handpiece and attached contra-angle and actuation of said closure operating means to close the front wall opening moves said germicidal radiation source toward and adjacent to the handpiece and contra-angle.

2,596,220

GRAIN FLOW CONTROL

Robert B. Dodds, Woodbridge, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., New Haven, Conn.

Application May 5, 1949, Serial No. 91,512
3 Claims. (Cl. 259—11)



1. In apparatus for continuously mixing a particled bulk product and a gas in accurate proportions, a casing, an electric motor mounted on said casing, a rotor driven by said motor and having a plurality of circumferentially spaced impactors, means for directing said particled bulk product to said rotor, the load on said motor being in proportion to the rate of flow of said bulk product through said last-mentioned means, an annular wall radially spaced from said rotor and providing a surface for impacting said particled bulk product and deflecting it downwardly, said casing also defining a mixing chamber below said annular wall, flow means for leading said gas into said mixing chamber and mixing it with said particled bulk product, valve means adjustably positioned in said flow means to control the rate of flow of said gas into said mixing chamber, and electromotive means having a winding electrically connected to said motor to provide a current flow through said winding in proportion to the load upon said motor, said electromotive means also having an armature operatively associated with said valve to regulate the flow of gas proportionately to the rate of flow of said particled bulk product.

2,596,221

PROCESS OF YARN MANUFACTURING

Robert G. Dort, Summit, N. J., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application April 7, 1950, Serial No. 154,741
8 Claims. (Cl. 57—157)

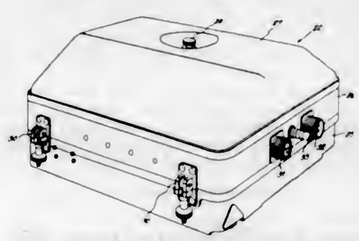
1. In a process for the manufacture of heavy denier yarns suitable for the production of carpeting, heavy upholstery fabrics and similar textile materials, the steps which comprise assembling a plurality of continuous unitary filaments in substantially parallel relation to form a tow having a total denier of between about 1,000 and 10,000, crimping all the filaments in the tow while the filaments are in substantially parallel relation in a single plane and extend along the length of the tow, and applying a twist to the tow of between about 2 and 12 turns per inch.

2,596,222

ELECTRICALLY OPERATED AERIAL CAMERA HAVING HINGED MAGAZINE SECTIONS

Irving W. Doyle, Massapequa, and Carl V. Johnson, Kew Gardens, N. Y., assignors to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware

Application May 30, 1945, Serial No. 596,670
2 Claims. (Cl. 95—12.5)



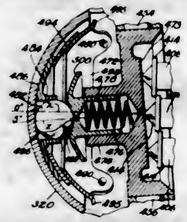
1. In a unitary film magazine and focal plane shutter adapted to be separably mounted on a camera cone, the combination of upper and lower housings, means separably connecting said housings whereby they may be separated for ready access to the interior of each, a focal plane shutter in said lower housing, driven mechanism in said lower housing connected to said shutter adapted when driven to reset said shutter, remotely controllable shutter tripping means mounted in said casing in operative relationship to said shutter, and driving mechanism including film supporting and transporting means in said upper housing and connected to said film transporting means, said mechanisms including driving and driven meshable gears forming a separable driving connection between said driving mechanism in said upper housing and said driven mechanism in said lower housing, whereby when said housings are connected said driven mechanism may be operated to reset said shutter, said meshable gears comprising a mutilated gear connected to and operated by said driving mechanism, and a pinion connected to said driven mechanism said driving mechanism including a cycling device which at the end of one operative cycle juxtaposes the edentate portion of said mutilated gear to said pinion whereby when said housings are connected there is no interference between the teeth on said mutilated gear and those on said pinion.

2,596,223

CONTROL APPARATUS FOR POWER-OPERATED GUN MOUNTS

Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application August 16, 1946, Serial No. 690,910
4 Claims. (Cl. 89—41)



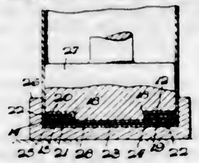
2. Control apparatus for a fluid pressure system comprising a valve element for said system and a combined operating handle means and wobble element mounted for universal movement, means connecting said wobble element to said valve element for transmitting an initial movement of the handle means to the valve element, a spherical section at one side of the wobble element, a spherical washer in frictional engagement with the concave side of said spherical section, a ball retained by said spherical washer and in rolling contact with said spherical section and a plunger with a conical seat engaging said ball, said plunger being mounted on the wobble element and resiliently pressed against the ball.

2,596,224

PAPER CONTAINER

Wilfred A. Eaton and Roy S. Sanford, Oakville, Conn., assignors, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan, and one-half to a group comprising Ace C. Fessenden, Chicago, Ill., and Ace Carton Corporation, Chicago, Ill., a corporation of Illinois

Application January 31, 1946, Serial No. 644,547
19 Claims. (Cl. 229—37)



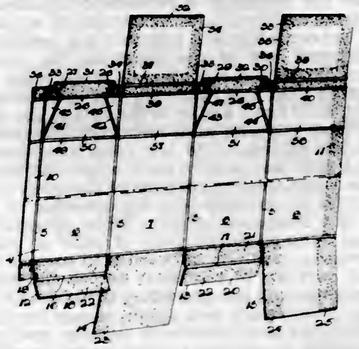
10. The method of closing an open end of a tubular container of rectangular cross section provided with foldable end flaps integral with the walls of the container and of directing and flowing an adhesive toward the corners and edges of the container end to seal all openings therein, which comprises providing a coating of adhesive on the inner surface of each flap, folding the outer portions of two opposed flaps inwardly with the edges substantially coinciding with the edges of the inner portions of said flaps to form flaps of two superposed layers having two layers of said adhesive coating therebetween, folding the other flaps inwardly in overlapping relationship with said two flaps, and subjecting all of said flaps to pressure sufficient to effect an adhesive bond between the adjacent surfaces of said flaps and to positively flow a portion of the adhesive coatings on said two flaps outwardly toward the free edges of the outer portions of said two flaps.

2,596,225

CONTAINER

Wilfred A. Eaton, Oakville, Conn., assignor, by mesne assignments, of one-half to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan, and one-half to a group comprising Ace C. Fessenden, Chicago, Ill., and Ace Carton Corporation, Chicago, Ill., a corporation of Illinois

Application May 23, 1946, Serial No. 671,832
29 Claims. (Cl. 93—39)



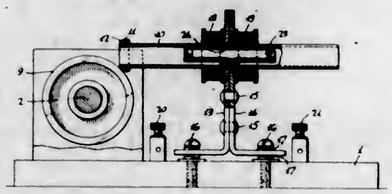
1. The method of forming a substantially flat end closure for a polygonal tubular container of sheet material having an even number of side walls, which comprises scoring and cutting the material to provide at least one foldable end closing flap integral with one of the side walls and to define side walls divided into lower and upper panels, scoring the upper portions of said lower panels on alternate side walls to define a pair of triangular lower panels thereon, scoring the upper panels on said alternate side walls to define a substantially isosceles trapezoidal panel and a pair of upper substantially triangular panels, coating all of said upper panels with adhesive, folding said triangular lower panels and the upper portions of all of the lower side wall panels inwardly with respect to said container walls and substantially simultaneously folding all of said upper panels outwardly substantially into planes at right angles to the vertical axis of the tubular container, folding said end flap inwardly with its inner surface in engagement with the inner surfaces of said trapezoidal on said alternate side walls and with said upper panels on the other of said side walls, and pressing said flap against said trapezoidal panels and said last named upper panels to effect a bond between said flap and panels and to flow said adhesive to fill all openings between said upper panels and flap.

15. A closure for one end of a tubular container of sheet material having a plurality of side walls, said closure comprising an outwardly folded flange forming panel at said one end of each side wall, inwardly folded panels on each side wall for supporting said flange forming panels, outwardly folded panels connecting said flange forming panels and forming continuous webs therebetween, inwardly folded panels connecting said supporting panels and forming continuous webs therebetween, and at least one end flap adhesively secured to said flange forming panels, and said outwardly folded connecting panels being adhesively secured to the inner surfaces of adjacent flange forming panels.

16. Mechanism for forming a flat end closure for a four-sided, open-ended tubular container of paperboard material, comprising a pair of rela-

tively movable members movable toward each other for pressing a pair of opposite sides of the container inwardly along lines parallel to but spaced from said open end and across the entire width of said pair of sides to form a pair of inwardly directed panels and to support the container, a second pair of relatively movable members movable toward each other for simultaneously pressing intermediate portions of the other opposite sides inwardly along lines lying in the same plane as the first named lines and to support the container, a retractable member having a cross sectional area substantially equal to that of the container and movable to a position within the open end of the container for folding the portions of the container sides between the first named lines and said open end outwardly at substantially right angles to the axis of the container to form opposite and outwardly directed flanges during movement of the respective members of said first pair toward each other and for folding the corresponding portions of the other sides outwardly at substantially right angles to the axis of the container to form other opposite flanges and folding end portions of each of said corresponding portions outwardly to overlie adjacent end portions of said first named flanges during movement of the respective members of the second pair toward each other, means for thereafter retracting said retractable member, and a plunger operable to adhere an end panel to all of said flanges.

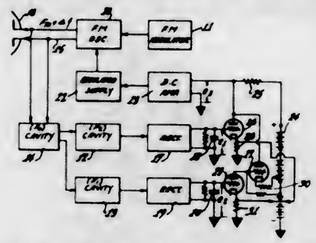
2,596,226
DEVICE FOR PRODUCING MOTION
George C. Eldridge, Jr., Wenonah, N. J.
Application September 25, 1950, Serial No. 186,641
7 Claims. (Cl. 172—126)



1. A device for producing unidirectional motion, comprising a member arranged to be driven and having a hard elastic surface, a magnetostrictive driving member closely adjacent to said first member to drive said first member undirectionally by repeated impact, said driving member having a hard elastic surface arranged cooperatively with the surface of said first member to impact the same, means adjustably supporting said driving member to enable variation of its impacting force on said first member, and electrical means closely adjacent to said driving member for effecting high frequency magnetic stimulation of said driving member to cause rapidly recurring impact between said surfaces, thereby to drive said first member.

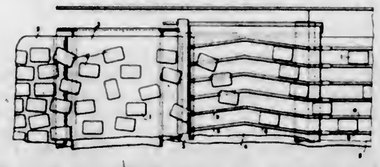
2,596,227
FREQUENCY-MODULATED OSCILLATOR
George L. Fernsler, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 12, 1946, Serial No. 696,557
2 Claims. (Cl. 250—36)

1. A system for minimizing drift of a band of frequencies swept by a frequency-modulated oscillator comprising a resonant cavity tuned to the desired mid-frequency of said band and excited from the output of said oscillator, two broadly resonant cavities coupled in push-pull relation to said first-named cavity and tuned respectively to frequencies higher and lower than the desired



high and low frequency limits of said band, regulating means for determining the mean frequency of the oscillator output, and means for deriving from said cavities control voltages jointly applied to change the regulation point of said regulating means.

2,596,228
ARRANGING DEVICE FOR FLAT ARTICLES
William Pritchard Fletcher, Newton-le-Willows, England, assignor to T. & T. Vicars Limited, Newton-le-Willows, England, a British company
Application February 13, 1948, Serial No. 8,194
In Great Britain February 24, 1947
2 Claims. (Cl. 198—30)

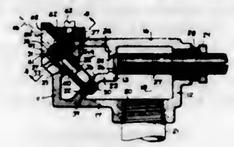


1. A positioning device for flat articles comprising an inclined chute, ribs on said inclined chute spaced apart at a distance slightly greater than the minor dimension of an article and of a height such that the hypotenuse from the base of one rib to the top of the next adjacent rib is less than the major dimension of the article but greater than its minor dimension, said ribs being inclined first in one direction and then in the other direction relatively to the surface of said inclined chute, means to feed articles to the upper end of said inclined chute, a moving belt conveyor and upstanding stationary fins adjacent to said conveyor similarly spaced to the said ribs and contiguous to their lower ends, and of a heighth such that the hypotenuse from the base of one fin to the top of the next adjacent fin is less than the major dimension of the article.

2,596,229
DUAL PRESSURE GAS BURNER
John H. Flynn, New Rochelle, N. Y.
Application March 5, 1947, Serial No. 732,495
2 Claims. (Cl. 158—104)

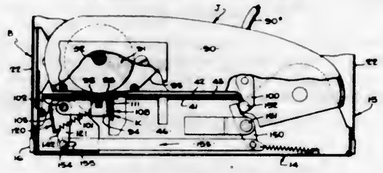
1. A dual-pressure gas burner, comprising a casing having an internal partition dividing it into a high-pressure chamber and a low-pressure chamber, a cylindrical outlet in said casing and communicating with said low-pressure chamber, and a tapped through-passage in said partition in axial alignment with said outlet; and a jet-

plug having a longitudinal core provided with a longitudinal high-pressure-gas through-passage and a threaded inner end received in said tapped passage for removably mounting said core in installed position in which the same extends with clearance through said outlet, and circumferentially spaced longitudinal ribs projecting outwardly from said core and being, in the installed position of the latter, in engagement with a length of said outlet other than an outer end-



length thereof to define in said outlet a plurality of low-pressure gas passages, the outer end of said core being provided with means for releasable interlock with a tool with which to turn the plug for its installation in and removal from the casing, and said threaded core end being longer than said end-length of said outlet so that said ribs will be in brushing engagement with said entire end length on screwing the plug from and into the casing.

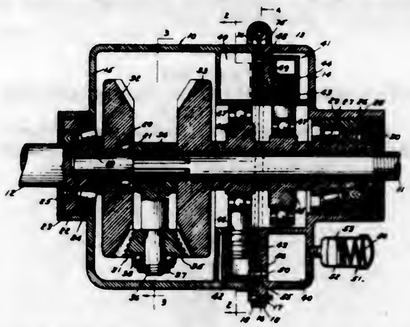
2,596,230
COIN-CONTROLLED MACHINE FOR ISSUING FOLDERS
Chester A. Frick, Glendale, Calif., assignor to Leo M. Harvey, Los Angeles, Calif.
Application August 20, 1947, Serial No. 769,612
5 Claims. (Cl. 101—287)



1. In a machine of the character described, a printer including two cooperating elements one shiftable relative to the other, a spring actuated rocker normally urged toward the shiftable element to move it toward the other element, and a slidably pivoted latch lever engageable with the rocker pivotally movable to retract the rocker and shiftable to release the rocker for operation of the shiftable printer element.

2,596,231
VARIABLE-SPEED MECHANISM
Arthur G. Frost, Flint, Mich.
Application January 29, 1951, Serial No. 208,339
4 Claims. (Cl. 74—778)

1. Variable speed driving mechanism having in combination a drive shaft, a driven shaft supported for rotation relative to the drive shaft, an intermediate shaft supported for rotation relative to both the drive and driven shafts, two groups of cylinders spaced from each other axially of the intermediate shaft, the cylinders in each group being distributed around the intermediate shaft with their axes extending radially with respect to the axis of the intermediate shaft, a reservoir for fluid communicating with the cylinders through the medium of ports concentrically arranged with respect to the intermediate shaft, pistons respectively slidably mounted in the cylinders and movable outwardly to displace fluid from the cylinders into the reservoir, a cam on the intermediate shaft for operating the pistons in one group of cylinders, a second cam on the intermediate shaft for operating the pistons in the other group of cylinders, means for control-



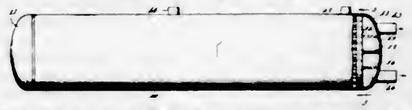
ling the flow of fluid through the ports in said cylinders including a ring supported for rotation between the groups of cylinders in concentric relation to the intermediate shaft and having openings therethrough respectively registerable with said ports upon rotation thereof relative to the groups of cylinders, and differential gearing connecting the drive shaft to the intermediate shaft and to the driven shaft.

2,596,232
TOY FOR DENTAL ENGINES
Charles J. Gardetto, Milwaukee, Wis.
Application August 15, 1947, Serial No. 768,755
5 Claims. (Cl. 46—122)



1. A toy applicable to the cord or belt of a dental engine to pass freely therewith about the pulleys of such engine, said toy comprising a thin sheet of rubber having just sufficient body to resume its form after deformation, said rubber sheet having a mounting portion applicable to the cord or belt and provided with spaced apertures, and a connector comprising a wire traversing the apertures and arcuately shaped to encircle said cord.

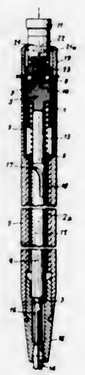
2,596,233
PRESSURE VESSEL
Donald B. Gardner, Oak Park, Ill., assignor to Bell & Gossett Company, Morton Grove, Ill., a corporation of Illinois
Application April 6, 1946, Serial No. 660,226
1 Claim. (Cl. 220—66)



In a pressure vessel, the combination of a shell, a wall fitting within and extending transversely

of the shell at one end thereof, a portion of the wall projecting beyond the shell to provide a shoulder, a dished head fitting over the shoulder with its edge face spaced from the adjacent end of the shell to thereby define a channel extending around the exposed periphery of the wall, and welding material in the channel for securing the shell, wall and head together, the head being interiorly divided by partitions which abut and tightly contact the wall.

2,596,234
ACTUATING MECHANISM FOR MECHANICAL PENCILS
Joseph Gartenmann, Zurich, Switzerland
Application August 15, 1949, Serial No. 110,265
In Switzerland July 26, 1948
3 Claims. (Cl. 120—14.3)

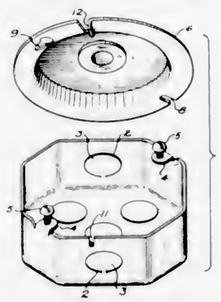


2. In a mechanical multi-lead pencil having a sleevelike outer housing, a plurality of longitudinally extending cells within said housing, each said cell being adapted to contain a lead, lead feeding means within said housing, said means being axially slidable to protrude from the lower end of said housing, and a selector mechanism operable to permit the lead contained in each cell to pass from one of said cells into said feeding means, and in return, said selecting mechanism including a selecting member, said member being axially slidable and rotatable within the housing and extending towards the upper end of said housing, an arrangement whereby said selecting member may be alternatively locked against rotation or rotated as desired, said arrangement comprising a plurality of guide slots, each formed as a longitudinal continuation within the upper portion of said housing of one of said cells, recessing of the radially inner portion of the walls defining said guide slots at the upper extremity thereof to provide said continuation into a zone of greater inside diameter and a zone of lesser inside diameter, locking means for said selecting member, said locking means comprising a crossbore in the portion of said selecting member contiguous to said slots, at least one sphere protruding from said crossbore, a spring in said crossbore, said spring serving to force said sphere radially outwardly toward said slots, and a pin in said crossbore, said pin being of such length as to limit displacement of the sphere into the said crossbore to engage said sphere with the portion of said guide slots in the zone of lesser inside diameter, while permitting said sphere to ride resiliently over said guide slots in said zone of greater inside diameter, springs means urging said selecting member upward to dispose said sphere in said zone of greater inside diameter, and an actuating button insertable through the upper end of said housing and removable therefrom, said button extending axially within the housing, that portion of said button so extending within said housing being provided with means to coact with said selecting member to effect rotation thereof when said sphere is positioned in the zone of greater inside diameter, whereby the application of pressure on said button in opposition to said spring means forces said sphere down a guide slot and out of the zone of greater inside diameter and brings a lead into the feeding means.

2,596,235
TERPENE-PHENOLIC REACTION PRODUCT
Lyle M. Geiger, Edgewood, Pa., assignor to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 2, 1947, Serial No. 777,594
7 Claims. (Cl. 260—619)

1. That method which comprises heating ordinary phenol (C_6H_5OH) in contact with a condensation catalyst, adding to the heated mixture a natural cyclic terpene, said phenol being present in molar excess over said terpene, and separating from the reaction mixture condensation product characterized by existing reversibly in a resinous form and in a crystalline form melting at 98° C. after recrystallization from alcohol, by being reactive with drying oils, and by complete solubility in alcohol as determined by the test described herein.

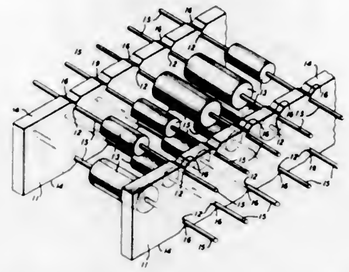
2,596,236
ELECTRIC OUTLET BOX
Paul J. Glosier, Maplewood, Mo.
Application February 7, 1949, Serial No. 74,990
1 Claim. (Cl. 220—3.8)



In an electric outlet box having a rotatably detachable cover formed with diametrally opposed slots in its face, one of said slots being radial and communicating at its outer end with the periphery of said cover, the other of said slots being arcuate and having one substantially enlarged end portion, said box being formed with screw openings adapted for registry with said radial and arcuate slots, screws in said openings for normally securing said cover to said box, said box being formed with a substantially vertical slot in its upper edge, a downwardly extending projection on said cover formed by pressing a portion of said cover outwardly at substantially

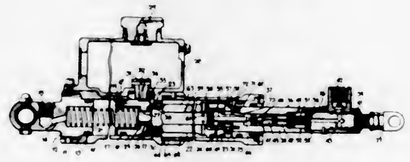
a right angle to the plane of said cover, said projection being adapted to register with and to abut against the substantially vertical walls of said vertical slot to prevent undesired rotation and consequent loosening of said cover.

2,596,237
MOUNTING FOR CIRCUIT ELEMENTS
Herbert R. Gross, Caldwell, and Henry R. Massingham, Westfield, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1949, Serial No. 91,744
2 Claims. (Cl. 175—298)



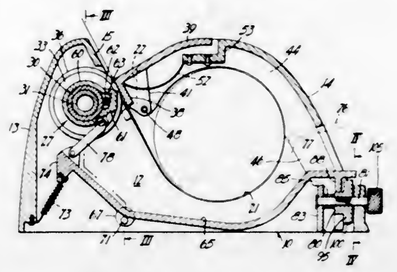
1. An assembly of circuit components for use in electrical apparatus comprising two flat strips of thermo-plastic material disposed in spaced parallel relation face to face to each other, and a plurality of circuit components disposed between the strips and having leads extending from the ends thereof through and beyond the strips to serve as points of attachment for conductors connecting the components into circuits of apparatus, said leads being integrally sealed into the strips to form a rigid unitary assembly.

2,596,238
FLUID POWER ACTUATOR
Martin V. Groves, New Rochelle, N. Y., assignor of one-half to Arthur Wilde and Arthur Hull-Ryde, both of Bayside, N. Y., jointly
Application December 21, 1948, Serial No. 66,466
7 Claims. (Cl. 60—54.6)



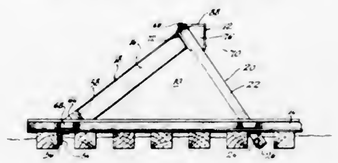
1. In a fluid power actuator, the combination of a cylinder, a pair of pistons arranged in tandem within said cylinder and spaced apart to form a chamber therebetween, manually operable means for moving one of said pistons toward the other, conduit means for connecting said chamber to a source of pressure fluid, a normally closed inlet valve disposed within said conduit means for controlling the flow of fluid from said source to said chamber, second valve means for controlling the opening and closing of said chamber, said valve being carried by said one of said pistons and movable thereby, said valve being urged to closed position by fluid in said chamber, and means interposed between said valves for opening said inlet valve when said one of the said pistons has been moved manually beyond a predetermined distance.

2,596,239
COPYHOLDER
John P. Halstead, Buffalo, N. Y.
Application June 10, 1950, Serial No. 167,323
7 Claims. (Cl. 120—32)



4. In a copy holder, a unitary casing comprising top, side, and end walls, generally circular concentric openings in the opposite side walls of said casing, a continuous tranverse opening extending entirely across the top wall of the casing and downwardly along the side walls and merging tangently with said circular openings whereby copy moved edgewise downwardly into said transverse opening is rolled in scroll form by engagement with the edges of said generally circular side wall openings.

2,596,240
BUMPING POST
Stanley W. Hayes, Richmond, Ind., assignor to Hayes Track Appliance Company, Richmond, Ind., a corporation of Indiana
Application March 18, 1947, Serial No. 735,402
16 Claims. (Cl. 104—254)



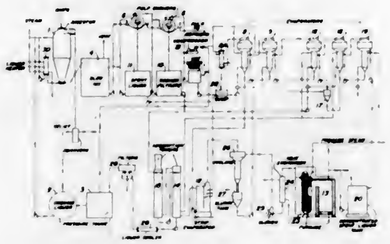
1. A bumping post including two unitary but separate sections each having means for connection to opposite points in track rails, one of said sections including a pair of downwardly and rearwardly diverging members and a rigid bumper head secured to and carried by the members at their upper ends and serving as a compression unit and the other as a tension unit, said bumper head extending substantially forwardly of the downwardly and rearwardly diverging members and having a recessed seat formed across the top thereof adjacent the place of securement to said members and said tension unit encircling only the bumper head structure in said recessed seat, and means removably securing the two sections together in interlocking relationship.

2,596,241

TREATMENT OF THE SPENT COOKING LIQUOR OF AN AMMONIA BASE SULFITE PULPING PROCESS

Donald Helleur, Kenogami, Quebec, Canada, assignor to Price Brothers & Company, Limited, Quebec, Quebec, Canada, a corporation

Application December 20, 1948, Serial No. 66,308
4 Claims. (Cl. 23—129)



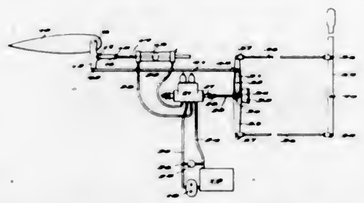
1. The method of treating the spent cooking liquor resulting from the digestion of cellulosic fibrous material in an ammonium base sulphite cooking liquor, which comprises adding magnesium oxide to the spent cooking liquor to convert said spent cooking liquor to magnesium base spent liquor and to liberate ammonia, concentrating said magnesium base spent liquor by evaporation to a combustible concentrate, calcining said concentrate to recover magnesium oxide as an ash and to yield combustion gases containing sulphur dioxide, and bringing said liberated ammonia into intimate contact with said combustion gases in the presence of water to produce sulphited ammonia for fresh ammonium base sulphite cooking liquor.

2,596,242

VARIABLE RATIO BOOSTER CONTROL SYSTEM

Thomas C. Hill, Aberdeen, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application May 12, 1949, Serial No. 92,834
11 Claims. (Cl. 121—41)



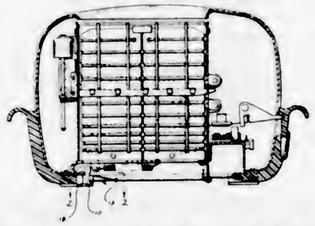
1. A booster control system for an airplane having a movable control surface, a power actuator for moving said control surface, manual control means movable from a neutral position to cause actuation of said power actuator, means for applying a force to said manual control means proportional to the load on said control surface and tending to return said manual control means to neutral position, and means for controlling said force applying means and responsive to the load on said control surface for decreasing the ratio of said force to said load as said load increases.

2,596,243

TOASTER CRUMB TRAY LATCH

Murray Ireland, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware

Original application January 4, 1946, Serial No. 639,018. Divided and this application September 4, 1948, Serial No. 47,899
2 Claims. (Cl. 292—99)



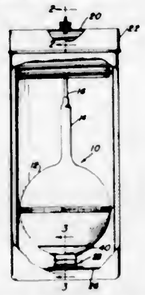
1. A closure latching device comprising a pivoted member, a latch hook adapted to releasably hold a closure in closed position, a spring arm adapted to tension the latch hook in holding engagement with the closure and adapted to urge the closure to open when released by the latch hook, the latch hook and spring arm being rigidly mounted on the pivoted member and projecting therefrom in spaced opposing relation to each other and transversely to the pivotal axis of the pivoted member, the latch hook being adapted to holding engagement with the outer face of the closure and the spring arm being adapted to tensioned engagement with the inner face of the closure whereby the closure is releasably held between the latch hook and spring arm in closed position.

2,596,244

SHOCK ABSORBING SUSPENSION FOR LIQUID GAS CONTAINERS

Howard S. Jacket, Brooklyn, N. Y., assignor to Hofman Laboratories, Inc., Newark, N. J., a corporation of New Jersey

Application July 12, 1951, Serial No. 236,439
6 Claims. (Cl. 220—15)



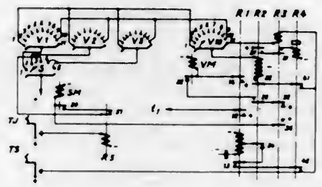
1. In combination with a liquid gas inner container and an outer container receiving the same, a shock absorbing suspension comprising a threaded stem depending from the bottom of said inner container, a flexible bellows-type member secured at its bottom end to the inner bottom surface of said outer container, a bearing plate secured to the upper end of said member conforming in shape to a portion of the bottom of said inner container and abutting said portion, and a threaded nut carried by said bearing plate and receiving said threaded stem.

2,596,245

SIGNAL SENDING DEVICE WITHIN AUTOMATIC TELEPHONE SYSTEM

Karl Georg Johnson and Nils Valdemar Hofstrand, Stockholm, Sweden, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden

Application December 28, 1948, Serial No. 67,584
In Sweden January 9, 1948
2 Claims. (Cl. 179—18)



1. In telephone systems of the type including a first exchange, a second exchange, a junction line joining said exchanges; in said first exchange a sender containing a register mechanism, means for setting said register mechanism in accordance with a called subscriber's telephone designation, means for connecting said sender to said junction line, means in said sender for sending impulse series representing the subscriber's telephone designation registered in said register mechanism over said junction line; in said second exchange subscriber's lines, selectors and a register for setting communications to said subscriber's lines over said selectors, means for connecting said second register to said junction line by a call from said first exchange and registering means in said second register set by the impulse series sent by said sender; the combination therewith of means for sending signals indicating the kind of communication comprising in said sender control means having a number of contact positions and arranged to successively engage all said positions for each impulse series and a relay connected to be energized from each impulse series by said control means engaging one of said positions marked by said first exchange register mechanism; signalling means for causing additional impulses in at least one of said impulse series, said signalling means being connected to render said relay ineffective temporarily whereby said control means passes all its positions a number of times, means cooperating with said signalling means for rendering said relay effective after said control means has passed all its positions the number of times determined by said signalling means; and means in said second register for recording the number of additional impulses.

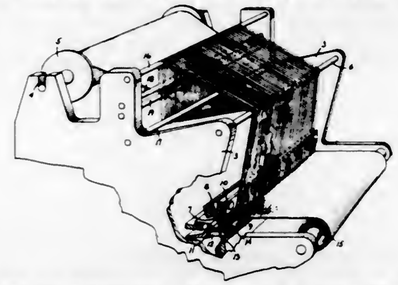
2,596,246

APPARATUS FOR PRODUCING TEXTILE FABRICS

Thomas H. Johnson, Elmhurst, N. Y., and Wirt L. Thompson, Jr., Fairfield, Conn., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application August 16, 1949, Serial No. 110,632
16 Claims. (Cl. 28—1)

1. A machine for fabricating textile structures comprising means for supporting a wound supply roll of a warp-knit fabric splittable in a longitudinal direction, means adjacent the supply for splitting such fabric into its components, and means comprising relatively movable elements for fabricating the split components into a textile structure.

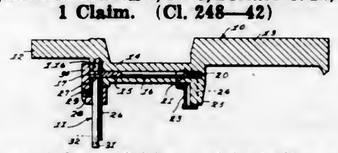


2,596,247

FISHING ROD HANDLE AND HOLDER THEREFOR

Paul J. Kacsor, Cleveland, Ohio

Application March 2, 1948, Serial No. 12,634
1 Claim. (Cl. 248—42)



A support for a fishing rod including a horizontally disposed handle having a vertically disposed socket extending partially therethrough from the underside thereof, there being a longitudinally extending slot in said handle having one end terminating in said socket, a stem slidably mounted in said socket and having one end adapted to be secured to a supporting surface, said stem having an annular recess extending transversely thereof in aligned relation with the slot in said handle, means slidably mounted within the slot and having one end engageable with the recess in said stem for rotatably securing the latter within the socket, said last named means embodying a latch bolt having a latch dog adjacent said one end of the latter, resilient means positioned adjacent the other end of said slot and operatively connected to the other end of said bolt for biasing said latch dog into engagement with the recess in said stem, a depending boss spaced from said vertically disposed socket and secured to said underside of said handle, a pin disposed transversely of said latch bolt contiguous to and spaced from said other end thereof and secured thereto, the free ends of said pin projecting through opposed longitudinally extending slots provided in said handle and being slidable therealong, and trigger means movable toward and away from said depending boss and operatively connected to said pin for urging said latch dog away from said recess in response to the movement of said trigger means toward said depending boss.

2,596,248

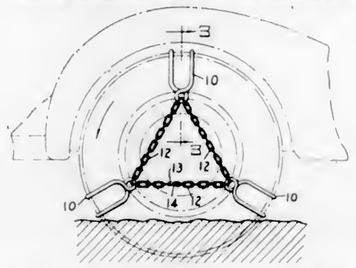
VEHICLE DRIVING CHAIN

James A. Kennedy, Ann Arbor Township, Washtenaw County, Mich.

Application August 17, 1946, Serial No. 691,231
1 Claim. (Cl. 152—225)

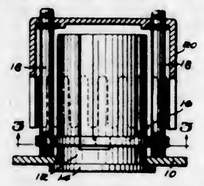
A detachable traction device adapted to be selectively mounted on a wheel having a tire, said

device comprising three hook members, each of said members having a body in the form of an elongated ring bent to form a hook with a single eyelet provided on the end of said body on the outer side of the wheel; three pieces of chain each having ends secured to two adjacent hook



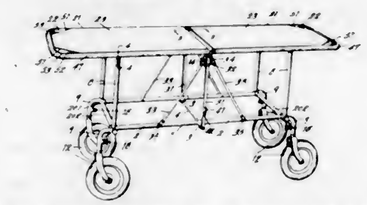
members at said eyelets to effect equi-distant arrangement of said members on the tire, said chains being adapted to resist moving of said hook members along the periphery of said tire when said hooks are in contact with the ground, and a separable lock on one of said chains.

2,596,249
BUBBLE TOWER
Frank J. Kerrigan, Winchester, Mass.
Application October 27, 1948, Serial No. 56,689
4 Claims. (Cl. 261—114)



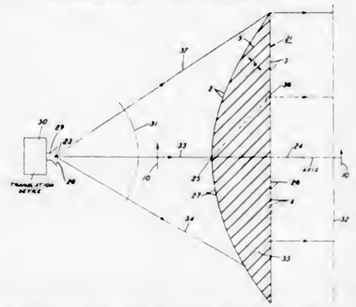
1. In a bubble tower, a mounting flange extending around the inside of the tower, a bubble tray composed of a plurality of sectional plates seated on said flange, a plurality of mounting posts on said flange, said sectional plates being freely removable from the bubble tower and means for holding the sectional plates into position comprising hold-down straps removably connected to the mounting posts, each of said straps having a plurality of compression screws to hold said plates down against said flange.

2,596,250
COLLAPSIBLE STRETCHER
Ira C. Klingler, Elkhart, Ind.
Application March 23, 1950, Serial No. 151,352
6 Claims. (Cl. 296—20)



1. In a folding stretcher, the combination of a running gear frame comprising pairs of longitudinally extending transversely spaced base members, said pairs being arranged in end to end relation and having downwardly offset coacting pivot ears at their inner ends, a pivot rod common to the said pivot ears, the adjacent ends of the base members having interengaging abutting ends when erected, transverse cross members connecting the outer ends of said base members and being rotatable with respect thereto, the cross members having fixed uprights at their ends, top members comprising border frames and panels having downturned flanges on their outer edges disposed within and secured to said border frames, pivot rods extending between the side members of the top border frames pivotally engaging the upper ends of the uprights, spacers disposed on said last rods between said uprights, said top members having downwardly offset hinge members at their inner ends, a pivot rod common to said hinge members, top supporting links pivotally engaging said first mentioned pivot rod for said base members and said pivot rod for said top hinge members, slides on said links provided with keepers, diagonally disposed brace members pivotally connected to said slides and to said base members, spring biased latches pivotally mounted on said top hinge member pivot rod at the inner sides of said links to engage said keepers on said slides when the stretcher is erected, a spacer on said top hinge member pivot rod disposed between said latches, a connecting rod extending between said latches, a release rod connected to one of said latches and slidably engaged with one of said links, a pair of extension springs each connected at its inner end to a top member in spaced relation to but adjacent its pivoted connection to the other top member, the outer ends of the springs being connected to the opposite top member remotely relative to the top hinge connections, and castor wheels mounted on the corners of said running gear frame.

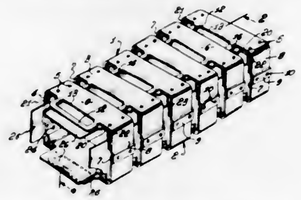
2,596,251
WAVE GUIDE LENS SYSTEM
Winston E. Kock, Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 1, 1948, Serial No. 52,349
10 Claims. (Cl. 250—33.63)



1. A refractor for a wide range of linearly polarized, high frequency, electromagnetic waves having a predetermined direction of propagation, said refractor comprising a plurality of conductive, parallel, electromagnetic wave reflecting members, said members being spaced in the direction of polarization at substantially equal intervals, each of said intervals being not greater than one-half wavelength of the highest frequency of said frequency range, a first boundary

of each of said members being a straight line, all of the said first boundaries being perpendicular to the direction of polarization and lying in and defining a plane surface perpendicular to said direction of propagation, each of said members having a second smooth boundary opposite said first boundary in the said direction of propagation, the said second smooth boundaries of all said members lying in and defining a second smooth surface of said refractor, said members defining a plurality of wave-guide channels comprising the spaces between each adjacent couple of said members, all of said members being disposed in like angular relation with respect to said direction of propagation, each of said wave-guide channels having a length, measured along its longitudinal center line from said plane surface to said smooth surface greater than the straight-line distance between said surfaces measured parallel to said direction of propagation through the mid-point of the channel being measured, whereby said refractor acquires, for the said waves, the electrical properties of a dielectric material having a dielectric constant greater than unity.

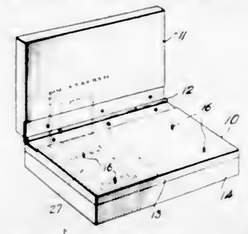
2,596,252
AMMUNITION LINK EJECTION CHUTE
Elmar Kolehmainen, Los Angeles, Calif.
Application October 24, 1949, Serial No. 123,131
5 Claims. (Cl. 193—25)



2. A chute for guiding ammunition material comprising a series of interengaging links, each link being made from identically formed upper and lower half-portions rigidly fastened together to form an outer frame and an inner frame, the inner surface of said inner frame presenting a complete smooth and unbroken guide passage for the ammunition material, the outer frame having at the top and bottom centrally positioned hook-shaped elements projecting from one end thereof and loop-shaped flanges extending from the other end thereof in continued alignment with said elements for receiving the elements of the next following link thereby to interconnect said links.

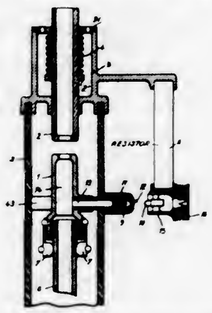
2,596,253
REGISTERING AND ASSEMBLING UNIT FOR FILMS AND MOUNTS THEREFOR
Yervant H. Kurkjian, Clifton, N. J.
Application January 27, 1950, Serial No. 140,862
2 Claims. (Cl. 154—1.6)

1. A registering and assembly unit for films and mounts therefor comprising a pair of hinged sections, one section being adapted to be closed upon the other section to seal a picture mount placed therebetween, a pair of individual spring pressed anchoring pins carried by one section for extending through perforations of one leaf of a mount and for extending through the sprocket apertures of a film picture section mounted thereon, and said spring pressed anchoring pins being adapted to yield inwardly independently of each other as a companion leaf of a mount is placed



over the first mentioned leaf for sealing to prevent perforation of the companion leaf.

2,596,254
COMPRESSED AIR SWITCH WITH DELAYED BREAK CONNECTOR
André Latour, Grenoble, France
Application January 23, 1947, Serial No. 723,728
In France March 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1965
6 Claims. (Cl. 200—148)

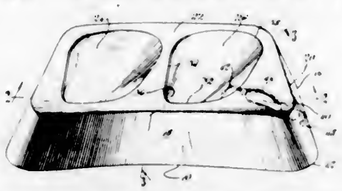


1. A circuit breaker of the gas blast type, comprising in combination, a first contact; a second contact arranged movably with respect to said first contact and being adapted to make contact with the same in one end position thereof; means for directing a gas blast through the arc formed between said contacts upon separation thereof; an electric circuit connected in parallel to said contacts and including in series connection a resistance and two electrodes separated by an arc gap located outside the path of the gas blast acting on the arc between said contacts; and means for directing a part of the gas blast to the arc gap separating said electrodes, said means including a conduit and an exit orifice of said conduit having a cross-sectional area appreciably smaller than the cross-sectional area of said conduit, whereby an arc is started between said electrodes with a time delay being independent of the main flow of the gas blast.

2,596,255
INFANT'S FEEDING SET
Clifford S. La Tour, Chicago, Ill., assignor to Lyn-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application December 23, 1948, Serial No. 66,906
2 Claims. (Cl. 35—29)

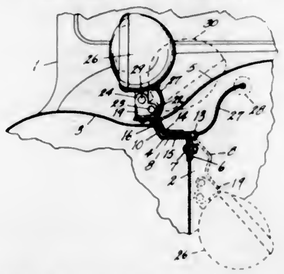
1. A training device for infants to encourage the use of the right hand, comprising in combina-

tion a dish having a food-containing depression formed therein, the deepest part of said depression lying adjacent the front left-hand portion thereof as the dish confronts the infant, the surface of said depression sloping abruptly upward in the frontal left-hand direction from the deepest part and gradually upward in the rearward right-hand direction therefrom, and a spoon



having a handle, a shank and a bowl characterized in that the shank is offset downward and turned to the left so that the longitudinal axis of the bowl is at a substantial angle to the vertical plane through the longitudinal axis of the handle whereby the spoon may be operated against the abruptly sloping portion of the depression surface by normal spoon manipulation.

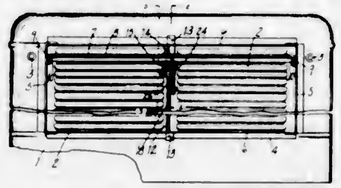
2,596,256
SIGNAL LAMP FOR USE ON MOTOR VEHICLES
Elmer C. Laubaugh, Baldwin, Mich.
Application February 20, 1950, Serial No. 145,233
7 Claims. (Cl. 177—329)



5. A signal lamp and support adapted to be mounted on a motor vehicle having a hood and a fender, said lamp and support comprising a bracket adapted to be pivotally mounted adjacent the inner side edge of the fender to be swung inwardly below the hood or to be swung outwardly to erected position with the hood closable over the inner portion of the bracket, said lamp being mounted on the swinging end of said bracket to be swung to a concealed position beneath the hood or to an erected position at the side of the hood.

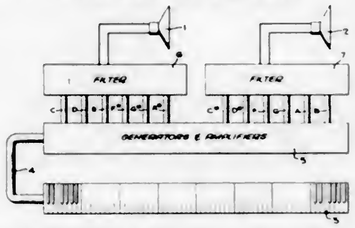
2,596,257
VALVE OPERATING MECHANISM FOR HOT-AIR REGISTERS
Robert L. Leigh, Coopersville, Mich., assignor to Air Control Products, Inc., Coopersville, Mich.
Application April 12, 1948, Serial No. 20,546
9 Claims. (Cl. 268—96)

7. In a structure of the class described the combination with a supporting frame of a valve member pivotally mounted thereon, an actuating member pivotally mounted on said frame and operatively connected to said valve member, said frame and actuating member having coacting friction elements, a tension spring connected at one end to said actuating member in substantially spaced relation to its pivot and its other end to said frame substantially closer to said pivot so that the biasing stress of the spring tending to



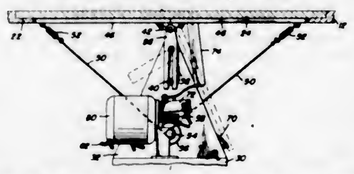
swing the actuating member on its pivot is substantially uniform and insufficient to overcome the function of the said frictional elements, said spring urging said frictional elements into frictional contact with such force as to frictionally retain said actuating member against movement in all positions of adjustment thereof.

2,596,258
ELECTRIC ORGAN SPEAKER SYSTEM
Donald J. Leslie, Wilmar, Calif.
Application September 24, 1948, Serial No. 50,919
4 Claims. (Cl. 84—1.01)



1. In a system for producing musical tones: a pair of spaced loud speakers; a plurality of electrical circuits for creating impulses corresponding to the notes of a musical scale, the notes corresponding to the respective circuits being arranged to be half-tones apart; and means for connecting the circuits to the loud speakers in such manner that any circuit is connected to only one loud speaker, and circuits corresponding to adjacent half-tones of the scale being connected respectively to the two speakers.

2,596,259
COIN-OPERATED GAME BOARD AND TABLE
John P. Lewis, Sr., Lumberton, N. C.
Application February 17, 1949, Serial No. 76,868
4 Claims. (Cl. 273—136)



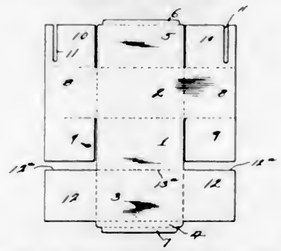
3. In a play table having a top surface and means for supporting said surface at a convenient height, game apparatus comprising a transparent panel over which game pieces can be moved set into said top surface, a chamber beneath said top surface, a shaft mounted in said chamber, a game board including complemental parts, each of said parts being independently pivotally mounted on said shaft in said chamber, means for moving said parts into contact and registry with said transparent surface to present a game playing field, means for retracting said parts out of contact with said panel.

2,596,260
WOODWIND MUSICAL INSTRUMENT
Roy Jackson Linton, Elkhart, Ind.
Application November 22, 1948, Serial No. 61,351
8 Claims. (Cl. 84—380)



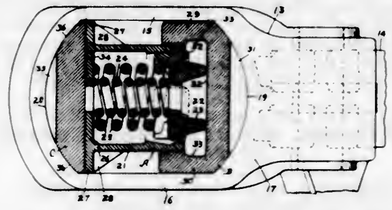
1. In a musical instrument having an upper joint of wood with a tapered tone column extending therethrough, a liner of hard rubber extending over half the length of said column from the upper end thereof, said liner having a cylindrical outer surface closely fitting the inside of said joint and forming a tapered passage formed as a continuation of the tone column in the lower end of said joint, and a socket element in the upper end of said joint adapted to receive a reed and communicating with said passage, the inner end of said socket tightly abutting against the end of said liner.

2,596,261
CARTON
Louis D. Liskin, Ridgefield, N. J., assignor to Standard Corrugated Case Corp.
Application April 4, 1950, Serial No. 153,947
1 Claim. (Cl. 229—16)



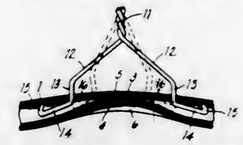
A fibrous carton rectangularly shaped, said carton comprising a bottom member, opposite sides of said bottom member having integral front and rear wall members, the upper edges of said rear and front wall members having cover section extensions forming the outer layer of a double wall closure, the ends of the rear wall section having flaps forming the outer layer of double end walls of the receptacle, said flaps having inwardly extending flaps forming the inner layer of the bottom of the receptacle, the ends of the front wall section having integral flaps registering with the inner sides of the end wall flaps and secured thereto and extending across the flaps forming the inner layer of the bottom thereby locking said flaps in position, the upper edges of said end wall flaps terminating in inwardly extending flaps extending towards each other and forming the inner layer of the double layer closure and slots in said last named flaps, positioned to receive extensions carried by the cover sections for locking the cover sections in closed position, said slots being positioned off-center and adjacent the front wall, the cover section extending from the front wall being smaller than the other and of a length equal to the spacing of the slots from the front wall.

2,596,262
DRAFT RIGGING
Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 1, 1945, Serial No. 626,086
3 Claims. (Cl. 213—49)



1. In a railway draft rigging, the combination with a yoke having a pocket defined by top and bottom arms and spaced front and rear walls; of front and rear followers within said pocket; and a group of friction shock absorbing units arranged side by side and extending lengthwise between said followers, the units at opposite sides of said group being laterally overlapped by the arms of said yoke, each unit including a friction casing having a rectangular base portion and a spring resisted friction clutch slidingly telescoped within the casing, said arms embracing the base portions of said units therebetween to hold the same against vertical displacement, said front follower having rearwardly projecting, horizontally disposed, top and bottom flanges overhanging the front ends of all of the casings of said units in embracing slidable relation to hold said front ends of said units against vertical displacement.

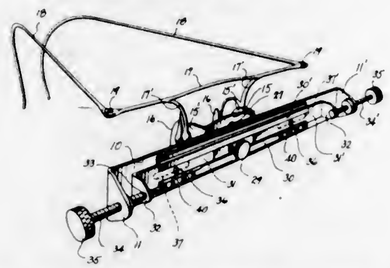
2,596,263
GARMENT HANGER
Walter Ludwig, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan
Original application August 24, 1946, Serial No. 692,765. Divided and this application July 11, 1947, Serial No. 760,382
1 Claim. (Cl. 223—92)



In a garment hanger, the combination of a supporting yoke and a suspending hook, said yoke being of tubular cross section and of fibrous material and having downwardly diverging garment supporting arms, the upper wall of the yoke at the apex thereof having therethrough a pair of slots elongated in the direction of the length of

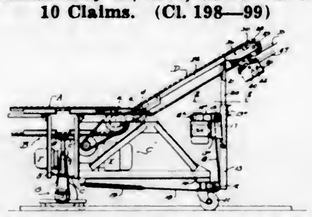
the yoke and spaced longitudinally thereof, said suspending hook provided with a shank having laterally offset and downwardly extending springable arms, said arms at their lower ends having outwardly bent longitudinally extending portions disposed substantially in the plane of the arms and terminating at their outer ends in upwardly projecting prongs, said arms extending through said spaced slots, said outwardly bent portions being disposed within the tubular yoke and extending generally longitudinally of the yoke and being of a length relative to said slots to permit bodily movement therethrough in a direction substantially at right angles to the yoke, said prongs supportingly engaging the upper wall of the yoke, and said downwardly extending arms being of substantial length and substantially spaced to permit their lower ends to be springably forced towards each other to facilitate assembly of the suspending hook to the yoke, said downwardly extending arms in assembled position springably engaging the yoke at the outer ends of said slots.

2,596,264
INSTRUMENT FOR MEASURING PUPILLARY DISTANCES
Albert C. Macbeth, Seattle, Wash.
Application June 4, 1946, Serial No. 674,291
1 Claim. (Cl. 33—200)



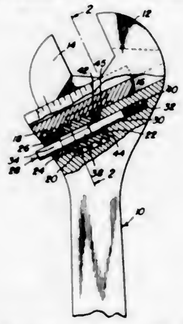
An instrument for measuring pupillary distances comprising a frame equipped with temples for the functional mounting of the instrument at spectacle distance before the eyes of the person to be measured, and with a nose piece for anatomically centering it relative to the nose; said frame including a rigid, continuous cross-plate with elongated, horizontally directed sight openings therein directly before the eyes and out-turned ears at its ends, flanged guide bars fixed longitudinally to the cross-plate above and below the sight openings, aperture plates slidably fitted between the guide bars on the cross-plate and overlying said sight openings, each aperture plate being independently adjustable relative to the other from and toward the anatomical center of the frame and each having a sight aperture therein that is maintained within the limits of its corresponding cross-plate opening, and through which apertures the vision of the two eyes may be focused on an object at any focal distance, each aperture plate having an out-turned ear at its outer end, adjusting screws threaded through the ears of the cross-plate and rotatably fixed at their inner ends to the ears of the corresponding aperture plates for their adjustment, graduated scales on the frame and reference marks on the aperture plates for indicating on the corresponding scales the distance of each aperture from the anatomical center of the frame for any focal adjustment.

2,596,265
PORTABLE LOADING AND UNLOADING CONVEYER
George Manierre, Milwaukee, Wis.
Application May 21, 1947, Serial No. 749,456
10 Claims. (Cl. 198—99)



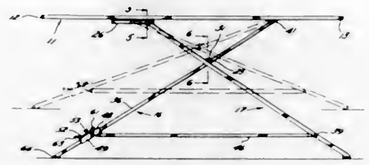
1. The combination with a portable loading and unloading conveyor, of a motor for advancing and retracting the conveyor, a separate motor provided with hoisting mechanism for raising and lowering the delivery end of the conveyor, and manually operable motor controlling mechanism at the delivery end of the conveyor and including a member movable in two directions for controlling one of the motors and in two other directions for controlling the other motor.

2,596,266
SLIDABLE SIDE JAW WRENCH
William J. McEnroe, Jr., Albany, N. Y., assignor of fifty per cent to Alfred Jarmann, Jr., Schodack Landing, and ten per cent to Theresa Fogerite, Schuylerville, N. Y.
Application December 8, 1949, Serial No. 131,784
1 Claim. (Cl. 81—165)



A wrench comprising a handle, a fixed jaw on said handle, a movable jaw slidably mounted on said fixed jaw and having rack teeth thereon, said fixed jaw having a recess therein and first and second spaced longitudinally aligned bores communicating with said recess, a sleeve mounted in said first bore and having an internally splined inner end portion communicating with said recess, a worm shaft reciprocably and rotatably disposed in said sleeve and second bore, an externally splined portion on said shaft intermediate its ends, a worm disposed in said recess in engagement with the rack teeth on the movable jaw and having an internally keyed bore therein slidably disposed on the splined portion of said shaft, said shaft having an end thereof projecting outwardly of said sleeve to permit selective reciprocation of said shaft axially of said sleeve and thereby moving the adjacent end of said splined portion of said shaft out of locking engagement with the splined portion of said sleeve, means disposed in said second bore yieldingly urging said shaft into locking engagement with said sleeve.

2,596,267
ADJUSTABLE WORKTABLE
Roxton C. McKinnie, Santa Monica, Calif.
Application August 11, 1947, Serial No. 767,976
4 Claims. (Cl. 38—121)



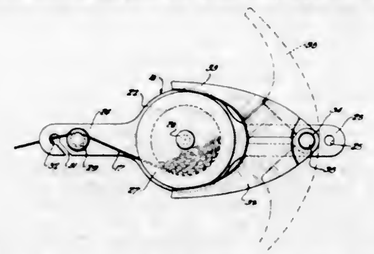
1. As a new article of manufacture, a folding and vertically adjustable table comprising a board, a leg member supporting each end of said board and extending obliquely downward therefrom in a plane intersecting that of the other of said leg members below said board, means pivotally interconnecting said leg members, means connecting the upper end of one of said leg members to said board for pivotal movement with respect thereto, and means connecting the upper end of the other of said leg members to said board for pivotal and sliding movement with respect thereto, a stop slidably mounted upon one of said leg members, releasable means for securing said stop in selected position thereon, a brace connected to the other of said leg members, and means for releasably securing said brace to said stop means and thereby releasably retaining said leg members at selected angularity with respect to each other and said board at selected elevation.

2,596,268
CREASEPROOFING CELLULOSE TEXTILES WITH GLUCOSE-UREIDE FORMALDEHYDE CONDENSATION PRODUCT
Hendrik W. Meijer, Veendam, Netherlands
No Drawing. Application January 12, 1949, Serial No. 70,585. In the Netherlands February 6, 1948
3 Claims. (Cl. 8—116.3)

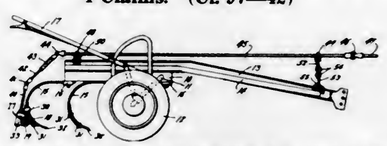
1. A process for chemically fixing onto cellulose fibers a ureide selected from the group consisting of the ureides of the methylol-ketoses and methylol-aldoses, which comprises treating the cellulose fibers at a pH between 1 and 2 with the said ureide in the presence of a member selected from the group consisting of formaldehyde and formaldehyde-yielding compounds, at a temperature of about 90° C. whereby the resultant chemical linkage with the cellulose is permanent and fast to washing.

2,596,269
TROLLING DEVICE
Paul Metzger, Chicago, Ill.
Application August 14, 1946, Serial No. 690,424
4 Claims. (Cl. 43—43.11)

1. A trolling device, comprising a base member attachable to a fishing line, an auxiliary line having a weight attached to one end thereof, means for mounting said auxiliary line on said base member and for adjustably securing the same thereto at a point spaced any desired distance from said weight, and means mounted on said base member and substantially embracing said mounting means for guarding against snagging of said mounting means by any weeds through which said device is drawn.



2,596,270
ROD WEEDER ATTACHMENT FOR CULTIVATORS
Boyd R. Miller and John Gobatti, Pueblo, Colo.
Application March 21, 1951, Serial No. 216,758
4 Claims. (Cl. 97—42)

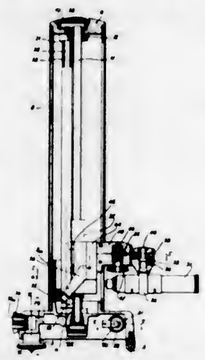


3. A rod weeder attachment for spring tine-toothed cultivators having a plurality of transversally aligned, flexible, arcuate tines, comprising: a plurality of bearing members having curvated surfaces corresponding to the curvature of said tines; means attaching said bearing members to said tines in horizontally aligned relation; a rotatable spool mounted in each bearing member and having a rectangular axial opening; a rectangular weeder rod extending through the openings of the spools of all of the bearing members; a gear box containing a pair of power transmission gears, said gear box being fitted over said weeder rod at the middle thereof; a hub on one of said transmission gears and having a rectangular opening receiving said weeder rod; means clamping said gear box to one of said tines; a drive shaft extending upwardly from the gear box and carrying the other transmission gear; a power shaft extending longitudinally and horizontally of said cultivator; a telescoping shaft extending between said drive shaft and said power shaft; universal joints connecting said shafts; and means for rotating said power shaft.

2,596,271
PRESSURE GAUGE
Paul Mondet, Lyon, France, assignor to Ateliers Ventil, Lyon, France, a French joint-stock company
Application April 21, 1950, Serial No. 157,270
In France February 14, 1950
3 Claims. (Cl. 73—392)

1. A pressure gauge comprising a base; a reservoir carried by said base and containing a transparent liquid; a vertical tubular column carried by said base, said column being formed with a vertical slit; a cover at the upper end of said column, said cover being formed with an inner chamber; a vertical transparent tube extending within said column from said base to said cover, the lower end of said tube being in communica-

tion with said reservoir and the upper end of said tube opening into said chamber; a second tube extending vertically within said column from said chamber to said base, the lower end of said tube being in communication with a nozzle carried by said base and adapted for connection with a space wherein a negative pressure is to be measured; a second nozzle carried by said base and communicating with the upper part of said reservoir, said second nozzle being adapted for connection with a space wherein a positive pressure is to be measured; a vertical rotatable screw extending within said column; means on said base to manually rotate said screw; a carriage carried by said screw and having screw-threaded portions engaging the screw threads



thereof, said carriage being formed with an outwardly extending arm passing through said slit to be guided thereby; an electric bulb supported by said carriage in close proximity of said transparent tube and adapted to illuminate the lower face of the meniscus formed by said liquid in said transparent tube for a proper position of said carriage; a horizontal sighting telescope supported by the outer end of said arm above said bulb and adapted for observation through said slit of the image of said bulb formed by the lower face of said meniscus; a vertical metallic tube disposed on said second-named tube but electrically insulated therefrom; brush means carried by said carriage in insulated relation thereto, said brush means being electrically connected with said bulb; and means to supply electric current to said last-named insulated tube.

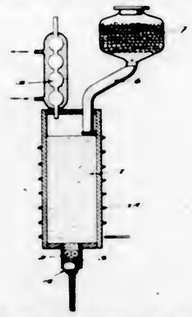
2,596,272

METHOD AND DEVICE FOR AN AUTOMATIC SUPPLY OF LOW MOLECULAR RAW MATERIAL FOR CONTINUOUS PRODUCTION AND SPINNING OF POLYAMIDES

Jan Moravec, Zlin, Czechoslovakia, assignor to Bata, narodni podnik, Zlin, Czechoslovakia

Application March 19, 1948, Serial No. 15,754
In Czechoslovakia March 27, 1947
7 Claims. (Cl. 18—8)

6. In combination with a closed polymerisation vessel which is adapted to contain as a molten mass a mixture of a polyamide forming monomeric raw material and a volatile solvent thereof and which has a spinning assembly for continuously withdrawing from said vessel the molten polyamide and spinning it into fiber filaments, an additional comparatively cool closed container adapted to contain a supply of the raw material in solid form, a conduit between said container and vessel for automatically regulating the supply of said material to said vessel, said conduit having a mouth substantially below the upper limit of said vessel and at a level in said vessel near the surface level predetermined for the molten mass to be contained therein, and means for heating said vessel to maintain polymerisation of the raw material therein and also to



vaporise the solvent therein so that the solvent vapor will rise through said conduit to dissolve the solid material in said container and the solution thus formed will flow through said conduit to replenish the molten mass, the surface of which serves to close and open said mouth to the admission of the solvent vapor.

2,596,273

METHOD OF INHIBITING HYDROGEN SULFIDE CORROSION OF METALS

Melvin I. Moyer, Lawrence, Kans., and Joseph M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application September 11, 1947, Serial No. 773,506. Divided and this application May 10, 1949, Serial No. 92,502
2 Claims. (Cl. 252—8.55)

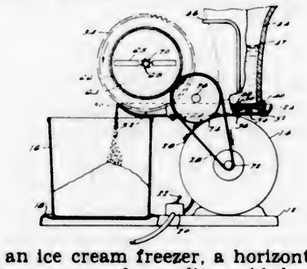
1. The process of inhibiting corrosion of metal oil well equipment which comprises introducing into an oil well brine containing dissolved hydrogen sulfide, at a point near a producing horizon of the well, a small proportion of the reaction product of one mol of ethylene diamine and two mols of formaldehyde, the quantity of the reaction product being sufficient to substantially inhibit corrosion of the metal equipment and thereafter causing the brine to flow in contact with the metal surfaces to be protected.

2,596,274

ICE-CREAM FREEZER

Glenn Muffly, Springfield, Ohio

Application April 19, 1946, Serial No. 663,477
5 Claims. (Cl. 62—114)



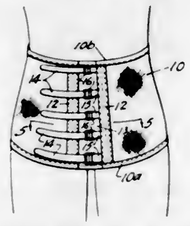
1. In an ice cream freezer, a horizontally disposed drum, means for cooling said drum internally, a scraper blade arranged to contact said drum externally, means for rotating said drum, and roller means arranged to support a portion of the weight of said drum and its contents, substantially all of the remainder of said weight being supported by said scraper blade.

2,596,275

POST-OPERATION BELT

Caroline A. Muller, Minneapolis, Minn.

Application May 24, 1948, Serial No. 28,890
2 Claims. (Cl. 128—171)



1. An abdominal belt for holding a wound covering in place after an abdominal operation comprising an elongated continuous strip made of a single thickness of strong white flexible non-elastic canvas fabric, said strip having a width to extend over the abdomen of the wearer and substantially to the crotch, said strip having curved substantially parallel sides, a narrow strip of foldable fabric extending across one end of said strip and stitched thereto, spaced loops stitched to said end extending longitudinally of said first mentioned strip, removable buckles having a portion received in said loops and readily removable therefrom, a second narrow strip extending across said first mentioned strip spaced from the other end thereof and stitched thereto, spaced straps extending longitudinally of said first mentioned strip stitched to said second strip and adapted to cooperate with said buckles respectively and a plurality of spaced strips of foldable fabric at the rear and central portion of said first mentioned strip extending transversely thereof, said narrow strips and plurality of strips being disposed at the outer side of said first mentioned strip so that the inner side of said first mentioned strip is smooth whereby said belt can conform to the wearer's body and bind it tightly against excessive movement so that said wound covering will be held securely in place and said buckles may readily be removed so that said belt can be laundered.

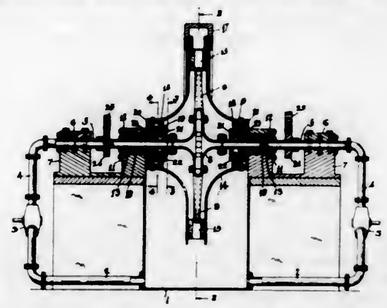
2,596,276

POWER DRIVE MECHANISM FOR APPARATUS FOR GENERATING ELECTRICAL ENERGY

John Napoli, Monterey, Calif.

Application January 3, 1949, Serial No. 68,990
5 Claims. (Cl. 74—720)

1. Apparatus of the class described comprising a hollow rotatable water distributing member mounted for rotation about a horizontal axis and carrying a plurality of nozzles arranged in circularly spaced relation, the said water distributing member having axial water inlet openings in its opposite sides, horizontally disposed axial conduits secured to the opposite sides of the water distributing member and having communication with the inlet openings of the said member, a rotatable hollow rotor surrounding the water distributing member and carrying peripheral blades arranged in circularly spaced relation, the said blades being positioned to intercept water discharged from the nozzles, mechanical means operatively connecting the conduits and the rotor, and means for supplying water under pressure to the conduits.

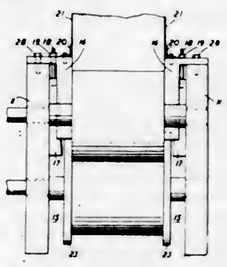


2,596,277

DOUGH MOLDING AND THE LIKE MACHINE

Joseph Francis Naylor, Newton-le-Willows, England, assignor to T. & T. Vicars Limited, Newton-le-Willows, England, a British company

Application August 8, 1949, Serial No. 109,170
In Great Britain August 31, 1948
4 Claims. (Cl. 107—12)



1. A dough moulding machine comprising in combination, side walls, rollers journalled in said side walls and having their ends spaced from said side walls, slip plates presenting on one side plane surfaces to said roller ends and wedge surfaces on their opposite sides, wedge members between said slip plates and said side walls having wedge surfaces cooperating with the wedge surfaces on said slip plates, and means to adjust said slip plates radially relatively to the axis of said rollers.

2,596,278

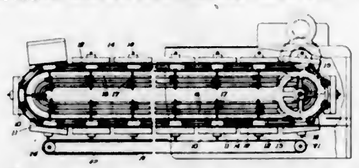
WAFER OVEN

Joseph Francis Naylor and Derrick Greener, Newton-le-Willows, England, assignors to T. & T. Vicars Limited, Newton-le-Willows, England, a British company

Application May 15, 1951, Serial No. 226,402
In Great Britain May 31, 1950
3 Claims. (Cl. 219—35)

1. An oven including in combination a pair of co-operating electric heating plates, an endless track, means to displace the plates along said endless track, an electrical supply circuit to said plates, a switch in the supply circuit to one of said plates and mounted on said one plate and having

a resiliently loaded member, a strip member disposed adjacent and parallel to part of the track, and means to adjust the operative length of said strip member, said strip member to intermittently contact and depress the resiliently loaded member to actuate the switch during that part of the



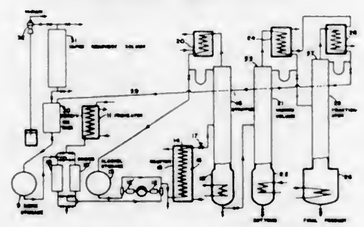
cycle of displacement of the plates in which the plates pass adjacent the strip member, to intermittently cut off power to said one plate during said part of the cycle of displacement of the plates, whereby the temperature differential of the plates is varied.

2,596,279

PROCESS FOR THE CONDENSATION OF AN ALLYLIC ALCOHOL AND A CONJUGATED DIENE

Joseph Nichols, Bronx, and Vincent S. De Marchi, Jamaica, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application December 30, 1950, Serial No. 203,632
4 Claims. (Cl. 260—617)



1. A process for preparing a condensation product of an allylic alcohol and a conjugated diene, comprising commingling two to three mol equivalents of the allylic alcohol with one mol equivalent of the conjugated diene, continuously introducing the commingled reactants into a confined system, subjecting them to the action of heat from 250° to 300° C. and a pressure within the range of 600 to 1500 lbs. per square inch which exceeds the pressure equivalent created in the said system by heat alone, continuing said action of heat and pressure for a period of time sufficient to react substantially all of the conjugated diene with the said alcohol, continuously withdrawing reacted material from said system, separating the unreacted portion of the alcohol, removing high polymers of the diene which may have been formed during the reaction, and freeing the condensation product from any unreacted diene.

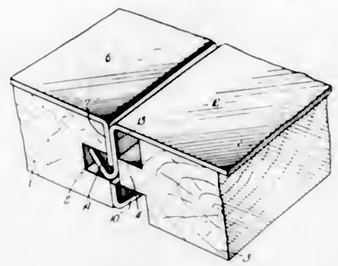
2,596,280

METAL COVERED WALLS

Karl T. Nystrom, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application March 21, 1947, Serial No. 736,301
5 Claims. (Cl. 20—15)

1. In a wall comprising boards having substantially abutting edges, the edge of one of said boards being rabbeted providing a surface extending substantially normal to the edge thereof; a cover therefor comprising a metallic sheet overlying one of said boards; said sheet having a flange extending substantially normal thereto and overlapping the edge of said one board and having spaced apertures therein below said surface, and another metallic sheet overlying an adjacent



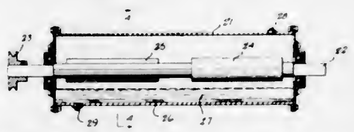
board and having a flange extending substantially normal thereto and overlapping the edge of said adjacent board, said latter flange having spaced outwardly projecting parts passing through said apertures and extending under and engaging the said surface of said first mentioned board.

2,596,281

OSCILLATOR HYDRAULIC HEAD

Logan M. O'Brien, Los Angeles, Calif.

Application June 3, 1949, Serial No. 97,017
3 Claims. (Cl. 74—87)



1. A vibrating mechanism for separators of the screen type including a cylinder; a shaft of integral formation arranged coaxially of and within the cylinder and journaled at opposite ends in the opposite ends of the cylinder; a quantity of liquid within the cylinder; and a pair of elongated bar elements spaced longitudinally of the shaft in longitudinally contacting, parallel relation therewith, said elements being disposed diametrically opposite one another upon the shaft and being secured to the shaft rigidly throughout their lengths, said elements alternately passing through said liquid in a common direction to produce pressures exerted transversely of the cylinder tending to shift the cylinder transversely of its longitudinal axis.

2,596,282

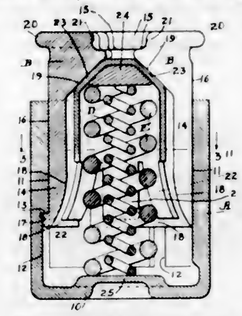
SHOCK ABSORBER FOR RAILWAY CAR TRUCKS

Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application April 18, 1950, Serial No. 156,633
3 Claims. (Cl. 267—9)

1. In a friction shock absorber, the combination with a casing having interior friction surfaces; of a plurality of friction shoes having sliding engagement with the friction surfaces of the casing, said shoes having inwardly facing wedge faces at their outer ends; a combined wedge and

spring follower member in wedging engagement with said faces; springs within the casing yieldingly opposing inward movement of said member;



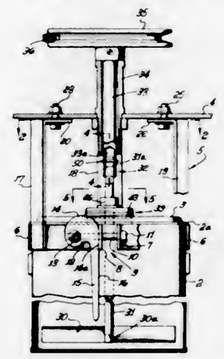
and spring arms on said member bearing on the inner sides of said shoes at the inner end portions thereof.

2,596,283

MOUNTING FOR LIQUID CONTAINERS

Edward M. O'Neill, San Francisco, Calif., assignor to Union Machine Company, San Francisco, Calif., a corporation of California

Application May 20, 1946, Serial No. 670,910
9 Claims. (Cl. 248—315)



1. In a supporting frame, a resilient band adapted to embrace a container but normally free thereof to permit ready removal or replacement of the container within the band, means to clamp the band about the container, arms for supporting the band and secured thereto at spaced points around the perimeter of the band, said arms extending lengthwise of the axis of the band, a member to which said arms are attached, means securing an arm rigidly to said member, and means securing the other arms to said member, said means providing for limited free transverse movement of the other arms.

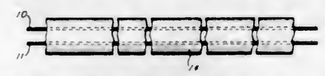
2,596,284

METHOD OF FORMING THERMISTOR BY IMPREGNATION

Melville F. Peters, East Orange, N. J., assignor to Petcar Research Corporation, Newark, N. J., a corporation of New Jersey

Application September 15, 1949, Serial No. 115,937
4 Claims. (Cl. 18—47.5)

1. The method of manufacturing a temperature-sensitive resistance device comprising a plurality of spaced electrical conductors and a plurality of beads each formed of material the electrical resistance of which changes with changes in temperature surrounding and adhered to the conductors and maintaining them in spaced relation, which comprises the steps of forming about spaced conductors a solid continuous cylinder of material containing at least one ingredient which is removed by heating and an ingredient which is made coherent by heating, heating to remove the



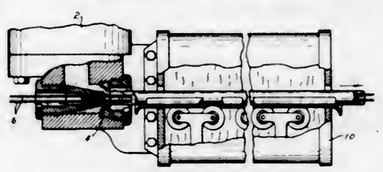
removable ingredient and make the one ingredient coherent whereby the cylinder of material covering and spacing the wires shrinks longitudinally of the conductors and separates at spaced points along the length thereof to form porous beads, impregnating said beads with a material which is changed by heat to a material the electrical resistance of which changes with change in temperature, and heating said impregnated beads to effect such change in the impregnating material.

2,596,285

METHOD OF FORMING BEADED STRUCTURE

Melville F. Peters, East Orange, N. J., assignor to Petcar Research Corporation, Newark, N. J., a corporation of New Jersey

Application September 15, 1949, Serial No. 115,938
7 Claims. (Cl. 18—47.5)



1. The method of manufacturing a device consisting of one or more wires having a discontinuous covering extending along the length thereof and attached thereto, which comprises the steps of covering the wires with a material containing an ingredient which is reduced in volume and changed to a temperature-sensitive resistance material by heating and a second ingredient which becomes coherent and attached to the wires by such heating, and heating the wires and covering material to cause the one ingredient to become coherent and attached to the wires and the other ingredient to be reduced in volume and changed to a temperature-sensitive resistance material whereby the covering shrinks longitudinally of the wires and separates at spaced points along the length thereof to provide a discontinuous covering.

2,596,286

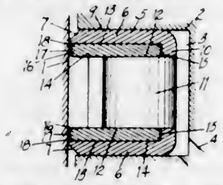
PISTON RING ASSEMBLY AND ELEMENTS THEREOF

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.

Application May 7, 1951, Serial No. 224,986
9 Claims. (Cl. 309—44)

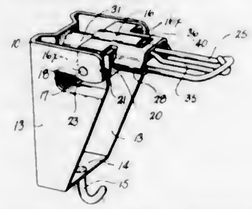
1. A piston ring assembly comprising an annular split resilient combined spacer and ring member of outwardly facing channel section formed of ribbon steel and having spaced intermediate portions of the web thereof disposed outwardly

between the flanges with their ends in spaced relation to the flanges and coacting therewith to provide axially spaced ring segment receiving grooves, the portions of the web between the ends of the spacer element and the flanges constituting the bottoms of the grooves, the flanges constituting cylinder wall engaging ring elements and being initially peripherally beveled to provide relatively sharp cylinder wall engaging edges facilitating the quick wear-in thereof, and thin annular split resilient cylinder wall engaging ring segments formed of ribbon steel coiled edgewise



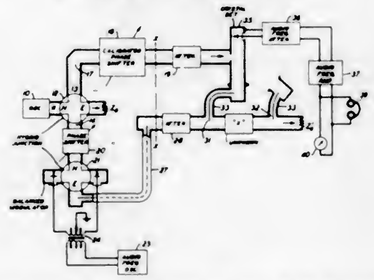
disposed in said grooves and having rounded chrome plated peripheral edges providing substantially line contact with the cylinder wall in which the assembly is installed, the radial width of the said flanges being initially greater than the radial width of the said ring segments whereby the inner peripheries of the ring segments are spaced from the bottoms of the grooves during the initial wear-in period of the assembly, the resilience of the ring segments and of the combined spacer and ring member acting to urge them against a cylinder wall in which the assembly is installed.

2,596,287
HAT HOLDER
Hubert L. Richardson, Bremerton, Wash.
Application June 23, 1947, Serial No. 756,427
5 Claims. (Cl. 211—4)



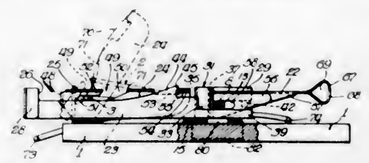
1. A hat holder comprising a supporting housing, a frame hingedly mounted at its inner end in said housing for swinging adjustment between a depending position and a horizontally extending position, a latch arm slidably supported in said frame as an outer end extension thereof, spring means in the housing acting against the inner end of the latch arm to urge it from retracted position toward its extended position, a cam follower on the inner end of the latch arm, a cam surface formed on the housing engaged by the said cam follower and along which it is adapted to move with the swinging adjustments of the frame to cause retraction of the latch arm in the frame incident to the swinging of the frame from horizontal to depending position and permitting outward adjustment of the latch arm, under pressure of said spring means, when the frame is swung from depending to horizontal position, a latch lever hingedly mounted on the latch arm and extended from its hinge point outwardly therealong and adapted to swing to and from a clamping relationship with the latch arm, and an actuating plate fixed to the said latch lever and having a connection with the said frame through which the retracting and extending movements of the latch arm will cause the clamping lever to be actuated from and to clamping relationship with the latch arm.

2,596,288
HIGH-FREQUENCY PHASE MEASURING SYSTEM
Sloan D. Robertson, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1948, Serial No. 55,580
6 Claims. (Cl. 175—183)



4. A system for measuring phase shift produced by electrical test apparatus at microwave frequencies comprising the combination of an ultra-high frequency source of sinusoidal carrier waves, a source of sinusoidal audio frequency signals, means for modulating said carrier waves with said audio frequency signals to produce a suppressed-carrier double-sideband signal, means for passing said double-sideband signal through said electrical test apparatus, means for successively combining said carrier waves with input and output samples of said double-sideband signal passing through said electrical test apparatus, phase shifting means connected to adjust the phase of said carrier waves a measurable amount relative to said double-sideband signal upon each of said successive combinations, detecting means connected to said combining means and responsive only to amplitude variations of waves applied thereto, and means for indicating a null balance condition each time said carrier waves and said double-sideband signal samples are adjusted to phase quadrature.

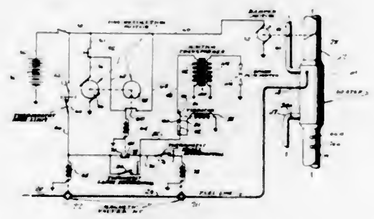
2,596,289
ANIMAL TRAP
Alfred Lee Rowell, Chicago, Ill.
Application April 13, 1949, Serial No. 87,205
10 Claims. (Cl. 43—83.5)



1. An animal trap having a base, a spring-actuated trapping bail, a support for said bail carried by said base, and trap-springing means for releasably holding said bail in operative

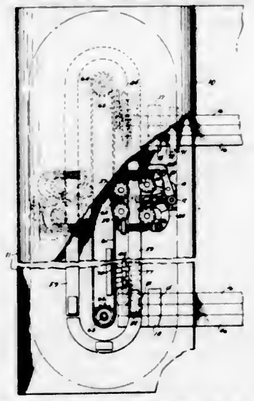
armed position comprising three cooperative elements arranged longitudinally of the trap base and in line with said bail support, one of said elements being longitudinally carried by said bail support and having a trigger, another of said elements being slidably carried by said first element and having a trigger latch, means on said base adapted to guide both of the trigger and trigger latch elements at a point remotely from said bail support, one of the aforesaid elements having hook means to retain said bail in armed position, and said third element having pivotal and slidable connection with said bail support and disposed for engagement with one of the other of said elements when the trap is armed to impart motion to said element separating the trigger and latch for releasing said hook means thereby springing the trap.

2,596,290
HEATER COMBUSTION CONTROL SYSTEM
Frank A. Ryder and Donald A. Potter, Indianapolis, Ind., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application May 19, 1949, Serial No. 94,095
3 Claims. (Cl. 236—11)



1. A heating system comprising a fuel burning air heater having ventilating air and combustion air connections, damper means for controlling the flow through said connections, electric energy responsive means to open said dampers when energized and to close said dampers when deenergized, an electric circuit including an on-off switch for energizing said electric energy responsive means, electric energy responsive means to supply fuel to the heater when energized, a second electric circuit for energizing said fuel supplying means, said second circuit being connected to receive energy through said first circuit so that said second circuit is deenergized unless said first circuit is energized, temperature sensitive switch means in said second circuit for interrupting the second circuit for an interval until the temperature of said heater has reached a predetermined level indicating proper operation of the heater and for completing said second circuit when said predetermined level is reached, other switching means connected in parallel with the last said switch means, and means for closing said other switching means for a single timed interval longer than the first said interval at the start of heater operation, and a second temperature sensitive switching means in said second circuit for completing or interrupting said second circuit as the temperature of the heated air drops below or rises above a desired level, the temperature differential of operation of said first temperature sensitive switch means being several times as large as the temperature differential of said second temperature sensitive switching means.

2,596,291
REVERSIBLE RUG DISPLAY CABINET
Oscar Thor, Nutley, N. J.
Application November 4, 1946, Serial No. 707,580
10 Claims. (Cl. 211—121)



1. In a rug display cabinet, the combination which comprises a rectangular shaped frame having four substantially hollow corner posts connected at the upper ends thereof by hollow side and end beams, a plurality of rug carrying trays positioned for vertically sliding travel within the cabinet, lugs positioned on the sides of the trays and spaced from the ends thereof, upwardly extended T-shaped latches pivotally mounted on the sides of the trays and also spaced from the ends thereof, said latches providing carrying elements of the trays, transversely disposed shafts journaled in the end beams connecting the upper ends of the posts, upper sprockets mounted on the said shafts and positioned in the said posts, lower sprockets journaled in the lower ends of the posts and positioned below the sprockets in the upper ends of the posts, endless chains positioned in the posts and trained over said sprockets, a traveling tray actuating carriage mounted on each of said chains and extended inwardly therefrom, a transversely disposed shaft journaled in each of said carriages, a gear segment with tooth receiving notches in the ends mounted on extended ends of said shafts, an S-shaped lever mounted on each of the said shafts, gear racks in the upper and lower ends of the posts positioned to be engaged by the said gear segments, rollers carried by the carriage positioned to ride on the lugs on the sides of the trays, resilient means in the carriages for operating said S-shaped levers, means connecting the rollers to the S-shaped levers whereby the resilient means actuates the said S-shaped levers for rotating the gear segments to position the segments to engage and disengage the said gear racks, whereby the said T-shaped latches engage with the carriages for engaging the trays with the chains and also for engaging the trays with fixed retaining elements in the posts, and means rotating the shafts.

2,596,292
PAD FOR UPHOLSTERY AND THE LIKE
Wade E. Sackner, Grand Rapids, Mich., assignor to Sackner Products, Inc., a corporation of Michigan
Application August 30, 1948, Serial No. 46,798
7 Claims. (Cl. 255—184)

4. A pad for upholstery and the like comprising a foundation ply of paper and a ply of cellulose

wadding disposed on the side of the foundation ply and adhesively secured thereto, the adhesive bond being such that the resilience of the wadding ply is not substantially reduced, the wadding ply having spaced strips thereof crimped and compacted and adhesively secured to the foundation ply, each compacted and crimped strip providing a series of compacted indentations closely spaced



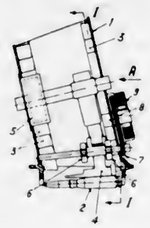
longitudinally of the strip, the compacted indentations retainingly interlocking the fibers of the wadding to each other and embedding the fibers of the wadding in the adhesive at the side of the foundation ply, the portions of the wadding ply between the such strips constituting resilient sections having their edges anchored to the foundation ply by the said crimped and compressed strips.

2,596,293

CARTRIDGE FEEDING MECHANISM FOR THE MAGAZINES OF AUTOMATIC FIREARMS

Otto Schälkli, Zurich, Switzerland, assignor to Machine Tool Works Oerlikon, Administration Company, Zurich-Oerlikon, Switzerland, a Swiss company

Application November 29, 1947, Serial No. 788,890
In Switzerland November 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires November 27, 1966
1 Claim. (Cl. 89—33)



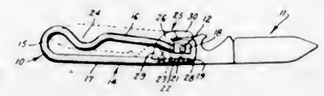
A cartridge-feeding device for automatic firearms, comprising, in combination, a magazine having a spiral passage formed therein for the cartridges, a spring-tensioned follower located within said magazine at the inner end of said passage and adapted to eject said cartridges out of the outer end of said passage, the tension of said follower feeding all of said cartridges to said outer end, a separate cartridge-shifting device located in said magazine adjacent said outer end and adapted to engage cartridges adjacent said outer end to accelerate the ejection thereof, and a separate spring connected with said cartridge-shifting device to operate said cartridge-shifting device and thereby accelerate the removal of the cartridges from said passage.

2,596,294

POCKET KNIFE

George M. Schrade, Bridgeport, Conn.

Application July 6, 1949, Serial No. 103,230
6 Claims. (Cl. 30—161)



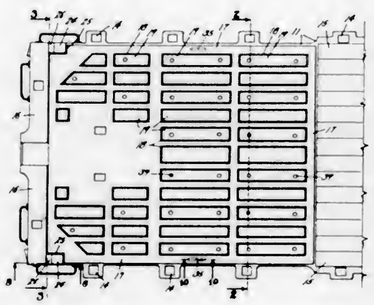
1. In a pocket knife including a handle and a blade having a tang, said handle consisting of a pair of parts each comprising a single piece of wire folded on itself substantially midway its ends to provide upper and lower longitudinally extending substantially parallel arms, said parts arranged with said lower arms in substantially parallel side-by-side relation, said lower arms adjacent their free ends permanently rigidly secured together to form a spring back for engagement by the edge portions of the tang of the blade, said upper arms comprising side members of the knife handle having free end portions adjacently positioned in substantially parallel relation, and a separate pivot stud mounted by and connecting said ends and passing through the tang of the blade and hingedly connecting the blade to the handle.

2,596,295

FLATCAR ENDGATES

John A. Schroeder and Andrew W. Bower, Denver, Colo.

Application May 10, 1951, Serial No. 225,586
8 Claims. (Cl. 105—380)



1. The combination with a railway flatcar having indentations in its bed adjacent its extremities, comprising: end gates; and means hinging said end gates at the extremities of said car so that they may swing from a horizontal to a vertical position, said end gates having openings corresponding to the indentations in the bed so that when folded the upper surface of the gates will align with the upper surface of said bed.

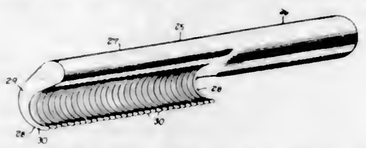
2,596,296

COMB

Lavelle W. Shields, Waterbury, Conn.

Application December 16, 1948, Serial No. 65,632
1 Claim. (Cl. 132—18)

A comb for treating the hair and scalp, said comb comprising a back-portion; and teeth on said back-portion, each tooth comprising a substantially-straight root-portion and a curved apex-portion which projects laterally therefrom at substantially right angles thereto for lifting the hair from the scalp, the root-portion of each tooth being formed integrally with the back-portion of said comb and arranged in spaced substantially-parallel relationship to the root-portion of an adjacent tooth to provide a slot therebetween for accommodating strands



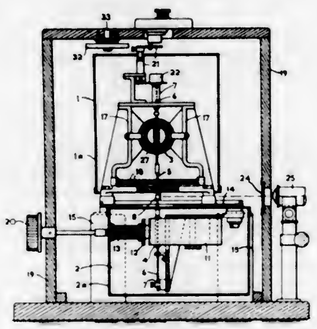
of hair segregated by the root-portions of the teeth in a combing action, the inner edge of the curved apex-portion of each tooth being the arc of a circle and the outer edge of each curved apex-portion being the arc of a circle eccentric to the circle defining the arcuate inner edge of the curved apex-portion of the corresponding tooth.

2,596,297

METHOD OF AND APPARATUS FOR MEASURING ELECTRICAL QUANTITIES

George Frederick Shotter, Great Mongeham, near Deal, and Harry Donald Hawkes, New Eltham, England

Application February 24, 1948, Serial No. 10,218
In Great Britain May 13, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 13, 1959
3 Claims. (Cl. 171—95)



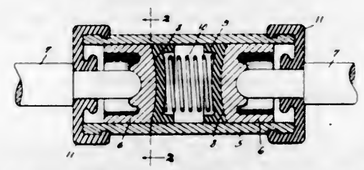
1. An electrical measuring instrument comprising a measuring part constituted by an ironless moving coil, dynamometer-type instrument assembly, a control part constituted by a direct current type instrument assembly, means for adjusting the torque of the control part independently of adjustment of the current therethrough, a mechanical connection between the moving elements of the two assemblies for combining the torques thereof, means for connecting at will all the coils of the two parts in series and to a source of direct current or the coils of the dynamometer assembly to the circuit of which an electrical quantity is to be measured, and the control part to a source of current and means to measure or indicate the current flowing in the control part comprising a resistance connected in series with the moving coil of the direct current type instrument assembly, and potentiometer and standard cell apparatus connected across said resistance.

2,596,298

PISTON HEAD CONSTRUCTION FOR HYDRAULIC BRAKE CYLINDERS

Vivian A. Dake Shreffler, Barnsdall, Okla., assignor of one-half to Killis W. Jeter, Sr.

Application June 12, 1950, Serial No. 167,548
1 Claim. (Cl. 60—54.6)



In a fluid brake cylinder, a body, opposed pistons operating within the body, the inner ends of the pistons being convex, flexible cup washers having permanently concaved surfaces fitted over the convex ends of the pistons, said convex surfaces of said pistons directing a lateral pressure on the washers forcing the washers into contact with the wall of the body.

2,596,299

APPARATUS FOR CONDUCTING THERMO-CHEMICAL CONVERSIONS

Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

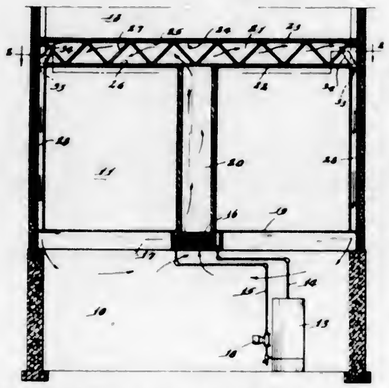
Original application November 30, 1943, Serial No. 512,324. Divided and this application June 23, 1945, Serial No. 601,103
1 Claim. (Cl. 23—288)



In a system for conducting thermo-chemical conversions in the presence of a substantially compact column of downwardly moving particle form solid material the apparatus combination which comprises: means defining an elongated vessel, means to admit solid material to one end thereof, means to withdraw solid material from the opposite end thereof, a plurality of partitions across said vessel at a plurality of spaced vertical intervals dividing said vessel into a vertical series of chambers, conduit means depending from each of said partitions and terminating within the upper section of the chamber next below for flow of solid between chambers, at least one gas inlet to each chamber near one end and at least one gas outlet near the opposite end of each chamber, within at least each chamber intermediate the uppermost and lowermost chambers a plurality of stationary heat transfer tubes spaced uniformly apart throughout substantially

the entire length of each chamber between its gas inlet and gas outlet, a separate external heat exchange fluid inlet manifolding communicating the tubes in each of said chambers, a separate external heat exchange fluid outlet manifolding communicating the tubes in each of said chambers, external manifolding closing the circuit between said inlet and outlet manifolding for each chamber and a heat exchanger and heat exchange fluid pump connected in series in said last named manifolding.

2,596,300
HEATING SYSTEM
Lawrence J. Smith, Oak Park, Ill., assignor to Bell & Gossett Company, Morton Grove, Ill., a corporation of Illinois
Application October 16, 1948, Serial No. 54,889
10 Claims. (Cl. 237—69)



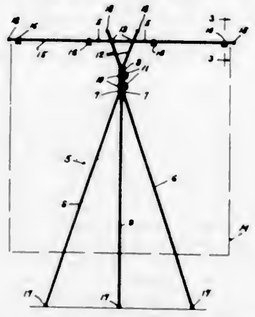
2. In a heating system for a multistory building, an open joist space included between the floor structure of an upper story and the ceiling of the adjacent lower story, an interior stack extending through the lower story, ducts in the outer side walls of the lower story, the stack and ducts communicating at their respective upper ends with the joist space, a plenum chamber beneath the lower story common to the lower ends of the stack and ducts, heating means in the lower end of the stack, the stack, joist space, ducts and chamber constituting conduit means through which warm air flows thermogravitationally upwardly through the stack into the joist space and downwardly through the ducts to the chamber, and funnel-like baffle means at the junction of the joist space and ducts arranged to direct the warmer portion of the air to flow along the under side of the structure and thereby determine the ratio of heat transfer from the air to the floor structure and ceiling.

2,596,301
AUTOMATIC BRAKE SLACK ADJUSTER FOR RAILROAD CAR BRAKE RIGGINGS
William J. Sockell, Raleigh, N. C.
Application February 24, 1950, Serial No. 145,933
4 Claims. (Cl. 188—200)

1. An automatic brake slack adjustor for a railroad car comprising, in combination with an air brake rigging of a railroad car including a brake cylinder responsive to air pressure in the air line connected to an end of the brake cylinder for rocking link connected levers for applying the brakes of the four wheels of each truck of a railroad car; a rack bar pivotally connected at one of its ends to one lever of the brake rigging and forming the normal stationary pivot of said lever, a bracket reciprocally supporting said rack bar, a pawl mounted pivotally in said bracket for engaging the rack bar teeth, said rack bar teeth being inclined all in one direction for free sliding movement of the rack bar through said bracket in one direction, said pawl holding the rack bar against movement relatively to the bracket in the opposite direction, an adjustor cylinder supported by a part of the railroad car, a piston reciprocally disposed in the adjustor cylinder, a piston rod fixed to and extending from said piston reciprocally through one end of the adjustor cylinder and pivotally connected to said lever between the rack bar pivot and the link connection to said lever, and an air pipe extending from the opposite end of the adjustor cylinder to the intermediate portion of the brake cylinder, the brake piston being normally disposed in the brake cylinder between the connections of the air line and the air pipe to said brake cylinder and being movable beyond the connection of the air pipe to the brake cylinder when the brakes are applied and an excess amount of brake slack exists whereby compressed air from the train air line will pass through the brake cylinder and air pipe to the adjustor cylinder for moving the adjustor cylinder piston and piston rod to a projected position to displace the lever connected to said piston rod away from the adjustor cylinder for taking up the brake slack and for moving the rack bar through its supporting bracket in said first mentioned direction of movement.



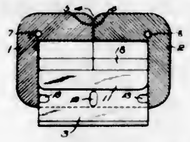
2,596,302
MAP SUPPORTING EASEL
Clarence W. Squyres, Carlsbad, N. Mex., assignor of forty-nine per cent to J. S. McCall, Carlsbad, N. Mex.
Application May 6, 1949, Serial No. 91,755
1 Claim. (Cl. 248—195)



A map supporting easel comprising, laterally extending front legs, elongated parallel body portions formed on the upper ends of said legs, a rearwardly extending rear leg, an elongated short body portion formed on the upper end of said rear leg and disposed in parallelism against the body portions of the front legs, bolts

extending through aligned and vertically spaced holes in said body portions, thumb nuts threaded on the outer ends of said bolts and securing the body portions of the legs rigidly together, laterally extending arms formed on the upper ends of the body portions of the front legs, a cross bar disposed against the front sides of the arms adjacent their upper ends, bolts extending through aligned holes in the cross bar and said arms, thumb nuts threaded on the outer ends of said bolts and securing the cross bar rigidly against the arms, spring clamps spacedly secured to the front side of the cross bar, rubber feet secured to the lower ends of the legs, and rubber head pieces secured on the outer ends of the cross bar and said arms.

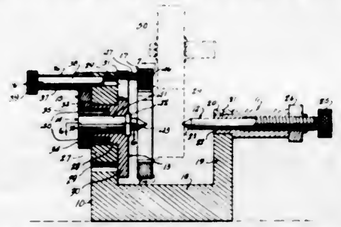
2,596,303
POCKET RAZOR BLADE KNIFE
Richard H. Stead, Revere, Mass.
Application April 23, 1949, Serial No. 89,278
4 Claims. (Cl. 30—151)



1. A pocket razor-blade knife comprising a razor blade of a type having a cutting edge and a thicker backing edge and a two member casing wholly enclosing the blade when in concealed position therein, at both ends and also at both sides and at the back edge and the cutting edge thereof, the said casing comprising two, wholly separate members, each of a length and height to receive a substantial portion of the entire length of the razor blade, each of said two members of the casing being wholly closed at its outer end and comprising two parallel walls spaced sufficiently apart to provide a recess to receive flatwise therebetween one end portion of the razor blade, the said two recesses being in longitudinal alignment when the said two casing members are brought into edge-to-edge relation with a razor blade therein, the said two recesses being of sufficient extent from top to bottom to receive the entire razor blade therein in concealed position, the said two recesses each having between the top and bottom thereof a longitudinally extending, inwardly directed ridge of sufficient size to receive between the walls of the ridges the thin body portion only of the razor blade, the thick back edge of the razor blade being receivable in said recesses either above or below the said ridges, so as when in the upper position wholly to conceal the razor blade and in the lower position to expose for use the cutting edge of the razor blade.

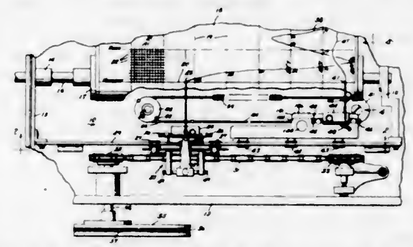
2,596,304
INDEXING GRINDING FIXTURE
Roy Stegall, Chicago, Ill.
Application September 16, 1949, Serial No. 116,154
2 Claims. (Cl. 51—216)

1. A work-holding fixture for a grinding machine comprising a base having longitudinally spaced and aligned vertical legs, a tail stock horizontally mounted through one of the legs and longitudinally adjustable relative to the opposing leg, a head plate rotatably journalled to the inner face of the opposing leg, a head stock disposed through said head plate and longitudinally aligned with the tail stock, said head plate being rotatable on the head stock, a crank fixed to the journalled portion of the head plate to rotate the plate, a pin slidably mounted transversely in the crank, said leg being formed with a plurality of



transverse apertures concentrically arranged around the head stock and selectively longitudinally alignable with the pin, and a workpiece engaging dog spaced from and engaged with the head plate to rotate therewith.

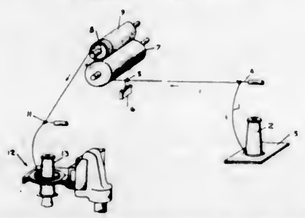
2,596,305
RECORDING INSTRUMENT
John C. Stevens, Portland, Oreg., assignor to Leupold & Stevens Instruments, Inc., Portland, Oreg., a corporation of Oregon
Application September 25, 1950, Serial No. 186,537
1 Claim. (Cl. 73—292)



In a stream recorder, a first recording pen, a first carriage supporting said first recording pen, a stream temperature sensing bulb filled with a thermosensitive fluid, a first expansible member associated with said first carriage for causing movement of said carriage in accordance with fluctuations in temperature of the stream, a first tube openly communicating with said bulb at one end and with said expansible member at its other end, said tube being of considerable length whereby the recording instrument may be placed safely above the maximum stream level and said bulb may be placed in the stream below the extreme minimum level thereof, a second tube filled with the same thermosensitive fluid, said second tube having a closed end and extending substantially from end to end of said first tube, a second expansible member adjacent said first expansible member, the open end of said second tube being in communication with said second expansible member, compensating means connecting said expansible members to said carriage including a pair of oppositely movable elements individually associated with said expansible members whereby the effect of temperature of the air traversed by said tubes is eliminated, a second recording pen, a second carriage supporting said second recording pen, means operatively associated with said second carriage for moving said second carriage in accordance with fluctuations in water level of the stream, said second recording pen being mov-

able from one side to the other of said first recording pen, means for moving a record sheet transversely with respect to the direction of movement of said carriages, said carriages being movable along parallel paths and said recording pens being operable at any instant on the same transverse element of said record sheet, and means for elevating one of said recording pens over the other whenever their paths of movement cross.

2,596,306
DEVICE FOR PRODUCING STAPILIZED YARNS
Alvin B. Storey, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application August 12, 1947, Serial No. 768,110
1 Claim. (Cl. 19—1)

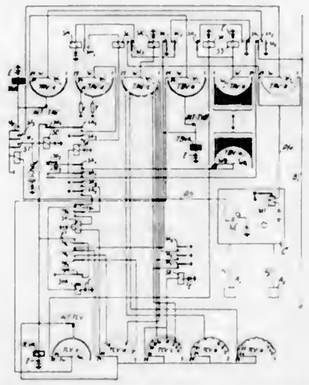


In a device for converting a yarn of continuous filaments into a stapilized yarn, the combination with a textile device for processing a running yarn of a single pair of rolls comprising a nip roll and a feed roll for advancing said yarn to the processing device, means for positively driving one of said rolls, a guide for directing the advancing yarn to the rolls and a guide for leading the yarn away from the rolls, a horizontally reciprocating support for the first mentioned guide, and a removable sleeve of an abrasive material on at least said nip roll for severing a portion of the continuous filaments in said yarn to form a stapilized yarn, the construction and arrangement of said parts being such that the advancing yarn is reciprocated laterally as it passes between the nip roll and the feed roll and in a plane which is horizontal to the axes of said rolls, said nip roll and feed roll being the sole means for moving the yarn through the device whereby the yarn moves over the rolls at the same speed as said rolls.

2,596,307
PROCESS OF ELECTROSTRIPPING ELECTRODEPOSITED METALS
Rowen S. Stuffer, East Riverton, N. J., assignor, by mesne assignments, to Charles Litzenberg, Philadelphia, Pa.
No Drawing. Application November 5, 1947, Serial No. 784,309
18 Claims. (Cl. 204—146)

1. The process for electro-stripping combinations of electrodeposited metals selected from the group consisting of the combinations of two or more of copper, nickel, chromium, gold and silver, from electroplated base metal objects selected from the group consisting of iron and steel objects, which comprises immersing the electroplated object as anode in an electrolytic cell, the electrolyte bath of which consists essentially of an aqueous solution of phosphoric acid, the concentration of said phosphoric acid in said bath being between about 25% and about 95% by volume based on the use of an 85% by weight phosphoric acid solution, and metal cations corresponding to metal sought to be removed in an amount between about 1/64 and about 15 ounces per gallon of electrolyte, and applying an electric current until the electrodeposited metal is dissolved.

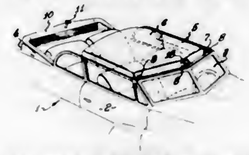
2,596,308
METERING SYSTEM FOR TELEPHONY
Ernest Ungar, Copenhagen, Denmark, assignor of one-half to Telefon Fabrik Automatic A/S, Copenhagen, Denmark, a joint-stock company of Denmark
Application April 15, 1949, Serial No. 87,751
In Denmark April 21, 1948
3 Claims. (Cl. 179—7.1)



3. In a telephone system, the provision of a circuit arrangement for controlling the charge for the duration of a calling subscriber's telephone calls, comprising in combination a source for transmitting metering pulses, a meter responsive to said pulses, a pulse responsive member receiving said pulses, a stepping switch operable one step by each of said metering pulses received by said pulse responsive member, circuit connections between said meter and said stepping switch and between said stepping switch and said pulse responsive member for transmitting some of said metering pulses at the commencement of a call directly to the said meter, means for interrupting the transmission to said meter of further metering pulses received by said pulse responsive member, a timing device for producing timing pulses to substitute said further metering pulses and means responsive to said timing pulses and controlling contacts connected in the circuit of said meter to transmit said timing pulses to said meter at time intervals between each two consecutive timing pulses which are larger than the intervals between consecutive metering pulses received by the said pulse responsive member, and means for determining the said longer interval of time automatically in dependency on the number of pulses received by the said pulse responsive member.

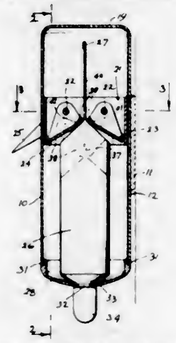
2,596,309
SUPPLEMENTAL TOP FOR AUTOMOBILES
William Urich, Whittier, Calif.
Application May 17, 1949, Serial No. 93,683
7 Claims. (Cl. 296—137)

5. In a supplemental top structure for an automobile body, including a windshield having a top rail providing a pair of rear upwardly and downwardly facing inclined surfaces, said body including a foldable top adapted to be extended over the seats; said top including mechanism with an operating elements for releasably securing the forward end of the top to the upwardly facing surface of said pair; a canopy-like member adapted to extend rearwardly from the wind-



shield over the seats and below the foldable top when extended; means detachably securing the forward end of said member to the downwardly facing surface of said pair; and means supporting the rear end of said member, there being an access opening in said member for said element.

2,596,310
DISPENSING DEVICE FOR COLLAPSIBLE TUBES
Lawrence Vita, Smithtown Branch, N. Y.
Application December 27, 1951, Serial No. 263,577
3 Claims. (Cl. 222—103)



1. In a dispensing device, the combination with a housing having a slot, of a floating member slidable in the housing, a pair of spaced parallel shafts journalled in the floating member to face opposite sides of a collapsible tube container supported in the housing, a cam faced member on each shaft, adapted to rest on the opposite sides of the tube and support the floating member, a flat extension of each cam faced member adapted to be swung toward the other to compress the sides of the tube between them, gears causing the shafts to turn together, and a handle fast to one shaft and projecting through the slot to be pressed downward to turn the shafts to cause the cams to roll against the tube and swing the extensions to compress the sides of the tube to expel the tube contents.

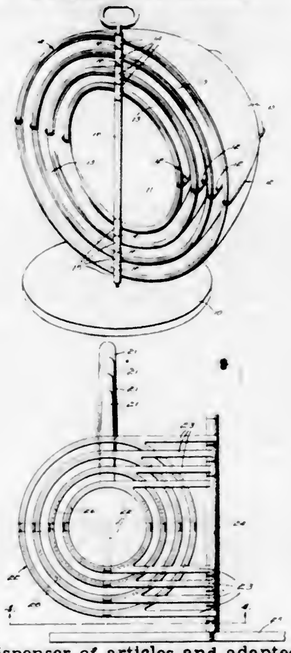
2,596,311
KNITTING NEEDLE
Marcel Vitoux, Paris, France, assignor to American Vitos Company, Inc., New York, N. Y., a corporation of New York
Application February 19, 1947, Serial No. 729,527
In France February 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1965
1 Claim. (Cl. 66—117)

A knitting needle, comprising a stem, a hook integral with said stem, said stem having a recess formed therein, a blade fitting in said recess and having a tail and a portion connected with said tail, said tail constituting the major portion of the blade, said portion being pivotally mounted



in said stem and comprising a nose adapted to co-act with the hook of the needle, said tail being of lesser thickness than said pivoted portion of the blade.

2,596,312
DISPENSER OF KITCHEN ARTICLES
Ernest K. Von Mertens, West Hartford, Conn.
Application March 12, 1947, Serial No. 734,031
5 Claims. (Cl. 211—78)

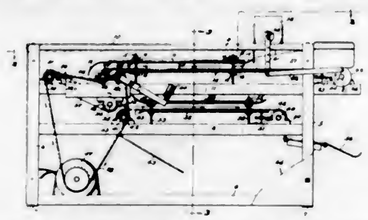


5. A dispenser of articles and adapted to support a plurality of articles progressively varying in size comprising, a plurality of supporting baskets of substantially spherical shape and of progressively varying sizes adapted to be moved to nested storing position, each of said individual baskets being adapted to receive an article and being normally nested and rotatable from their nested storing position to a position outside of said nested position, a post, a pair of bearings on said post for pivotally supporting each of said baskets and each of said baskets having an envelope substantially spherical and having radii of progressively increasing values and substantially a common center.

2,596,313
DOUGH SHAPING MACHINE
Roscoe K. Wagoner, Evansville, Ind.; Sophia V. Wagoner, administratrix of said Roscoe K. Wagoner, deceased
Application October 17, 1947, Serial No. 780,464
1 Claim. (Cl. 107—9)

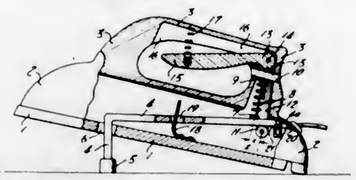
A machine for forming portions of dough into finger rolls, comprising a frame including hori-

zontal side angle bars, an upper endless conveyor operating through the frame in a horizontal plane, a lower endless conveyor operating within the frame in parallel relation with the upper conveyor, presser plates disposed above and in vertical spaced relation with the upper flights of the endless conveyors disposed longitudinally thereof, the side edges of the presser plates extending beyond the side edges of the endless conveyors, transverse bars secured to the upper surface of each presser plate, said bars having openings disposed adjacent to the ends thereof, vertical adjusting screws adjusting the normal positions of the presser plates with respect to the conveyors, said screws extending through the



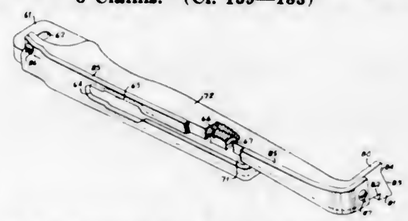
openings in the extended ends of the transverse bars, the lower ends of said adjusting screws resting on said angle bars, means for securing the presser plates to said adjusting screws adjusting said presser plates as the screws are rotated, an inclined endless conveyor operating within the frame between the upper and lower endless conveyors adjacent to one of the adjacent ends thereof and onto which formed rolls are delivered from the upper endless conveyor to the lower endless conveyor, means for operating the endless conveyors, and means for receiving the formed rolls from the lower endless conveyor after they have been pressed into form by the presser plates.

2,596,314
AUTOMATIC SUPPORT FOR FLATIRONS
Nathaniel B. Wales, New York, N. Y., assignor to Industrial Patent Corporation, New York, N. Y.
Application April 21, 1948, Serial No. 22,359
6 Claims. (Cl. 38—79)



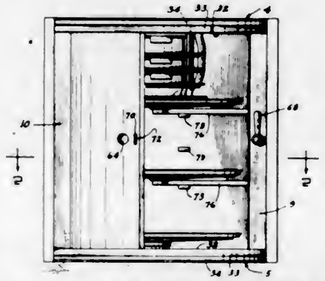
1. An electric iron comprising a sole plate having an orifice therein, a body secured to said sole plate, a handle secured to said body, a support member journalled at one end thereof upon said body and having its other end in register with said orifice for projection therethrough to its supporting position, a movable fulcrum suspended upon the body structure and slidably engaging the support member on its undersurface intermediate its ends, a spring element under compression connected to and interposed between a fixed part of the body structure and the upper surface of the support member to bias said support member against the fulcrum, said fulcrum adapted for movement to position the same to either one side or the other side of the normal engaging point between said spring element and the support member, and manual means for shifting the fulcrum from one of its positions to the other, whereby in one position of the fulcrum the support member under certain conditions may be moved to project its supporting end through said orifice to lift the iron to its support position and also whereby the support member is retracted within the body structure when the fulcrum is moved to its other position relative to said normal engaging point between the spring element and said support member.

2,596,315
LOOM BOX FRONT
Herbert E. Wenrich and Ralph J. Norce, Berwick, Pa.
Application November 19, 1948, Serial No. 60,884
8 Claims. (Cl. 139—183)



1. A box front for looms adapted to be secured to the top of the lay of a loom and having a slot in its outer half extending longitudinally of the box front and closed at both ends, the inner end of the box front having its lower edge cut away to provide a second slot between its lower edge and the top of the lay, the inner end of the box front curving laterally away from the lay and flaring downwardly, the extreme tip of the inner end of the box front having an inclined surface provided with a notch and the lower edge thereof also having a notch therein opening in a reverse direction from the first notch.

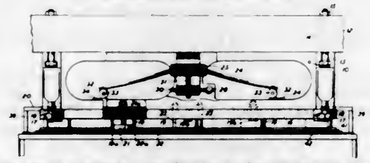
2,596,316
REFRIGERATOR
Charles C. White, New York, N. Y., assignor to White Cabinet Corporation, New York, N. Y., a corporation of New York
Application December 19, 1945, Serial No. 636,004
2 Claims. (Cl. 220—9)



1. In cabinet construction, a side wall forming part of a cylinder and comprising spaced concentric side wall members, said side wall members terminating at vertical edges to provide an opening, a circular end member for closing an end of said side wall, said end member including an annular portion extending upwardly between said side wall members and engaging the same to

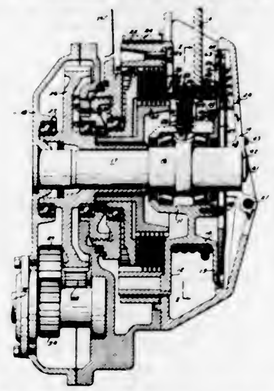
assist in maintaining the same in spaced relation, and a second portion annularly co-extensive with said first portion and extending entirely across said opening, but extending upwardly above the level of said first portion to form a stop shoulder at each end thereof, one of said stop shoulders engaging one of the edges of said cylindrical wall at said opening and the other of said stop shoulders engaging the other of said edges of said cylindrical wall to assist in maintaining said edges in fixed position.

2,596,317
BISCUIT-CUTTING AND THE LIKE MACHINERY
Albert Edward Wilde, Earlestown, Newton-le-Willows, England, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England, a British company
Application September 8, 1949, Serial No. 114,477
In Great Britain December 1, 1948
1 Claim. (Cl. 107—20)



A biscuit cutter including in combination a cutter block, a plurality of cutting shells secured to said block, an ejector plate disposed on said block, ejectors associated with said cutting shells, means rigidly connecting the said ejectors to said ejector plate, a leaf spring extending between a part of the cutter block and a part of the ejector plate below and displaced to one side of said first mentioned part to urge the ejector plate and ejectors in a downwards direction, means to fixedly retain the spring to one of said parts, and means to vary the vertical distance between the said parts to adjust the tension of the said spring.

2,596,318
CONTROL FOR CABLE WINDING DRUMS
Carl H. Willi and Norwood L. Snowden, Peoria, Ill., assignors to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application May 19, 1948, Serial No. 27,894
3 Claims. (Cl. 254—173)



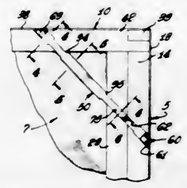
1. In a drum for winding cable or the like, means to overcome the tendency of the drum in paying out cable to over-spool the cable comprising a drum surface for receiving wound cable, levers adjacent to and extending the full width of the drum surface, said levers being pivotally mounted on the drum for movement outward from said drum surface resilient means acting directly on said levers adjacent the drum surface tending to swing said levers outwardly against the cable wound on the drum, and means controlled by said levers to prevent further paying out of cable.

2,596,319
BOTTLE ARRANGING MACHINE
Ludwig Wimmer, Middletown, Conn., assignor, by mesne assignments, to Emhart Manufacturing Company, a corporation of Delaware
Application October 24, 1947, Serial No. 781,877
11 Claims. (Cl. 198—31)



1. In apparatus for changing a single line of oblong articles into a plurality of lines, a conveyor, means for feeding articles thereto in a single line, a device for deflecting said line of articles crosswise of the conveyor to form an oblique line, and mechanism for maintaining the articles in said oblique line until a complete row is formed and for thereafter simultaneously turning the individual articles of said row to align them with the direction of movement of the conveyor, said turning movement causing the articles to be released and carried forward by the conveyor in a plurality of lines.

2,596,320
CONTAINER AND CORNER LOCKING MEANS THEREFOR
James G. Witte, Wheaton, Ill., assignor to William I. Evans and Elias Blanco, Los Angeles, Calif.
Application January 23, 1948, Serial No. 3,856
7 Claims. (Cl. 217—12)



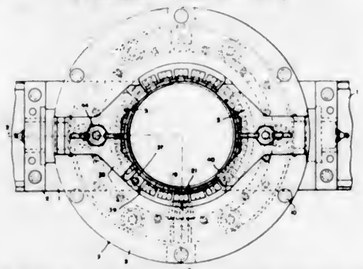
1. A frame construction comprising a horizontal member having a hole therethrough, said hole having sections of two diameters and side openings through the edge of said member, the perpendicular distances between the edges of said openings being less than the diameters of said sections, respectively, and the cylindrical surfaces of said holes extending through an angle greater than 180 degrees, a vertical member having a hole therethrough, said hole having sections of two diameters and side openings through the edge of said member, the perpendicular distances between the edges of said openings being less than the diameters of said sections and the cylindrical surfaces of said holes extending through an angle

greater than 180 degrees, the axes of the sections of the holes in both of said members being in alignment, and a spindle in said holes joining said members, said spindle having cylindrical end sections corresponding to the cylindrical sections of said holes having the larger diameters, intermediate cylindrical sections corresponding to the cylindrical sections of said holes having the smaller diameters, and a substantially flat side of a width approximately corresponding to the perpendicular distance between the edges of said side openings.

2,596,321
WORK CHUCK

Thomas Zimmerman, Dearborn, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Original application January 17, 1945, Serial No. 573,211. Divided and this application May 10, 1948, Serial No. 26,079
2 Claims. (Cl. 51—227)



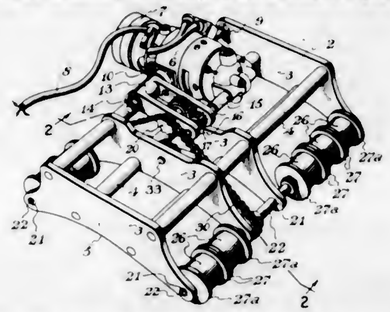
2. A chuck for an externally flanged member comprising an annular member, annular plates secured to opposite ends of said annular member, a unit for radially positioning the flanged member having jaws movable radially of said annular member and externally engageable with the flanged member, means for longitudinally positioning the flanged member having jaws mounted on one of said annular plates and movable axially of said annular member and engageable with one side of the external flange of the flanged member and spring means abutting the other of said annular plates and said unit and yieldably supporting said unit for movement axially of said annular member.

2,596,322
MAGNETIC CARRIAGE

Arlie I. Zumwalt, Tulsa, Okla., assignor, by direct and mesne assignments, to ZeGCo Products Incorporated, Tulsa, Okla., a corporation of Oklahoma

Application September 29, 1949, Serial No. 118,671
3 Claims. (Cl. 33—21)

1. A self propelled tool carrying machine adapted to move around a pipe while the tool carried thereby performs work on the pipe, said machine comprising a carriage, said carriage comprising spaced side plates, said spaced side plates being connected together by transverse rods, forward and rear driven shafts carried by the forward and rear ends of the side plates, magnetic rollers carried by said shafts at their ends, sprockets carried by said shafts intermediate their ends, a motor pivotally mounted on said carriage on one side thereof, a drive pinion carried by the motor, a driven sprocket driven by the drive pinion, an endless sprocket chain extending over the driven sprocket and over the sprockets carried by the shafts and forming means whereby the shafts are rotated and the



magnetic wheels rotated therewith for causing the machine as a whole to move around the pipe.

2,596,323
ASPHALTIC COATING COMPOSITIONS FOR FLOORING, ETC.

Annis G. Asaff, Auburndale, Mass., assignor to Commonwealth Research Laboratories, Boston, Mass., a partnership

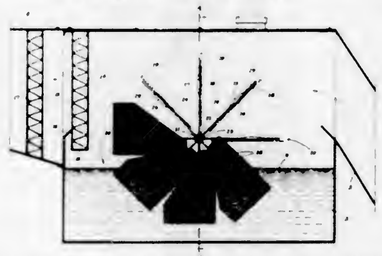
No Drawing. Application June 11, 1948, Serial No. 32,543
5 Claims. (Cl. 106—277)

1. A liquid vehicle for use in a coating composition comprising asphalt dissolved in a solvent comprising 25 to 50 per cent of a liquid aromatic hydrocarbon selected from the group consisting of benzol, toluol and xylol and 50 to 75 per cent of a lower aliphatic acetate ester, the amount of asphalt being sufficient to render the vehicle adapted to receive and form a sticky, non-trowelable mastic with a major proportion of solid aggregate filler material and the addition of alcohol thereto being effective to cause a two phase separation and render the mastic plastic and cohesive and of such non-sticky character that it can be spread with a trowel.

2,596,324
AIR COOLER

Arthur H. Carpenter, Newman, and James T. Calonico, Gustine, Calif.; said Calonico assignor to F. A. Patchett, Newman, Calif.

Application June 20, 1949, Serial No. 100,146
3 Claims. (Cl. 261—92)



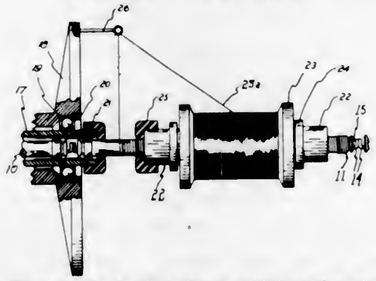
1. An air cooler comprising a tank adapted to contain liquid to a predetermined level, an air intake into the tank and an air outlet from the tank both being above the predetermined liquid level whereby an air stream may be induced through the tank above such liquid level, a shaft disposed across the tank transversely of

the direction of said air flow, a sleeve mounted for free rotation on the shaft, a plurality of mounting rods fixed to the sleeve and projecting radially outward therefrom and spaced substantially equally apart circumferentially of the sleeve, a screen vane mounted on each mounting rod and adapted to be alternately carried into and out of liquid in the tank and into and out of the air stream, respectively, with the rotation of the sleeve, the mounting for the vane comprising a bearing on the vane turnably mounted on the rod about its longitudinal axis, the vane projecting laterally to each side of the rod and being of relatively large area on one side relative to the other side so as to be overweighted in a manner such that as the vane moves out of the liquid in the tank and before it enters the air stream it will automatically swing to a position in which its surface will be in a plane parallel with the longitudinal axis of the sleeve, and as it leaves the air stream it will swing to a position with its surface lying in a plane at right angles to the longitudinal axis of the sleeve; each screen vane being diagonally cut away at the inner corner thereof on the lighter side of the vane.

2,596,325
METHOD OF MAKING ELECTRICAL RESISTORS

Joseph J. Cerny, Chicago, Ill.

Application September 20, 1947, Serial No. 775,296
2 Claims. (Cl. 29—155.5)



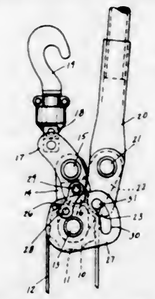
1. In a method of making resistors for electrical circuits, the steps of substantially, uniformly moving a train of resistor cores in end-to-end relation in a continuous passage; mechanically winding a resistance wire spirally on the outer surface of each of said core bodies as each moves through a plane in which a spindle is moving and moves out of said passage, temporarily retaining said core body from rotation as it moves through the plane of wiring, and continuing said winding from one core body to the other as the cores are successively moved through said plane, simultaneously pushing each already wired core body through a second passage while retaining said cores from rotation, thence cutting the segments of the wires extending from one core body to the other; and thence securing the portions of the spirally wound wire at the opposite ends of each core body.

2,596,326
FABRIC BELT HOIST

Fredrick W. Coffing, Danville, Ill., assignor to Coffing Hoist Company, Danville, Ill., a corporation

Application November 27, 1950, Serial No. 197,774
7 Claims. (Cl. 254—167)

1. In a pulling device in combination a peripherally corrugated rotatable drum, a shaft for said drum, a pair of links between which said shaft is mounted, a supporting holding pawl pivotally supported between said links and having a holding nose biased into braking engagement with the corrugations of said drum by the weight of the load, a relatively inextensible flexible hoisting belt carried by said drum, a pair of links pivoted on said drum shaft, an operating lever pivotally mounted between said links hav-

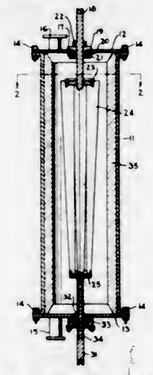


ing a nose engageable with the corrugations of said drum and effecting a rotation of said drum in a hoisting direction by the downward rocking of said lever to a predetermined point, and means operating by a downward movement of said lever beyond said predetermined point for maintaining said pawl holding means ineffective during the oscillation of said lever below said predetermined point.

2,596,327
ELECTRIC HEATER

Robert Cox and Hendrik Sipkes, Ijmuiden, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

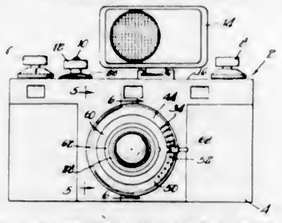
Application July 11, 1950, Serial No. 173,078
In the Netherlands July 19, 1949
6 Claims. (Cl. 219—39)



1. An electrically operated gas heater comprising a closed housing having a chamber formed therein, inlet and outlet port means at opposite ends of said housing for flowing a gas through said chamber, a plurality of metal conductors carried within said chamber, said conductors extending over a major portion of the distance between the inlet and outlet port means, the resistance per unit length of said conductors decreasing and the cross-sectional area thereof increasing in the direction of the flow of gas

through said chamber, and means extending through the wall of said housing for supplying an electric current to said conductors.

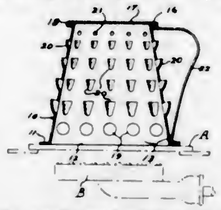
2,596,328
CAMERA EXPOSURE CONTROL
Dennis B. Dorsey, Chicago, Ill.
Application August 18, 1948, Serial No. 44,855
1 Claim. (Cl. 95—64)



In a camera having a lens tube, exposure speed adjustment means and exposure opening adjustment means, a first control member rotatably mounted on said lens tube and connected to said speed adjustment means for adjustment therewith, a second control member rotatably mounted on said lens tube in juxtaposition to said first member, both of said members being rings having internal gear teeth and journaled on the lens tube, a releasable connection between the second control member and said opening adjustment means to permit relative adjustment thereof, means for governing the adjustment of said members relatively in accordance with scene brightness, means for governing the adjustment of the second member and said opening adjustment means relatively in accordance with film speed, means for holding the speed adjusting means against movement, which means are releasable to permit adjustment of the speed adjusting means and a releasable drive connection between said members for causing automatic adjustment of the opening adjustment means on adjustment of the speed adjustment means and permitting adjustment of said opening adjustment means independently of said speed adjustment means, said releasable drive connection comprising a stud, a gear journaled on said stud and meshing with the teeth of one of said rings, a rotatable shaft, a second gear meshing with the teeth of the other ring and splined to said shaft for rotation therewith and for axial movement relative thereto toward and from the first gear, spring means urging the second gear toward the first gear, and interengageable camming teeth on said gears normally urged into engagement by the action of the spring means on said second gear on rotation of the shaft and causing automatic disconnection of the gears on rotation of the first gear.

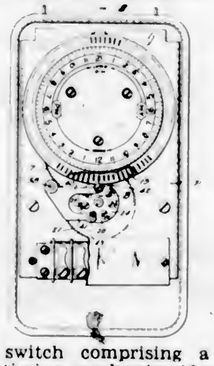
2,596,329
ACCESSORY HEATER DEVICE USABLE ON COOKING STOVE BURNER
Ada Elizabeth Egbert, Los Angeles, Calif.
Application November 10, 1947, Serial No. 785,115
2 Claims. (Cl. 126—248)

1. A device of the character described, comprising a hollow shell having a centrally open base at one end adapted for seating over a heating unit, side walls inclined upwardly and inwardly from the base, a top closure plate at the top end of the side walls and supported thereby, said side walls each having a plurality of rows of orifices therein, parallel to the base, the row of orifices next adjacent the base being in the plane of the side walls and the orifices thereabove being tapered downwardly and having an integral overlying wall portion upset outwardly



from the side wall material and integral with the wall at the lower edge of the orifices, said orifices opening toward the top plate.

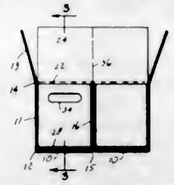
2,596,330
TIME SWITCH
Joseph John Everard, Manitowoc, Wis., assignor to Paragon Electric Company, Two Rivers, Wis., a corporation of Wisconsin
Application August 13, 1949, Serial No. 110,218
3 Claims. (Cl. 161—1)



1. A time switch comprising a main dial, power driven timing mechanism for driving the main dial, said main dial being arranged to execute one revolution every twenty-four hours, a seven-day dial, gearing positively and permanently operatively connecting the seven-day dial and the twenty-four hour dial and arranged to impart one revolution to the seven-day dial for each seven revolutions of the twenty-four hour dial, switch means, a switch operating lever for operating said switch means, cam means carried by the twenty-four hour dial, cam means carried by the seven-day dial, and a first and a second cam follower carried by said switch operating lever and arranged to be selectively operated by the cam means of said twenty-four hour dial and said seven-day dial, respectively, said first and second cam means being distinct and separate and being spaced apart, the cam means of said seven-day dial being arranged to hold said switch lever in inoperative position when such cam means engages said second cam follower.

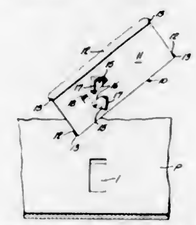
2,596,331
SEVERABLE MULTIPLE UNIT CASE
Kenneth C. Ferguson, Indianapolis, Ind., assignor to Inland Container Corporation, Indianapolis, Ind., a corporation
Application March 9, 1950, Serial No. 148,634
4 Claims. (Cl. 229—27)

1. A one-piece divisible carton comprising a single blank having two halves integrally connected together for a portion of said halves and initially separable for the remaining portion of said halves, each half comprising integral, serially hinge connected half top, exterior side, bottom and interior partition-side portion, inner end flaps integral with and side edge connected to opposite side edges of the partition-side portion, exterior ends integral with and side edge con-



nected to opposite side edges of the exterior side portion, cover flaps integral with and hinge connected to the top edges of each of said exterior ends, and bottom flaps integral with and hinge connected to the bottom edges of each of said exterior ends, said bottom flaps and inner end flaps being arranged, when in container formation, to lap each other and be transversely disposed for interlocking purposes.

2,596,332
ROTARY ATTACHED FASTENER FOR SECURING OBJECTS TO PANELS
Laurence H. Flora and Charles A. Kelley, Cleveland, Ohio, assignors to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 19, 1948, Serial No. 39,484
2 Claims. (Cl. 24—73)



1. A fastener comprising a sheet metal base having a pair of cooperating attaching hooks provided from the material of said base and projecting from the underside of said base, said hooks extending in opposite directions in longitudinal relation to each other and having spaced transverse junctions with said base which are laterally offset and separated by a transverse space directly between said transverse junctions, a projection at the underside of said fastener base located substantially opposite the transverse junction of one of said hooks and to the side of the other hook, and means carried by said fastener base for engaging an object to be fastened.

2,596,333
DIETARY SALT SUBSTITUTE
Alfred Halpern and Clifford H. Bradney, New York, N. Y., assignors to E. Fougera & Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 3, 1951, Serial No. 219,116
9 Claims. (Cl. 99—143)

1. A dietary salt substitute for sodium chloride, said substitute being formed by individual solid particles, the bulk of which consists of potassium chloride, said particles being provided with a coating comprising an inert binder and a glutamic acid compound selected from the group consisting of glutamic acid, potassium glutamate and calcium glutamate.

2,596,334
TOP ROLL STRUCTURE
Victor A. Hanson, Charlotte, N. C., assignor to Precision Gear and Machine Co. Inc., Charlotte, N. C., a corporation of North Carolina
Application May 7, 1951, Serial No. 225,017
7 Claims. (Cl. 19—142)

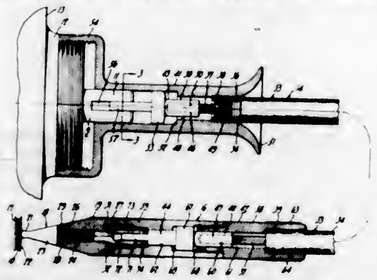


1. An improved top roll mounting for spinning frames, drawing frames and the like, said frames having bearing blocks thereon provided with grooves in the upper ends thereof, said improved mounting comprising a shaft having a first and a second reduced end portion at opposed ends thereof, said top roll having a bore in each end thereof, the first of the reduced end portions being adapted to be pressed into the bore in the corresponding end of said top roll, a bearing housing surrounding the second reduced end portion of said shaft, said housing having a plurality of axially alined bores of varying diameter therein to form shoulders therein, a roller bearing pressed into an intermediate one of said bores in the housing, an annular sealing ring pressed into an outermost of said bores at the root of said second reduced end portion of the shaft, a radial bearing member pressed into an enlarged end bore at the opposite end of said housing from that in which the sealing ring is disposed, the inner diameter of the radial bearing being substantially less than that of said second reduced end portion of the shaft and against which the said second reduced end portion of the shaft is adapted to be disposed when the second reduced end portion is inserted in said housing, said shaft having a third relatively smaller reduced end portion projecting beyond the second reduced end portion and through the radial bearing member, means securing said third reduced end portion of the shaft in the radial bearing member, an end member fixedly mounted in the same bore in the end of the housing in which said radial bearing is disposed and projecting outwardly substantially therefrom, said end portion having flattened opposed sides thereon adapted to fit in the groove of the corresponding bearing block on the said frame whereby, said end member and the said housing will remain stationary as said shaft rotates in the bearing housing and as the top roll rotates therewith.

2,596,335
FLEXIBLE SHAFT FOR MANICURING MACHINES
Merrill Kessler, Oakland, Calif., assignor to Aristocrat Manicuring Company, a corporation of Nevada
Application August 21, 1948, Serial No. 45,471
1 Claim. (Cl. 64—4)

Means for coupling a flexible drive composed of a flexible outer sheath and an interior flexible drive element to an electric motor housing and shaft and to a rotary manicuring device compris-

ing, a rigid tubular member connected at one end to said outer sheath and at the other end to said motor housing and having an axial bore therethrough, said bore having an enlarged portion adjacent one end thereof, a shaft part secured at one end to said flexible drive element and provided with means for slidable connection to said motor shaft at its opposite end for joint rotation therewith and having an enlarged cylindrical portion journalled for rotation and limited longitudinal reciprocation in said enlarged bore portion, said enlarged bore portion and said cylindrical portion being dimensioned to provide a bearing surface for said shaft part, a second rigid tubular member secured at one end to said outer sheath and provided with means for connection



to said manicuring device at its opposite end and having an axial bore therethrough, said bore having an enlarged portion substantially medially of its length, a second shaft part secured at one end to said flexible drive element and having a slidable connection to said manicuring device for joint rotation therewith, said second shaft having an enlarged cylindrical portion adjacent one end thereof journalled for rotation and limited longitudinal reciprocation in said enlarged bore, the portions of said shaft part adjacent each side of said enlarged cylindrical portion being journalled for rotation in said bore whereby a three point bearing arrangement is provided at the connection between said flexible drive element and said manicuring device for smooth, non-vibrational rotation thereof.

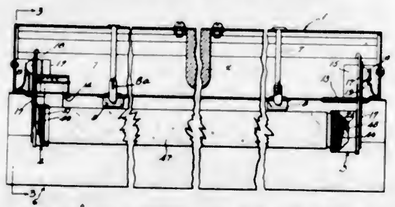
2,596,336

FIXTURE AND HOLDER FOR FLUORESCENT LAMPS

Arthur P. Leinen, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill., a corporation of Illinois

Application March 22, 1946, Serial No. 656,402

15 Claims. (Cl. 240—51.11)



1. A lighting fixture comprising an inverted channel-like hood, a reflector having its upper face detachably secured adjacent the lower edges of the hood, and means for supporting an elongated cylindrical fluorescent lamp below said reflector comprising a holder having means lying below the reflector for detachable electrical and mechanical engagement with the end of the lamp and having supporting means for said holder extending from below the reflector into the hood and finding terminals carried by said supporting means within said hood, said supporting means and hood having co-operating latch means for securing the holder in position brought into engagement by upward movement of said supporting means with respect to said hood.

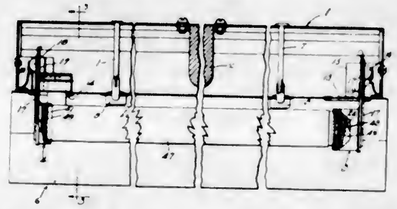
2,596,337

FIXTURE AND HOLDER FOR FLUORESCENT LAMPS

Arthur P. Leinen, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Des Plaines, Ill., a corporation of Illinois

Original application March 22, 1946, Serial No. 656,402. Divided and this application January 21, 1949, Serial No. 71,854

10 Claims. (Cl. 240—51.11)



1. A device for use with a lighting fixture having an elongated reflector, an elongated hood above said reflector and an elongated fluorescent lamp having end pin contacts, said device having means for electrical and mechanical connection with the lamp, and means for supporting the connecting means in the reflector comprising a substantially vertical metal plate extending transversely of the reflector and hood and having a lower part lying within the reflector for supporting the contact means and an upper part lying within the hood, an insulating layer of sheet material juxtaposed in front of said plate both in the hood and in the reflector, ribbon-like conductors extending from the hood into the reflector superposed on said insulating layer, binding terminals for said conductors at the upper end thereof within the hood, a second insulating layer of sheet material superposed on the upper portions of said conductors and electrical connections from said ribbon-like conductors to the lamp-engaging contacts.

2,596,338

PRINTING SLUG SLICING AND SHAVING MACHINE

James Dobbie Lithgow, Hamilton, Ontario, Canada

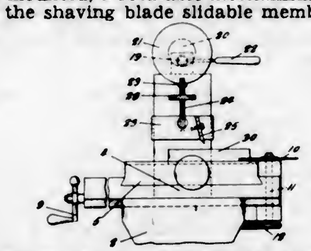
Application July 16, 1948, Serial No. 38,985

In Canada July 23, 1947

2 Claims. (Cl. 29—24)

1. A combined slug slicing and shaving machine comprising a reciprocable slug gripping vice, means for reciprocating the vice in successive forward and return directions in the same plane, a saw positioned above the vice and in the path of forward movement of a slug contained in the vice to transversely saw a slice from the slug lengthwise during said forward movement with the slice remaining gripped on the vice, a slidable member, a shaving blade carried upon the slidable member, a member extending at right angles to the path of travel of the vice

and upon which the shaving blade slidable member is mounted, a rotatable mechanism for actuating the shaving blade slidable member, a link



rod extending from the rotatable mechanism to the shaving blade slidable member, and means for adjusting the length of the link rod.

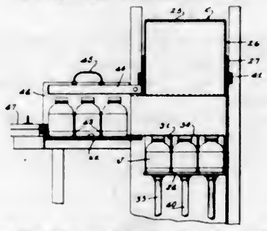
2,596,339

APPARATUS FOR LOADING AND UNLOADING JARS INTO AND OUT OF CONTAINERS

Garland Lufkin, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application April 6, 1946, Serial No. 660,041

5 Claims. (Cl. 226—16)



1. Apparatus for use in packaging jars or like containers which are packed in cases, each case having a top comprising side and end flaps foldable back for opening the case, said apparatus comprising a horizontal platform mounted for up-and-down bodily movement vertically, means for holding the said case stationary in an inverted position over and in register with the platform during the upward movement of the platform, a horizontal table having a fixed mounting in a position at one side of the platform at a level below that of the inverted case and its support, means for moving the platform bodily up and down vertically to positions respectively above and below the level of the said table and for holding the platform substantially on a level with the table, means for transferring a tier of the containers from the table to the platform while the latter is in its said position on a level with the table and for thereafter transferring a second tier of the containers onto the first-mentioned tier while the platform is in its said position below the level of the table, the platform when lifted to its said position above the level of the table being in position to support the containers within the case while the latter is in said inverted position.

2,596,340

DRAWBENCH UNLOADING ARM MECHANISM

Maurice W. Mahns, La Fayette, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 19, 1947, Serial No. 755,619

6 Claims. (Cl. 205—22)

2. A drawbench unloading mechanism comprising unloading arms of resilient material and of wide thin strap-like form, clamping means disposed outwardly of one side of the drawbench at spaced intervals therealong for individually clamping said arms at one end wide side vertical, said arms extending lengthwise substantially horizontally across the drawbench to a point adjacent to the opposite side thereof at a level inter-



secting the draw axis, whereby movement of the draw carriage of said drawbench flexes successive arms in passing and they resiliently engage at their free ends the work being drawn and exert static ejectment force thereon effective to discharge the work from said opposite side of the drawbench when drawing thereof is completed.

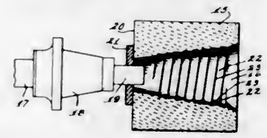
2,596,341

BURNER BLOCK AND BURNER

Cecil W. McCreery, Toledo, Ohio, and Milton W. Hatfield, Muncie, Ind., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application March 29, 1945, Serial No. 585,478

4 Claims. (Cl. 158—1)



1. A furnace block having an opening therethrough of generally frusto-conical formation, the length of said opening being several times the diameter at the smaller end which forms the inlet and substantially greater than the diameter at the larger end, said opening having a spiral reflecting wall surface and being tapered outwardly from the smaller end to the larger end, the major surface portion of each individual convolution of the spiral being about parallel with the axis of the spiral and non-divergent in the axial direction in which the wall surface of the opening as a whole is divergent, so that radiation of heat is confined within the opening to such an extent that combustion is at or near its maximum by the time the gases have passed through the burner block, the longitudinal edges of adjacent said reflecting surface portions being separated by intermediate spiral surface portions at an angle to the reflecting surface portions the width of said reflecting surface portions being several times the width of the intermediate surface portions, so that the movement of gases through the opening is retarded by gas friction, the greater amount of retardation being applied to the outer layers or strata along the walls of the opening, thereby causing the combustion to commence comparatively close to the inlet.

2,596,342

MACHINE FOR GAUGING BOTTLENECK OPENINGS

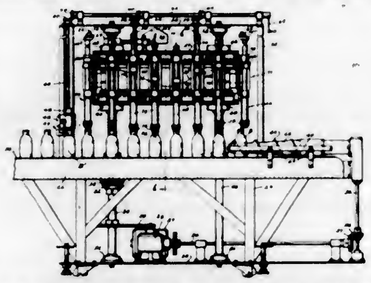
Anderson D. McNutt, Newark, and Robert L. Newton, Bridgeton, N. J., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application January 6, 1948, Serial No. 754

9 Claims. (Cl. 209—88)

1. Gauging apparatus comprising a tubular spindle including telescoping sections, each of

said telescoping sections being freely movable with respect to the other, and to its mounting, means for mounting the spindle in upright position, a gauging head mounted on the lower said section at the lower end thereof and adapted to seat on an article under test, a gauging plug, a stem to which the plug is connected, said stem extending lengthwise through said spindle, said



plug and stem being mounted for free sliding movement up and down relative to said gauging head and lower sections of the spindle to and from a gauging position, and a detector mounted on the spindle and projecting into the path of said stem and movable thereby to an operative position by relative movement of said stem and spindle.

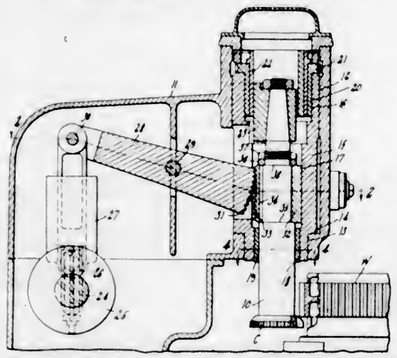
2,596,343

GEAR SHAPING MACHINE WITH ECCENTRIC CUTTER RELIEF

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application February 9, 1949, Serial No. 75,328

12 Claims. (Cl. 90—7)



1. In a shaping machine having a reciprocable and rotatable cutter spindle, a cutter carried by said spindle, a gear engaged with said spindle and a worm meshing with said gear for rotating the spindle, the combination of a sleeve surrounding said spindle and a portion of said gear mounted to rotate about its axis and having internal bearing surfaces eccentric to its axis in which said spindle and gear are fitted rotatably, means for turning the sleeve back and forth about its axis to back off the spindle and return it to a prescribed cutting path, and means for simultaneously imparting an incremental angle of rotation to said worm, whereby to turn the cuter so as to clear it of lateral contact with the work during backing off movements.

2,596,344

FRACTIONATION PROCESS

Herbert A. Newey, Richmond, and Edward C. Shokal and Theodore F. Bradley, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 21, 1948, Serial No. 45,564

17 Claims. (Cl. 260—404.5)

13. In the process for the fractionation of mixtures of straight-chain polar organic compounds bearing an unbranched hydrocarbon chain, a fraction A of which mixture comprises compounds having a relatively lesser proportion of olefinic linkages and a fraction B of which comprises compounds having a relatively greater proportion of olefinic linkages and bearing a polar substituent of the same chemical class as that borne by the compounds of fraction A, the steps which comprise contacting urea with said mixture at a temperature between 0° and 75° C. whereby a first portion enriched in the compounds of fraction A form crystalline molecular complexes with urea but a second portion enriched in compounds of fraction B is unaffected, and separating said molecular complexes from said second portion.

2,596,345

WHEEL QUENCHING DEVICE

Robert Earl Penrod, Johnstown, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Original application December 27, 1944, Serial No. 569,994. Divided and this application February 28, 1948, Serial No. 12,093

8 Claims. (Cl. 134—123)



2. An apparatus for quenching car wheels and the like comprising cooperating means for clamping the wheel, means for rotating the clamped wheel, and rotary spray nozzle means driven by the quench water and disposed generally coaxially of the wheel between the wheel and the clamping means.

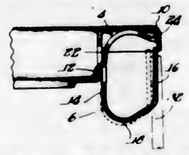
2,596,346

TOOTHED SHOULDERED SPRING RETAINER CLIP

Edmund J. Soltysik, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application November 14, 1947, Serial No. 785,840

3 Claims. (Cl. 24—73)



1. A one-piece double-ended sheet metal fastener formed from strip material and adapted for attaching a channel-shaped member to a complementary work piece, and comprising a resilient head arched to present an outwardly facing con-

vex portion facilitating its insertion within the channel-shaped member, one side of the head presenting a free extremity of the strip and having teeth extending outwardly from said free extremity adapted to impinge a side wall of the channel-shaped member in a direction substantially normal to said wall, a leg portion extending from the opposite side of said arched head, a hook spaced outwardly of the leg portion and opening away from said head and extending outwardly from the juncture of the head and stud for passage through a recess in the side wall of the channel-shaped member opposite to the side wall engageable by the aforesaid teeth, said resilient arched head cooperating to urge said teeth into impingement with the adjacent side wall of the channel-shaped member for positively positioning the head therein, and fastening means on said leg portion projecting out of the plane thereof for attaching the fastener to the work piece.

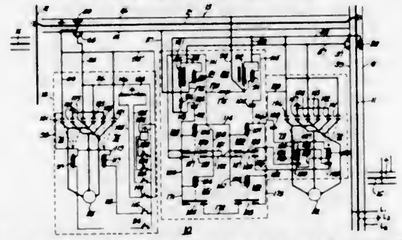
2,596,347

CRANE CONTROL SYSTEM

Ralph W. Spafford, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a corporation of Iowa

Application April 17, 1948, Serial No. 21,601

11 Claims. (Cl. 105—163)



6. A control system for a crane system including runways, a crane bridge for traveling on said runways, and a crane for traveling on said crane bridge comprising, one pair of conductors spaced along said runways, a second pair of conductors spaced along said crane bridge, said runways and said bridge forming a third conductor, a pair of responsive devices in circuit respectively with said second and said first pairs of conductors, one energizable means on said crane bridge for controlling to and fro movements thereof on said runways, second energizable means on said crane for controlling to and fro movements thereof on said bridge, means on said crane for connecting said second energizable means to said second pair of conductors, a circuit having normally open and normally closed contact means operated in response to energization of respective ones of said pair of responsive devices connecting said one energizable means to said first pair of conductors, and means on said crane for connecting each one of said second pair of conductors individually to said third conductor.

2,596,348

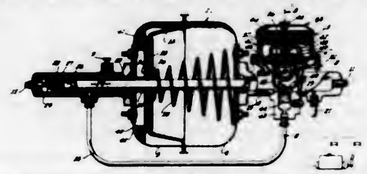
HYDRAULIC BRAKE BOOSTER UNIT

Fred A. Tann, Los Angeles, Calif., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application November 7, 1945, Serial No. 627,243

6 Claims. (Cl. 60—54.5)

2. A hydraulic booster pump unit for a vehicle hydraulic braking system of the type having a motor cylinder to apply the brakes, and a master cylinder operated by the operator, comprising: an air-pressure-operated booster including a casing, a movable diaphragm, a follow-up piston carried by said diaphragm, and a power piston driven by said diaphragm, said casing being open to atmosphere on one side of said diaphragm and to a source of vacuum in said vehicle on the other side; a valve assembly to control the flow of air from said booster casing including a valve, air operated means normally exerting a closing force on said valve to seat the same, a control cylinder adjacent said valve and adapted for connection to said master cylinder, a control piston in said control cylinder, and lifting means interposed between said piston and valve whereby



movement of said piston in response to fluid pressure in said control cylinder exerts an opening force on said valve, said lifting means being yieldable to permit closure of said valve without movement of said control piston when said closing force exceeds said opening force; a high pressure fluid cylinder adapted to be fluid connected to said motor cylinder and into which said power piston slidingly extends to vary the fluid pressure by variation in its extension therein; and a follow-up fluid cylinder adapted to be fluid connected to said master cylinder and into which said follow-up piston slidingly extends to vary the volume of fluid in said master cylinder as said movable diaphragm moves.

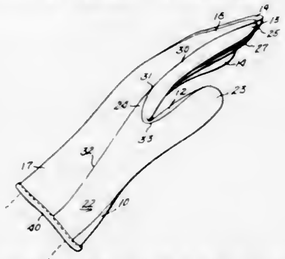
2,596,349

SEAMLESS PALM GLOVE

Lawrence M. Thurlow and William E. Newell, Portland, Oreg., assignors to Thurlow Glove Company, Portland, Oreg., a corporation of Oregon

Application October 21, 1948, Serial No. 55,764

1 Claim. (Cl. 2—169)



The method of forming a glove comprising the steps of cutting a palm blank provided with a palm portion, a thumb front portion, a wrist portion, and a first finger front portion, said thumb portion projecting laterally and downwardly from the base of the first finger portion, and the edge of the palm blank at the junction of the side edges of the first finger and thumb portions having an open arcuate notch therein, cutting a back blank provided with a wrist portion and a first finger back portion, the edge of said back blank at the first finger side thereof

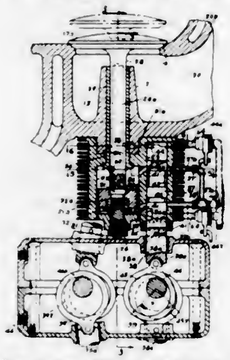
extending in substantially a straight line from the tip of the first finger portion to the end of the wrist portion, cutting a thumb insert provided with a thumb back portion, and a narrow tab extending upwardly and laterally from the base of said thumb back portion with the edge of the thumb insert at the junction between said tab and the thumb back portion lying along an arc, interposing said thumb insert between the adjacent side edges of said palm blank and said back blank and stitching the adjacent edges of the three blanks together by means of a straight side seam extending from the tip of the first finger to the edge of the wrist, and a thumb seam extending around the sides of the thumb, arcuately about the back of the thumb crotch and then upwardly to a junction with said side seam at the base of the first finger at a sharply acute angle to said side seam, and while forming said seams, stretching the palm portion of the palm blank to pull the edge of said notch into alignment with the arcuate edge of said thumb insert between its thumb back portion and its tab whereby to stretch the material of the palm portion and to provide a smoothly fitting glove.

2,596,350

HYDRAULIC VALVE OPERATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES

Edward E. Wallace, Cleveland Heights, Ohio; Daisy T. Wallace, administratrix of said Edward E. Wallace, deceased

Application September 3, 1947, Serial No. 771,954
4 Claims. (Cl. 123—90)



1. In valve operating means for an internal combustion engine, the combination with a cylinder, a valve therefor and a shaft adapted to be driven by the engine crank shaft, of a case formed with side-by-side parallelly related openings to provide main and auxiliary cylinders, the wall between said cylinders being formed with ports connecting the opposite ends of said main cylinder with said auxiliary cylinder and the wall of the latter cylinder being formed with exhaust openings, a piston in said main cylinder connected to the shank of said valve, a source of liquid supply under pressure having connection with said auxiliary cylinder, each connection being related to one of said ports, a member reciprocably mounted in said auxiliary cylinder and provided with ducts, certain thereof in one position of said member being arranged to connect said liquid supply with one of said ports and the other port with one of said exhaust openings and certain thereof in another position of said member being arranged to connect the other port with the liquid supply and the first mentioned port with one of the exhaust openings, exhaust conduits connected to the opposite ends of said main cylinder, valve means in said conduits actuated by said shaft for controlling the discharge of liquid from said main cylinder as the piston therein approaches the end of its movement in either direction, and means drivingly connected with said shaft for reciprocating said member.

2,596,351

HEARING AID EARPIECE

Lawrence G. Weaver, Evanston, Ill.

Continuation of application Serial No. 634,597, December 12, 1945. This application March 29, 1950, Serial No. 152,681
2 Claims. (Cl. 181—23)



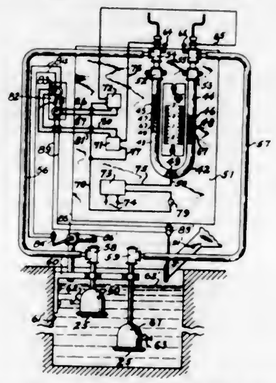
1. In hearing aid means; an ear insert molded to the ear and comprising an inwardly extending element adapted to fit into the outer portion of the auditory canal, said insert having therein a passage comprising an inner portion opening through the inner end of said element and an outer portion opening through the insert sidewise and upwardly thereof and extending substantially parallel with the side of the user's head when said insert is positioned within the ear; and a flexible sound conducting tube attached at one end to said insert, said tube opening into said outer portion of said passage as a continuation thereof in substantial alignment therewith and disposed to extend therefrom forwardly and upwardly and substantially parallel with the side of the user's head and back over the ear between the user's head and ear helix, depending freely behind the ear vortex.

2,596,352

DENSITY RESPONSIVE INDICATING AND CONTROL DEVICE

Charles Erb Wuensch, Saratoga, Calif., by decree of distribution to Eunice L. Wuensch

Application February 21, 1945, Serial No. 579,117
7 Claims. (Cl. 137—78)



1. In a pulp density responsive device of the character described, the combination of a vat containing a pulp the density of which is to be controlled, a U-tube having a column of mercury therein, a circuit terminal at the bottom of said U-tube and connecting with said mercury, an electrical circuit contact extending into each end of said U-tube adapted to establish a circuit through said mercury to said circuit terminal as it is displaced by changes in pressure exerted at the ends thereof, a non-compressible fluid connection extending from one end of said U-tube, a pressure chamber at the outer end of said fluid connection having a pressure responsive diaphragm in a wall thereof and submerged at one level in the pulp of said vat, a second non-compressible fluid connection extending from the other end of said U-tube, a second pressure chamber at the outer end of said second fluid connection having a pressure responsive diaphragm in one wall thereof and submerged in the pulp of said vat at a different level, whereby said diaphragms will be rendered responsive to changes in pulp density occurring within the pulp between the two levels at which said diaphragms are positioned, electrically controlled means associated with the circuit established through said mercury column by the circuit controlling contact in the leg of said U-tube connected with the upper one of said pressure chambers for adding a dilute to the pulp in said vat when its density reaches a predetermined high point, and a second electrically controlled means associated with the circuit controlling contact in the leg of said U-tube connected with the lower one of said pressure chambers for adding fresh pulp to said vat when the density of the pulp therein reaches a predetermined lower density.

2,596,353

PRESSURE VESSEL

Walter H. Zollinger, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application July 5, 1947, Serial No. 759,039
25 Claims. (Cl. 18—7)



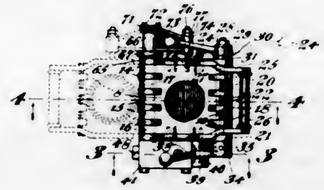
25. A pressure vessel comprising a cylindrical body portion having a pressure chamber open at one end, a door jamb formed within the open end portion of the vessel, a door case surrounding the open end portion having a forward edge, spaced hinge lugs extending from the forward edge at one side of the door case, a door having spaced hinge lugs adapted to be inserted between the hinge lugs of the door case, registering openings through the hinge lugs for receiving a hinge bolt, serrations formed in the swinging edge of the door, a plurality of spaced ears extending from the forward edge of the door case opposite to the hinge lugs having registering apertures, means for swinging the door to the closed position for the serrations formed in the swinging edge of the door to be inserted between the ears, a locking bolt mounted for rocking movement in the apertures in the ears having cut out segments between the spaced ears, a locking lever secured to the locking bolt for rocking the locking bolt to open and close the door, means for limiting the rocking movement of the locking bolt, a valve casing secured to the door case, a stem for the valve extending from the valve casing, pipe connections for the valve to the fluid pressure supply and exhaust pipe connections for the pressure chamber, a sleeve secured to the locking bolt having a recess formed therein, an interlocking release lever pivotally mounted on the valve casing having a tooth for engaging the recess when the door is closed and for holding the locking bolt against rocking movement, a rocking arm formed integral with the interlocking release lever adapted when actuated therewith to engage the valve stem and open the valve to by-pass the fluid pressure for the pressure chamber to the exhaust pipe connection and for disengaging the tooth of the interlocking release lever from the recess in the sleeve when said interlocking release lever is actuated, and means for rocking the sleeve for said tooth to engage the outer surface of the sleeve for holding the valve open.

2,596,354

DOOR SUPPORT FOR PRESSURE VESSELS

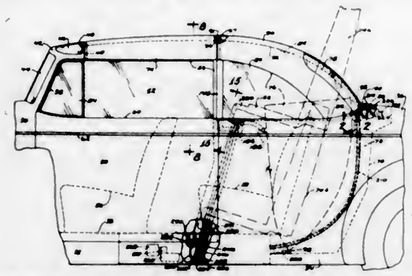
Walter H. Zollinger, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Original application July 5, 1947, Serial No. 759,039. Divided and this application December 6, 1949, Serial No. 131,448
14 Claims. (Cl. 18—7)



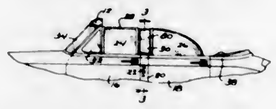
13. A pressure vessel comprising a container having a pressure chamber open at one end and closed at the opposite end, a door surrounding the open end portion of the vessel, inlet and exhaust pipe connections to the pressure chamber having valves for controlling the fluid pressure to and from the pressure chamber, a swinging door hinged to the door case for closing the open end of the pressure chamber, said hinge for the door including a hinged bolt having an end portion extending beyond an edge of the door, a collar on the extending portion of the hinge bolt for engaging the end of the hinge, a jib-crane comprising a cylindrical portion provided with an anti-friction bearing therein at each end mounted on the extending end of the hinge bolt and supported on the collar, said cylindrical portion of the jib-crane having an arm with a tubular outer end portion, a stud bolt connecting the tubular outer end portion of the arm with the central top portion of the door, said jib-crane adapted to form an auxiliary support for the door during the opening and closing operations, means for swinging the door to the open and closed positions, means for automatically locking the door in the closed position, an interlocking valve having pipe connections to the fluid supply and exhaust pipes for the pressure chamber, resilient means for normally holding the valve seated when the door is closed, and means for opening the valve when the door is opened.

2,596,355
LET-DOWN TYPE AUTOMOBILE TOP
John W. J. Ackermans, Detroit, Mich.
Application January 18, 1947, Serial No. 722,859
10 Claims. (Cl. 296—107)



7. In a convertible vehicle body having a generally horizontal belt line dividing the top from the lower portion of the body, front and rear seats in said body, a booth at the rear of the rear seat, a front top section comprising a rigid roof section and two pillars extending downwardly from the rear thereof, a rear top section having its lower edge lying in the plane of the belt line and its upwardly directed forward edges located laterally and outwardly from said pillars, and power means for moving said sections into said booth in nested relation, the front section inside the rear section, and for selectively returning them to upright position, said front section being operable only after said rear section is in said booth.

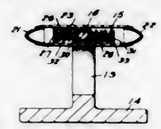
2,596,356
DOOR AND WINDOW STRUCTURE FOR CONVERTIBLE BODIES
John W. J. Ackermans, Detroit, Mich.
Original application December 22, 1947, Serial No. 793,272. Divided and this application April 21, 1951, Serial No. 222,254
10 Claims. (Cl. 296—45)



1. In a vehicle body having two side doors with slidable windows in fore-and-aft relation to each other and a pillar between the lower portions of said doors, a ventilating panel carried by one of said doors to swing therewith and positioned when said doors and panel are closed between the upper portions of said doors and above said pillar, and means for oscillating said panel on a substantially vertical axis relative to said door.

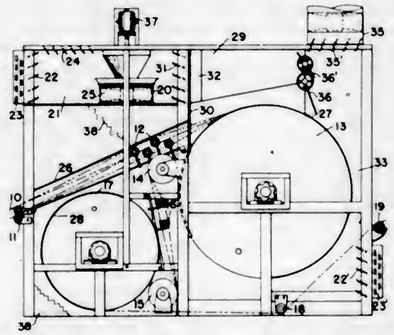
2,596,357
CUFF LINK
Olof V. Anderson, Cowesett, R. I., assignor to Anson, Inc., a corporation of Rhode Island
Application January 31, 1951, Serial No. 208,720
2 Claims. (Cl. 24—97)

1. In a cuff link, a shank having spaced arms, a pivot bar of square formation bridging said arms, a retainer head rotatably mounted on said pivot bar, and a spring assembly in said head comprising two brackets each having inner and outer ends, said brackets having their inner ends in overlapped relation with the pivot bar in-between, and a coil spring in each bracket re-



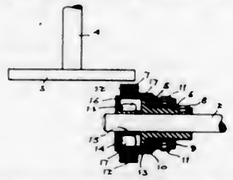
spectively engaging the bracket outer end and the overlapped inner end of the other bracket.

2,596,358
DRIER FOR SLASHERS
Gaines Lamar Ball, West Point, Ga., assignor to Batson-Cook Company, West Point, Ga., a corporation of Georgia
Application March 22 1949, Serial No. 82,789
8 Claims. (Cl. 34—68)



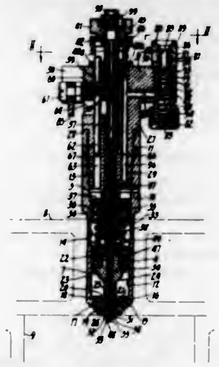
1. A dryer for slashers comprising an enclosure with means defining a drying chamber through which yarn is passed, a mixing chamber, and an exhaust channel; a heated drying cylinder within said drying chamber; means arranged to control the admission of fluid drying medium to said mixing chamber; means arranged to cause fluid drying medium from said mixing chamber to flow through the yarn within said drying chamber before the yarn reaches said drying cylinder; said drying cylinder being arranged in heat exchange relation with said fluid drying medium in said drying chamber; and means arranged to control the recirculation of fluid drying medium from said drying chamber to said mixing chamber.

2,596,359
FRICTION GEARING
Thomas Stephen Bartlett, London, Ontario, Canada
Application September 13, 1949, Serial No. 115,319
In Canada September 23, 1948
6 Claims. (Cl. 74—209)



1. A friction gearing comprising a resilient flexible expanding friction member adapted to be mounted on a drive shaft, a second friction member adapted to be mounted on a shaft to be driven by said expanding member upon expansion thereof, said resilient expanding member comprising a hub portion having an annular laterally extending peripheral friction flange portion connected integral therewith by a flexing annulus of smaller diameter and lesser cross section than said friction flange portion, slots formed in said friction flange portion extending inwardly from the outer edge thereof to said connecting annulus, and dividing said flange into a plurality of segments having their base at said annulus and adapted to expand outwardly under centrifugal force to engage said second friction member.

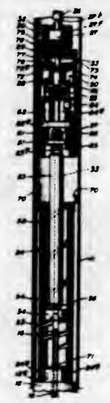
2,596,360
FUEL PUMP
Richard Stanley Blakeway, Victoria, New South Wales, Australia
Application August 6, 1948, Serial No. 42,924
In Australia September 4, 1947
7 Claims. (Cl. 103—38)



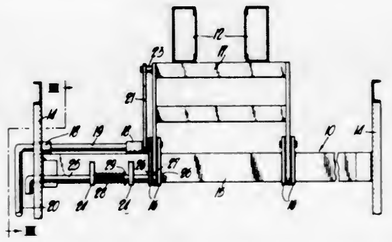
1. In a pressure operated liquid injection apparatus, a pump cylinder, a plunger reciprocable in the pump cylinder, an axially adjustable stop member in the pump cylinder to variably limit the stroke of the plunger, an axially disposed discharge duct in the plunger, means for hydraulically balancing the stop member against liquid pressure, and valvular means carried by the stop member to engage the plunger and obturate the axially disposed discharge duct.

2,596,361
DISPLACEMENT INDICATING APPARATUS
Donald W. Blancher, North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application January 23, 1950, Serial No. 140,128. Divided and this application March 19, 1951, Serial No. 216,429
3 Claims. (Cl. 177—311)

1. Apparatus for indicating the stroke characteristics of a pump plunger in a well comprising: a rod extending from said plunger; a first pair of cooperating screw elements; means securing one of said elements to said rod for reciprocation therewith and free rotation with respect thereto; the other of said screw elements being stationary for rotating said one screw element through a predetermined angle proportional to the stroke of the rod; a second pair of cooperating screw elements one of which is fixed to said one screw element of said first pair; means securing the other screw element of said second pair to said rod for rotation therewith and free reciprocation with respect thereto; said second pair of screw elements having a lesser pitch than said first pair of screw elements, whereby said other screw element of said second pair reciprocates in unison with said rod but through a stroke proportional to but less than the stroke of the rod, and means for indicating the position of said other screw element of said second pair relative to said rod.

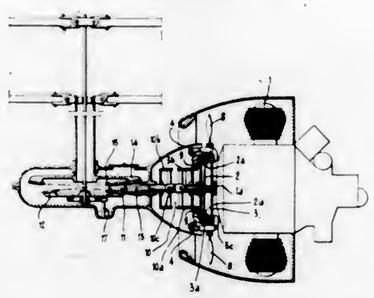


2,596,362
SAFETY DEVICE FOR CABLE TOOL DRILLING RIGS
Axel H. Brandt, Virginia, and Arthur J. Raasch, Mountain Iron, Minn.
Application February 23, 1950, Serial No. 145,636
4 Claims. (Cl. 255—11)



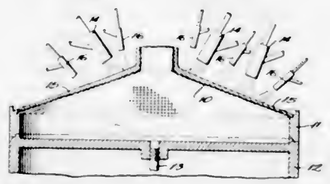
4. In a cable tool drilling rig which includes a framework and a spudding beam hinged thereto, said framework having a cross piece under said spudding beam, a safety device for locking said spudding beam in its raised position comprising a prop hinged to said cross piece and movable to an up position in which it engages and supports said beam and a down position in which it allows said beam to be raised and lowered for drilling, bearings on said cross piece, an operating shaft journaled in said bearings, a handle on the outer end of said shaft, a lever on the inner end of said shaft, means operatively connecting said lever and said prop for raising and lowering the prop on rotation of the shaft, additional bearings on said cross piece, said prop having an opening, and a latch bar slidably supported in said additional bearings and adapted to be received in said opening when said prop is in its up position for locking the prop in this position.

2,596,363
POWER TRANSMISSION MEANS FOR COAXIAL GYROPLANE ROTORS
Louis Bréguet, Paris, France
Application August 13, 1946, Serial No. 690,317
In France October 29, 1945
2 Claims. (Cl. 74—665)



1. A power transmission mechanism comprising in combination an input shaft, a driving clutch element secured on said shaft, a driven clutch element rotatably mounted on said shaft, a driven shaft, a free wheel interposed between said driven clutch element and said driven shaft for connecting them, means comprising centrifugal weights pivotally secured to said driven clutch element and weak springs interposed between said driven element and said weights, for locking said clutch in its engaged position for a predetermined speed of rotation, two bevel pinions driven from said driven shaft, two coaxial output shafts and bevel gears respectively secured to said output shafts and meshing respectively with said bevel pinions.

2,596,364
METHOD OF PREPARING A BLANK FOR A CONICALLY SHAPED DIAPHRAGM
Joseph B. Brennan, Bratenahl, Ohio
Application September 9, 1946, Serial No. 695,806
3 Claims. (Cl. 154—101)



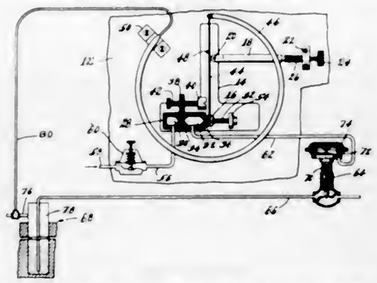
1. The method of preparing a blank for a conically shaped diaphragm comprising the steps of collecting separated fibers on a foraminous form, connected to means for evacuation, as a layer in which the fibers are haphazardly arranged in intermatted relation, and dispersing finely divided resinous binder particles with the fibers prior to their deposition whereby the binder particles collect at spaced apart points on the surfaces of the fibers, the arrangement of fibers and binder particles being such as to enable the layer subsequently to be shaped to conical form with the binder particles securing the fibers together at spaced apart points.

2,596,365
GROOVING ATTACHMENT FOR RESAWING MACHINES
James E. Bresnahan, Fitzsimons, Colo.
Application March 7, 1947, Serial No. 733,008
2 Claims. (Cl. 144—41)



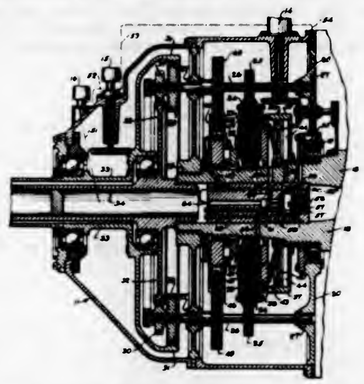
2. A base, a saw blade operatively associated therewith, two pairs of board feeding rollers mounted on the base for rotation about spaced vertical axes, the rollers of each pair being on opposite sides of the plane of the saw blade, a rigid vertical bar on each side of the saw blade rigidly attached to the base in the space between corresponding rollers of the pairs, and at least one grooving tool attached to each rigid bar, each tool having a plow point projecting through a plane tangent to the inner peripheries of the rollers on the same side, the plow point projecting in the opposite direction to that in which a board is moved by the rollers whereby a groove is gouged therein, the plow point having substantially parallel sides and being laterally inclined at an angle to said tangent plane whereby the grooves cut thereby in a board will be inclined relative to the plane of the board.

2,596,366
SNAP ACTING PNEUMATIC PRESSURE PILOT
Glenn F. Brockett, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa
Application February 19, 1946, Serial No. 648,668
3 Claims. (Cl. 137—153)



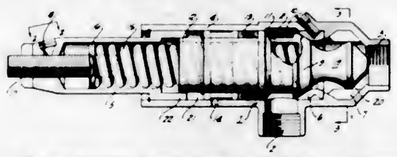
1. A device for use with a conduit system to control flow therethrough in predetermined relationship to a varying fluid pressure, said device comprising a first support, a second support swingably connected to said first support, means for adjusting the angular relationship of said two supports, a conduit having a port carried by said second support and adapted to be connected to said conduit system for discharge through said port of fluid flowing from said conduit system, a lever pivoted on said second support at a point spaced from the point where said second support is swingably connected to said first support and having an end portion swingable in opposed relationship to said port to open and close said port, a Bourdon tube having one end mounted on said first support and responsive to said varying fluid pressure, the other end of said Bourdon tube being connected to said lever adjacent the lever pivot point, and adjustable stop means carried by said second support for limiting lever movement away from said port.

2,596,367
TRANSMISSION AND ONE-WAY CLUTCH THEREFOR
Kenneth A. Browne, Lakewood, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Original application October 10, 1941, Serial No. 414,449. Divided and this application January 29, 1949, Serial No. 73,523
10 Claims. (Cl. 74—368)



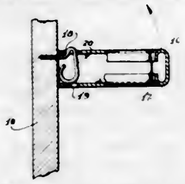
6. In a multi-speed transmission comprising means including mechanism engageable for providing a first transmission speed ratio and means including a one-way roller clutch engageable upon disengagement of said mechanism for providing a second transmission speed ratio, said one-way clutch including a pair of concentric races forming a plurality of circumferentially-spaced wedge-shaped spaces therebetween with a roller disposed in each of said spaces: the combination therewith of first means operatively connected to said mechanism and operable for effecting disengagement of said mechanism; second means operatively connected to said rollers and operable for shifting said rollers toward the small ends of their wedge shaped spaces; and means operatively interconnecting said first and second means for substantially simultaneous operation.

2,596,368
DIFFERENTIAL PRESSURE RELIEF VALVE
Ray M. Brunton, Long Beach, Calif.
Application September 24, 1949, Serial No. 117,695
2 Claims. (Cl. 137—53)



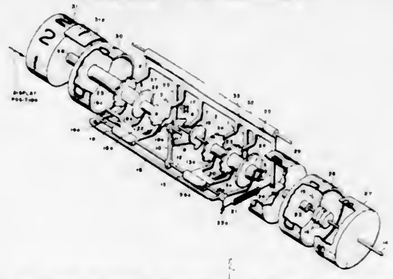
1. A differential pressure relief valve comprising a body, said body having an intake port, an outlet port, and a cylinder section, said cylinder being in alignment with the outlet port, a valve seated in the body between the intake and outlet ports, a sleeve projecting from the valve into the cylinder, packing surrounding the sleeve and bearing against the cylinder, a spring in the cylinder bearing against the valve and urging the valve towards closed position, said cylinder having vent ports therein adjacent the packing to relieve fluid back of said packing, a Venturi section projecting from the valve towards the outlet port, and a ring at the outer end of said Venturi section, guide wings on the body projecting inwardly therefrom, said ring sliding on the wings.

2,596,369
COMBINED CURTAIN ROD AND BRACKET ASSEMBLY
Stuart D. Burt, Jr., Monrovia, Calif., assignor to Drapery Hardware Company, Ltd., Monrovia, Calif., a corporation of California
Application January 10, 1951, Serial No. 205,261
2 Claims. (Cl. 211—105.2)



1. A curtain fixture including in combination a curtain rod having open ends, each of said ends being provided with an aperture in the top thereof, supporting brackets arranged to extend into the open ends of said rod, each of said brackets including a rod member having a substantially horizontally disposed threaded shank and an upwardly extending projecting portion connected to a depending inclined portion terminating in an upwardly and inwardly curved loop portion, the projection on said bracket arranged to extend through an opening in the end of said curtain rod, and the inclined portion and loop portion of said bracket arranged to be positioned within the end of the rod when the parts are assembled, said loop portion engaging the inner wall of the end of the rod so as yieldably to maintain the same in a fixed position.

2,596,370
CAM AND PAWL TRANSFER MECHANISM
George L. Bush, Flushing, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application December 28, 1949, Serial No. 135,497
3 Claims. (Cl. 235—134)



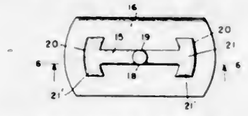
1. A mechanical movement for stepwise advancement of indicating drums in a clock, said movement comprising a ratchet wheel certain teeth of which have relatively high crests separated by shallow notches while other teeth have relatively low crests intervening between deep notches, this wheel being shaft-coupled to one of said drums, a second ratchet wheel sleeve-coupled to the other of said drums and coaxial with respect to the first said ratchet wheel, a reciprocating device having common retracting

and releasing means for operation thereof and comprising separately swivelled pawls each engageable with a respective one of said ratchet wheels, resilient means for urging said pawls into engagement with said ratchet wheels and for driving the same after pawl retraction and release, and a control arm extending from one pawl to a position of engagement with the other pawl, the one pawl being that which cooperates with the first said ratchet wheel, said control arm being effective to maintain clearance between said other pawl and its associated ratchet wheel when said one pawl is engaged in any of said shallow notches.

2,596,371
LEAD, COBALT AND MANGANESE SALTS OF 2,4,4-TRIMETHYL VALERIC ACID
Eric Chadwick, Carshalton, England, assignor to British Industrial Solvents Limited, London, England, a British company
No Drawing. Application March 1, 1951, Serial No. 213,458. In Great Britain March 11, 1950
4 Claims. (Cl. 260—429)

1. A member selected from the group consisting of the lead, cobalt and manganese salts of 2,4,4-trimethyl valeric acid.

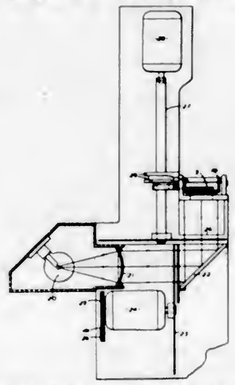
2,596,372
RAZOR BLADE HOLDER
John W. Clark, Washington, D. C.
Application September 20, 1946, Serial No. 698,234
1 Claim. (Cl. 30—70)



A safety razor having a blade holder including a guard member, a co-acting cap member, said guard member having a centrally disposed recess, said cap member having an integral longitudinally disposed central rib arranged to fit into said recess when the parts are assembled, said longitudinal rib having straight sides and terminating in transverse arms extending laterally from the end thereof, said transverse arms having curved sides concentric with the center of said longitudinal rib, said rib and arms having crowned tops curved longitudinally and laterally to facilitate insertion of the blade in proper position on the holder between said members, the crown of the longitudinal rib projecting outwardly a greater distance than the crowns of the lateral arms so that the blade initially engages the longitudinal rib and then the lateral arms in order to be accurately and precisely positioned between the members when the parts are assembled, and means for clamping the blade between said members to insure a liquid excluding contact.

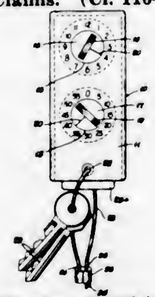
2,596,373
FILM PRINTING MACHINE
Jack Howard Coote and Arthur Philip Jenkins, London, England, assignors to Dufay-Chromex Limited, London, England, a British company
Application August 9, 1948, Serial No. 43,258
In Great Britain May 14, 1947
6 Claims. (Cl. 95—75)

1. A continuous step-contact printing machine comprising a casing, a mount for a source of light within said casing, an optical system for producing a parallel beam of light mounted in an aperture in said casing, a film exposure aperture in the path of said parallel beam of light, a first rotatable cut-off shutter so disposed as to interrupt the path of light from said source to said exposure aperture during a part of each rotation thereof, an electric motor for continuously driving said first shutter, a second rotatable cut-off shutter so disposed as to interrupt the path of light from said source to said exposure aperture during a part of each rotation thereof, an electric motor for continuously driving the second rotatable cut-off shutter in synchronism with the first shutter, a single film transport mechanism for



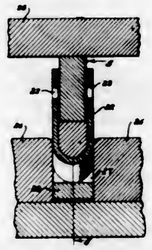
intermittently and simultaneously feeding successive frames of both a transparent photographic negative and unexposed photographic film in contact through said film exposure aperture while said beam of light is interrupted by at least one of said shutters and means responsive to an indication provided upon said negative film for varying in a predetermined manner the phase relationship of said second motor with respect to said first motor and thereby to vary between the printing of successive frames of said negative the time interval during which light passes both shutters and is incident upon successive frames of said negative.

2,596,374
TIME INDICATING KEY HOLDER
Bowie C. Crapster, Salem, Ohio
Application September 5, 1950, Serial No. 183,255
6 Claims. (Cl. 116—133)



1. A time indicator comprising a flat case having a front wall and a back wall and a pocket of substantially the same thickness as the front wall located between said walls, there being a circular opening in the front wall, said opening being of larger diameter at its inner end, a correspondingly shaped disc frictionally rotatably mounted in said opening, a plurality of numerals indicating periods of time on the front wall surrounding said opening, a radially disposed indicating marker on the disc, and a removable filler slide snugly fitting in the pocket for holding the disc in frictional contact with the opening.

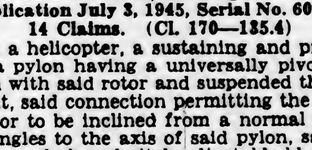
2,596,375
METHOD OF STAMPING AND ASSEMBLING MULTIPART CONDUCTOR CLAMPS
Gordon E. Daniels, Nashville, Tenn., assignor to Kerrigan Iron Works, Inc., Nashville, Tenn., a corporation of Tennessee
Application January 9, 1948, Serial No. 1,332
3 Claims. (Cl. 29—148)



1. The method of stamping and assembling a multipart conductor clamp which includes forming a sheet metal blank having a longitudinally disposed elongated body and arms extending laterally from opposite sides thereof, inserting the blank between dies shaped to form the body with a longitudinal groove having upturned sides to provide a continuous, unbroken seat for a conductor, simultaneously bending the arms upwardly and substantially parallel to each other to form suspension elements, inserting an elongated sheet metal bracket blank member having a central opening and its ends recessed to provide inwardly extending opposed lugs, between dies shaped to form the intermediate portion of the elongated blank on opposite sides of the central opening into a pair of spaced raised laterally offset spreadable portions, removing the bracket blank member from the dies and inserting it between dies shaped to spread the spaced lateral offset portions away from each other and simultaneously to bend the ends of the bracket blank into laterally disposed end flanges having the opposed lugs spaced away from each other, positioning the formed body in the space between the lateral offset portions and the end flanges, and inserting the assembled parts between dies shaped to move the lateral offset portions into engagement with the outer sides of the body and for moving the end flanges inwardly so that the lugs thereon are brought into locking engagement with the upper edges of the sides of the body to form a unitary assembly.

2,596,376
PHOTOGRAPHIC REPRODUCTION APPARATUS WITH CONSTANT EXPOSURE TIME REGARDLESS OF THE SCALE OF REPRODUCTION
Henricus J. A. de Goeij, Overveen, Netherlands, assignor, by mesne assignments, to N. V. Exploitatie Maatschappij "Quod Bonum," Amsterdam, Netherlands
Application July 28, 1948, Serial No. 41,008
In the Netherlands August 9, 1947
5 Claims. (Cl. 88—24)

1. Apparatus for the photographic reproduction of objects by means of light reflected from the object; said apparatus comprising a reproduction camera including an objective lens system, a carrier supporting said objective lens system and a holder for photosensitive material; a holder for the object to be reproduced; frame means supporting said object holder, lens system carrier and photosensitive material holder for relative movement thereof to permit focusing of an image of the object projected by said lens system on said photosensitive material holder for varied scales of reproduction; a source of



light adapted to illuminate an object in said object holder; support means for said light source positioning the latter substantially in a plane extending through the principal focus of said lens system normal to the optical axis of the latter and at the side thereof facing said object holder; and means connected to said support means operative to displace said light source in the direction substantially at right angles to said axis in proportion to changes in the distance along said axis between said principal focus and said object holder.

2,596,377
SURFACE COVERING MATERIALS
Harry Derman, Great Neck, N. Y.
Application March 6, 1948, Serial No. 13,485
7 Claims. (Cl. 117—11)

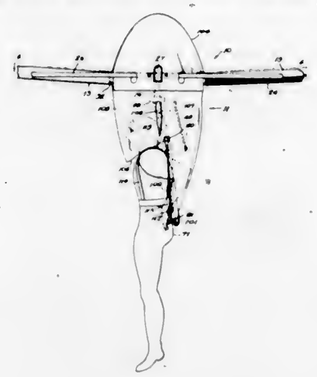


1. In surface covering paper materials having pre-sized back surfaces for attachment to a supporting surface, the sizing being deposited on the back surface of the sheet in intersecting sections, said sections intermediate pairs of aligned intersections being widely spaced one with respect to the other to form on the back of the sheet relatively large unsized areas throughout the width and length of the sheet, the deposit of the sizing on said sheet being such as to completely envelope substantially all of the unsized areas of the sheet, and the unsized areas of the sheet being embossed.

2,596,378
HELICOPTER BLADE PITCH CONTROL MECHANISM
David T. Dobbins, Los Angeles, Calif.
Application July 3, 1945, Serial No. 602,945
14 Claims. (Cl. 170—135.4)

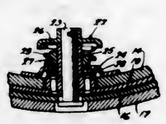
1. In a helicopter, a sustaining and propelling rotor, a pylon having a universally pivotal connection with said rotor and suspended therefrom in flight, said connection permitting the plane of the rotor to be inclined from a normal plane at right angles to the axis of said pylon, said rotor including a hub and pitch adjustable blades having universally pivotal connection with said hub, an elongated frame forming a rigid part of said hub, including means projecting from opposite sides of the pylon axis and counterweights carried by said projecting means and providing for gyroscopic stability of the plane of rotation of said frame, and means including linkage inter-

mediately connected to said frame, for transmitting pitch adjustment to said blades, whereby



said frame provides a gyroscopically stabilized fulcrum from which to adjust the pitch angle of said blades.

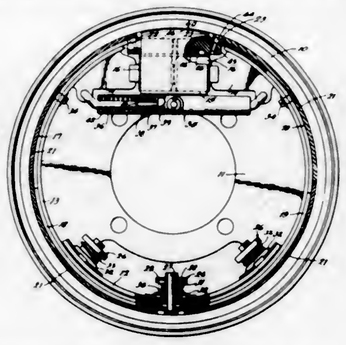
2,596,379
BRAKE
Adiel Y. Dodge, Rockford, Ill.
Application August 29, 1946, Serial No. 693,642
3 Claims. (Cl. 188—79.5)



1. A return spring device for a brake comprising a pin adapted to be connected to a movable brake element, an annular collar fitting around the pin and frictionally engaging the pin for sliding thereon in either direction, the collar having an annular groove in its periphery, a support having an opening therein through which the collar extends and which is thinner than the width of the groove in the collar to provide for limited free motion between the collar and the support, and a spring engaging the pin and the support to urge the pin in one direction relative to the support.

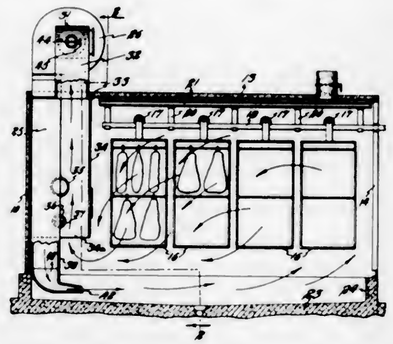
2,596,380
BRAKE WEAR TAKE-UP
Adiel Y. Dodge, Rockford, Ill.
Application July 21, 1947, Serial No. 762,507
3 Claims. (Cl. 188—79.5)

1. A brake comprising a support, a flexible operating band carried by the support, actuating means carried by the support and engaging the ends of the operating band to expand it radially, a plurality of brake segments overlying the operating band and slidable thereon to be spread radially thereby, tangentially movable abutments, means forming lost motion connections between the abutments respectively and the adjacent segment ends whereby the segments will move the abutments away from each other upon a predetermined movement of the segments, and means carried by the support and engaging the



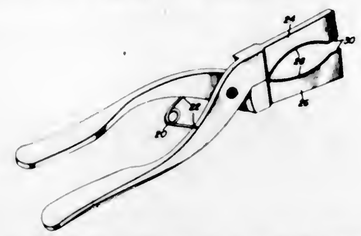
abutments to prevent the abutments from moving toward each other.

2,596,381
METHOD AND APPARATUS FOR CURING MEAT PRODUCTS
Spencer Doty, Floral Park, N. Y., assignor to Charles A. Gehnrich and Herman G. Gehnrich, doing business as Woodside Smokehouse Company, Woodside, N. Y.
Application February 19, 1949, Serial No. 77,318
4 Claims. (Cl. 99—229)



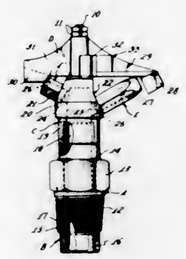
1. A method of treating meat products which comprises discharging a gaseous heating medium at relatively high velocity below into contact with and near one end of a group of the meat products disposed in spaced relation to one another in an elongated treating zone, said gaseous heating medium being discharged under sufficient pressure to travel the length of the heating zone below the group of meat products, directing the gaseous heating medium around the opposite end of the food products and in the reverse direction through said treating zone in a swirling motion so that the heating medium circulates uniformly between and around the said food products, progressively increasing the temperature of the heating medium introduced into the treating zone and finally withdrawing the heating medium near the lower portion of the treating zone adjacent the point at which the gaseous heating medium was discharged into said treating zone.

2,596,382
NUTCRACKER
Charles A. Duke, San Antonio, Tex.
Application March 14, 1950, Serial No. 149,592
1 Claim. (Cl. 146—13)



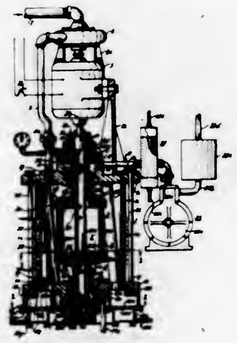
A nut cracker comprising: a pair of levers pivotally mounted with respect to each other at a point intermediate their ends, jaw means on said levers for receiving the nut to be cracked, limiting means for limiting the pivoting movement in one direction, resilient means for urging said jaws in said one direction, and sharpened straight edges at the outer ends of said jaws radially and laterally spaced at their innermost position and adapted to trim the shell off a nut, said jaw means including arcuately curved sharp edges terminating in the sharpened straight edges at the outer ends of said jaws, said limiting means consisting of a flat surface on each of said levers at positions forming radially inward surface extensions from said curved edges and cooperatively engaging each other to maintain the straight edges in spaced relation.

2,596,383
SPRINKLER HEAD
Delbert F. Dunham, Long Beach, Calif.
Application August 23, 1948, Serial No. 45,695
9 Claims. (Cl. 299—69)



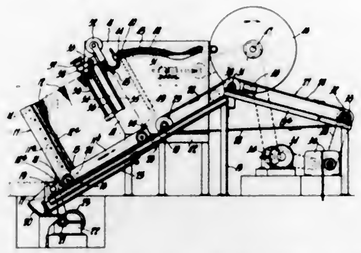
1. A sprinkler head comprising: a fixture attachable to a water outlet, a head rotatable thereon, primary and secondary nozzles radially and inclinably fixed to said head for jetting separate streams of water, an impulse member oscillatably supported on said head and having a vane disposed edgewise relative to said primary nozzle and a pair of wings reversely inclined downwardly from a central radial plane disposed adjacent the secondary nozzle, a pair of abutments on said head at opposite limits of movement of the impulse member, said impulse member having a driver movable between said abutments formed with opposite surfaces alternately engageable with said abutments, for imparting rotative motion to the head through impact with one of the abutments at the end of each forward stroke and limiting movement of the impulse member on each reverse stroke of the impulse member.

2,596,384
FILTER
Russell Paul Dunmire, Orange, Ohio
Application July 16, 1947, Serial No. 761,220
4 Claims. (Cl. 210—64)



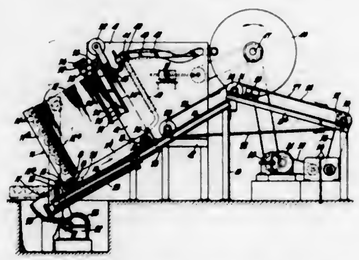
1. In a filtering apparatus, the combination of a substantially liquid tight stationary casing, consisting of upper and lower end walls and a side wall and having a material supply inlet in its upper portion and a discharge outlet in its lower portion, means for supplying the material to be filtered under pressure to said inlet, a separate liquid tight casing rotatably mounted within said stationary casing and consisting of upper and lower heads and a porous side wall through which the liquid portion of the material flows from said stationary casing into said rotatable casing, a hollow shaft extending axially through said rotatable casing and the upper and lower end walls of said stationary casing, means on the outer sides of said end walls for rotatably supporting said shaft, said shaft being connected to the heads of said rotatable casing to rotate the latter when the shaft is driven and closed at its opposite ends, a wall in said shaft adjacent the lower head of said rotatable casing for closing the opening through said shaft to provide a conduit for air and gases extending upwardly through said upper end wall and a conduit for the liquid portion of the filtrate extending downwardly through said lower end wall, the side walls of said shaft being formed within said rotatable casing and above and below said closure wall with inlet openings and between each end wall of said stationary casing and the adjacent supporting means for said shaft with outlet openings, a discharge pipe, an evacuating means for air and gases contained in the material, connections for the flow of air and gas leading from said outlet openings at the upper end portion of said shaft to said evacuating means, connections for the flow of the liquid portion of the filtrate leading from said outlet openings at the lower end portion of said shaft and connected to said discharge pipe, and means for rotating said shaft, whereby the side wall of said rotatable casing, due to rotation thereof, sets up a centrifugal force effective to accelerate the separation of the solids and particles in the supplied material from the liquid portion thereof.

2,596,385
APPARATUS FOR TURNING SHEETS DOWN SUCCESSIVELY FROM A TILTED PILE THEREOF
Klaus Egge, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application February 11, 1948, Serial No. 7,686
6 Claims. (Cl. 271—26)



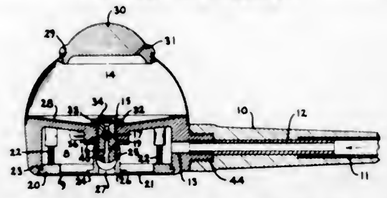
1. Apparatus for turning down sheets individually from a tilted pile comprising a guide frame at one side of the pile, an arm extending laterally from said frame on the side thereof next the pile, suction fingers spaced along said arm, means for reciprocating the arm sidewise, and a track in said frame modifying the movement of said arm, said track including an arcuate portion at the end adjacent the pile effective to cause the arm first to move angularly about an axis adjacent the lower edge of the top sheet, said track also including a reversely curved portion beyond said arcuate portion, effective to cause the arm to move away from said axis.

2,596,386
APPARATUS FOR TILTING A PILE OF MATERIAL
Klaus Egge, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Original application February 11, 1948, Serial No. 7,686. Divided and this application May 26, 1949, Serial No. 95,482
8 Claims. (Cl. 214—130)



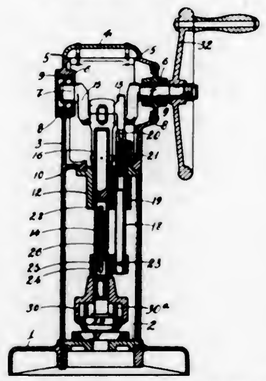
1. Apparatus for tilting a mass of material to inclined position comprising an inclined track, an L-shaped carriage adapted to travel thereon with one of its legs substantially parallel thereto, said carriage being tiltable to erect position about an axis adjacent its vertex for receiving said mass on the other leg thereof and a bearing at the lower limit of travel of the carriage adapted to arrest it and fix the position of said axis during tilting.

2,596,387
DISHWASHING SPRAY HEAD
Flora H. Ellinger, Chicago, Ill.
Application February 23, 1950, Serial No. 145,688
4 Claims. (Cl. 299—84)



2. A spraying device comprising, a fresh liquid supply chamber having an annular series of discharge openings in the lower wall thereof, an insulated gripping and manipulating handle projecting from one side of said liquid supply chamber, means for conducting liquid under pressure through said handle directly to said liquid supply chamber, a soap chamber disposed above said liquid supply chamber and sealed therefrom, means forming a passageway for conducting soap directly from said soap chamber to a point below said liquid supply chamber within said annular series of openings, a valve having a manipulating knob adjacent to said handle for opening and closing said passageway, and means intersecting said passageway below said valve for conducting a jet of liquid under pressure from said liquid supply chamber to a point exteriorly of and below said liquid supply chamber.

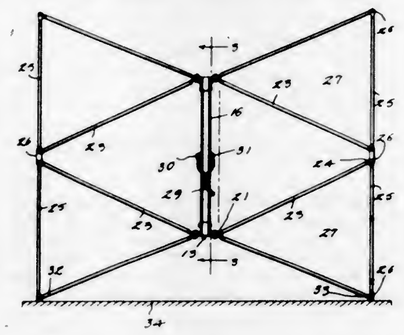
2,596,388
MACHINE FOR MOLDING PIES
Wilfred Hanson Elvis, Birmingham, England, assignor, by mesne assignments, to Concentric Manufacturing Co. Limited, Birmingham, England
Application April 26, 1947, Serial No. 744,182
In Great Britain March 21, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 21, 1966
2 Claims. (Cl. 107—15)



1. In a machine of the kind described for moulding and trimming pie bodies and the like, the combination of a ram having fixed to its lower end a moulding tool and driven at its upper end by a crank on a driving shaft, a trimming tool mounted slidably over the ram and the moulding tool and normally spring lifted to

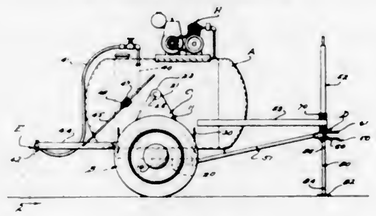
inoperative position a telescopic plunger containing a spring in compression connecting its telescoping parts and operated from a single cam on the crank and connected rigidly at its lower end to a block slidable on the ram so as to depress said block, and a spring operating in tension between the block and the ram to lift said block independently of the trimming tool after the trimming operation.

2,596,389
TELEVISION ANTENNA
Michael D. Ercolino, Wanamassa, N. J.
Application May 23, 1950, Serial No. 163,717
1 Claim. (Cl. 250—33.57)



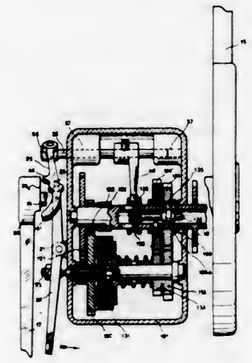
A television antenna assemblage comprising a generally rectangular support frame formed of upper and lower horizontal bars formed of non-conducting material, pairs of conducting spacer bars disposed one pair between each end of said first named bars, outwardly projecting ears at each end of said spacer bars, oppositely disposed pairs of superposed conical dipoles having the apex ends thereof inwardly, means securing said apex ends to the ears of one pair of said spacers, vertically disposed connecting members connecting the outer divergent ends of said dipoles together, a reflector means, means securing said reflector means to the ears of the other pair of spacers, and a conducting connector connected between each pair of said spacers.

2,596,390
VEHICLE WHEEL MOUNTING
Bryant Essick, Los Angeles, Calif., assignor to Essick Manufacturing Company, Los Angeles, Calif., a corporation of California
Application June 14, 1948, Serial No. 32,790
4 Claims. (Cl. 280—43)



1. A mounting for a vehicle wheel including, a wheel carrying spindle, a vertically disposed substantially triangular bracket, spaced parallel holders secured to the vehicle and extending transversely thereof in a substantially horizontal plane, and arms projecting from the base of the bracket and engaged with the holders, the bracket having vertically spaced spindle receiving parts to selectively receive and hold the spindle, one of said parts being at the base of the bracket and another being at the apex of the bracket.

2,596,391
AUXILIARY MOTOR FOR BICYCLES
Aldo Farinelli, Turin, Italy
Application November 1, 1946, Serial No. 707,239
In Italy May 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 17, 1964
2 Claims. (Cl. 180—33)



1. In combination with a bicycle having a pedal crank shaft housing, a front diagonal bar, an upwardly extending seat pillar and a rearwardly extending fork, a pedal crank shaft, left and right pedal cranks extending from the ends of the pedal crank shaft, a rear wheel carried by the rear fork and a sprocket on the rear wheel, an auxiliary motor unit comprising an internal combustion engine having a crank case, an output shaft parallel with the said pedal crankshaft, means for attaching said engine to the bicycle frame, in front of and underneath the pedal shaft housing and against the front diagonal bar, a chain sprocket carried by the engine output shaft, a chain connecting said sprocket with the rear wheel sprocket of the bicycle, a toothed wheel freely mounted on said engine output shaft, a free wheel clutch interposed between said toothed wheel and the engine output shaft, an internally toothed crown wheel on the right pedal of the bicycle, said crown wheel being directly in mesh with the toothed free wheel on the engine output shaft.

2,596,392
WINE FILTRATION
Julius H. Fessler, Berkeley, Calif.
Application May 12, 1950, Serial No. 161,718
2 Claims. (Cl. 210—203)

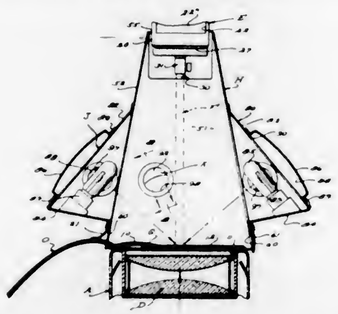
2. In a filter having a plate, a thin paper sheet on said plate and in contact therewith, a thick fibrous, felted paper sheet having one face thereon in face-to-face engagement with one face of

said thin paper sheet, and a layer of fibrous felted asbestos on the other face of said thick fibrous



sheet and of a weight of between about 0.5 and 4.0 ounces per foot of layer area.

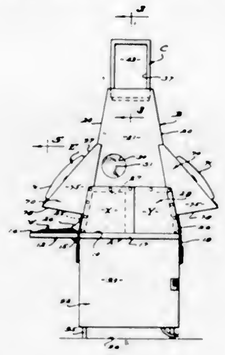
2,596,393
ATTACHMENT FOR OPAQUE PROJECTION BY TRANSPARENCY PROJECTORS
Harold G. Fitz Gerald, Los Angeles, Calif.
Application May 23, 1949, Serial No. 94,913
1 Claim. (Cl. 88—26)



An attachment for a transparency projector having a box-like body with a light passing opening in the top and a post projecting up from the body and supporting a light projecting head spaced above the opening including, a base applicable to the top of the body to rest thereon, a hood carried by the base projecting upward therefrom to the head and including a back, a front with a hand hole therein and sides with access openings therein, flexible closures carried by the hood normally closing the hole and opening, illuminating means carried by the hood directing light to illuminate an object on the base so reflected light therefrom passes to the head, and cooling means delivering cooling air into the hood including a motor driven blower carried by one side of the body and ducts delivering air from the blower to the hood through the back thereof and onto the illuminating means.

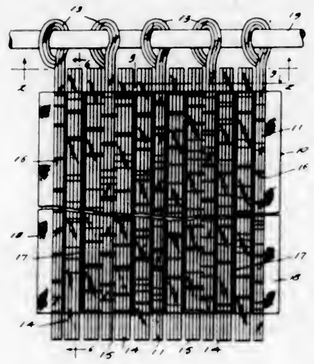
2,596,394
OPAQUE PROJECTOR WITH LIGHT HOOD
Harold G. Fitz Gerald, Los Angeles, Calif.
Application May 23, 1949, Serial No. 94,914
2 Claims. (Cl. 88—26)

1. A structure of the character described including, a rigid box-like body having a top forming a horizontal work holder, an upwardly convergent rigid hood carried by the body and projecting upward from the holder, the hood having a front wall with a hand hole, and side walls with outwardly projecting extensions, there being work passing openings in the side walls below said extensions and adjacent the holder, a reflector at



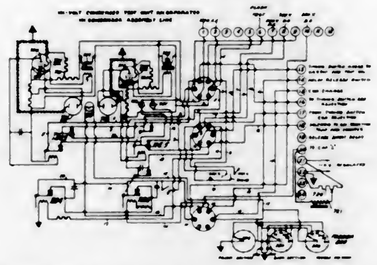
each extension facing the holder, a lamp in each extension, a light projecting unit at the upper end of the hood receiving reflected light from work on the holder, and cooling means including a fan in the body and a duct receiving air from the fan and directing it into the hood.

2,596,395
CURTAIN AND METHOD OF MAKING THE SAME
Ethel I. Fitz Gibbon, Pontiac, Mich.
Application March 15, 1950, Serial No. 149,684
4 Claims. (Cl. 160—124)



1. An article of manufacture comprised of a plurality of aligned substantially parallel strips of translucent material adapted to form a vertically positioned woof of a curtain, certain of said strips being of greater length than others and having rod engaging loops formed at the upper ends thereof, a plurality of warp threads woven about said strip to hold the same in aligned foldable relation and adhesive means securing said strips against vertical movement relative to said warp threads, said vertical strips being provided with a plurality of longitudinally extending parallel grooves providing light refractive elongated facets.

2,596,396
CONDENSER TESTING SYSTEM
Floyd J. Foust, Willard C. Shaw, Hilton J. McKee, Warren M. Rider and James S. Burge, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 29, 1946, Serial No. 686,964
7 Claims. (Cl. 175—183)



3. Condenser test apparatus having a connection to be made with the condenser to be tested, a connection with a high voltage D. C. source, a resonant circuit including the condenser to be tested, an inductance, an A. C. source and a device sensitive to the amount of current passed by the condenser when connected into the resonant circuit, a first instrument under control by the device and which will pass current when the condenser passes at least a minimum current corresponding to a minimum allowable capacity of the condenser, a second instrument under control by said device and which will pass current when the condenser passes more than a maximum current corresponding to a maximum allowable capacity of the condenser, a mechanism for making an electrical connection of the condenser with the test apparatus during the test cycle, a mechanism for making an electrical connection through the test apparatus with a high voltage D. C. source for the short circuit test, a first relay energized in response to the condenser passing appreciable direct current during condenser charge, said second mechanism making electrical connection to effect discharge of the condenser after the short circuit test period, a second relay which is energized provided the first relay is not energized and provided the condenser discharge is satisfactory, a third mechanism for connecting the condenser into the resonant circuit, a third relay energized by current passed by the third instrument, a fourth relay energized by current passed by the fourth instrument, a mechanism which, by its operation, indicates failure of the condenser to pass tests, an electromagnet which, if energized, prevents operation of the mechanism last mentioned, a circuit connecting the electromagnet with a current source which is established by non-operation of the first and fourth relays and by operation of the second and third relays, and means for operating the mechanisms in timed relation.

2,596,397
SUN VISOR
James W. Greig and Arthur P. Fletcher, Detroit, Mich., assignors to Woodall Industries, Inc., Detroit, Mich., a corporation of Michigan
Application October 27, 1948, Serial No. 56,877
2 Claims. (Cl. 296—97)

1. In a sun visor, a rod-like support, a visor blade having an arcuate marginal portion shaped to extend along and embrace one side of the support, an arcuate shoe of the same general shape as said arcuate marginal portion shaped to extend along and embrace the opposite side of the support, a split cylindrical sleeve extending along



over both said arcuate portion and said shoe holding both grippingly and frictionally against the support mounting the blade thereon for rotation thereabout and adapted to maintain the blade at adjusted positions of rotation about the support.

2,596,398
WAVE GUIDE ROTARY JOINT
Robert C. Habich, Port Washington, N. Y., assignor to The Norden Laboratories Corporation, White Plains, N. Y., a corporation of Connecticut
Application November 4, 1949, Serial No. 125,602
8 Claims. (Cl. 178—44)

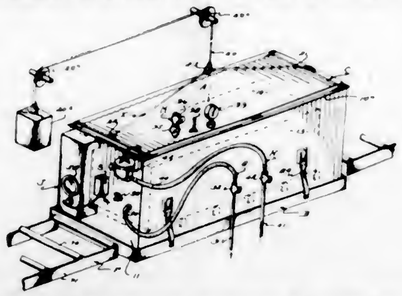


1. A microwave guide rotary joint including in combination an input wave guide of rectangular cross-sectional shape, a transmission wave guide of circular cross-sectional shape having its axis disposed at right angles to the axis of the input wave guide, an output wave guide of rectangular cross-sectional shape, an input mode transformer positioned in the transmission system between the input wave guide and the circular wave guide, an output mode transformer positioned between the circular wave guide and the output wave guide, each of the mode transformers being formed with an exciting surface lying along the interior side of a cone converging in a direction away from an intermediate plane transverse to the axis of the circular wave guide and means for permitting relative rotation of an upper portion of the circular wave guide with respect to a lower portion thereof.

2,596,399
FIRE EXTINGUISHING APPARATUS
Harry R. Hammett, Bakersfield, Calif.
Application February 16, 1950, Serial No. 143,396
4 Claims. (Cl. 169—2)

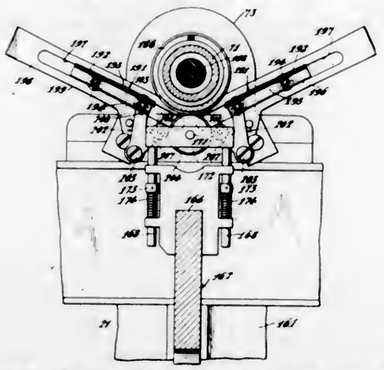
1. Fire extinguishing apparatus including, a container having two separable sections defining a chamber adapted to carry combustible material, one section being a base and the other a hood, and sealing means sealing between the sections when the hood is engaged on the base, and means

consuming oxygen in the container including, a combustion chamber supported by and in communication with the container and a burner op-



erating in the chamber to consume oxygen from the container, the burner being adapted to generate a flame confined to the chamber and removed from the chamber of the container.

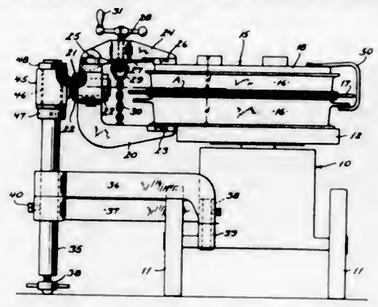
2,596,400
SEALED EDGE SLITTING MACHINE
Edward Fiske Hill, Ridgewood, N. J.
Application April 2, 1949, Serial No. 85,215
9 Claims. (Cl. 164—65)



1. In a device of the type described for forming a plurality of strips or ribbons from a web or sheet of fabric containing at least in part yarns, threads or filaments of thermoplastic or organic derivatives of cellulose, a plurality of heated rotatable circular knife-edged severing discs, means for moving said fabric in the direction of its length relative to said discs, a plurality of pressure rollers movable toward and away from said discs for pressing said fabric into engagement with said discs, heat shielding means and means for interposing said shielding means between the fabric and said heated severing discs on movement of said pressure rollers away from said discs.

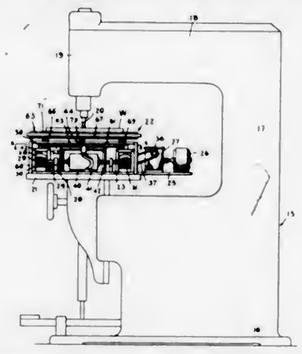
2,596,401
FLASK HANDLING DEVICE
Russell J. Hines, Lakewood, Ohio, assignor, by mesne assignments, to Hines Flask Company, Cleveland, Ohio, a corporation of Ohio
Application September 27, 1947, Serial No. 776,552
2 Claims. (Cl. 214—1)

1. The combination of a vertical post, a sleeve rotatably embracing the post and provided with a horizontal stud rigid therewith, an L-shaped jaw having a vertical arm swiveled on the stud, the other arm projecting away from the post, a second jaw pivoted to the L-shaped jaw on the opposite side from said projecting arm, one of the jaws having a threaded aperture extending



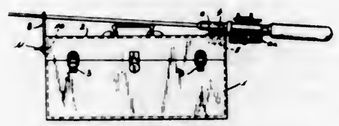
therethrough, a screw shaft in threaded engagement with the aperture having a crank at the outer end thereof, and a chain including a swivel attached at one end to the inner end of the screw shaft and at the other end to the opposing jaw.

2,596,402
MOTION PRODUCING MECHANISM FOR WOODWORKING MACHINES
Olar T. Hinton, Jr., Pickens, S. C.
Application March 28, 1949, Serial No. 83,945
2 Claims. (Cl. 144—143)



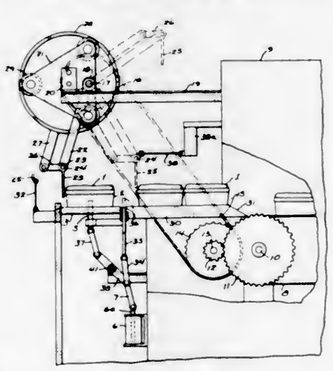
2. Motion producing mechanism, comprising a support, a rectangular group of shafts rotatably mounted upon the support in end to end relation, driving connecting means mounted upon adjacent ends of the shafts so that all of the shafts may rotate in unison, means for driving one shaft of the group, opposed pairs of cams secured to the shafts for rotation therewith, the cams of each opposed pair having substantially identical peripheral grooves formed therein, guide rods mounted upon the support and arranged above the cams and substantially parallel to the axes of rotation of the cams, blocks slidably mounted upon the guide rods and having elements to engage in the grooves of the cams, connecting rods secured to the blocks of each opposed pair of cams, the connecting rods crossing, and a central block having bores to slidably receive the connecting rods and shiftable by the connecting rods upon rotation of the cams.

2,596,403
FISHING ROD HOLDER
Lester Hoffman, Birdsboro, Pa.
Application June 14, 1950, Serial No. 168,043
4 Claims. (Cl. 43—21.2)



1. A fishing-rod holder for attachment to a base member comprising the lid of a fishing tackle box, comprising a sheet metal extension having a cup-like depression therein adapted to extend beyond said base member and including a perforated top plate, detachable fastening means for securing said holder to a portion of said base member in a manner so as to support the extension so that the cup-like depression is immediately beyond one end of said lid, a second holder adapted to extend vertically at the opposite end of said lid and having a notched top portion for receiving an intermediate portion of the fishing rod, and detachable fastening means for supporting said second holder at said opposite end of the lid whereby a fishing rod reel on said fishing rod may be inserted in the cup-like depression and held in a tilted position by said rod received in said notched top portion.

2,596,404
BAKING OVEN LOADING APPARATUS
Austin A. Holbeck, Detroit, Mich.
Application January 4, 1951, Serial No. 204,434
9 Claims. (Cl. 198—31)



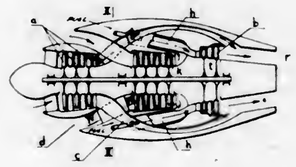
1. Baking oven loading apparatus having in combination, a carrier onto which a line of baking pans and products to be baked can be brought to the mouth of the oven, a guard rail on the oven side of said carrier, said guard rail movable up and down, means for pushing a line of baking pans and products to be baked toward the mouth of the oven, a stop member that can be raised just before the pushing apparatus starts to push to prevent further pans being brought in front of the oven, and means operated by the pushing means for coincidentally pulling down the guard rail and pushing up the stop member just as the pushing means starts to push the line of pans and products to be baked toward the oven.

2,596,405
JEWELRY CLASP
Karl F. Hoeckele, Newark, N. J., assignor to Eastern Jewelry Finding Works, Inc., a corporation of New Jersey
Application December 18, 1947, Serial No. 792,417
1 Claim. (Cl. 24—241)



A clasp construction comprising a housing having an upper wall and depending parallel sides, the upper wall extending forwardly beyond the sides and arcuately curved to provide an end hook, a U-shaped flat spring mounted between the side walls of the housing with an upper flat portion contacting the lower surface of the housing upper wall and a lower flat portion closing the space between the depending sides, and a cover having an upper wall extending over the upper wall of the housing, an arcuate forward end adapted to snap over the end hook, and a depending rear end forming an end hook and having a forwardly extending portion pivoted in the rear ends of the housing sides, said forwardly extending portion contacting the lower flat portion of the spring.

2,596,406
REACTION JET AIRCRAFT PROPELLER WITH TWO AIR CIRCUITS
Roger J. Imbert, Paris, France, assignor to Societe Rateau (Société Anonyme), Paris, France, a company of France, and René Anxionnaz, Paris, France, jointly
Application January 27, 1948, Serial No. 4,482
In France February 6, 1947
2 Claims. (Cl. 60—35.6)



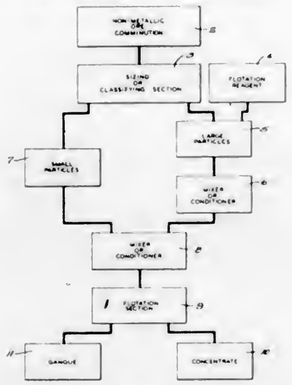
1. In a double flow jet propeller comprising a jet reaction system including a nozzle, heating means ahead of said nozzle, and a main air compressor sucking atmospheric air and delivering it towards said heating means and said nozzle, the provision of an auxiliary air compressor sucking atmospheric air and the suction end of which is separate from that of the main compressor, said auxiliary compressor being adapted to feed directly the reaction jet nozzle in by-pass condition with reference to the main flux for diluting same, power means for driving both the main reaction jet feeding compressor and the auxiliary compressor, channels connecting the auxiliary compressor delivery with the reaction jet nozzle, and suction channels feeding the suction end of the main compressor and crossing the last-mentioned channels, the channels of one series allowing the passage between them of the flux passing through the other channels.

2,596,407

CONCENTRATION OF NONMETALLIC MINERALS BY FLOTATION

Richard I. Jackson, Perrysburg, Ohio, assignor to International Minerals & Chemical Corporation, a corporation of New York

Application March 22, 1949, Serial No. 82,912
15 Claims. (Cl. 241—20)



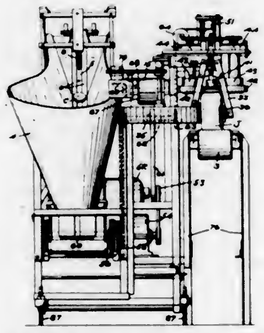
1. In a process for the flotation concentration of nonmetallic ore, the improvements comprising dividing said ore into at least two fractions, one of which is of relatively large particles and the other of which is of relatively small particles, preparing an aqueous high solids pulp of large particled material, conditioning the latter with reagent having an affinity for the mineral value in said ore, subsequently adding the unreagentized small particled material to the pulp conditioned for flotation and prior to subjecting the pulp to any flotation, conditioning the resulting mixture, and then initially subjecting the conditioned pulp of the combined ore fractions to flotation.

2,596,408

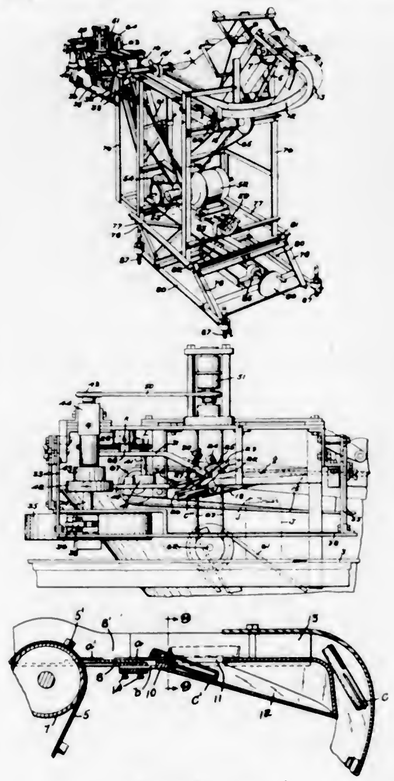
MEANS FOR SCREW-TIGHTENING CAPS ON JARS BY FRICTIONAL PRESSURE WHICH DIMINISHES AS TIGHTENING PROCEEDS

Fred J. Johnson, Fred J. Johnson, Jr., and Robert L. Johnson, Needham Heights, Mass., assignors to The Kinex Company, Needham Heights, Mass., a corporation of Massachusetts

Application April 8, 1948, Serial No. 19,676
9 Claims. (Cl. 226—88)

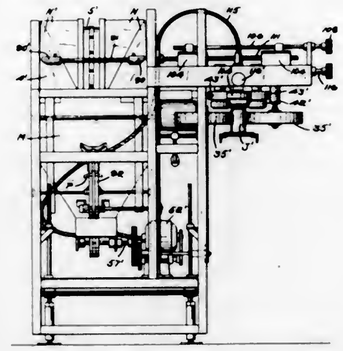


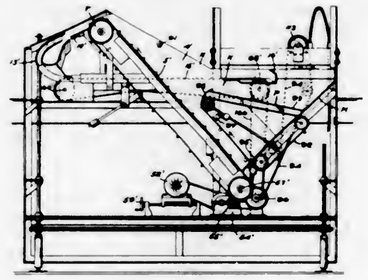
1. In a jar capping machine, the combination of a conveyor for feeding a series of open top jars through a capping station, means for feeding a series of jar caps in a line to said capping station, additional means for supporting the foremost cap in said line at said station with its forward edge tipped down in position to be engaged by the forward edge of the foremost jar in said series, said feeding means for the caps including a guideway for them and a gate near the end of said guideway including movable stop means arranged to be actuated by the foremost cap to stop the next cap behind it but to release the latter cap when the foremost cap is carried out of the guideway by a jar.

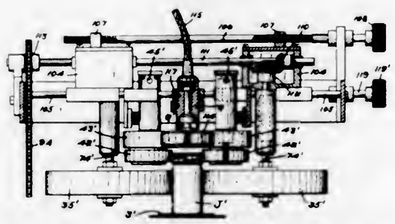




7. In a jar capping machine, the combination of cap delivering mechanism comprising a hopper for supporting a loose mass of screw-type jar caps, a flexible conveyor running through said hopper and provided with parts operative to pick up the caps and carry them, one at a time, out of the hopper, a guideway to which the caps are delivered and which conducts them to the capping station, said guideway including a movable stop element cooperating therewith to selectively advance caps therealong and means between said conveyor and said station for upending those caps which are upside down and thereby reversing them.







9. That improvement in methods of applying screw caps to jars comprising the steps of locating a cap on a jar in such registered relation as to permit the cap to be threaded on to the jar, guiding the jar and cap along a substantially horizontal path, and subjecting the cap while supported on the guided jar to a rotary frictional driving force which varies in intensity inversely with tightening of the cap as it becomes threaded on the jar.

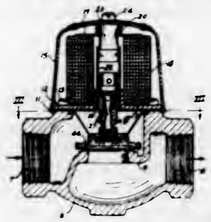
2,596,409

SOLENOID GAS VALVE

Roy W. Johnson, Cedric E. Zarwell, and Lourdes V. McCarty, Milwaukee, Wis., assignors to A P Controls Corporation, a corporation of Wisconsin

Application March 14, 1947, Serial No. 734,836
4 Claims. (Cl. 137—139)

1. A valve having a casing provided with inlet and outlet ports, a valve seat between the ports, a solenoid mounted on the casing, an armature on the casing operated by the solenoid, valve means adapted to cooperate with the seat to regulate flow through the casing, a porous member connected to the valve means and to the casing to enclose the armature to filter the fluid contacting the armature, the degree of porosity of said member being such as to inhibit the free flow of fluid therethrough and to create a dash-pot action when the valve is moved, and means operatively connecting the valve means to the armature for movement thereby when the solenoid is energized, said solenoid, when the valve is in service, being incapable of moving the valve and associated porous member due to said dash-pot action, said connecting means between the valve and armature including means permitting relative differential movement therebetween when the solenoid is energized and means for storing energy during a portion of the movement of the armature relative to the valve, the energy so stored being sufficient when released to move the valve and associated porous member.

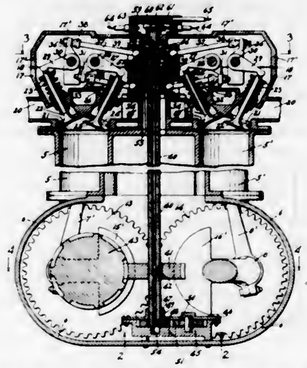


2,596,410

INTERNAL-COMBUSTION ENGINE

Le Grand L. Jordan, Los Angeles, Calif.

Application December 26, 1947, Serial No. 793,949
5 Claims. (Cl. 123—52)



1. In an internal combustion engine, four cylinders arranged in pairs, a two-part cylinder head thereon, a common fuel supply pipe connected with the lower part of said cylinder head between said pairs of cylinders, intake and exhaust chambers formed in the lower part of said cylinder head, a centrally disposed cam shaft between said pairs of cylinders and parallel therewith, two cams on the upper end of said cam shaft, to turn therewith, and positioned in said cylinder head, above said supply pipe connection, intake and exhaust valve seats for each cylinder in planes at angles to each other, at the juncture of said cylinder head with said cylinder, two valves having angularly disposed valve stems

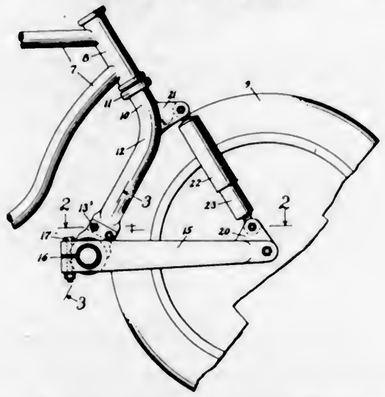
on said valve seats, for each cylinder, two parallel bearing shafts above each cylinder, in said cylinder head, a rocker arm on each shaft for each cylinder with its free end operatively bearing on the stem of one of said valves, an operating finger on each shaft, a push rod extended from each finger and operatively connected to be actuated by one of said cams on said cam shaft, a crank case connected with the cylinders, two cranks in said case geared together, said cam shaft being extended into said crank case at its lower end and connected to be driven from one of said cranks.

2,596,411

MOTORCYCLE AND ITS FRONT STEERING FORK

Eugene H. Jordan, Los Angeles, Calif.

Application December 26, 1947, Serial No. 794,003
4 Claims. (Cl. 280—276)



1. In a motorcycle, the combination with a frame and wheel on which said frame is supported, of means interposed between said frame and said wheel for providing resiliency therebetween, said means including two rigid horizontal arms extending from the opposite ends of the wheel axle rearwardly along the opposite sides of said wheel and connected together rearwardly of said wheel, a rigid inclined fork member rotatable at its upper end in the frame head with its forks extended rearwardly and connected with the rearward portions of said horizontal arms, and a pivotal connection between the ends of the forks of said rigid inclined fork member and said horizontal arms, said connection including as a part thereof means causing resilient torsional resistance to relative pivotal movement of said member and arms.

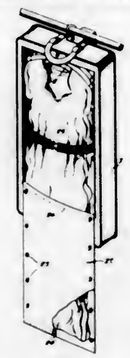
2,596,412

WARDROBE TYPE FOLDABLE LUGGAGE BAG

Michael Kish, Jr., Hightstown, and John Robert McNeil, Lawrenceville, N. J., and Edgar Kirby, Washington, D. C., assignors to Atlantic Products Corporation, Trenton, N. J., a corporation of New Jersey

Application September 28, 1948, Serial No. 51,512
3 Claims. (Cl. 190—43)

1. A folding wardrobe luggage bag comprising, in combination, an inner panel and an outer panel, a gusset connected to corresponding side and end edges of said panels and spacing said panels to form a garment compartment enclosed thereby, a flap formed in said inner panel and providing access to said compartment, fasteners for securing the side edges of said flap to the adjacent edges of said panel, and an apron positioned on the inside wall of said flap, said apron



being substantially co-extensive with said flap, and secured to said flap along the side edges thereof to enclose lower ends of garments in the space between the apron and the flap.

2,596,413

VENETIAN BLIND

Walter Cameron Kincaid, Pueblo County, Colo.

Application June 24, 1949, Serial No. 101,117
3 Claims. (Cl. 160—166)



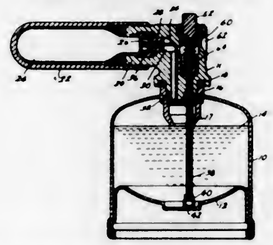
1. A window blind of the Venetian type for use in a window frame with vertical sides, the combination with said frame of a pair of brackets attached to the sides near their upper ends, a second pair of brackets attached to the sides near their lower ends the upper pair having notches on top, the lower pair being elongated and provided with notches in their lower ends and also along one vertical edge, a tilt rail having pivots resting in the notches in the tops of the upper brackets, a lift rail having pivots at its ends for engagement with the notches in the lower ends of the lower brackets, four tension springs attached in pairs to the edges of the tilt rail adjacent the ends thereof, a slat tilting member attached to the lower end of each spring with their lower ends connected with the lift rail in a manner to effect simultaneous equal angular tilting of the rails, a plurality of spaced slats supported in parallel relation between the tilting members, the length of the springs, the tilting members and the distance between the notches in the lower ends of the lower brackets and the notches in the upper brackets being greater than the distance between the pivots on the rails whereby the tension in the springs will be increased when the lifting rail is pivoted in the end notches of the lower brackets.

2,596,414

AEROSOL BOMB VALVE

Robert Stephen Knapp, St. Louis, Mo., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application September 18, 1946, Serial No. 697,803
3 Claims. (Cl. 251—78)



1. In a valve structure of the character disclosed, a capillary tube, a head, a syphon tube carried by said head in which said capillary tube is slidably mounted, said syphon tube being adapted to extend from within a container, packing means between said syphon tube and said capillary tube, said capillary tube having a closed inner end, an opening adapted to be selectively positioned outside or inside said packing means and a curved outer end, means for sliding said capillary tube outwardly relative to said syphon tube with said opening outside of said packing means, and a push button for sliding the capillary tube inwardly to a position with said opening inside said packing means by manual pressure, said head having a shallow cone-shaped depression provided with a slot in which said curved end travels from an outer deep end of the slot to a shallow inner end thereof when moved from valve closed to valve open position and being countersunk in said slot in the valve closed position.

2,596,415

SPRAYING DEVICE

William B. Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application February 21, 1949, Serial No. 77,530
1 Claim. (Cl. 299—95)



A spraying device comprising an annular body member, a stem movably axially therein, said annular body member having formed internally at one end thereof means for connecting therewithin the neck of a liquid containing pressure bulb having a puncturable diaphragm across the top thereof, a stop member within said annular body located inwardly of said connecting means, said stop member presenting an annular seat adapted to have positioned adjacent therewith the puncturable diaphragm of said pressure bulb, the inner end of said stem being pointed for puncturing said diaphragm, said stem carrying a gasket of finite thickness spaced from the inner pointed end of said stem, portions of the stem overlapping portions of the gasket on both sides of the gasket, whereby the gasket is fixed axially on the stem, said body member having a shoulder spaced axially from said stop member and between said stop member and said gasket and adapted to have said gasket seal thereagainst, said body member having a discharge orifice spaced axially from said stop member and spaced in the same direction axially beyond said shoulder a distance at least as great as the thickness of said gasket, the spacing of said discharge orifice from said annular seat of the stop member being greater than the spacing of the innermost portion of the gasket from the inner pointed end of said stem, whereby said discharge orifice is covered by said gasket at the beginning of a puncturing operation of said diaphragm and thereby sealed off from communication with the bulb until subsequently uncovered by outward movement of said stem to permit the discharge of liquid from said bulb.

2,596,416

HINGE FOR DOORS AND SWINGABLE CLOSURES

Frank J. Kornmayer, Chicago, Ill.

Application November 20, 1947, Serial No. 787,192
1 Claim. (Cl. 16—128)



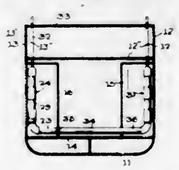
As a new article of manufacture, a relatively narrow rectangular leaf having pintle accommodation knuckles provided along one longitudinal edge, and having flat right angularly disposed attaching tongues formed along the opposite longitudinal edge, said attaching tongues being in the form of flat extensions provided with screw holes to accommodate wood screws, and a hollow substantially semi-cylindrical adapter for each extension, said adapter being of a length commensurate with the length of the complemental extension and having the screw holes lined up with the first-named screw holes in order that the screws which serve to secure the tongues and adapters to a door also serve to hold the adapters superimposed on the tongues.

2,596,417

FLOODING CONTROL FOR SHIPS

William Ross Laurenson, Falls Church, Va.

Application December 8, 1949, Serial No. 131,892
9 Claims. (Cl. 114—125)



3. In a ship having a pair of side tanks, one on either side of the ship, damage-activated flooding control apparatus comprising pipe means interconnecting said tanks, and frangible means

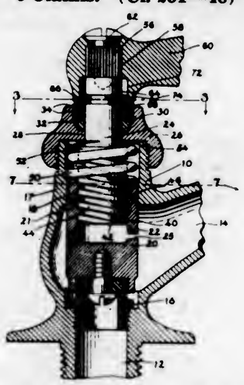
adjacent the outer wall of one of said tanks normally closing said pipe means and responsive to a force rupturing said outer wall to open said pipe means.

2,596,418
CALORIE CALCULATOR
Henry Leiser, Denver, Colo.
Application June 2, 1950, Serial No. 165,741
2 Claims. (Cl. 235—83)



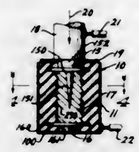
1. A calorie totaler comprising: a backing card; a front card mounted on said backing card; a calculating disc provided with a peripheral series of graduations positioned between both cards; an index edge on said front card over said graduations and against which said graduations may be read; a pivot member rotatably mounting said disc to said cards, said disc projecting for substantially one-half its area beyond the extremities of the cards; a pointer mounted on said pivot member and extending oppositely outward from the latter over both sides of said disc; a plurality of pages hingedly bound to said top card and adapted to overlie one extremity of said pointer and one edge of said disc, each of the pages being imprinted with a columnar list with which the extremity of the pointer may be aligned; and a stop member projecting from said front card into the path of said pointer to stop the latter at a predetermined point.

2,596,419
FAUCET
Earl W. Lowe, Decatur, Ill., and Emmett M. Reedy, Los Angeles, Calif., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application December 29, 1945, Serial No. 637,896
6 Claims. (Cl. 251—48)



1. A faucet comprising a body having an internal valve seat and a chamber in axial alignment with said seat, a bonnet closing the outer end of said chamber having a valve stem opening therethrough, a rigid one piece valve member mounted for axial movement in said chamber from and toward said seat and having means for restraining it against lateral movement and axial rotation therein, a spring between said bonnet and said valve member which directly engages and urges the latter toward its seat, a valve operating stem passing through the opening in said bonnet, means on said valve stem for securing same against any substantial axial movement through said opening, said valve member having threads and grooves which engage cooperating threads and grooves on said stem to move said valve member toward and from its seat upon rotation of said stem, said threads being of substantially less thickness than the cooperating grooves in which they move, whereby said valve member is capable of an independent and substantial axial movement relative to said stem and toward said seat and may be held on its seat solely by the pressure exerted by said spring.

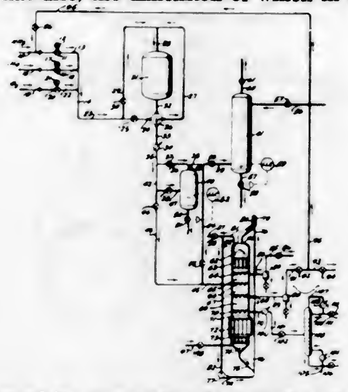
2,596,420
RHEOSTATIC SWITCH
Robert W. McGarvey, Detroit, Mich., assignor to Victor A. Wicks and Ford J. Dupure, both of Dearborn, Mich.
Application August 10, 1950, Serial No. 178,674
2 Claims. (Cl. 201—51)



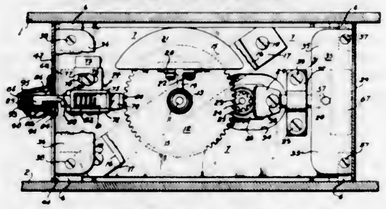
1. A rheostatic switch comprising a capsule, a resilient compressible element having an aperture axially therethrough disposed in the said capsule, a pair of contacts disposed in axial spaced relationship in said resilient compressible element, one of said contacts including an axially tapered contact point disposed toward the other contact whereby to contact the same when the said resilient compressible element is axially compressed, and finely ground carbon disposed in the said axially disposed aperture in the resilient compressible element between the said contacts, the inner surface of the said resilient compressible element at the axial bore therethrough between the said contacts being provided with a plurality of deformations between the said contacts whereby to mechanically engage and activate and cause turbulence in the said carbon granules and prevent caking thereof during axial compression and expansion of the said resilient compressible element.

2,596,421
FLAME SYNTHESIS OF HYDROGEN CYANIDE
Art C. McKinnis, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application April 12, 1948, Serial No. 20,489
7 Claims. (Cl. 23—151)

1. A process for the production of hydrogen cyanide which comprises forming a reactant gas mixture essentially comprising between about 10 and about 17 per cent by volume of ammonia, between about 1 and about 15 per cent by volume of a hydrocarbon containing up to 6 carbon atoms and between about 10 and about 20 per cent by volume of oxygen in the form of air; passing said mixture into a synthesis flame maintained by the combustion of said mixture; burning a combustible gas mixture comprising a hydrocarbon and oxygen to form an auxiliary flame surrounding said synthesis flame, whereby said synthesis flame is caused to take the form of a thin flat disc, the dimension of which in the direction of its propagation is such that the time of passage of the reactant gas mixture through said synthesis flame is less than about 1×10^{-4} second; and cooling the product gas to a temperature below that at which substantial reaction occurs immediately after its formation in said synthesis flame.



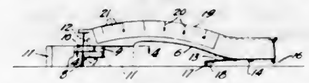
2,596,422
LEVEL AND INCLINOMETER
Barnet Miller, Hartford, Conn.
Application January 10, 1950, Serial No. 137,771
5 Claims. (Cl. 33—221)



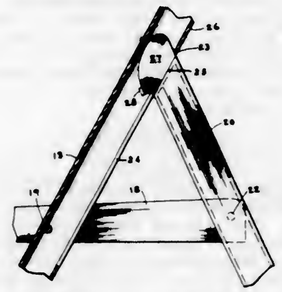
1. An inclinometer comprising a body member having a plane surface adapted to serve as a measuring surface, a shaft journalled on said body, a weight eccentrically mounted on said shaft, a drive gear mounted on said shaft, a smaller gear engaging said drive gear, said smaller gear mounted on another shaft journalled in a carrying member mounted at the end of an elongated circular bar extending at right angles to the axes of rotation of said gears, said bar being slidably and rotatably adjustable in a clamp mounted on said body member, an indicating pointer carried by each of said shafts, and a scale on said body adjacent each of said pointers.

2,596,423
PLANIMETER
Clifford O. Miller, Minneapolis, and Eugene A. Behmer, St. Paul, Minn.; said Behmer assignor of one-tenth to Walter C. Manthey, St. Paul, Minn.
Application October 27, 1948, Serial No. 56,702
3 Claims. (Cl. 33—122)

1. A planimeter comprising a body member, a computing point fixed at one end of said body member in depending relation thereto, a perimeter follower mounted in fixed depending relation at the other end of said body member, a resilient arm mounted to the end of said portion of said body adjacent said computing point and extending inwardly along said body toward said perimeter follower, a fulcrum fixed in depending relation at the inner end of said resilient arm for normally supporting said computing point in an elevated position and said body having a recess under said spring arm to permit upward swinging movement thereof and thereby permitting said marker point to be pressed downwardly into marking relation.



2,596,424
FOLDING CHAIR
Glenn B. Morse, Grand Rapids, Mich., assignor to Ionia Manufacturing Company, Ionia, Mich., a corporation of Michigan
Application August 29, 1949, Serial No. 112,850
9 Claims. (Cl. 155—142)



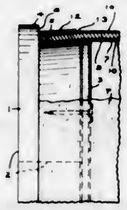
2. A folding chair comprising a seat, front legs pivoted at intermediate side portions of said seat, said legs containing axial slots opening rearwardly thereof, rear legs pivoted at rearwardly disposed side portions of said seat, said rear legs having end portions rigid therewith slidably received in said slots, retaining means carried by said end portions preventing their withdrawal from said slots, and bearing surfaces carried by said front and rear legs for engagement when said chair is extended.

2,596,425
METHOD OF INHIBITING HYDROGEN SULFIDE CORROSION OF METALS
Melvin I. Moyer, Lawrence, Kans., and Joseph M. Hersh, Forest Hills, N. Y., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Original application September 11, 1947, Serial No. 773,506. Divided and this application May 10, 1949, Serial No. 92,504
2 Claims. (Cl. 252—8.55)

1. The process of inhibiting corrosion of metal oil well equipment which comprises introducing into an oil well brine containing dissolved hydrogen sulfide, at a point near a producing horizon of the well, a small proportion of the reaction product of one mol of monoethanol amine and one mol of formaldehyde, the quantity of

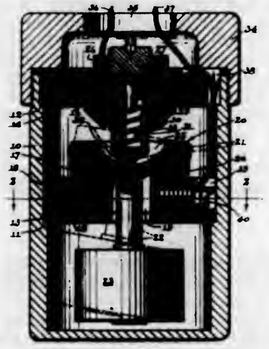
the reaction product being sufficient to substantially inhibit corrosion of the metal equipment and thereafter causing the brine to flow in contact with the metal surfaces to be protected.

2,596,426
BOX
Philip Myers, Baltimore, Md.
Application November 23, 1949, Serial No. 129,040
10 Claims. (Cl. 217—12)



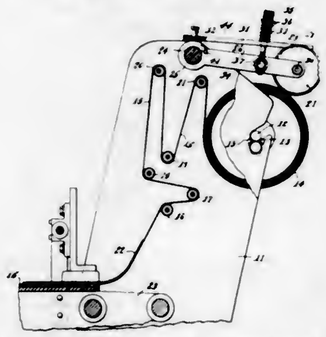
1. A container having two plane end members forming opposite parallel ends thereof, each member having an outer section with a peripherally projecting collar section and an inner frustum of a pyramid section, with the pyramid bases being directed inwardly, a parallel edged wall extending around the pyramid sections with the parallel edges of the wall fitting into the groove provided by that section, binding straps around said parallel edges, constraining the said edges against the pyramid sections, with the outer face of the wall being substantially flush with the peripheral collars.

2,596,427
INERTIA-OPERATED SWITCH
Walter E. Nordmark, Joseph A. Miller, and Norman C. Poel, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 26, 1951, Serial No. 253,246
16 Claims. (Cl. 200—52)



1. In an inertia-operated switch for interrupting an electric circuit: an insulation member; a contact member mounted in said insulation member and having a vertically extending opening therethrough; a contact pendulum having a head normally seated against the upper surface of said contact member and having a stem depending through the opening in said contact member and provided at its lower end with an inertia-responsive weight whereby said contact pendulum is movable so that the peripheral edge of its head bears against the upper surface of said insulation member to serve as a fulcrum about which the pendulum may rotate to unseat the head thereof from the contact member and thus break the contact between the contact pendulum and the contact member to interrupt an electric circuit therethrough.

2,596,428
TENSIONING DEVICE
Donald W. O'Malley, Chicago, Ill.
Application July 16, 1949, Serial No. 105,087
1 Claim. (Cl. 242—75)

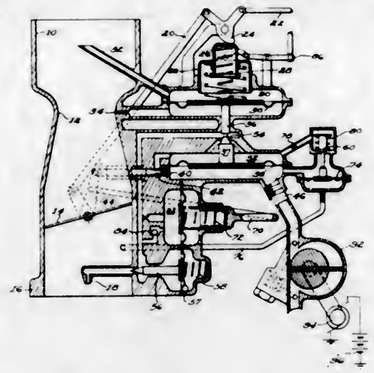


A tensioning device for maintaining tension on material being withdrawn from a roll of such material, which roll is rotatably supported on bearings, said device comprising a lever arm, means for pivotally supporting said lever arm at a fixed location adjacent one end thereof and a brake means secured adjacent to the other end of the lever arm, said brake means being so positioned that it engages the outer periphery of said roll of material at all times during withdrawal of said material from the roll, said brake means thereby exerting constant tensioning force on said material being withdrawn and being the sole instrumentality for retarding rotation of said roll except for minimum bearing friction, said brake means comprising a wheel rotatably secured to said lever, said wheel having a material of relatively high co-efficient of friction secured to the periphery thereof, which material is adapted to engage the roll and a frictional brake member adapted to contact the wheel to retard rotation thereof, said frictional brake member contacting a portion of the wheel other than the portion having the material of high co-efficient of friction thereon.

2,596,429
AUTOMOTIVE PRESSURE CARBURETOR
Andrew William Orr, Jr., Detroit, Mich., assignor to George M. Holley and Earl Holley
Application August 8, 1946, Serial No. 689,260
2 Claims. (Cl. 261—51)

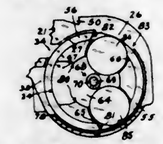
1. In a pressure type carburetor a source of fuel under pressure, a fuel entrance leading therefrom, a diaphragm responsive to the pressure of the entering fuel, a fuel passage, a fuel restriction therein admitting fuel to the other side of said diaphragm, a fuel outlet leading from the low pressure side of said diaphragm, a valve in said outlet adapted to open against the fuel flow therethrough, said diaphragm being connected to said valve, an air entrance, a venturi therein, a diaphragm responsive to the air flow and connected to said fuel valve so as to move in opposition to said first diaphragm, a throttle in the air outlet, yieldable means connected to said

throttle imposing a load on said air diaphragm and tending to open said fuel valve only when said throttle is closed, a needle valve connected



to said air throttle and adapted to enter said fuel restriction only when said air throttle approaches its closed position.

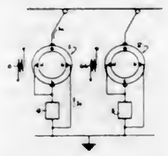
2,596,430
COIN-CONTROLLED MECHANISM FOR MERCHANDISE DISPENSING DEVICES
Roy Foster Paulson, Kirkland, and Stanley Bartlett Palmer, Richmond Beach, Wash.
Application December 7, 1946, Serial No. 714,732
12 Claims. (Cl. 194—85)



1. A coin controlled mechanism for a merchandise dispensing machine comprising a two part frame divided longitudinally substantially vertically into a coin operating half section and a coin return half section, said coin operating half section having a circular chamber, said coin return half section cooperating to form one face of said chamber; a coin receiving slot circumferentially disposed relative to said chamber; a driving disc rotatably mounted in said chamber having a stepped circumferential flange providing two spaced apart coin engaging shoulders; a driven disc rotatably disposed in the circumferential flange of said driving disc which driven disc is lockable when rotated in a backward direction, said driven disc having a plurality of coin receiving pockets in one face thereof successively registrable with said coin slot, one shoulder of said flange engageable with a coin in one of said pockets in driving said driven disc forwardly, the other shoulder engaging a coin in another pocket in blocking rotation in a backward direction.

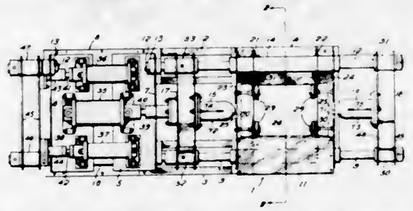
2,596,431
DIRECT-CURRENT ROTARY TRANSFORMER
Joseph Maximus Pestarini, New York, N. Y.
Application January 21, 1947, Serial No. 723,432
6 Claims. (Cl. 323—13)

1. An electric power system comprising a power supply circuit, a load circuit, a rotary transformer, said transformer comprising a pair of armature windings, a commutator associated with each of said windings, a pair of primary brushes per cycle associated with one of said commutators and a pair of secondary brushes per cycle associated with the other commutator, said pair of primary brushes being displaced relative to said pair of secondary brushes whereby current traversing one of said pairs of brushes creates a flux inducing an electromotive force between the brushes of the other of said pairs of brushes, and comprising further stator wind-



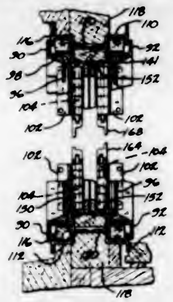
ings for controlling the operation of said transformer, and a plurality of amplifier metadynes, means for connecting said power supply circuit between one primary brush and one secondary brush, means for connecting said load circuit between said one secondary brush and the other primary brush, said other primary brush and the other secondary brush being connected together, connecting means between each of said stator windings and one of said amplifier metadynes whereby said amplifier metadynes supply said stator windings with control currents.

2,596,432
METHOD AND APPARATUS FOR OPENING SHEET METAL CONTAINERS
Kurt F. Pietzsch, South Hills, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application August 4, 1949, Serial No. 108,465
3 Claims. (Cl. 214—1.1)



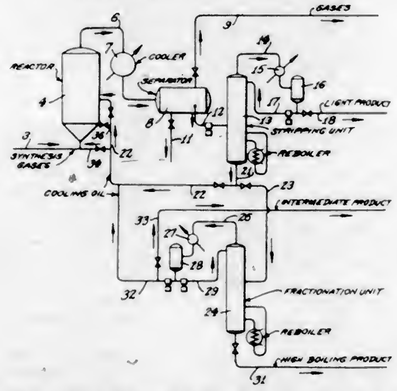
3. A machine for opening a sheet metal drum containing frangible solid material comprising in combination a drum-holding frame, rollers in said frame for rotatably supporting said drum on its side, a pair of rods slidably mounted adjacent said rollers and movable parallel to the axis of a drum supported thereon, a plunger support attached to said rods at one side of said frame and carrying a plunger adapted to engage one end of a drum on said rollers, a second plunger support slidably mounted on said rods on the opposite side of said frame and carrying a second plunger adapted to engage the opposite end of said drum, knives on said plungers adapted to cut the ends of said drum, means for moving said rods and thereby bringing said first plunger into and out of engagement with said drum, and means for sliding said second plunger support on said rods and thereby bringing said second plunger into and out of engagement with said drum.

2,596,433
SLIDING HINGE CASEMENT WINDOW STRUCTURE
Samuel L. Potts, Detroit, Mich.
Application June 20, 1946, Serial No. 678,097
12 Claims. (Cl. 160—201)



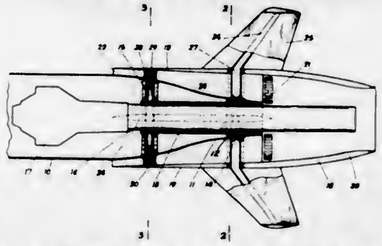
8. In a casement window structure, a window frame having an opposed set of inwardly facing channel shaped tracks, a sash, means slidably and pivotally guiding two adjacent corners of the sash in said tracks, said means including a member pivotally connected to each of said corners of the sash and received within the channel of the track for travel therealong, each of said members provided with one or more ball receiving recesses opening toward the base of the channel and opening laterally toward one side of the channel, and a ball carried in each of said one or more recesses having a diameter greater than the dimension of the recess such that peripheral portions of the ball project beyond the openings of the recess for engagement both with the base of the channel and with said side of the channel of the track.

2,596,434
SYNTHESIS OF ORGANIC COMPOUNDS
Robert Pyzel, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application August 20, 1947, Serial No. 769,568
3 Claims. (Cl. 260—449.6)



1. In a process for the hydrogenation of a carbon oxide to produce organic compounds as products of the process in which hydrogen and carbon monoxide are passed upward through a mass of finely divided hydrogenation catalyst under conditions such that the catalyst is suspended in a pseudo-liquid fluidized condition at a temperature between about 300 and about 650° F. and at a pressure between about atmospheric and about 500 pounds per square inch gage, and in which a liquid organic fraction substantially completely vaporizable under the conditions of reaction is injected directly into said suspended mass of catalyst as a cooling medium to maintain the temperature within the above range at the desired level, the improvement which comprises cooling and condensing an effluent from the hydrogenation reaction to form a liquid phase comprising relatively high and relatively low-boiling organic compounds, stripping said liquid phase of relatively low-boiling organic compounds boiling below the initial boiling point of the aforesaid cooling medium, subjecting less than about 5 volume per cent of the stripped liquid phase to fractionation under conditions such that relatively high-boiling organic compounds boiling above the end boiling point of the aforesaid liquid organic fraction are removed, combining a relatively low-boiling fraction from said fractionation with stripped liquid, and injecting the resulting liquid mixture into the pseudo-liquid dense phase of catalyst as a means for maintaining the reaction at the desired temperature level.

2,596,435
JET-PROPELLED AIRCRAFT
Roger Aimé Robert, Boulogne-sur-Seine, France
Application August 14, 1947, Serial No. 768,625
In France September 18, 1946
19 Claims. (Cl. 244—74)

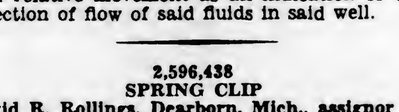


3. In a jet propelled aircraft, a fuselage, a tube forming the frame of the rear end of the fuselage, a ram-jet engine at the rear end of the the fuselage a space for the air circulation of the ram-jet engine, means to rigidly assemble the ram-jet engine with the fuselage, an auxiliary reactor the exhaust of which is discharged fuselage, concentric with it and forming with through said tube.

16. Jet airplane structure, which comprises: a fuselage, a jet nozzle at the rear of said fuselage and externally concentrical therewith, tail-fin elements carried on said jet nozzle and including framework elements extended internally of said nozzle, and means for assembling said framework elements with said fuselage.

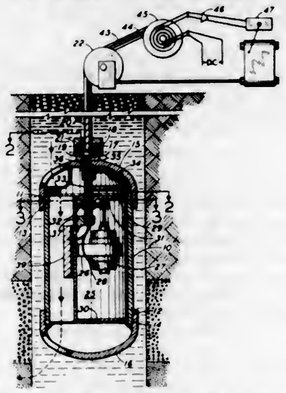
2,596,436
FOLDING WING FOR AIRCRAFT
Roger Aimé Robert, Boulogne-sur-Seine, France
Application January 21, 1948, Serial No. 3,437
In France March 11, 1947
9 Claims. (Cl. 244—49)

1. In an airplane having a fuselage: a wing retractable along said fuselage comprising a plurality of longitudinal wing sections positioned one behind the other, pivot means on the foremost wing section rotatively connecting the wing to the fuselage, bracing means between said foremost section and said fuselage, second pivot means between two consecutive wing sections at the outer ends thereof, said wing sections being



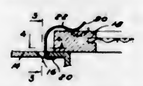
adapted to open up and close fanwise by pivotal movement about their outer ends, and means for supporting each wing section for sliding movement at its inner end on the adjacent wing section located forwardly thereof.

2,596,437
METHOD AND APPARATUS FOR DETECTING FLUID MOVEMENT IN WELL BORES
Gilson H. Rohrback, Whittier, Robert A. Stoner, Fullerton, and Malcolm Macaulay and William T. Cardwell, Jr., Whittier, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application February 16, 1951, Serial No. 211,304
9 Claims. (Cl. 175—182)



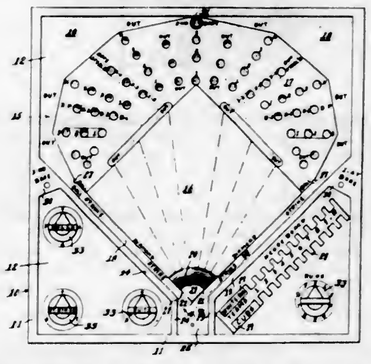
1. A method of detecting the movement of fluids in a well bore comprising the steps of positioning a pair of electrodes in said well and in electrical contact with said fluids, establishing a different relative movement of said fluid with respect to one electrode than to the other electrode, and measuring the electrical potential generated between said pair of electrodes due to said relative movement as an indication of the direction of flow of said fluids in said well.

2,596,438
SPRING CLIP
David R. Rollings, Dearborn, Mich., assignor to Security Sash & Screen Company, Detroit, Mich., a corporation of Michigan
Application November 30, 1951, Serial No. 259,079
6 Claims. (Cl. 160—369)



3. A screen retainer clip angular in shape and having one leg the end portion of which is bent to form a hook projecting substantially perpendicularly away from the plane of the leg, the other leg of the clip projecting substantially perpendicularly away from the plane of the first leg and substantially parallel to said hook, said last mentioned leg being somewhat S-shaped and having its intermediate portion disposed in closer proximity to said hook than its outer end portion.

2,596,439
BASEBALL GAME APPARATUS
Abe Rose, Chicago, Ill., assignor of one-half to Sidney J. Eisenberg, Chicago, Ill.
Application November 19, 1949, Serial No. 128,324
6 Claims. (Cl. 273—88)

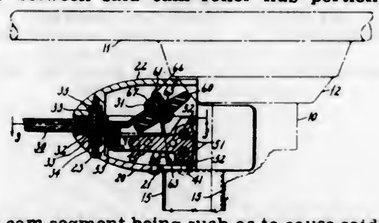


1. A baseball game comprising an inclined playing board, a propelling member for changing the vertical movement of a ball to a movement upwardly along the inclined surface of said playing board, said playing board having a plurality of channels, two of said channels bounding a simulated baseball field comprising a home plate, an infield surface and an outfield surface, said playing board also having therein a plurality of holes, three of said holes serving as the bases of the simulated baseball field, the remainder of said holes being located in the outfield surface of the baseball field and adapted to receive the projected ball, said channels being adapted to receive the projected balls and return them to a region adjacent the home plate, said holes and channels having various designated game values, and said propelling member serving as the home plate of the simulated baseball field, said infield surface lying in one plane, the outfield surface spaced below said infield surface, and the surface of the channels lying below said outfield surface, whereby the propelled ball is restrained from returning over a surface over which it has passed.

2,596,440
TURNING SIGNAL DEVICE FOR AUTOMOTIVE VEHICLES
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 13, 1949, Serial No. 87,182
5 Claims. (Cl. 200—59)

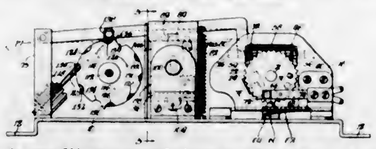
1. In a direction signal switch mechanism for disposition in an automotive vehicle adjacent the steering wheel hub, a two-way electric signal switch, a manual reversely swinging hand lever for actuating said switch to signal a turn in either direction, a friction wheel yieldably mounted adjacent said steering wheel hub and capable of

being biassed into driving contact therewith, said wheel having an axially aligned projecting hub portion serving as a cam roller, said hand lever having a cam segment rigid therewith and arranged to press upon said cam roller hub portion and thereby bias said friction wheel into driving contact with said steering wheel hub when said hand lever actuates said switch in either direction to signal a turn in either direction, the pressure between said cam roller hub portion and



said cam segment being such as to cause said cam roller hub portion to frictionally drive said cam segment and swing same together with said hand lever to a predetermined switch-closing limit of swing when the steering wheel is rotated to make the signaled turn, and to swing said cam segment and hand lever in a reverse direction to its switch-open position when the steering wheel is rotated in the reverse direction sufficiently to straighten the vehicle.

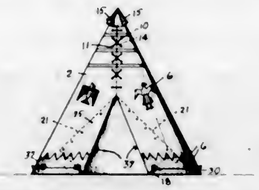
2,596,441
CREDIT ACCUMULATOR MECHANISM
John Schmidt, Chicago, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 9, 1947, Serial No. 790,550
7 Claims. (Cl. 194—9)



1. A credit accumulator mechanism comprising a plurality of independent switches a movable credit accumulating element and means for moving said element in a credit accumulating direction comprising an electromagnetically operated stepper responsive to an electrical impulse initiated by operation of one of said switches corresponding to a unit denomination, said stepper being energized once each impulse corresponding to said unit denomination, electric motor driven means to operate said accumulator element in multiples of two or more steps responsive to electrical impulses initiated by operation of another of said switches corresponding to a multiple unit denomination, said motor driven means including cam means to actuate said credit accumulator element, and other control means responsive to operation of said other switches to simultaneously energize said motor and render a selected one of said cams operable, to thereby actuate said credit accumulating element.

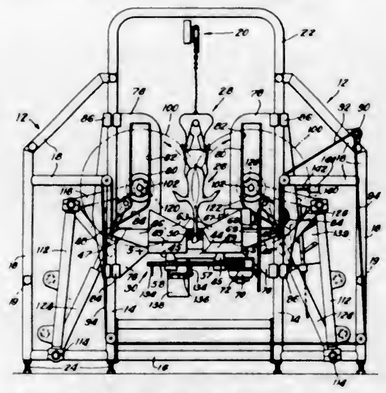
2,596,442
TEPEE
Melvin J. Scholting, San Francisco, Calif.
Application October 14, 1949, Serial No. 121,285
9 Claims. (Cl. 135—1)

1. A tepee comprising a sheet of corrugated cardboard in substantially the shape of a cone and provided with an opening in one side adjacent its base, a plurality of stakes extending through said sheet around and adjacent to said base, and a cord carried by said stakes closely adjacent the outer side of said tepee encircling said tepee along its base from opposite lateral sides of said opening.



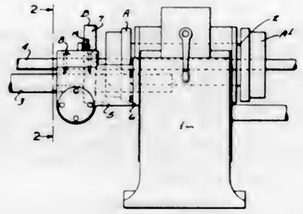
8. A tepee formed from a sheet of corrugated cardboard of the type having a corrugated layer of board secured against a relatively flat layer of paper, said tepee having its base edge substantially coincident with a circle coaxial with the longitudinal axis of the tepee, the corrugated layer of said sheet having its corrugations of uniform size from end to end extending generally upwardly from said base edge of said tepee, an opening formed in one side of said tepee and along said base edge, the corrugation in said layer along the side of the tepee opposite said opening being substantially in a vertical plane bisecting said tepee and the remaining corrugations at opposite sides of the last mentioned corrugation extending from said base edge toward a line along which the side of said tepee opposite said corrugation is intersected by said plane.

2,596,443
METHOD OF PICKING FOWL
Allen W. Sharp, Ottumwa, Iowa, assignor to Barker Poultry Equipment Company, Ottumwa, Iowa, a corporation of Iowa
Original application June 4, 1947, Serial No. 752,314. Divided and this application April 23, 1949, Serial No. 89,209
5 Claims. (Cl. 17—45)



1. A method of picking fowls comprising the steps of suspending the fowls with their heads down, conveying the fowl when so suspended, guiding the neck of the fowl to a point where it is automatically and loosely seized for conveyance, whereby the neck and head of the fowl hang vertically downward, conveying the suspended fowl with the loosely seized neck, applying a picking force upwardly over the fowl, whereby the body of the fowl tends to be thrown upwards, and the step of engaging the head of the fowl during the picking operation to restrain the body of the fowl from being thrown upwards by the picking force.

2,596,444
TURNING MACHINE
Walter Siegerist, University City, Mo.
Application March 21, 1946, Serial No. 655,996
7 Claims. (Cl. 82—20)



1. In a turning machine having a hollow positively rotated cutter-head for turning work fed axially therethrough, the combination of a stationary cutter-head comprising a body having an opening therethrough through which said work is axially fed in advance of said positively rotated cutter-head, and a plurality of tools fixed to said body radially of the opening therethrough, said tools having cutting edges disposed in said opening to produce in the outer peripheral surface of said work during the axial feed of said work to and the operation thereon by said positively rotated cutter-head a plurality of continuous circumferentially spaced longitudinal grooves of a depth corresponding substantially to the amount of material removed from said work by said positively rotated cutter-head, each of said tools having an extension rearwardly of the cutting edge disposed in the grooves for preventing rotation of the work, whereby the engagement of said cutting edges of said fixed tools with said work prevents rotation thereof under the torque imposed thereon by said positively rotated cutter-head and said longitudinal grooves in said work cause the portions removed therefrom by said positively rotated cutter-head to break off in relatively short chips of a length corresponding substantially to the circumference of said work divided by the number of longitudinal grooves therein.

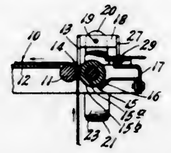
2,596,445
HEDDLE FOR WEAVING DEVICES
Paul A. Sperry, New Haven, Conn.
Application June 22, 1949, Serial No. 100,603
3 Claims. (Cl. 139—96)

3. A heddle for manipulating warp threads of a fabric-weaving device, the said heddle comprising a blade-like strip of metal having apertures at opposite ends thereof respectively for fastening the blade-like heddle in a substantially-vertical operating position, and a relatively-wide aperture in said blade-like heddle between the opposite ends thereof; and warp-engaging means comprising a pair of prongs joined integrally at their respective bases with the bottom edge of said intermediate aperture and in longitudinally-spaced relationship along the bottom edge thereof, the portions of the bottom edge of said relatively-wide aperture which blend the longitudinal sides thereof with the longitudinally-spaced prongs comprising concave edges, the said prongs being narrow relative to said aperture and bent outwardly from and on opposite sides respectively



of a plane intersecting the oppositely-disposed longitudinal edges of said blade-like heddle.

2,596,446
ELECTRIC RECORDING APPARATUS
Hamilton A. Stamper, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 12, 1948, Serial No. 59,565
8 Claims. (Cl. 346—74)

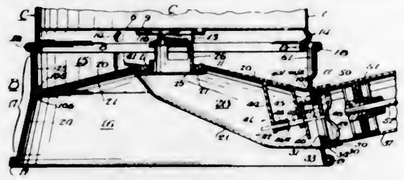


1. Electric recording apparatus comprising: a record blank and means for supporting it and moving it through a predetermined path; a contact member independent of said record blank and of electrically conductive material having a stylus-contacting surface extending transversely across said path parallel to and in close proximity to one face of said record blank; an electrically conductive stylus on the same side of said record blank as said contact member and means for traversing said stylus along said stylus-contacting surface of said contact member; and means for applying a marking potential between said stylus and said contact member to produce a recording current between the stylus and the contact member.

2,596,447
GREASE GUN
Edwin P. Sundholm, Albert City, Iowa, assignor to Our Savior's Evangelical Lutheran Church, Albert City, Iowa, a corporation of Iowa
Application February 14, 1946, Serial No. 647,446
3 Claims. (Cl. 226—65.5)

1. In combination with a fluid-dispenser having a generally cylindrical thin-walled barrel with a smooth inner bore and exteriorly screw-threaded at one end detachably to engage a complementary screw-threaded gun-receiving

socket on a fluid container, with a piston axially slidable in said barrel and with the socket surrounding an opening in the wall of the container and with a valve controlling the opening and a valve-element extending into the socket; a valve depressor at the screw-threaded end of said barrel so dimensioned whereby operatively



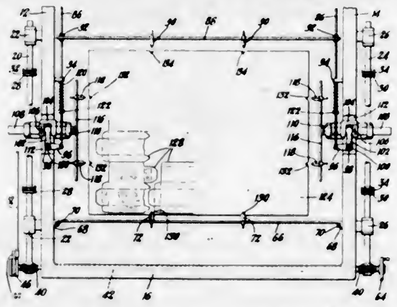
to engage said valve-element in said socket and open said valve when the screw-thread end of said barrel is screwed into said socket, said depressor supported within said barrel entirely between said screw-threaded end and said piston when said piston is in its position of farthest advance toward said screw-threaded end.

2,596,448

APPARATUS FOR STACKING SHEET MATERIAL

Thomas Toronto, Grand View, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware

Application March 5, 1946, Serial No. 652,126
2 Claims. (Cl. 271—89)



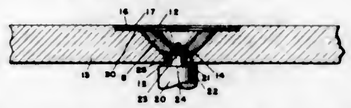
1. In apparatus for handling successively presented sheets of paperboard having one or more box blanks cut and scored therein and having a plurality of V-shaped notches cut out of opposed edges of said sheets in accurate and uniform positional relationship with said box blanks, means for stacking said sheets with corresponding box blanks in successive sheets in substantially exact register, said means comprising a plurality of vertically elongated jogging members, the working portions of said jogging members comprising converging walls and being V-shaped in cross section to substantially conform to the shape of the notches cut in said sheets, and means for moving at least some of said jogging members relative to others of said jogging members and into and out of the notches in said sheets substantially in rectilinear paths normal to the edges of said sheets and bisecting the angle between the converging walls of the working portions of said jogging members to move the successively presented sheets, if necessary, into accurate vertical registry with respect to the notches and box blanks therein.

2,596,449

SHOCK ABSORBING WATCH BEARING

Egbert Van Haaften, Lancaster Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.

Application August 23, 1949, Serial No. 111,790
8 Claims. (Cl. 58—140)



1. A combination integral radial and thrust bearing for the pivots of balance staffs having a semispherical shaped outer surface and a conical shaped inner surface, the bearing being formed with an olived hole at the apex of the conical surface to serve as a radial bearing, the outer edges of the spherical surface adjacent the olived hole engaging a shoulder of the balance staff to serve as a thrust bearing.

2,596,450

CORROSION-INHIBITING COATING COMPOSITION CONTAINING ORGANIC AMINE NITRITES

Aaron Wachter and Nathan Stillman, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 28, 1946, Serial No. 706,099
13 Claims. (Cl. 106—14)

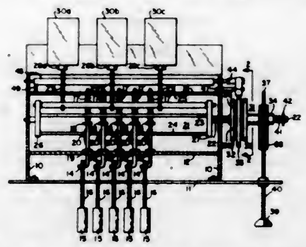
6. A corrosion-inhibiting composition essentially comprising a coating material capable of forming a substantially non-fluent coherent coating adherent on the surface of a solid metal, and an amount of an organic base nitrite sufficient to render the coating corrosion-inhibiting, said amount being about 10% by weight based upon the weight of said coating material.

2,596,451

PUSH-BUTTON TUNER DRIVING MECHANISM

Otto E. Wagenknecht, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Application August 30, 1950, Serial No. 182,382
3 Claims. (Cl. 74—750)



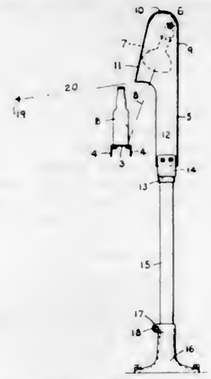
1. In a selectively operable driving mechanism comprising: a driven shaft; a first bevel gear affixed to said shaft; a second bevel gear spaced from and supported coaxially with said first bevel gear for rotation relative to said shaft; a locking plate interposed between said bevel gears for rotation relative to said shaft and having at least one aperture for receiving a planetary gear; a planetary gear rotatably supported in each aperture of said locking plate in mechanical driving engagement with said bevel gears; and driving means for rotating said second bevel gear; a pair of cross-connected arms pivotally mounted adjacent said locking plate; a resilient member urging one end of said arms into frictional engagement with said locking plate to prevent rotation thereof; and means for rotating said arms in opposite directions against the tension of said resilient member and out of engagement with said locking plate.

2,596,452

ILLUMINATING DEVICE FOR INSPECTION OF CONTENTS OF BOTTLES

Paul K. Wehmiller, Kirkwood, and William J. Nekola, Normandy, Mo., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo., a corporation of Missouri

Application June 30, 1949, Serial No. 102,348
1 Claim. (Cl. 88—14)



An illuminating device for use at the rear side of a conveyor whereon transparent containers are presented for inspection, said device comprising a vertically directed wall having a relatively light colored dull surface extending above the level of the conveyor and spaced from the conveyor to provide a clear space in front of said wall surface, a hood positioned across the upper portion of said wall directly above said clear space, said hood having a front inclined wall portion located with its lower free edge spaced above the rear side of the conveyor and clear of the top of the containers presented for inspection, and illuminating means located within said hood behind said inclined wall portion above the lower free margin thereof, said hood and inclined wall portion cooperating to direct the light without obstruction downwardly across said dull surface and behind the transparent containers, and said light colored dull surface cooperating with said illuminating means to back-light the transparent containers uniformly.

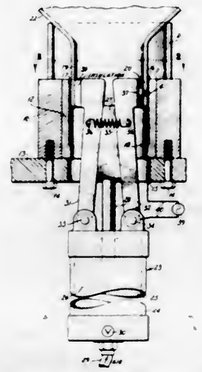
2,596,453

METHOD AND MACHINE FOR SPOT WELDING

Joseph C. Weidel, Bonita, Calif., assignor to Rohr Aircraft Corporation, Chula Vista, Calif., a corporation of California

Application May 18, 1951, Serial No. 226,969
6 Claims. (Cl. 219—6)

1. The method of electrically welding a larger to a smaller tube which comprises the steps of advancing the larger tube into a tube supporting fixture composed of material having large electrical conductance; advancing the smaller tube into the larger tube until a predetermined overlap of the tubes is obtained; advancing an elec-



trically conductive electrode against the smaller tube in the region of the overlap; supplying to the electrode an electrical current ample to fuse a portion of the tube material between the electrode and the supporting fixture and compressing the fused tube material.

2,596,454

GOLD ALLOYS

Joseph M. Williams, Attleboro Falls, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

No Drawing. Application September 10, 1949, Serial No. 115,111
6 Claims. (Cl. 75—165)

1. A stress-corrosion resistant gold alloy consisting essentially of gold, about 33–50%; indium, about 0.1 to 5%; at least one coloring metal selected from the group consisting of silver, zinc, and cadmium each in an amount in the range of 2–10%; and balance, copper but not less than about 10.7%; all by weight

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2,596,455

AIRCRAFT FLIGHT REFUELING APPARATUS

Robert L. Williams, Alvin Floyd Lammers, and Harold W. Zipp, Wichita, Kans., assignors to Boeing Airplane Company, Wichita, Kans., a corporation of Delaware

Application December 30, 1949, Serial No. 135,954
9 Claims. (Cl. 244—135)



1. Apparatus for transferring fuel from a supply airplane carrying fuel supply tanks to another airplane, during flight, comprising: a substantially circular aperture formed in the aft end of a fore and aft disposed component part of the supply airplane; a power operated hose reel carried in the supply airplane; a fuel transfer hose carried by the reel and adapted to be let

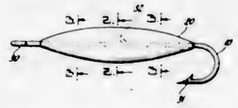
out of the airplane through said aperture, one end of said hose being in communication with said fuel supply tanks; and a frusto-conical air drag unit or cone having an axial fuel transfer passage therethrough, attached to and in communication with the other end of said hose, the larger end of the cone being disposed rearwardly with relation to the airplane, the diameter of the larger end of said cone being greater than the diameter of said aperture, whereby the aperture serves as a receiver and holder for said cone when the hose is reeled in taut, and the cone serves as a closure for said aperture.

2,596,456
GUN TRIGGER PULL GAUGE
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a special corporation of Connecticut
Application July 29, 1949, Serial No. 107,517
7 Claims. (Cl. 73—167)



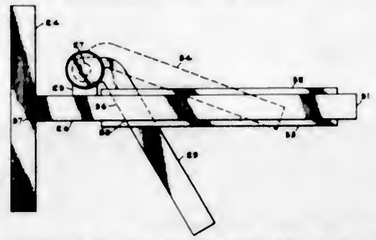
1. A manual firearm trigger pull gauge comprising in combination, an elongate casing having therein an indicating member, spring means normally holding said indicating member within the casing, said indicating member being extensible through one end of the casing when subjected to force in opposition to the spring means, a resilient wire pivotally connected to the indicating member, a lever carried by said wire and adapted in one position to extend at an angle to the wire to engage the trigger of a firearm and in another position to extend in close, parallel relation to the wire, said wire and lever being positionable to lie in close, substantially parallel relation to the casing, and means for detachably holding the wire and the lever in said last recited relation.

2,596,457
METHOD OF FORMING FISHING LURES, FLIES, NYMPHS, AND THE PRODUCT
Lee Wulff, Shushan, N. Y.
Application May 10, 1951, Serial No. 225,637
5 Claims. (Cl. 43—42.53)



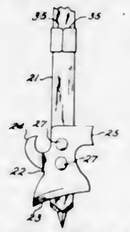
4. A lure body for a fishing fly, in combination a fish hook having an eye, barbed point and connecting shank, a plastic body member in hardened condition on the shank between the eye and the barbed point, said body being substantially triangular in transverse cross-section provided with three slightly curved surfaces disposed around the shank, two of the surfaces in angular relation with the third surface, the largest area of the cross-section being located substantially in the center of the elongated body and gradually diminishing in size as it approaches each end and lure material defining wings and legs in adhering condition within the body, said plastic causing such adherence.

2,596,458
WAVE GUIDE STUB
John F. Zaleski, Queens Village, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application April 23, 1949, Serial No. 89,267
2 Claims. (Cl. 178—44)



1. A microwave tunable wave guide stub comprising, a rectangular wave guide section provided with longitudinal opposed openings in each of the broad faces thereof, a fin of sheet metallic conductive material pivoted at one end to the external face of said wave guide section at a point adjacent one end of one of said longitudinal openings, said fin extending through said openings and across the narrow dimension of said wave guide section, means for adjusting the angular position of said fin about said pivot, said fin being so shaped and the limits of angular adjustment being such that in any position of adjustment the area of the fin contained within the wave guide section increases gradually from one end.

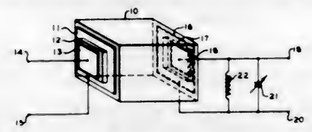
2,596,459
OPENER
Alexander M. Alexandrescu, Cleveland, Ohio
Application March 15, 1946, Serial No. 654,675
2 Claims. (Cl. 30—16)



1. A can opener comprising a handle, a shank extending from said handle, and a blade extending from said shank, said blade having a single sharp cutting edge which is curved and concave, the chord of said curved edge forming an acute angle with the axis of said shank to form a blade that progressively cuts a slot in a can in response to axial force applied to said handle and shank, said curved edge being substantially bisected by the medial axis of said shank.

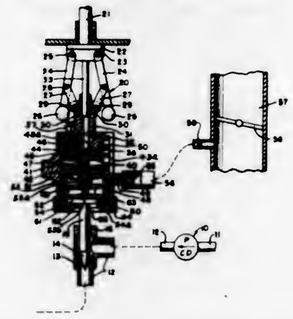
2,596,460
MULTICHANNEL FILTER
David L. Arenberg, Rochester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 5, 1946, Serial No. 659,997
10 Claims. (Cl. 178—44)

1. An electrical signal filter comprising, a solid supersonic resonator of material having low supersonic attenuation, said supersonic resonator having two flat and parallel faces and being responsive to a predetermined supersonic frequency and harmonics thereof, means responsive to electrical signals for applying supersonic signals to



said supersonic resonator, means responsive to supersonic signals transmitted by said supersonic resonator for generating electrical signals, an electric circuit filter, and means for tuning said filter over a band which includes a plurality of harmonic frequencies of said supersonic resonator.

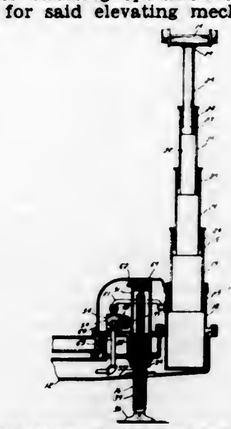
2,596,461
SPEED RESPONSIVE VALVE FOR FUEL-FEEDING SYSTEMS
John Carroll Baisch, Whittier, Calif., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 11, 1948, Serial No. 43,731
8 Claims. (Cl. 123—130)



1. In fuel control means: a fuel conduit; variable metering means for said conduit, said variable metering means including a movable valve part; a casing having a cylindrical chamber; a device slidable in said chamber and having a cylindrical bore therein; a piston in said bore, said piston being connected to said valve part; means for connecting said bore to a source of variable pressure for actuating said piston; and speed responsive means connected to said device and adapted to move same in said chamber.

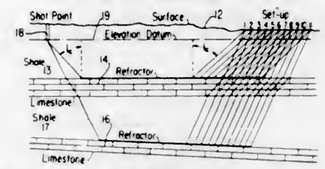
2,596,462
JACK MECHANISM
Charles F. Ball, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application November 21, 1947, Serial No. 787,426
10 Claims. (Cl. 254—93)

8. In combination, a power operated elevating mechanism, a relatively movable, power operated, extensible support for said elevating mechanism, power operating means for said elevating mechanism and said extensible support respectively, and means including a control element automatically responsive to load conditions on said operating means of said elevating mechanism for effecting operation of said operating means for said elevating mechanism and said



extensible support, first one and then the other, always in a definite sequence.

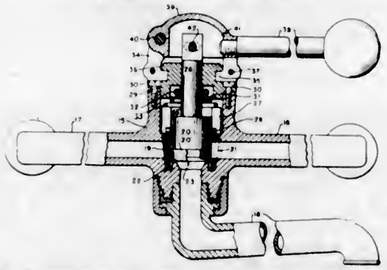
2,596,463
METHOD FOR DETERMINING SUBSURFACE GEOLOGICAL STRUCTURE BY SEISMIC SURVEYING EMPLOYING REFRACTION SHOOTING
Albert J. Barthelmes, Tulsa, Okla., assignor, by mesne assignments, to Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware
Application May 8, 1946, Serial No. 668,294
1 Claim. (Cl. 181—0.5)



The method of determining the nature of subsurface geological structure in regions where there is at least one buried stratum of relatively high characteristic speed, which comprises establishing a predetermined spread of seismic wave detection points along a straight survey line, generating seismic waves adjacent the surface of the earth at a first wave generating point which is on said line with said spread on one side thereof and is spaced from said spread a predetermined distance which is several times greater than the distance at which waves generated at said first wave generating point and reflected from the interface between the high speed stratum and the overlying stratum may be detected at the earth's surface, recording the reception of the waves refracted upwardly from said interface to said plurality of detection points, thereby to obtain the differences in travel times of the waves from said wave generating point downward to said stratum, along the top of said stratum to a set of wave refraction points on said interface and upward to said detection points, generating seismic waves at a second wave generating point spaced a predetermined distance from said spread on the other side of said spread and located on said survey line, recording the reception of the waves generated at said second wave generating point and refracted upwardly from said interface to

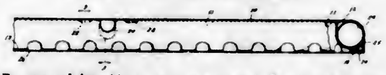
said plurality of detection points, thereby to obtain the differences in travel times of the waves from said second wave generating point to said stratum, along the top of said stratum to another set of wave refraction points on said interface and upward to said detection points, moving the entire detection point spread in one direction along said survey line a distance such that at least one of the detection points of the new spread position coincides with one of the detection points of the first spread position, repeating the described seismic wave generating steps on each side of said new spread position and on said survey line, recording the waves refracted from said interface to the detection points of the new spread position, thereby to obtain the differences in travel times of the waves from each of the new wave generating points downward to said stratum, along the top of the stratum to different displaced sets of wave refraction points and upward to the detection points of the new spread position, repeating the spread positioning, seismic wave generating and recording steps along said straight survey line in the manner described until waves have been refracted in each direction from each set of refraction points to the detection points of two displaced spread positions, and combining the differences in travel times of the waves refracted in each direction from each set of refraction points to the detection points of the two displaced spreads to determine the relative depths of the refraction points with the factor of wave travel time along the top of the subsurface stratum eliminated from said relative depth determinations.

2,596,464
HOT AND COLD WATER MIXING FAUCET WITH SINGLE HANDLE
Charles W. Bauberger, Malverne, N. Y.
Application March 21, 1947, Serial No. 736,167
3 Claims. (Cl. 277—25)



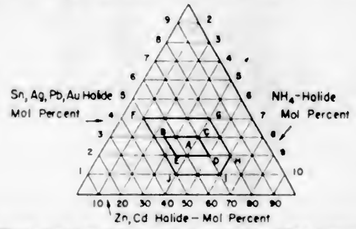
1. A mixing faucet comprising a housing having two inlets and an outlet, a valve for controlling the inlets and outlet comprising a rotatable sleeve having two inlet passages arranged at approximately right angles to each other for coacting with the inlets and a plunger member rotatably connected with the sleeve and reciprocable in the sleeve for varying the effective openings of the inlets and for closing the outlet, a head secured to the housing, the plunger member having a stem extending through said head, a dome-shaped and slotted hood encircling said head and a handle lever having a cap fitted within the hood slot, said cap being shaped to conform to the shape of the hood and having a connection with said stem, said hood and cap enclosing the upper end of said stem and its connection with the cap, the outer contour of said hood and cap conforming to the outer contour of the external parts of the faucet.

2,596,465
PERIPHERALLY REINFORCED SHEET METAL TABLE TOP CONSTRUCTION
Earl C. Booth, Columbus, Ind., assignor to Arvin Industries, Inc.
Application February 27, 1950, Serial No. 146,511
6 Claims. (Cl. 311—106)



1. In combination, superposed first and second sheet-metal panels, the first panel having its peripheral portion offset away from the second panel, a border frame disposed between the second panel and the offset peripheral portion of the first panel, the peripheral portion of the second panel being bent to form a flange embracing said border frame, said flange and the offset peripheral portion of the first panel being secured together at their edges, the offset portion of the first panel being provided along its margin with a series of peripherally spaced bosses providing a seat for the border frame to limit outward movement thereof.

2,596,466
FLUX FOR LEAD BURNING AND METHOD OF MAKING SAME
James H. Bowden, Chicago, Ill., assignor to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application March 15, 1948, Serial No. 14,932
6 Claims. (Cl. 148—26)

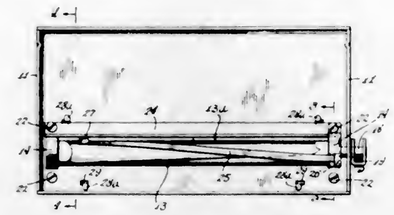


1. Flux for lead burning and the like composed essentially of from about 50 to about 80 mol percent of a zinc halide, together with from about 1 to about 4 mol percent of at least one of the group consisting of tin, silver, lead and gold halides reacted with ammonia in an amount equivalent to at least about one-eighth but not more than about three-tenths of that required for complete formation of ammine complex salts with said metal halides, and containing also from about 2 to about 7 mol percent of at least one ammonium halide, said flux being substantially homogeneous and fluid at temperatures not greatly above 100° C., and characterized by affinity for and wetting of metal surfaces to promote rapid and thorough fusion bonding of lead and alloys rich in lead to said surfaces wetted by said flux, the residues of said flux after its contact with molten lead being substantially noncorrosive to metals.

2,596,467
DEVICE WITH ADJUSTABLE BEARINGS FOR OPENING ENVELOPES
William T. Buckens, Bridgeport, Conn.
Application July 12, 1950, Serial No. 173,451
2 Claims. (Cl. 164—43)

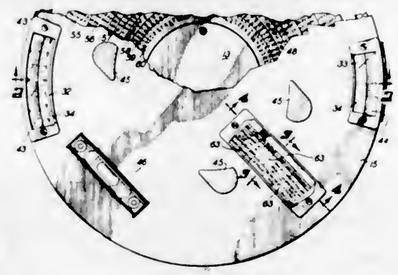
1. In an envelope cutting machine as described, the combination of a base having a slot

therein and open transversely extending bearings adjacent the ends of the slot, said bearings being elongated in a direction transversely of said slot; a rotary cutter positioned in the slot with the ends thereof mounted in the bearings, the front edge of the slot forming a fixed blade



to cooperate with the rotary cutter to provide an envelope severing means; cap bearing members for the cutter adjustably mounted on the base to overlie the elongate bearings and fixedly adjustable to maintain the rotary cutter in engagement with said fixed blade; and means for rotating the cutter.

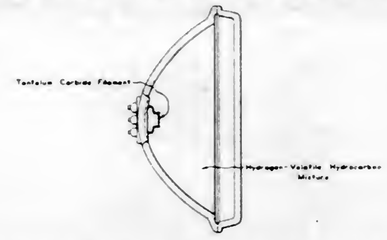
2,596,468
TRANSIT
Ezra Leo Callahan, Inglewood, Calif.
Application May 5, 1947, Serial No. 746,105
5 Claims. (Cl. 33—46)



1. In a transit, a telescope, means to rotatably mount said telescope, a spindle, a horizontal limb encircling said spindle and rotatable relative to said means, the marginal edge of said limb bearing a degree scale, a plate encircling said spindle and rotatable with respect to said horizontal limb bearing conversion tables comprising figures coordinated with the degree calibrations of said degree scale and visible from above said horizontal limb, and means comprising a knob disposed for manual actuation to rotate said plate relative to said horizontal limb and independently of the adjustment of the telescope.

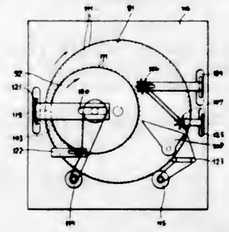
2,596,469
TANTALUM CARBIDE FILAMENT ELECTRIC LAMP CONTAINING HYDROGEN-VOLATILE HYDROCARBON MIXTURE
Dexter P. Cooper, Jr., Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 27, 1951, Serial No. 212,934
9 Claims. (Cl. 313—223)

1. In an electric lamp, a filament comprising essentially tantalum carbide positioned within an



atmosphere comprising a volatile hydrocarbon and hydrogen.

2,596,470
PICKING OF GRANULAR PRODUCTS
Michael Jan de Goeje, Zaandam, Netherlands
Application December 5, 1947, Serial No. 789,799
In the Netherlands April 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 16, 1963
3 Claims. (Cl. 209—109)

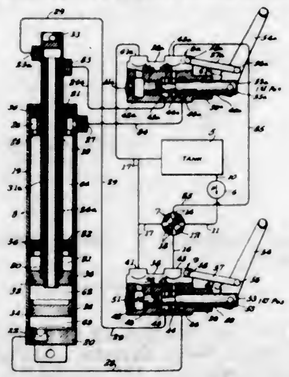


1. A device for separating worm eaten peas from sound peas, comprising a rotatable cylindrical drum provided on its inner surface with a plurality of needles pointing in the direction of rotation, and adapted to impale the worm eaten peas, a second drum eccentrically positioned within the first drum, rotatable in the same direction as the outer drum, provided on its outer surface with a plurality of needles pointing in the direction of rotation, and adapted to impale the worm eaten peas, with a free gap between the needle points on the said drums, means to supply all peas to one end of said first mentioned drum, means to discharge the sound peas from the other end of said first mentioned drum, wiping off means adapted to remove the impaled worm eaten peas from each of the needle surfaces and means adjacent to said wiping off means for discharging the worm eaten peas from said first mentioned drum.

2,596,471
VARIABLE-STOP HYDRAULIC SYSTEM
Richard M. Densmore, South Gate, and Neville J. Dalton, Huntington Park, Calif.
Application January 21, 1950, Serial No. 139,824
3 Claims. (Cl. 121—38)

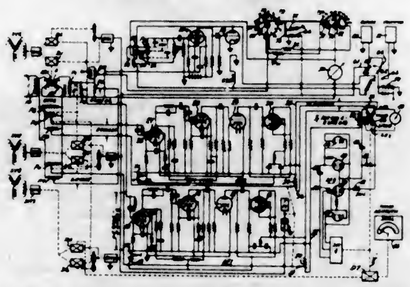
1. An hydraulic system comprising a cylinder having closed ends, a piston in said cylinder, two stop elements, one on each side of the piston, said cylinder, between its ends, being thereby divided into four spaces, a selector valve for controlling fluid flow through two of said spaces, a second selector valve for controlling flow through the other two spaces, a two-position four-way valve connected to both selector valves,

and means to conduct fluid under pressure through the four-way valve to the selector valves,



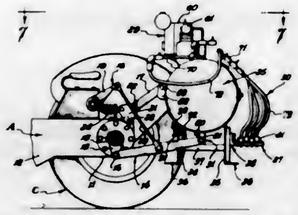
selectively, whereby the piston and the stops, selectively, are movable relative to each other and to the ends of the cylinder.

2,596,472
WIND DATA COMPUTER
William K. Ergen, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 14, 1947, Serial No. 754,738
11 Claims. (Cl. 235—61)



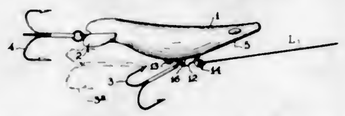
2. In a device for continuously deriving a potential representative of the altitude of a moving object from shaft positions representative of the slant range and elevation angle of said object, the combination of means responsive to said slant range and elevation angle representative shaft positions for producing a first potential of one polarity which is representative of the product of said range and the sine of said angle, means for producing a second potential of opposite polarity which is adjustable to represent successive predetermined values of said product, means for producing a third potential which is adjustable to successive predetermined values of the resultant of said first and second potentials, means responsive to said resultant exceeding one of said third potential values to adjust said third potential producing means to produce another of its successive values which exceeds said resultant, means responsive to one predetermined number of operations of said adjusting means to adjust said second potential producing means to produce another of its successive values and means responsive to another predetermined number of operations of said adjusting means to produce a warning signal.

2,596,473
TRACTOR SPRAYER
Bryant Essick, Los Angeles, Calif., assignor to Essick Manufacturing Company, Los Angeles, Calif., a corporation of California
Application February 8, 1947, Serial No. 727,398
11 Claims. (Cl. 299—30)



1. In combination, a tractor having an arm pivoted thereto and projecting therefrom and having power means operating the arm in a vertical plane, unitary spraying apparatus including a tank, a spray distributor, and means mounting the spray distributor on the tank to shift vertically relative thereto, and means coupling tank of the spraying apparatus and said arm for vertical adjustment of the entire spraying apparatus by the arm.

2,596,474
FISHING LURE
George B. Espey and Gilbert D. Waite, Cleveland, Ohio
Application June 30, 1947, Serial No. 758,012
1 Claim. (Cl. 43—42.44)

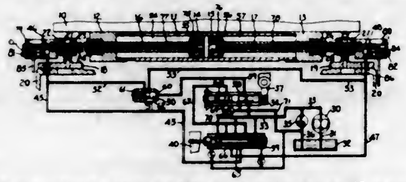


A fishing plug comprising a body having a substantially flat planing surface of substantial area extending forwardly and upwardly, means for attaching a line to said plug rearwardly of the center of said planing surface and close to and slightly forwardly of the center of gravity of said body, a pair of slightly concave fins located at the rear of said plug and projecting laterally and slightly downwardly and at a slight angle to the horizontal axis of said plug, the concave sides of said fins facing forwardly, a bail adapted to secure a hook to said body extending substantially the full width of the rear end of said plug and permitting lateral movement of said hook with respect to said plug, and a second hook attached to said plug by said means.

2,596,475
AIR BLEED SYSTEM FOR HYDRAULIC TABLE RECIPROCATING MECHANISM
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 10, 1951, Serial No. 214,936
2 Claims. (Cl. 60—52)

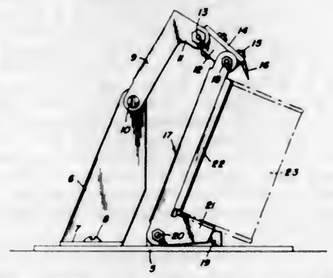
1. In a machine tool having a base, a longitudinally reciprocable table thereon, a hydraulic cylinder fixedly mounted on said table, a piston therein, a hollow piston rod connected with said piston, a bracket adjacent to one end of said base to support the other end of said piston rod,

a reversing valve to convey fluid under pressure through said rod into the cylinder, a fluid reservoir, means including a pump to supply fluid under pressure, and a bleeder system therefor including a bleeder port in said piston adjacent to the upper portion of said cylinder, a bleeder



tube connected therewith and extending through said hollow piston rod, a manually operable bleeder valve at the outer end of said tube, and a pipe connecting said bleeder valve with the reservoir whereby air and fluid bled from the cylinder is returned to the reservoir.

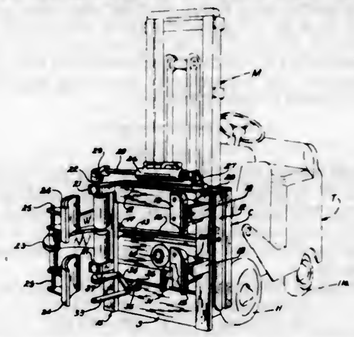
2,596,476
CAN OPENER
Victor Forstrom, Roundup, Mont.
Application November 29, 1948, Serial No. 62,475
4 Claims. (Cl. 30—10)



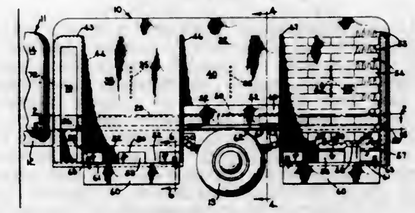
1. A can opener comprising a fixed upstanding support, an upstanding rockable can support, a vertically swingable cutter pivoted to the upper end of the can support, and a vertically swingable link pivotally connecting the cutter to the upper end of the fixed support and adapted for moving the cutter downwardly into can punching position with a can held on the can support upon a predetermined movement of the can support relative to the fixed support.

2,596,477
LIFT TRUCK GRAB ARM MECHANISM FOR CYLINDRICAL BODIES
Joseph A. Frischmann and Robert F. Oster, Cleveland, Ohio, assignors to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application January 21, 1949, Serial No. 71,932
6 Claims. (Cl. 214—66)

1. Roll grip mechanism for use in a lift truck comprising a support member adapted to be mounted on a lift truck, a pair of grip shoe members, means mounting one of said grip shoe members on said support member for motion toward and away from the other shoe member, a backing shoe between said grip shoes and disposed adjacent said support member, means pivotally mounting said backing shoe between said grip shoes for motion generally perpendicular to the line of motion of said one grip shoe, actuating means for said one grip shoe, and toggle link means coupling said backing shoe to said actuating means and to said support structure to cause said backing shoe to move forwardly as said one grip shoe approaches the other.

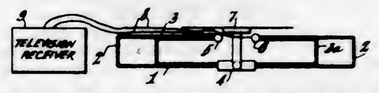


2,596,478
TRUCK AND TRAILER BODY
Fred Gerhardt, Fresno, Calif., assignor of one-half to Bernard Werfel, Fresno, Calif.
Application August 29, 1949, Serial No. 112,990
6 Claims. (Cl. 296—28)



1. A load supporting body for a vehicle comprising an upwardly extended wall mounted longitudinally of the vehicle, said wall having laterally disposed upwardly convergent sides; and floors mounted on the vehicle on opposite sides of the wall and at each side of the wall being substantially normal to their respectively adjacent side of said wall and upwardly and outwardly extended therefrom, said floors being formed with elongated, transversely substantially U-shaped channels laterally extended from the wall across their respective floors having substantially flat horizontal bottoms substantially flush with their respective floors adjacent to the wall and outwardly from the wall diverging from their floors.

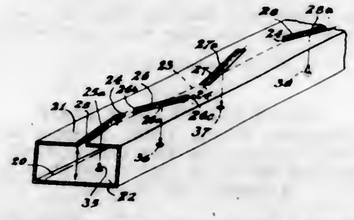
2,596,479
HEAT RADIATOR AND ANTENNA
Hallan E. Goldstine, Port Jefferson Station, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1949, Serial No. 71,778
7 Claims. (Cl. 250—33)



4. A combination antenna and solar energy receiving device, comprising a metallic sheet positioned inside the room of a building adjacent a

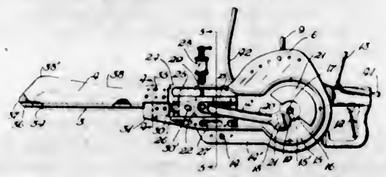
window, said metallic sheet being arranged in a vertical plane and extending across the width of said window said sheet having the ends thereof folded back to lie adjacent each other and being effectively divided at its center into two halves, adjustable strap members arranged in said halves and means for respectively securing said halves to the frame of the window.

2,596,480
DIRECTIVE ANTENNA FOR MICROWAVES
Ernest W. Guptill, Montreal, Quebec, and William Heriot Watson, Saskatoon, Saskatchewan, Canada, assignors to National Research Council, Ottawa, Ontario, Canada, a body corporate of Canada
Application November 20, 1947, Serial No. 787,190
In Canada November 20, 1946
13 Claims. (Cl. 250—33.63)



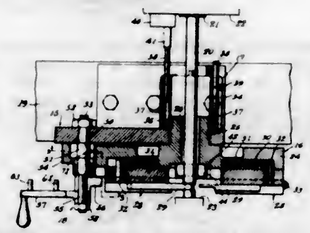
11. An antenna for microwaves comprising a wave guide of rectangular section having a plurality of slots of greater length than width formed in one broad face thereof, the centres of said slots being spaced at regular intervals along the length of said guide, alternate slots being oppositely inclined at acute angles to the center line of said broad face, and having their centers displaced on opposite sides of said center line, the angles of inclination of successive slots and the distances of displacement of the centres of successive slots along said wave guide being of progressively increasing values in the direction of travel of waves in said guide.

2,596,481
BRISKET SAW
William John Hincks, Norwood, Manitoba, Canada, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada
Application August 25, 1948, Serial No. 46,081
2 Claims. (Cl. 17—23)



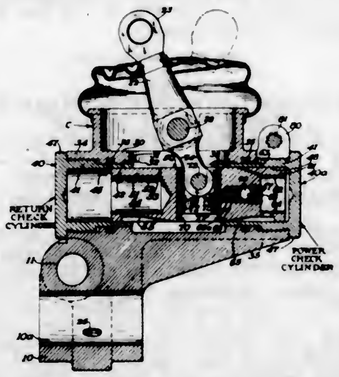
1. A power driven brisket saw comprising in combination with a prime mover, a casing surrounding the same, a reciprocating short-stroke saw-blade operably connected to said prime mover, a cutting edge on said saw-blade and a shroud connected to said casing, and flanking said blade, the dimension of said shroud on any line drawn therethrough normal to the major axial plane being relatively slender, said shroud being londitudinally slotted to permit of the projection of said cutting edge therethrough, the distal end of said shroud being of snub-nosed contour, the contour of said shroud when in situ and observed in side elevation inclining from said distal end upwardly to a rounded apex and from thence descending in a slower gradient towards the attached end.

2,596,482
TOOL-HOLDING INDEXING TURRET
Joseph A. Howard, Sun Valley, Calif.
Application April 21, 1950, Serial No. 157,255
9 Claims. (Cl. 29—41)



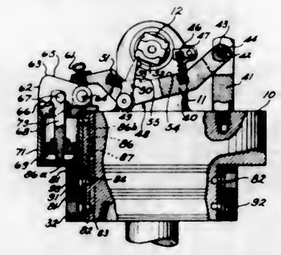
9. In a device of the character described, a support bracket movable longitudinally relative to a length of stock, a turret mounting a plurality of tools and revolubly carried by the bracket, said turret having a central passage through which said stock extends, stop means also carried by the bracket to locate the latter and the tools on the turret longitudinally relative to said stock, a single revolution operating handle carried by the bracket beyond the periphery of the turret, a member controlled by said handle to move one of said tools into position to operate on the stock, and means operatively interengaging said handle and turret to index the latter and the stop means, simultaneously.

2,596,483
LOOM CHECK
George H. Hufferd, Shaker Heights, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application October 27, 1947, Serial No. 782,342
8 Claims. (Cl. 139—161)



1. In combination in a loom, a lay and rock shaft assembly, a picker stick and means to pivotally mount the picker stick in the loom, a double-acting liquid check device having a housing member rigidly mounted on said assembly, and including a plurality of opposed cylinder members adjustably mounted therein, a horizontally reciprocating double-acting check piston sliding in said housing, a reservoir, by-pass means between each cylinder and said reservoir past the associated piston, an operating arm pivoted in said housing and slidably connected to said piston, and a link pivotally connected to said arm and to said picker stick, said by-pass means being restricted by the associated piston acting to check said picker stick toward the end of its power stroke and its return stroke, adjustment of said cylinder member regulating the position at which said by-pass means are restricted.

2,596,484
INDEXING CHUCK
Fred Hunziker, University Heights, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application August 16, 1949, Serial No. 110,658
10 Claims. (Cl. 279—5)



6. In an indexing chuck, a chuck body arranged for mounting on a rotating spindle, a work-gripping means rotatably mounted on said body, indexing mechanism for said work-gripping means, said indexing mechanism comprising an indexing wheel for one of said work-gripping means, said indexing wheel having a plurality of flat faces with a notch at each face thereof, a lever pivoted to said body to one side of said indexing wheel and extending across the face thereof a pawl on said lever for engaging one of said notches, actuating means for said indexing mechanism, said actuating means comprising a cylinder rotatable with said body, the axis of said cylinder being generally parallel to and spaced from the chuck axis of rotation, a piston in said cylinder, means connecting said piston with said lever on the opposite side of said indexing wheel from said lever pivot, a stationary fluid inlet annulus making sealing engagement with said body, and fluid passageway means in said body between said annulus and cylinder.

2,596,485
TITANIUM BASE ALLOY
Robert I. Jaffee and Horace R. Ogden, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
No Drawing. Application December 2, 1950, Serial No. 198,917
4 Claims. (Cl. 75—134)

1. A ductile alloy consisting essentially of 2% to 5% aluminum, 1% to 6% chromium, 1% to 6% molybdenum, balance titanium.

2,596,486
TITANIUM-BASE ALLOYS
Robert I. Jaffee, Horace R. Ogden, and Daniel J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
No Drawing. Application February 7, 1951, Serial No. 209,902
4 Claims. (Cl. 75—134)

1. An alloy consisting essentially of from about 3.5% to about 10% aluminum, from about 1% to about 5% indium, from about 0.02% to about 0.3% carbon, balance titanium.

2,596,487
TITANIUM-BASE ALLOYS
Robert I. Jaffee, Horace R. Ogden, and Daniel J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
No Drawing. Application March 2, 1951, Serial No. 213,688
5 Claims. (Cl. 75—134)

1. An alloy consisting essentially of from 3.5% to 5% aluminum, from 0.5% to 5% antimony, from 0.02% to 0.3% carbon, balance titanium.

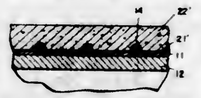
2,596,488
TITANIUM-BASE ALLOYS
Robert I. Jaffee, Horace R. Ogden, and Daniel J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
No Drawing. Application March 2, 1951, Serial No. 213,689
7 Claims. (Cl. 75—134)

1. An alloy consisting essentially of from 3.5% to 5% aluminum, from 0.5% to 5% bismuth, from 0.02% to 0.3% carbon, balance titanium.

2,596,489
TITANIUM-BASE ALLOYS
Robert I. Jaffee, Horace R. Ogden, and Daniel J. Maykuth, Columbus, Ohio, assignors, by mesne assignments, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
No Drawing. Application March 2, 1951, Serial No. 213,690
5 Claims. (Cl. 75—134)

1. An alloy consisting essentially of from 3.5% to 5% aluminum, from 0.1% to 1% boron, balance titanium.

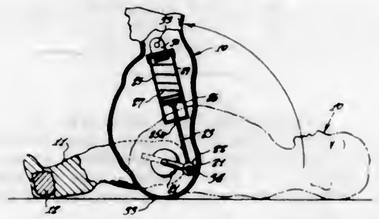
2,596,490
PIPE AND METHOD OF MAKING SAME
Fred F. Jenkins, Lynwood, Calif., assignor to American Pipe and Construction Co., a corporation of Delaware
Application August 10, 1948, Serial No. 43,386
7 Claims. (Cl. 138—66)



4. A composite concrete steel shell pipe comprising a steel shell having an inner lining of concrete, a thin coating of neat hydraulic cement

on the exterior of said shell, and a layer of hydraulic cement mortar over said coating, said mortar originally having had a low water/cement ratio.

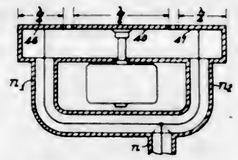
2,596,491
DOLL
Benjamin Kinberg, New York, N. Y.
Application August 4, 1950, Serial No. 177,599
3 Claims. (Cl. 46—119)



1. A figure comprising a hollow body and two legs, a crank shaft having a crank intermediate the length thereof, the ends of said shaft being rigidly secured to said legs thereby pivoting said legs to said body, means connecting said body with said legs for normally urging said body to pivot about said legs from a "cocked" position in which said body and legs are substantially in alignment to a position in which said body lies at a substantially large angle to said legs, said means comprising a cylinder mounted in said body, a piston slidably mounted in said cylinder, a piston rod extending from said piston and having the free end thereof pivoted to said crank, a compression spring mounted in said cylinder between said piston and the head end of the cylinder, said cylinder having a vent through the wall thereof positioned between approximately the middle of the cylinder and the head end thereof, an air escape passage of smaller cross-sectional area than that of said vent for escape of air past said piston, forcible manual alignment of said body with said legs causing said crank to push said piston from a position rearward of said vent to a position near the head end of the cylinder thereby compressing said spring and partly compressing the air in the cylinder between said vent and the head of the cylinder after said piston has passed said vent in moving toward the head of the cylinder and thus forcing said partly compressed air through said escape passage and out through said vent, subsequent release of said figure causing said spring to expand to urge said piston outward from the cylinder, the outward movement of the piston thus resulting being resisted and hence slowed for an interval of time until the piston has moved rearward past said vent owing to the relatively smaller cross-sectional area of said escape passage.

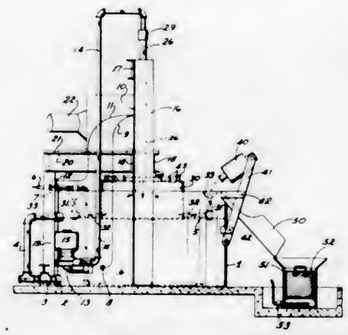
2,596,492
ANTENNA SYSTEM
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 9, 1944, Serial No. 553,321, now Patent No. 2,540,536, dated February 6, 1951. Divided and this application October 19, 1949, Serial No. 122,260
12 Claims. (Cl. 343—100)

1. A system for radiating an energy wave of rotating polarization including a substantially planar radiator capable of having energy induced therein with the subsequent plane of polarization oriented equally well in any direction in the plane of said radiator, means for rotating said radiator, means for coupling said radiator



to a source of high frequency energy, and means for causing the direction in which said energy is induced in said radiator to progress around said radiator as said radiator is rotated.

2,596,493
METAL TEMPERING APPARATUS
Robert J. Linney, Port Henry, N. Y.
Application April 28, 1948, Serial No. 23,693
7 Claims. (Cl. 134—57)

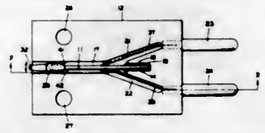


5. Apparatus for tempering metal objects comprising a rotatable tank containing cooling liquid and having a plurality of members adapted to carry heated ferrous metal objects to be tempered, means to deliver liquid from said tank against such objects on said members to cool them to below the upper limit of their magnetic temperature range, and means for transferring the thus cooled objects from said members, said means including a magnet in fixed position above and outside of the line of travel of said members and means to energize and de-energize said magnet when one of said members is moving therepast.

2,596,494
CERAMIC ELECTROMECHANICAL TRANSDUCER
Thomas E. Lynch, Cleveland, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1948, Serial No. 32,617
16 Claims. (Cl. 179—100.41)

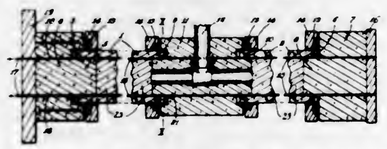
1. An electro-mechanical transducer comprising, an elongated element of electro-mechanically sensitive polycrystalline dielectric material and which has an electro-mechanical response involving a bending of longitudinally extending portions of said element during transducing therein between the mechanical energy associated with said bending and electrical energy, a base block having, for receiving said longitudinally

extending portions of said element, an elongated depressed region including a constricted supporting zone with walls adjacent and rigidly affixed to two opposite sides of one end portion of said elongated element, said element being disposed in spaced relationship to said depressed region of said base block except at said one end portion, mechanical means coupled to said element at the



other end portion thereof for translating said mechanical energy, electrode means on said element for translating said electrical energy, and motion-limiting wall members of said depressed region on said base block, remote from said one end portion of said element and disposed in the direction of said bending thereof at a distance therefrom such as effectively to limit displacements thereof to protect said polycrystalline dielectric material from breakage.

2,596,495
METHOD OF MANUFACTURING PRESTRESSED CONCRETE STRUCTURAL MEMBERS
Stelio Macerata, Johannesburg, Transvaal, Union of South Africa
Application December 31, 1947, Serial No. 795,003
In Great Britain January 10, 1947
1 Claim. (Cl. 72—0.5)



A method of forming an extended structural member originally consisting of a plurality of tubular sections and each respectively provided with a filling conduit, and having end closures with a plurality of tensioning rods extending longitudinally through the inside hollow passages of the tubular sections and through the end closures so that said rods may be accessible for tensioning by means external of the structural member, to tightly press the end closures against the structural member, said method consisting of filling the tubular sections with aggregate while they are being assembled end to end; connecting and sealing juxtaposed ends of the respective adjacent sections to permit free passage of cementitious material and to seal those ends to limit leakage of the cementitious material; similarly closing and sealing the outer ends of the extended member at the end closures to limit leakage; tensioning the several rods; forcing cementitious material under compression into the tubular sections through the conduits until the compression of the filling material exhibits oozing at the sealed regions; re-tensioning the several tension rods to further compress the filling material; additionally packing more cementitious material into the structural member until oozing is again manifested; and repeating such further tensioning of the tension rods and pressure filling of the structural member with cementitious material until the compression value of the filling material attains a predetermined value; and then allowing the cementitious material to set.

2,596,496
NONCOMBUSTIBLE COATING COMPOSITION AND METHOD OF APPLYING
Paul E. Marling and Morris L. Nielsen, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 30, 1948, Serial No. 68,410
6 Claims. (Cl. 260—735)

1. A coating composition essentially comprising a liquid vehicle and the water-insoluble reaction product of at least 5 moles of phosphoryl chloride with one mole of anhydrous ammonia in which the nitrogen-phosphorus ratio is from 1.5:1 to 2.0:1, in combination with chlorinated rubber, said reaction product being present in the said coating composition to the extent of from 10% to 50% by weight of total solids.

2,596,497
PROCESS OF STRENGTHENING A CALCINED SUPPORTED PHOSPHORIC ACID CATALYST
Julian M. Mavity, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 13, 1949, Serial No. 121,231
18 Claims. (Cl. 252—432)

1. A process for increasing the structural strength of a calcined composite of a phosphoric acid and a solid supporting material which comprises treating said composite with a compound of an element selected from the group consisting of aluminum and boron, said compound being reactable with free phosphoric acid in the composite to form a phosphate of said element and being in sufficient amount to add from about 1% to about 10% by weight of said phosphate to the composite, and calcining the thus treated composite.

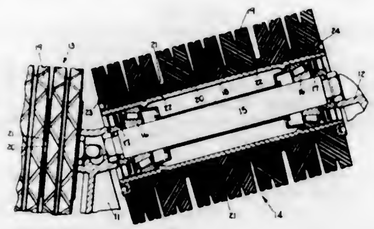
2,596,498
SUPPORTED PHOSPHORIC ACID CATALYST AND PROCESS OF MANUFACTURE
Julian M. Mavity, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 20, 1949, Serial No. 122,597
18 Claims. (Cl. 252—435)

1. A process for improving the thermal stability of a calcined composite of a phosphoric acid and a solid supporting material which comprises treating said composite with an organo compound of a metal selected from the group consisting of magnesium and zinc, said compound being reactable with free phosphoric acid in said composite and being in an amount sufficient to add from about 1% to about 10% by weight of a phosphate of said metal to the composite, and calcining the thus treated composite.

2,596,499
MULTIRUBBER TIRED CONVEYER IDLER
Stanley M. Mercier, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application April 8, 1947, Serial No. 740,013
10 Claims. (Cl. 74—230.7)

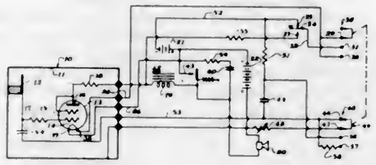
1. A conveyer idler including a tubular hub shell, a plurality of separate rubber tires stacked

on said shell, means providing interlocking projection and recess means on said tires, and spacer ring means interposed between adjacent tires



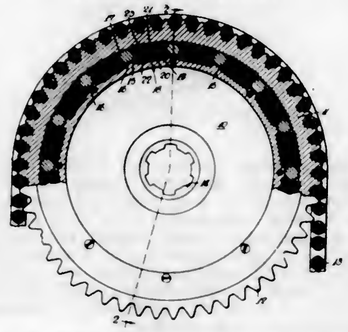
constructed to cooperate with said interlocking means to effectuate an interlock between successive tires through said ring.

2,596,500
POCKET RADIATION ALARM
Everett W. Molloy, Wilmar, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application March 7, 1950, Serial No. 148,173
4 Claims. (Cl. 250—83.6)



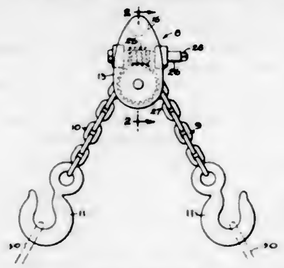
1. A compact radioactive alarm device comprising an ionization chamber, a thermionic tube, and a source of potential, said ionization chamber having an anode and a cathode, said thermionic tube having a cathode, control grid and anode, means electrically connecting the chamber cathode to the thermionic tube control grid, means electrically connecting the negative pole of the source of potential to the thermionic tube filament, means electrically connecting the positive pole of said source of potential to the ionization chamber anode and the thermionic tube anode, a first capacitor and a second capacitor each having first and second terminals, means electrically connecting the first terminal of the first capacitor to the thermionic tube grid, first switch means for connecting the second capacitor first terminal to the negative pole of said source of potential and the second terminal of the second capacitor and the second terminal of the first capacitor to the positive pole of the potential source, second switch means disconnecting said first switch means and connecting the first terminal of the second capacitor to a positive portion of the source of potential and the second terminal of the second capacitor to the second terminal of the first capacitor, third switch means for disconnecting the second switch means and connecting the second terminal of the first capacitor to the thermionic tube cathode, whereby the thermionic tube grid is conditioned to a below cut-off negative bias with respect to the cathode, and the ionization chamber cathode is impressed with a negative potential.

2,596,501
SPROCKET OR THE LIKE
Donald H. Montgomery, West Hartford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application February 14, 1947, Serial No. 728,694
6 Claims. (Cl. 64—27)



1. In a device of the character indicated, an inner member including a plurality of angularly spaced outer arcuate surfaces arcuate about substantially a common axis, an annular outer member having a plurality of angularly spaced arcuate inner surfaces arcuate about substantially a common axis, antifriction means abutting the arcuate surfaces of both said members, whereby said outer member may be radially spaced from said inner member with freedom for partial relative rotation of said members, and a plurality of resilient members of rubber-like material in the angular spaces between said arcuate surfaces and in engagement with the said inner and outer members, the effective angular width of said arcuate surfaces about said axis being substantially equal to the effective angular width of each said antifriction means, whereby said resilient members may retain said antifriction means.

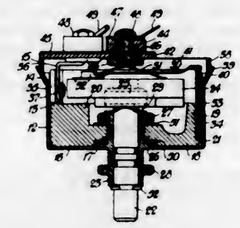
2,596,502
LOAD-HANDLING SLING
George E. Moore, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application February 17, 1949, Serial No. 76,914
1 Claim. (Cl. 294—74)



A load-handling sling comprising, in combination, a load block having a one-piece frame consisting of a single open casting, said frame including two flat upright side members having a generally elliptical configuration larger at the lower end than at the upper end, said side members being spaced apart from each other and

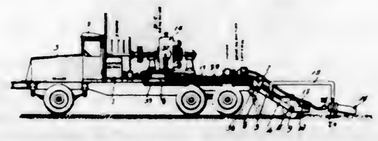
interconnected at their upper ends by a generally cylindrical top cross member forming an integral part of said side members and shaped for cooperation with a support member, an axle shaft extending between the central sections of the broad lower portions of said side members and located upwardly a substantial distance from the lower ends of said members, a generally round load supporting element rotatably mounted on said axle shaft, a load carrying chain disposed over said element and having opposite ends extending downwardly from opposite sides thereof, said element including an annular sheave having indentations thereon for receiving links of said chain in non-slip relation and an annular worm wheel integrally formed with said sheave and spaced from said indentations along said axle shaft, the diametrical dimensions of said rotatable element being commensurate with but slightly less than the width of said side members so that said side members cover opposite ends of said element in protective relation thereto, two opposed side cross members disposed generally parallel to said top cross member and connecting opposed front and rear portions of the vertical side edges of said side members, said side cross members being integrally formed with said side members and located substantially on a level with the upper extension of said worm wheel, a shaft journaled in said side cross members to extend across said worm wheel, and a worm on said shaft meshing with said worm wheel.

2,596,503
ELECTRIC RESISTANCE APPARATUS
Leonard Albert Newnham, Cockfosters, England, assignor to The British Electric Resistance Company Limited, Enfield, England
Application September 1, 1950, Serial No. 182,679
In Great Britain March 11, 1949
3 Claims. (Cl. 201—48)



1. A sealed potentiometer comprising a cylindrical metal pot, having an outwardly inclined surface terminating in an annular collar, a flanged removable cover for said pot, the edge of the flange of said cover being inwardly inclined and the flange being formed with an annular recess on the inner surface thereof, a gasket in said recess, electrical terminals on said cover and insulated therefrom, an arcuate resistance element mounted within said pot adjacent the cylindrical wall thereof, thin strip mica between said element and said wall and in intimate contact therewith, a spindle mounted in the pot for rotation therein, a brush contact carried on said spindle slidably engaging said element, and electrical conductors from said brush and said element to said terminals.

2,596,504
APPARATUS FOR TREATING SOIL
Fred W. Opp, Costa Mesa, Calif., assignor of one-half to Walter C. Collins, Santa Ana, Calif.
Application October 13, 1947, Serial No. 779,455
6 Claims. (Cl. 47—1.3)



4. An apparatus for treating the soil in situ which comprises a vehicle adapted to be moved over the soil to be treated, a set of grounding electrodes supported by said vehicle and contacting the soil to be treated; a plurality of insulated electrodes supported by said vehicle and in contact with the soil to be treated, the insulation of said latter electrodes preventing direct electrical connection with the soil so as to confine the treatment to arc discharge; a source of D. C. electrical potential mounted on said vehicle and connected to both of said electrodes; and a distributor in the connection between the source of electric potential and insulated electrodes for successively connecting the insulated electrodes to the potential source; and means on said vehicle for spraying water glass onto the soil to be treated in advance of the contact of said soil by said electrodes.

2,596,505
ELECTRIC SWITCH COMBINED WITH FLUID CONTROL VALVE
John Pacifico, Staten Island, N. Y.
Application August 25, 1950, Serial No. 181,339
2 Claims. (Cl. 200—53)

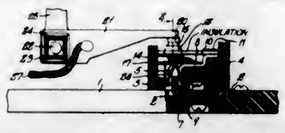


1. In combination, a fluid control valve having a turn knob, an electric switch turn knob, one of said knobs having a projection thereon, the other of said knobs having a recess therein for receiving the projection, said recess being larger than the projection to allow limited relative movement between said other of said knobs and said projection, balance spring means connecting said knobs and normally maintaining the projection positioned in said other knob, said other knob having a contact element engageable with the projection when one of said knobs is turned to turn the other of said knobs.

2,596,506
ELECTRIC CIRCUIT BREAKER
Robert G. Page, New Britain, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application December 21, 1950, Serial No. 201,943
6 Claims. (Cl. 200—166)

1. In an electrical circuit breaker, a lower fixed terminal blade, an upper movable switch arm and a contact unit between said blade and switch arm including a body portion of strip metal having downwardly extending spaced contact jaws formed on one end thereof for engaging said terminal blade and having an offset portion formed on the opposite end, an insulating plate secured to said offset end and extending parallel to said

body portion in spaced relation, a movable contact member guarded by said insulating plate, a flexible conductor connecting said body portion and said movable contact member, and a spiral



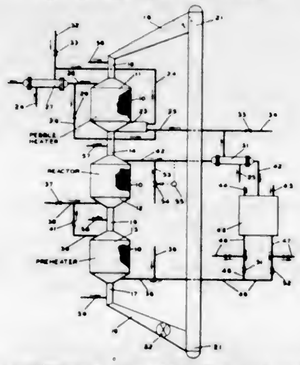
spring between said body portion and said movable contact member for urging said movable contact member into engagement with said upper switch arm.

2,596,507

MANUFACTURE OF HCN

Charles W. Perry, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application June 17, 1946, Serial No. 677,357
8 Claims. (Cl. 23—151)



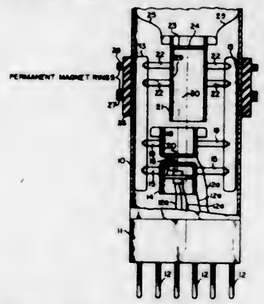
1. A continuous process for manufacturing HCN which comprises continuously flowing by gravity a contiguous fluent mass of hot ⅛" to 1" spherical refractory non-catalytic pebbles thru a series of substantially vertically arranged zones comprising a pebble heating zone and a reaction zone positioned below said pebble heating zone and communicating therewith thru an unobstructed relatively narrow elongated zone, each of said zones being substantially filled with said contiguous mass of pebbles and permitting relatively unrestricted flow of pebbles therethru; regulating the flow of pebbles through said zones solely at a point downstream of the lowermost of said zones so as to maintain a compact and contiguous stream of pebbles extending through said zones; continuously contacting that section of said contiguous mass of pebbles flowing thru said pebble heating zone with a stream of hot gas at a temperature and flow rate regulated to insure heating of said pebbles to a temperature substantially above a predetermined reaction temperature in the range of 1500° to 3000° F.; continuously contacting that section of said contiguous mass of pebbles flowing thru said reaction zone with a stream of reactant gases comprising NH_3 and a carbon compound from the group consisting of CO and low molecular weight hydrocarbons at a gas-flow rate regulated to maintain said reactant gases at said predetermined reaction temperature solely by heat transfer from said pebbles whereby a substantial portion of said reactants are converted to HCN; continuously removing pebbles from the reaction zone; continuously introducing pebbles to said pebble heating zone; and recovering effluents from the reaction zone.

2,596,508

ELECTRON GUN FOR CATHODE-RAY TUBES

Willis E. Phillips, Deerfield, and Constantin S. Szegho, Chicago, Ill., assignors to The Rauland Corporation, a corporation of Illinois

Application April 19, 1950, Serial No. 156,746
7 Claims. (Cl. 313—85)



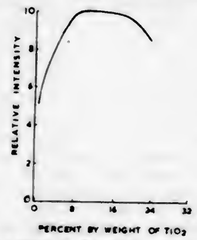
1. An electron-gun structure for an ion-trap type of cathode-ray tube comprising: a first tubular electrode having an apertured transverse wall and having a right-angle end portion; a cathode for emitting electrons; a second tubular electrode having a right-angle end portion adjacent to and facing said end portion of said first electrode and aligned with said cathode along a common axis offset with respect to the axis of said first electrode by a distance small compared with the diameter of said first electrode; a centrally apertured transverse wall included in said second electrode through which a mixed beam of ions and electrons emerges along said common axis; and terminal connections extending to said electrodes to establish a difference of potential therebetween and create a transverse electric field at said offset end portions of said electrodes for directing said mixed beam into said first electrode along a path that is divergent in the direction of the offset of said second electrode.

2,596,509

TITANIUM ACTIVATED BARIUM PYROPHOSPHATE PHOSPHOR

Peter Whitten Ranby, London, England, assignor to Thorn Electrical Industries Limited, London, England, a company of Great Britain

Application April 10, 1951, Serial No. 220,177
In Great Britain July 17, 1950
8 Claims. (Cl. 252—301.4)



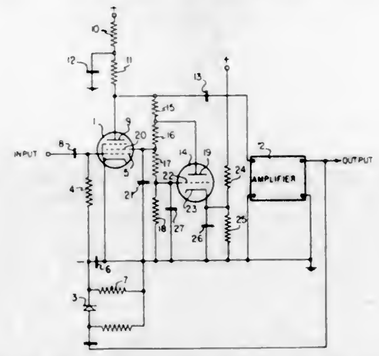
1. A titanium-activated barium pyrophosphate phosphor, the titanium being present in an amount between about 0.05 per cent to about 50 per cent by weight of titanium, taken as metal, in the barium phosphate.

2,596,510

VOLUME COMPRESSION CIRCUIT

David E. Roberts, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois

Application August 23, 1947, Serial No. 770,249
3 Claims. (Cl. 179—171)



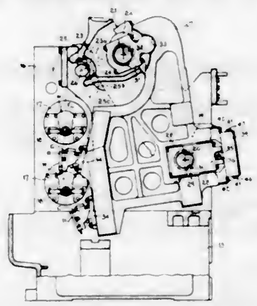
3. In an amplifier having a controlled amplification stage and means for automatically applying a volume control voltage to said controlled stage from a subsequent stage of the amplifier to hold the output of said controlled stage within a desired range, and in which the volume control voltage may have steep wave fronts which tend to cut off said controlled amplification stage, a system for limiting the effect of said steep wave fronts including in combination, an amplifier tube in said controlled stage including a plate and a cathode, first resistance means connecting said plate to a source of potential and operating to drop the voltage of said plate below the voltage of said source when current is drawn therethrough and allowing the voltage of said plate to approach the voltage of said source when said amplifier tube is cut off, voltage divider means connected across said plate and said cathode of said amplifier tube, a triode tube having a plate and a grid, said plate of said triode tube being connected to a first intermediate point on said voltage divider means so that a portion of the voltage at said plate of said amplifier tube is applied to said plate of said triode tube, said grid of said triode tube being connected to a second intermediate point on said voltage divider means between said first intermediate point thereon and the end thereof connected to said cathode of said amplifier tube and providing a bias for said triode tube, said first resistance means and the portion of said voltage divider means between said plate of said amplifier tube and said first intermediate point thereon providing a path for the plate current of said triode tube, said first and second intermediate points on said voltage divider means applying potentials to said plate and said grid of said triode tube so that the plate current of said triode tube is low when said amplifier tube is operating with the output thereof within the desired range, with the voltage applied to said plate and grid of said triode from said voltage divider means increasing when the plate voltage of said amplifier tube increases above the desired range to cause substantially increased plate current through said triode and through said resistance means, and thereby increasing the voltage drop across said resistance means to reduce the plate voltage of said amplifier tube.

2,596,511

CRANKSHAFT LATHE TOOL FEEDING MECHANISM

Harold J. Sickmann and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio, a corporation of Delaware

Application October 30, 1948, Serial No. 57,578
3 Claims. (Cl. 82—9)



3. In an orbital lathe having a frame, a work spindle journaled for rotation in said frame, a lower master crankshaft journaled in said frame, a shifting means pivotally journaled on said lower master crankshaft, a feeding cradle pivotally mounted on said frame for swinging movement about the axis of said lower master crankshaft, an upper master crankshaft, a tool carrier having the upper end pivotally journaled on a crank pin of said upper master crankshaft and the lower end slidably mounted on said shifting means on said lower master crankshaft, a plurality of cutting tools fixed on said tool carrier in different operative positions relative to a line of feeding movement, means to actuate said shifting means to move said tool carrier about a crank pin of said upper master crankshaft to present each of said cutting tools successively in operative position on said line of feeding movement to perform a machining operation on a workpiece in said work spindle, means for moving said cradle in feeding movement, and control means governed by the position of said last mentioned means to render said means to actuate said shifting means operative for swinging said tool carrier relative to a crank pin of said upper master crankshaft.

2,596,512

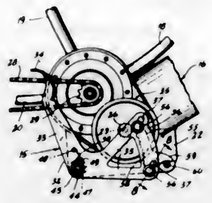
KICK STARTER

Frank S. Thomas, Jr., St. Louis, Mo., assignor to Development Corporation, Inc., St. Louis, Mo., a corporation of Missouri

Application April 30, 1948, Serial No. 24,352
6 Claims. (Cl. 123—185)

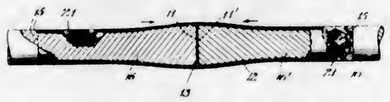
1. A starting device, comprising a bell crank lever pivotally mounted for movement between a first position and a second position; pinion rotating means mounted on one arm of said bell crank lever for limited movement in a predetermined direction relative thereto; and means guiding the movement of the pinion rotating means relative to the bell crank lever, said pinion

rotating means having free and unencumbered limited movement relative to said one arm except



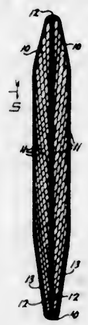
for that caused by contact with the guiding means.

2,596,513
METHOD OF FORMING FLEXIBLE JOINTS IN BELTING
Berne Tocci-Guilbert, San Francisco, Calif.
Application August 19, 1948, Serial No. 45,071
5 Claims. (Cl. 154—116)



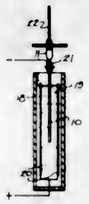
1. A method of joining the ends of round belting having end portions adapted to be joined by a woven constrictable sleeve, the steps of cutting down the diameter of the abutting ends to accommodate the thickness of the sleeve, applying an adhesive coating to the said end portions to be joined, inserting the said adhesively coated end portions in the said sleeve with a fusible disk therebetween, and applying heat to fuse each of the said abutting end portions to the said disk.

2,596,514
SLICED BACON PACKAGE
Louis B. Uehlein, Chesaning, Mich., assignor to G. M. Peet Packing Co., Chesaning, Mich., a corporation of Michigan
Application April 10, 1950, Serial No. 154,904
8 Claims. (Cl. 99—174)



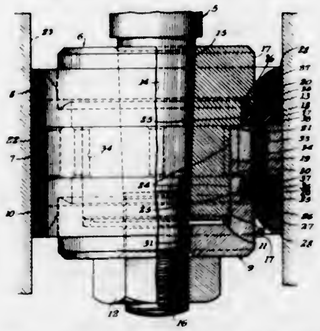
1. A package comprising a centrally disposed reinforcing member reversely bent upon itself, a shingled layer of bacon on either exposed surface of said member, extensions on either end of said reinforcing member reversely bent relative to said member over-lapping the ends of said shingled bacon, and a transparent member covering said bacon and reinforcing member.

2,596,515
COATING VITREOUS SUBSTANCES
George B. Watkins and Romey A. Gaiser, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 14, 1946, Serial No. 654,389
8 Claims. (Cl. 204—30)



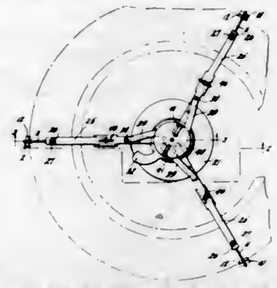
1. A method of coating a surface of a glass article with metal, comprising treating said surface by exposing it while at a temperature in the neighborhood of its softening point to the chemical action of a tin halide in fluid form in contact therewith, placing the treated surface as a cathode in an electroplating bath opposite a stationary anode having a surface area coextensive with the entire area of said treated surface, and causing a metallic coating to be continuously formed on the treated surface at the line of juncture of said surface and the surface of the electroplating bath by lowering the surface of the electroplating bath while the metallic coating is forming on the surface of the glass article until said article is entirely out of said bath and a uniform coating has been deposited.

2,596,516
PISTON CONSTRUCTION
Welton G. Wellington, Pomona, Calif., assignor to Falcon Products, Inc., Pomona, Calif., a corporation of California
Application July 8, 1948, Serial No. 37,695
2 Claims. (Cl. 309—23)



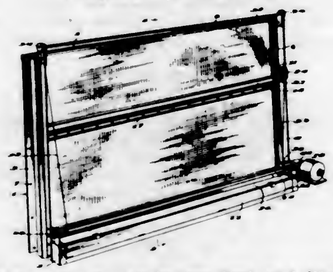
1. A piston structure comprising a pair of oppositely disposed packing rings each formed with an inner annular flange defined by a flat edge at one end and an angular dove-tail edge at the other, said latter edges being opposed, a spacer plate substantially flush with the outer surface of the packing rings and disposed between the packing rings and being apertured, an integral portion connecting the packing rings through said aperture, and telescopic members clamping said spacer plate and having opposed dove-tail seats for the dove-tail edges of the packing rings.

2,596,517
TRACTION DEVICE FOR VEHICLE WHEELS
Clifford G. Allen, Hartville, Ohio
Application June 16, 1949, Serial No. 99,541
10 Claims. (Cl. 152—225)



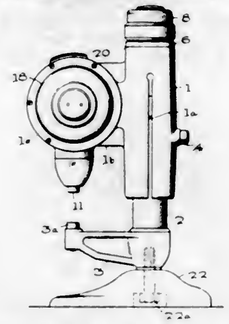
1. A removable traction device for tire-equipped vehicle wheels, comprising a plurality of circumferentially-spaced traction grips each adapted to extend transversely of, and to overlie, the tread portion of the tire when the device is mounted on said tire-equipped wheel, a centrally-positioned base member, radially-disposed arms secured at their inner ends to said base member with their outer ends terminating adjacent the periphery of the tire at one side thereof, the outer ends of said arms including means for pivotally mounting said traction grips thereon, radially-movable slide bars mounted for longitudinal movement with respect to each of said arms, means to move the slide bars inwardly toward the base member and outwardly therefrom, and means connecting said slide bars and said traction grips whereby inward and outward movement of said bars will swing said traction grips about their pivotal mountings at the ends of said radially-disposed arms and into and out of positions overlying said tread portion.

2,596,518
APPARATUS FOR CLEANING FILTER SCREENS
Agnew H. Bahnson, Jr., Winston-Salem, N. C., assignor to Katharine King Bahnson, Winston-Salem, N. C.
Application September 11, 1950, Serial No. 184,316
7 Claims. (Cl. 183—52)



1. Apparatus for stripping lint and like material from a flat filter screen through which air is adapted to be passed under pressure comprising a blade having its edge in contact with the face of said screen at the air intake side thereof, means for advancing said blade across the face of said screen to strip the lint therefrom, and means providing a trap chamber contiguous to and following said blade as related to the direction of blade movement for collecting lint passed thereunder, said chamber being generally coextensive in length with said blade, open along one side thereof to said screen and adapted to have a partial vacuum created within the same by the air suction through said screen.

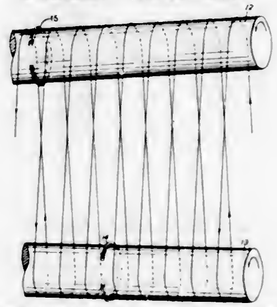
2,596,519
DISTANCE COMPARATOR GAUGE
Donald J. Baker, Los Angeles, Calif.
Application September 28, 1944, Serial No. 556,212
7 Claims. (Cl. 33—147)



1. In a measuring gauge, the combination of a housing, a disk rotatably supported within said housing and having a flat side face normal to its axis of rotation, a circular cam adjustably secured to said flat face of said disk, a movable plunger carried by said housing and positioned to move radially of said cam, biasing means for urging said plunger into engagement with the peripheral edge of said cam, a rotary knob mounted on the outside of said housing in axial alignment with said rotary disk, and connecting means passing from said rotary knob through an arcuate slot formed in said housing at a fixed distance from the axis of said disk and serving to rotate said cam by said knob.

2. A combination according to claim 1 wherein said knob embodies a friction clutch interposed in the driving connection between said knob and said cam.

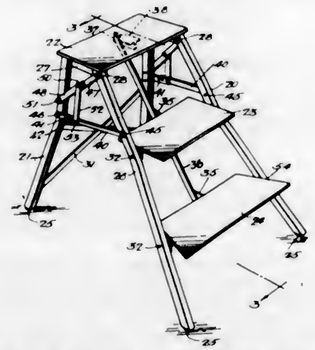
2,596,520
THREAD GUIDING APPARATUS
Sydney Warren Barker, Colne, England, assignor to Lustrafil Limited, Nelson, England
Application July 22, 1947, Serial No. 762,552
In Great Britain January 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 4, 1963
4 Claims. (Cl. 68—176)



1. Apparatus for the continuous production and treatment of thread comprising a pair of

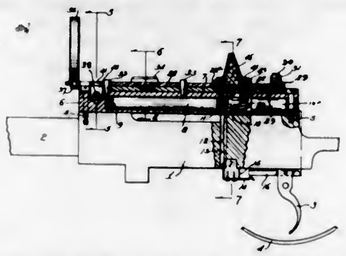
mutually inclined, rotating rollers acting together as a thread-storing, thread-advancing device along which the thread traverses in a succession of helical loops at spaced intervals, wherein at least one of the rollers is provided with at least one peripheral flange separating adjacent treatment zones, each flange being interrupted for a distance of not less than one-sixth of its length by a gap to provide a cross-over for the thread.

2,596,521
STEPLADDER
Jerome B. Bell, Wallingford, Pa.
Application May 7, 1949, Serial No. 92,035
4 Claims. (Cl. 228—33)



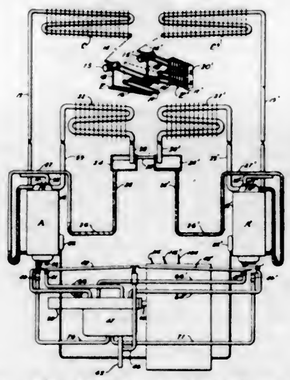
1. In a step ladder, front and back rails, a top step pivotally connecting the front and back rails, lower limiting bars extending between one front rail and the adjoining back rail, pivotally connected to the respective rails and to one another, upper limiting bars extending across between the same front and back rails, pivotally connected to those front and back rails at points above the lower limiting bars and pivotally connected to one another and an intermediate limiting bar extending across between the upper and lower limiting bars and pivotally connected to the upper and lower limiting bars.

2,596,522
ILLUMINATED GUN SIGHT
Clarence E. Bethke, Milwaukee, Wis.
Application June 10, 1950, Serial No. 167,417
2 Claims. (Cl. 33—47)



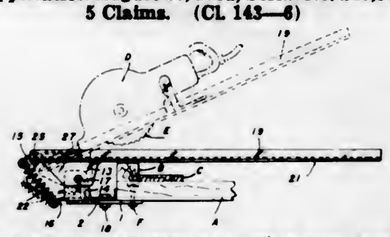
1. In a gun sight, a mounting base, a source of illumination in said base, a bed plate secured to said mounting base, a lens plate carried by said bed plate, a projector mounting in said lens plate, a light reflecting prism lens projector carried by said mounting, one face of said projector being opaque except for a defined light passageway therein, a light passageway connecting said source of illumination and said one face of said projector, and a lens carried by said lens plate in the path of light rays reflected by said projector.

2,596,523
REFRIGERATOR AND CONTROL MECHANISM THEREFOR
George A. Brace, Highland Park, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 21, 1948, Serial No. 3,475
14 Claims. (Cl. 62—5)



1. In a refrigerating apparatus of the type having a part which is alternately subjected to heating and cooling to cause operation of the apparatus, a gas burner arranged to heat said part, cooling means arranged to conduct a cooling medium in heat exchange relation with said part, said cooling means including a heat responsive portion for interrupting flow of cooling medium to said part when heated and arranged to be heated when said heating means applies heat to said heated part, an auxiliary gas burner arranged to heat said heat responsive portion, means for supplying gas to said gas burners, cycling control means operating said gas supply means to supply gas to said first mentioned gas burner intermittently to heat said part and said heat responsive portion, and refrigeration demand responsive means for modifying the action of said cycling control means to supply gas to said auxiliary gas burner only to prevent cooling of said part when refrigeration demand is satisfied.

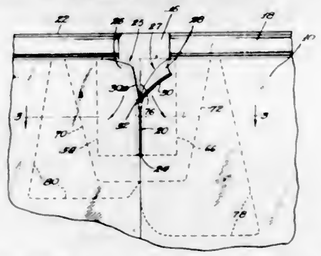
2,596,524
PORTABLE POWER SAW GUIDE AND SUPPORTING MEANS
Gail L. Bridwell, Santa Ana, Calif.
Application August 27, 1951, Serial No. 243,879
5 Claims. (Cl. 143—6)



1. A portable power saw guide and support comprising a base plate to be secured to a work

table, a head plate formed with vertically depending integral perforated ears, and a pair of guiding and supporting track members rigidly mounted on said head plate and disposed parallel to each other and each having a horizontal supporting flange and a vertical guiding flange, said respective guiding flanges being disposed at the outer portions of said respective supporting flanges and spaced from each other such distance as to snugly slidably receive between them the body of a portable power saw, in combination with a swivel plate formed with vertically upwardly extending integral perforated ears fitting between the ears of said head plate, the perforations of all of said ears being in transverse alignment, means pivotally connecting the respective ears of said swivel plate with the respective ears of said head plate, a bolt and nut securing said swivel plate to said base plate for pivotal movement about said bolt in a horizontal plane, the rear edge portion of said base plate being formed with a plurality of notches, a pivotally mounted spring pressed catch mounted in fixed position on said swivel plate and extending through the same and normally engaging in a selected one of said notches to lock said head plate, track members and swivel plate in any selected position of angular adjustment, and tension spring means connecting the rear portion of said head plate and said swivel plate and tending to pull the rear portion of said head plate down and to swing the track members up.

2,596,525
TROUSER POCKET STRUCTURE
Herman Buelow, Chicago, Ill.
Application December 16, 1949, Serial No. 133,347
10 Claims. (Cl. 2—227)



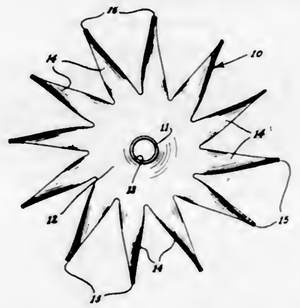
9. A nether garment comprising, in combination: a main body portion; said main body portion having a vertical slit running downward from a predetermined point; manually operable fastening means for opening and closing said slit, in the nature of a zipper sliding up from the bottom of said slit to close it; a bridging portion above said slit and adjacent its upper end; permanent fastening means fastening said bridging portion to said main portion at points spaced horizontally in both directions from said slit; whereby opening said slit liberates foldable corner areas of said main portion, which may be displaced to admit a hand; and a pocket structure communicating with the opening thus made available.

2,596,526
ELECTRICAL PRECIPITATOR
Gordon Busfield, Annandale, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application April 25, 1950, Serial No. 158,023
4 Claims. (Cl. 183—7)

1. A collecting electrode structure comprising a plurality of superimposed sections; each section comprising a plate; members projecting angularly upward, alternately toward one side of the electrode structure then toward the other side, from the upper edge of each of said plates and extending above the lower edge of the next higher plate in the structure: an angularly disposed baffle member spaced from said upwardly projecting member and cooperating therewith to define a trough extending along the lower edge of said next higher plate and open alternately toward one side of the electrode structure then toward the other side, along the lower apex of the trough adjacent the upper edge of the plate.



2,596,527
ROTARY HOE WHEEL
Tolbert Carson Bushong, Waveland, Ind.
Application September 20, 1946, Serial No. 698,279
2 Claims. (Cl. 97—212)



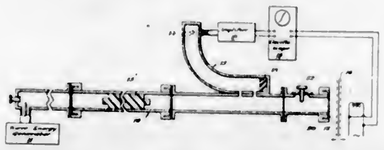
2. A rotary hoe for operation on farm machinery comprising, a hub and a disk-shaped body carried on the hub, an even number of circumferentially spaced radially extending teeth on the body, opposite edges of diametrically opposed teeth on the body being coincidental with opposed radii radiating from the axis of the hub, each of said teeth being smoothly twisted about its longitudinal dimension throughout the entire length thereof with alternate teeth being twisted in the same direction and with intermediate teeth being twisted in the opposite direction, each of said teeth having an outer end edge that is oppositely inclined with respect to outer end edges of the teeth on the opposite sides thereof.

2,596,528
ELECTRICAL CONNECTOR HAVING COAXIAL BARRELS OF DIFFERENT DIAMETERS
Vernon E. Carlson, Camp Hill, Pa., assignor to Aircraft-Marine Products Inc., Harrisburg, Pa.
Continuation of application Serial No. 603,532, July 6, 1945. This application October 25, 1949, Serial No. 123,479
3 Claims. (Cl. 173—269)



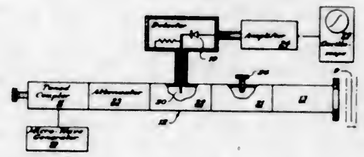
1. In the art of manufacturing electrical connectors, that improvement which includes the steps of preparing an elongated blank of sheet material, substantially uniformly swaging a strip across one end of the blank to a thickness of about two-thirds the thickness of the unswaged blank, trimming the blank to define a terminal contact portion and a ferrule forming portion, the swaged strip being located across the end of the ferrule forming portion, trimming the transverse end edge of the swaged strip along an arc of radius about three to five times the diameter of the ferrule to be formed therefrom, the center of the arc lying in the long axis of the blank, bending the ferrule forming portion along the longitudinal axis of the blank to a trough-like configuration of U-shaped cross-section, offsetting the swaged strip from the rest of the ferrule forming portion first only at the central base portion of the U and thereafter up both sides of the U to give a U-shaped cross-section through the swaged strip which is similar to but larger than the original U-shaped cross section, and finally closing and longitudinally deforming the U-shaped ferrule forming portion to give two cylindrically shaped, integral barrel-like portions coaxially arranged but the one formed from the swaged portion being of greater diameter than the other and having its receiving edge lying in a plane normal to its long axis.

2,596,529
VIBRATION MEASURING DEVICE
Howard F. Clarke, Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application December 9, 1949, Serial No. 132,163
8 Claims. (Cl. 73—70)



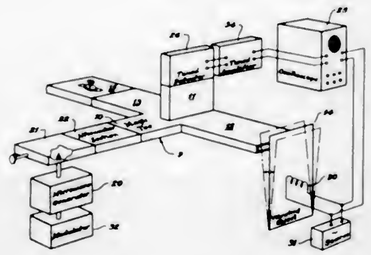
1. Apparatus for measuring small displacements comprising an electromagnetic wave guide having an open end adapted to be directed toward an object the displacements of which are to be measured, an electromagnetic micro-wave generator coupled to the wave guide remote from the open end, a directional coupler coupled to the wave guide and orientated to pass energy travelling from the open end, a detector coupled to said directional coupler and connected to an indicator whereby an indication is effected as a function of the quantity of wave energy passing into the wave guide from the open end thereof.

2,596,530
VIBRATION MEASURING DEVICE
Howard F. Clarke, Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application December 9, 1949, Serial No. 132,164
4 Claims. (Cl. 73—70)



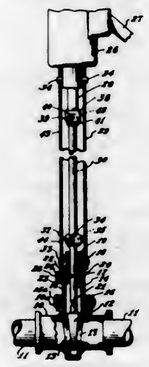
1. In a device for measuring vibrational displacement of an object, means for directing incident electromagnetic wave energy along a path to impinge on said vibrating object whereby energy is re-directed in the reverse direction along said path, an antenna fixedly positioned in the wave energy path, a rectifier, means for impressing the potential created in the antenna by the incident and re-directed wave energy on the rectifier, an indicator, and means for impressing unidirectional electrical energy generated by said rectifier on the indicator.

2,596,531
VIBRATION MEASURING DEVICE
Howard F. Clarke, Pullman, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application December 9, 1949, Serial No. 132,165
6 Claims. (Cl. 73—67)



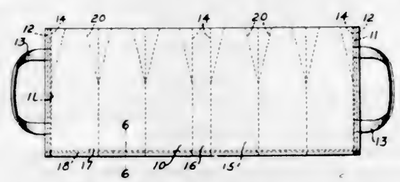
1. In a device for measuring small displacements of an observed vibrating electric wave reflecting object, a magic tee wave guide having first, second, third and fourth arms, said second and third arms being collinear, said first arm being normal to the second and third arms and in the same plane thereof and said fourth arm being normal to the plane of the first, second and third arms, means for injecting electromagnetic wave energy in the first of said arms, said second arm free end being open, means supporting the wave guide with the axis of the second arm adapted to intercept the observed object and with the open end thereof spaced from and proximate to said object, means for terminating the third arm with a dummy load, and rectifier means coupled to the fourth arm whereby a unidirectional potential is generated corresponding to displacements of the observed object.

2,596,532
HYDRAULIC JACK OPERATED VALVE AND ATTACHMENT
William N. Coolidge and Frank W. Geiger, Cincinnati, Ohio
Application October 11, 1946, Serial No. 702,698
4 Claims. (Cl. 137—139)



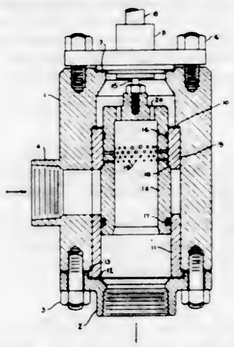
1. In combination with a reciprocating valve, having a body and a smooth stem, means for holding said stem yieldingly in open and closed position for said valve, a hydraulic jack having a body and a plunger, and a separate adapter device comprising an outer tubular member and an inner operating member, and means for attaching said outer member at one end to said jack body and at the other end to said valve body, and means for attaching said inner member at one end to said jack plunger and at the other end to said valve stem, said attaching means comprising bayonet slot type arrangements.

2,596,533
BOTTLE CARRIER
Ralph Cottrel, Dayton, Ohio, assignor of one-third to August L. Pachin and one-third to Franklin R. Pachin, both of Dayton, Ohio
Application May 5, 1948, Serial No. 25,239
4 Claims. (Cl. 224—45)



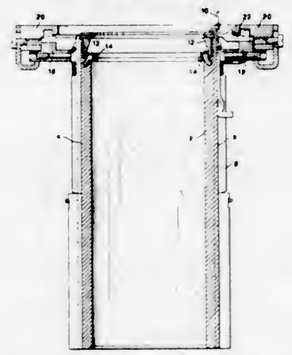
1. A bottle carrier comprising a plurality of sheets of pliable material sewed together at their short ends, and having a handle sewed between said ends, and being provided with a plurality of pockets for the reception of bottles, said pockets being formed by seams across the sheets, two of said seams forming a non-pocket area and one side of each of the two center pockets, the pockets on either side of said non-pocket area being adjacent each other, and tapered seams securing the sheets together in said pockets to form sections in the pockets to conform to and grip the tapered necks of the bottles when pushed into said pockets.

2,596,534
WIDE RANGE FLOW CONTROL VALVE
Wilfred St. Maur Elmore Crake, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 14, 1948, Serial No. 32,967
6 Claims. (Cl. 251—34)



1. A balanced wide range flow control valve having inlet and outlet passageways comprising a tubular control cylinder having a plurality of holes arranged in a helical path and of progressively increasing sizes starting from one end of said path, the interior of said cylinder being open at both ends and in flow communication with one of said passageways and the space outside of said cylinder being in flow communication with the other of said passageways, a cylindrical closure mounted for both rotating and axial movement relative to said control cylinder for covering all of said holes in one relative position and for progressively uncovering an increasing number of said holes during such relative movement and shaft means secured to said cylinder for rotating said tubular control cylinder to a fixed position to permit a constant predetermined flow through said valve.

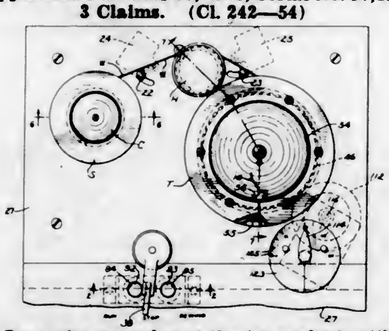
2,596,535
KNITTING MECHANISM
Horace Leslie Curtis, Gilford, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application August 26, 1948, Serial No. 46,232
10 Claims. (Cl. 66—115)



2. A needle cylinder assembly for circular knitting machines comprising a slotted needle cylin-

der providing a series of axially extending walls, and separate wall members located between said walls and extending radially outward therefrom, the wall members defining slots for the guidance of needles, said wall members terminating short of the ends of said walls, which wall ends thereby provide slots for the guidance of sinkers, the outer edges of said walls being axially continuous from the portions thereof between said wall members beyond the ends of said wall members to afford extended backing for the shanks of needles beyond the ends of the wall members.

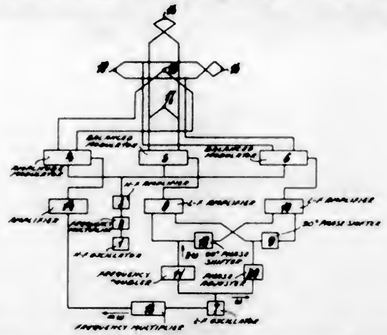
2,596,536
WIRE RECORDER
Colin B. Dale, Barrington, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application October 30, 1948, Serial No. 57,459
3 Claims. (Cl. 242—54)



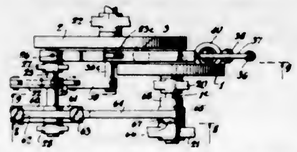
1. In a wire recorder of the type which utilizes motor-driven supply and take-up spools between which a wire is connected releasably to one of them and arranged to be drawn through a fixed path between the spools tangential to both of them during unwinding and winding of the wire on the spools, a motor controlling switch adjacent the one spool to which the wire is releasably connected having operating means proximate said wire, and means on said one spool associated with said wire and automatically operable substantially at the conclusion of the unwinding of the wire from said one spool and substantially concurrently with engagement of the wire with said operating means to release the wire upon de-energization of the motor, thereby permitting winding of the wire end on the other spool, said means comprising an arm resiliently pivotally carried by one of the side covers of said one spool, said arm having a latching finger resiliently maintained in engagement with said cover for releasably resiliently clamping the wire end to said cover.

2,596,537
ROTATING RADIO BEACON
Frank de Fremery, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 11, 1947, Serial No. 727,766
In the Netherlands February 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 5, 1964
8 Claims. (Cl. 343—106)

1. In a radio beacon, a transmitter comprising means for propagating in space a suppressed carrier wave with a first modulation component having a space-phase depending on bearing, means for propagating in space a carrier wave with a second modulation component having a space-phase independent of bearing, the frequency of said second modulation component being a harmonic of the first modulation component, and means further imposing on said suppressed carrier wave a third modulation component having a space-phase depending on bearing, the frequencies of said first and third components being harmonically related.

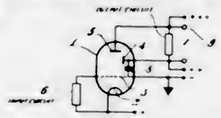


2,596,538
POWER TRANSMISSION
Robert H. Dicke, Princeton, N. J., assignor of one-half to Allen A. Dicke, Montclair, N. J.
Application July 24, 1946, Serial No. 685,862
12 Claims. (Cl. 74—190.5)



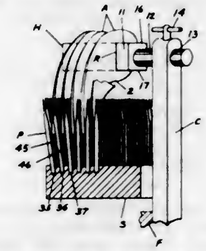
1. In a power transmission, an input and an output shaft parallel to but spaced from each other, disks attached to each of said shafts parallel to and overlapping each other, a roll between said disks, and a constraining member lying between said disks and acting to determine the position of said roll, together with means for clamping said roll between said disks and means actuated by said constraining means to operate said clamping means.

2,596,539
CIRCUIT FOR TRANSMITTING OR GENERATING ELECTRICAL OSCILLATIONS OF ULTRAHIGH FREQUENCY
Gesinus Diemer, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 6, 1948, Serial No. 13,356
In the Netherlands April 9, 1947
6 Claims. (Cl. 179—171)



1. An ultra-high-frequency system comprising an electron discharge tube having a cathode, a control grid, a secondary emitting electrode, and an anode, an input circuit coupled between said cathode and said grid for applying ultra-high-frequency oscillations to said system, an output circuit coupled between said electrode and said anode to produce an output voltage in accordance with the current flow between said electrode and said anode, means to maintain said grid at a ground potential, means to maintain said electrode at a positive potential with respect to said cathode, means to maintain said anode at a positive potential with respect to said cathode having a magnitude which is high relative to the positive potential on said electrode, and a capacitance connected between said electrode and said grid, said capacitance having an impedance value at which within the frequency range of oscillations applied to said system said electrode and said grid are at substantially the same high-frequency potential.

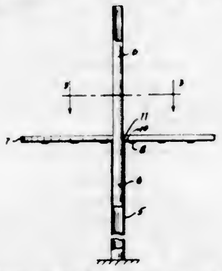
2,596,540
WOOL COMBING MACHINE
James Eastwood, Methuen, Mass.; Eva Eastwood, executrix of said James Eastwood, deceased, assignor to Eva Eastwood, as an individual
Application May 2, 1946, Serial No. 666,691
6 Claims. (Cl. 19—122)



1. In a wool combing machine of the class described including a frame and provided with annular combing plates having annularly arranged concentric rows of pins, and a set of plows mounted between said rows of pins, each plow having at its upper back end a recess with parallel top and bottom edges, a supporting stand carried by the frame and positioned inside an annular combing plate, and an arm carried by such stand so as to project over part of said combing plate with a portion having parallel top and bottom surfaces extending through the recesses in a set of plows with a close fit at the top and bottom edges of said recesses and means to adjust the arm and a set of plows with the bottom edges of the plow proximate but not touching the top face of the plate.

2,596,541
GARBAGE CAN SUPPORT
Glen D. Farquharson, Guthrie, Okla.
Application September 12, 1946, Serial No. 696,458
1 Claim. (Cl. 248—146)

In assemblages for removably supporting garbage cans, wherein one or more cans are positioned elevated from the ground surface with the height of the top of the can or cans permitting access thereto for freely receiving garbage and capable of being bodily raised at will for garbage collection by collection trucks, an assemblage of such type comprising an open top tubular supporting member anchored to and extending upwardly from the ground surface, and a fabricated can-supporting element supported by and removably positioned in axial alinement with the axis of the tubular member, said element including an elongated tubular spindle extending axially within the tubular member and projecting thereabove a distance at least equal to the height of a positioned garbage can, and a can-supporting formation of circular contour permanently secured to a mid-zone of the spindle length and rotatable with the spindle to thereby permit swinging of the element by truck attendant activity to position a can available for dumping procedure and return of the can, said formation including two series of strip members, with each series having its strips in spaced parallelism and with the strips of a series extending at right angles to the direction of length of the strips of the other series to thereby provide a can-supporting face of reticular type and having a circular contour, said face having a peripheral upstanding flange, the central orifice of the face being filled by a plate carried by the spindle and the walls of the orifice and dimensioned to overlie the open top of the tubular supporting member and cooperate therewith to support the element rotatively in definite vertical position for service, said element being fabricated by welding into a unitary assembly in which the projecting portion of the spindle prevents shifting of positioned cans with the housed spindle and cooperating with the plate to maintain the formation relation to the supporting member constant in presence of unequal weight distribution of positioned cans.



2,596,542
MORTISE BUTT HINGE MARKER
Tyko K. Finneman, Portland, Oreg.
Application September 29, 1948, Serial No. 51,785
1 Claim. (Cl. 33—18)

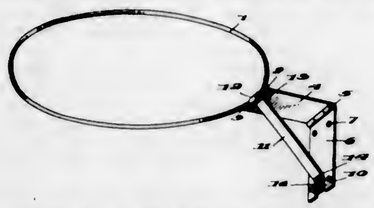


A device of the class described, comprising a cylindrical handle having projecting from one end thereof a flat pointed chisel blade and also having projecting therefrom an alignment blade having one chisel edge projecting beyond the point of said pointed blade and having the outermost portion of said alignment blade extending laterally beyond the surface of said handle member and normal to said pointed blade.

2,596,543
FOLDABLE BASKETBALL GOAL CONSTRUCTION
Samuel Fox, Baltimore, Md.
Application December 14, 1949, Serial No. 132,853
5 Claims. (Cl. 273—1.5)

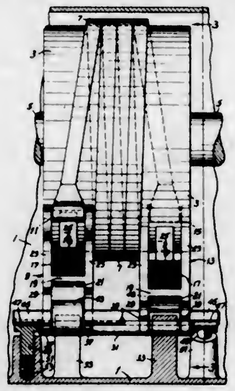
1. A basketball goal construction consisting of a goal ring and a supporting bracket therefor, the bracket being formed of two end elements

and an intermediate element, said goal ring being rigidly connected to one end of said intermediate element in the plane thereof, said end elements respectively being foldable at the re-



spective ends of the intermediate element and adapted to form with said intermediate element a right triangle, and means at the juncture of the end elements adapted to interengage to maintain the triangular formation.

2,596,544
BAND BRAKE
Reynold F. Gamundi, Mayfield Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 17, 1949, Serial No. 133,639
4 Claims. (Cl. 188—137)



1. A brake comprising a housing, a magnetic brake drum rotary in the housing, an anchor pin fixed in the housing extending longitudinally and located outward of the periphery of the drum, a lined brake band coiled around the drum, and electromagnetic shoes attached to the band at its ends and located between the pin and the drum, the shoes being adapted magnetically to cling to the drum upon being energized, each shoe having ears extending radially outward therefrom on opposite sides of the pin, the ears being spaced apart a distance greater than the width of the pin.

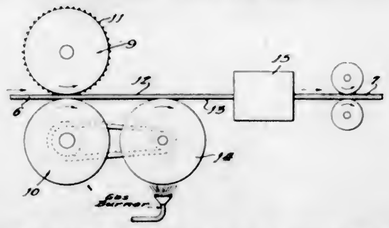
2,596,545
SHUTTLE GUARD
Irvin B. Green, Danville, Va.
Application January 8, 1951, Serial No. 204,846
6 Claims. (Cl. 139—193)

1. A loom shuttle guard comprising a curved plate, a layer of cushioning material secured to the convex surface of said plate, a bracket secured to the concave surface of the plate and extending laterally therefrom, said bracket having a flat surface adapted to flatly lie against the inside surface of a lay sword, an abutment mounted on said plate and having an abutment surface adapted to abut the front face of a lay



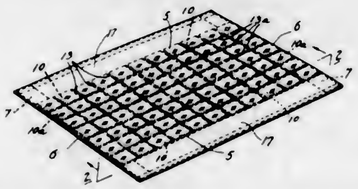
sword for positioning said bracket thereon, the loom having a shuttle box, said bracket and abutment positioning said guard adjacent said shuttle box for deflecting a shuttle into said box.

2,596,546
METHOD FOR MAKING EMBOSSED PRESSURE-SENSITIVE TAPE
Louis M. Grimes, Chicago, Ill.
Application August 31, 1948, Serial No. 47,072
3 Claims. (Cl. 117—122)



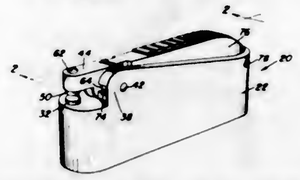
1. The method of forming a polyethylene base friction tape and for anchoring pressure-sensitive adhesive thereto, which comprise impressing one surface of said base to provide it with a series of grooves to a limited depth, smoothing and polishing the opposed surface, and then applying pressure-sensitive adhesive to said grooved surface.

2,596,547
BED OR LIKE COVERING
Annie Winifred Guest, St. Kilda, Victoria, Australia
Application May 1, 1946, Serial No. 666,343
In Australia March 17, 1945
10 Claims. (Cl. 5—334)



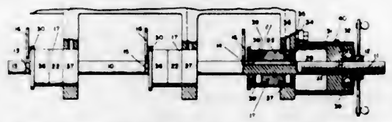
1. A bed covering of the type herein specified, comprising a continuous sheet of fabric material, separate, transversely-disposed strips of fabric material secured upon one side of the sheet in substantially parallel relation, each strip also being secured to said one side of said sheet at spaced intervals longitudinally of the sheet to form with the sheet pockets to receive warmth-retaining pads, and flaps secured to said one side of the sheet and forming releasable closures for said pockets.

2,596,548
PYROPHORIC LIGHTER
Paul Emile Maurice Guibord, Montreal, Quebec, Canada, assignor of fifty per cent to Leo H. Riddell, Ottawa, Ontario, Canada
Application November 7, 1950, Serial No. 194,527
1 Claim. (Cl. 67—7.1)



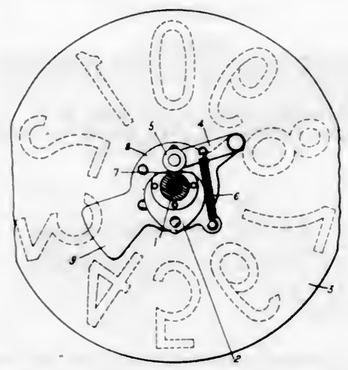
In a pyrophoric lighter, the combination of a pair of transversely spaced housing members provided with a pair of coaxial annular chambers having open opposing inner sides in communication with the space between said members, a transverse fulcrum pin secured in the housing members axially of said chambers, a hollow cap swingably mounted on said pin between said members, a combined spark wheel and ratchet unit rotatable on said pin within said cap and independently of the latter, a resilient pawl provided in said cap and operatively engaging the ratchet portion of said unit, a pair of fingers provided on opposite sides of said unit and projecting laterally into the respective chambers, a pair of stationary abutment members provided in the chambers of the respective housing members, a pair of arcuate helical springs positioned in the respective chambers between the respective housing members and the respective fingers whereby to swing said cap in on direction, and means for swinging said cap in a direction opposing the action of said springs.

2,596,549
MULTIPLE BUSHING REPLACER
Bert C. Hamilton, La Grande, Oreg., assignor to Hamilton Tool Co. Inc., La Grande, Oreg., a corporation of Oregon
Application January 21, 1950, Serial No. 139,934
3 Claims. (Cl. 29—263)



1. In a bushing replacer of the character described, a shaft of considerably smaller diameter than the interior diameter of the bushing to be replaced, a cylindrical bushing-engaging element slidable on said shaft, said element having end sections with a diameter approximately equal to the internal diameter of a bushing and a cylindrical shoulder separating said end sections, the diameter of said shoulder being approximately equal to the external diameter of a bushing to enable said shoulder to engage a bushing to be removed, a pair of oil hole guides in said end sections respectively of said element positioned in longitudinal alignment with each other, a longitudinal groove on said shaft, said element having a key extending into said groove to prevent rotation of said element on said shaft, a removable engaging member mountable in fixed position on said shaft for engagement with one end of said element, means on said shaft for holding said member against longitudinal movement on said shaft, whereby the engagement of said member with one end of said element will cause said element to be moved longitudinally with the longitudinal movement of said shaft, a removable washer at the engaged end of said element in contact with said member, said washer having a considerably larger outside diameter than the external diameter of a bushing, said washer acting to hold a replacement bushing on said element and to limit the movement of said element and replacement bushing with respect to the bearing, means for producing longitudinal movement of said shaft and therewith of said element and means associated with the outer end of said shaft to prevent the rotation of said shaft during forcible longitudinal movement of said shaft.

2,596,550
CAM ACTUATED ROTARY INDICATOR
John Handley, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland, a company of Great Britain and Northern Ireland
Application April 20, 1948, Serial No. 22,119
In Great Britain January 31, 1947
1 Claim. (Cl. 116—129)

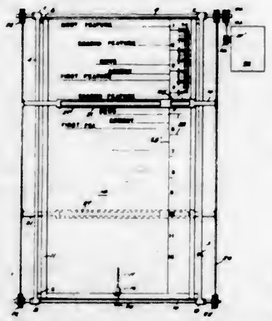


In a totalisator a display device, a shaft and an indicator disc coaxial therewith and rotatable with respect thereto, a heart-shaped cam fixed with respect to and rotatable with said shaft, the root of said cam being nearer to the axis of rotation of said shaft than any other part of the periphery of the cam, an arm pivoted to said indicator disc, and a follower carried on said arm and spring-pressed against the periphery of the cam whereby said indicator disc tends to take up a position in which the follower is in the root of the cam.

2,596,551
MOTION-PICTURE SHOW TIME DISPLAY DEVICE
Weldon W. Harris, Cisco, Tex.
Application September 6, 1949, Serial No. 114,155
2 Claims. (Cl. 161—15)

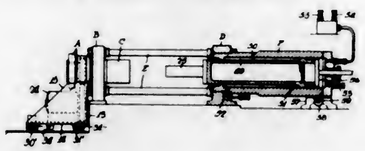
1. An indicating device of the class described, comprising a main frame, an auxiliary chart-supporting frame mounted within the main frame and on which a time chart is mounted, means for adjusting the chart-supporting frame with respect to the main frame varying the location of markings on the chart with respect to the main frame, upper and lower horizontal

shafts mounted on the main frame, the ends of said shafts extending beyond the side edges of the main frame, pulleys on the ends of the shafts, endless belts operating over the pulleys, transversely disposed indicating bars operating over



the frame, said bars having elongated openings through which the time chart is read, said bars having their ends secured to the endless belts, and time controlled means for operating the shafts and belts.

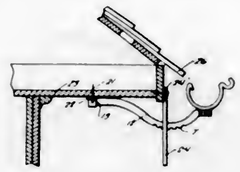
2,596,552
MACHINE FOR PRODUCING TUBES OR OTHER HOLLOW CYLINDRICAL ARTICLES
Heinrich Heimann, New York, N. Y.
Application October 24, 1944, Serial No. 560,174
8 Claims. (Cl. 29—33)



1. A machine for making hollow bodies from a solid billet of metal or other plastically deformable material, comprising an extrusion press provided with an extrusion die and a rotating die arranged directly behind the extrusion die, and means for maintaining the rotating die axially fixed relatively to the extrusion die, said rotating die having portions inclined to its center line and positioned to exert pressure on the surface of the extruded rod and means for rotating the rotating die at a sufficient speed to impart an axial velocity to the extruded rod exceeding the velocity of extrusion.

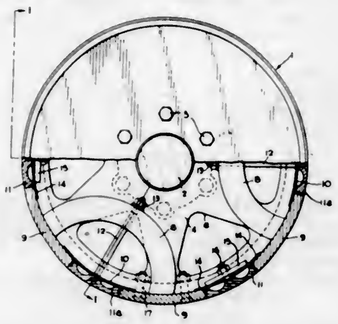
2,596,553
ADJUSTABLE EAVE GUTTER SUPPORT OR HANGER
Charles W. Henry, Hennessey, Okla.
Application June 3, 1949, Serial No. 96,861
4 Claims. (Cl. 248—48.1)

1. A device for supporting a gutter contiguous to and spaced outwardly of a projecting eave of a roof comprising a downwardly depending hanger, means extending through the upper end of said hanger for fixedly securing the latter to said eave, a strap disposed contiguous to one side of said hanger and having one end extending beneath said eave and having the other end projecting beyond said eave, means connected to said one end of said strap for pivotally mounting said strap on said eave for rocking movement in a vertical plane along said one side of said hanger, an upwardly opening gutter-supporting saddle disposed in said vertical plane adjacent to said other



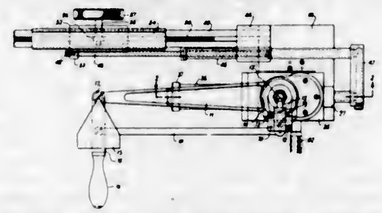
end of said strap and secured thereto, anchoring means on said hanger, and means provided on said strap engaging said anchoring means for detachably securing said strap at select points along said hanger.

2,596,554
MAGNETIC PULLEY
Ronald C. Hoff, Erie, Pa., assignor to Eriez Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application September 8, 1950, Serial No. 183,856
8 Claims. (Cl. 209—219)



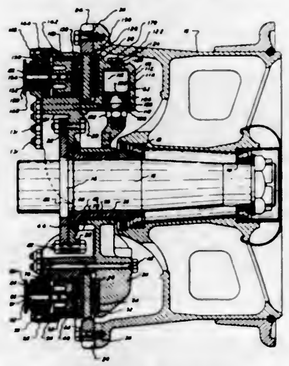
6. A magnetic pulley comprising a plurality of pole pieces positioned in circumferentially spaced relation, a plurality of spacer bars each of which is positioned intermediate two adjacent members of said pole pieces, a plurality of permanent magnets having foot portions positioned in spaced circumferential relation with foot portions of the magnets contacting one member of adjacent pairs of pole pieces, non-magnetic reinforcing strips extending between the pairs of said pole pieces which have one of said magnets contacting same, and with one of said strips contacting the innerface of one of said spacer bars, means extending between said spacer bars having a magnet radially aligned therewith and said magnets to secure same together, a positioner strip secured to each said pole piece and extending therefrom towards the adjacent one of said pole pieces that contacts a different one of said magnets, a pair of said positioner strips contacting one of said spacer bars, lock bars bridging over said positioner strips on the opposite face thereof from said spacer bars, and means extending between said lock bars and said spacer bars radially thereadjacent to secure such spacer bars in position.

2,596,555
WHEEL DRESSING AND FORMING APPARATUS
Nils Hoglund, Union, N. J., assignor to Hoglund Engineering and Manufacturing Company, Inc., Berkeley Heights, N. J.
Application August 16, 1946, Serial No. 691,101
13 Claims. (Cl. 125—11)



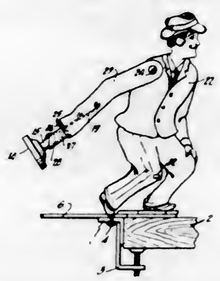
7. Apparatus for forming the contour of a grinding wheel including a slide movable along a longitudinal path, a dressing tool mounted on said slide and movable transversely of said longitudinal path, means including a movable cylinder connected to said slide and a stationary piston within said cylinder for moving said slide, and means including a fixed cylinder and a movable piston mounted within said fixed cylinder and having a volumetric displacement per linear unit of travel less than said movable cylinder per linear unit of travel, conduit means connecting said cylinders for transferring fluid between said cylinders, whereby a reduction of movement of said movable cylinder with respect to said movable piston results, a templet connected to and movable with said movable piston and a follower connected with said dressing tool and contacting said templet.

2,596,556
BRAKE STRUCTURE
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application July 10, 1946, Serial No. 682,671
4 Claims. (Cl. 188—152)



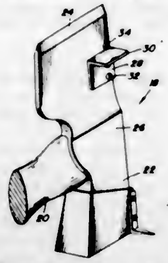
1. A servo-type wheel brake structure comprising in combination with a rotatable wheel body part and shaft mounting therefor, a radial brake disc extending between said shaft and wheel body, axially extending pin and slot connection means between said brake disc and said wheel body for rotation by the latter, while enabling axial floating movement of the brake disc relative to said wheel to take place, a brake structure on said shaft, said brake structure including opposed brake pads on opposite sides of said brake disc and in circumferentially adjacent assembly thereto, hydraulic pressure fluid displacement means operatively associated with said brake pads to effect braking engagement of the latter with said disc, conduit means for connection to a remote source of brake applying hydraulic pressure to initiate the brake application, a servo-mechanism for augmenting the brake applying hydraulic pressure, said servo-mechanism comprising an actuator structure rotatably mounted about said shaft for limited oscillatory motion in opposite directions, a hydraulic pressure actuated rotation retarding means for said disc and carried by said actuator structure in diametral relation to said brake pad assembly, a hydraulic chamber on said brake structure, a fluid displacement wall in said chamber, an operating member for said wall, means connecting said operating member with said actuator structure to effect movement of said wall by oscillation of the said actuator structure in either direction, and hydraulic connections between said rotation retarding means, servo-chamber and hydraulic pressure fluid displacement means adapted to effect operation of the latter to apply the braking pressure under the control of said servo-mechanism.

2,596,557
SPRING ACTUATED DISK PROJECTOR
Martin Huber, Munich, Germany
Application December 29, 1950, Serial No. 203,279
In Germany January 2, 1950
1 Claim. (Cl. 124—7)



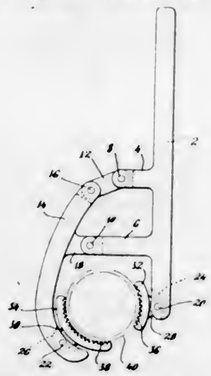
A game device for shooting a disc simulating a curling stone and having an upstanding handle thereon; said device comprising a base, an upright element, means pivotally securing said element to said base to move about a vertical axis, a lever, means pivotally connecting said lever to said upright element to swing about a horizontal axis, a spring cooperating with said lever and normally but yieldingly holding said lever substantially vertical and adapted to impart a quick swinging movement to said lever when said lever is pulled out of its normal vertical position and then released, disc-holding means carried by said lever at the lower end thereof comprising a pair of jaws adapted to embrace said handle throughout a substantial portion of the length thereof with said handle substantially vertical when said lever is in its normally vertical position, and means cooperating with at least one of said jaws for automatically releasing said disc when said lever reaches a predetermined point during the swinging movement thereof.

2,596,558
SHINGLE GAUGE ATTACHMENT FOR ROOFER'S HATCHET
John F. Ingram, Ojai, Calif.
Application November 25, 1949, Serial No. 129,469
2 Claims. (Cl. 7—8.1)



1. For attachment to a roofer's hatchet having a head with a blade at one end and a tapering impact head at the other end, in combination, an L-shaped bracket embodying an attaching shank which is adapted to be superimposed against and fastened to a side face of the aforementioned blade with the lateral end portion extending a predetermined distance at right angles beyond said side face in order to serve as a shingle abutting and position gauging stop, a second L-shaped bracket having a corresponding attaching shank and a lateral end portion providing a complemental shingle gauging stop adapted to abut a second shingle, and a clamp adapted to be mounted on the aforementioned impact head, said clamp constituting an adapter and the attaching shank of the second L-shaped bracket being separably mounted on said clamp in order that both brackets may be simultaneously supported by said head in positions which are in alignment with each other.

2,596,559
QUICK-ACTING PIPE WRENCH
Jens W. Jensen, Oroville, Wash.
Application March 2, 1951, Serial No. 213,650
1 Claim. (Cl. 81—91)



A device of the character described comprising a longitudinal handle having a groove laterally extended into one of its end portions and having first and second lug portions right angularly disposed to the longitudinal axis of the handle and laterally extended therefrom at that side which has said groove, the ends of said first and second lug portions being bifurcated, the first lug portion being located intermediate the ends of the handle while the second lug portion is longer than the first lug portion and is located in spaced relation thereto and to that end of the handle which is provided with said groove, a bar having a curved portion and a substantially straight portion whose outer end is bifurcated and said straight portion having intermediate its ends a lug portion extended into and pivoted to the bifurcated end of the second lug portion of said handle while the curved portion of said bar is provided with a groove extended thereinto from its inner side and facing the groove in said handle, a link member whose ends are extended into and pivoted to the bifurcated ends of said bar and said first lug portion of the handle respectively, and a pair of curved jaws each of which has a concave side provided with serrations and a convex side provided with a flat lug portion, the lug portion of one of said jaws being extended into the groove in said handle and pivoted to the latter, while the lug portion of the other jaw is extended into the groove in the curved portion of said bar and pivoted to said bar.

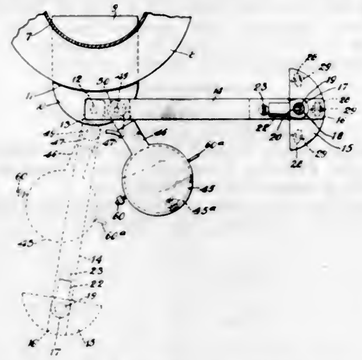
2,596,560
DEVICE FOR EVACUATING AND FILLING VESSELS BY MEANS OF PRESSURE
Ernest W. Johnson, Mountainside, N. J.
Application November 17, 1948, Serial No. 60,546
3 Claims. (Cl. 73—425.6)



3. In a device of the character described, an open-ended tube, a second tube slidably surrounding said first tube and having a vacuum connection adjacent the upper end thereof, said second tube being movable longitudinally of the first tube to bring the latter into and out of communication with the vacuum connection, and tension means supported about the first tube for normally maintaining the second tube positioned relatively to the first tube such that the latter is in communication with the vacuum connection.

2,596,561
AUXILIARY SEAT SUPPORT FOR USE WITH DENTAL CHAIRS
Carroll W. Johnson, Chicago, and John T. Clark, Cicero, Ill.
Original application March 8, 1947, Serial No. 733,340. Divided and this application January 18, 1950, Serial No. 139,192
8 Claims. (Cl. 155—81)

1. In a seat attachment adapted for use with dental chairs and the like having heavy pedestals which rest by gravity upon a supporting surface, a base plate for supplemental seats, such plate having a relatively thin blade portion at one edge adapted for insertion beneath the edge of such a pedestal and formed and adapted to be held by the weight of such pedestal in frictional contact with the pedestal and with the surface upon which the pedestal rests, said base plate having abutment means adapted, when the seat attachment



is applied to the pedestal of a dental chair, to engage the edge of the pedestal and to maintain the supplemental base in predetermined relation to the pedestal, the base plate having a portion which, when the thin plate portion of the base plate is positioned beneath a pedestal and the abutment means engages the edge of the pedestal, extends radially outwardly from the pedestal and is adapted to receive a seat support.

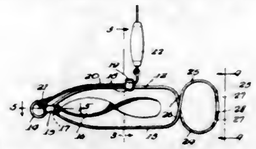
2,596,562
PREPARATION OF 21-ACYLOXY ALLOPREGNANES
Stephen Kaufmann, George Rosenkranz, and John Pataki, Mexico City, Mexico, assignors to Syntex S. A., Mexico City, Mexico, a corporation of Mexico
No Drawing. Application January 23, 1950, Serial No. 140,151
8 Claims. (Cl. 260—397.4)

1. A method for producing 17-hydroxy-20-keto-21-acyloxyl allopregnane compounds, which comprises reacting 21-halogen-17α-hydroxyl-20-keto allopregnane compounds with an alkali metal salt of a lower fatty acid in an organic solvent for the 21-halogen-17α-hydroxy-20-keto allopregnane compounds.

2,596,563
PROCESS FOR PRODUCING 17-HYDROXY-20-KETO-21-ACYLOXY PREGNANES
Stephen Kaufmann, George Rosenkranz, and John Pataki, Mexico City, Mexico, assignors to Syntex S. A., Mexico City, Mexico, a corporation of Mexico
No Drawing. Application October 30, 1950, Serial No. 193,022
7 Claims. (Cl. 260—397.4)

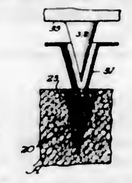
1. A method for producing 17-hydroxy-20-keto-21-acyloxy pregnane compounds, which comprises reacting 21-halogen-17α-hydroxyl-20-keto pregnane compounds with an alkali metal salt of a lower fatty acid in an organic solvent for the 21-halogen-17α-hydroxy-20-keto pregnane compounds.

2,596,564
EXPANDING FISHHOOK
William E. Kautenberg, Freeport, Ill.
Application May 1, 1946, Serial No. 666,317
4 Claims. (Cl. 43—36)



1. A fishhook assembly normally supported in horizontal position having a pair of spring shanks with hook extremities and a supporting loop at the end opposite the hooks and a spring fastening clip at one side of the shank and rigid therewith intermediate the ends, and a supporting cord attached to the loop and extending releasably through the clip and disengaged therefrom by a pull on the hook to move the hooks to vertical position.

2,596,565
REINFORCED SPONGE AND METHOD OF REINFORCING IT
William E. Kautenberg, Freeport, Ill.
Application September 23, 1946, Serial No. 698,735
4 Claims. (Cl. 15—244)



1. The method of reinforcing preformed cellulose sponge with latex which comprises forcing separate and independent smaller masses of latex into the sponge and extending into the adjacent communicating pores and fissures, and allowing the latex to harden or set in place.

2,596,566
CHANGEABLE COLOR AUTOMOBILE BODY
Harry L. Lacy, Philadelphia, Pa., and Mount L. Lacy, Dundalk, Md.
Application July 1, 1949, Serial No. 102,666
1 Claim. (Cl. 296—137)



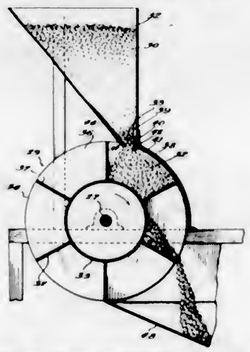
A roof construction for automobiles comprising three spaced translucent skins providing two sealed spaces between the middle skin and each of the outer skins, respectively, said middle skin having integral fins protruding outwardly on opposite sides thereof to support the outer skins, and means for selectively supplying liquids of predetermined colors to said spaces, said means including a nozzle in each space, piping leading to said nozzles and extending through and being supported by some of the aforesaid fins, and a vacuum pump connected to said piping, all of said fins being apertured to allow flow of the liquids therethrough.

2,596,567
BREAST COVER
Charles L. Langs, Grosse Pointe Park, Mich.
Application February 14, 1949, Serial No. 76,228
3 Claims. (Cl. 2—42)



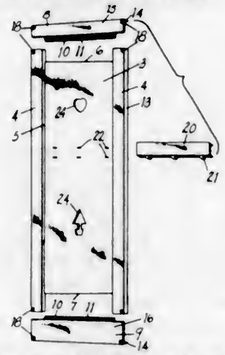
1. A breast cover comprising a cupped breast receiving pocket, a flexible annular flange extending outwardly and continuously around the periphery of said pocket and adapted to overlie an area of the body of a wearer laterally beyond the breast, a flexible ring corresponding in size and contour to the flange arranged in superimposed relation to the inner surface of said flange and adapted to overlie the area aforesaid of the body laterally beyond the breast, one of the adjacent surfaces of the ring and flange having a coating of pressure sensitive adhesive thereon for securing said ring to the flange in the aforesaid relation, and a coating of pressure sensitive adhesive on the inner surface of said ring for securing the cover to the body of the wearer, said flange and ring being sufficiently flexible to readily conform to such area of the body of the wearer.

2,596,568
GRAIN TREATING DEVICE
Irvin H. Lehman, Kentland, Ind.
Application February 13, 1948, Serial No. 8,260
7 Claims. (Cl. 222—352)



1. A machine for proportioning and delivering in a continuous manner substantially equal volumes of discrete material which comprises a hopper for a bulk supply of discrete material, said hopper being provided with a discharge opening, a drum rotatable about a substantially horizontal axis beneath said hopper, a plurality of radial partitions carried by said drum to divide said drum into a plurality of compartments of substantially equal volume for the reception of discrete material from the discharge opening of said hopper, the circumferential dimension of said hopper opening relative to said drum being less than the distance between adjacent radial partitions upon said drum, means for rotating said drum to carry discrete material in said compartments from said hopper to the lower portion of said drum whereat said discrete material discharges from said compartments by gravity, a stationary arcuate member disposed adjacent the path of travel of the periphery of said drum between said hopper and the discharge point of said compartments, said member serving as a closure for the compartments carrying discrete material, and means disposed adjacent the discharge of said hopper for depressing the level of said discrete material within a compartment to a level between the outermost edges of the radial partitions defining said compartment and the surface of the drum prior to the passage of said partitions beneath said arcuate member.

2,596,569
WINDOW SHUTTER
Robert L. Leigh, Grand Rapids, Mich., assignor to Air Control Products, Inc., Coopersville, Mich., a corporation of Michigan
Application November 15, 1946, Serial No. 710,072
2 Claims.. (Cl. 189—54)

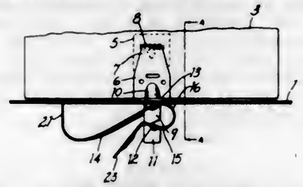


2. A shutter structure comprising a panel and side rails of inwardly facing channel section integral therewith, the inner arms of the side rails projecting forwardly from the panel and projecting beyond the top and bottom edges of the panel, top and bottom bars of rearwardly facing channel section and having out-turned flanges on their inner arms, said bars being disposed with their webs upon and welded to the webs of the side rails and extending to the outer side edges of the side rails and with their inner arms between the side rails, the ends of the panel being disposed outwardly of and upon the said top and bottom bar flanges and welded thereto with their edges abutting the inner arms of the top and bottom bars, the outer arms of the top and bottom bars overlapping the end edges of the outer arms of the side rails and closing the upper and lower ends of the channels of the side rails, the outer arms of the side rails and bars extending substantially rearwardly of the plane of the panel, and a mullion of rearwardly facing channel section disposed upon said panel intermediate said top and bottom bars with its ends abutting the inner sides of the side rails and secured to said panel.

2,596,570
DAMPER OPERATING AND SECURING STRUCTURE
Robert L. Leigh, Coopersville, Mich., assignor to Air Control Products, Inc., Coopersville, Mich.
Application July 22, 1949, Serial No. 106,280
6 Claims. (Cl. 126—295)

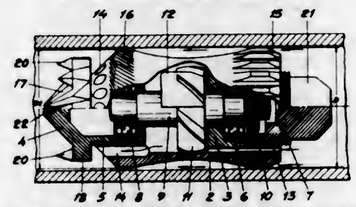
1. A regulator for a damper plate comprising, a pair of coacting damper engaging members

having portions adapted to be secured to opposite edges of the plate and having journals spaced outwardly of their plate engaging portions adapted to support the plate in a conduit by extending through opposite walls of the conduit, one of said journals having a recess in one side spaced outwardly from its plate engaging portion, and a handle having one end bent transversely outwardly into a bowed U-shaped spring arm, the bight connecting said handle and arm being slotted and receiving the journal of said one



member transversely of the handle and outwardly from the plate engaging portion of said one member, said arm having an opening therein receiving the outer end of said one journal, the portion of the arm at one edge of the opening being engaged in said recess with the arm under spring stress whereby the inner end of the handle is urged inwardly of the journal and adapted to thrust inwardly against the outer side of a conduit wall through which said one journal extends in opposition to the outward thrust of the arm on said one member.

2,596,571
TUBE CLEANER
Gotthard Allan Lewenhagen, Stockholm, Sweden
Application April 12, 1947, Serial No. 741,096
In Sweden November 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 27, 1965
5 Claims. (Cl. 15—104.06)



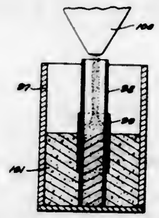
1. In a pipe cleaning machine, the combination of a casing having cutting means rigidly fixed to said casing, said cutting means being adapted to perform within a pipe to be cleaned a longitudinal movement, said casing having a rear wall which has substantially the area of the pipe, said wall being adapted to propel the casing longitudinally through the pipe under the impetus of fluid under pressure behind the casing, at least one inlet duct providing a communication between said fluid under pressure and the interior of said casing, at least one outlet duct from the interior of said casing opening at its front end, a turbine arranged inside said casing and adapted to be rotated by fluid under pressure admitted through said inlet duct, and a weight connected with said turbine in an eccentric position in relation to its axis of rotation for the purpose of imparting, when rotated, a rotative and vibrative movement to said casing in order to cause its cutting means to perform an abrasive and scraping action on incrustations and sediments present in said pipe.

2,596,572
TWO-COLOR SPECTACLE BRIDGE
Frank W. Lindblom, Warwick, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application September 29, 1949, Serial No. 118,697
2 Claims. (Cl. 41—34)



1. In an ophthalmic mounting a pair of rims, a hollow bridge connecting the rims, said bridge comprising a body having spaced parallel walls joined at the upper edges thereof with the end edges thereof secured to the said rims to close the ends of said bridge, a colored insert positioned between said walls and between said rims, said walls having openings therein with the portion of the walls about said openings providing a marginal edge about said insert, one of said walls having tabs thereon at the lower edge thereof extending therefrom across the lower edge of said insert for holding the same between said walls.

2,596,573
MOLDING PROCESS
George C. Luebkeman, Cincinnati, Ohio
Application February 23, 1950, Serial No. 145,743
2 Claims. (Cl. 18—58)

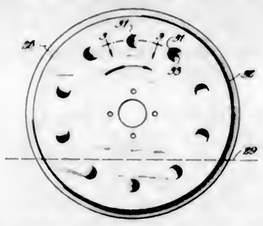


1. The process of continuous hollow molding which comprises placing a hollow shaper about an elongated hollow flexible body conformable to the interior thereof, flowing granular material into said hollow body substantially to the top of said shaper, flowing plastic molding material into the mold around the shaper and progressively withdrawing the shaper along the filled portions of elongated hollow body and at the same time progressively maintaining the relative levels of the granular material and the plastic molding material while maintaining the lower end of the shaper at a predetermined distance below the top level of the plastic molding material.

2,596,574
PLOW COLTER
Oakley D. Lutes, Jackson, Mich.
Application March 3, 1948, Serial No. 12,777
4 Claims. (Cl. 97—209)

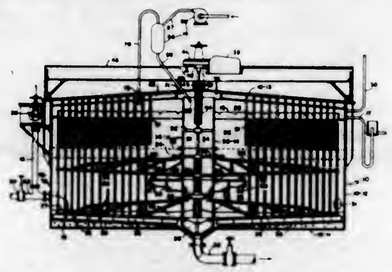
4. A plow colter comprising a disc having a plurality of angularly arranged driving protuberances extending a short distance above the surface of said disc and being located at a radius less than the radius of said disc, said protuberances being arranged to penetrate in suc-

cession beneath the soil line to produce rotation of said disc and a high speed of travel of the



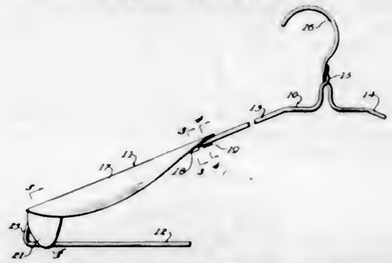
periphery thereof whereby the colter edge cuts with a slicing action.

2,596,575
OIL FIELD WASH TANK
Merrill W. MacAfee, Los Angeles, Calif., assignor to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application October 22, 1949, Serial No. 122,937
13 Claims. (Cl. 210—51)



1. Field oil clarifying apparatus having a closed-top tank; field oil supply means leading into the tank and having as a part thereof a feed distributing means disposed within a low central portion of the tank but spacedly above the bottom of the tank; an oil outflow means leading from the upper interior portion of the tank and providing an oil overflow weir determining the normal surface level of an oil stratum within the tank at an elevation whereby there is left a gas-receiving space above the surface level of the oil stratum but below the top of the tank; means for releasing accumulating gases from the upper interior portion of the tank; a water outflow conduit having an intake end leading from a low interior portion of the tank and from an elevation spacedly above the bottom of the tank, said water outflow conduit providing a rising section equipped with a water overflow means outside of the tank and at elevation approaching but lower than that of the oil overflow weir; means for discharging mud from a sump-providing portion of the bottom of the tank to a region outside of the tank; centrally located vertically-extending rotatable arm-carrying means suitably supported with respect to said tank; and motivated speed-reducing and power-transmission means for turning the latter about a vertically-extending axis thereof; said apparatus being characterized in that it embodies a set of arms outwardly extending from said vertically-extending arm-carrying means, which said outwardly-extending arms are at elevation higher than that of the intake end of the water outflow conduit; in that they have connected thereto, rising therefrom and turnable therewith, horizontally spaced-apart vertically-extending displacers of which the upper ends approach but terminate at elevation lower than that of the weir edge of said oil overflow means; in that suitably but dependingly supported horizontally spaced-apart vertically-extending reflectors are employed past which the displacers repetitively move in cyclic paths, which reflectors extend downwardly from an elevation higher than that of said oil overflow weir and terminate at elevation lower than that of the uppermost ends of the displacers whereby the latter move in overlapping relationship with respect to and spacedly past the reflectors, and which downwardly-extending reflectors terminate at an elevation higher than that of the upper portion of said set of outwardly-extending arms which travel in concentric paths spacedly below the reflectors.

2,596,576
CLOTHES HANGER
Chester H. MacSpadden, Ephrata, Wash.
Application July 5, 1950, Serial No. 172,137
1 Claim. (Cl. 223—88)

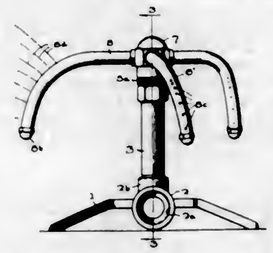


A garment hanger attachment for supporting a garment shoulder comprising an elongated plate transversely curved and tapering in width from one end to the other, a pair of hook formations projecting from the concave surface of said plate near said other end and at locations spaced apart along the longitudinal center line of the plate, said hook formations facing in respectively opposite directions transversely of said plate and adapted to receive a shoulder bar of a wire garment hanger therein, a third hook formation projecting from the concave side of said plate near the mid-width location and adjacent said one end thereof and adapted to receive a clothes hanger shoulder bar received in said pair of hook formations, said third hook formation facing transversely of said plate in a direction opposite the adjacent hook formation of said pair of hook formations, and a pair of tongues projecting outwardly of the concave side of said plate from said third hook formation and spaced apart to receive an end portion of an associated garment hanger therebetween to support the attachment in operative position on a garment hanger.

2,596,577
ROTARY SPRINKLER
Cleao W. McBride, Burley, Idaho
Application May 5, 1948, Serial No. 25,220
1 Claim. (Cl. 299—69)

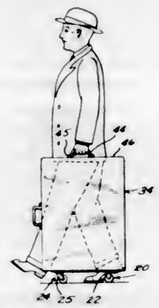
A rotary sprinkler comprising a rotary head mounted for rotation on a vertical axis and having a plurality of tubular sprinkler arms mounted thereon, each of said arms comprising a single linear tube having one end thereof closed and the other end thereof being secured to said head on a horizontal axis extending radially from said head, the outer end portion of each arm being

curved generally downwardly in substantially a circular arc of substantially 90° and having a plurality of discharge apertures formed in the outer wall of said curved portion and spaced



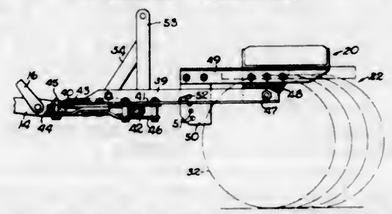
along the length thereof by a spacing which decreases progressively from the outer end of the arm toward the rotary head, the apertures nearest the end of each arm being directed to supply water to the inner portion of the coverage area and the apertures nearest the sprinkler head being directed to supply water to the outer portion of the coverage area.

2,596,578
WHEELED SUITCASE
Grace H. McIntyre and Malcolm McIntyre, Riverside, Conn.
Application March 5, 1949, Serial No. 79,848
1 Claim. (Cl. 280—38)



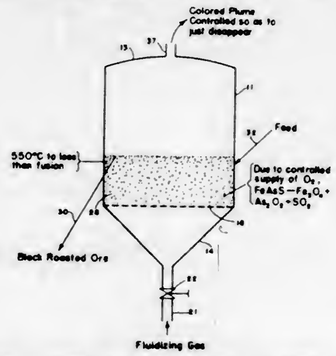
An article of luggage defined by an opposite pair of faces of large surface area, an opposite pair of faces of small surface area and an opposite pair of faces of intermediate surface area, all of said faces being substantially rectangular, one of said intermediate faces being the top face of the luggage when carried, a carrying handle on said one intermediate face, a caster wheel and a fixed axis wheel on one of said small faces, a carrying handle on the other of said small faces, said caster wheel lying between the center of the face to which it is attached and the plane of the intermediate face having the carrying handle thereon and the fixed axis wheel lying between the center of the bottom of the face to which it is attached and the plane of the other intermediate face, said wheels constituting the only wheels on said one small face and being disposed on that face midway between the planes of the large faces.

2,596,579
TRACTOR BORNE DISK HARROW
Augusta P. McKay, Cedartown, Ga., assignor to Rome Plow Company, Cedartown, Ga., a corporation of Georgia
Application April 24, 1946, Serial No. 664,510
7 Claims. (Cl. 55—81)



1. In a reversible disc harrow for a tractor having a power lift device thereon, the combination of a main frame having front and rear rails spanned by laterally spaced supports extending fore and aft intermediate the ends of said rails, means for detachably connecting said frame in trailed relation to the tractor and for also operatively connecting said frame to said lift device for bodily lifting and lowering thereby, a pair of disc gangs pivoted to respective ones of said supports to swing generally horizontally therebeneath while remaining suspended therefrom when said frame is bodily elevated by the power lift device, said rear rail having two pairs of rows of holes therein arranged with the rows in each pair dispersed on opposite sides of a corresponding one of said supports, each of said gangs also having a row of holes therein arranged to register individually with individual ones of said holes in said rear rail, and fastening devices adapted to be entered in any one of the holes in said rear rail and a hole in the corresponding gang for locking such gang in a corresponding position of angular adjustment with reference to said frame.

2,596,580
TREATING ARSENICAL GOLD ORES
James B. McKay, Balmertown, Ontario, Canada, and James V. Thompson, Denver, Colo., assignors to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application January 5, 1950, Serial No. 136,962
2 Claims. (Cl. 75—9)



1. The continuous process for roasting finely-divided gold bearing arsenopyrite ore solids to condition them for cyanide leaching, comprising establishing and maintaining an ever-changing bed of such solids in an enclosed chamber by

feeding such solids thereto and discharging them therefrom, maintaining solids of the bed at roasting temperatures, maintaining the bed as a turbulently mobilized fluidized bed by passing therethrough at fluidizing velocities an uprising stream of free-oxygen bearing gas, discharging gases from the bed and from the chamber, and controlling roasting conditions within the bed by regulating the quantity of free-oxygen supplied to the bed to be an amount sufficient to react substantially all of the arsenopyrite solids according to the equation

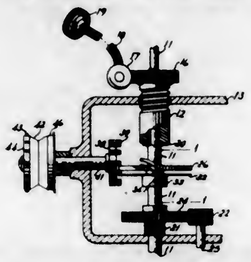
$$FeAsS + 2\%_{12}O_2 \rightarrow \tfrac{1}{3}Fe_3O_4 + \tfrac{1}{2}As_2O_3 + SO_2$$

but insufficient to react all of the arsenopyrite solids according to the equation

$$FeAsS + 2\%_{12}O_2 \rightarrow \tfrac{1}{2}Fe_2O_3 + \tfrac{1}{2}As_2O_3 + SO_2$$

so that volatile compounds of arsenic are formed and substantially removed from the bed entrained in the uprising gases discharged therefrom while the formation of both non-volatile arsenic compounds and ferric oxide is minimized; whereby previously entrapped gold values of the solids are rendered amenable to cyanide leaching.

2,596,581
INTERMITTENT MOVEMENT
Edward George Mercier, New York, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application April 25, 1951, Serial No. 222,816
6 Claims. (Cl. 74—426)



1. An intermittent movement comprising, a cam disc having at least one cam surface lying in a plane normal to its axis and at least one curvate cam surface extending out of and longitudinally spaced with respect to said first mentioned cam surface, a pin gear having pins equally spaced about the periphery thereof, the distance between adjacent pins being equal to the maximum longitudinal displacement between said curvate cam surface and said first mentioned normal surface, said pin gear being positioned with its axis normal to the axis of said cam disc and having one face of a selected pin in engagement with one of the cam surfaces of said cam disc, a thin resilient disc member having a surface conformation similar to the cam surfaces of said cam disc positioned adjacent said cam surfaces but spaced therefrom by a distance less than the thickness of a pin whereby said selected pin is resiliently urged into engagement with said cam surfaces, and means for rotating said cam disc at a constant rate.

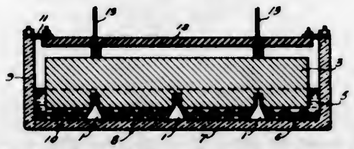
2,596,582
STREET SIGN
Ralph Michel, Chicago, Ill.
Application September 1, 1949, Serial No. 113,520
1 Claim. (Cl. 40—145)

A sign comprising a rigid mounting member of U-shape channel formation adapted to be secured to a support to be disposed vertically with its free side marginal portions fitting against the support and its intermediate portion spaced outwardly from the support, and a single continuous thin elongated rectangular shaped metal message bearing plate, said plate being of general Z-shape form in cross section having an upper and a lower marginal flange each extending throughout the full length of the plate at substantially a right angle thereto and said flanges projecting in opposite directions from the plate, the mounting member being of a length greater than the width of said message bearing plate, said plate being butt-welded at one end throughout the full extent



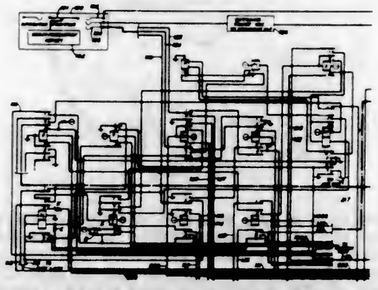
of said end to the outer side of the intermediate portion of the mounting member substantially centrally of the sides and the ends of said intermediate portion of the mounting member to extend perpendicular to said intermediate portion and with the message bearing plate vertically disposed, the intermediate portion of said mounting member having a bolt aperture in its upper and in its lower end portions, the bolt apertures being located in vertical alignment with each other and with the main body part of said plate, and means for fixedly securing said mounting member to a support comprising bolts to engage the apertures in said intermediate portion of the mounting member and nuts on the bolts.

2,596,583
ELECTROLYTIC CELL
George Turner Meiklejohn, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 12, 1948, Serial No. 20,564
In Great Britain April 21, 1947
5 Claims. (Cl. 204—219)



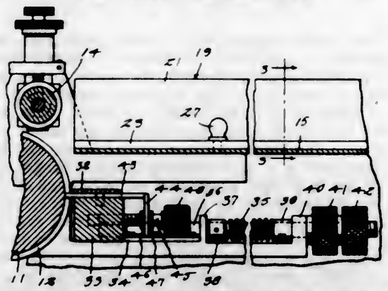
1. In an electrolytic cell for the electrolysis of solutions of alkali metal chlorides, having a plane bottom for supporting a flowing mercury cathode and flexible sealing means between its cover and lower part, an anode assembly comprising blocks of graphite having a plane undersurface fixed to the cell cover and together therewith supported from below a short distance above said bottom by a plurality of small bodies of conical shape having an apical angle greater than 40° and less than 140° made of rigid insulating material the vertices of which protrude into cylindrical holes in the anode blocks in such a way that the peripheries of the said holes make edge-surface contact only with the sloping sides of the conically-shaped bodies.

2,596,584
PULSE CONVERSION SYSTEM
Henry J. Michael, Mineola, N. Y., and Wiley Whitney, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 16, 1949, Serial No. 133,382
6 Claims. (Cl. 179—27)



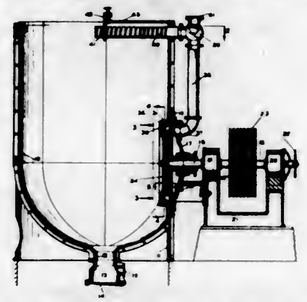
1. In a telephone system including automatic switches and incoming and outgoing trunks appearing in said automatic switches for the automatic establishment of telephone connections, designation registers normally serving incoming trunks, pulse transmitting senders normally serving outgoing trunks, an operator's position, a manually controlled pulse generator at said operator's position, operator trunks appearing at said position, manual means for seizing one of said operator trunks and connecting said pulse generator with a seized operator trunk, means responsive to the manual seizure of one of said operator trunks to connect said operator trunk with an idle one of said designation registers, and means, responsive to the registration of a designation in said designation register under the control of said pulse generator, to cause the connection of one of said pulse transmitting senders with said operator trunk.

2,596,585
DOCTORING MEANS FOR GLUING ROLLERS
Robert Minkow, New York, N. Y.
Application October 6, 1948, Serial No. 53,107
2 Claims. (Cl. 118—261)



2. A gluing machine comprising a frame, a gluing roller rotatably carried by said frame, and a glue removing device disposed transversely of said frame including guide means extending at right angles to the axis of said roller, a scraper bar disposed parallel to said roller axis slidably carried by said guide means for movement towards and away from the surface of the roller, bearing members carried by said frame in alignment with said guide means, elongated rods fixed at one end to said scraper bar and slidably extending through said bearing members, spring means fixed at one end to said rods and at the other end to said bearing members constantly urging said rods and said scraper bar towards said roller, the other ends of said rods being threaded, and adjusting nuts threaded on said other ends of said rods and abutting against said bearing members limiting the movement of said rods and said scraper bar towards said roller to thereby control the thickness of the glue film on said roller, and a forwardly extending finger member carried by said bar having an end engageable with said roller at a point disposed from the forward edge of said scraper bar.

2,596,586
MACHINE FOR TREATING FIBROUS MATERIAL
Charles W. Morden, Portland, Oreg., assignor to Morden Machines Company, Portland, Oreg., a corporation of Oregon
Application June 19, 1947, Serial No. 755,581
10 Claims. (Cl. 92—26)

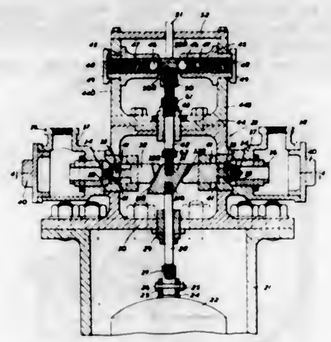


1. A machine for treating fibrous material, comprising a stationary ring member, shredding teeth on the inner periphery of said ring member, the free ends of said teeth extending inwardly of said ring member and towards the center thereof, a rotatable element coaxial with said ring member, an annular rim supported by said rotatable element in closely spaced parallel relation to said ring member, the inner peripheries of said ring member and said rim being of substantially the same diameter, shredding teeth on the inner periphery of said rim, the free ends of said latter teeth extending inwardly of said rim towards the axis of rotation thereof for cooperation with the shredding teeth on said ring member in tearing or shredding of fibrous material and means on said rotatable element for causing fibrous material to be delivered to and impinged against the two sets of shredding teeth when said element is rotated.

2,596,587
STEAM-LIFTING TRAP FOR STEAM-CIRCULATING SYSTEMS
Frederick Stanley Morton, Enfield, England, assignor to Thermomatic (Engineers) Limited, Enfield, England, a British company
Application December 22, 1948, Serial No. 66,657
In Great Britain January 1, 1948
10 Claims. (Cl. 137—103)

1. An apparatus for collecting condensate from a steam circulating system and returning the

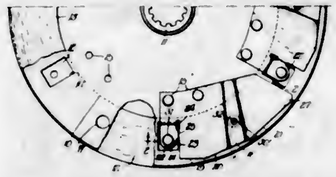
same to the boiler comprising a chamber having spaced, relatively opposite inlet and outlet openings at the upper portion thereof, said inlet opening adapted for connection to a source of steam and said outlet opening adapted to vent said chamber to atmosphere, said chamber also having a branch pipe at the lower portion thereof communicating with the interior of said chamber, one branch of said pipe adapted for connection with a pipe for conducting the condensate from the system into said chamber, said last named pipe having a non-return valve therein permitting condensate to pass through said one branch and into said chamber, and the other branch of said pipe adapted for connection with a pipe for conducting the condensate from the chamber back to the boiler, said last named pipe having a non-return valve therein permitting the condensate to pass from said chamber back to the boiler; a slidable valve member mounted



for reciprocation between the spaced, relatively opposite inlet and outlet openings and having valve means on the ends thereof adapted to alternately open and close said inlet and outlet openings; a float within said chamber adapted to rise or descend in accordance with the presence or absence, respectively, of condensate within said chamber; and a member connected to said float and movable therewith in a direction normal to the direction of movement of said valve member, said valve member and the member connected to said float having cooperating, slidably engaging, substantially parallel faces inclined obliquely to a vertical plane perpendicular to the line of movement of said valve member, the direction of inclination of said cooperating faces being such that the valve member is reciprocated in a direction to open the inlet valve and close the outlet valve when the float rises and to close the inlet valve and open the outlet valve when the float descends.

2,596,588
COMPRESSIBLE CLUTCH PLATE
Austin R. Narrin, Lake Orion, Mich., assignor to B. G. Quirk, Birmingham, Mich.
Application May 15, 1947, Serial No. 748,170
8 Claims. (Cl. 192—107)

1. A clutch cushion spring of the type described comprising a sheet metal member having an attaching portion provided with rivet receiving holes adapting the same to be fixedly secured to a rotative support and an undulatory springing portion extending circumferentially from said attaching portion, said springing portion having an aperture therein for riveted securement of the member to one of a pair of clutch facings associated with said support, said attaching portion being marginally shaped to partially define an integral tying element, which tying element is provided with a hole therein for riveted securement thereof to the other of said facing elements, said tying element being further defined

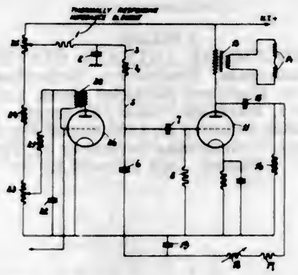


in part by a closed aperture of substantial size in said spring, which aperture is spaced from the rivet holes of said attaching portion and also spaced inwardly from one side of said tying element by the material of said spring, the material of the spring outwardly of said aperture and alongside said tying element being readily severable when it is desired to deflect said tying element relative to said attaching portion.

2,596,589
RADIATOR ASSEMBLY FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE
Robert O. Nusbaum, Elkhart, Ind.
Application October 21, 1949, Serial No. 122,789
3 Claims. (Cl. 257—125)

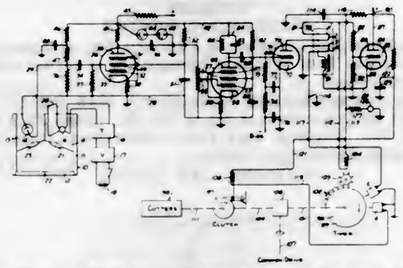
1. The combination of a heat exchange unit comprising a plurality of tubes, a sheet metal tank constituting a header for said tubes and having an opening in its top wall extending the major portion of the length thereof, the edge around the opening being downwardly offset providing a gasket seat, a sheet metal cover for said opening having a downwardly facing gasket seat at its edge, a gasket arranged on said seat of said tank to be received in said seat of said cover, a plurality of latches spacedly mounted on said cover and turnable to engage the underside of the tank top, a nipple disposed on the rear wall of the tank and adapted to constitute a connection for a return circulating conduit to the unit, a tubular screen provided with a tubular coupling fixedly secured at right angles to said screen and constituting a support for the screen, said coupling being telescopingly engaged in said nipple and being provided with a downwardly directed discharge positioned centrally within the screen, and a depending finger on said cover engaging the screen when the cover is in position to prevent the withdrawal of the coupling from the nipple.

2,596,590
TELEVISION TIME BASE CIRCUIT
Bryan Richard Overton, Salfords, near Redhill, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application August 30, 1949, Serial No. 113,118
In Great Britain September 2, 1948
7 Claims. (Cl. 315—27)



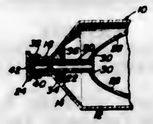
1. A time base circuit for a cathode ray tube, comprising a magnetic deflection coil for said tube having a given resistance-temperature coefficient, means coupled to said coil to generate therein a deflection current having an amplitude proportional to the voltage across said coil and to the resistance thereof, and a thermally responsive variable impedance element coupled to said generating means to vary the amplitude of said voltage proportional to variations of said resistance produced by ambient temperature variations.

2,596,591
PHOTOELECTRIC SYSTEM
David Packard, Los Altos, and Norman B. Schrock, Palo Alto, Calif., assignors, by mesne assignments, to Hewlett-Packard Company, Palo Alto, Calif., a corporation of California
Application November 2, 1946, Serial No. 707,510
5 Claims. (Cl. 250—224)



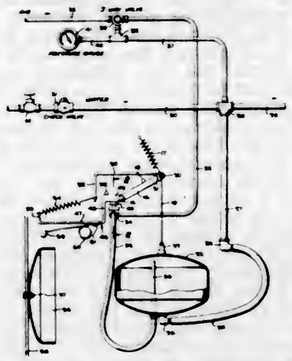
3. In an electrical system for effecting operations in response to light reflected from plants, a device adapted to be traversed along a row of plants, a source of light carried by said device and serving to subject portions of said plants to pulsating light, a photoelectric tube carried by said device and arranged to receive light pulsations reflected from said plant portions, electronic amplifying means having its input coupled to the photoelectric tube and being responsive to pulses of the same frequency as the frequency of the light pulsations, a timing device including a winding adapted to be energized, said timing device including electrical contacts adapted to be operated a predetermined time interval after energization of said winding, means including another device actuated responsive to operation of said contacts, and means coupled to the output of said amplifying means and serving to effect energization of the winding of the timing device responsive to receipt of light pulsations by the photoelectric tube.

2,596,592
SELF-CLOSING PASTE TUBE
Leonard A. Parker, De Witt, Ark.
Application July 19, 1950, Serial No. 174,749
1 Claim. (Cl. 222—92)



A dispenser tube having deformable side walls and an end wall, an externally threaded neck extending outwardly of said end wall, an apertured sleeve slidably disposed in said neck, a cap rotatably attached to the outer end of said sleeve, an internally threaded annular flange on said cap adapted to threadingly engage said neck, a pair of opposed arcuate resilient bands disposed in said tube in contact with the deformable side walls thereof, each of said bands having one end thereof secured to said sleeve, means clamping the end of said side walls of said tube remote from said end wall together and to the other end of said bands.

2,596,593
PRESSURE JET APPARATUS
Dewey M. Paxton, Phoenix, Ariz., assignor to Industrial Research, Inc., a corporation of Arizona
Application December 8, 1947, Serial No. 790,249
5 Claims. (Cl. 103—243)



3. A pressure jet apparatus, including: a tank, water inlet and outlet means connected to said tank; a water supply conduit connected to said means; a supply line for compressed air communicating with the top portion of said tank; a normally closed valve in said line preventing air flow to said tank; and a mechanism for supporting said tank for vertical movement and capable of urging the empty tank to an elevated position and enabling said tank to move to a lowered position when containing a predetermined quantity of water, comprising a first arm; a second arm organized with said valve for opening the same; a common pivot for said arms from which they extend in opposite directions; a connection between said first arm and said

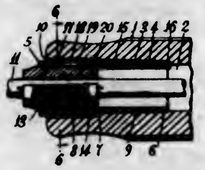
tank suspending the latter from said arm; a spring connected to and positioned above said first arm for urging the arm and tank upwardly; an extension of said first arm projecting to the other side of said pivot from said arm; and a second spring so connected to said extension and said second arm that when said first arm is lowered by said tank to a position in which that end of said second spring which is connected to said extension is below said pivot the spring will depress said second arm and open said valve.

2,596,594

CHUCK FEATURE OF TOOLS OF THE DETACHABLY CONNECTED SHANK AND HANDLE TYPE

John N. Petre, Orchard Park, N. Y., assignor to Park Metalware Company, Inc., Orchard Park, N. Y., a corporation of New York

Application October 11, 1950, Serial No. 189,554
1 Claim. (Cl. 279—79)



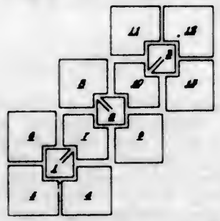
In a tool of the type which includes a handle of plastic material having an axial recess of circular cross section, a metallic sleeve fitted within the recess and formed externally with a flat face in chord-like relation to the annular wall of the recess whereby a clearance is provided between the flat face and the annular wall of the recess, the recess having an internal annular shoulder against which the sleeve abuts, and a shank provided with a terminal tool formation and with a collar of substantially greater diameter having a number of flat faces, the sleeve having an internal shoulder against which the collar abuts and having an internal flat face formation conforming to the flat face formation of the collar, the collar fitting conformably within the sleeve: a chuck construction wherein the sleeve is formed between its external flat face and a corresponding internal flat face with an elongated longitudinally extending slot which registers with a flat face of the collar and a spring latch is provided in association with the sleeve and is in the form of a leaf spring having a straight elongated body portion overlying and resting upon the sleeve and extending longitudinally thereof, a terminal inwardly directed flange which engages the inner end of the sleeve as fitted within the recess, and a terminal bow of semi-circular outline in longitudinal section which is arranged within the slot and has a normal tendency to spring inward, the elongated body portion of the latch being clamped by and between the collar and the annular wall of the recess and the bow-carrying terminal portion of the latch being in radial alinement with the slot with the bow normally projecting inwardly beyond the sleeve and engageable with any flat face of the collar, the clearance between the external flat face of the sleeve and the annular wall of the recess of the handle providing radial play for the bow-carrying terminal portion of the spring latch in alinement with the slot, the inner or rear wall of the slot providing a fulcrum about which said bow-carrying terminal portion may have its play, the inner end portion of the collar providing a shoulder which as the collar is inserted into the sleeve is engageable with the bow of the latch with cam effect to move the bow radially outward whereby to cause its engagement with the flat face of the collar as fully inserted into the sleeve and to store power in the spring latch, the terminal flange of the spring latch being clamped by and between the inner end of the sleeve as fitted within the recess and the annular shoulder of the recess.

2,596,595

DIRECTIONAL ANTENNA SYSTEM

Klaas Posthumus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application October 19, 1948, Serial No. 55,316
In the Netherlands December 23, 1947
7 Claims. (Cl. 250—33.53)



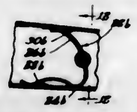
1. A directional antenna system comprising a plurality of frame antenna structures each constituted by a centrally disposed open-circuited coil and a group of short-circuited loops inductively coupled to said coil and circumferentially arranged thereabout, the loops extending outwardly from the periphery of said coil and being shaped to define adjoining segments in an annular surface surrounding said coil, said frame aerial structures being disposed at adjacent positions in a single plane, adjacent structures having at least one short-circuited loop in common.

2,596,596

FASTENING DEVICE

Ougljesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Original application September 1, 1948, Serial No. 47,245, now Patent No. 2,515,895, dated July 18, 1950. Divided and this application June 24, 1950. Serial No. 170,144
6 Claims. (Cl. 24—73)



1. A spring clip for use with channel-shaped members including a head for traversing the space between opposed walls of a channelled work piece, said head comprising a strip of sheet metal bent transversely intermediate its ends into generally V-shape and presenting a pair of arms diverging from and relatively shiftable about the axis of a yieldable connecting hinge section, one of said arms constituting a strut member which is relatively rigid as compared with the other arm, said hinge section having a bearing surface for engaging one of the opposed walls of said channelled work piece, said relatively rigid strut member having a bearing surface in the vicinity of its free extremity for engaging the opposite wall

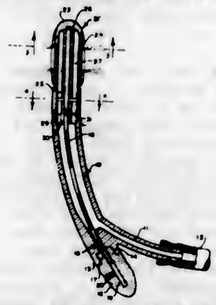
of the aforesaid channelled work piece and adapted to traverse the space between opposed wall surfaces, the other of said arms having a free work-engaging extremity movable in a plane substantially normal to the axis of said hinge for urging said rigid arm into strutting relation with respect to the opposed walls of said channelled work piece, and a shank positioned intermediate the extremities of and extending from one of said arms in substantial parallelism to the hinge axis for accommodating an apertured work piece.

2,596,597

SYRINGE NOZZLE

John C. Raymond and Henry O. Wilcox, Denver, Colo.

Application May 11, 1949, Serial No. 92,536
11 Claims. (Cl. 128—239)



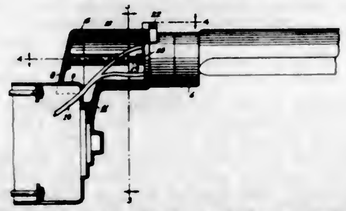
1. In a syringe device, an elongated body member having a liquid passage therethrough, a spray member rotatably mounted on one end of the body member and having an outer surface provided with ridges and orifices in communication with the body passage at their inner ends and with the outer surface between the ridges, and means carried by the body member for rotating by hand the spray member.

2,596,598

MOTOR-LIGHT ADAPTER FOR SEWING MACHINES

Solomon Redlich, New York, N. Y., assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y., a corporation of New York

Application August 19, 1950, Serial No. 180,488
1 Claim. (Cl. 240—2.14)



A light adapter attachment for a sewing machine motor comprising a hollow gooseneck to extend up from the top of the motor and thence laterally to support a lamp at the back of the arm of the sewing machine and comprising an end cap arched at the bottom to fit over the top of the motor, a laterally extending barrel fitting over the outer end of said end cap and forming a lateral continuation extending away from said end cap, said barrel having a seat at the outer end of the same, a lamp socket engaged with said seat, screw means connected with said end cap and with said lamp socket and extending through the barrel to thereby bind said parts together in a hollow gooseneck structure adapted to carry wiring for the lamp socket therethrough, said barrel having a dependent flange extension engageable over the end of the motor and screw means extending through said dependent flange extension into the end structure of the motor for securing said lamp socket supporting gooseneck in supported position on the end of the motor.

2,596,599

TREATMENT OF CARBOHYDRATE-CONTAINING LIQUIDS FOR REMOVAL OF ALKALINE EARTH COMPOUNDS

Gustave T. Reich, Philadelphia, Pa.

Application August 30, 1948, Serial No. 46,746
4 Claims. (Cl. 127—48)

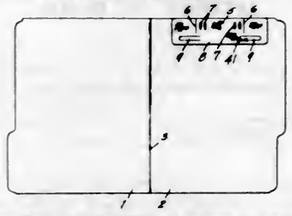
1. The method of removing calcium compounds from carbohydrate-containing liquids which comprises treating the liquid at a concentration of from 35° to 55° Brix, at a temperature of from 160° to 200° F., and at a pH of from 3.0 to 5.0 with a precipitant selected from the group consisting of sulfuric acid and water soluble sulfates, for a period of from 45 to 90 minutes, to precipitate calcium sulfate in the form of well developed monoclinic crystals, and separating the precipitated calcium sulfate substantially all in the form of said monoclinic crystals from the liquid before any substantial redissolution of the precipitated calcium sulfate occurs.

2,596,600

BINDER OR LOOSE SHEET HOLDER

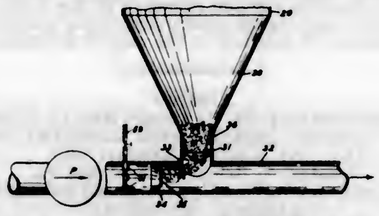
Duncan Rice, Kalamazoo, Mich.

Application January 18, 1946, Serial No. 641,928
6 Claims. (Cl. 129—41)



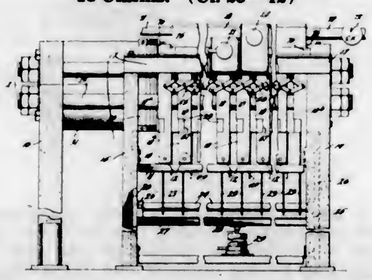
6. A binder comprising a cover composed of flexible material and having slits therethrough to provide a binding flap hinged at one edge, said binding flap having opposite end edges disposed transversely said hinged edge and in spaced relation from opposite side edges of the cover, said binding flap having tongue receiving openings therein, said cover having other slits therethrough to provide tongues having hinged edges each extending in directions transversely the hinged edge of the binding strip, said tongues being swingable in a plane substantially parallel to the hinged edge of the binding flap and insertable through the tongue receiving openings of the binding flap, said openings in a direction parallel to the hinged edges of the tongues to the cover each being of dimensions not less than the width of the tongues to permit the tongues to be inserted through the openings without twisting the tongues and to permit the tongues to lie flat against the binding flap said cover including a flat rear cover member for supporting filler sheets, said tongues being hingedly joined to a portion of the rear cover member disposed in the plane thereof.

2,596,601
APPARATUS FOR AND METHOD OF HANDLING DUSTY MATERIALS
Harry L. Richardson, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application July 31, 1947, Serial No. 764,976
12 Claims. (Cl. 183—7)



2. Apparatus for removing suspended dusty material from a gas stream comprising means for separating and collecting suspended dusty material from the gas stream in a substantially dry condition, a receiver separate from the flow path of the gas stream in said dust separating and collecting means, means providing communication between said dust separating and collecting means and said receiver for transfer of collected dusty material therebetween, and means for interposing at a location removed from the flow path of the gas stream a substantially continuous layer of foam across the path of dusty material passing from said dust separating and collecting means to said receiver.

2,596,602
MOLDING MACHINE
Walter B. Roddenbery, Jr., Cairo, Ga.
Application May 17, 1948, Serial No. 27,541
18 Claims. (Cl. 25—42)



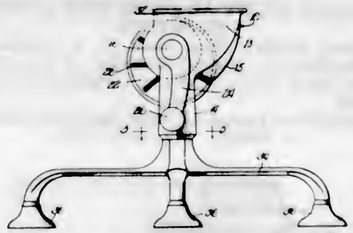
8. Apparatus for simultaneously molding a plurality of articles comprising, in combination, a supporting frame, a plurality of mold forming members disposed in series relation, each two adjacent members of said series together defining a molding chamber and a plurality of such molding chambers being provided by the series of members, each of said members being permanently associated with adjacent members, one surface of each of said members which bounds a molding chamber being formed with a recess, the other surface of each of said members which bounds a molding chamber being formed with a plunger-like portion fitting said recess in the opposite member and occupying at least a portion thereof at all times, the face of said plunger providing the opposite end wall of the molding chamber, fluid pressure means for effecting relative movement of said members upon said supporting frame so as to expand and contract said molding chambers, and fluid pressure means for effecting the discharge of molded articles from said chambers upon the completion of a molding operation.

2,596,603
LIGHTING UNIT FOR AIRFIELDS
Charles T. Sands, Jr., Baltimore, Md.
Application April 21, 1947, Serial No. 742,927
1 Claim. (Cl. 177—352)



A lighting unit for airdromes comprising a longitudinal housing of semi-circular cross section, serving as a reflector, said housing being concave about the longitudinal axis thereof, closure members at each end of the housing, a plurality of elongated lamps of different colorings in said housing, said lamps having their terminals carried by the closure members, a pair of lenses anchored along the edges of said housing and apexed towards each other to form common meeting edges, a ridge cap of colored plastics mounted over the meeting edges to hold the lenses in contact, and a plurality of stakes secured to the bottom of the housing and of a length to maintain the housing above normal snow level.

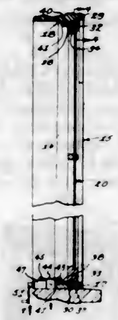
2,596,604
KITCHEN UTENSIL FOR SLICING AND CUTTING ARTICLES OF FOOD
Lewis C. Schaeffer, Fremont, Ind., assignor to Kitchen-Quip, Inc., Fort Wayne, Ind., a corporation of Indiana
Application September 8, 1947, Serial No. 772,799
1 Claim. (Cl. 146—92)



A kitchen utensil for slicing and cutting articles of food comprising an integral cast body forming a hopper in which the article of food is supported while being presented to the cutter, a bearing portion, and a downwardly extending stem portion, said hopper having sides with the upper edges thereof disposed in a substantially horizontal plane, one of said sides merging with said bearing and stem portions, a hole defined in said bearing portion and extending through the side merging with said bearing portion, a crank shaft extending through said hole, a rotatable hollow truncated cone cutter having an open outer end and a closed inner end, means carried on one end of said shaft upon which said inner end of said cutter is detachably mounted, a crank on the other end of said shaft, the hole in said

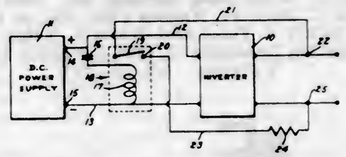
bearing portion being slanted downwardly to dispose the top of said cutter substantially horizontal, the other of said hopper sides being shaped to provide circumferential rotational clearance with and adjacent to the outer open end of said cutter, a further side of said hopper having an upper edge in said plane and connecting said first and second sides and sloping downwardly and toward the lower portion of said cutter and being shaped to provide circumferential rotational clearance with said cutter, said sides of said hopper providing a receptacle opened at the top and at a lower end, with said cutter disposed in and closing said lower end, the axis of rotation of said shaft and cutter being generally disposed to one side of said receptacle to provide increasing clearance between said cutter and said further side from a point below said axis and extending upwardly toward said plane, the greater part of the cutting surface of said cutter being fully exposed for detachably connecting the cutter to said means with only a minor part of the cutting surface of said cutter closing the lower end of said receptacle.

2,596,605
VENTILATOR
Herbert O. Scheller, Nokomis, Ill.
Application December 16, 1949, Serial No. 133,233
2 Claims. (Cl. 20—53)



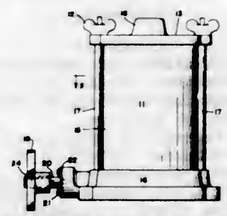
1. A ventilating closure for a side wall having an opening bounded by a header and a sill comprising at least one pair of flat dowel plates positioned in spaced relation along the under face of said header and fixedly secured to the latter, a dowel pin depending from each one of said pair of dowel plates, at least a second pair of flat dowel plates positioned in spaced relation along the upper face of said sill and secured to the latter, an upstanding dowel pin projecting from each one of said second pair of dowel plates, the dowel pins of said one pair of dowel plates being in alignment with the dowel pins of said second pair of dowel plates, at least two window sashes arranged in side by side abutting relation positioned longitudinally of and within said opening, a flat hinge plate fixedly secured to the upper face of each of said sashes intermediate the sides thereof and each loosely receiving the depending dowel pin adjacent thereto, a second flat hinge plate fixedly secured to the under face of each of said sashes intermediate the sides thereof and each loosely receiving the upstanding dowel pin adjacent thereto, an arm arranged transversely of each of said first and second named hinge plates and having one end secured to the latter, a horizontally disposed rod arranged longitudinally of said header and said sill adjacent the other ends of the arms of said first and second named hinge plates and pivotally connected to the other ends of said arms adjacent thereto, and a manually actuable regulator positioned on said sill adjacent one end of the rod contiguous to said sill and operatively connected to the latter named rod for opening and closing the sashes in unison.

2,596,606
INVERTER STARTING CIRCUIT
Bernard L. Scherer, New York, N. Y., assignor to Sorensen & Company, Inc., Stamford, Conn., a corporation of Connecticut
Application April 19, 1951, Serial No. 221,810
5 Claims. (Cl. 321—32)



1. In combination with an electronic inverter being supplied from a source of direct current potential, means for readily starting said inverter by momentarily reducing the magnitude of said direct current potential, said means including switching means adapted to be operative upon the surge of current which occurs when said source of potential is energized and rendered non-operative when said surge has passed, resistance means associated with said switching means whereby when said switching means is operative said resistance means loads said source of direct current potential to reduce the magnitude of the potential supplied the inverter to enable said inverter to start readily.

2,596,607
LUBRICATOR
Charles Harold Scott, Westport, Conn., assignor to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application March 23, 1949, Serial No. 83,011
6 Claims. (Cl. 184—37)



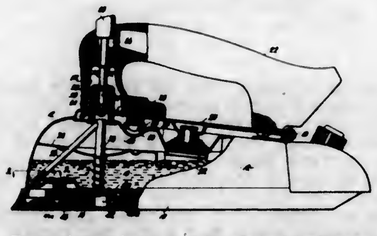
1. A lubricator adapted for slow delivery of lubricant comprising a hollow base, a cylinder secured to the base and adapted to contain lubricant, an axially non-shiftable rotatable drive screw within and coaxial with the cylinder, a lubricant-expelling piston structure within the cylinder and centrally engaged by the screw, said piston structure being non-rotatable due to frictional contact with the inner face of said cylinder and adapted to expel lubricant from the cylinder through the base by rotation of the screw, speed-reducing means supported in and by the base for imparting stepwise motion to the screw, and having a drive shaft rotatable in said base, characterized by said speed-reducing means com-

prising a ratchet shaft having motion transmitting means between it and the screw, a first ratchet fixed upon said ratchet shaft, a second ratchet loose upon said shaft, a motion-transmitting device comprising an idler pawl for imparting stepwise rotation to said loose ratchet by the rotation of said drive shaft, and carry-over means associated with said loose ratchet, with said motion-transmitting device and with said fixed ratchet whereby periodical start-and-stop rotation is imparted to the fixed ratchet by and incident to the rotation of the loose ratchet.

2,596,606
STEAM IRON

Robert J. Scott, Blue Springs, Mo., assignor to John C. Heckery, Kansas City, Mo., as trustee for Henry J. Talge and Foster L. Talge

Application December 19, 1951, Serial No. 262,360
9 Claims. (Cl. 38—77)



3. In a steam iron, a sole plate having a steam outlet port in its lower surface, a liquid-receiving boiler mounted on the upper surface of said sole plate, said boiler having an enclosed steam space above a water space, a duct having its lower end located in the liquid space in the boiler and its upper end connected to said outlet port, the portion of said duct intermediate said two ends extending through said steam space and contain-space normally enters the duct, and valve means associated with said opening for closing said duct to the steam space, thereby to cause the steam pressure acting on the surface of the liquid to force the liquid into said duct through said one ing an opening through which steam from said end and discharge same through said outlet.

2,596,609
SULFIDATION OF MINERALS

Hubert A. Shabaker, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application February 6, 1948, Serial No. 6,722
19 Claims. (Cl. 23—110)

1. The process of sulfiding solid mineral material containing components reactive to form metallic sulfides, which comprises initially heating such a mineral material by contact with comparatively large volumes of a treating gas introduced into a primary treating zone, said gas being composed of a preheated essentially inert carrier gas containing gaseous sulfide in dilute concentration therein, maintaining contact between said mineral material and said treating gas in said primary treating zone for a period at least sufficient to heat said mineral material to desired reaction temperature and simultaneously effecting thereby the initial sulfidation of said reactive components, and thereafter contacting the thus heated material with a comparatively small volume of concentrated sulfiding gas for a controlled period in a subsequent treating zone by introduction of said concentrated sulfiding gas into said subsequent treating zone under independently controlled conditions and at a temperature lower than that of the mineral material introduced in said subsequent zone thereby

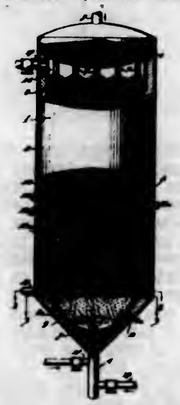


perfecting the sulfiding reaction initiated in said primary treating zone; the concentration of gaseous sulfide in the concentrated sulfiding gas employed in said subsequent treating zone being considerably greater than that in said treating gas employed in the primary treating zone.

2,596,610
APPARATUS FOR CONTACTING SOLID MATERIALS WITH FLUIDS

Hubert A. Shabaker, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application March 17, 1948, Serial No. 15,336
7 Claims. (Cl. 23—284)



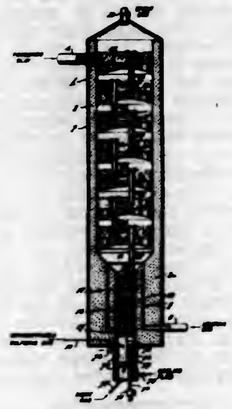
1. Apparatus for contacting freely flowable solid materials with gaseous fluids comprising an upright treating chamber having a vertical wall laterally enclosing said chamber, a top closure for said chamber open to the introduction of solid materials therethrough and into said chamber for gravitation of said solid materials through said chamber, a bottom member in said chamber, the upper surface of which forms a temporary support for a bed of solid materials in said chamber, said bottom member having a plurality of downwardly directed conduits associated therewith through which solid materials can be withdrawn from above the surface of said bottom

member, said conduits being positioned so that their inlet openings are at the upper surface of said bottom member and are arranged in a plurality of horizontally concentric circles including an outer circle and an inner circle, the conduits extending from said outer circle being directed downwardly and inwardly and the conduits extending from said inner circle being directed downwardly and outwardly so that the outlet openings of said conduits from both said outer and inner circles are arranged to form a common circle in a horizontal plane below said bottom member, whereby withdrawal of solid material from above the surface of said bottom member is effected with substantial uniformity over the entire lateral cross section of said chamber; fluid conducting means for introducing gaseous fluids from an external source into said chamber and separate fluid conducting means for withdrawing gaseous fluids from said chamber, said several fluid conducting means communicating with said chamber at points vertically spaced from said bottom member, one of said fluid conducting means communicating with said chamber at a location above said bottom member and the other of said fluid conducting means communicating with said chamber at a location below said bottom member.

2,596,611
CHEMICAL TREATMENT OF FINELY DIVIDED SOLIDS

Walter L. Weidman, Woodbury, N. J., and Hubert A. Shabaker, Media, and Edward B. Cornelius, Swarthmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application April 7, 1948, Serial No. 19,456
5 Claims. (Cl. 252—439)

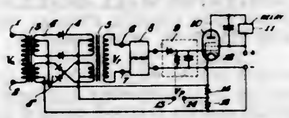


1. The process of treating finely divided solid mineral material at elevated temperature with gas reactive with a component of said mineral materials, which comprises continuously feeding said finely divided solid mineral material initially into a primary treating zone to form a layer of said material in said zone, continuously withdrawing solid material from said layer to form a second layer of solid material within said zone, said continuous feeding and withdrawing being continued to provide a plurality of such layers at spaced levels in said zone, introducing into a mixing zone below the lowermost final layer thus formed in said primary treating zone a gas heated to at least maximum desired reaction temperature, further introducing into said mixing zone a concentrated reactive gas in substantially smaller volume than said heated gas, effecting mixing of said concentrated reactive gas with said heated gas in said mixing zone to form a diluted hot treating gas, flowing the diluted hot treating gas into said final layer at a rate sufficient to suspend the solid material in said layer to form a dense turbulent fluidized mass, separating dilute hot treating gas from said final layer and flowing the separated gas to the next higher layer to effect suspension of the solid material in said layer to form a dense turbulent fluidized mass, separating hot dilute treating gas from said last named layer and successively flowing the separated gas in like manner to suspend each succeeding higher layer and finally to the first and highest layer formed by the continuous initial feeding of solid mineral materials and thereafter discharging separated gas from said highest layer; the temperature of said diluted hot treating gas being reduced in flowing successively through the several layers while the temperature of said solid material is increased progressively in descent from said highest layer to said lowermost layer as a result of direct heat exchange in contact between said diluted hot treating gas and said solid material; withdrawing the thus heated and treated solid material from said lowermost layer of said primary treating zone and contacting the withdrawn solid material directly with concentrated reactive gas introduced at a temperature lower than the temperature of said solid material, said concentrated reactive gas being flowed at a rate sufficient to suspend the solid material thus contacted in dense turbulent fluidized condition, separating concentrated reactive gas from contact with said solid material and admitting the separated gas to the aforesaid mixing zone, continuously withdrawing solid material after contact with the concentrated reactive gas, contacting the solid material thus withdrawn with cool inert gas, admixing cool inert gas with reactive gas to form by the admixture said concentrated reactive gas hereinbefore specified, and finally discharging treated solid material in cooled condition.

2,596,612
SIGNAL RECEIVER FOR CARRIER-WAVE TELEPHONY SYSTEMS

Willem Six, Hugo Gerrit Beljers, and Jan te Winkel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

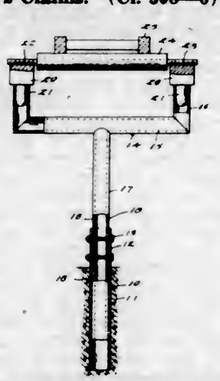
Application July 20, 1946, Serial No. 685,143
In the Netherlands June 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 12, 1963
3 Claims. (Cl. 175—320)



1. A signal receiver for a suppressed carrier wave telephony system, comprising a push-pull modulator comprising a plurality of rectifiers and an output circuit, means to apply a received signal voltage to the rectifiers of said modulator in phase coincidence, a source of auxiliary oscillations having a substantially constant amplitude,

means to apply said auxiliary oscillations to the rectifiers of said modulator in phase opposition to produce in said output circuit an output signal voltage having a frequency lower than the frequency of said received signal voltage, filter means coupled to said output circuit and adapted to pass the frequency of said output signal voltage, utilization means including a relay coupled to the output of said filter means and responsive to said output signal voltage, said utilization means being adapted to decrease the current flowing through said relay upon an increase in amplitude of said output signal voltage, means responsive to the current flowing through said relay to produce a negative bias voltage varying in amplitude in a discontinuous manner inversely proportional to the amplitude of said output signal voltage, and means to apply said negative bias voltage to the rectifiers of said modulator in a polarity opposing conduction in said rectifiers.

2,596,613
RUB-BOARD BRIDLE SUPPORT
Harold Edwin Sparks, Temple, Okla.
Application April 24, 1950, Serial No. 157,760
2 Claims. (Cl. 308—6)



1. A rub-board bridle support comprising a tubular base adapted to be anchored to the ground, a U-shaped cradle, a shank depending from the bight of said cradle and telescoping into said base, means securing said shank in vertically adjusted position in said base, a roller disposed between the legs of said cradle and including outwardly projecting stub shafts extending from the ends of said roller, a pair of bearing blocks for said shafts, and a depending stud carried by each block projecting into the upper end of a leg of said cradle.

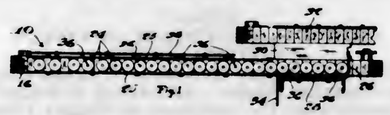
2,596,614
ILLUMINATED WALL BRACKET
William John Stepien, Chicago, Ill.
Application March 29, 1948, Serial No. 17,603
2 Claims. (Cl. 240—2)

1. In an illuminated wall bracket, a shell having an open top, a transparent platform secured to said shell in spaced relation to said top opening, a partition in the open end of said shell, a flange on said platform depending therefrom and in part overlapping the open end of said shell, the non-overlapped portion of said flange being of stepped formation and spaced from the open end of said shell, a lamp in said partition at the open end of said shell contiguous to said platform, a mirror carried by said platform contiguous to said partition, a reflector adjustably received upon the open end of said shell between same and the stepped portion of said flange in



the light path of said lamp and of said mirror, and an upwardly and inwardly curved end on said reflector extending beyond said shell.

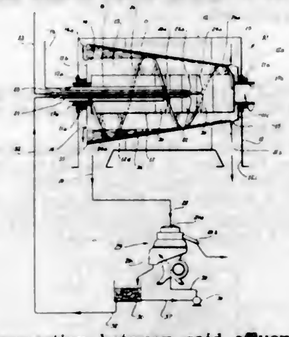
2,596,615
CONVEYER
Walter S. Sterling, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 26, 1949, Serial No. 123,593
8 Claims. (Cl. 198—19)



4. A conveyor for handling containers of the type having the upper portion of the body portion enlarged with respect to the base portion, including a continuously moving conveyor belt adapted to convey a line of containers in an upright position and with their upper portions in contiguous relation, and means engageable with the bottoms of the containers for substantially reducing the traction of the belt on the bottoms of selected of said containers when the line is brought to rest on the continuously moving belt whereby to prevent crowding together of the lower ends of the containers during such continued movement of the conveyor, said traction reducing means comprising a series of relatively thin narrow metal strips extending across and adjacent to the upper surface of the conveyor belt at spaced intervals, said strips being extended at an angle inclined in the direction of movement of said belt, and terminating at a point intermediate the width of the belt, to permit at least a portion of the bottom of the container to be in tractional engagement with the belt whereby to permit a single container being conveyed to be advanced over the strips.

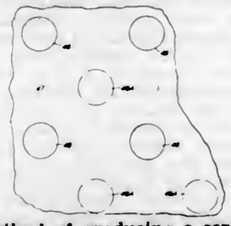
2,596,616
METHOD AND SYSTEM FOR SEPARATING SOLIDS FROM LIQUIDS
George J. Strezynski, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application April 9, 1951, Serial No. 219,971
11 Claims. (Cl. 233—18)

1. A centrifugal system for separating solids from liquid of lower specific gravity than the solids, which comprises a coarse centrifugal separator having a rotor provided with a chamber for separating the mixture of liquids and solids into an outer annulus of sludge and an inner annulus of effluent, the rotor chamber having an inlet for receiving the mixture and also having separate outlets for effluent and sludge, respectively, the sludge outlet being located at a smaller radius from the rotor axis than the effluent outlet, a conveyor mounted in the rotor and operable to transport separated sludge inwardly from the sludge annulus and the effluent annulus to the sludge outlet, a fine centrifugal separator having a lower throughput capacity than the first separator and having an inlet, an effluent outlet and a sludge outlet, a



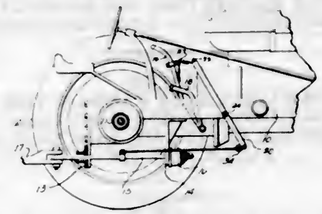
pipe connection between said effluent outlet of the first centrifuge and said inlet of the second centrifuge, an auxiliary feeding device extending into said rotor and having its discharge end positioned to discharge material into the path of separated sludge being transported by said conveyor, at a region between the effluent annulus and said first sludge outlet, and a return pipe line leading from the sludge outlet of the second centrifuge to said auxiliary feeding device.

2,596,617
INCREASING NUMBER OF HOLES IN APERTURED METAL SCREENS
Gordon K. Teal, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 29, 1948, Serial No. 67,917. Divided and this application October 27, 1949, Serial No. 123,875
4 Claims. (Cl. 41—43)



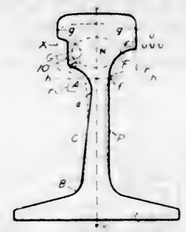
1. The method of producing a screen with an increased number of holes from a master screen having a smaller number of holes comprising the steps of placing said master screen upon a thin support member, depositing a solid material through the holes of the screen to produce a pattern of solid dots over the entire surface of the support member, shifting the master screen so that the holes fall in position between the dots on the support member, depositing a solid material through the holes in the screen while it is in this position, removing the master screen, depositing a layer of metallic oxide upon the support member, reducing the metallic oxide to metal, and then removing the solid dots.

2,596,618
CLUTCH RELEASE ATTACHMENT FOR TRACTORS
Clarence C. Thiem, Markesan, Wis.
Application November 29, 1949, Serial No. 130,016
1 Claim. (Cl. 180—14.5)



In combination with a tractor having a frame, a draw bar slidably mounted on said frame for longitudinal movement and extending rearwardly of the tractor, a spring connected between said frame and the front end of said draw bar resiliently resisting longitudinal movement of said draw bar in a direction rearwardly of the tractor, and a clutch release lever mounted on said frame and movable in a direction forwardly of the tractor to release the associated clutch, means automatically moving said clutch release lever in its clutch releasing direction when the pull on said draw bar exceeds the force of said spring comprising an elongated lever pivotally mounted intermediate its length on said frame and disposed in substantially upright position ahead of said clutch release lever, a clamp mounted on said clutch release lever and having a forwardly projecting hook formation, a flexible element connected at one end to said lever at the upper end of the latter and adjustably connected to said hook formation, a bracket secured on said draw bar rearwardly of the lower end of said lever, and a link pivotally connected at one end to said bracket and at its other end to said lever at the lower end of the latter to swing the upper end of said lever forwardly when said draw bar moves rearwardly of said frame against the force of said spring.

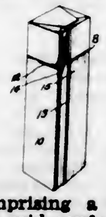
2,596,619
RAILROAD RAIL UNSYMMETRICAL SIDES
Samuel G. Thomson, Flushing, N. Y.
Application December 6, 1945, Serial No. 633,210
12 Claims. (Cl. 238—125)



12. A railroad rail having a head and a base joined by a web having upright sides, the upper portion of said head having upright sides to provide track-gaging surfaces on opposite sides of the head at equal distances from a longitudinal vertical plane which is equidistant from the lower limits of said web sides, a head-web fillet portion having opposite sides each including a concave joint-bar-bearing joined to its respective upright web side at a different distance than the

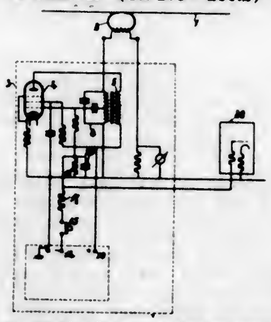
other from said vertical plane, the formation and relative positions of said bearings effecting unequal dimensions on the opposite sides of the head in the distances of the lower limits of said bearings from a horizontal plane at the top of the head, and in the distances of the upper limits of said bearings from said horizontal plane, and in the length of the radii of said bearings.

2,596,620
WRAPPER FOR CANDY BARS OR THE LIKE
Rex Townsend, Greenwich, Conn.
Application May 12, 1949, Serial No. 92,761
1 Claim. (Cl. 229—87)



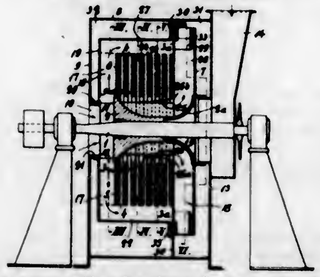
A package comprising a confection and a wrapper enclosing said confection, said wrapper comprising a substantially rectangular sheet of readily tearable material, said wrapper being scored on the inner face in the form of a sharply angled, outwardly extended groove appearing on the outer face of the wrapper as an outwardly embossed, sharply pointed ridge extending entirely across the face of the wrapper from one side edge to the opposite side edge and defining a readily removable end section of the wrapper which will extend completely around a package to which said wrapper may be applied, and a finger tab projecting transversely from one side edge of said removable end section of the wrapper, said finger tab having a straight edge which is innermost from the end edge of the removable end section in line with and constituting an extension of said scored portion of the wrapper and forming a projecting grip by which said removable end section may be torn off along said score line.

2,596,621
MAGNETIC RECORDING DEVICE
Carel Jan van Loon, Cornelis de Koning, and Marten de Vroome, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 4, 1950, Serial No. 147,682
In the Netherlands March 16, 1949
3 Claims. (Cl. 179—100.2)



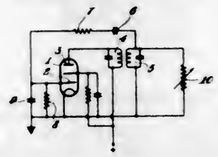
1. In a magnetophone system provided with a magnetic sound carrier and means for impressing magnetically a sound recording on said carrier, apparatus to erase said recording comprising a magnetic head disposed adjacent said sound carrier, and a generator for supplying electrical oscillations having a supersonic frequency to said head, said generator being provided with a delayed switching system for activating and deactivating said generator from zero to a final amplitude value of oscillations and conversely within a period not less than one hundredth of a second, whereby switching clicks in said sound recording are avoided.

2,596,622
RECUPERATIVE HEAT EXCHANGER OF THE COUNTERFLOW TYPE FOR GASEOUS MEDIA
Torbjörn Vannérus, Motala Verkstad, Sweden
Application January 18, 1947, Serial No. 722,920
In Sweden September 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 25, 1964
9 Claims. (Cl. 257—241)



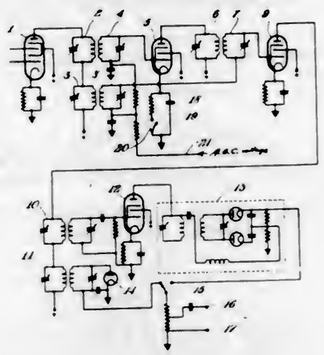
1. A recuperative heat exchanger for two gaseous media at different temperatures comprising a housing; a shaft rotatably mounted in said housing; a rotor hub secured to said shaft; a plurality of mechanically interconnected, axially spaced, substantially plane radially extending annular discs secured to rotate with said rotor hub, the spaces between said discs forming alternate gaseous media flow passages in said housing separated by intermediate flow passages; a first axial inlet in said housing for one gaseous medium; conduit means connecting said first axial inlet to the radially outer ends of alternate flow passages; first passage means at said rotor hub communicating with the radially inner ends of such alternate flow passages; a first outlet in said housing in communication with said first passage means; means sealing the intermediate flow passages from said conduit means and said first passage means; whereby such one gaseous medium will enter said first axial inlet, flow radially outward into said conduit means, then radially inward through such alternate flow passages to said first passage means, and be discharged from the latter through said first housing outlet; a second axial inlet in said housing for the other gaseous medium; second passage means at said rotor hub in communication with said second axial inlet and the radially inner ends of the intermediate flow channels; an outlet chamber in said housing in communication with the radially outer ends of the intermediate flow passages; means sealing the alternate flow passages from said chamber and said second passage means; and a second outlet in said housing in communication with said outlet chamber; whereby the other gaseous medium will flow between said discs in counter flow heat exchange relation with the first gaseous medium.

2,596,623
RADIO-FREQUENCY OSCILLATOR POWER SUPPLY SYSTEM
Jacob van Slooten, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 18, 1948, Serial No. 9,174
In the Netherlands March 8, 1947
8 Claims. (Cl. 250—36)



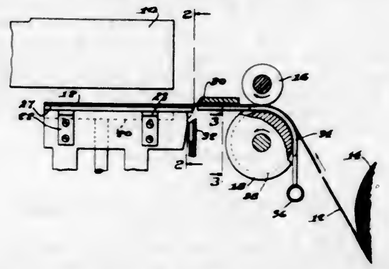
1. An oscillator comprising an electron discharge tube having a cathode, a grid and an anode and circuits therefor, a band-pass filter constituted by an input resonant circuit and an output resonant circuit, said resonant circuits being arranged in hypercritical coupling relation, said input circuit being coupled to the anode circuit of said tube, and a feedback network coupling said output resonant circuit to the grid circuit of said tube, said feedback network including phase displacement means having a value at which the output voltage of said feedback network as compared to the input voltage thereof exhibits an appreciable wattless component.

2,596,624
SUPERHETERODYNE RECEIVING CIRCUIT
Johan Hendrik van Wageningen, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 16, 1946, Serial No. 684,033
In the Netherlands April 21, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 21, 1963
3 Claims. (Cl. 250—20)



1. A superheterodyne receiver circuit arrangement, comprising input circuit means for a first signal voltage of a relatively high given central frequency and for a second signal voltage of a relatively low given central frequency, first and second amplifier discharge tubes each having an input electrode system and an output electrode system, first resonant circuit means tuned to the central frequency of said first signal voltage and coupled to said input means and to the input electrode system of said first tube, second resonant circuit means tuned to the central frequency of said first signal voltage and intercoupling the output electrode system of said first tube and the input electrode system of said second tube, third resonant circuit means tuned to the central frequency of said second signal voltage and interconnecting said input means and the input electrode system of said second discharge tube to provide solely a single stage amplifier for said second signal, means coupled to the output electrode system of said second discharge tube to demodulate said signal voltages, and means to selectively render said first tube inoperative when receiving said second signal voltage.

2,596,625
WEB FEEDING MECHANISM FOR PACKAGE FORMING MACHINES
John G. Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application October 1, 1948, Serial No. 52,257
5 Claims. (Cl. 93—12)

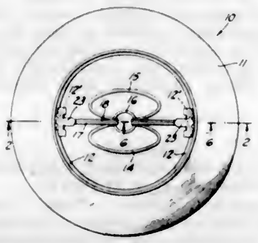


3. In apparatus of the character described, in combination, a forming block, feeding mechanism comprising a pair of intermittently operated feed rolls arranged to advance a predetermined length of a web of container forming material, folding means upon which the advanced portion of the web is supported to be subsequently folded about the block, and means for maintaining said advanced portion in a fully extended condition and in operative relation to said folding means during the advancing operation comprising a means for directing a stream of air between the folding means and the undersurface of said advanced portion substantially parallel to and in the direction of movement of the web, and a cutter blade arranged to sever the advanced portion from the web, said blade being arranged to interrupt the air streams during the severing operation and upstanding parallel ribs on said means defining channels for said streams of air extending in the direction of movement of said web.

2,596,626
LAMP SHADE AND MOUNTING THEREFOR
William E. Vogel, Los Angeles, Calif., assignor to Lighting Specialties, Inc., Los Angeles, Calif., a corporation of California
Application September 18, 1948, Serial No. 49,909
3 Claims. (Cl. 240—138)

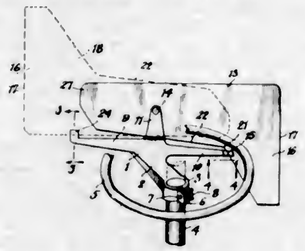
1. In a lamp shade adapted to be mounted directly upon an electric bulb, the combination of: a plastic lamp shade having a rib formed integral therewith to extend inwardly therefrom; a pair

of spring wire bulb engaging loops; a ring uniting said loops by the terminal sections of the latter extending through said ring and being bent to form pairs of shanks extending from said ring to diametric opposite portions of said rib, the shanks of each pair lying side by side; torque anchors embodying end portions of said shanks bent therefrom in opposite directions; saddle clips, the body of each of which overlies a pair of said



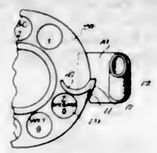
torque anchors and a portion of the adjacent pair of shanks; tangs bent from the body of each such clip to embrace the adjacent pair of shanks; and tangs bent from the body of each clip and passing around and under adjacent torque anchors and the adjacent portion of said rib whereby said tangs cooperate with said clip bodies in uniting said shade with the balance of said combination and preventing substantial rotation of said anchors about the axes of said shanks.

2,596,627
GLARE PREVENTION DEVICE FOR AUTOMOBILES
George I. Wahnish, Los Angeles, Calif.
Application April 16, 1949, Serial No. 87,871
3 Claims. (Cl. 296—97)



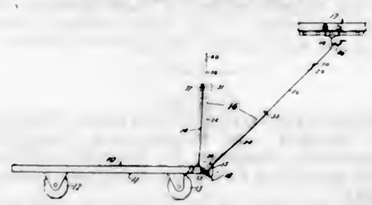
1. In a screen construction for protecting the eyes of the driver of a car, a bracket having means for securing the same to the steering column, a transparent colored panel pivotally supported on said bracket for rotation about a substantially horizontal axis, said bracket including means for supporting the said panel in a position to project above the upper edge of the steering wheel on the steering column, the pivot for said panel being to one side of the vertical center of the panel, said panel having a widened area at one end normally positioned beyond said supporting means, the supporting means including ledges to project under the lower edge of the panel to support the same, said ledges being spaced apart and so located that the end of the panel nearest to the pivot of the panel will clear either of said ledges when the panel is swung on its pivot to bring its widened end to the left of the steering wheel.

2,596,628
DIALING MEANS FOR DIAL TELEPHONES
Paul Waldinger, Flushing, N. Y.
Application September 2, 1950, Serial No. 182,938
3 Claims. (Cl. 179—90)



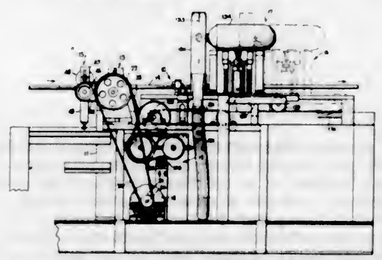
1. An improved dialing means for dial telephones having the conventional finger stop on said dial including, a dial engaging member, a substantially square base plate having an angularly disposed slot therein relative to the adjacent side of said base plate for engagement with a part of the aforesaid finger stop, and an angularly disposed tubular member integral with said base plate for supporting said dial engaging member.

2,596,629
TOWING MAST FOR TRUCKS
Alan Edwin Ward, Chicago, Ill.
Application December 27, 1949, Serial No. 135,049
6 Claims. (Cl. 280—47)



1. In a towing mast for a truck having a movable coupler member, a base pivotally connected to the truck to swing about a substantially horizontal axis, a trip connected to the base to swing therewith to actuate the movable coupler member, a tongue secured to the base, a handle telescoped with and rotatable with respect to the tongue, a hand grasp mounted on one side of the handle, and a latch mounted on another side of the handle.

2,596,630
SAWING MACHINE
Valone V. Weyant, Cleveland, Ohio, assignor to The Yoder Co., Cleveland, Ohio, a corporation of Ohio
Application November 13, 1946, Serial No. 709,578
12 Claims. (Cl. 29—69)



1. An automatic function device for use in performing repetitive operations on a continuous

article, which device comprises drive means, roller means for engaging with the article, a variable clutch directly connecting said drive means to said roller means and directly controlled by said roller means, said roller means rotating only with movement of the article, a cyclic measuring device, means connecting said measuring device to said adjustable clutch to be driven thereby by the rotation of said roller means, connecting and drive means actuated by said measuring device at predetermined adjustable intervals, carriage means driven by said connecting and drive means, and means carried by said carriage means for performing an operation on the article upon movement of said carriage means.

2,596,631
ACYLATED AMINO ACID SILVER SALTS
Francis M. Whitacre, Manhasset, and Dina Van Praag, New York, N. Y., assignors to Schieffelin & Co., New York, N. Y., a corporation of New York
No Drawing. Application June 14, 1948, Serial No. 32,993
5 Claims. (Cl. 260—430)

1. As a chemotherapeutic agent active against pathogenic micro-organisms, a silver salt of an acylated essential sulphur-containing alpha-amino monocarboxylic acid of the formula

$$R-\underset{\underset{HNR'}{|}}{C}-COOAg$$

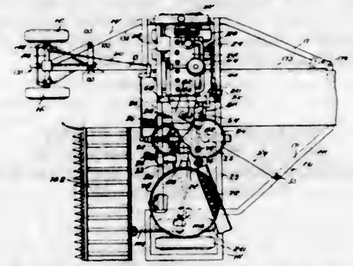
wherein R is the residue of the essential sulphur-containing amino acid and R' is an acyl group.

2,596,632
MIRROR SUPPORTING MEANS
Thomas C. Whitehead, Detroit, Mich., assignor to Whitehead Stamping Company, Detroit, Mich., a corporation of Michigan
Application February 5, 1946, Serial No. 645,556
1 Claim. (Cl. 248—279)



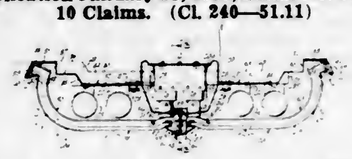
A mirror support comprising a tubular arm formed of semi-cylindrical sections of resilient material having apertured generally semi-spherical portions at the inner ends thereof, the adjacent edges of said sections being relieved from the outer ends for a minor portion of the length thereof to fulcrum points adjacent to but spaced from said outer ends, the entire remainder of the adjacent edges of each section being in the diametral plane of each section, a tubular extension telescopically disposed within said arm and having a radius substantially less than the internal radius of said sections, a collar surrounding the outer end of said arm and having an internal radius less than the external radius of said sections thereby to draw the outer ends of said sections toward each other and to rock said sections about the fulcrum points provided at the junction of the relieved portions with the said adjacent edges of said sections and to spread said semi-spherical portions apart, a mounting bracket having spaced apertured ears receiving said semi-spherical portions therebetween when the inner ends of said sections are brought into abutting relation, thus requiring bending of said sections throughout the major portion of the length thereof to bring the semi-spherical portions between said ears, and a fastening element extending through the apertures in said ears and said semi-spherical portions.

2,596,633
MOTOR DRIVE UNIT FOR COMBINES
Walter W. Wiersig, Alva, Okla.
Application November 27, 1945, Serial No. 631,046
1 Claim. (Cl. 180—27)



In combination, a frame including a rectangular portion, said rectangular portion embodying a pair of spaced parallel horizontally disposed rails, and spaced parallel horizontally disposed arms extending between said rails and secured thereto, said arms being provided with a plurality of spaced apertures therein, a substantially triangular portion including a pair of legs secured together at their apex, there being openings in said legs for registering with the apertures in said arms, securing elements extending through said registering apertures and openings for maintaining said portions detachably connected together, front steering wheels mounted on the apex of said triangular portion, drive wheels arranged adjacent each end of said rectangular portions between said pairs of arms, a plurality of vertically disposed spaced parallel uprights extending upwardly from said rectangular portion, a platform supported by said uprights for supporting a motor thereon, a body member including a pair of legs arranged angularly with respect to each other and secured together at their apex, a beam extending from said last named apex, a strip extending angularly from said beam and provided with an offset portion, the legs and offset portion of said strip being provided with a plurality of spaced openings for registering with certain of the apertures in the arms of the frame, and detachable securing elements extending through said last named registering apertures and openings.

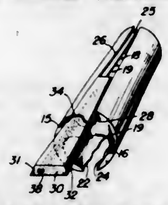
2,596,634
DIRECT LIGHTING FIXTURE
Vearl S. Wince, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application January 25, 1951, Serial No. 207,803
10 Claims. (Cl. 240—51.11)



1. A direct lighting, fluorescent lighting fixture comprising a longitudinally extending, inverted, relatively shallow, wiring channel, a

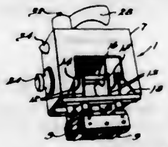
fluorescent lamp ballast secured to the lower side of top wall of the wiring channel and projecting below the channel, horizontal, laterally extending arms carried at the ends of the wiring channel, fluorescent lamp sockets secured to the arms on opposite sides of the ballast, a combined channel cover and reflector secured to the wiring channel and having a central channel shaped portion to receive the ballast and having upper side portions extending laterally beyond the sockets, and fluorescent lamps carried in the sockets closely underneath the side portions and on opposite sides of the central portion of the combined channel cover and reflector.

2,596,635
WEDGE-ACTUATED CLAMP
David F. Wolfe, New York, N. Y.
Application January 4, 1949, Serial No. 69,077
3 Claims. (Cl. 24—251)



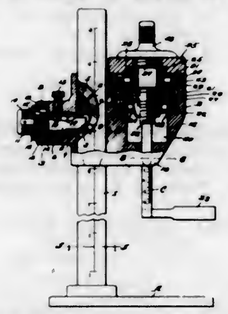
1. A clamp comprising a pair of opposed jaws of greater length than width, an integral hinge element extending outwardly from the inner face of each jaw parallel to and intermediate its longer sides, the opposed portions of each jaw on one side of said hinge elements having longitudinally extending converging wedge-receiving seats, said hinge elements being rotatably interconnected, a wedge slidable in a direction parallel to the axis of rotation of said hinge elements and coacting with said seats to move the portions of said jaws on the other side of said hinge elements toward one another, and means slidably attaching said wedge to one of said jaws.

2,596,636
DIELECTRIC HEATING APPARATUS
Harold E. Wright, Jr., Detroit, Mich., assignor to Weltronic Company, Detroit, Mich., a corporation of Michigan
Application March 10, 1949, Serial No. 80,623
9 Claims. (Cl. 219—47)



6. In an apparatus of the character described, a housing having a first side and an opening through an opposite side, a pair of spaced insulating members carried by said housing adjacent said opening, a pair of U-shaped metallic bar members carried by and extending transversely of said insulating members, means operable to supply high frequency energy to said bar members, a roller carried by each of said bar members and adapted to rollingly engage a surface outwardly of said opposite side, a pair of insulating members extending between said U-shaped members, a third roller of electrical insulating material carried by said pair of insulating members and having a surface lying in a plane defined by said first-named rollers, and a handle for said housing outwardly of said first side.

2,596,637
GAUGE
Victor J. Zalanskas, West Lynn, Mass.
Application January 15, 1947, Serial No. 722,273
2 Claims. (Cl. 33—170)



2. A height gauge of the character described, comprising a horizontal base, a vertical slide bar rising from the base, said bar having a plurality of slots elongated transversely and extending inwardly from one edge of the bar, the slots having inclined lower surfaces, a housing mounted on the slide bar for movement longitudinally of the slide bar, a hollow flange formed integral with the housing, said hollow flange being disposed adjacent to and opening into contact with said bar surface, a plunger movable in the hollow flange, said plunger having a beveled inner lower surface engageable with the inclined surface of the slot of the slide bar in which the plunger moves, adjusting the housing longitudinally of the slide bar, said plunger having a threaded end, a threaded knob on the threaded end of the plunger whereby said plunger is moved towards and away from the slide bar, set screws disposed within the openings of the slide bar, said set screws adapted to engage the inner end of the plunger extended into an opening of the slide bar, securing the plunger in its positions of adjustment, and limiting upward movement of said plunger, a set screw engaging the first mentioned set screw, securing the first mentioned set screw against accidental movement, and a measuring bar supported by said housing.

2,596,638
MAGNETIC VARIOMETER
Aukusti Jeremias Arvela, Leppavaara, Finland
Application May 17, 1948, Serial No. 27,569
In Finland June 11, 1947
3 Claims. (Cl. 175—183)

1. A magnetic variometer comprising a housing, a torsional wire horizontally secured in said housing, a permanent magnet attached to said torsional wire, an indicator suspended from said magnet and extending downwardly therefrom in said housing, a transferable weight attached to said indicator for regulating the gravity center of the magnetic system with respect to said torsional wire, said magnet having the gravity center thereof above the rotation axis of said wire, index means for coacting with said indicator, a solenoid in said housing above said magnet for twisting said magnet upon energization thereof into a horizontal plane, and auxiliary magnets arranged to provide an auxiliary magnetic field



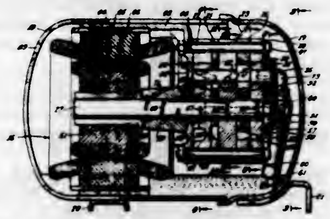
adapted to impart a turning moment to said magnet which is greater as the angle between the magnet and the horizontal plane is increased.

2,596,639
METHOD FOR TAMPING AN EXPLOSIVE CHARGE
Charles K. Bain, Bonne Terre, Mo., assignor to St. Joseph Lead Company, New York, N. Y., a corporation of New York
Application February 21, 1947, Serial No. 730,009
2 Claims. (Cl. 86—20)



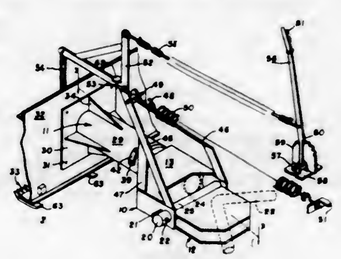
1. A method for tamping an explosive in a hole to be charged comprising the steps of placing a package of an explosive in said hole, engaging said explosive with a tamping stick and mechanically delivering to the stick a succession of light blows rapidly in the order of several per second.

2,596,640
REFRIGERATOR COMPRESSOR
Frank Berry, Corinth, Miss., assignor, by mesne assignments, to Oliver Iron and Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1946, Serial No. 692,003
1 Claim. (Cl. 230—150)



In a rotary fluid compressor, a casing having a plurality of annular compressor cylinders arranged side by side longitudinally along a common axis and rotary abutment chambers arranged longitudinally along a common axis and adjoining said cylinders, a piston in each cylinder fixed to a common shaft and a cooperating rotary abutment for each piston fixed to a common shaft, each abutment having a recess to clear its cooperating piston, an inlet through the casing to the first compression cylinder, an intermediate fluid passageway extending from one abutment recess through the abutment shaft to the casing and thence to the final compression cylinder, an outlet from the casing, and a fluid outlet passageway extending from the abutment recess of the final compression cylinder through the abutment shaft to said outlet, the opening and closing of said intermediate fluid passageway and fluid outlet passageway being controlled by the rotary abutment, and the intermediate fluid passageway, fluid outlet passageway, and abutment members being constructed and arranged so that when the compressor is stopped with the fluid outlet passageway open, subjecting the compressor to being driven in reverse as a motor by the high pressure fluid, the fluid outlet passageway will close and pressures on both sides of the piston of the final compression cylinder will be equalized before the intermediate fluid passageway opens, whereby the compressor is locked against further operation in reverse.

2,596,641
CUTTER BAR MOUNTING AND CONTROL FOR CROP CUTTING VEHICLES
Raymond E. Bert and Joseph L. Wetta, Maize, Kans.
Application November 17, 1948, Serial No. 60,457
7 Claims. (Cl. 56—25)



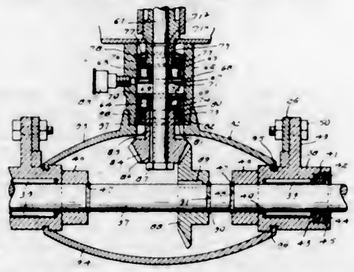
1. A cutter bar mounting for crop cutting vehicles comprising: an elongated coupling member having a laterally disposed tubular bearing sleeve at one end, its other end being adapted to be rigidly attached to the vehicle with the coupling member disposed fore and aft with relation thereto; an elongated cylindrical shaft having an integral bifurcated yoke at its aft end, the free ends of the two legs of the yoke having laterally aligned perforations therein; a hinge pin extending through the perforations in the yoke and through said bearing sleeve forming a lateral substantially horizontal pivot axis for said shaft; a cutter bar supporting member including a transverse plate and a fore and aft disposed sleeve journaled on the forward portion of said shaft for oscillation in a plane normal thereto; a circumferentially elongated aperture through the wall of said fore and aft sleeve exposing a portion of said shaft; and a stop member seated in said aperture and fixed to said shaft to limit the oscillation of the sleeve in both directions, and to maintain the fore and aft position of the sleeve with relation to the shaft.

2,596,642
HEAT EXCHANGER
Gustav Karl William Boestad, Lidingo, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application May 15, 1946, Serial No. 669,754
In Sweden May 28, 1945
6 Claims. (Cl. 257—245)



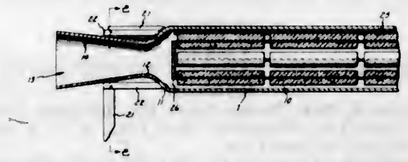
1. A heat exchange plate structure comprising a pack of plates with parallel spacing ridges providing a plurality of parallel straight channels of substantially constant cross sectional area for flow of gaseous heat exchanging fluid between adjacent plates, each of said channels having spaced side walls formed by confronting portions of adjacent plates and lateral walls formed by adjacent spacing ridges and the width of said side walls being several times that of said lateral walls, and a plurality of furrows in each of the side walls of each channel, said furrows being relatively narrow and shallow as compared with the width and depth of said channels and the furrows in confronting areas of the opposite side walls of each channel extending obliquely and similarly toward the same lateral wall of the channel to thereby induce a lateral component of flow toward the same lateral wall in the boundary layers of gaseous fluid flowing through the channel adjacent to said confronting areas of said opposite walls of the channel.

2,596,643
TRANSMISSION UNIT
Jesse B. Boyett, Sr., Nashville, Ga.
Application August 27, 1948, Serial No. 46,430
1 Claim. (Cl. 74—417)



In a machine of the character described, a casing with a horizontal shaft operatively connected with a vertical pump shaft therein, bearing bushings engaging about said horizontal shaft, and a pair of anti-friction roller bearings mounted in said bushings, said bushings formed at their inner ends with an annular flange against which the inner ends of said roller bearings engage and a counterbore at the outer ends of said bushings within which a sealing member is mounted, with a metal washer interposed between the sealing member and the outer end of said roller bearings, each of said bearing bushings having an upwardly projecting lug secured to fixed external fastening means, a pair of collars engaging about said horizontal shaft and bearing at their outer sides against the inner ends of the bearing bushings to hold said horizontal shaft against endwise movement relative to the bearing bushings, said casing formed with flanges at its outer ends which engage annular grooves formed in the bearing bushings and an upwardly projecting bushing formed on said casing within which the reduced lower end of the bushing, rotatively supporting the vertical pump shaft, engages.

2,596,644
AUTOMATICALLY DETACHABLE FLASHLESS NOZZLE FOR ROCKETS
Eliot B. Bradford, Silver Spring, Md., Alfred Africano, Caldwell, N. J., and Clarence N. Hickman, Jackson Heights, N. Y., assignors to the United States of America as represented by the Secretary of War
Application December 10, 1946, Serial No. 715,298
20 Claims. (Cl. 60—35.6)

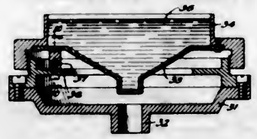


1. In a jet propelled device the combination including a tubular member defining a cylindrical combustion chamber containing a material combustible to generate a hot propellent fluid under pressure, said tubular member having an inwardly flared passage leading to a constricted exit orifice at the rear end thereof, a separately formed Venturi-like nozzle having an outwardly flared exit passage extending from the constricted portion thereof, and means for securing said nozzle to said tubular member at said exit orifice to expand said propellent fluid flowing through said orifice to a lower temperature and pressure, said nozzle being extended a distance sufficient to substantially reduce the flash occurring on secondary ignition of said fluid upon discharge from said nozzle, said securing means including a metal having a relatively low melting point operative in response to combustion of said material for releasing said nozzle from said tubular member.

16. In a rocket component, a motor casing having a rearwardly-directed discharge orifice, a Venturi nozzle, means detachably securing said nozzle to said casing in cooperative relation with said orifice, said means including a low melting point metal for rendering ineffective said securing means to thereby release said nozzle from said casing in response to a predetermined temperature rise in said casing.

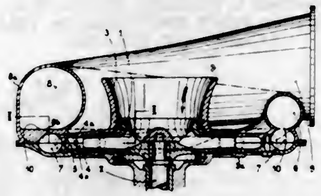
2,596,645
METHOD OF MAKING ACOUSTIC DIAPHRAGMS
Joseph B. Brennan, Cleveland, Ohio
Application January 10, 1947, Serial No. 721,315
6 Claims. (Cl. 92—54)

1. In a method of making acoustic diaphragms, the steps of depositing fibrous material upon a form to produce a diaphragm having a body portion and a peripheral supporting portion, and during said deposition reducing the quantity of fibrous material deposited on circumferentially spaced areas disposed near the periph-



eral edge of the diaphragm whereby such spaced areas will be weaker than the remainder of the peripheral edge portion of the diaphragm.

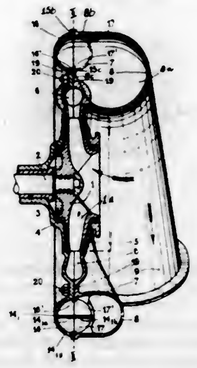
2,596,646
OUTLET GUIDING ARRANGEMENT
Alfred Buchi, Winterthur, Switzerland
Application October 17, 1951, Serial No. 251,741
In Switzerland January 19, 1946
11 Claims. (Cl. 103—111)



1. In a centrifugal blower or pump having a bladed rotor and a housing enclosing said rotor, a delivery guiding arrangement including a series of guide-duct diffusers extending through said housing and radiating from the rotor periphery, said diffusers being directed at least partially axially of the blower, said housing also having a portion forming a scroll space, said diffusers being disposed outside of said housing portion forming said scroll space and said scroll space being offset axially on the same side of the rotor toward which said diffusers are directed, said housing portion forming said scroll space including a wall defining the side of the scroll space adjacent said diffusers, said wall being provided with a series of openings corresponding in number with the number of said diffusers and registering with their discharge orifices, said diffusers extending, however, only to the edges of said wall defining said openings and said diffusers being disposed to approach said wall at such angle that the pressure fluid from the said diffusers is admitted into the scroll space in substantially circumferential direction.

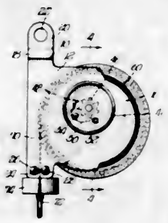
2,596,647
OUTLET GUIDING ARRANGEMENT
Alfred Buchi, Winterthur, Switzerland
Application October 17, 1951, Serial No. 251,742
In Switzerland March 6, 1946
13 Claims. (Cl. 103—103)

1. In a centrifugal pump or blower having a bladed rotor and a casing enclosing said rotor, an outlet guiding arrangement for delivering pressure fluid from said rotor including a plurality of guide duct diffusers receiving the pressure fluid delivered by the rotor blading, the axes of said diffusers lying substantially in a plane normal to the rotor axis, said casing having a portion defining a scroll space, said space being at least partially laterally offset from, and directed substantially parallel to said plane, said casing portion further partially defining the diffuser outlets, said outlets extending at least partially into said scroll space and being directed substantially parallel with the direction of flow in the scroll space, said casing portion further including



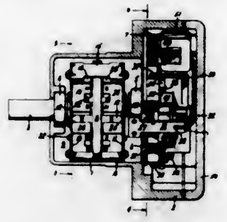
a deflecting wall for each diffuser, said wall beginning at that side, most remote from the central area of the scroll space, of the outlet of such diffuser, and said deflecting wall being concavely curved with respect to said plane and extending at least partially axially of the blower into the scroll space, whereby the pressure fluid is deflected into said partially offset scroll space.

2,596,648
BALANCE REEL
Kenly C. Bugg and Harry L. Hart, Fort Wayne, Ind.; said Hart assignor to said Bugg
Application December 5, 1945, Serial No. 632,933
16 Claims. (Cl. 242—107)



4. A balance reel comprising a housing provided with supporting means and spaced side plates, a shaft rotatably mounted on said plates, means for selectively holding said shaft in different positions, said means including a member carried by said shaft and a member coacting with said first named member of said means and disposed on one of said side plates, the position of said first named member of said means being adapted to be selectively varied with respect to said shaft, said first named member of said means being held in selected position between said shaft and knob, a balancing spring between said side plates having one end secured to said shaft, and a flexible supporting member having one end fixed with respect to the other end of said spring.

2,596,649
EDDY CURRENT DISK MECHANISM
William Lawrence Butler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 5, 1946, Serial No. 659,717
1 Claim. (Cl. 172—284)



An eddy current disc mechanism comprising a shaft mounted for continuous rotation, a flatly disposed eddy current disc secured to said shaft for rotation therewith, a movably mounted supporting member arranged for limited rotation about the rotational axis of said shaft, a plurality of bi-polar permanent magnets mounted on said supporting member in equally spaced relation with each other on each side of said disc, said magnets being constructed each with its poles spaced apart a distance substantially equal to the thickness of said disc, the centers of both poles of the magnets on one side of said eddy current disc coinciding approximately with a circle having its center on said axis and the centers of both poles of the magnets on the other side of said eddy current disc coinciding approximately with a circle of the same diameter as said first circle and also having its center on said axis, the magnets on each side of said disc having unlike poles adjacent each other and the distance between adjacent poles of separate magnets being substantially the same as the distance between the two poles of a single magnet, and the magnets adjacent opposite surfaces of said disc being arranged with unlike poles directly opposite each other on opposite sides of said disc in a direction parallel with said axis.

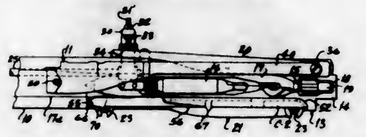
2,596,650
COPOLYMERS OF ACRYLONITRILE AND N-ALLYL AND N-2-METHALLYL ACYLAMIDES
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 28, 1949, Serial No. 135,533
8 Claims. (Cl. 260—85.5)

1. A copolymer of from 60 to 98% by weight of acrylonitrile and from 40 to 2% by weight of an acylamide compound having the general formula:

$$CH_2{=}C(R){-}CH_2{-}NH{-}CO{-}R_1$$

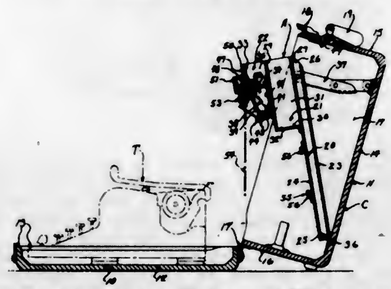
wherein R represents a member selected from the group consisting of an atom of hydrogen and a methyl group and R_1 represents a member selected from the group consisting of an atom of hydrogen and an alkyl group containing from 1 to 3 carbon atoms.

2,596,651
SHUTTLE BOX FOR LOOMS
Latt J. Carter, Kannapolis, N. C.
Application March 14, 1950, Serial No. 149,580
4 Claims. (Cl. 139—183)



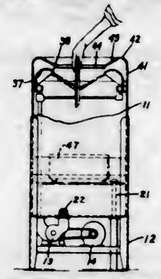
1. In a shuttle box having a box front and a rear binder and also having a back box plate for reception of a shuttle, the inner face of the box front which is nearest the path of the shuttle being recessed at its inner end for reception of a liner and the remainder of the inner face of the box front being chromium plated.

2,596,652
ATTACHMENT FOR PORTABLE TYPEWRITERS
Vladimir L. Chvilicek, Racine, Wis.
Application July 8, 1949, Serial No. 103,587
1 Claim. (Cl. 312—208)



In a carrying case for a portable typewriter, a cover section comprising a back wall, side walls and end walls, an attachment for carrying and dispensing typist supplies including a main elongated compartment for paper sheets, an intermediate compartment connected to the main compartment adjacent to the upper end thereof and protruding from the front face of the main compartment for envelopes and having a lesser height than the main compartment, an outer compartment carried by the intermediate compartment and of a less length than the intermediate compartment and carried by the front face thereof, all of said compartments having their upper ends terminating in the same plane, means hingedly connecting the main compartment at its lower end to the inner face of the back wall of the cover section, whereby said attachment as a unit can be swung into and out of the cover section, said attachment lying flat against the inner face of the back wall when the attachment is swung into the cover, means limiting the outward swinging movement of the attachment, the upper edges of the compartments being disposed in close proximity to one end wall of the cover when the attachment is swung into the cover and means releasably holding the attachment in the cover against swinging movement, a hinged compartment mounted upon said intermediate compartment having an upper open end movable beneath the outer compartment and in close proximity thereto in one position and forwardly of the outer compartment in another position, said releasable means for holding the attachment in the cover including a rotatable latch button carried by the outer compartment and movable in one position over the hinged compartment and a keeper bracket carried by the cover for engagement by said button when the button is in a predetermined position.

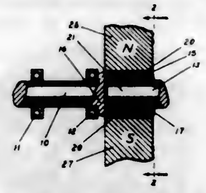
2,596,653
DISH FLUSHING AND WASHING DEVICE
James D. Clague, Livonia, and Mortimer R. Anstice, Sr., Rochester, N. Y., assignors, by mesne assignments, to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application January 20, 1945, Serial No. 573,747
1 Claim. (Cl. 134—199)



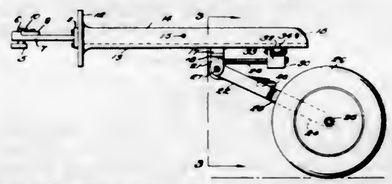
In a machine for prewashing dishes and the like, the machine comprising an open topped tank equipped with means for circulating liquid for dislodging waste material from dishes and for straining the waste material from the circulating liquid, in combination, an inwardly and downwardly directed rim that partially closes the top of the tank and that defines an opening into the tank, a pair of liquid directing elements disposed immediately subjacent the rim and on opposite sides of the opening defined by the rim, each of said elements having a curved canopy like top of inverted trough shaped cross-section, said canopy like top having side edge portions at the opposite extremities of the curve of the canopy like top, one of said side edge portions being in alignment with the outer side of a supply pipe and the other side edge portion being directed downwardly at an angle to the vertical and across the space beneath the opening in the rim, each of the elements having walls extending vertically downwardly at opposite ends of the curved canopy like top and diverging from the side edge portion of said top that is adjacent to the supply pipe for limiting the lateral spread of the stream of liquid issuing from the supply pipe and directed by said element, said directing elements being oriented so that the liquid streams intersect in the center of the space beneath the opening and below the level of the directing elements, whereby articles inserted through the opening and into the intersecting streams are subjected to vigorous flushing action without being urged laterally.

2,596,654
MAGNETIC CLUTCH
James Atkins Clark, Takoma Park, and Frank Harvey Ferguson, Forestville, Md., assignors to Ahrendt Instrument Company, Washington, D. C.
Application February 15, 1949, Serial No. 76,604
4 Claims. (Cl. 192—21.5)

1. In a device of the class described, a member, a second member associated in longitudinal axial alignment with the first member, one of said members constituting a driven element, a casing rigid with one of the members and embracing a portion of the other member, roller bearings in contact with each other formed of magnetic material and confined by the casing on the embraced portion of said other member, and means passing a magnetic flux through the bearings to cause said bearings to create a frictional drag between the members, the portions of said members embracing the roller bearings being made of magnetic materials and in contact with said bearings.



2,596,655
HOUSE TRAILER DOLLY
Edwin C. Converse, Rialto, Calif.
Application February 9, 1949, Serial No. 75,407
1 Claim. (Cl. 280—79)



In a house trailer dollie a platform having a flat underside; a yoke depending from the platform and connected thereto for rotation in a horizontal plane, said yoke having a pair of downwardly extended arms; a pair of inclined, rigidly connected fork arms having their upper ends embraced by the yoke arms and pivotally connected thereto to swing in a vertical plane; a ground wheel rotatably mounted on the lower ends of the fork arms; a bearing plate rigid with and extended between the medial portions of the fork arms; a U-shaped leaf spring supported at one end on the plate, the intermediate portion of the spring being disposed between the upper ends of the fork arms, the respective fork arms being spaced closely from opposite sides of the spring and forming a keeper confining the spring against substantial lateral deviation; a block underlying the platform and in which the other end of the spring is mounted; and a roller carried by the block and rolling upon the underside of the platform through a circular path having as its center the axis of rotation of the yoke.

2,596,656
METHOD OF PRECIPITATING HIGH ACETYL CELLULOSE ACETATE
Carlton L. Crane, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 6, 1951, Serial No. 214,170
7 Claims. (Cl. 260—230)

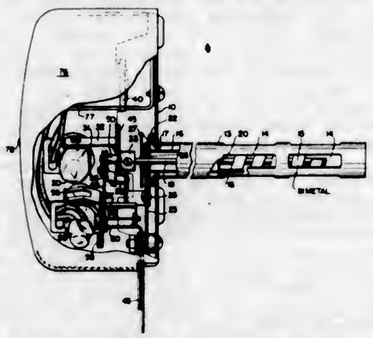
5. In a process for the manufacture of cellulose acetate having an acetyl content of at least 42% in which cellulose is esterified with acetic

anhydride and a sulfuric acid catalyst and the temperature of the completed esterification mixture is 80–120° F., the steps of adding to the mass a mixture heated to 180°–190° F. of aqueous acetic acid containing 5–21% of water in an amount to bring the mass to, but not substantially beyond, the glacial point and a basic magnesium compound in an amount sufficient to completely neutralize the sulfuric acid in the mass, accom-



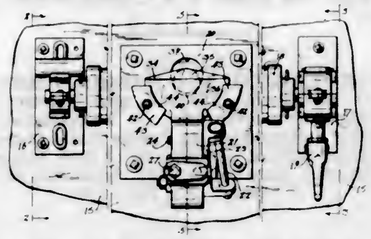
panied by elevation of the temperature of the mass to 140–190° F., and then precipitating the cellulose acetate from the mass by substantially uniformly adding water having a temperature of 180–212° F. to the agitated mass over a period of 30–120 minutes in sufficient amount to lower its acetic acid concentration to 33–50% while maintaining the elevated temperature, whereby the cellulose acetate is precipitated in a fine particle form.

2,596,657
CONTROL SWITCH
Stephen Crum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 10, 1949, Serial No. 132,255
10 Claims. (Cl. 200—139)



1. In a control device, a frame, first and second members coaxially pivoted in said frame, a condition responsive element operatively connected to each member for relatively positioning said members about said axis in accordance with condition value, cooperating indicia of condition value on said first member and said frame, a first control element actuated by said second member at the condition value indicated by said indicia, a lever pivotally connected to said first and second members on opposite sides of said axis, and a second control element actuated by an intermediate portion of said lever at a condition value such that the pivotal connections of said link to said members are diametrically opposed with respect to said axis.

2,596,658
AWNING SUPPORTING PLATE AND ADJUSTABLE WALL BRACKET
Errol P. D'Anzo, New York, N. Y.
Application December 16, 1950, Serial No. 201,213
7 Claims. (Cl. 248—273)



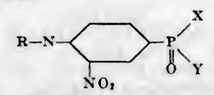
1. A device for pivotally mounting the inner end of an awning arm to be located adjacent to one end of an awning roller, comprising a main member, means for securing said main member fixedly in place, a hanger bracket for said arm end, and means including undercut bevels one on said main member and the other on the bracket for permitting downward hooking of the upper portion of the bracket onto said main member thereby to interengage the bracket and said main member, means partially carried by said main member and partially carried by the bracket for swingably adjusting the bracket while maintaining said interengagement, and means for coacting with said bevels for clamping the bracket as adjusted relative to said main member.

2,596,659
METHOD OF MAKING CELLULAR GLASS HAVING INTERCOMMUNICATING CELLS
Dominic D'Eustachio, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application May 13, 1949, Serial No. 93,178
7 Claims. (Cl. 49—77)

1. A method of treating an annealed frangible cellular material in which the cells are closed in order to open communication between cells, which comprises subjecting the surfaces of the material to fluid pressure to progressively break passages therethrough from cell to cell throughout the material without otherwise breaking down the structure.

2,596,660
NITRODIPHENYLAMINE PHOSPHORUS DYE COMPOUNDS
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 3, 1950, Serial No. 166,065
7 Claims. (Cl. 260—461)

1. The diphenylamine compounds having the general formula:



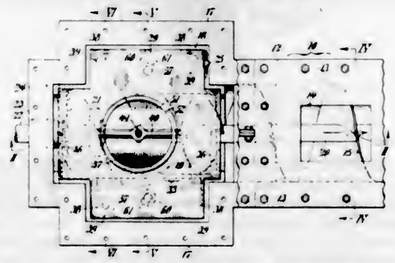
wherein R represents a monocyclic aryl nucleus of the benzene series and X and Y each represents a member selected from the group consisting of a hydroxyl group, an -o-alkali forming metal group, an —ONH₄ group, an alkoxy group

having 1 to 4, inclusive, carbon atoms, an amino group and an



group, wherein R_1 and R_2 each represents a member selected from the group consisting of an alkyl group having 1 to 4, inclusive, carbon atoms, a hydroxylalkyl group having 1 to 4, inclusive, carbon atoms and an alkoxyalkyl group having 3 to 4, inclusive, carbon atoms.

2,596,661
STRAINING MEANS
Clarence F. Dinley, Detroit, Mich., assignor to Detrex Corporation, Detroit, Mich., a corporation of Michigan
Application August 27, 1946, Serial No. 693,204
9 Claims. (Cl. 210—149)

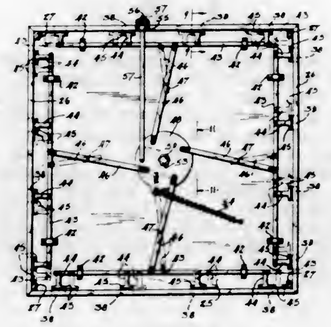


1. The combination with a round bottomed horizontal trough, a rotary screw conveyer coaxial with the trough bottom for advancing divided solid matter therealong suspended in treating liquid, and a discharge outlet for maintaining the level of the liquid somewhat above the top of the conveyer thread; of a straining element in the form of a box supported within the trough over the conveyer and the liquid outlet, said box having side and end walls, and a diaphragm of finely meshed screen fabric at the bottom arched over a portion of the conveyer with intervention of a substantial working clearance to prevent contact with the conveyer, and means for vibrating the straining element.

2,596,662
METHOD OF PREPARING AN EDIBLE PRODUCT
Louis F. Ducker, Orlando, Fla.; Joseph F. Burger, executor of said Louis F. Ducker, deceased, assignor of one-half to Petronella H. Dux, Jacksonville, Fla.
No Drawing. Application April 17, 1950, Serial No. 156,501
4 Claims. (Cl. 99—103)

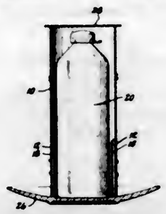
1. The method of preparing a substantially non-bitter and edible product from citrus fruit rinds which includes reducing the rinds to small particle size, subjecting the small rind particles submergingly sustained in a batch quantity within a heated water bath for a period of from six to twenty minutes, the bath induced to a temperature between 220° F. to 250° F., by a steam spray injected into the bath beneath the rind batch to agitate the rind particles and forcibly obliterate the bitter flavor substances from the rinds and flowingly removed from the bath by a current supply of water admitted into the bath and drained therefrom from above the rind batch, thence upon removal of the rinds from the bath, dehydrating and powdering the same and thereupon mixing the dry powdered bitterless rinds with a determined quantity of sugar syrup to densify the compound for molding into various shapes or for other service consistency.

2,596,663
COLLAPSIBLE INTERLOCKING EXTENSIBLE TABLE
Alice Duffy, Bronx, N. Y.
Application November 10, 1949, Serial No. 126,473
2 Claims. (Cl. 311—4)



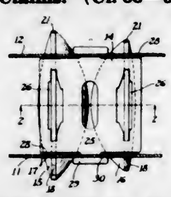
1. The combination of a center table having a top piece, a plurality of edging strips, one extending downward from each of the edges of said top piece and each including a plurality of longitudinally spaced slots, and a table leg adjacent each of the corners of said top piece, witn one or more extension tables each having a pair of legs at one strips, one extending downward from each of the end thereof, a top piece, a plurality of edging edges of said top piece, the edging strip adjacent said pair of legs including a plurality of longitudinally spaced slots and the edging strip opposite the slotted one having secured thereto a plurality of hook members one to engage each of the slots associated with one edge of the center table, or the slots in the edging strip of another extension table; and a latching arrangement associated with said center table to secure the extension tables thereto, said arrangement comprising a latching shutter adjacent each of the slots in the center table edging strips, a plurality of bars slidably mounted on the underside of said center table top piece, one to connect all of the latching shutters adjacent each edging strip, a rocking plate, a pivoted lever connecting each of said bars with said rocking plate, a spring to rock said plate and engage said latching shutters with said hook members, and a control link connected to said rocking plate and extending beyond the edge of the table for manual operation to free said shutters from said hook members, and a latching arrangement associated with each of said extension tables, the latter said arrangement comprising a latching shutter adjacent each slot in the extension table edging strip, a bar slidably mounted on the underside of the extension table top piece, and connecting all of the last said shutters, said bar extending beyond the edge of the table, a spring to engage said latching shutters with said hook members, and a handle on the projecting end of said bar for manual operation of the latter to free said latching shutters from said hook members.

2,596,664
BOTTLE WARMER
Dorothy A. Durham and Hobart N. Durham, New York, N. Y.
Application February 18, 1948, Serial No. 9,124
3 Claims. (Cl. 126—263)



1. A bottle warmer comprising a flexible, impervious metal sheet of low heat capacity, means on the lower part of one face of said sheet to receive and hold a plurality of thin, flexible, exothermic heating units on the lower part of the sheet said units being adapted to generate steam upon addition of water thereto and means for holding the flexible sheet wrapped as a tube adapted to receive a bottle to be heated with the heating units in contact with the bottle, whereby the bottle warmer when closed will permit a transfer of heat by the condensation of the steam on the bottle.

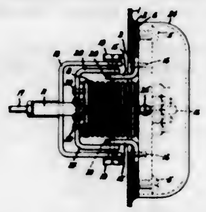
2,596,665
CONDENSER LENS MOUNT
John H. Eagle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 29, 1950, Serial No. 152,637
10 Claims. (Cl. 88—57)



1. A lens mount comprising in combination, a pair of substantially parallel rigid plates between which a lens is positioned, a pair of bowed flexible members engaging diametrically opposite peripheral portions of said lens to support said lens, and bayonet connections between said plates and members to connect the latter releasably to said plates to position and support said lens on said plates.

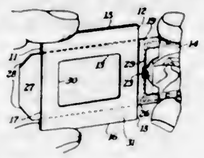
2,596,666
FLOAT DEVICE
Robert F. Edgar, Pattersonville, and Leonard Levine, Albany, N. Y., assignors to General Electric Company, a corporation of New York
Application May 5, 1949, Serial No. 91,526
8 Claims. (Cl. 200—84)

3. In a gravity float device, the combination with a tank having an opening in one wall, of a mounting base positioned on the outside of said tank covering said opening, said base having an aperture therethrough, a pair of supports positioned on horizontally opposite sides of said aperture extending inwardly from said base through the opening in said tank, a floatable member having a bifurcated portion at one end positioned within said tank, the extremities of said bifurcated portion being pivotally connected to said supports whereby said floatable member is pivoted in a vertical plane on said supports, a metal bellows member positioned on said base around said aperture between said supports and extending substantially horizontally inward into said tank, a circular disc closing the inner end of said bellows member whereby the escape of fluid from the tank is prevented, a yoke member positioned on said disc and pivotally connecting said disc to said supports, a pair of inwardly extending substantially horizontal prongs positioned on the innermost surface of said disc in operative relation above and below said floatable member whereby when said floatable member is pivoted a predetermined amount responsively to the level



of a fluid in the tank said member engages one of said prongs and pivotally deflects the inner end of said bellows member away from its normal substantially horizontal position, an operating rod rigidly positioned on the outer surface of said disc substantially centrally thereof and extending outwardly through said bellows member and said aperture, and a pair of electric switches positioned on the outside of said base on vertically opposite sides of said aperture in operative relation with said rod whereby when the inner end of said bellows member is deflected away from its normal substantially horizontal position said rod is displaced and operates one switch for a predetermined low fluid level in the tank and the other for a predetermined high fluid level in the tank.

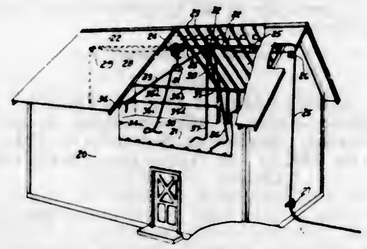
2,596,667
TRANSPARENCY INSERTING AND POSITIONING DEVICE
William P. Ewald, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 3, 1948, Serial No. 63,265
11 Claims. (Cl. 40—158)



11. In a transparency mount, the combination with a pair of overlying frame members formed with registering apertures for framing a transparency when positioned between said members of a folded strip of sheet material slidably positioned between said members and having ends projecting from opposite sides of said members, a tongue formed from one of the folds of said strip adjacent the free end thereof, said other fold adjacent its free end being formed with a slot

to receive said tongue, said tongue forming an abutting stop against which an edge of said transparency may engage to position said edge relative to the free ends of said strip, terminal flaps formed on said folds between said stop and said free ends for engaging opposite faces of said transparency adjacent said edge thereof to connect said transparency to said strip, a tab formed on the opposite end of said strip for sliding the latter relative to said mount to slide said transparency between said members and in registry with said apertures, an edge on one of said apertures, and an index mark on said strip adjacent said tongue adapted to be brought into registry with said aperture edge when said strip is slid relative to said mount to indicate the registration of said transparency with said apertures.

2,596,668
HAY HANDLING APPARATUS
Albert W. Fahrenkrog, Bunker Hill, Ill.
Application August 25, 1947, Serial No. 770,415
16 Claims. (Cl. 212—76)

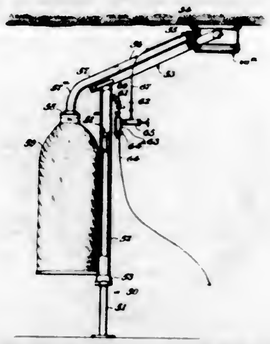


1. Hay handling apparatus comprising a main elevated trackway and a branch trackway leading therefrom, a hay carrier mounted to travel on said main trackway, a load-carrying pulley block supported by said carrier for raising and lowering movement, releasable means for securing said pulley block to said carrier in raised position, glide means carried by said pulley block for engaging said branch trackway and travelling therealong when the carrier is moved along said main trackway to bring the glide means into registration with the branch trackway and the securing means is released, and means to effect such release.

2,596,669
PROCESS FOR MAKING FORTIFIED CELLULAR GLASS
Walter D. Ford, Port Allegany, Pa., assignor to Pittsburgh Corning Corp., Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 12, 1947, Serial No. 734,242
3 Claims. (Cl. 106—40)

1. A process for manufacturing fortified cellular glass resistant to permeation by water at elevated temperature, comprising the steps of providing an intimate mixture of finely pulverized glass, silica and carbon black, in proportions by weight of .1% to .2% carbon—10% to 40% silica—and the balance glass, heating the mixture in closed molds to a temperature sufficient to sinter the glass to enclose the silica and carbon black, raising the temperature sufficiently to effect a reaction between the glass and carbon to cellulate the sintered mass, and thereafter annealing the cellulated product.

2,596,670
DUST COLLECTOR
George Clinton Francis and Roscoe Browning, Hampden, W. Va.
Application March 6, 1950, Serial No. 147,826
2 Claims. (Cl. 255—50)

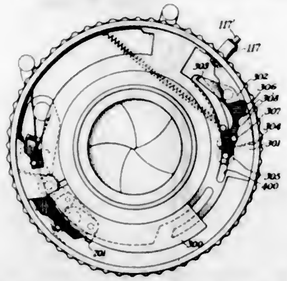


1. An apparatus for collecting dust generated when drilling a hole in the roof of a mining tunnel including a cylindrical dust-receiving cup mounted adjacent the roof surface in a position with relation to said hole so as to receive said dust, the bottom of said cup being covered by a flexible member having an aperture for receiving a drill, a yoke supporting said cup adjacent the roof surface comprising a pair of spaced arms each having an end pivotally connected to the cup, each arm having a second inner end mounted on a separate adjustable telescoping standard means for supporting the inner end of said arms, the inner ends of said arms being rigidly secured to said standard, said yoke arms outwardly diverging from said standard and extending upwardly at an obtuse angle with respect to said standard, and suction means mounted on said standard for removing dust from the cup and depositing the same in a receptacle, said last named means including a hollow member providing communication with the interior of said cup and said receptacle, said hollow member comprising a hose extending substantially parallel to said yoke and supported thereon, a length of tubing mounted in said hollow member in such a manner that when compressed air is discharged from said tubing the direction of discharge will be away from said cup.

2,596,671
CAMERA SHUTTER, INCLUDING ADJUSTABLE FLASH SYNCHRONIZING MEANS
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 7, 1949, Serial No. 114,375
8 Claims. (Cl. 95—11.5)

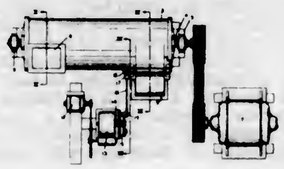
8. In a photographic shutter of the setting type the combination with shutter blades; a blade-operating mechanism for controlling the opening and closing of said blades when moving from a cocked condition; a release mechanism for releasing said blade-operating mechanism from its cocked condition; a speed control member adapted to be selectively positioned to vary the speed of operation of a part of said blade-operating mechanism; a flash synchronizer mechanism comprising a pair of normally spaced switch contacts adapted to be connected into an electric circuit controlling the ignition of a flash lamp having a characteristic "lag"; means for connecting one

of said switch contacts to said release mechanism to be moved into engagement with the second contact upon movement of said release mechanism to a shutter-releasing position and in timed relation with the release of said blade-operating mechanism thereby; of means for automatically altering the relative time of closing of said switch and the release of said blade-operating means by



said release mechanism to accommodate for the "lag" of the flash lamp and the selected exposure speed, and including an operative connection between said speed control member and the synchronizer mechanism whereby the time of closing of said switch relative to the release of said blade-operating mechanism from a cocked condition is automatically adjusted by movement of said speed control member.

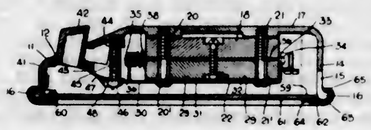
2,596,672
MIXER
George E. Gard and Washington H. Phillips, Lancaster, Pa., assignors to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application November 17, 1950, Serial No. 196,137
7 Claims. (Cl. 259—2)



2. In a continuous mixer, the combination of a mixer body, an agitator disposed within the body, said body having an inlet orifice for the delivery of material to the body for mixing by said agitator and a discharge orifice for the delivery of mixed material from the body, a controllable impedance element in the discharge orifice for limiting the flow of material through the mixer, and means responsive to increase or decrease in energy absorption by said material in the mixer body to control said impedance element.

2,596,673
PRESSURE RHEOSTAT
Richard Garey, Brooklyn, N. Y.
Application July 23, 1949, Serial No. 106,399
9 Claims. (Cl. 201—51)

1. A rheostat device of the character described comprising a casing open at the bottom, the casing being defined by top and side walls, the top wall having an inclined end portion, an insulated block unit secured directly to the inner surface of the top wall, said unit comprising a pair of insulator plates secured together centrally thereof, two carbon pile resistors arranged and housed in the plates of said unit, an elongated bar mounted on and slidably engaging the lower surface of the block of the unit, said resistors having terminal ends protruding through one end of the unit, said bar having a cross-head in alinement with said terminal ends, a spring con-

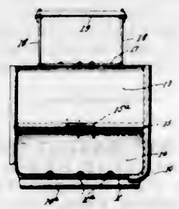


tact supported on said cross-head for yieldably engaging said terminal ends of the resistors, a manually actuated treadle pivotally mounted on the inner surface of the inclined wall of said casing and having a footpiece protruding through and projecting above the upper surface of said wall, and said treadle and the cross-head of the bar having cooperating members, whereby in manual operation of the treadle the bar is moved longitudinally of said unit.

2,596,674
AMINE SALICYLATE OINTMENT
Olivier Gaudin, Neuilly-sur-Seine, France
No Drawing. Application November 30, 1949, Serial No. 130,361. In France December 6, 1948
2 Claims. (Cl. 167—63)

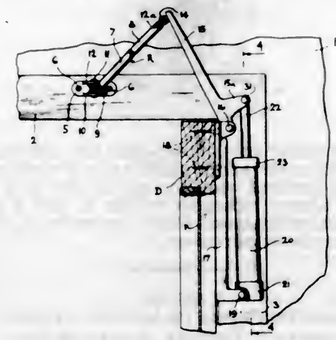
1. An analgesic balm for external application comprising a fatty base, water and a compound selected from the group consisting of dimethylamine salicylate, monoethylamine salicylate and diethylamine salicylate.

2,596,675
SOAP TRAY
Louis Joseph Giossi, Brooklyn, N. Y.
Application May 10, 1948, Serial No. 26,047
1 Claim. (Cl. 45—28)



A soap dish comprising an elongated receptacle of appreciably greater length than depth to receive therein a bar of soap in upstanding edgewise relation, said receptacle having upright front and end walls and a rear wall joined together, and a pivoted door closing the bottom of the receptacle, said rear wall extending between the end walls and being curved convexly upwardly and rearwardly from the bottom edge thereof and forming an inner convex abutment to cause a bar of soap dropped into the receptacle to be turned over edgewise onto the bottom door, in close proximity beside the front wall, and spaced upright projecting ribs in the front wall extending inwardly of the receptacle to hold the bar of soap spaced from the front wall.

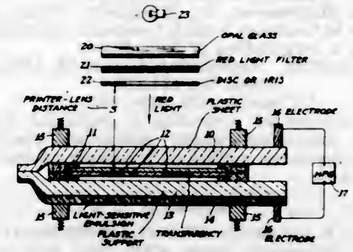
2,596,676
DOOR CHECK AND CLOSER
Carl Goderez, Brooklyn, N. Y., assignor to Cambridge Manufacturing Corporation, New York, N. Y., a corporation of New York
Application April 19, 1949, Serial No. 88,421
8 Claims. (Cl. 16—52)



1. In a door-check and closer, the sub-combination of a bracket, a cylinder pivotally connected to said bracket, said bracket being adapted and intended to be fixed to a longitudinal face of a door, said cylinder being transversely tiltable relative to said door when said bracket is fixed to said door, a piston slidably located in said cylinder, a piston rod fixed to said piston and having a rod-part which extends outwardly of one respective end of said cylinder, said cylinder having a first chamber between said piston and said respective end of said cylinder and having a second chamber between said piston and the other end of said cylinder, relief passage-means connecting said chambers and adapted to permit the flow of a checking liquid from said first chamber to said second chamber when said piston is moved towards said other end of said cylinder, additional passage-means between said chambers, a movable one-way valve located to control the flow of checking liquid through said additional passage-means, said valve being biased to closing position, said valve being opened by pressure in said first chamber over said second chamber when said piston is moved away from said other end, spring-means connected operatively to said piston and urging it towards said other end, a lever pivotally connected between its ends to said bracket, said lever being also pivotally connected to said rod-part, the free end of said lever being connected by a universal joint to the outer end of a rod, and universal joint means adapted to connect the inner end of said rod to a frame member of said door.

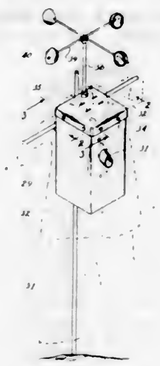
2,596,677
METHOD FOR MAKING MASKS FOR PHOTOGRAPHIC TRANSPARENCIES
John W. Gosling and Charles S. Combs, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 6, 1947, Serial No. 790,182
13 Claims. (Cl. 95—2)

1. The method of making a masked photographic transparency which comprises marginally sealing a photographic transparency between a transparent sheet and a photographic element carrying a light-sensitive emulsion layer on a transparent support, with said sensitive layer outermost, without separating said elements ex-



posing said emulsion layer through said transparency and developing a masking image in said exposed layer.

2,596,678
WILD LIFE CHASER
William W. Gross, Jr., Tulare, S. Dak.
Application November 21, 1950, Serial No. 196,904
1 Claim. (Cl. 177—311)



A wild life chaser comprising an electric assembly having a bottom plate, a support, a battery disposed within the support, a horn mounted on the support, a bracket, a pivot arm mounted on the bracket and having a cam follower, a mercury switch mounted on the pivot arm, a manually operable switch mounted on the support, wiring means extending between the electrical elements and operable upon the closing of the switches to sound the horn alarm, a mechanical assembly comprising a top cover plate, a shaft support extending upwardly from the top cover plate, a shaft rotatable in the shaft support, wind driving means connected to the upper end of the shaft whereby to effect the rotation of the shaft, mechanical timing gearing means connected to the wind driven shaft and supported upon the cover, a cam operated by said gearing and engageable with the cam follower of the pivot arm intermittently to open and close said mercury switch to sound said horn at irregular intervals in accordance with wind velocity, a covering disposable between the bottom plate of the electric assembly and the cover plate of the mechanical assembly and a megaphone tube extending through the covering adjacent to the horn, and said manually operable switch being on a common bracket with the pivot arm and accessible through the megaphone tube in the side of the casing.

2,596,679

PROCESS FOR MAKING TETRAPOLYPHOSPHORIC PHOSPHONATES

Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 24, 1950, Serial No. 181,319
3 Claims. (Cl. 260—461)

1. A process of preparing a pesticidal phosphorus compound which comprises reacting under anhydrous conditions a compound having the formula

$$KP(OR)_2$$

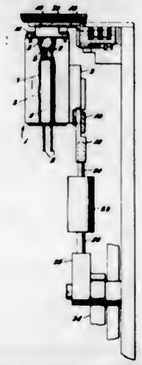
in which R represents alkyl of 1–4 carbon atoms and K represents lower alkyl and aryl with P_2O_5 in the molar ratio of 1–6 parts of the phosphonate to one part of P_2O_5.

2,596,680

THERMOSEALING ATTACHMENT

John Halahan, Jackson Heights, Theodore F. Aronson, Valley Stream, and Floyd A. Lyon, Brookville, N. Y., assignors to Berlin & Jones Co., Inc., New York, N. Y., a corporation of New York

Application August 18, 1950, Serial No. 180,146
4 Claims. (Cl. 219—19)



1. A thermo-sealing unit of the type described adapted to stick together the ends of a band of thermoplastically treated tape comprising: a supporting block, a heater cartridge in said block, means for heating said cartridge, a heating platen on said block, a ball positioned in a recess in the top surface of said block for transferring heat from the cartridge to said heating platen, and means for contacting the ends of said tape with said heating platen to seal them to one another.

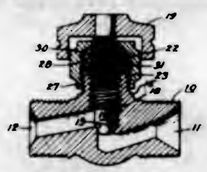
2,596,681

VALVE PACKING ASSEMBLY

George Leonard Hammon, Berkeley, Calif., assignor to National Welding Equipment Co., San Francisco, Calif., a corporation of California

Application January 24, 1948, Serial No. 4,101
1 Claim. (Cl. 251—50)

In a closure valve combination for gases, having a body member, a passage therethrough, a valve seat in said passage, an interiorly- and exteriorly-threaded neck on said body member adjacent said seat, and a valve stem threaded into said neck so that it can close against and be moved away from said seat, the additional elements of a hollow packing nut, having adjacent one end an interiorly threaded rim substantially shorter than the height of said neck above said body member, the threads matching the exterior threads of said neck, a counterbored chamber adjacent to and of wider bore than said threaded



rim, a shoulder portion adjacent the opposite end of said chamber and tapered away therefrom toward an opening wide enough to give said valve stem a narrow clearance within it, and a yieldable packing material filling the interior of said nut around said valve stem.

2,596,682

GOLF PUTTING PRACTICE DEVICE

George A. Hartung, Brookfield, Ill.

Application April 20, 1950, Serial No. 157,090
2 Claims. (Cl. 273—36)



1. In a golf putting practice device, a mound-like base having smooth inwardly and upwardly inclined approach surfaces terminating in an overhanging circular lip defining a hole simulating a conventional golf cup hole, said hole being shallow in relation to the diameter of a golf ball, a portion of said overhanging lip being semi-flexible but of sufficient rigidity to support a golf ball when the latter is rolled thereover, a supporting member within said base and connected to the latter in spaced relation below said overhanging lip, a plate hinged on said supporting member in spaced relation below said overhanging lip, and rockable on an axis substantially below and adjacent said flexible lip portion, said plate being of sufficient size to support a ball deposited in said hole and normally disposed below the rim of the cup and tiltable upwardly on its axis into an elevated position at an angle to the lip of the cup to facilitate removal of the ball from the latter, and an actuating member for said plate extending outwardly beneath the flexible lip portion of said base in position to be depressed for tilting said plate into such elevated position when such overhanging flexible lip portion is positively depressed.

2,596,683

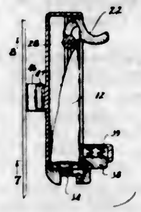
TOOTH PASTE DISPENSER, INCLUDING A COMPRESSING ROLLER AND A PIVOTED VALVE ELEMENT

Melvin P. Hawkins, Wilson, N. C.

Application December 6, 1950, Serial No. 199,479
2 Claims. (Cl. 222—101)

1. In a tooth paste dispenser of a type having a casing having a vertically extending slot and a tube compressing arrangement vertically adjustable in the slot, a removable head releasably connected to the casing and having a threaded opening for receiving the outlet end of a tooth paste tube, a valve element pivotally connected to said head and adapted to normally close the outlet

end of the tube when the head is mounted in place upon the casing and with the tube extending upwardly thereinto, said head having an operating member for the valve element movable with respect to the head, a projection on the casing for housing the operating member, biasing means acting between the projection and the operating



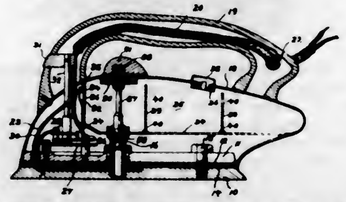
member and urging the valve element normally to the closed position, said projection and the operating member of the valve element being under the tube compressing arrangement so that a single hand may grip the tube compressing arrangement and the valve operating element simultaneously.

2,596,684

STEAM ELECTRIC IRON

Richard L. Hedenkamp, Kirkwood, Mo.

Application December 3, 1945, Serial No. 632,498
11 Claims. (Cl. 38—77)



1. In a sadiron, a pressing plate, said pressing plate having openings therein for outlet of fluid, a heating element in heat-transferring relation with said pressing plate, a fluid reservoir spaced from said pressing plate, a valve seat at the bottom of said fluid reservoir, a passage from said valve seat to the openings in said pressing plate, and a valve stem that is adjustably supported by the top of said fluid reservoir and is in register with said valve seat, said valve stem being supported by a portion of said reservoir and being movable relative to said portion of said reservoir to move toward and away from said valve seat, said fluid reservoir being deformable by excessive pressure to move said portion thereof and said valve stem away from said valve seat to vent said excessive pressure through the openings in said pressing plate.

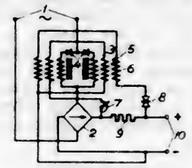
2,596,685

REGULATOR WITH SATURABLE CORE

Sven Eric Hedström, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application September 17, 1947, Serial No. 774,536
In Sweden September 21, 1946
4 Claims. (Cl. 323—66)

1. Electric regulator for the regulation of an electric or other quantity comprising a direct current saturable reactor having rectifying valve elements in series with reactor winding elements for self-magnetization, at least one direct current saturating winding of said reactor traversed by a current depending on the quantity to be regulated, and means for forcing an additional



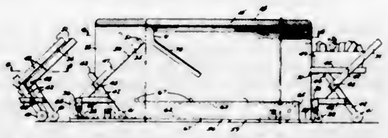
direct current component proportional to the output current of said reactor through said saturating winding.

2,596,686

CHECKING STATION FOR SELF-SERVICE STORES

George R. Hess, Washington, D. C.

Application April 24, 1946, Serial No. 664,677
16 Claims. (Cl. 186—1)



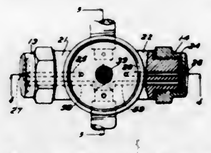
1. For a store wherein desired articles of merchandise are selected by a customer from display stands and loaded by him into a basket removably supported upon a shelf of a carriage having wheels by which the carriage is trundled by the customer past the stands and ultimately to a checking clerk for evaluation of the selected merchandise, a checking station at which the clerk is positioned, said station comprising a counter provided with an opening at the position occupied by the clerk, and means for causing a carriage to be propelled beneath said counter to bring the loaded basket into registry with the counter opening for removal of the merchandise as well as the basket from the carriage shelf by the clerk through such opening.

2,596,687

HUMIDIFIER HEAD

Hugh Francis Hill, Fall River, Mass.

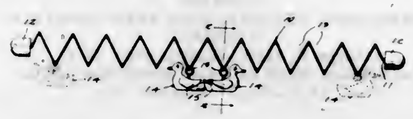
Application October 26, 1948, Serial No. 56,573
2 Claims. (Cl. 299—140)



1. A humidifier head comprising a casing provided with a central pre-mixing chamber, a water passage leading into said chamber, a clean-out chamber at the supply end of the water passage, an air inlet communicating with the pre-mixing chamber, a removable cap for closing the clean-out chamber, a diaphragm slidable in the pre-mixing chamber and provided with means for closing the end of the water passage in said chamber, a spindle projecting downwardly from the diaphragm and through the

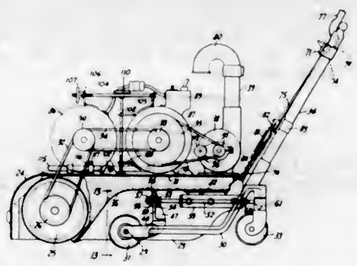
water passage, a plunger having a screw-threaded connection with the upper end of said spindle, a spring surrounding the plunger and acting to slide the diaphragm to close the end of the water passage, a nozzle on the casing, a duct leading from the pre-mixing chamber through the nozzle, an auxiliary mixing chamber at the end of the nozzle, a nipple on the nozzle having a constricted orifice, and a duct leading directly from the air inlet to the auxiliary mixing chamber at the end of the nozzle.

2,596,688
SPIRAL GAME
Ralph C. Hinsen, Englewood, Colo.
Application January 18, 1951, Serial No. 206,688
1 Claim. (Cl. 273—112)



A game device comprising a wire bent into the form of a helix of substantially uniform diameter, a knob on each end of said wire, the convolutions of said wire being spaced apart a substantial distance, a pair of game pieces, and an eye carried by each game piece through which said wire loosely engages, said convolutions being spaced apart a distance sufficient to permit said game pieces to freely depend from one convolution without contacting an adjacent convolution in any angular position of said wire.

2,596,689
FLOOR SANDING MACHINE
William E. Holt, Oakland, Calif.
Application May 27, 1947, Serial No. 750,845
4 Claims. (Cl. 51—176)



1. A floor surfacing machine comprising a supporting carriage, a housing tiltably mounted on said carriage about a transverse axis, a sanding drum rotatably mounted in the forward end of said housing, means for controlling the tilting of said housing, an exhaust fan on said housing having a vacuum connection to said sanding drum, and drive means for said sanding drum and fan including a pair of electric motors mounted in tandem on said housing with their drive shafts arranged transversely of said housing and with their centers of gravity arranged at opposite sides of the vertical plane containing the tilting axis of said housing and the vector resultant of their combined tilting effects relative to said tilting axis being located forwardly of said vertical plane when the housing is in an untilted position, and endless belts forming drive connections between said motors and between said motors and said sanding drum and fan.

2,596,690
PREPARATION OF BORON COMPOUNDS
Dallas T. Hurd, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 22, 1945, Serial No. 623,859
3 Claims. (Cl. 23—204)

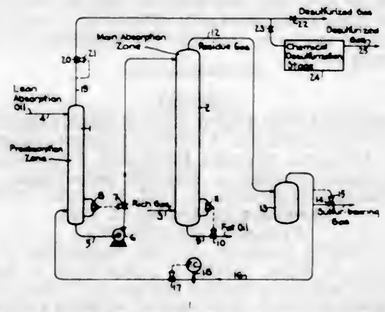
1. The method of preparing boron hydrides which comprises effecting reaction at a temperature within the range of about 150° to about 400° C. between a boron halide, hydrogen and an alkaline-earth metal and separating the boron hydrides that are formed from the other products of the reaction.

2,596,691
SAFETY DEVICE FOR LIQUID SUPPLY SYSTEMS
Frank W. Jackson and Harry M. Nacey, Chicago, Ill.
Application September 3, 1946, Serial No. 694,642
7 Claims. (Cl. 137—78)



1. In a fluid supply system, the combination of a supply piping, a valve and a flow operated device in series with said piping, means for initially opening said valve, means operable by said flow operated device for maintaining said valve open during an inflow of fluid in said piping, and closed when such flow ceases, and time delay means actuated by said initial valve opening means for rendering the latter means inoperative after a predetermined period of time subsequent to the opening of said valve.

2,596,692
METHOD OF ABSORBING GASES, INCLUDING HYDROGEN SULFIDE
John Thomas Jordan, Houston, Tex., assignor to Shell Development Company, Emeryville, Calif., a corporation of Delaware
Application October 29, 1946, Serial No. 706,344
7 Claims. (Cl. 183—115)



1. A process for separating a gas containing a mixture of hydrocarbons and non-hydrocarbon impurities, comprising the steps of passing said gas in the vapor phase and under pressure into contact with an absorption oil containing the impurities in a main absorption zone to absorb a fraction of said hydrocarbons and produce a fat absorption oil, separating the resulting fat absorption oil from the unabsorbed vapor phase, passing a small portion only of said separated vapor phase under pressure into contact with a lean absorption oil in a pre-absorption one to absorb impurities therein, separating the purified unabsorbed vapor phase from the resulting solution of impurities in absorption oil, and utilizing the said solution as the absorption oil in the main absorption zone.

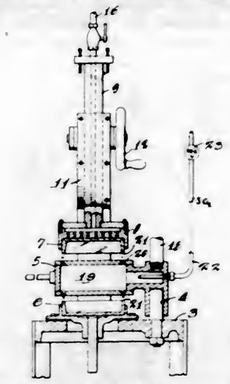
2,596,693
DISHWASHING MACHINE
Johan Fredrik Robert Karlstrom, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application October 4, 1950, Serial No. 188,317
11 Claims. (Cl. 134—112)



1. In dishwashing apparatus, a group of spaced apart spraying devices, means for mounting said spraying devices for rotatable movement about different axes, each of said spraying devices being operable as a driving means and active to spray liquid when liquid is supplied thereto, connections including control means for supplying liquid to said spraying devices, means for mechanically coupling said rotatable spraying devices whereby, when one part thereof in the group becomes active and operable as a driving means, said one part will impart movement to another part in the group which is inactive and becomes a driven means, mechanism operatively connected with said control means to cause the latter to supply liquid intermittently to each spraying device, said control means including said mechanism being constructed and arranged to render each spraying device active to spray liquid and becomes operable as a driving means for one interval of time and to render each spraying device inactive to spray liquid and become a driven means for another interval of time, each movable spraying device in the group, when inactive and becoming a driven means, being effective to develop a braking action on the part of the group which is operable as a driving means.

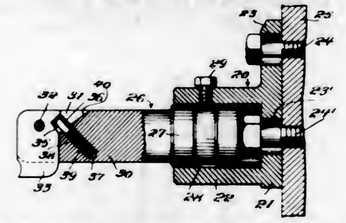
2,596,694
GLASS WELDING METHOD
Robert R. Kegg, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application May 24, 1950, Serial No. 163,872
14 Claims. (Cl. 49—82)

1. The method of welding together glass parts which comprises heating predetermined surface portions of said parts to a welding temperature by the application of localized heat, applying sulphur dioxide gas to said surface portions during



the heating, and bringing said surface portions together while at a welding temperature.

2,596,695
UNIVERSAL KEYWAY AND SLOTTER ATTACHMENT
Spencer R. Keller, Handley, W. Va., assignor of one-half to Marathon Coal Bit Company, Incorporated, Montgomery, W. Va., a corporation of West Virginia
Application June 25, 1947, Serial No. 756,868
1 Claim. (Cl. 90—52)

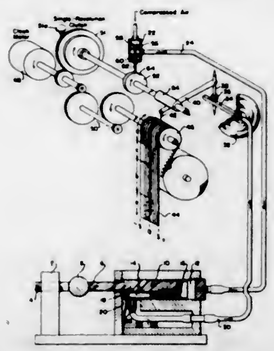


In a device of the character described, a holder including a plate provided with an elongated slot, a securing element extending through said slot and adapted to secure the plate to a supporting structure, an open tubular sleeve formed integrally with said plate, there being an opening in said plate communicating with the opening in the sleeve, a bolt extending through said opening and adapted to extend into the supporting structure, a tool including a cylindrical head having a transverse annular groove arranged exteriorly and centrally therein, a set screw carried by said sleeve and engageable in said groove whereby said head is rotatably adjustable in said sleeve, cutter supporting means on said tool, a cutter carried by said means, and cutter-retaining means carried by said supporting means to retain said cutter in cutting position.

2,596,696
PNEUMATIC INSPECTION GAUGE
Max Knobel, Arlington, Mass., assignor to K T Laboratories, Inc., Boston, Mass., a corporation of Massachusetts
Application June 20, 1946, Serial No. 678,024
8 Claims. (Cl. 33—147)

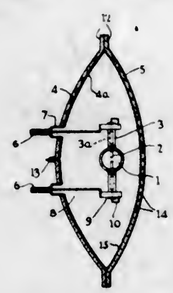
3. A gage comprising a piston having an anvil to engage the work, the piston having at one

end a measuring orifice, a plate against which fluid is directed from the orifice at a rate depending on the position of the orifice relative to the plate, means for supplying fluid under



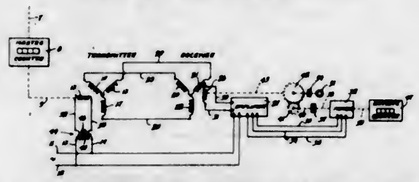
pressure to move the piston into engagement with the work, and simultaneously for supplying fluid to the orifice, and measuring means controlled by the pressure in back of the orifice.

2,596,697
ELECTRICAL DISCHARGE LAMP
Hermann Eduard Krefft, Buenos Aires, Argentina
Application December 4, 1948, Serial No. 63,570
In Switzerland December 8, 1947
9 Claims. (Cl. 313—26)



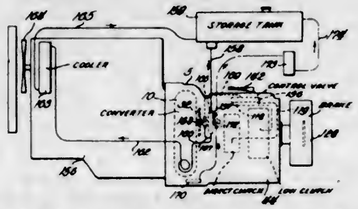
1. A gaseous discharge lamp with auxiliary envelope, comprising in combination a super high pressure discharge lamp having a substantially spherical quartz glass discharge vessel containing a plurality of closely spaced electrodes for operating under a pressure of more than 20 atmospheres, said discharge vessel being supported within an auxiliary envelope formed of a paraboloid reflector section and a light transmissive section, said sections being formed of molded glass and being firmly connected to each other at the rims thereof, said reflector section having at least one aperture formed therethrough, a substantially tubular and cylindrical metallic member seated in and fused to the walls of said aperture, a supporting structure for said lamp, said supporting structure being secured to said reflector section by means of said tubular metallic member, said lamp supporting structure comprising a pair of electrically conductive rods electrically connected across said lamp.

2,596,698
SYNCHRONIZING ARRANGEMENT
Marvin R. Laing and Watt Myers, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 10, 1948, Serial No. 32,208
4 Claims. (Cl. 318—24)



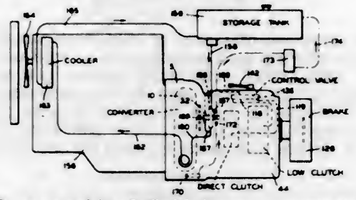
1. In combination: telemetric signal apparatus comprising a transmitter having a movable element, a receiver having a movable element, and motor means; load means; means connecting said motor means to said load means; means connecting said telemetric apparatus to said motor means so that said motor means is effective to drive said load means whenever said telemetric apparatus is unbalanced by movement of the movable element of said transmitter; yieldable friction clutching means of the type which slips when the movement of the driven member is retarded by more than a predetermined force; means connecting said motor means to said movable element of said receiver through said clutching means so that normally said motor means is effective to position said movable element to rebalance said apparatus; and a member designed to be manually actuated and connected to said movable element of said receiver so that upon said member being moved and held, said telemetric apparatus is upbalanced to cause said motor means to drive said load means and said clutching means is slipped so that said motor means is prevented from operating said receiver through said clutch to rebalance said apparatus.

2,596,699
TRANSMISSION
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 15, 1944, Serial No. 526,829
6 Claims. (Cl. 74—364)



1. In a transmission, a change speed gear unit comprising a driving shaft, an output shaft, gears rotatably mounted upon said output shaft with one of said gears being in constant driving engagement with said driving shaft, piston and cylinder means within each of said gears, said output shaft having fluid passageways extending axially therein for delivering fluid under pressure to said piston and cylinder means for selectively coupling said gears to said output shaft, a countershaft having gears in constant meshing engagement with said output shaft gears, one of said countershaft gears being freely rotatable on its shaft, reverse gearing in said unit, and an axially shiftable member on said countershaft operable in one position to connect said reverse gearing to said countershaft and in a shifted position to clutch said freely rotatable gear on said countershaft to the latter.

2,596,700
TRANSMISSION
Robert Lapsley, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Original application March 15, 1944, Serial No. 526,829. Divided and this application March 31, 1951, Serial No. 218,603
9 Claims. (Cl. 74—731)



1. In a combined fluid torque converter and transmission unit having a plurality of change speed gear trains, means for selectively clutching said gear trains into the drive train of said unit, including fluid pressure-responsive clutch means, control valve means therefor, an engine for driving the impeller of said converter, a pump driven by said impeller including a first stage for delivering fluid under pressure to said converter, a second stage for receiving a portion of the fluid under pressure from said first stage and delivering said fluid under a higher pressure to said control valve means, and a third stage for returning leakage fluid to a storage reservoir, and pump means driven by said drive train for selectively actuating said control valve means in accordance with engine speed.

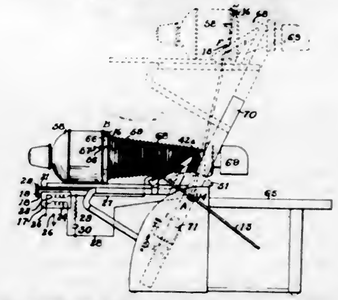
2,596,701
APPARATUS FOR THE UPKEEP OF RAILWAY TRACKS
Maurice Henri Lemaire, Paris, France
Application December 27, 1948, Serial No. 67,356
In France August 2, 1948
4 Claims. (Cl. 104—13)

1. Apparatus for the upkeep of railroad tracks comprising in combination with a tubular handle, a container mounted at one end thereof adapted to receive a measured charge of gravel, said container including a curved bottom and a front wall having a lower edge terminating in spaced relation with respect to the bottom so as to define a discharge opening and said bottom including an extension projecting beyond the plane containing the front wall, a fork member movably mounted with respect to the bottom of said container, said fork member having resilient blades adapted to project outwardly of the container, an operating rod connected to said fork member and slidably disposed within said tubular handle, a first hand grip fixed to the free end of said tubular handle and disposed in a plane perpendicular to the axis thereof, said tubular handle having a longitudinal slot therein extending downwardly from said first hand grip, a second hand grip secured to the free end of said operating rod, crossing said slot and disposed in a plane forming an obtuse angle with the plane containing said first hand grip with the open side of said angle facing rearwardly of the apparatus whereby reciprocation



of said second hand grip reciprocates said fork member and the blades thereof are alternately projected from and withdrawn towards the container to level the gravel discharged from the container.

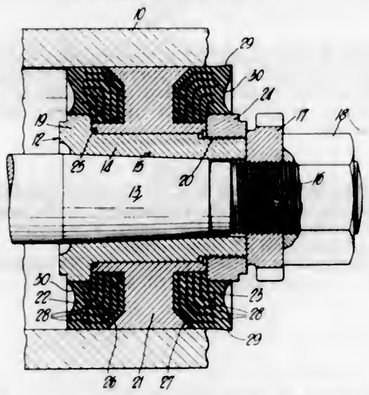
2,596,702
AUTOMATIC FOCUSING ARRANGEMENT
Kenneth G. Macleish, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 1, 1951, Serial No. 229,434
20 Claims. (Cl. 88—24)



1. In a photographic enlarger, the combination with a projector lens and a reflector for reflecting light rays through a bent optical path to provide an optical axis having angularly arranged branches, object and image receiving members positioned on different branches and located at conjugate points of said lens when said enlarger is in focus, said lens and one of said members being movable along separate paths and relative to the other member to vary the magnification of the image, of an electrical contact fixed with respect to the image receiving member, a second contact fixed with respect to the object member, a third contact fixed relative to said lens and positioned intermediate said other contacts, said third contact being spaced a distance of one focal length from said lens path measured parallel to the nearer branch of said axis, said contacts being arranged in alignment when said enlarger is in focus and said members are at said points, an electrical motor, means for connecting said motor

to said movable member to move the latter along one of said branches and relative to said lens, means for connecting said contacts into the circuit of said motor, a straight bar, and means to pivot said bar on one of said contacts, said bar pivoting on said one contact and movable into engagement with the other two contacts when the contacts are aligned and said enlarger is in focus, but when the contacts are out of alignment the bar will engage only one of the other contacts to adjust the circuit of said motor to cause said motor to move said movable member relative to said lens to a conjugate point thereof to bring the enlarger into focus.

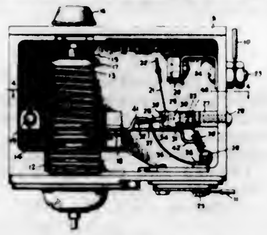
2,596,703
SLUSH PUMP PISTON
August R. Maier, Dallas, Tex., assignor to United States Steel Company, a corporation of New Jersey
Application July 27, 1948, Serial No. 40,813
2 Claims. (Cl. 309—4)



1. A pump piston comprising a sleeve-like metal body adapted to be fitted over a piston rod and having an integral collar at one end and a screw-threaded portion at the other end, a metal spacer removably fitted over said sleeve and having integral tubular extensions from each end at its inner circumference, one of said extensions abutting said collar and the other extension terminating over said screw-threaded portion, said spacer having a pair of lips at its outer circumference overhanging said extensions, a pair of reinforced packing rings carried by said spacer, each of which is positioned over a different one of said extensions and confined around one end by one of said lips, and a nut threadedly engaged with said screw-threaded portion and abutting said other extension and thus compressing said packing rings, the metal-to-metal contacts between said spacer and said collar and said nut furnishing rigidity throughout the length of the piston, said spacer and said packing rings being removable and replaceable as a unit.

2,596,704
ALARM SWITCH
Harry S. Malutich, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 26, 1948, Serial No. 62,175
6 Claims. (Cl. 200—140)

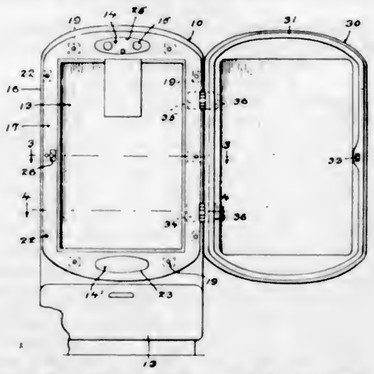
1. An alarm comprising a bellows, a pivoted arm actuated by said bellows, and a switch arm adapted to open and close an alarm circuit, said first-mentioned arm engaging said switch arm at a predetermined extreme position in one direction of travel of said first-mentioned arm for moving said switch arm to one position, said first-mentioned arm engaging said switch arm at a predetermined extreme position in the opposite direction of travel of said first-mentioned arm for moving said switch arm to said one position, said switch arm being biased to a second position at all times, said first-mentioned arm being disengaged from said switch arm during travel intermediate said extreme positions whereby said switch arm occupies said second position.



2,596,705
MAGNETIC ALLOY
Donald L. Martin, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 27, 1950, Serial No. 187,157
6 Claims. (Cl. 75—134)

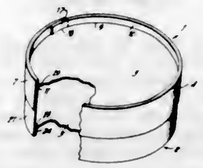
1. A magnetic alloy comprising 5 to 7 percent nickel, 4 to 6 percent vanadium, 43 to 47 percent cobalt, balance substantially all iron, said alloy having a coercive force between 50 and 100 oersteds and a B_r of at least 12,000 gauss.

2,596,706
DOOR MOUNTING
Truman J. McClure, Olney Springs, Colo.
Application June 23, 1949, Serial No. 100,837
1 Claim. (Cl. 312—329)



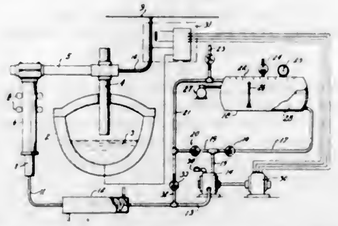
In a means for mounting a door to swing optionally about either vertical edge of a door opening in a cabinet; a frame arranged in surrounding relation with respect to said door opening; a plurality of pairs of spaced blocks secured to the frame in positions symmetrical with respect to its horizontal and vertical center lines; securing elements projecting through said frame, blocks and into said cabinet; said door being hingedly mounted on one edge of the frame; the symmetrical positions of the blocks allowing said one edge to be positioned alternately at either vertical edge of the door opening.

2,596,707
BOX
Henry L. Metzger, Castleton-on-Hudson, N. Y.
Application April 23, 1948, Serial No. 22,849
6 Claims. (Cl. 229—4.5)



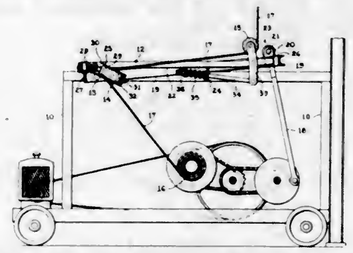
2. A cylindrical box formed of flexible material and comprising a container having an upstanding side wall, and a cover having a depending side wall adapted to fit over the side wall of said container; the side walls of said container and said cover, respectively, each being formed of a single, elongated strip of said material flexed into cylindrical form with ends thereof overlapped and provided adjacent one end with a marginal notch and adjacent the other end with a tab overfolded the notched end of said strip and engaged within said notch to hold the ends of the strip together; the strip forming the side wall of said cover having infolded portions at the top thereof, and the strip forming the side wall of said container havinfolded portions at the bottom thereof; a disk of said material supported on the infolded portions of the side wall of said container to form the bottom of said container and holding said overfolded tab on said side wall interlocked with said notch therein; and a disk of said material forming the top of said cover held against the infolded portions of the side wall of said cover by frictional engagement with said side wall and cooperating with the overfolded tab on said side wall to hold said tab in interlocked engagement with the notch in said side wall.

2,596,708
ELECTRIC ARC FURNACE
William E. Moore, Pittsburgh, Pa., assignor to Delaware Engineering Corporation, Pittsburgh, Pa., a corporation of Delaware
Application May 17, 1947, Serial No. 748,727
4 Claims. (Cl. 314—61)



1. In apparatus for elevating and lowering an electrode and supporting structure therefor in an electric arc furnace, an hydraulic motor comprising a stationary piston having its axis vertical and a longitudinally and vertically extending bore therein, a cylinder mounted on said piston and having a connection with the electrode supporting structure for imparting raising and lowering movements to the electrode, a pipe through which hydraulic liquid may be supplied to and exhausted from said cylinder, means mounting said pipe in said cylinder for movement therewith and with its lower end telescoping in said bore and its upper end terminating adjacent the vertically upper end of said cylinder, and means connected with said bore for controlling the flow of liquid to and from said cylinder through said pipe, the termination of the upper end of said pipe adjacent the upper end of said cylinder being effective to release entrapped air and gas from said cylinder prior to the exhaust of any liquid therefrom to thereby eliminate bouncing movement of the electrode due to such entrapped air and gas.

2,596,709
SPUDDING BEAM
Dewey R. Moore, Dallas, Tex., assignor to United States Steel Company, a corporation of New Jersey
Application November 2, 1948, Serial No. 57,908
2 Claims. (Cl. 255—11)



1. A spudding beam comprising a yoke, bearing means adjacent an end of said yoke adapted to pivot the yoke to a support, means on the opposite end of said yoke adapted to be connected to a pitman for raising and lowering the beam, a unitary floating member pivoted to said yoke adjacent its pitman end and on an axis fixed with respect to the yoke and normal to the plane thereof, an arcuate trackway on the pivot end of said yoke centered about the pivot of said floating member, a roller on the end of said floating member riding on said trackway, a spudding sheave rotatably supported on said floating member adjacent its pivot to the yoke, a fitting on the roller end of said floating member extending downwardly and inwardly toward the pivot of the floating member to the yoke, a spindle pivoted to said fitting for movement in the plane of said fitting, a housing pivoted at one end to said spindle and having on its other end a slotted and pivoted connection with said fitting, and a heel sheave rotatably mounted in said housing.

2,596,710
REMOVABLE PANEL FRAME FOR TELEVISION RECEIVING SETS
John A. Moricco, Brooklyn, and Gregory J. Moricco, New York, N. Y.
Application August 14, 1950, Serial No. 179,284
4 Claims. (Cl. 312—7)

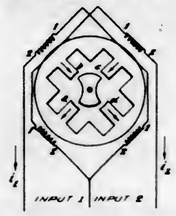
3. A cabinet for a television receiver including a front panel having therein a large rounded corner opening, a frame mounted in said opening,

an opening in said frame, a window pane mounted in the latter said opening, a bead concealing the edges of said frame and the first said opening, a



tongue projecting from said bead between the edges, and right angularly bent portions formed on the inner edges of said tongue and projected along the inner face of said frame.

2,596,711
ELECTROMAGNETIC APPARATUS
Robert K. Mueller, Newton, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Original application March 7, 1946, Serial No. 652,523. Divided and this application August 5, 1949, Serial No. 108,751
2 Claims. (Cl. 172—36)



1. A dynamo transformer comprising a stator having four symmetrically disposed poles, a rotor of magnetic material pivoted within the stator and having two end faces spanning substantially the angle between centers of adjacent poles, the rotor having a neutral axis which lies substantially halfway between the poles and being capable of only limited movement with respect to said neutral axis, and two sets of stator windings, one set of windings being associated with two opposite poles and being connected to produce a magnetomotive force inward in one pole and outward in the opposite pole, the other set of windings being associated with the other two poles and being connected to produce a magnetomotive force inward in one pole and outward in the opposite pole.

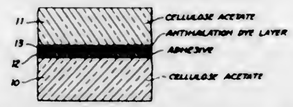
2,596,712
ELECTROMAGNETIC APPARATUS
Robert K. Mueller, Newton, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Original application March 7, 1946, Serial No. 652,523. Divided and this application August 5, 1949, Serial No. 108,752
2 Claims. (Cl. 172—36)

1. A dynamo transformer comprising a stator having four symmetrically disposed poles, a rotatable element of magnetic material pivoted within the stator and having faces spanning substantially the distance from center to center of adjacent poles and having a neutral axis disposed approximately half-way between the poles, the movable element being capable of limited movement from said neutral position and shaped to form air gaps between the movable element and the stator poles, whereby said movement from neutral position increases the



areas of the air gaps of two opposed poles and decreases the areas of the other two air gaps, and a set of windings associated with all four poles and connected to produce a magnetomotive force pattern in which the forces are directed inwardly in one pair of opposing poles and outwardly in the other pair of opposing poles.

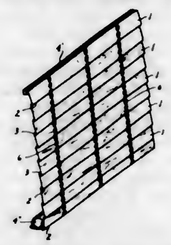
2,596,713
ANTIHALATION LAYER FOR CELLULOSE ESTER LITHOGRAPHIC PRINTING PLATES
Gale F. Nadeau and Clemens B. Starck, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1949, Serial No. 75,444
4 Claims. (Cl. 95—8)



1. A light-sensitive photographic element designed for use in preparing a lithographic printing plate, comprising two sheets of substantially fully esterified cellulose organic acid ester each from about .003 to about .005 in. thick and laminated together, and antihalation dye layer contiguous to the lamination interface, and on one of the outer surfaces of one of said sheets a stratum of hydrolyzed cellulose ester uniformly sensitized to light with a compound selected from the class consisting of oxidants for the hydrolyzed cellulose ester in the presence of light and light-reducible ferric salts incapable of direct oxidation of the hydrolyzed cellulose ester to the alkali soluble state in the presence of light.

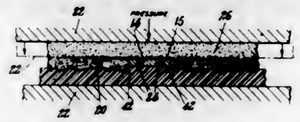
2,596,714
BLIND
José Puig Nonell, Habana, Cuba
Application July 14, 1949, Serial No. 104,663
In Cuba April 30, 1949
1 Claim. (Cl. 160—123)

A blind comprising a plurality of superimposed strips, each of said strips being provided with a plurality of transverse gaps extending across the full width thereof, each of said gaps being bridged by a plurality of lugs alternately projecting from opposite sides of the respective strip, the gaps of all of said strips being aligned forming a plurality of channels, and flexible tie members positioned, respectively, in said channels, said tie members preventing relative disalignment of said strips, adjacent ones of said lugs, provided on adjacent strips, overlapping and forming a chamber between them, said tie members being provided with beads surrounding said tie members



and positioned each in a respective one of said chambers.

2,596,715
PROCESS OF MAKING MORTISED PRINTING PLATES
Henry Oettinger, Jr., Forest Hills, N. Y., assignor to Electrographic Corporation, New York, N. Y., a corporation of Delaware
Application February 19, 1947, Serial No. 729,685
3 Claims. (Cl. 101—401.2)



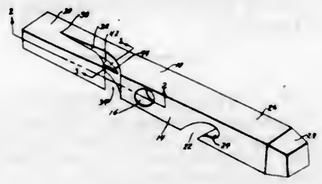
1. The process of forming mortised duplicate plastic printing plates which comprises locating a temporary insert block in the mortise opening of an original plate, forming a mold from said original plate by pressing a sheet of thermosetting impregnated material onto said plate under heat and pressure to form a mold, said block being formed with portions adjacent the mold by which the block is located on the mold, removing the mold and block from the plate, covering the mold and block with thermoplastic material, subjecting it to heat and pressure to form a duplicate plastic plate with the temporary insert in the duplicate plate and forming the mortise opening and removing the temporary insert from the duplicate plate.

2,596,716
CARRYING CASE FOR KEYS AND DRIVER'S LICENSE
Lawrence F. Otten, Fort Thomas, Ky.
Application April 10, 1947, Serial No. 740,513
4 Claims. (Cl. 70—456)



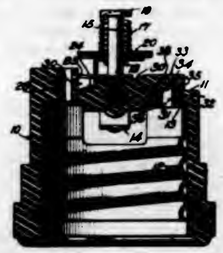
2. In combination in a key container for the purposes described, a case having top and bottom portions hinged together, interior means at each end of the case for the attachment of key retaining chains, end portions of said case being notched to permit the passage of the chains therethrough with the case in closed position, spring means normally urging the parts of said case to closed position, and a spring finger for engaging a key within said case and retaining it in position, said spring finger comprising a coiled spring coaxial with the spring means urging said case to closed position.

2,596,717
SHOCK TIER
Chester Arthur Palmer, deceased, late of Waynesville, Ohio, by Cecil A. Palmer, executor, Vandalia, Ohio, assignor to Nettie Palmer, Waynesville, Ohio
Application July 12, 1947, Serial No. 760,553
7 Claims. (Cl. 100—31)



1. A tyer of the class described, comprising in combination, a bar of square cross section having a rope receiving bore therethrough at its midlength, a take-up slot entering from the bottom side of the bar and curving toward the end of the bar away from the rope receiving bore, and a string securing slot opening from the front of the bar on the side of the rope receiving bore opposite to the take-up slot and extending away from the said bore; and a string cutting element extending lengthwise of the bar and projecting into said string securing slot in such manner that a string may be passed to the closed end of the slot without engaging the cutting element.

2,596,718
ELECTRIC LAMP RECEPTACLE HAVING EYELET SHELL SECURING MEANS
Lewis E. Palmer, Washington, W. Va., assignor to Union Insulating Co., Inc., Parkersburg, W. Va., a corporation of West Virginia
Application October 20, 1949, Serial No. 122,546
2 Claims. (Cl. 173—358)



1. The improvement in an electric lamp socket of the type having a screw shell contact secured against the inner face of the end wall of a tubular socket body of insulation with live-current-carrying parts mounted on the outer face of the end wall, the improvement comprising a tubular socket body molded from synthetic resin and provided with an end wall having a blind hole molded in its inner face, said hole having on its bottom a tapered projection surrounded by an undercut recess in the wall of said hole said projection being made of synthetic resin and in one piece with said end wall, a screw shell contact in the said

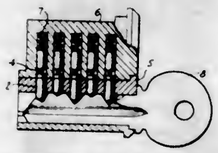
body and having an end in contact with the inner face of said end wall, said end of said screw shell contact having an aperture in alignment with said hole, and a tubular metallic eyelet extending through said aperture and into said hole to fasten said screw shell contact in said body, said eyelet having at its outer end a flange engaging the end of said screw shell contact, the inner end of said eyelet being upset into said undercut recess around said projection, whereby a portion of the synthetic resin end wall of the body will be disposed between said eyelet and live-current-carrying parts on the outer face of the end wall to prevent electrical failure of the socket by arcs forming between the eyelet and the current-carrying parts on the outer face of the end wall of the body.

2,596,719
STAPLE REMOVER
William G. Pankonin, Chicago, Ill.
Original application September 2, 1949, Serial No. 113,849. Divided and this application November 13, 1950, Serial No. 195,277
2 Claims. (Cl. 254—28)



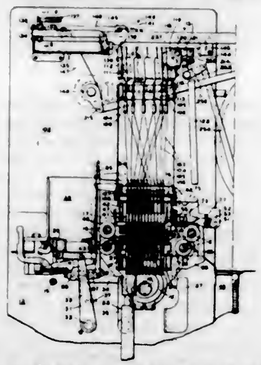
1. In a staple remover having cooperable jaws provided with spaced teeth insertable beneath the crown and between the legs of a sheet-binding staple and relatively movable into overlapping relation to remove said staple, one of said jaws having a plurality of teeth spaced laterally so that two adjacent teeth enter in between the legs of a staple having a relatively small or narrower than standard crown and three adjacent teeth enter in between the legs of a staple having a relatively large or standard crown, the other of said jaws having a pair of teeth one of which is cooperable with said two adjacent teeth and both of which are cooperable with said three adjacent teeth.

2,596,720
CYLINDER LOCK
Aldo Ferro Pastor, Giraldo Ferro Pastor, Enrique Juan Mir, and Antonio Juan Mir, Habana, Cuba
Application August 14, 1950, Serial No. 179,144
12 Claims. (Cl. 70—419)



1. A lock comprising a shell, a cylindrical barrel rotatable in said shell, said barrel having a longitudinal slot adapted to receive a key, a set of radial bores in said barrel communicating with said slot, a set of radial bores in said shell, the bores of said two sets being aligned in a predetermined angular position of said barrel and forming a set of channels of constant diameter, an elongated tumbler element in the part of each channel adjacent said slot, spring means in the part of each channel remote from said slot, and locking means in each channel positioned between said tumbler element and said spring means and urged by said spring means toward said slot, each of said locking means including a driver element nearest said spring means, a spacer element nearest said tumbler element, said driver element and said spacer element fitting closely inside said channel, and an intermediate element of reduced section between said driver element and said spacer element, said spacer element being independent of said tumbler element and of said intermediate and driver elements, said barrel being provided with recesses angularly displaced from the bores thereof and adapted to receive said intermediate elements, said recesses limiting rotation of said barrel relative to said shell by co-operation with said intermediate elements upon partial displacement of said tumbler elements against the action of said spring means by introduction into said slot of an instrument other than a mating key, said spacer elements being large enough to pass over said recesses without substantial hindrance upon rotation of said barrel following insertion of the proper key.

2,596,721
RECORD CONTROLLED EMBOSSING MACHINE
Arthur Pentecost, Upper Montclair, N. J., and Albert E. Schniertshauer, New York, N. Y., assignors to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application March 7, 1946, Serial No. 652,740
19 Claims. (Cl. 101—18)

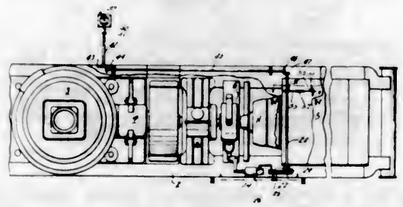


8. In an embossing machine, the combination of means for feeding and sensing record cards, a plurality of pairs of complementary stamping dies mounted in rows each pair individually settable in stamping position under control of said sensing means each die of a pair being normally supported in opposed spaced relation to the other die of the pair, means for feeding an embossable plate to a stamping position between the complementary dies of each set pair of dies, operating means engageable with one of each pair of set dies for forcing said die into cooperative stamping relation to the other die of said pair, and means responsive to the setting of said dies in stamping position for rendering said operating means effective.

2,596,722
TORQUE CONVERTER BRAKE CONTROL
Alexander Quayle, Oil City, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application May 15, 1947, Serial No. 748,306
9 Claims. (Cl. 192—3)

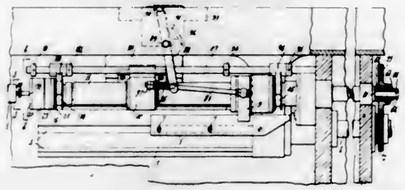
1. In a rotary drilling unit having a prime mover, a torque converter connected to said

prime mover, a pinion shaft assembly connected to said torque converter, a rotary table connected to said pinion shaft assembly, and a brake on said pinion shaft assembly for absorbing the drag of said torque converter when said prime mover is idling, the combination with said prime mover and said brake of an improved control mechanism comprising a first rotatable shaft, means operatively connecting said first shaft and said brake, a second rotatable shaft parallel to said first shaft, means operatively connecting



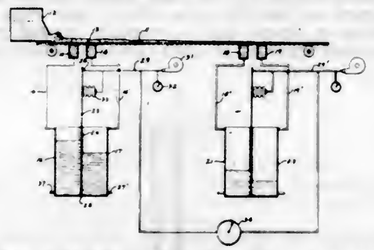
said second shaft and said prime mover, stop means limiting the extent of rotation of said second shaft, one of the limits of its rotation being the position at which said prime mover idles, chain and sprocket means connecting said first and second shafts, resilient means in said chain and sprocket means allowing said first shaft to rotate beyond the limits which said stop means allow said second shaft to rotate, rotation of said first shaft after said second shaft reaches the idling position applying said brake, and manual means for rotating said first shaft.

2,596,723
THREAD-CUTTING MECHANISM
Herbert H. Ranney, Windsor, Vt., assignor to Cone Automatic Machine Company, Inc., Windsor, Vt., a corporation of Vermont
Application May 16, 1947, Serial No. 748,455
10 Claims. (Cl. 29—57)



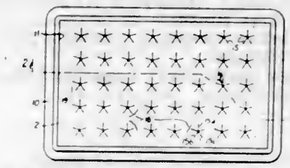
2. In combination with a rotary work spindle, of a tool spindle arranged in the direction of said work spindle and movable axially, a rotary shaft extending in the direction of said spindles but held against axial motion, a lead screw rotatable with said shaft, a nut segment carried by said tool spindle and movable into and out of driven relation to said lead screw and causing axial motion of said tool spindle by rotation of said screw when said segment is in driven engagement therewith and said shaft is rotated relative to said tool spindle, a tool carried by said tool spindle and movable laterally of said work holding spindle into and out of operative relation to work carried by said work holding spindle, and means for moving said segment into engagement with said lead screw while said tool is in advanced position and for first retracting said tool from advanced position and thereafter moving said segment out of engagement with said lead screw.

2,596,724
METHOD AND APPARATUS FOR DETERMINING THE FREENESS OF WOOD PULP
William G. Reynolds, Cottendale, Ala.
Application December 8, 1949, Serial No. 131,707
7 Claims. (Cl. 73—63)



4. Apparatus for determining the freeness of paper pulp suspensions while on the wire of a Fourdrinier paper machine having a head box, comprising a trough positioned beneath the wire a short distance from the head box to allow the preliminary formation of a thin fiber mat on said wire and disposed to receive liquid draining through the wire into said trough, a second trough positioned under said Fourdrinier wire further away from the head box than the first trough and also disposed to receive liquid draining through the wire, a receptacle communicating with each trough, said receptacles each having a restricted orifice in the lower portion thereof, the orifices being of equal size and so restricted to permit the building up of a hydrostatic head in the receptacles, and means to indicate the difference in hydrostatic head in the two receptacles.

2,596,725
INK PAD
Winnie David Robbins, Denton, Tex., assignor to Clarence Bentley and Ray Crawford, doing business as Scientific Office Products, Dallas, Tex., a partnership
Application July 5, 1947, Serial No. 759,035
1 Claim. (Cl. 15—244)

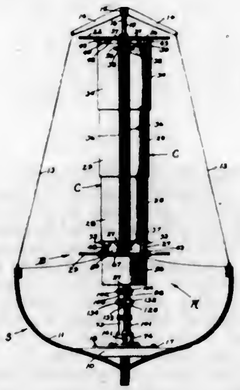


An inking pad comprising a body of spongy, porous, resilient material having groups of slits formed therein, said groups being composed of five slits extending radially from and communicating with a common line at substantially equiangular spacing, said slits extending downwardly into said body more than half the total thickness of said body but not through the bottom surface thereof, each slit extending laterally in a straight line for a distance not exceeding the depth of cut.

2,596,726
WIND MOTOR
Josef G. A. Rydell, Minneapolis, Minn.
Application May 26, 1948, Serial No. 29,386
5 Claims. (Cl. 170—1.5)

5. A motor adapted to be energized by the wind and including a rotor consisting of a revoluble

support constituting a driving element, two similar elongated juxtaposed vanes, arcuate in transverse cross-section, mounted on said revoluble support at opposite sides of the axis thereof with the concavities of the vanes facing each other, said vanes being oppositely transversely movable on said support to reversely offset the one thereof more or less from the other, each vane comprising a frame and a number of sail panels mounted thereon, at least one of said sail panels



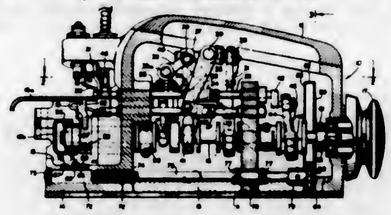
being movable axially of the revoluble support relative to another of said sail panels to vary the effective sail area of the vane, vane shifting means operatively connected with the frames of said vanes and adapted to move the vanes on said revoluble support during rotation thereof, and panel shifting means operatively connected with said movable sail panels and adapted to move the same on the frames of said vanes during rotation of the revoluble support.

2,596,727
HIGH-FREQUENCY TUNING APPARATUS PARTICULARLY ADAPTED TO SEAMERS
Willard C. Rykert, Hinsdale, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application April 3, 1947, Serial No. 739,073
11 Claims. (Cl. 219—47)



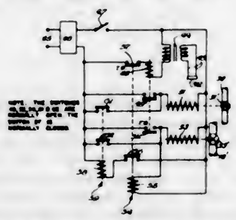
2. A tuning stub for use in apparatus for bonding together dielectric parts of varying aggregate thickness including a source of high-frequency power and a parallel circuit coupled to said source including separable electrodes having capacitance therebetween and reactance means, said stub comprising a less-than-quarter-wavelength, enclosed conductor connected in parallel with said electrodes, a flat, inner, conducting surface short-circuiting the free end of said enclosed conductor and extending obliquely across same, and means normally tuning said enclosed conductor to have slightly too much capacitance for resonance of said parallel circuit at the frequency of said source.

2,596,728
LUBRICATION SYSTEM FOR SEWING MACHINES
George Sauer, Berwyn, and Clarence C. Smith, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1949, Serial No. 130,654
19 Claims. (Cl. 112—256)



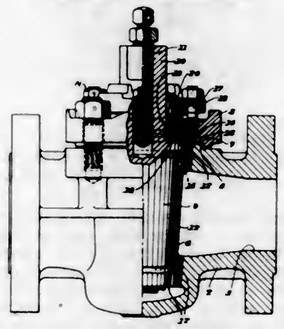
1. In a sewing machine, a frame having an enclosed portion providing a lubricant retaining reservoir, a rotary drive shaft extending through said enclosed portion, work feeding devices outside of said reservoir, connections from said shaft for operating said devices, means for delivering lubricant from said reservoir to said devices in substantial excess of the lubricant consumption thereof, a sump beneath said devices for collecting excess lubricant therefrom, means providing a conduit for returning lubricant from said sump to said reservoir, filtering means mounted in a readily accessible portion of said frame for removing solid particles from said lubricant before it is returned to said reservoir, said filtering means being relatively small and of inadequate capacity to handle by gravity said excess delivered to said devices, and pumping means operated by rotation of said drive shaft for drawing lubricant through said filtering means and forcing it into said reservoir, said pumping means being constructed and arranged to provide a suction head on the oil above the filter.

2,596,729
FUEL IGNITION SYSTEM
Walter George See, Hammond, Ind.
Application November 5, 1947, Serial No. 784,280
7 Claims. (Cl. 158—125)



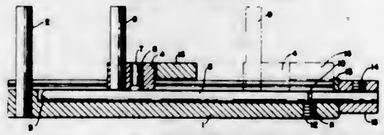
2. The combination, with fuel burning apparatus having associated pilot fuel delivery means and main fuel delivery means, of pilot fuel ignition means comprising an electrically operable igniter element having a negative temperature coefficient of electrical resistance, means for mounting said element in position to ignite said pilot fuel upon delivery thereof in said fuel burning apparatus, and an electrical system for actuating said igniter element and for controlling the delivery of main and pilot fuel to said burner apparatus comprising a pilot solenoid for controlling pilot fuel, a main solenoid valve means for controlling main fuel, means for energizing said igniter, a current responsive relay, responsive to current flow to said igniter element, including pilot switch means for controlling said pilot solenoid when current flow to said igniter element reaches a predetermined value and main fuel switch means operable to control said main solenoid after a time delay interval following operation of said pilot switch means.

2,596,730
PLUGCOCK
Ludwik Seinfeld, New Providence Township, Union County, N. J., assignor, by mesne assignments, to H. K. Porter Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application June 3, 1947, Serial No. 752,221
7 Claims. (Cl. 251—93)



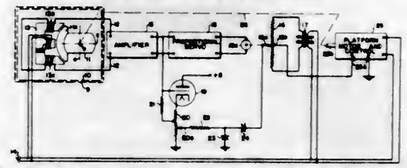
1. In a plug cock having a seat, a rotatable plug, the plug having a body engaging the seat and an axial stem, and an annular retaining portion disposed about the plug stem, means maintaining the plug seated, said means including a ring disposed about the plug stem, lying loosely within the annular retaining portion and bearing on the plug body and means pressing against the surface of the ring remote from the plug body for pressing the ring against the plug body, the ring having a bearing rib extending toward and engaging the plug body.

2,596,731
SLIDING POST CALIPER
John J. Seme, Cleveland, Ohio
Application August 4, 1951, Serial No. 240,335
7 Claims. (Cl. 33—143)



2. A gauge including a longitudinal base, a stationary post rigid with said base and a movable post carried by said base, said base having a longitudinal channel, said movable post being rigidly carried by a slide member that fits with limited vertical clearance in said channel for slidable movement longitudinally therein, a shaft removably secured for rotation in the lower portion of said channel below said slide, means for locking said shaft against longitudinal movement in said base, a manual knob for rotating said shaft in either direction, said shaft having a circumferential portion extending throughout its length that remains out of engagement with the lower surface of said slide to leave the latter free to be manually moved longitudinally in said channel, the remaining portion of said shaft, on each side of said portion, being formed to constitue a cam that, upon manual rotation of said shaft in either direction, positively engages the lower surface of said slide to force the latter upwardly and lock it in said channel against longitudinal movement in said channel.

2,596,732
REBALANCING SERVO SYSTEM
William W. Shannon, Glen Cove, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application October 18, 1946, Serial No. 704,022
9 Claims. (Cl. 318—31)



1. A servo system comprising, a circuit effective to develop a periodic signal having an amplitude representative of a control effect, a first signal-repeating means connected to be energized from said circuit and including intergrating means effective to develop a periodic signal representative of the time-integral of the control signal of said circuit, a second signal-repeating means effectively in parallel with said first means and effective to repeat said periodic signal with a minimum time delay, a circuit for combining the periodic signals repeated by both said signal-repeating means, and servo means responsive to the combined repeated signals, whereby the sensitivity of the system to high-frequency variations of said control signal is increased.

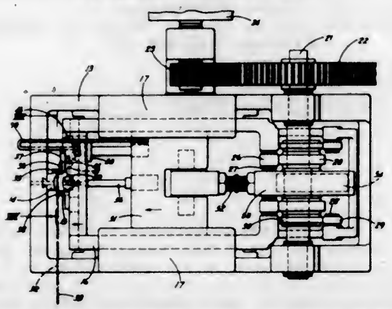
2,596,733
SKIING POLE
Marvin Sibner, Richmond Hill, N. Y.
Application May 28, 1948, Serial No. 29,780
1 Claim. (Cl. 280—11.37)



A ski pole comprising in combination a tubular shaft, a rod having a point slidably mounted within said tubular shaft, a spring normally retracting said rod, with the point held inwardly

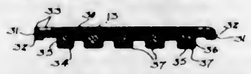
of the shaft, lever means engaging the upper end of the rod and operable in opposition to said spring, a hollow handle enclosing said lever means, said handle having a flexible wall portion adjacent said lever means and movable laterally inwardly so as to engage and actuate the latter in response to manual gripping pressure applied to the handle member.

2,596,734
RAIL CLIP FORMING MACHINE
Edmund A. Skowron, Pittsburgh, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application July 16, 1947, Serial No. 761,313
2 Claims. (Cl. 153—34)



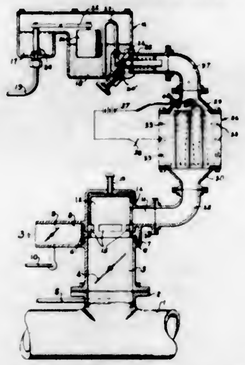
1. A rail clip forming machine, comprising a base, a concave die, a shear blade beside said die, a convex die to cooperate with the concave die, a second shear blade beside the convex die to cooperate with the first blade, one of the dies and the blade beside it being rigidly mounted on said base, a movable support for the other die and blade, means for moving said support on said base toward and away from said rigidly mounted die to provide a metal plate between the dies with a longitudinally arched body and a sheared portion projecting laterally from the shear blade side of the dies, the convex die having a lateral projection extending away from its shear blade side, a bending member disposed adjacent said second blade and movable toward and away from the projection side of the convex die in a lateral direction transverse to the direction of movement of said support, a toggle connected to said bending member for reciprocating it laterally to bend said projecting portion of the plate around said die projection, a pair of movable actuating members positioned to engage opposite sides of the toggle alternately for straightening it and breaking it, and reciprocating means on said base, said last-mentioned means carrying said actuating members to move them in the same direction simultaneously.

2,596,735
SINK PAD
John H. Suarez, Brooklyn, N. Y.
Application September 16, 1949, Serial No. 116,019
6 Claims. (Cl. 4—187)



1. A sink pad comprising a substantially quadrilateral flexible base, a flexible under-sheet having a plurality of concavities formed therein, said under-sheet being sealed to said base, and a plurality of cushioning members being disposed in said concavities and between said under-sheet and base.

2,596,736
FUEL SUPPLY SYSTEM
John A. Templeton, Hollis, Okla.
Application September 24, 1946, Serial No. 699,055
6 Claims. (Cl. 219—38)



1. In a fuel supply system for an internal combustion engine, a vaporizing device comprising means forming a multiplicity of tubular passageways for flow of the fuel therethrough, said passageways each having diverging side walls in the direction of fuel flow, and an electrical heating element directly exposed to contact with the fuel during flow through said passageways.

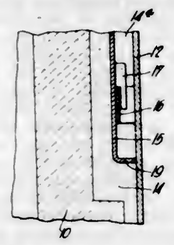
2,596,737
STYRENATED PRODUCTS
Roy W. H. Tess, Orinda, Robert H. Jakob, San Francisco, and Theodore F. Bradley, Orinda, Calif., assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware
No Drawing. Application October 13, 1950, Serial No. 190,064
8 Claims. (Cl. 260—23)

1. An interpolymer of a monoaryl-2-alkene-1 containing up to 4 carbon atoms in the alkene group, and an olefinically unsaturated fatty acid polyester of an esterifiable glyceryl polyether of a dihydric phenol having alternating glyceryl radicals and the hydrocarbon radicals of the phenol united in a chain by ether oxygen atoms between said radicals, which acid contains 12 to 22 carbon atoms and has an iodine value of 110 to 400, and which polyester contains at least three acyloxy groups of the fatty acid joined to the glyceryl radicals of the polyether, said interpolymer containing 10% to 75% by weight of polymerized monoarylalkene.

2,596,738
FURNACE SHELL CONSTRUCTION
Roscoe R. Thomas, Fairfield, Ala., assignor to United States Steel Company, a corporation of New Jersey
Application May 10, 1949, Serial No. 92,363
4 Claims. (Cl. 266—27)

3. The combination with a blast furnace which includes an outer shell, a refractory lining spaced inside said outer shell, and charging mechanism at the top of the furnace carried by said outer

shell of a device for preventing warping of said outer shell in its upper region when said lining wears through comprising an auxiliary shell carried by the interior face of said outer shell in its upper region and being spaced inwardly of



said outer shell and outwardly of said lining, said furnace including insulating material in the space between said lining and said shells next to said lining and additional insulating material in the space between the two shells.

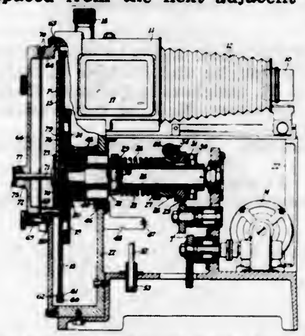
2,596,739
PREFORMED NECKTIE
Anthony J. Titone, Corona, N. Y.
Application May 10, 1950, Serial No. 161,160
10 Claims. (Cl. 2—153)



7. A preformed necktie comprising a one-piece knot structure, said knot structure having a vertical slot opening to the rear face and the top and bottom ends thereof, an elastic neckband secured at its ends of said knot structure on opposite sides of said slot, a hook mounted on the material of said knot structure defining the front wall of said slot and closely adjacent the top of said knot structure, a breast piece having a gathered top portion inserted into said slot from the bottom thereof, and a stiffening member mounted in said gathered top portion of said breast piece and having a portion projected from the top of said breast piece, said projected top portion of said stiffening member having an eye engageable by said hook removably mounting said breast piece in position.

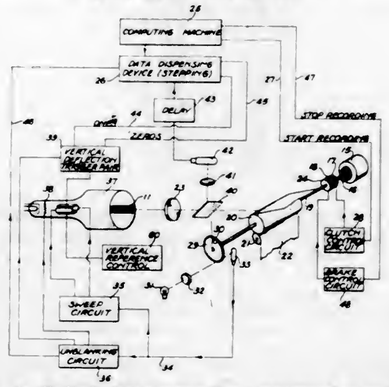
2,596,740
APPARATUS FOR PHOTOGRAPHING AND EXHIBITING A MULTIPLICITY OF DIFFERENT PICTURES IN SUCCESSION
Fordyce E. Tuttle and William Bornemann, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 17, 1949, Serial No. 127,851
13 Claims. (Cl. 88—16)

1. A photographic camera comprising in combination a camera body having an open back; an objective on the front wall of said camera body; means for locating a light-sensitive surface in the focal plane of said objective through said opening in the camera back so that a given area of said surface will be covered by the image projected by said objective; a scanning disk rotatably mounted substantially in the focal plane of said objective in front of said light-sensitive surface, and comprising a circular disk generally opaque to the rays to which said light-sensitive surface is sensitive and provided with a multiplicity of substantially equally spaced, individual dot-like, light-transmitting apertures, each having substantially the same diameter d, the apertures disposed in groups extending spirally of the face of said disk and each group of apertures being concentric with all others and spaced from the next adjacent group by n times the diameter of the apertures, the number of groups being sufficient to cover one dimension of the sensitive surface to be scanned, each aperture of each group spaced from the next adjacent aperture



in that group by a distance equal at least to the diameter of the apertures in a direction radially of the disk and by x times the diameter of the apertures in a circumferential direction, whereby the disk can rotate through an arc equal to $n \times d$ before a given portion of said surface will be scanned by two apertures and a minimum of $n \times x$ separate dot-like pattern exposures will be made on said surface when the disk is rotated through an arc equal to $n \times d$, and means for rotating said scanning disk relative to said light-sensitive surface so that each of said apertures will expose different and previously unexposed portions of said surface in succession.

2,596,741
EXTERNAL MEMORY DEVICE FOR ELECTRONIC DIGITAL COMPUTERS
Arthur W. Tyler and Russell D. O'Neal, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 28, 1948, Serial No. 46,656
4 Claims. (Cl. 346—33)



1. A digital data recording system for utilizing digit-representing electric signals received in

denominational sequence, comprising a circuit responsive to the received signals for deriving control potentials characteristic of the digits represented by said signals, a plurality of apertures arranged in linear rows in which each row corresponds to a digit value, means for illuminating in succession aperture after aperture in the direction of the rows, means governed by the derived control potentials for selecting for each denominational signal the row in which an aperture is illuminated, and means for photographing the apertures.

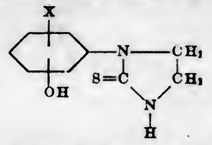
2,596,742

N-SUBSTITUTED ETHYLENE THIOUREAS

Remsen S. Vaughn and Frederic R. Bean, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 22, 1950, Serial No. 151,306
14 Claims. (Cl. 260—309.7)

1. A compound having the general formula:



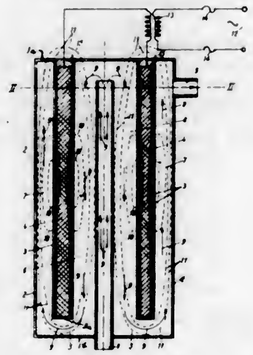
wherein X represents a member selected from the group consisting of an atom of hydrogen and an atom of chlorine.

2,596,743

ELECTRIC DEVICE

Theophile I. S. Vermeiren, Deurne-Anvers, Belgium

Application October 1, 1946, Serial No. 700,595
In Belgium October 6, 1945
1 Claim. (Cl. 210—1.5)



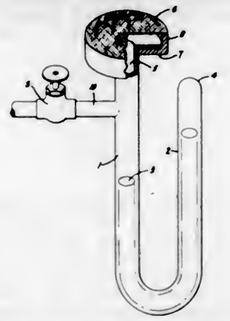
An electric device to prevent the formation of calcareous incrustations and dislodge those already existing, in apparatus containing water giving rise to the formation of incrustations of this kind, said device comprising a cylinder of non-magnetic material with a closed top and a closed bottom, an inlet duct extending through the bottom of said cylinder up into the central portion of the cylinder and having a discharge opening positioned in the upper central portion of said cylinder for feeding said water into said cylinder, said cylinder having a water discharge outlet in the upper cylindrical wall thereof, a pair of concentric tubular baffles of different diameters surrounding the discharge opening of said duct and extending downwardly from the top of said cylinder to a region in proximity to but spaced from the bottom of the cylinder dividing the upper portion of the cylinder into concentric inner and outer chambers communicating with each other at the lower portion of the cylinder to prevent direct flow of water from the discharge of said inlet duct to the discharge outlet transversely of the cylinder, said baffles providing a tubular space between the same, means closing the lower end of said tubular space, a solenoid in said tubular space and surrounding the inner of said baffles, said solenoid extending from the upper part of said cylinder to the lower part of said tubular space, and means to feed said solenoid with a periodically variable current.

2,596,744

MOISTURE INDICATING INSTRUMENT

Bernard Vonnegut, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York

Application December 28, 1949, Serial No. 135,344
12 Claims. (Cl. 73—335)



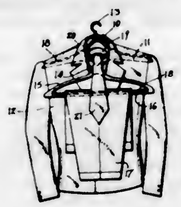
1. A moisture-measuring instrument comprising a gas evacuated chamber having an opening therein, a pressure sensitive element within said chamber, and a membrane permeable to moisture but substantially impervious to gases covering said said opening.

2,596,745

COMBINATION JACKET, TROUSER, AND TIE HANGER

Rose Waldman, Jersey City, N. J.

Application October 12, 1949, Serial No. 120,854
5 Claims. (Cl. 223—88)



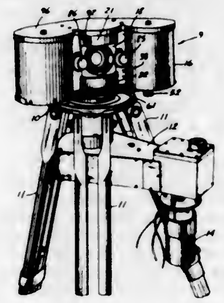
1. A garment hanger comprising a one-piece molded body having a top downwardly arched portion for having a coat positioned thereon, a hanger molded into said downwardly arched portion intermediate of its ends, said downwardly arched portion continuing intermediate of its ends into a downwardly extending portion, said downwardly extending portion continuing at its lower end into a lower frame portion having a horizontal bar portion over which a pair of trousers can be positioned, said downwardly extending portion being formed with an opening, and a rod extended horizontally across said opening.

2,596,746

PANORAMIC CAMERA WITH STATIONARY FILM

Fred Waller, Huntington, N. Y., assignor to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York

Application July 12, 1949, Serial No. 104,262
9 Claims. (Cl. 95—16)



1. A panoramic camera comprising a housing, a bearing on which the housing is rotatable about an axis, a lens mount supporting a lens with the second principal point of the lens on the axis of rotation of the housing and with the axis of the lens substantially normal to said axis of rotation, cylinders spaced from one another and at least partially enclosed within the housing, said cylinders having their axes substantially coincident with the axis of rotation of the housing, means for holding said cylinders stationary, with respect to the bearing on which the housing is rotatable, during the rotation of the housing, apparatus that holds the film against the cylinders with the film wrapped around a predetermined angular extent of the cylinders, a supply spool from which successive portions of the film are progressively supplied to said stationary cylinders at one side of said angular extent, and a take-up spool on which film is progressively wrapped from the other side of said angular extent, during rotation of the housing, both of the spools being carried by the housing and movable therewith about the axis of rotation.

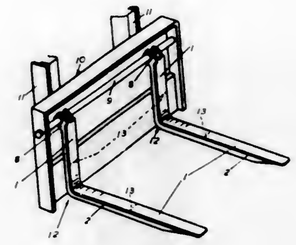
2,596,747

MECHANICAL HANDLING TRUCK

Robert Ward and John Ridley, Birmingham, England

Application March 13, 1950, Serial No. 149,296
In Great Britain September 27, 1949
4 Claims. (Cl. 214—113)

1. An L-shaped lift-truck fork comprising a steel fabricated structure consisting of L-shaped high carbon steel plates welded into a channel section, the web of the section forming the load supporting surface, and a block interposed between and welded to the channel section at the heel part of the fork.



2,596,748

CATALYST REGENERATION SYSTEM

Kenneth M. Watson, Madison, Wis., and Robert Lormer Smith, Western Springs, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application July 10, 1948, Serial No. 38,146
2 Claims. (Cl. 252—417)

1. In the normal operation of catalytic processes in which a feed of constant composition is subjected to contact with a finely divided solid catalyst to yield a resulting conversion product of substantially constant composition where the catalyst is continuously regenerated by combustion of adherent carbonaceous matter without substantially varying the degree to which the carbonaceous matter is removed from the catalyst by such combustion and where catalyst inventory is maintained in the system by periodic addition of fresh make-up catalyst, the improvement in the control of catalyst inventory which comprises adding fresh make-up catalyst to the system for a brief period relative to the normal operating period, returning substantially all of the catalyst fines carried overhead from the regenerating zone to the system during said make-up period and for the period of normal operation immediately thereafter until catalyst inventory and average activity have dropped so that fresh catalyst should be added to the system, and thereupon rejecting said overhead fines from the system for a relatively brief period immediately prior to the succeeding periodic addition of make-up catalyst said operation being carried out with no make-up catalyst being added during the normal operating period and the catalyst fines rejection period.

2,596,749

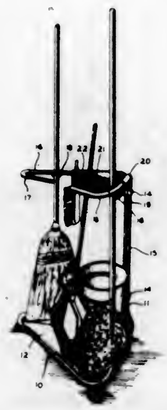
UTILITY CART

Owen Webber, Bayonne, N. J.

Application January 11, 1950, Serial No. 138,035
2 Claims. (Cl. 211—1)

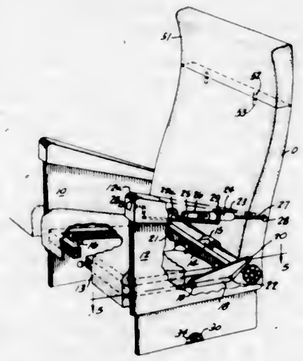
1. A utility cart of the class described comprising a single piece triangular base, a drainage bottom carried by said base, detachable vertical rods rising from said base, clamps coupling said

base and rods, a single piece open front triangular top detachably clamped to said rods, and



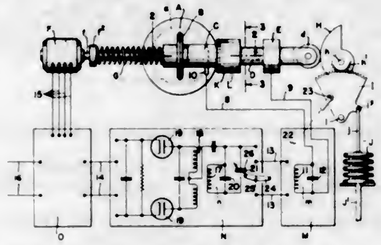
said top having inturned retaining hooks at the front thereof.

2,596,750
FOLDING SEAT
Hull Wickham, Mattituck, N. Y., and Edward F. Burton and Ernest Gilbert Mason, West Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application November 15, 1948, Serial No. 60,062
9 Claims. (Cl. 155—33)



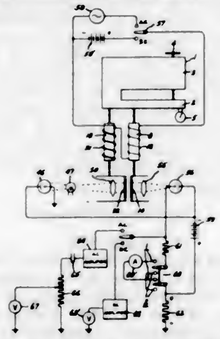
1. A folding seat, comprising: a fixed seat side; an opposed seat side movable laterally with respect thereto; telescopable means joining said sides to each other; a seat bottom; means connecting said seat bottom to said telescopable member for rotation about the axis of said telescopable member and about the longitudinal axis of said seat bottom; stop means carried by at least one of said seat sides; and means carried by at least one side of said seat bottom and adapted to engage said adjacent stop means to thereby position and retain said seat bottom in a generally horizontal plane.

2,596,751
CONTROL APPARATUS
Rudolf F. Wild, Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 3, 1949, Serial No. 125,200
5 Claims. (Cl. 318—312)



1. In a torque amplifier of the known type comprising a rotatable leader element and means for rotating said element at a speed varying in predetermined accordance with variations in a controlling condition, a rotatable follower element, a motor for rotating said follower element at varying speeds and an automatic motor control mechanism responsive to variations in the relative speeds of said elements for varying the speed of the follower element on and in accordance with variations in said relative speeds so as to maintain the rotative speeds of the two elements substantially equal, the improvement comprising regulating means adjustable to vary the sensitivity of said control mechanism including means for modifying the changes in the speed of the follower element resulting from variations in said relative speeds, and adjusting means automatically actuated on and in accordance with changes in the rotative speed of one of said elements to adjust said regulating means and thereby effect a predetermined variation in the sensitivity of said mechanism on a predetermined variation in said rotative speed.

2,596,752
MAGNETOSTRICTION MEASURING INSTRUMENT
William D. Williams, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application January 29, 1949, Serial No. 73,604
3 Claims. (Cl. 73—432)

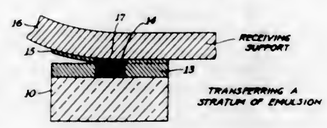


1. In a magnetostriction measuring device, the combination of a supporting member, means for suspending a pair of specimens of a material to be measured from adjacent points on said supporting member, means to magnetize one of the specimens, means to heat without magnetizing the other of the specimens, a pair of optical gratings arranged respectively to be suspended from the pair of specimens in adjacent parallel planes, means to produce a light beam impinging upon said gratings from a direction normal thereto, said gratings having their grating lines arranged to be horizontally parallel and to control by their relative vertical positions the intensity of said light transmitted therethrough, and means including a photosensitive device to measure the said transmitted light intensity.

2,596,753
METHOD OF PROCESSING AND CANNING WHOLE SWEET MILK
Lloyd T. Winger, Trinidad, Colo.
No Drawing. Application September 14, 1951, Serial No. 246,531
9 Claims. (Cl. 99—151)

1. In a process for sterilizing and stabilizing whole sweet milk, the method of blending with the milk .1% to .2% by weight of an edible grade hydrogen peroxide, dissipating any residual hydrogen peroxide from the milk with .1 to .5 gm. of powdered catalase enzyme per 1000 pounds of the milk, homogenizing the milk at high pressure and stabilizing the milk by heat.

2,596,754
PHOTOMECHANICAL COPY METHOD
Edward C. Yackel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 4, 1947, Serial No. 783,913
5 Claims. (Cl. 95—5)

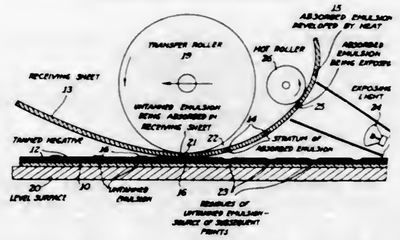


1. A method of photographic reproduction which comprises exposing a substantially unhardened light-sensitive gelatino-silver halide emulsion layer to a subject, said layer being not harder than a gelatin layer containing 0.7 gram of formaldehyde per pound of gelatin freshly coated, developing in said emulsion layer in substantially unhardened gelatin vehicle an image corresponding to said subject, pressing an absorbent support against said layer while said layer is moist to cause said layer to adhere to the support and without drying separating said support and layer to transfer a continuous stratum of the entire layer to said support.

2,596,755
AROMATIC COLOR COUPLERS CONTAINING MERCAPTAN AND HYDROXYL GROUPS
Richard V. Young and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 13, 1948, Serial No. 2,127
5 Claims. (Cl. 95—6)

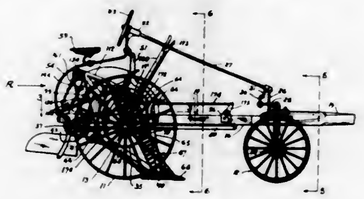
3. A light-sensitive gelatino silver halide emulsion containing a coupling compound having at least two aromatic rings, one of which has a mercapto group attached thereto and another of which has attached thereto a hydroxyl group, rendering said compound capable of coupling with the development product of a primary aromatic amino developing agent to form a dye selected from the class consisting of quinoneimine and azomethine dyes.

2,596,756
PHOTOMECHANICAL COPY METHOD
Henry C. Yutzy and Edward C. Yackel, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 4, 1947, Serial No. 783,914
15 Claims. (Cl. 95—5)



1. A method of photographic reproduction which comprises forming by exposure to a two-tone subject and development in a light-sensitive substantially unhardened organic colloid-silver halide emulsion layer, a hardened colloid image and leaving substantially unhardened colloid in the remaining area of said layer, said unhardened layer being not harder than a gelatin layer containing 0.7 gram of formaldehyde per pound of gelatin freshly coated, removing excess water from the surface of said emulsion layer, pressing a sheet having an absorbent surface against said emulsion layer while said emulsion is moist and its surface free of greasy material, to cause only said unhardened colloid portion of said layer to adhere to said sheet, and separating said sheet and said emulsion layer to transfer only a stratum of the unhardened colloid portion of said layer to said sheet.

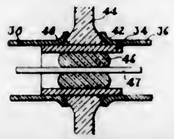
2,596,757
BEET TOPPING MACHINE
Jacob E. Amend, deceased, late of Brighton, Colo., by Marie E. Amend, administratrix, Brighton, Colo.
Application August 20, 1946, Serial No. 691,803
11 Claims. (Cl. 146—85)



1. A machine for topping such vegetables as beets and the like, comprising a conveyor for raising the vegetable to an elevated position, coacting spaced members forming a receiver into which the vegetable is discharged top down from

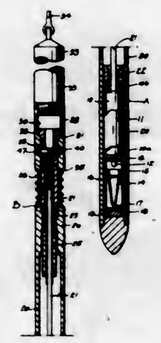
the conveyor, a cutter adjacent to the lower part of the receiver, a rotary element for moving the vegetable from the receiver toward the cutter, and linkage mechanism operated by the rotary element for elevating the cutter relative to the position of the downwardly directed top of the vegetable for effecting severance of the vegetable top from the vegetable body at a desired location.

2,596,758
TUBULAR METAL-TO-GLASS SEALING CONSTRUCTION
Thomas H. Briggs, Jr., Norristown, Pa., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 8, 1946, Serial No. 681,933
2 Claims. (Cl. 189—36.5)



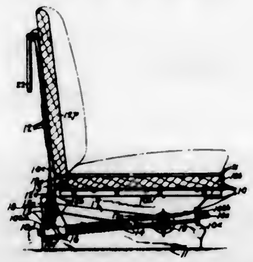
1. An assembly comprising a glass member, a sleeve of an alloy passing through said glass member and in engagement therewith, said sleeve having substantially the same expansion characteristics as the glass member and being oxide coated to provide a hermetic seal to the glass, and a tube having an end portion annularly hermetically secured to an end portion of said sleeve, said tube being of a metal having expansion characteristics differing substantially from those of the glass member, said tube being outside said sleeve, overlapping said sleeve at its junction therewith and provided with a flange for confining said glass member sealed to said sleeve.

2,596,759
BOREHOLE INCLINATION INDICATING DEVICE
Guy E. Brown, Houston, Tex., assignor of one-half to H. John Eastman, Denver, Colo.
Application December 11, 1946, Serial No. 715,395
7 Claims. (Cl. 33—205.5)



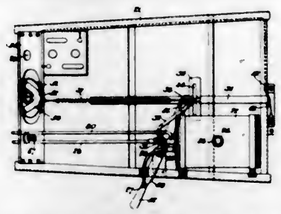
1. An inclination indicating apparatus for well bore including, a tubular housing, an inclination indicating instrument for indicating and recording deviation of a well bore from vertical mounted within said housing, electrically actuated means including a source of electric current mounted within the lower portion of the housing and adapted to operate the instrument when the electrical circuit between said source and the instrument is closed, a tubular support surrounding and slidably connected to the upper end of the housing whereby as the housing and instrument therein are lowered and raised within a well bore by means of the support, the weight of the housing holds the same in its lowermost position relative to the support, halting of movement of the housing within which the instrument is mounted permitting the support to slide downwardly relative to said housing, a radially movable electrical switch mounted in the upper portion of the housing and electrically connected in the circuit of the instrument, the support encompassing the switch and having an annular recess within which the outer end of the switch is normally disposed when the housing is suspended from the support and said housing and support are in fully extended position relative to each other, said switch being moved out of the recess and into contact with the wall of the support to close the electrical circuit upon telescoping of the support relative to the housing, an electrical connecting means extending axially through the housing from the switch to the source of electric current and establishing an electrical connection between the switch and current source, and means electrically insulating the electrical connecting means from the housing.

2,596,760
MECHANISM TO LEVEL AND ERECT SEAT BACKS
Samuel D. Bryant, Philadelphia, Pa.
Application June 27, 1947, Serial No. 757,505
3 Claims. (Cl. 155—7)



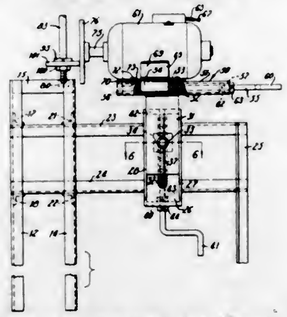
1. A seat-frame that includes supporting elements whose lower portions are normally seated on a floor and also includes a seat-base above said lower portions and comprises hinge-elements at its rear portion and substantially level with the seat base, in combination with a seat-back-frame that includes hinge elements normally articulated with the first said hinge-elements and also includes an arm that normally projects downward and terminates at a point above said lower portions, said seat-frame comprising bearings at and united with its front and rear portions, a screw-member above said lower portions and below said seat-base and rotatably seated in said bearings and thereby secured against longitudinal and tilting movements with respect to said seat-frame, and internally screw-threaded means in screw-threaded engagement with said screw-member and operatively connected to said arm for cooperating with said arm in causing said seat-back-frame to move to and from a substantially horizontal position at the rear of said seat-frame.

2,596,761
FIRE EXTINGUISHER FOR MOTOR VEHICLES
Joseph Carpani, Camden, N. J.
Substituted for application Serial No. 150,696, June 28, 1937. This application February 23, 1952, Serial No. 272,979
9 Claims. (Cl. 169—2)



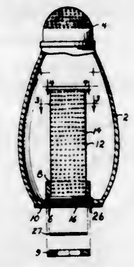
1. A fire extinguisher for motor vehicles comprising, in combination, a container to hold a fire extinguishing substance and compressed air as a carrier for said substance, said container having an outlet, a valve to control said outlet, mechanism to operate said valve and spring urged in a direction to open said valve, electrically operated means to temporarily hold said mechanism in a position to maintain the valve closed, a mercury switch and electrical circuits, one of which is normally closed through the ignition circuit of the vehicle and at least one other of which includes the electrically operated holding means, said last named circuit being normally open and when closed causing the holding means to release the mechanism for opening the valve to permit the escape of the fire extinguishing substance due to the pressure of the compressed air.

2,596,762
DYNAMIC FLYER BALANCING APPARATUS
Clarence Jack Costner, Bessemer City, N. C., assignor to Ideal Machine Shops Inc., Bessemer City, N. C., a corporation of North Carolina
Application December 13, 1950, Serial No. 200,605
4 Claims. (Cl. 74—194)



1. A dynamic balancer for flyers of roving frame and the like comprising a frame having a nest therein, a vertically disposed spindle having its lower end adapted to be rotatably mounted in said nest and having its other end adapted to rotatably support a flyer, said spindle having a disk thereon, a motor mounted on said frame and having a driven disk thereon mounted for rotation on a substantially horizontal axis, said driven disk being adapted to engage the disk on the spindle for rotating the spindle whereby the flyer thereon may be balanced by an operator, said motor having a motor base plate secured thereto, a second motor base plate to which the first-named motor base plate is adjustably secured, a block secured to said second motor base plate, a track member in which said block is slidably mounted, means for moving said block in said track member for horizontal adjustment of said motor, a second track member secured to said frame and having a second block slidably mounted therein, said second block being secured to said first-named track member and means for moving said second block in said second track member for vertical adjustment of said motor whereby the driven disk on said motor may be engaged at various desired points thereon by the disk on said spindle to vary the speed of rotation transmitted to said spindle.

2,596,763
SALT CELLAR HAVING ABSORBENT CARTRIDGE
Charles T. Crowley, Baltimore, Md.
Application May 23, 1946, Serial No. 671,746
1 Claim. (Cl. 222—23)

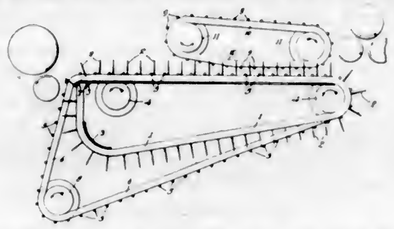


In a salt dispenser having a lower threaded opening and an annular ring provided with an inner groove, the combination with a perforated cylinder positioned within said dispenser, an annular rim secured to said cylinder and coacting with said groove, a transparent plug threadably received in said lower threaded opening of moisture-collecting and absorbing means in said cylinder, and means embodying litmus paper positioned between said plug and the rim of said cylinder for visually indicating through said transparent plug the degree of saturation of said absorbing means, said moisture-collecting and absorbing means comprising a perforated bag positioned within said cylinder, calcium chloride granules disposed in said bag, and absorbent paper in said bag for absorbing the liquid from said calcium chloride.

2,596,764
TEXTILE MACHINE
José Dotti, Santa Fe, Argentina, assignor to Euterio Lorenzo Dotti, Santa Fe, Argentina
Application May 9, 1946, Serial No. 668,386
5 Claims. (Cl. 19—127)

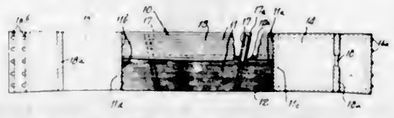
3. In a drawing frame for a textile machine, a pair of spaced parallel endless flexible carriers, a series of combs extending transversely between said flexible carriers and supported with both their ends by said carriers, fixed horizontal guide means over which a portion of said endless carriers is moved, means for moving said endless carriers in their longitudinal direction, a second pair of spaced parallel endless flexible carriers of greater length than and positioned exteriorly of said first mentioned pair of endless carriers,

a series of transverse rods mounted in spaced relation between said second pair of endless carriers and supported by the same, means for driving said second pair of endless carriers, said second pair of endless carriers being arranged to surround said first mentioned pair of endless



carriers in such a manner that the rods enter the space between the combs on the first mentioned pair of carriers when the latter move over said fixed horizontal guide means and that the combs when moving off one end of said guide means slidably engage said rods to thereby remove any fibrous material adhering to the combs.

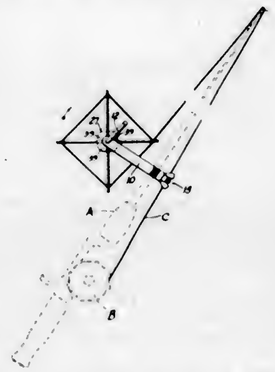
2,596,765
UNDERGARMENT WAISTLINE MIDRIFF GIRDLE
Harry Jay Dubner, New York, N. Y.
Application October 20, 1951, Serial No. 252,344
5 Claims. (Cl. 2—43)



1. A diaphragm flattener and waistline cincher for selective front and rear fastening fit comprising an invertible body encircling band structure of substantially uniform width fitted to extend over the midriff region of the wearer, said band structure including elastic and inelastic portions, said elastic portion extending approximately one half the effective waistline band length and being formed with a pair of aligned longitudinally extendable strips, one entire longitudinal edge border of each of said strips being arranged in uniformly overlapping relation, and flexure reinforcing stays secured to extend transverse said elastic portion spaced from the ends thereof and interconnecting said strips to counteract flexing stress and strain thereacross, said strips being otherwise free from each other along said overlapping edge border.

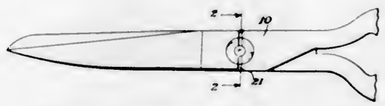
2,596,766
LINE DRIER REEL
Robert Dugdale, Chicago, Ill.
Application October 30, 1947, Serial No. 782,991
2 Claims. (Cl. 242—104)

1. In a reel, a rotor comprising a shaft and a pair of spaced-apart sheet metal hubs fixed to the shaft, a plurality of substantially equi-distantly spaced-apart radial channels formed in a face of each of the hubs, the channels of each hub opening outwardly of the reel and away from the other hub, each channel of each hub being substantially aligned with a channel of the other hub, there being a radially extending curvate shoulder where each side wall of each said channel joins a contiguous segmental plane portion of the hub in which the channel is formed, a hub aperture located in each of said channels, the hub apertures in certain of said channels being closer to the rotor axis than are the hub apertures located in other of said channels, and a plurality of generally U-shaped carriers, each carrier being formed of round spring wire and each leg of each carrier being provided with a terminal toe, each carrier squeezing the



rotor between its legs and having its toes engaging apertures located in an aligned pair of said channels and being retained radially of the rotor axis when its legs occupy those channels, the two legs of each carrier simultaneously moving out of the channels occupied by those legs by reason of camming cooperation of the round wire of each of such legs with one of the aforementioned curvate shoulders when the carrier is rotated as a whole relatively to the rotor.

2,596,767
SHEAR PIVOT
Reinhold W. Erickson, Cleveland, Ohio
Application February 24, 1947, Serial No. 730,635
4 Claims. (Cl. 30—266)

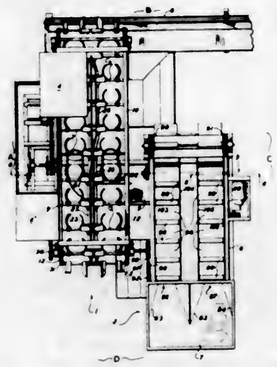


1. In a pair of shears embodying a pair of articulated blades having tapered bearing seats therein, a pivot for the blades comprising a frusto-conical journal member, a cylindrical shank integral therewith and merged with the smaller end thereof, a second frusto-conical journal member, a cylindrical shank integral therewith and merged with the smaller end thereof, and means for the support of the free ends of said shanks in impinged relation.

2,596,768
AUTOMATIC MEASURING AND BAGGING MACHINE FOR PRODUCE
Earl A. Ernst, Bakersfield, Calif.
Application October 20, 1947, Serial No. 780,792
5 Claims. (Cl. 226—59)

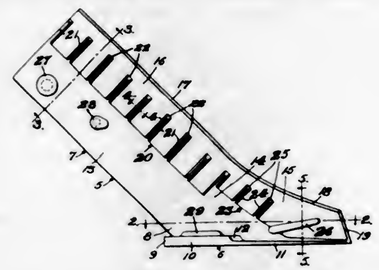
1. In a bagging machine, a pair of side-by-side endless conveyors in the form of elongated loops,

one of the loops having a plurality of open top and open bottom measuring chambers fixed thereto and the other loop having a plurality of open top and open bottom bag holders thereon, a floor under the top portion of the loop having the measuring chambers, a discharge opening



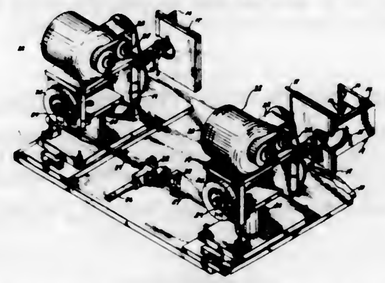
in the center portion of the floor, a feed channel over the bottom portion of the loop having the bag holders, and cross transfer means extending from under the floor opening to the top of the feed channel for directing measured amounts of farm and orchard produce from one loop to the other and into bags for their shipment.

2,596,769
PLOWSHARE
Emanuel W. Giedd, Sioux Falls, S. Dak.
Application May 6, 1946, Serial No. 667,648
1 Claim. (Cl. 97—125)



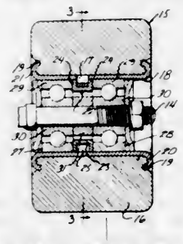
A plow share composed of a body portion and a shoe portion, said body portion having a cutting portion of equal but reduced thickness throughout provided with a self-sharpening cutting edge, and a series of spaced reinforcing ribs extending at substantially right angles to the cutting edge but terminating short thereof and at their inner ends abutting the shoulder resultant from the reduced cutting portion, the sides of the ribs being flared outwardly and the terminal edges of the ends being bevelled, the cutting portion adjacent the shoe portion being of reduced width, ribs on said reduced portion of less length than first mentioned ribs and a reinforcing rib arranged substantially parallel to the base of the shoe which extends outwardly from the lower end of the shoulder formed at the reduced cutting portion of the plow share.

2,596,770
INDUCTION HARDENING FIXTURE
Fredrick J. Groven, Highland Park, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application September 29, 1948, Serial No. 51,834
1 Claim. (Cl. 219—47)



A camshaft hardening device comprising two U-shaped inductors arranged with the rounded portion of the U-shaped inductors directed towards each other and in a common plane, a pair of fixtures one of which serves one of said inductors and the other of which serves the other of said inductors, each of said fixtures incorporating a driving means, and a hollow member adapted to receive, secure, and rotate a camshaft, means connecting the driving means and hollow member, each of said fixtures being pivotable about an axis parallel to the plane of the inductors, perpendicular to the axis of the hollow member and parallel to each other, said fixtures being connected by a manually operated linkage located intermediate said fixtures and arranged to alternately move a camshaft mounted in one of said fixtures into heating relationship with the inductor and away from the inductor while the camshaft mounted in the other fixture is respectively moved away from the other inductor and into heating relationship with the other inductor.

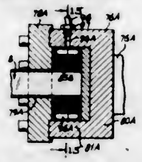
2,596,771
BUSHING AND BEARING SPACER ASSEMBLY FOR ROLLER SKATE WHEELS
Louis O. Harbour, Royal Oak, Mich.
Application December 10, 1948, Serial No. 64,622
8 Claims. (Cl. 301—5.7)



7. In a roller skate wheel, in combination, a wheel body of wood having a concentric bore and annular, axially projecting shoulders in the respective end faces of the body around the bore, and a hub unit comprising a seamless tubular metal body inserted in said bore in substantially conforming fit therewith and having annular end flanges integral with said metal body, turned outwardly and turned and compressed toward each other against the wheel body, in compres-

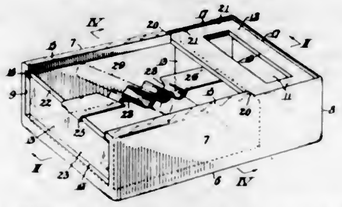
sive, retaining engagement over and with said annular shoulders of the wheel body, said tubular hub body having a plurality of pairs of transverse slits disposed in an annular row intermediate the ends of the body, and inwardly extending lugs formed by the material of the body between the respective pairs of slits, said lugs projecting inwardly in said tubular body to constitute annularly disposed retaining structure therein.

2,596,772
BAR GRIPPER MEANS FOR STRETCHING PRESSES
Thomas Blair Hawkes, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company, corporations of New York
Application April 25, 1946, Serial No. 664,925
8 Claims. (Cl. 24—243)



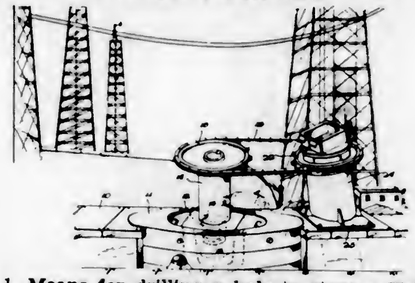
1. For a bar stretching machine a gripper device comprising a gripping annulus composed of a matrix of rubbery material elastically deformable inwardly for substantially direct gripping action upon the bar; and embedded in said matrix numerous hard shot relatively movable with the deforming play of the matrix material and providing at the gripping surface an effective gripping action, preventing relative sliding of the bar with respect to the gripper device.

2,596,773
ASH RECEIVER AND EXTINGUISHER FOR CIGARETTES
Noboru Richard Horikawa, Philadelphia, Pa.
Application November 25, 1947, Serial No. 788,020
2 Claims. (Cl. 220—20)



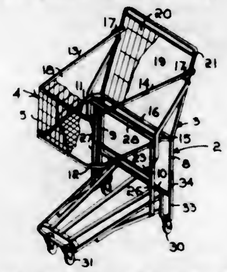
1. A combined ash-tray and extinguisher device for smoker's use consisting of a unitary structure embodying a bottom, spaced side walls connected by an end wall and a transverse partition spaced inwardly relative to said end wall, with the other end of said structure open; the spaced side walls between the partition and the structure open end also including inwardly-directed opposed flanges at the top, and said flanges having their undersides inclined to the horizontal; an upstanding lip across the bottom at the open end of the unitary structure and said lip in conjunction with the inclined undersides of the inwardly-directed flanges, jointly serving to restrain an ash receptacle placed in said open ended portion of the unitary structure from upward and outward displacement when said structure is in normal position.

2,596,774
RATHOLE DIGGER
Claude M. Jeffries and Fritz Earle Scheig, Pampa, Tex.
Application February 11, 1947, Serial No. 727,870
5 Claims. (Cl. 255—19)



1. Means for drilling a hole to store a Kelly joint or the like, comprising a hollow shell fixed to the derrick floor of an oil well, bearing members around the inner circumference of said shell, a driven part rotatably journalled in said shell, a flange carried by said driven part, means for applying rotary driving power thereto, a bearing groove around the underside of said flange, said groove registering with a similar groove in the top rim of said shell to form a bearing race between said driven part and said fixed shell, spaced lugs on the upperside of said flange, and a drive bushing having a flange around its outer circumference with spaced lugs adapted to fit between said lugs on said flange of the driven part, whereby the drive bushing is rotatable with said driven part when power is applied to said flange.

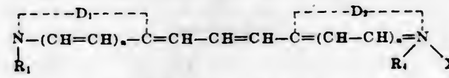
2,596,775
STORE BASKET AND CARRIAGE
Don G. Kasper, Shiner, Tex.
Application December 19, 1949, Serial No. 133,820
8 Claims. (Cl. 280—50)



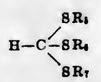
1. A store carriage comprising a wheeled frame having upright spaced side frame members, supports sustaining said side frame members in spaced relation, supporting rollers mounted on the lower end of said frame members, forwardly extending frame members mounted on the lower end of said frame members, supporting rollers mounted on the forward end of said forwardly extending frame members, upper and lower basket supporting members extending forwardly from said side frame members, said lower basket support member being pivotally mounted on said side frame members, and said upper basket support having a slip connection with said side frame member whereby said upper and lower basket support members may be tilted upwardly to telescope into other store carriages of like construction.

2,596,776
PRODUCTION OF CYANINE DYESTUFFS
John David Kendall and John Raymond Majer, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application February 27, 1947, Serial No. 731,400. In Great Britain March 1, 1946
4 Claims. (Cl. 260—240.1)

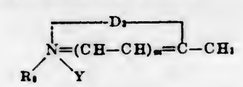
1. A process for the production of trinuclear dyestuffs which comprises mixing a substantially pure carbocyanine of the general formula:



where D_1 and D_2 are each selected from the class consisting of residues of 5-membered and 6-membered heterocyclic nitrogen nuclei, X is an acid radicle, R_1 and R_4 are each selected from the class consisting of alkyl and benzyl groups, and n is a cardinal number from 0 to 1, with a trithio orthoformic ester of the formula:

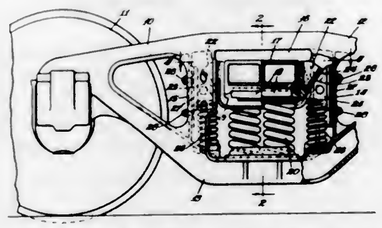


where R_5, R_6 and R_7 are each selected from the class consisting of alkyl and aralkyl groups, and with a compound of the general formula:



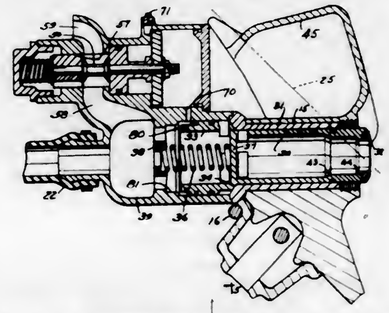
wherein D_3 is selected from the class consisting of residues of 5-membered and 6-membered heterocyclic nitrogen nuclei, R_3 is selected from the class consisting of alkyl and benzyl groups, Y is an acid radicle, and m is a cardinal number from 0 to 1, heating the mixture in the presence of an acid condensing agent whereby there are removed from the reaction medium the compounds R_5SH, R_6SH and R_7SH formed during the condensation reaction, and separating from the reaction mixture the trinuclear dyestuff formed.

2,596,777
LATERAL MOTION TRUCK
Charles P. Leese, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application October 4, 1946, Serial No. 701,388
5 Claims. (Cl. 105—186)



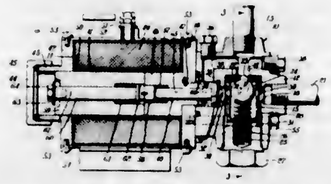
1. In a car truck having a bolster supported for movement transversely of the truck, the combination of a side frame formed with a window in which the bolster is movably supported, a roller bearing seat member removably mounted in the window of said frame and having, in its operative position, upwardly facing concave bearing seats, roller elements supported in said concave bearing seats to support the bolster, means including a part of the frame at one side of the longitudinal center vertical plane thereof defining an outboard surface on the frame, means including a part of the frame at the other side of said longitudinal center vertical plane defining an inboard surface on the frame, means defining outboard and inboard surfaces on the seat member engaging said outboard and inboard surfaces of the frame to retain the seat member in position in said window, and means located on the bearing seat member at opposite sides of a vertical center plane thereof for engaging portions of the frame at opposite sides of said longitudinal center plane for limiting the application of the bearing seat member to a predetermined operative arrangement within said window.

2,596,778
AUTOMATIC TRAIN PIPE CONNECTOR
Charles F. Lockhart, Cleveland, Ohio
Application August 21, 1947, Serial No. 769,963
3 Claims. (Cl. 284—5)



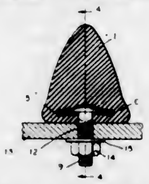
2. An automatic train pipe connector having a head with a fluid conduit extending therethrough for connection with a conduit equipped head of a mating connector, with the conduits in communication with each other, a main valve in said conduit to control the passage of fluid therethrough, means responsive to connection and disconnection of the connectors for opening and closing said main valve, a fluid passageway communicating with said conduit intermediate a pressure line and said valve, and having a vent to the atmosphere, an auxiliary valve to control the flow of fluid in said passageway to said vent, an auxiliary valve chamber therefor intersecting said passageway, a valve stem movably mounted within said chamber, said auxiliary valve comprising a pair of blocks disposed in fixed axial position one on either side of the stem's longitudinal axis and movable with the stem to block and unblock said passageway, means yieldably separating the blocks and holding them against the walls of said chamber, means in one valve block positioned adjacent the pressure line side of said passageway placing the chamber in constant communication with the pressure line, and means responsive to fluid pressure from the pressure line and conduit to move said valve stem in a direction to open and close said auxiliary valve in the passageway when the connectors are disconnected and connected respectively.

2,596,779
ELECTRIC CONTROL FOR BRAKE MECHANISMS
Marion M. McCoy, Newark, N. J.
Application April 2, 1946, Serial No. 658,901
4 Claims. (Cl. 137—139)



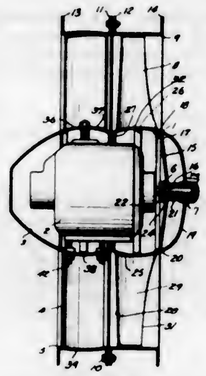
1. A control unit for a fluid brake system having a pressure-producing means and fluid actuated brakes, comprising a housing having an inlet adapted to be connected with a pressure-producing means and an outlet adapted to be connected with brakes, a cavity connecting said inlet and outlet, a one-way-acting check-valve in said cavity, a by-pass from said outlet to said inlet to permit return flow of fluid through said housing, a sleeve element, a control-valve embodied in said by-pass, comprising a valve-seat, a valve-member movable against said valve-seat to prevent the return flow of fluid through the by-pass and movable away from said valve-seat to open said by-pass, resilient means for moving said valve-member away from said valve-seat, and second means for moving said valve-member against said valve-seat, said second means including a core movable in said sleeve, a magnetic coil surrounding said sleeve and adapted when energized to cause said core to move in valve-closing direction, and resilient means carried by said core for engaging said valve-member whereby said valve-member is yieldingly held in contact with said valve-seat.

2,596,780
RESILIENT MEMBER AND FASTENING DEVICE THEREFOR
George L. Meyers, Willoughby, and John C. Shutt, Wickliffe, Ohio, assignors to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Ohio
Application July 9, 1947, Serial No. 759,864
19 Claims. (Cl. 267—63)



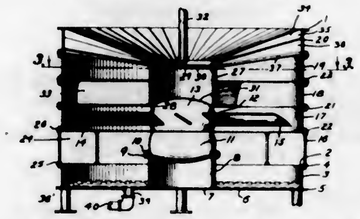
1. In combination, a resilient cushioning member and means for attaching the same to an apertured support, comprising a member of resilient deformable material having a T-shaped slot in one surface thereof with the stem of such T extending to such surface, and attaching means having a laterally extending head portion adapted to engage in the cross portion of such slot, a stem portion adapted to extend into such aperture, and means operative to secure said stem in such aperture, opposite edges of said head portion being turned downwardly to tightly engage said deformable member along the respective inner edges of such T slot when said stem is thus secured.

2,596,781
FAN
Robert D. Moore, Kansas City, Mo., assignor to The Moore Company, Kansas City, Mo., a corporation of Missouri
Application December 29, 1945, Serial No. 638,190
5 Claims. (Cl. 170—173)



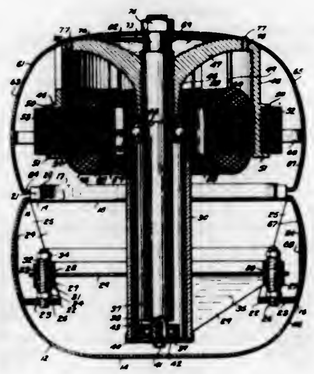
5. A fan including a sheet metal hub having a peripheral surface conforming in shape to the central belt of a sphere, a disc extending inwardly from an edge portion of the hub, sheet metal blades having their root ends spherically concave to correspond in curvature with said peripheral surface, means for fixedly securing the entire root ends of the blades to any selected spaced peripheral portions of the hub with the entire root end of each blade contacting the respective selected peripheral portion throughout so as to thus dispose the blades at any selected pitch angle relative to the axis of rotation of the fan.

2,596,782
APPARATUS FOR COOLING LIQUIDS
Robert D. Moore, Kansas City, Mo., assignor to The Moore Company, Kansas City, Mo., a corporation of Missouri
Application March 10, 1947, Serial No. 733,592
1 Claim. (Cl. 261—30)



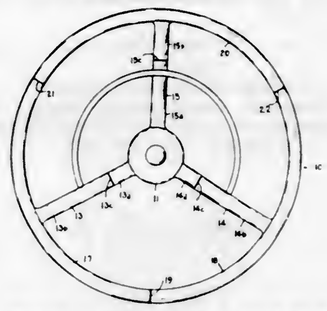
A device for cooling a liquid including a housing composed of a plurality of superimposed ring members having circumferential flanges at opposite edges with the flanges at one ring seated upon the flange of an adjacent ring, means connecting the flanges together with the uppermost ring forming an outlet, a liquid collecting pan below said housing, means supporting the lowermost ring of said housing in spaced relation above the pan to provide an annular air inlet, an impeller mounted within a lower ring and having blades projecting from a hub having a crowned upper surface above the blades and curving downwardly toward said blades, air guide vanes in an upper ring, means for supporting the impeller in said lower ring with the blades rotatable horizontally above the annular inlet and below the guide vanes for drawing air through the inlet and moving air upwardly for discharge through the outlet, a tube of slightly larger diameter than the hub and having support by the air guide vanes over said hub, means for delivering a liquid through said tube for distribution in small streams over the crowned surface of the hub for circumferential discharge from the crowned surface and into collision with the blades to impart velocity to the droplets of the liquid and maintain the droplets in motion with the air until the droplets lose the imparted velocity and drop in counterflow with the air between the impeller blades and into the water collecting pan.

2,596,783
ELECTRIC MOTOR FOR FANS
Robert D. Moore, Kansas City, Mo., assignor to The Moore Company, Kansas City, Mo., a corporation of Missouri
Application March 24, 1947, Serial No. 736,879
5 Claims. (Cl. 172—36)



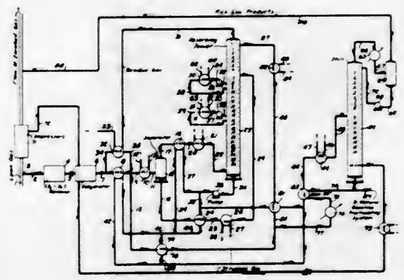
1. A fan including a stationary housing having an open side, a tubular mounting member, means supporting one end of the tubular mounting member in the stationary housing for projection of the other end through said open side, a motor stator mounted on the projecting end of the shaft, air ducts extending through said stator in spaced relation about said tubular mounting member, a shaft journalled in the tubular mounting member and having an end projecting therefrom, a rotor mounted on said shaft and having a circumferential series of arms extending parallel with said shaft and spaced radially therefrom, said arms being spaced apart to provide air passageways therebetween, a plurality of ring-shaped laminations mounted on said arms for forming an armature cooperating with said stator, a hub-like housing enclosing the rotor and having an opening registering with the opening of the stationary housing and spaced from said laminations to provide space in connection with space within the stationary housing and cooperating with the air ducts and said air passageways between the arms for circulation of air around said stator and armature to and from the supporting housing, and means connecting the hub-like housing with the rotor to rotate therewith.

2,596,784
SAFETY AUTOMOBILE STEERING WHEEL
Henry J. Nagin, Brooklyn, N. Y.
Application March 22, 1951, Serial No. 216,901
6 Claims. (Cl. 74—552)



1. A vehicle steering wheel, comprising a hub securable to the steering post of a driven vehicle, inner spoke sections rigidly connected with the hub and disposed in radial relation thereto, a circular rim having sections united to each other by breakable joints, and outer spoke sections axially bonded to the inner spoke sections by breakable joints and having rigid joint connection with the rim sections, said breakable joints serving to hold the rim and spoke sections in normal operative relation with each other and being capable of resisting normal steering thrusts imposed in the rotative operation of the steering wheel and being adapted to yield on each other only when the body of the driver is violently propelled against the steering wheel, and to then yield in the direction of the movement of the body of the driver.

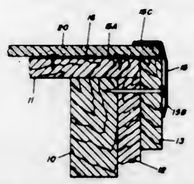
2,596,785
METHOD OF ENRICHING NATURAL GAS
Henry Meredith Nelly, Jr., and Thomas Edward Sullivan, Houston, Tex., assignors to J. F. Pritchard & Co., Kansas City, Mo., a corporation of Missouri
Application July 8, 1946, Serial No. 681,916
15 Claims. (Cl. 48—190)



1. A method of enriching the B. t. u. content of natural gas including contacting the gas with an absorbing liquid, cooling the mixture for effecting condensation of and solution in the absorbing liquid of a portion of the gas, separating

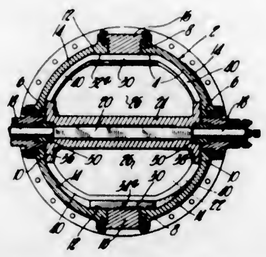
the liquid from the residue gas, additionally cooling the residue gas, passing the residue gas in counterflow with the liquid to effect further absorption of the methane and heavier constituents from the residue gas, and fractionating the liquid to obtain a gas fraction having a relatively high B. t. u. content.

2,596,786
ROOF CONSTRUCTION
James H. Norrid, Detroit, Mich.
Application November 28, 1947, Serial No. 788,742
2 Claims. (Cl. 108—26)



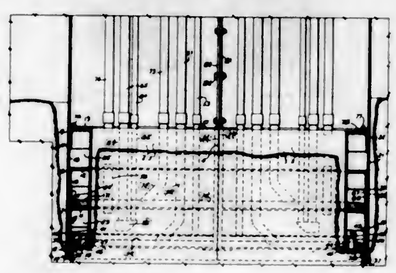
1. An element for use in the construction of roof edges, said element consisting of a strip of sheet metal bent along longitudinal lines to provide along one edge a substantially flat portion and along the other edge a substantially flat portion at a right angle thereto, and having the intermediate portion bent upwardly and then inwardly in the direction of the first flat portion to provide a rectangular recess one side wall of which is a part of the first flat portion and the bottom of which recess is located substantially at said angle, the first flat portion having an upstanding rib spaced from the edge thereof and from said recess.

2,596,787
BUTTERFLY VALVE
Harry Ottinger, McKeesport, and Edward B. Trayers, Duquesne, Pa., assignors to United States Steel Company, a corporation of New Jersey
Application November 2, 1945, Serial No. 626,340
7 Claims. (Cl. 251—11)



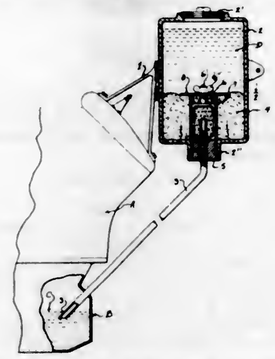
7. A valve comprising a tubular housing having a substantially smooth longitudinally extending inner surface, said housing having two pairs of equally spaced diametrically oppositely disposed substantially circular flat surface portions on the inner surface thereof, the interior of said housing providing arcuate connecting portions between said flat portions, said housing having bearing openings in said flat surface portions, the center of said openings being disposed in a plane transverse to the longitudinal centerline of said housing, one pair of said diametrically oppositely disposed flat surface portions having plug members in said bearing openings having inner surfaces in the same plane as the flat inner surface portions of said housing, a disc-like valve member having substantially circular hub portions disposed closely adjacent the other pair of said flat portions in said housing, said valve member being pivotally mounted on a shaft extending into the bearing openings in the adjacent flat surface portions of the housing, wear-resistant sleeve members disposed on said shaft adjacent each end thereof at the juncture of the flat portions of the housing and the valve member, said valve member having oppositely disposed flat and arcuate flanged connecting surfaces in cooperative sealing relationship with the like inner surfaces of said housing, the outer surfaces of said flanged surfaces being inwardly bevelled on both sides of the center thereof, the diameter of the flanged portion of the valve member being slightly larger than the interior of said housing whereby the diagonally opposite bevelled sides of said flange are adapted to seat on the smooth longitudinally extending inner surface of said housing.

2,596,788
COFFERDAM
Starling Perkins, Chouteau, Okla.
Application August 29, 1947, Serial No. 771,269
2 Claims. (Cl. 61—82)



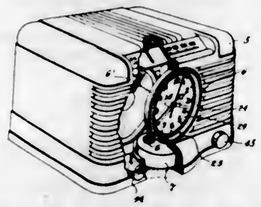
1. An apparatus of the character described including a wall forming a coffer-dam, said wall having inner and outer sheets and horizontally arranged connecting members spaced apart and interconnecting the inner and outer sheets to form separate inner compartments one above the other with the upper compartment being closed and the lower compartment having outlets in the outer sheet for discharge of pressure fluids from the lower compartment, means for supplying liquid under pressure to the lower compartment for discharge through said outlets to effect sinking of the wall in a soil formation, a flow connection between said compartments for supplying liquid to the upper compartment to add weight to the wall for facilitating sinking thereof, means within the lower compartment for cooperating with the inner sheet for forming a duct separate from the compartment and said inner sheet having apertures in direct connection with the duct, means for supplying a pressure medium to said duct means separate from the liquid supply means to retard flow of liquid tending to flow under said wall and into the coffer-dam, and means connected with the upper compartment for introducing air under pressure to said compartment for displacing said liquid to control sinking rate of the wall.

2,596,789
OIL FILTER FOR CRANKCASE SAFETY DEVICES
Victor D. Plantico, Manitowoc, Wis.
Application October 3, 1947, Serial No. 777,764
1 Claim. (Cl. 210—131)



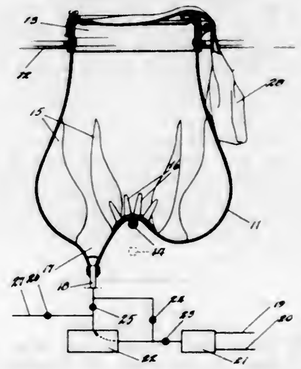
An oil filter of the type to be utilized in an auxiliary oil supply system for maintaining a level of oil in the crank case of internal combustion engines and to filter oil traveling to and from the crank case comprising, a reservoir above the crank case having an open bottom neck, a stopper for the neck, a pipe extending through the stopper and into the crank case, a skeleton bracket fixed to the stopper and extending above the upper end of the pipe, a perforated sleeve mounted upon the bracket and terminating above the bracket, a filter pad fitted about the perforated sleeve and extending outwardly to the outer walls of the reservoir, a threaded shank extending upwardly from the bracket and terminating above the sleeve, a compression washer mounted upon the shank and in abutting engagement with the pad and closing the upper end of the sleeve, and a nut in threaded engagement with the shank for securing the same to the washer.

2,596,790
RADIO CLOCK
Carl Punzmann, Ridgewood, N. Y., assignor to Bulova Watch Company, Inc., New York, N. Y., a corporation of New York
Application September 25, 1945, Serial No. 618,451
1 Claim. (Cl. 161—1)



An electric clock having a housing, comprising a synchronous electric motor mounted on one wall of said housing, clock mechanism having a circular dial mounted on another wall of said housing, a flexible shaft for translating motion from said motor to said mechanism, a circuit for the flow of electrical energy, a switch element in said circuit, a rotatable cam member for controlling said switch element, a circular member rotatable about said dial for manual operation to move said cam member in one direction to a selected position to open said switch and means operating after a time period to close said switch to cause a flow of electrical energy in said circuit.

2,596,791
WASHING MACHINE HAVING A NONRIGID CONTAINER
Henry J. Rand, Westport, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio, a corporation of Delaware
Application December 27, 1946, Serial No. 718,650
5 Claims. (Cl. 68—21)



1. A washing machine comprising a flexible container, means for distorting the shape of said container thereby producing a washing action, means attached to the inner surface of said container for preventing the materials being washed from gathering together in ball-like fashion, means for withdrawing water and air from within the container after the washing operation, and means for subjecting the washed materials to considerable pressure thereby removing the water absorbed by said materials.

2,596,792
METAL DOOR
Lowell V. Robinson, Detroit, Mich., assignor to Crawford Door Company, Detroit, Mich., a corporation of Michigan
Application June 21, 1946, Serial No. 678,268
1 Claim. (Cl. 189—46)



A metal door comprising a frame and a sheet metal facing on said frame, said frame including a pair of side members and a plurality of truss channels secured in spaced parallel relation between said side members, each of said truss channels having a solid web and an integral flange at either side of said web, said web and one of said flanges being inwardly deformed at longitudinally spaced points to provide at each point a pair of trapezoidal portions integrally joined at an apex line extending from an intermediate point on said web and inclined toward said one of said flanges, said portions having terminal edges in the plane

of the terminal edges of said flanges and defining a V-shaped notch, and said facing being deformed to provide integral elongated V-shaped projections complementary to and disposed in said V-shaped notches.

2,596,793

PROCESS FOR THE EXTRACTION OF VALUABLE CONSTITUENTS FROM UNEXPOSED OIL-BEARING SHALES NOT SPENT BY OXIDATION

Ernest J. Schabelitz, Rincon, Calif.

No Drawing. Application May 11, 1949, Serial No. 92,734
5 Claims. (Cl. 196—14)

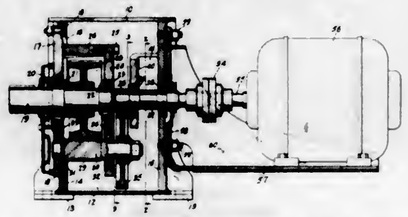
1. A process for the extraction of methylene chloride-soluble constituents from unexposed oil-bearing shale not spent by oxidation which comprises forcing methylene chloride at a temperature ranging from about 35° to 40.5° C. through said shale under pressure ranging from 100 to 1500 pounds per square inch for a period of time ranging from about one to five hours, sufficient to leach out the desired amount of the desired said constituents, separating the leached material from the resulting methylene chloride solution rich in said dissolved constituents, and recovering from the solution the said constituents dissolved therein.

2,596,794

SPEED REDUCER

Walter P. Schmitter, Wauwatosa, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application May 24, 1948, Serial No. 28,839
10 Claims. (Cl. 74—421)



1. In a gear set the combination of a housing having closure members at opposite ends thereof, a pair of spaced substantially parallel plates, each of said plates being carried by one of said members and spaced inwardly therefrom, a plurality of parallel shafts each journalled in one of said members and also journalled in the plate carried by the latter, intermeshing gears carried by said shafts between said last named member and plate, another shaft extending through and journalled in the other of said plates, and intermeshing gears respectively carried by said last named shaft and one of said first named shafts, said last named gears being disposed between said plates.

2,596,795

FAUCET CONSTRUCTION

Clinton W. Schulze, Detroit, Mich.

Application February 7, 1947, Serial No. 727,074
14 Claims. (Cl. 287—53)

3. A faucet including a rotatable stem having a transverse slot in one end thereof, a faucet handle including a hand grasping portion and a tubular portion having a recess therein adapted to receive said stem, inwardly projecting bosses formed on opposite sides of said handle recess, said bosses being received in opposite sides of said



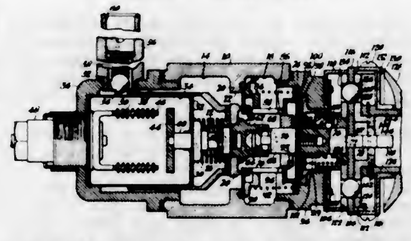
stem slot to provide a driving connection between said handle and said stem, and screw means for locking said handle against axial movement with respect to said stem.

2,596,796

SAFETY CONTROL FOR GASEOUS FUEL BURNERS

George B. Solovieff, South Gate, Calif., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware

Application January 14, 1947, Serial No. 722,004
10 Claims. (Cl. 137—139)



9. In a fluid control device, a casing having a fluid supply passage and inlet and outlet openings communicating therewith, a control valve member between said openings and biased to one controlling position, an armature operatively associated with said valve member, electromagnetic means cooperable with said armature for retaining said valve member in another controlling position, resetting means for moving said armature and said electromagnetic means relative to each other to establish an operative connection therebetween and set said valve member in said other position, and an annular diaphragm extending across said passage between said openings and being operatively engageable by said reset means and by said valve member in said one controlling position to interrupt communication between said openings, said diaphragm being yieldable during the resetting operation for maintaining said operative engagement and interruption of communication between said openings.

2,596,797

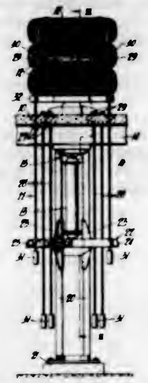
BUNDLE COMPRESSOR

Vernon L. Strohm and Eugene R. Kelly, Waukegan, Ill., assignors to United States Steel Company, a corporation of New Jersey

Application October 2, 1947, Serial No. 777,572
4 Claims. (Cl. 100—31)

2. An apparatus for compressing annular bundles of wire or rod comprising fluid pressure means adapted to be suspended beneath a floor and including a vertically reciprocable piston and a downwardly extending piston rod, a ram including a pair of right angularly related horizontal cross members fixed to the lower extremity

of said piston rod, said cross members having apertures in their end portions, a plurality of arcuately spaced ropes adapted to extend through apertures in the floor above said fluid pressure means and slidably received through the apertures in said cross members, stops on said ropes beneath said cross members, enlarge-



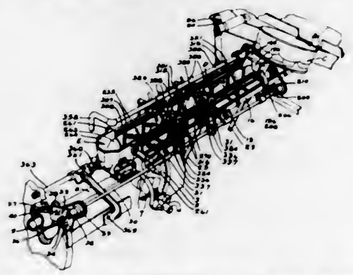
ments on the upper ends of said ropes, and bundle engaging means connected to said enlargements adapted to engage over the top of an annular bundle, the downward movement of said ram tensioning the ropes having their engaging means engaged with a bundle and thereby compressing the bundle.

2,596,798

APPARATUS FOR FEEDING AND ORIENTING PEARS

Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware

Original application January 3, 1945, Serial No. 571,146. Divided and this application July 19, 1947, Serial No. 762,190
26 Claims. (Cl. 198—33)



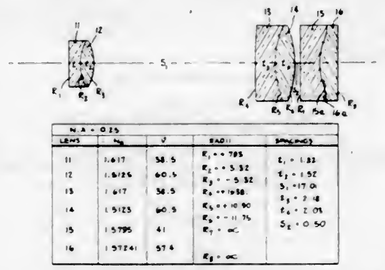
24. An apparatus for feeding and orienting pears comprising substantially horizontal parallel rolls spaced to form a trough having a pear receiving and discharge end, helically trending oppositely convoluted threads on said rolls disposed to form pockets in said trough traveling from the receiving end toward the discharge end thereof upon rotation of the rolls in opposite directions, each of said pockets being of sufficient length to accommodate a pear lengthwise therein, means associated with the rolls for effecting accelerated advancement of each pear at predetermined points of its travel along said trough, a belt intermediate said rolls and threads forming the bottom of said trough for supporting the stem ends of the pears, means for rotating the rolls in opposite directions with the threads traveling upwardly in said trough, each of said pockets being adapted to receive a pear dropped haphazardly therein at the receiving end of the trough for advancement of the pears in a single file and in spaced relation toward the discharge end thereof, whereby each pear is rolled and turned sidewise in its respective pocket during its travel along said trough until the stem end of the pear is disposed in leading position therein in engagement with said belt, means for moving said belt in the direction of travel of and relative to said pears for maintaining the pears with their stem ends in leading position, means at the discharge end of the trough for receiving the pears stem end first and for disposing them stem end down therein, and means for operating said receiving means for discharging the pears stem end down in timed intervals therefrom.

2,596,799

ABERRATION CORRECTOR MEMBER FOR IMAGE FORMING OPTICAL OBJECTIVES

Edgar D. Tillyer, Southbridge, Mass., and Alva H. Bennett, Kenmore, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application June 27, 1947, Serial No. 757,348
14 Claims. (Cl. 88—57)



N.A. = 0.25				
LENS	n_d	ν	RADII	SPACINGS
11	1.617	36.5	R_1 = + 7.95	S_1 = 1.32
12	1.6125	60.5	R_2 = + 5.32	S_2 = 1.52
13	1.617	36.5	R_3 = − 5.32	S_3 = 17.01
14	1.5123	60.5	R_4 = + 1.58	S_4 = 2.18
15	1.5795	41	R_5 = + 10.90	S_5 = 2.05
16	1.57241	57.6	R_6 = − 11.76	S_6 = 0.50
			R_7 = ∞	
			R_8 = ∞	

ASPHERIC SURFACE						
$X = -0.00000\,8\,478\,Y^4 + 0.00007\,9485\,Y^6 - 0.00003\,7548\,Y^8 +$						
Y	1.0	2.0	2.5	3.0	3.5	4.0	4.5
X	+0.00070	+0.00366	+0.01078	+0.03575	+0.05636	+0.05405	+0.05088

6. A corrector member for use with an image-forming optical system having refractive components of predetermined optical properties and being well corrected for distortion, coma, astigmatism and spherical aberration, said corrector member being adapted to be disposed adjacent a stop-point of said system and arranged to materially reduce the residual spherical aberration with color of said system, said member comprising at least a pair of adjacent corrective optical elements formed of transparent media having substantially the same predetermined indices of refraction and having predetermined reciprocal relative dispersions which differ materially from one another, said corrective elements being arranged to be placed in axial alignment relative to the refractive components of said system, said corrective elements having adjacent surfaces normally fixedly secured together so as to form an optical interface therebetween, said interface being aspherically curved in accordance with the residual spherical aberrations with color of said system and in accordance with the difference between the reciprocal relative dispersons of the

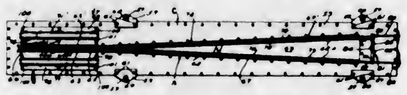
elements forming said interface so as to provide a corrective optical member which will function cooperatively with the refractive components of said system to materially reduce the residual spherical aberration with color of said system without materially altering the well corrected distortion, astigmatic and coma characteristics of said system.

2,596,800

METHOD AND APPARATUS FOR DRYING CONTAINERS

Wells A. Webb, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware

Application August 5, 1947, Serial No. 766,295
9 Claims. (Cl. 34—21)



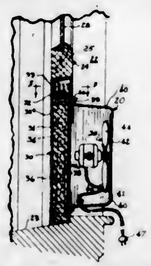
1. The method of drying the peripheral surface of a wet container, which comprises directing the apex of a pair of diverging sheets of air against the peripheral surface of said container at a point intermediately of its opposite end walls, said sheets of air being of sufficient force to displace water droplets adhering to said surface, effecting relative movement between said sheets of air and said container in a direction substantially perpendicular to its center axis and substantially within the symmetrical plane of said sheets, and rotating said container about its center axis.

2,596,801

VENTILATOR MECHANISM

Carl John Wilhelmi, Chicago, Ill.

Application December 3, 1946, Serial No. 713,634
2 Claims. (Cl. 261—97)



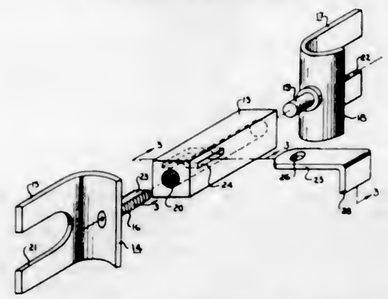
1. In a ventilator mechanism comprising a ventilator body having an opening at each side and provided with air filter means and arranged to permit the flow of air therethrough, a liquid container carried by the top portions of the body and having a slotted aperture disposed in the central regions of the lower wall thereof, means comprising two wicks having end portions extending through said slotted aperture and into said liquid container respectively at each side of the central regions thereof while the balance of each of said wicks is arranged to extend downwardly and diagonally within the air filter means and into the path of the flowing air, said wick means being arranged to absorb the liquid within the container and convey the same along its entire length into the path of the flowing air where said liquid may be absorbed into said air, and lever means including a stationary member carried by said body and disposed adjacent said slotted aperture, said lever means being arranged for manual operation to compress portions of said wick means against said stationary member whereby to restrict and prevent the liquid from being conveyed into the path of flowing air by said wick means, said body having mechanical means whereby air will be caused to be drawn through the ventilator body and into the room sought to be ventilated.

2,596,802

LOCK DEVICE

George William Will, Cleveland, Ohio

Application August 7, 1947, Serial No. 767,292
1 Claim. (Cl. 70—230)



A lock for an outboard motor having spaced mounting screw means with engagement portions, comprising a lock body portion having a threaded opening, a first locking member having a prong portion and a stud portion, said stud portion having threads thereon to threadably engage said threaded opening of the lock body, said prong portion being adapted to engage the engagement portion of one mounting screw means in an interfitting manner to prevent rotation of the screw means, said body having a lock slot intersecting said threaded opening, said stud portion of the first locking member having a lock engagement surface, and lock strip means adapted to extend through said lock slot and engage said lock engagement surface to hold said first locking member and body portion against relative rotation, a second locking member carried by said body and adapted to engage the engagement portion of another mounting screw means in an interfitting manner to prevent rotation of the screw means, said body being rotatable relative to said threaded stud of the first locking member to thereby force said first and second locking members apart and into tight engagement with said spaced mounting screw means, and being lockable by said lock strip against reversal to release the mounting screw means.

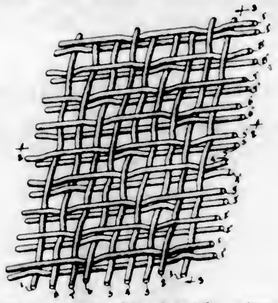
2,596,803

WOVEN FABRIC

Charles D. Williamson, Fort Worth, Tex., and George Fuller, New Rochelle, N. Y., assignors to Williamson-Dickie Manufacturing Co., Fort Worth, Tex., a corporation of Texas

Application August 7, 1947, Serial No. 767,308
5 Claims. (Cl. 139—383)

2. A woven cotton fabric for work clothes comprising face warps having floats on the face of the fabric and back warps having longer floats on the back of the fabric, said face and back warps being arranged in superposition, said back warps having crimps between said longer floats adjacent crimps between the floats of correspond-



ing face warps and alined with crimps in contiguous face warps.

2,596,804

METHOD FOR THE PREPARATION OF DIACYL CYANIDES

Alan E. Ardis, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 5, 1950, Serial No. 199,351
7 Claims. (Cl. 260—465.4)

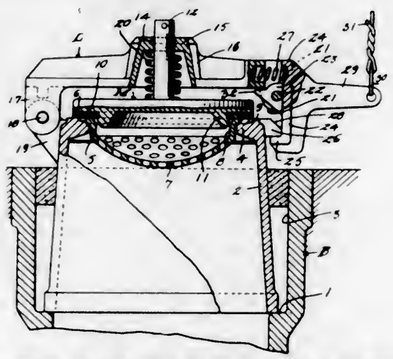
1. The method which comprises bringing together a carboxylic acid anhydride and hydrogen cyanide in the vapor phase in the presence of an absorptive contact material and a tertiary amine catalyst, whereupon chemical reaction occurs between said carboxylic acid anhydride and said hydrogen cyanide, thereby to obtain a diacyl cyanide.

2,596,805

CELLAR DRAIN VALVE

Olin E. Banker, Wilkes-Barre, Pa.

Application November 21, 1944, Serial No. 564,454
1 Claim. (Cl. 137—69)



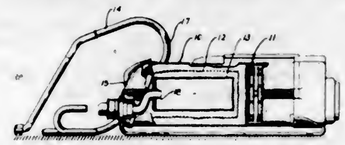
A valve of the character described, comprising a tapered circular body open at its upper and lower ends, means at said open upper end forming a valve seat, a concavo-convex strainer disposed within said upper open end and having an encircling supporting lip, the said upper open end of the body having an annular recess to receive said strainer lip, said lip having its upper side disposed flush with the surface of the said upper open end, a flat valve member above the said upper open end of the body at the outer side of said annular recess, an annular flange on the underside of said valve member disposed in the upper side of said strainer, a gasket encircled about said flange and seated on the said upper open end of the body and the flush surface of the said strainer lip, a lever disposed across the open end of the body to overlie the valve member, pivot means between one end of the lever and the body, cooperating means between the other end of the lever and the body for releasably coupling the lever with the body, a pin carried by the valve member and extending through the lever, and a spring interposed between the valve member and the lever and encircling said pin.

2,596,806

VACUUM CLEANER DUST BAG

Leon P. Borkoski, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware

Application January 18, 1946, Serial No. 641,992
5 Claims. (Cl. 183—51)



1. A disposable dust bag for separating and collecting dust from the air stream of a suction cleaner having an inlet tube, said bag having a body of relatively porous flexible material and having a relatively stiff end portion provided with an aperture for the reception of the inlet tube of the cleaner, said aperture being of a size substantially less than the size of the end of the bag and substantially conforming in size to that of the exterior of the inlet tube which it is adapted to receive, means for providing a relatively tight joint between such inlet tube and the end of the bag about the aperture when the inlet tube is inserted in said aperture and to obstruct the aperture when the inlet tube is removed, said means comprising elastic sheet material disposed across said aperture and providing a substantially self-closing opening adapted to accommodate and be displaced by said inlet tube when it is inserted into said aperture to provide communication through the tube with the interior of the bag, said sheet material being adapted to return to its normal position across said aperture upon removal of the inlet tube from the aperture.

2,596,807

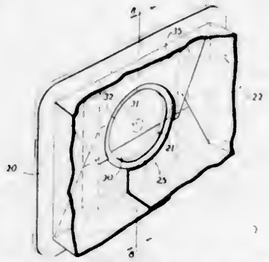
SELF-SEALING BAG FOR SEPARATING DUST FROM AN AIR STREAM

Muriel C. Dippel, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware

Application April 5, 1949, Serial No. 85,491
7 Claims. (Cl. 183—51)

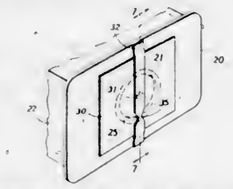
1. A container of flexible material having a plurality of pairs of side walls, material forming an extension at one end of each side wall being folded at right angles to the respective wall when the container is in extended condition to form an end portion, an end plate member of relatively stiff material secured to said end portion, said plate member and end portion having an aperture communicating with the interior of said container, means for closing the aperture in said plate member, said closing means comprising a

first sheet of elastic material having an aperture in its surface, and an additional sheet of elastic



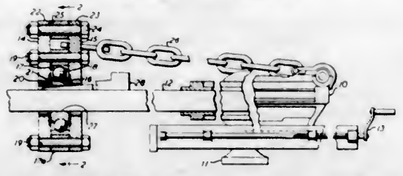
material forming a sealing flap for said aperture in said closing member.

2,596,808
SELF-SEALING RECEPTACLE FOR SEPARATING DUST FROM AN AIR STREAM
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application April 6, 1949, Serial No. 85,797
10 Claims. (Cl. 183—51)



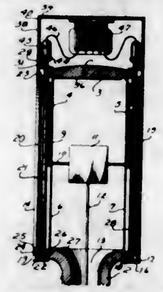
1. A seal for a dust container comprising a bag having a stiff plate member, an opening in the plate member, a stretchable and elastic material extending across the opening, an aperture in the elastic material of normally less diameter than said opening, and a flexible strip member secured at at least one end to the outer side of said plate member and extending over the outer side of said aperture and insertable therethrough to provide a closure therefor.

2,596,809
DRILL REMOVER
François P. Bouchard, Timmins, Ontario, Canada
Application June 7, 1951, Serial No. 230,289
3 Claims. (Cl. 255—36)



1. A drill steel pulling device comprising a casing, a bearing assembly mounted within said casing having an inner race, an outer race, and roller bearings between said two races to permit relative rotation therebetween, said outer race being rigidly mounted within said casing, said inner race being formed with a through opening for sliding engagement over a drill steel and mounted for rotation with respect to said casing, a wedge for co-operation with said opening of said inner race formed to bind said inner race to a drill steel, a puller chain, said casing being formed for connection to said puller chain.

2,596,810
APPARATUS FOR ILLUMINATION OF SCALE DIALS
Charles Burkhart, Kansas City, Mo.
Application February 23, 1949, Serial No. 77,963
1 Claim. (Cl. 240—2.11)

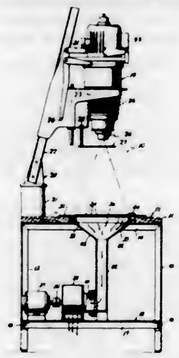


Apparatus for illumination of weight scale dials comprising, a bezel having a peripheral flange one edge of which is adapted to extend over the side edge of a scale case in engagement with the periphery thereof, an annular flange extending inwardly from the other edge of the peripheral flange and spaced from said side edge of the scale case, said peripheral flange having spaced openings therein, a transparent face member secured to the annular flange in engagement with the surface thereof adjacent the scale case to close the opening formed by said flange, means for securing the bezel to the scale case, an annular tubular light engaging the inner surface of the peripheral flange and supported between the transparent face member and the scale case whereby the annular flange and transparent face member are between the light and an observer, said tubular light having spaced parallel ends terminating in outwardly directed portions in the plane of the tubular light and extending through the openings in the peripheral flange, said outwardly directed portions having terminals thereon, a housing having top, side and end walls, said end and side walls of the housing having lower edges conforming to the outer contours of the bezel and scale case respectively, a transformer including a primary and secondary in the housing, an angle member in the housing and on one of the end walls, spaced parallel receptacles mounted on the angle member in alignment with the spaced openings in the peripheral flange for receiving the terminals of the tubular light end portions therein in electrical contact, electric conductors connecting said receptacles to the secondary of the transformer, and means securing said housing to the bezel for supporting said housing on the bezel exteriorly of the scale case whereby the bezel, light and housing may be mounted for illuminating the scale dials without disturbing weighing mechanism in the scale case.

2,596,811
EASEL FOR PHOTOGRAPHIC ENLARGERS
Orlyn M. Carlson, Chicago, Ill.
Application January 7, 1949, Serial No. 69,665
1 Claim. (Cl. 88—24)

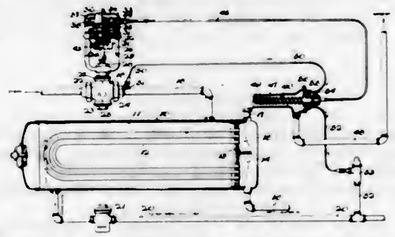
In a combination photographic enlarger and easel bench, a work surface lying in a horizontal

plane, supporting frame members for said work surface, said frame members and said work surface providing a base for said photographic enlarger whereby said photographic enlarger may be positioned in overlying relationship with respect to said work surface and oriented with respect thereto, a platform spaced from and below said work surface and supported on said supporting frame members, a vacuum pump and a driving motor therefor supported on said platform, a vacuum duct connecting said vacuum pump to an opening in said work surface, a foraminous plate resting upon said work surface and overlying said opening to provide a plurality of vacuum openings for holding a photo-sensitive paper to said foraminous plate and beneath said



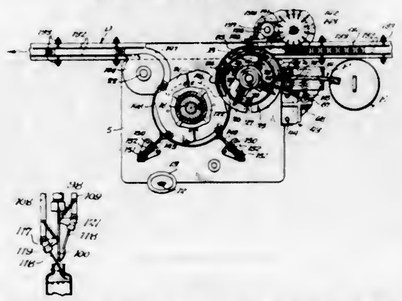
photographic enlarger for exposure thereof, a freely orientable guide overlying said foraminous plate for guiding said photo-sensitive paper and for closing a portion of the openings in said foraminous plate to increase the vacuum pressure on said photo-sensitive paper, said freely orientable guide consisting of a pair of L-shaped members capable of movement relative to each other to define a rectangular frame over said foraminous plate, one of said L-shaped members having legs in abutting relationship with a pair of contiguous edges of said photo-sensitive paper, the other of said L-shaped members being disposed in non-overlapping relationship with respect to the photo-sensitive surface of said photo-sensitive paper, whereby the image being projected on said photo-sensitive paper may extend to the edges thereof.

2,596,812
WATER HEATER CONTROL
William W. Carson, Jr., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application March 2, 1949, Serial No. 79,257
7 Claims. (Cl. 236—18)



1. In a temperature control for a water heater of the type including a shell, a water inlet and a water outlet associated therewith, inlet means for conveying steam thereto, a valve for controlling said inlet means and a thermostat for operating said valve including a bulb, the combination of a housing for said bulb communicating with said water outlet and having an outlet therefrom, and a heater for said bulb disposed in said bulb housing between the outer wall of said bulb and the inner wall of said housing and communicating with said inlet means at the outlet side of said valve for conveying steam into proximate heat transfer relation to said bulb.

2,596,813
MATERIAL INSERTING MACHINE
Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application April 9, 1947, Serial No. 740,391
9 Claims. (Cl. 226—19)

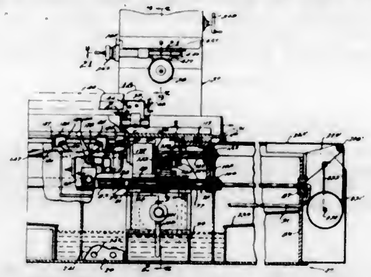


9. In a machine for inserting individual lengths of fibrous material into the necks of bottles, a main frame, means supported on said main frame for feeding a continuous strand of fibrous material, a continuously rotating transfer wheel located adjacent said feeding means and adapted to support the free end of said strand after it leaves said feeding means, strand-clamping means carried by said transfer wheel, the feeding movement of said feeding means being interrupted at periodic intervals whereby successive individual lengths of fibrous material will be broken therefrom and supported on said transfer after successively presented free ends of said strand have become engaged by said clamping means and during the interrupted intervals of said feeding means, a continuously rotating turret supported on said main frame and located adjacent said transfer wheel, means carried by said turret for effecting the removal of the individual lengths from said transfer wheel and the insertion thereof into the necks of successively presented bottles, means for releasing said clamping means prior to removal of its clamped individual strand length from said transfer wheel, means for successively presenting a series of bottles to said turret in properly timed relation, and continuously operating means for withdrawing successively packed bottles from said turret.

2,596,814
HELICAL SPLINE GRINDING MACHINE
James L. Jessup, Detroit, Mich., assignor to Colonial Broach Company, Warren Township, Mich., a corporation of Delaware
Application February 24, 1949, Serial No. 78,211
19 Claims. (Cl. 51—95)

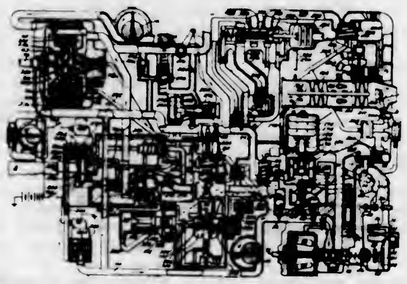
1. A grinding machine including a reciprocable work table, means for reciprocating said work

table, a lead bar element, a lead bar nut element threadedly connected with said lead bar element for rotation relative thereto, means rotatably supporting said lead bar element, means connecting said reciprocating means to one of said elements so that movement of said reciprocating means rotates said one element, a work indexing head having a rotatable spindle on said



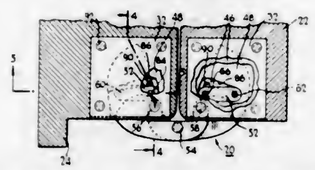
table, means connecting said indexing head spindle to said one element so that rotation of said element rotates said spindle, actuatable double acting backlash means connected with the other of said elements and including means normally retaining said other element against rotation, and means for actuating said blacklash means to cause rotation of said other element so as to remove backlash between said other element and said indexing head spindle.

2,596,815
GAS TURBINE FUEL CONTROL HAVING BOTH A NORMAL SPEED AND AN EMERGENCY CONTROL
Leonard W. Kell, Wayne, Mich., assignor to George M. Holley and Earl Holley
Application April 29, 1949, Serial No. 90,444
12 Claims. (Cl. 60—39.28)



2. In a manually controlled normally operating governor control for a gas turbine combined with an emergency control system, the combination including a normally operating governor controlled fuel supply valve and an emergency manually controlled fuel supply valve, an automatically operated selector valve and control means therefor to substitute the manually controlled fuel supply for the governor controlled fuel supply whenever the governor controlled valve fails to furnish sufficient fuel to permit the turbine to attain the speed for which the governor is manually set, said selector valve and control means therefor comprising a spring loaded servomotor valve, a third manually controlled means for varying the spring load on said valve, a speed sensitive hydraulic device driven by said turbine which controls a variable hydraulic pressure indicative of speed, means whereby the spring load on said servomotor valve is balanced against said variable hydraulic pressure, a spring loaded slave valve, passages connecting said slave valve to said servomotor valve, passages connecting said slave valve to said selector valve whereby said slave valve acts as a servomotor valve to said selector valve, hydraulic means for holding said slave valve in the position into which it is moved when it moves the selector valve into the position in which the governor controlled valve is rendered inoperative and in which the manually controlled valve becomes operative, means for operating said third manual control means simultaneously with the first manual control which controls the normally operating governor and with the second manual control which controls the emergency fuel supply.

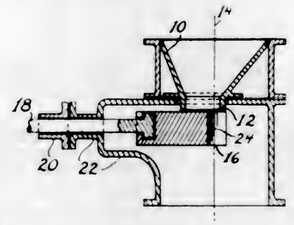
2,596,816
HINGE
Nathan L. Lieberman, New York, N. Y.
Application March 1, 1949, Serial No. 79,011
6 Claims. (Cl. 16—164)



2. A link type concealed hinge comprising a pair of butts, two sets of load-carrying links interconnecting the butts, a fixed pivot interconnecting the proximate ends of the load-carrying links of one of said sets to one of said butts, a fixed pivot interconnecting the proximate ends of the load-carrying links of the other of said sets to the other of said butts, the distal ends of each of the load-carrying links of each set being slidable within the butt other than that to which it is fixedly pivoted, the load-carrying links of one set crossing, being juxtaposed to and being slidable on the load-carrying links of the other set, means to pivotally interconnect the crossing portions of the load-carrying links of one set to the load-carrying links of the other set between the butts, means to guide the movement of the distal ends of the load-carrying links of each set so that the butts are pivotally movable with respect to one another, means forming part of each butt to individually slidably support in that butt the distal end of each load-carrying link fixedly pivoted in the other butt, and means forming part of each butt to individually slidably support in that butt the end of each load-carrying link fixedly pivoted in said butt, whereby said load-carrying links transmit vertical thrust from one to the other of the butts through the means slidably supporting the ends of the load-carrying links.

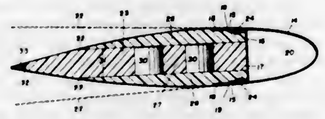
2,596,817
SLIDE VALVE
James E. McGovney, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 10, 1944, Serial No. 562,861
1 Claim. (Cl. 251—51)

A valve structure, comprising a valve body having substantially coaxial inlet and outlet portions, a transverse partition separating said portions, a passageway of smaller diameter than the outlet portion extended through said partition in eccentric relation to the common axis of said inlet and outlet portions, and in peripherally spaced relation to the inner walls thereof, a flow diverter element, including a skewed, hollow, conical portion, having a base end, opening from said inlet portion and an apex end opening toward said passageway substantially concentric therewith, and a tubular, discharge end extension portion communicating with said apex end and extended coaxially through said partition passageway to terminate within said valve outlet



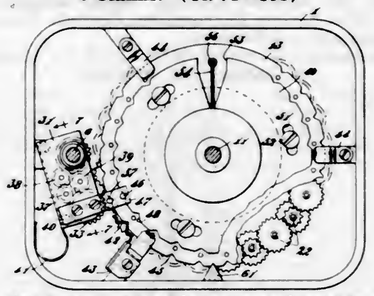
portion in longitudinally spaced relation to said partition, said extension portion providing for substantially straight line flow into said outlet portion, and a slide valve member disposed within said valve outlet portion, for movement transversely thereof slidably to engage the discharge end of said diverter extension portion, to close the discharge end of said diverter extension portion from the side of said portion and of the passageway which is farthest removed from the axis of said valve inlet and outlet portions, and reversely to open said discharge end.

2,596,818
ROTOR BLADE
Donald N. Meyers, Philadelphia, Pa., assignor, by mesne assignments, to Piasecki Helicopter Corporation, Morton, Pa., a corporation of Pennsylvania
Application May 8, 1947, Serial No. 746,742
2 Claims. (Cl. 170—159)



2. A rotor blade comprising in combination, an airfoil including a rigid hollow spar portion forming the nose section of the blade and a lightweight trailing portion, said latter portion including a core of cellular plastic of desired airfoil shape and a sheet of metal having its forward edge secured to said spar and being adherent to all of the area of each face of the core, said sheets being of insufficient rigidity to be self-supporting under load, said core being composed of seasoned laminae of said plastic adhesively secured together, the outer laminae being imperforate to provide maximum surface for adhesion to said sheets and the remainder being provided with a plurality of relatively large through perforations to reduce the weight, said core being machined to airfoil shape after assembly of the laminae.

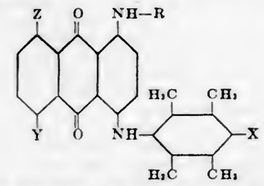
2,596,819
CHANGE-SPEED APPARATUS
William P. Murphy, Jr., Dover, Mass., assignor to Harvard Apparatus Company, Inc., Dover, Mass., a corporation of Massachusetts
Application July 13, 1951, Serial No. 236,586
9 Claims. (Cl. 74—353)



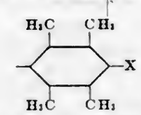
1. Apparatus of the character referred to comprising a carrier movable along a predetermined path through a succession of operative positions, drive gears mounted in a row at successive locations along said carrier to rotate about adjacent axes, means for rotating the gears at the different locations at different speeds, a rotor gear adjacent the path of movement of said drive gears when the carrier is moved so that a drive gear meshes with the rotor gear in each operative position of the carrier, an actuator for moving the carrier from one operative position to another and a lost-motion connection between the actuator and carrier so that the initial movement of the actuator is relative to the carrier, and means responsive to said initial movement for disengaging said drive and rotor gears.

2,596,820
2,3,5,6,TETRAMETHYL ANILINO ANTHRAQUINONES AND METHOD OF MAKING THE SAME
James Ogilvie, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 13, 1949, Serial No. 87,342
12 Claims. (Cl. 260—374)

1. As new compositions of matter, the anthraquinone dyestuffs having the following general formula:



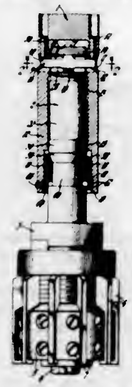
wherein R represents a member selected from the group consisting of hydrogen, alkyl and the radical



each X represents a member selected from the group consisting of hydrogen and a sulfo group, and Y and Z each represent a member selected

from the group consisting of hydrogen and NH—R wherein R has the same significance as above.

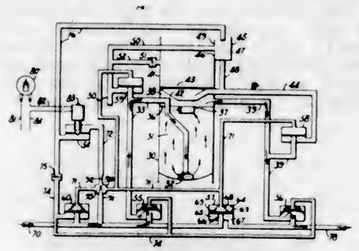
2,596,821
ANTICHATTER FLOATING TOOLHOLDER
Albert W. Parkins, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 18, 1949, Serial No. 82,205
10 Claims. (Cl. 279—16)



2. In a floating toolholder, a supporting sleeve, a tool carrier having a shank extending longitudinally into the sleeve and provided adjacent its extended end with a generally square section head, said head having corner faces obliquely disposed to its side faces, each of said corner faces having its opposite end portions tapering inwardly toward the shank axis from an intermediate part-cylindrical portion concentric with said axis, said intermediate portions each being relatively small in area and in radial bearing relation with the adjacent inner surface of the sleeve, said head having a cylindrical opening extending transversely therethrough, a pin extending through said opening and fixed at its respective ends to the sleeve, said pin having a relatively short cylindrical portion intermediate its ends journaled in said opening and oppositely disposed parallel portions forming continuations with said cylindrical portion adjacent each side thereof, said parallel portions being laterally disposed from and symmetrical with the longitudinal axis of the sleeve, said pin having oppositely disposed parallel flat surfaces adjacent each side of said cylindrical portion, said flat surfaces being normal to the sleeve axis and providing relief from the otherwise cylindrical contour of the pin to accommodate limited rocking of the shank relative thereto in the plane of the pin and sleeve axes, and an elastically yieldable bushing for biasing the shank into alignment with the sleeve, said bushing being disposed between the shank and sleeve at a substantial distance axially from said pin.

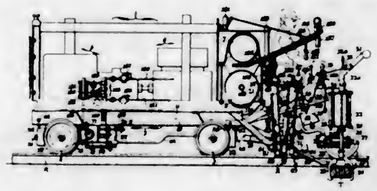
2,596,822
APPARATUS FOR TREATING WATER
Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application March 3, 1949, Serial No. 79,389
7 Claims. (Cl. 210—24)

1. A water treating apparatus comprising a tank for ion exchange material, a flow connection leading to one end of said tank, another flow connection leading to the other end of said tank, a pressure operated valve in each of said flow connections, each of said valves including a pressure chamber, a hydraulic suction producing device having an inlet, an outlet and a suction connection, said inlet being adapted for permanent



connection with a source of water under pressure, means establishing permanent communication between said suction connection and said pressure chambers, passage means leading from said outlet to a point of atmospheric pressure, a pilot valve in said passage means, and means for opening and closing said pilot valve.

2,596,823
RAILWAY TRACK SERVICING APPARATUS
William Richardson, Edgewood, Pa.
Application June 4, 1949, Serial No. 97,232
19 Claims. (Cl. 104—2)

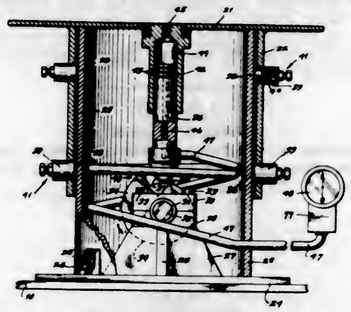


1. In railway track servicing apparatus, a wheeled car adapted for mobility on the track rails; a crane arm extending forwardly from one end of the carriage; tie grasping tongs suspended from a transverse axis pivot at the distal end of the crane arm; means for lowering and raising, and for opening and closing the tongs; means for swinging the tongs upwardly to an angular position about the pivot clear of the track when the apparatus is to be propelled relatively long distances from one locality to another on the rails; and means for locking the tongs in such angular position.

2,596,824
FILLING AND WEIGHING DEVICE FOR BINS
Carl William Scott, Kirkland, Wash.
Application December 20, 1948, Serial No. 66,159
7 Claims. (Cl. 249—60)

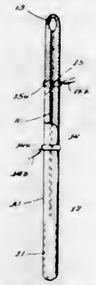
2. A filling and weighing device for a bin comprising a fixed support; a reciprocable bin supporting scale platform for supporting said bin, movable upwardly to lift said bin, and movable downwardly to drop on said fixed support; scale platform moving means; weight responsive means; and weight responsive operating means connecting the weight responsive means with the scale platform when said scale platform is carried

by said scale platform moving means, and disconnecting the weight responsive means from said



scale platform when said platform is not supported by the scale platform moving means.

2,596,825
MERCURY COLUMN THERMOSTATIC SWITCH
William M. Smith, Wheaton, and Benjamin F. Freeberg and Alva W. Tharp, Chicago, Ill., assignors to Vapor Heating Corporation, Chicago, Ill., a corporation of Delaware
Application February 17, 1949, Serial No. 76,954
4 Claims. (Cl. 200—141)

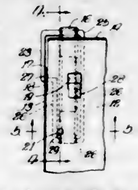


4. A thermostat of the liquid column type comprising a glass tubular body formed with a small central bore for housing a liquid column of electro-conductive material, and a metallic electrical conductor in the form of a wire having a smooth lateral surface embedded in the wall of the tube and extending entirely across the tube and communicating with the central bore thereof, a portion of the wall of said bore adjacent the wire and lying at one side of its transverse center being turned outwardly into contact with the curved lateral surface of the wire, whereby a substantial area of said smooth lateral surface of the metallic conductor communicates with said bore for making electrical contact with said liquid column.

2,596,826
METHOD FOR THE PREPARATION OF 1-ACETOXY-1,1-DICYANO ETHANE
Floyd D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 5, 1950, Serial No. 199,352
6 Claims. (Cl. 260—465.4)

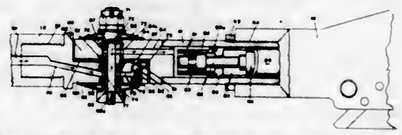
1. In the method which comprises passing reactants consisting of ketene and hydrogen cyanide in the vapor phase over an activated alumina, maintained at a temperature of 200° to 500° C., whereupon chemical reaction occurs between the ketene and hydrogen cyanide to form 1-acetoxy-1,1-dicyano ethane, the improvement which consists in carrying out the reaction in the presence of a tertiary amine.

2,596,827
CORNER TRIM
Roy A. Stone and Robert M. Whittom, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application December 22, 1948, Serial No. 66,786
7 Claims. (Cl. 189—46)



5. As an article of manufacture, a corner coverpiece of the character described comprising, a piece of sheet-like material formed to provide a long wall and a short wall joined together along one side edge of each to provide a V-shaped portion at one end of the wall pair with an end portion of the long wall extending longitudinally for a substantial distance beyond the corresponding end of the short wall and provided with a peripheral inturned flange, one of said walls being curved concavely on the inside of the V-shaped portion throughout substantially the entire length thereof, and a hook-like projection carried by said end portion and projecting rearwardly therefrom for securing the article to a member of the character described.

2,596,828
APPARATUS FOR MOVING PIPE
Albert L. Stone, Redondo Beach, Los Angeles, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 13, 1949, Serial No. 98,740
13 Claims. (Cl. 214—1)



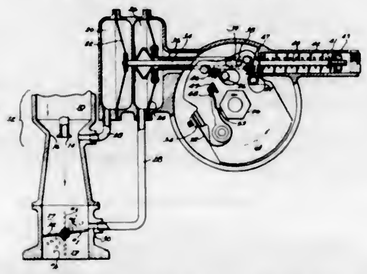
4. A device adapted for grasping and releasing an object having a cylindrical surface comprising, in combination, an elongated member defining a first passageway, a hook assembly comprising a tubular member defining a second passageway, said hook assembly being mounted on a free end of said elongated member, a first element fixed with respect to the tubular member defining a first end with the surface thereof substantially parallel with the axis of the tubular member and laterally displaced away from the outer surface of said tubular member, a movable member mounted for arcuate movement about an axis perpendicular to that of the tubular member and having a second end adapted to be moved toward and away from said first end, a hinged joint in said tubular member defining a third passageway

fluidly communicating with first and second passageways, and pressure releasing means fluidly communicating with said third passageway.

2,596,829
WAX COMPOUND AND METHOD OF MAKING
Ralf B. Trusler, Dayton, Ohio, assignor to The Davies-Young Soap Company, Dayton, Ohio, a corporation of Ohio
No Drawing. Application May 26, 1949, Serial No. 95,562
1 Claim. (Cl. 106—10)

In a composition for polishing and filling the combination consisting essentially of a montanic acid ester of ethylene glycol forming a wax of an acid number of from 20 to 50 and a petroleum solvent with a flash point between 50° and 90°, said wax being present in the amount of about 4% on the weight of the composition and dissolved in said solvent to the extent of not less than 10% and not more than 20% of the wax, the balance of the wax being retained in finely divided suspension in the solvent as a settling filler.

2,596,830
IGNITION DEVICE
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application January 12, 1949, Serial No. 70,529
4 Claims. (Cl. 123—117)



1. An internal combustion engine ignition system comprising a main air passage for said engine, an air entrance thereto, a streamlined restriction in said entrance, an air outlet passage, a throttle valve therein, a first chamber, a first moving wall therein, a passage from said first chamber to the air entrance at the throat of said restriction, a second chamber, a second moving wall therein, a second passage from the air outlet passage at a point in said outlet where, when the throttle is closed, the passage is in communication with atmospheric pressure and as the throttle is opened it is gradually transferred to the suction on the engine side of said throttle, a spark timing advance plate, a circuit breaker mechanism mounted therein, two springs connected to said plate at one end, two fixed anchors connected to the other ends of said springs so that said springs oppose the movement of said plate in the spark advancing direction, one of said springs being made initially active to oppose the spark advance, the other having clearance so as to become active immediately after the plate begins to move away from its retarded position, a first rod connecting the first moving wall to said plate, a second rod connecting the second moving wall to said first rod through a one way connection, a third spring engaging with the second rod after the second rod has been moved by the two moving walls, a predetermined limited movement away from the extreme retarded position, a fourth control spring arranged to engage with said second rod when said second rod is in its extreme spark retarded position, said fourth control spring being relatively much weaker than said third control spring.

2,596,831
NAIL PULLER
Joshua S. Whitmoyer, Watsontown, Pa.
Application January 19, 1949, Serial No. 71,684
2 Claims. (Cl. 254—23)



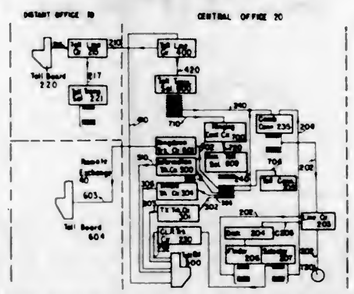
1. A nail puller comprising a pair of shanks, means pivoting said shanks to each other, members fixed to one pair of ends of said shanks for engagement beneath a nail head, said shanks having tapered sides for engagement with a clawed tool and having tool claw accommodating surfaces in planes parallel to the axis of said pivot means, hammering surfaces at the opposite pair of ends of said shanks, and said members being narrower than said shanks and having sharp leading edges for penetration of the material having the nail therein.

2,596,832
CORE BARREL
Edward B. Williams, Jr., Greenville, Tex.
Application March 7, 1949, Serial No. 79,988
10 Claims. (Cl. 255—72)



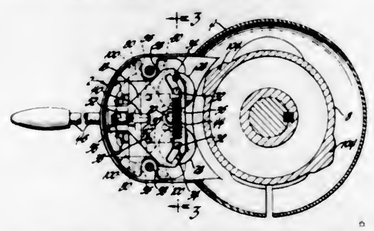
1. A core barrel including outer and inner barrels with the inner barrel being movable coaxially within the outer barrel, a contractable core catcher carried by the inner barrel, means carried by the outer barrel to effect contraction of the core catcher upon downward movement of the inner barrel within the outer barrel, means connected with the outer barrel for supplying a drilling fluid under pump pressure, pressure actuatable means connecting the inner barrel with the outer barrel and responsive to pump pressure of the drilling fluid for supporting the inner barrel from said downward movement, and choke means carried within the outer barrel and movable with the inner barrel to maintain substantially uniform pump pressure of the drilling fluid on said pressure actuatable means.

2,596,833
TOLL SWITCHING TELEPHONE SYSTEM
Harvey W. Balzer, Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application September 24, 1947, Serial No. 775,818. Divided and this application July 13, 1949, Serial No. 104,513
7 Claims. (Cl. 179—27)



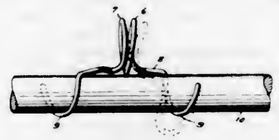
1. In a telephone system including an operator position, a trunk line, and means controllable from said operator position for transmitting digits over said trunk line, an automatic switch connected to said trunk line and comprising a wiper set of the primary-secondary-motions type, a plurality of groups of outgoing trunks accessible to said wiper set, means responsive to a digit transmitted over said trunk line from said operator position for effecting primary movement of said wiper set to select any one of said groups of outgoing trunks, means for initiating secondary movement of said wiper set to search for an idle outgoing trunk in said selected group, a set of switch springs operated by a predetermined primary movement of said wiper set, means governed by operation of said set of switch springs for returning during the secondary movement of said wiper set a delay digit signal over said trunk line to said operator position, and means responsive to finding by said wiper set of an idle outgoing trunk in said selected group for arresting the secondary movement of said wiper set and for connecting said trunk line to said last-mentioned outgoing trunk so that a further digit transmitted over said trunk line from said operator position is transmitted over said last-mentioned outgoing trunk.

2,596,834
DIRECTION SIGNAL SWITCH
Edward L. Barcus, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 14, 1949, Serial No. 104,655
13 Claims. (Cl. 200—59)



1. A direction signal switch for automotive vehicles adapted to be mounted adjacent the steering wheel thereof for manual operation from a neutral to an indicating position and for automatic operation to said neutral position from said indicating position in response to rotation of said steering wheel comprising a housing with upper and lower openings therein, a triangular pivot plate mounted for limited rotary movement therein, a circular dog slidably mounted at each of two ends of said pivot plate for movement in directions outwardly along paths diverging from the center of radius of said steering wheel, axial pins extending upwardly from one side of said dogs, a spring connecting the ends of said pins and yieldingly urging said dogs toward each other, an operating arm attached to and extending outwardly from said pivot plate through an aperture in the wall of said housing for rotating said pivot plate in either a clockwise or counterclockwise direction to place one of said dogs in the path of a dog ear associated with said steering wheel, detent means for indexing said pivot plate in either its neutral or operating positions, a double throw switch having its operating arm in engagement with said pivot plate for actuation thereby and cover plates for said upper and lower openings of said housing.

2,596,835
SNAP-ON LINE GUIDE FOR FISHING POLES
Cleave Raymond Benge, Benkelman, Nebr.
Application August 18, 1949, Serial No. 110,913
1 Claim. (Cl. 43—24)

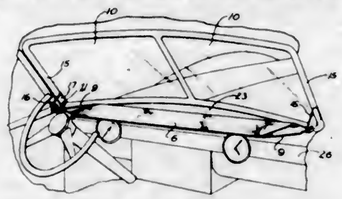


A yieldable snap-on-line guide for fishing poles comprising a length of resilient wire material bent intermediate its ends providing continuous coils, the side faces of the coils being disposed substantially vertically, a portion of one of the coils extending below an adjacent coil for contact with the pole on which the guide is positioned, the end portions of the wire material of which the coils are formed, being extended inwardly and downwardly and then outwardly from the coils at oblique angles across the upper surfaces of the pole, said laterally extended portions engaging the pole at the outer ends of said portions only, and hooks formed at the extremities of the laterally extended portions adapted to hook under the pole securing the line guide in position.

2,596,836
GLARE SHIELD
Louis R. Bruhl, Chicago, Ill.
Application September 27, 1950, Serial No. 187,029
2 Claims. (Cl. 160—362)

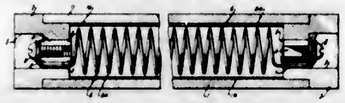
1. In a glare shield, a sheet of flexible material of greater length than width, elastic members mounted along the side edges of said sheet, a pair of yokes disposed at opposite ends of said sheet and having their ends connected to the ends of said elastic members, said yokes being disposed in substantially the same plane as said sheet, a pair of pivot elements having hook portions engaging the medial portions of the respective yokes, a pair of brackets securable in

spaced relation adjacent the instrument panel of an automobile, and means for pivotally mount-



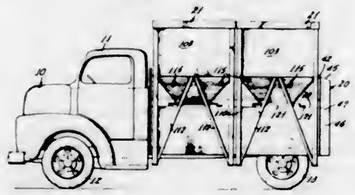
ing said elements on the respective brackets to rotate said sheet about its longitudinal axis.

2,596,837
HEATER ELEMENT
Gresham Calvert, Aptos, Calif.
Application September 29, 1950, Serial No. 187,547
6 Claims. (Cl. 201—67)



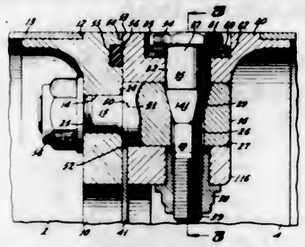
1. A heating element comprising: a glass envelope; electric terminals mounted in said envelope and extending therethrough; and an electric resistance element mounted within said envelope, and connected to said terminals, one surface of said envelope being coated with a layer of a compound selected from the group consisting of silica and silicon carbide.

2,596,838
BULK DELIVERY SYSTEM FOR DROP DELIVERY BINS
George P. Carver, Northridge, and Philip L. Pike, Van Nuys, Calif.
Application June 30, 1950, Serial No. 171,276
6 Claims. (Cl. 214—75)



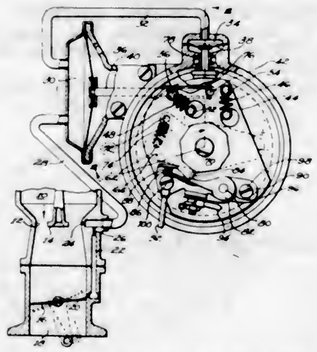
1. A system for the prepacking and placement of gravity delivery bins comprising the combination of a plurality of similarly constructed bins including an elevated hopper, a delivery port in the hopper and means providing a longitudinally disposed aligning structure extending centrally throughout the length of the bin, a power truck for lifting and transporting said bins comprising a chassis and a bin support thereon, said bin support comprising aligning structure disposed longitudinally and throughout the length of a carrying body of the truck and complementary to the aligning structure of the bins, and a power lift device cooperable with the bin support and the chassis adapted to lift the bin support into engagement with the bins thereby to align said bins wherever located on the truck and elevate the bins from the ground for transportation.

2,596,839
FLUIDTIGHT DETACHABLE COUPLING FOR TANK SECTIONS
Albert P. Clausen, Los Angeles, Calif.
Application January 23, 1950, Serial No. 140,129
7 Claims. (Cl. 220—75)



2. A tank comprising adjoining sections fitting together, each of said sections terminating in a ring having an annular face, the face of one of said rings fitting against the face of the ring of said adjoining section, a plurality of spaced studs carried by one of said rings, said studs extending parallel to each other and to the axis of their ring, each of said studs having a tapered bore extending radially of their ring, the ring of said adjoining section having spaced bores in which said studs fit, the ring of said adjoining section having a radial bore intersecting each of said spaced bores, a nut at one side of each of said radial bores, each of said radial bores at its outer end opening into an enlarged recess at the outside of the ring, a bulkhead having an outer edge fitting between said adjoining rings for clamping thereby, a seal groove in one of said rings outwardly of said spaced bores in which said studs fit, a packing in said seal groove in position to be compressed by the face of the adjoining ring, a bolt for each of said radial bores, each of said bolts having threads for one of said nuts as well as a tapered portion for the tapered bore in the associated said stud, each of said bolts having a head fitting inside of one of said recesses, and a fluid seal for the outer end of each of said bolts.

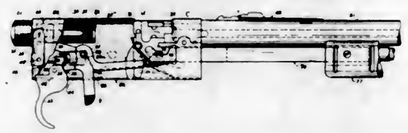
2,596,840
ELECTRICAL IGNITION CONTROL
Clifford Colvin, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application February 11, 1950, Serial No. 143,717
3 Claims. (Cl. 123—117)



1. In an ignition system for an internal combustion engine having the usual Venturi air inlet

and a throttle downstream of the venturi, the ignition system being of the type in which the circuit breaker mechanism is mounted on a yieldably restrained partially rotatable plate and in which there is a movable wall connected to the plate and responsive to the suction in the venturi when the throttle is wide open and to the suction downstream of the throttle when the throttle is moved from wide open into a partially open position, said wall acting in opposition to the spring to advance the ignition by rotating the plate, the improvement which comprises an ignition drive shaft, a hollow cam rotatably mounted on the ignition drive shaft and engaging with the breaker mechanism, the ignition drive shaft projecting through the cam, a drive plate rigidly locked in the drive shaft, a driven plate rigidly locked to the hollow cam, spring means normally holding the drive plate and driven plate so as to rotate as one, a friction brake engaging with the rotating edge of the driven plate, a vacuum chamber, a second moving wall associated therewith and connected to the friction brake, a spring acting to oppose the vacuum so as to apply the brake whenever the vacuum falls below some predetermined value, a passage leading from this vacuum chamber to a point downstream of the throttle, a high tension distributor arm mounted on and driven by the projecting extension of said ignition drive shaft, and in which the passage from the vacuum chamber terminates at a point on the atmospheric side of the throttle only when the throttle is in the idling position and this passage is immediately transferred to the suction side of the throttle the moment the throttle is moved slightly away from its idling position.

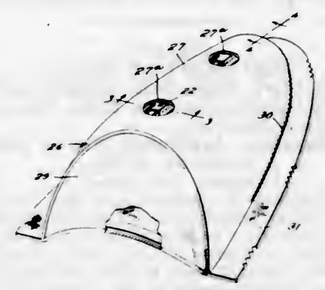
2,596,841
RIFLE WITH INTEGRAL BREECH BOLT AND MAGAZINE
Robert G. Davidson, Chicopee Falls, Mass., assignor to Noble Manufacturing Co. Inc., Haydenville, Mass., a corporation of Massachusetts
Application December 20, 1949, Serial No. 134,015
10 Claims. (Cl. 42—17)



1. In a magazine rifle, a breech-bolt receiver, a rifle barrel fixed thereto, said receiver having a longitudinal passage with a front top opening and having an abrupt rear shoulder for said opening, a breech-bolt slidable longitudinally and swingable vertically in said passage and opening, a magazine tube fixed to said breech-bolt and swingable therewith, and a manual operating member effective to give said breech-bolt and tube assembly successive forward and upward movements to firing position.

2,596,842
SHOULDER FRAME
Jeannette L. Despres, Los Angeles, Calif.
Application March 29, 1950, Serial No. 152,653
2 Claims. (Cl. 2—268)

1. A shoulder lift for a garment, comprising an elongated frame structure having a high inner end and tapering in height and width toward the outer end, means at the inner end of the frame for adjusting the height of the same comprising a transverse base bar forming a part of the frame, a longitudinal top bar secured at its outer end to a base portion of the frame, an arch piece at the inner end of the frame and having the inner



end of said top bar secured thereto, said arch piece having bendable side portions resting upon said base bar, and means carried by and projecting upwardly from the base bar adjacent to each end against the inner sides of which the end portions of said arch piece are engaged.

2,596,843
FRACTURING FORMATIONS IN WELLS
Riley F. Farris, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application December 31, 1949, Serial No. 136,395
23 Claims. (Cl. 166—21)

3. A method of increasing the productivity of a formation penetrated by a well, comprising disposing in a confined zone in said well adjacent said formation a low-penetrating fluid having a viscosity greater than 30 centipoises at 20° C. applying a pressure to said fluid sufficient to fracture said formation and to displace at least a part of said fluid into said formation, contacting said low-penetrating fluid and a solvent therefor in an amount and for a time sufficient to reduce substantially the viscosity of the liquid in said passages and thereby prevent clogging of said passages and withdrawing the liquid of reduced viscosity from the passages by removing liquids from said well.

2,596,844
TREATMENT OF WELLS
Joseph B. Clark, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application December 31, 1949, Serial No. 136,394
23 Claims. (Cl. 166—21)

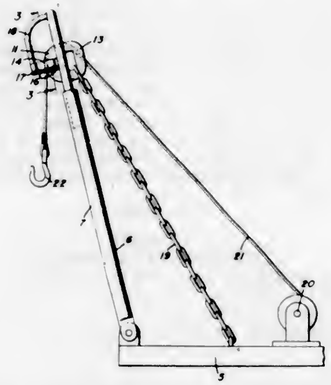
1. A method of increasing the productivity of a formation penetrated by a well through fracturing the formation, which comprises introducing into said well a fracturing medium containing as essential constituents a low-viscosity hydrocarbon liquid and a hydroxy aluminum soap gel-forming material, said soap being in sufficient amount when mixed with said liquid to produce a fracturing medium possessing a viscosity of at least about 200 centipoises, pumping said fracturing medium into a confined zone in said well adjacent said formation, pumping additional liquid into said well after said fracturing medium, until a fracture in said formation is in-

dicated said additional liquid including a gel breaker for said fracturing medium, continuing pumping liquid into said well to displace at least part of said fracturing medium and at least part of said gel breaker into said fracture, whereby the viscosity of said fracturing medium is substantially reduced, and thereafter producing said well.

2,596,845
TREATMENT OF WELLS
Joseph B. Clark, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
No Drawing. Application May 28, 1948, Serial No. 29,932
3 Claims. (Cl. 166—21)

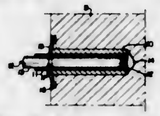
1. A method of determining the fluid productivity of a formation in a well comprising the steps of isolating a section of the well to be tested from other portions of said well, disposing a gelled oily liquid in said section, subjecting said liquid to a pressure equal to the formation breakdown pressure to produce a fracture in said section and force said liquid thereinto, reducing the viscosity of said liquid in said fracture by contacting said liquid with a gel breaker therefor for a prolonged period of time, decreasing the hydrostatic head on said section to produce well fluids from said isolated section to the exclusion of well fluids from other portions of said well, and determining a characteristic of the produced well fluids, said section at all times being maintained isolated from said other portions of said well.

2,596,846
PORTABLE CRANE
Julius Z. Feigelson, Beaumont, Tex.
Application August 18, 1949, Serial No. 110,941
1 Claim. (Cl. 254—139)



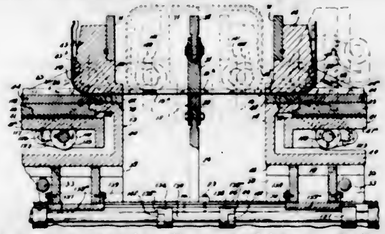
A hoist comprising a boom, an A-shaped sheave frame forming the upper end of the boom and including a cross bar, a sheave journaled on the cross bar, bracing webs connected to the upper end of said frame and projecting inwardly from each side of the frame and centering the sheave on the cross bar, shafts connected to said cross bar and projecting forwardly from the cross bar at each side of the sheave, rollers on the shafts, and hangers connected to and extending downwardly from the upper portion of the frame and supporting the shafts.

2,596,847
SIGNAL DEVICE FOR INDICATING OVERHEATED BEARINGS AND THE LIKE
Russell D. Finnell, Orange, Tex.
Application October 18, 1950, Serial No. 190,793
9 Claims. (Cl. 200—142)



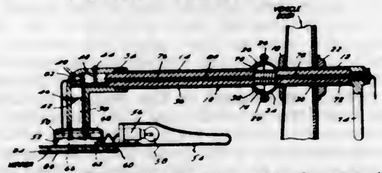
1. A signal device for indicating an overheated metal bearing and the like, wherein the bearing structure has a cylindrical hole extending into metal of said bearing structure, at least the inner end of said hole being in heat conducting relation to a portion of said bearing which may become overheated, said device comprising a sleeve formed of fusible metal and disposed within said hole, said hole having a counterbore at the outer end and the outer end of said fusible sleeve extending into said counterbore; an insulating bushing within said fusible sleeve, the inner end of said bushing extending to a point adjacent the inner end of said sleeve; an insulated wire extending within said bushing, the inner end of said wire being spaced from the inner end of said hole and also spaced from said sleeve; and an outwardly bowed, annular washer disposed in said counterbore, said washer being driven into said counterbore until its outer edge engages said counterbore, and its inner surface engages said fusible sleeve, whereby said sleeve is compressed into sealing engagement with the wall of said hole.

2,596,848
SINGLE AND MULTIPLE BEND TANGENT BENDING MACHINE
Lee B. Green, Lakewood, Ohio
Application February 28, 1950, Serial No. 146,903
13 Claims. (Cl. 153—46)



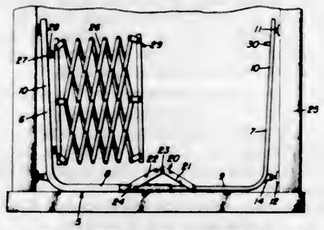
1. In a metal bending machine, a stationary frame, a pair of cooperating dies adapted to receive and clamp therebetween a workpiece to be bent and one of which dies is an anvil die, a wing having a die carrier supported thereon for translatory movement relative thereto, a bending die mounted on said die carrier, means mounting said wing on said frame for swinging movement for causing rocking of said bending die relative to said anvil die for bending the workpiece around the latter, means for imparting said swinging movement to said wing, means pivotally mounted on said wing and having an operative thrust-transmitting connection with die carrier for imparting said translatory movement thereto, and reaction thrust linkage having one end thereof anchored on said frame and its other end connected with such pivotally mounted means for applying thrust to the latter in response to the swinging of said wing.

2,596,849
ROTATABLE TURN INDICATING SIGNAL
Alphus Greene, Twin Falls, Idaho
Application June 8, 1950, Serial No. 166,794
3 Claims. (Cl. 177—327)



1. A signalling device for attachment to a vehicle comprising an elongated tubular arm adapted to be extended through a vehicle door, means on the arm for clamping engagement with opposite sides of the door, an angular extension on the outer end of the arm, a head on the angular extension remote from the arm, a shaft mounted in the arm to rotate about the longitudinal axis thereof, a handle on the shaft adjacent the inner end of the arm for rotating said shaft, a shaft mounted in the angular extension to rotate about the longitudinal axis thereof, intermeshing bevel pinions on the shafts adjacent the junction of the angular extension and the arm, a disk carried by the second mentioned shaft adjacent the head, said disk being rotatable with said shaft, and an artificial hand carried by the disk and extending radially therefrom for indicating the intentions of the driver of the vehicle.

2,596,850
ADJUSTABLE GATE SUPPORT
Cleo D. Griffin, Havana, Ill., assignor of fifty per cent to Cecil Griffin, Sr., Havana, Ill.
Application October 18, 1950, Serial No. 190,681
6 Claims. (Cl. 160—368)



1. A gate support comprising a pair of L-shaped members adapted for mounting in a passageway, and means adjustably connecting the lower horizontal ends of said members to each other in a spreading movement to force the vertical ends of said members against the opposing sides of the passageway.

2,596,851
CUTTER BLADE
John Hansen, Bettendorf, Iowa
Application February 27, 1950, Serial No. 146,497
15 Claims. (Cl. 146—129)

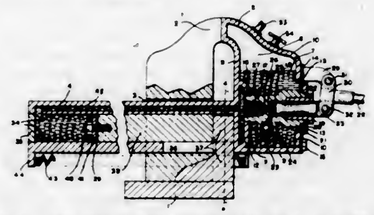


1. A cutting blade, comprising: an elongated, relatively thin body having a back edge, a cutting edge, and opposite, generally parallel sides; said cutting edge being scalloped lengthwise thereof to provide a series of alternate peaks and valleys, said peaks lying on a line parallel to the back edge and within the plane of one of the sides; said sides extending from the back edge toward the cutting edge and terminating in a zone intermediate said back edge and said peak line, and the valleys extending from said peak line toward said back edge to a depth short of said zone; opposite, primary beveled faces extending throughout the length of the body and respectively adjoining the sides of the body along straight lines and converging therefrom toward said peak line and gradually thinning out the thickness of the body between said zone and the cutting edge, said faces meeting at the peaks to provide said peaks with sharp cutting points; and a secondary beveled face along the profile of each valley and extending from one cutting point to a neighboring cutting point, and further merging with the primary beveled face at one side of the valley and converging toward and meeting the opposite primary beveled face to provide on said valley a sharp cutting edge portion contiguous with said neighboring cutting points.

2,596,852
PERMANENTLY FLAVORED CHEWING GUM BASE
Robert Heggie, Garden City, N. Y.
No Drawing. Application July 14, 1950, Serial No. 173,948
13 Claims. (Cl. 99—135)

1. A chewing gum base comprising masticable ingredients and a permanently flavored masticable ingredient which is a copolymer of vinyl acetate with a flavored compound containing an ethylenic bond.

2,596,853
HYDRAULIC VISE HAVING RESERVOIR, PUMP, AND CYLINDER CARRIED BY MOVABLE JAW
Julmer Helstrom, Cook, Minn.
Application June 8, 1950, Serial No. 166,827
1 Claim. (Cl. 81—17.2)



As a new article of manufacture a vise consisting of a fixed jaw, a movable jaw, a stem extending from said movable jaw through said fixed jaw, said movable jaw being hollow to provide a fluid reservoir, a hydraulic pump installed in said reservoir below the level of fluid therein, means on said movable jaw for operating said pump, said stem having a bore within same, said bore having its outermost end closed, a bumper piston in said bore, a stop for said piston, said stop being secured to said fixed jaw, said stem having a slot therein adjacent the inner end thereof to receive said stop, and a channel in said stem connecting said pump with the outermost end of said bore for applying fluid pressure be-

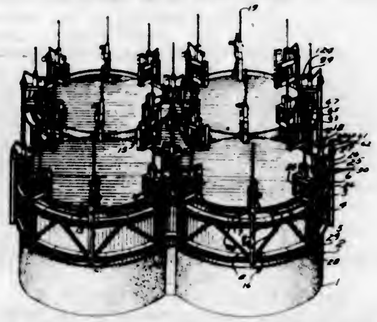
tween said closed end of said bore and said piston therein to move said movable jaw towards said fixed jaw.

2,596,854

APPARATUS FOR RAISING AND LEVELING FORMS FOR WALLS OF CONCRETE STRUCTURES

John M. Jack, Mission, and Gordon H. Webb, Kansas City, Kans., and Louis H. Jefferson, Kansas City, Mo., assignors to Double J Manufacturing Company Inc., Kansas City, Kans., a corporation of Kansas

Application November 7, 1949, Serial No. 125,928
4 Claims. (Cl. 25—131)



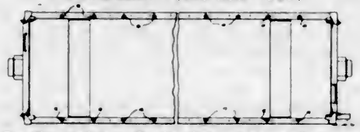
4. In combination, a concrete form, a plurality of frames spaced along the form and adapted to be secured to the walls of the form, a plurality of spaced columns supported in the concrete in said forms and extending upwardly therefrom, each of said frames having one of said columns extending through the upper portion thereof, levers pivotally mounted on each of the frames adjacent the upper portion thereof for oscillation about the horizontal axes extending substantially through the vertical center of the respective columns, said levers extending rearwardly from the respective columns, vertically spaced upper and lower jaws sleeved on the respective columns below the respective lever arms and adapted to grip said columns in response to tilting of the jaws, push arms spaced rearwardly from the respective columns and having ends seating on the lever and one of the respective jaws, push arms spaced forwardly of the respective columns and having ends seating on the respective levers and other jaws, means resiliently urging the push arm ends into seating engagement with the lever and jaws, means on the frames for resiliently urging the jaws upwardly to tilt same about the ends of the respective push arms engaged therewith and into tilted engagement with the respective column, a motor and speed reducer adjacent each of the frames, cranks driven by said speed reducer, means connecting the respective cranks with the respective levers remotely of the respective columns whereby rotation of the cranks oscillates the levers and effects further tilting of the jaws and intermittent gripping of the columns thereby for slowly and substantially continuously moving the frames vertically relative to the columns during the cycle of oscillation of the levers, a liquid receptacle on one of the columns and adapted for independent vertical movement thereon, float chambers on each of the frames, means connecting the liquid receptacle with each of the float chambers for flow of liquid thereto, a switch for each of the motors for controlling supply of electric current thereto for operating said motors, floats in the respective float chambers and responsive to the level of the liquid therein for actuating the respective switches, and means for adjustably mounting the float chambers on the respective frames whereby all of the floats are on the same level and raising of the liquid receptacle will raise the level of liquid in the float chamber to operate the respective switches to energize the motors for simultaneous movement of the frames vertically relative to the columns, the vertical movement of the frames causing a receding of the level of liquid in the respective float chambers whereby the respective switches are independently actuated to stop the respective motors and the vertical movement of the frames when said vertical movement of each of said frames corresponds to the amount the liquid receptacle was raised.

2,596,855

LADING STRAP FASTENING MEANS

Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Application January 20, 1950, Serial No. 139,598
4 Claims. (Cl. 105—369)



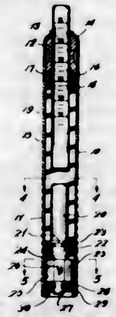
1. Lading strap fastening means for open top railroad freight cars comprising a base or retainer member adapted to be fixedly secured to the car wall and provided with diametrically spaced attaching portions having outwardly flaring sides, while the body portion on its lower face is formed to provide a central socket; and a straight sided link whose one side is arranged between the attaching portions, and beneath the body portion of the retainer, said link side intermediate its ends having an enlarged spherical portion arranged to seat in said socket of the retainer and permit angling of the link.

2,596,856

TIRE PRESSURE GAUGE

Harry W. Krohn, Jr., Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application November 29, 1949, Serial No. 129,885
1 Claim. (Cl. 73—419)



In combination with an elongated tubular casing adapted to be used as an air gauge casing and to contain and slidably support a gauge bar for extension therefrom at one end of the casing and having a piston in said casing operatively associated with the gauge bar, a block mounted in

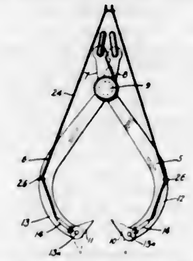
said casing adjacent the other end thereof and having surface portions engaging said casing and surface portions spaced from said casing and forming therewith air passages extending the length of said block and communicating with the interior of said casing, said block being provided with a centrally disposed pin on the end of the block toward said other end of the casing, a perforate washer on said end of the block and surrounding said pin, and a flexible washer on the outer side of said felt washer and provided with an opening through which said pin extends with a clearance therebetween, said other end of said casing being circular in cross section and said block being polygonal in cross section and having its corners formed concentrically to the interior of said other end of said casing to tightly interfit the same with a pressed fit while its straight sides are spaced from the interior of said casing and form therewith the air passages which extend the length of the block and place the outer end of the block in communication with the interior of the casing.

2,596,857

TONGS HAVING RELEASABLE LOAD ENGAGING TINES

Edward Kupka, Buckley, Wash.

Application May 22, 1950, Serial No. 163,469
2 Claims. (Cl. 294—118)



1. In combination with a skidding tong having legs interconnected intermediate their lengths and having recessed grooves at the load receiving end portions of the tong legs; tines pivotally connected with the load-receiving end portions of said legs, each of said tines having a recess in an edge portion thereof, each of said recesses being movable into registration with one of said recessed grooves in said tong legs; lug means slidably mounted in each of said recessed grooves in said tong legs and of a size to slidably interfit a recessed groove in a tong leg; resilient means resiliently urging said lug means into said recesses in said tines when said recesses are in registration with said recessed grooves; and resilient means connected with said tines urging said tines toward load-engaging position.

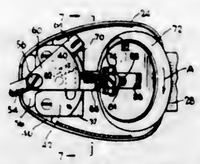
2,596,858

SIGNAL CONTROL DEVICE

Sol H. Lapidus, Brooklyn, N. Y., assignor to U. S. Metal Products Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 12, 1950, Serial No. 161,691
7 Claims. (Cl. 200—59)

7. A self-cancelling mechanism adapted to be used in connection with a signal control device that includes a switch having an operating element which is movable between a neutral position and two operative positions, one on each side of neutral position, and which element is biased to neutral position from both operative positions, said device further including a pivoted operating lever for actuating the operating element: said self-cancelling mechanism comprising a rotatable element adapted to operatively engage a rotatable steering element, a pair of resilient elements, means to mount said resilient elements for joint rotation about the axis of rotation of the operating lever between a neutral position and two operative positions corresponding to the neutral position and two operative positions of the operating lever, said resilient elements being adapted to be movable with the operating lever, each said resilient element being flexible about an axis perpendicular to the axis of rotation of the means mounting said resilient elements, means providing a stationary recess, each of said resilient elements including a projection, said recess being disposed to engage the projection of one of said resilient



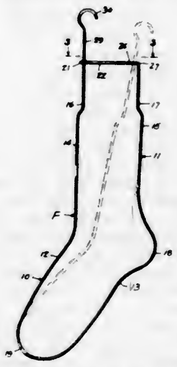
elements when that element is in its operative position and to engage the projection of the other resilient element when the latter resilient element is in its operative position, and an unlatching dog mounted for rotation with said first rotatable element for movement in a path of travel sweeping over said recess, the inner edge of each resilient element being outwardly and upwardly inclined so that when the first rotatable element turns the unlatching dog in one direction, if either resilient element is located over the recess it will be unaffected by movement of the unlatching dog, and if said resilient element is located over the recess and the first rotatable element turns in the opposite direction, the unlatching dog will lift such resilient element thereby permitting the same to be restored to neutral position by the biasing means of the switch operating element.

2,596,859

SOCK DRYING DEVICE

Albert J. Leonard, Sr., Glendale, Calif.

Application June 19, 1950, Serial No. 169,002
2 Claims. (Cl. 223—77)



1. A drying device of the class described comprising: a skeletal frame having the configura-

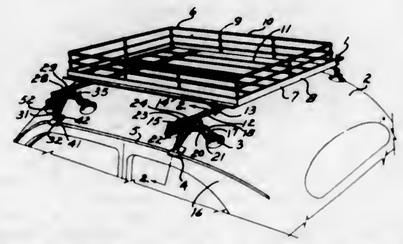
tion of a sock when flat, to provide front ankle and foot members, rear ankle and foot members joined by a heel portion, and a resilient, fulcrum-forming toe portion urging the frame to an expanded position; the free end of one of said ankle members projecting laterally towards the other ankle member to provide a connector arm; a second arm resiliently connected at one end to said connector arm and co-acting therewith to define therebetween a slot freely receiving said other ankle member to definitely limit the expanded position of the frame, yet rendering the latter contractible to freely receive a sock to be dried; and a keeper carried by one of said arms, with which said other ankle member is co-actable to latch the frame in a contracted position so as to leave both hands of the operator free for the application of a wet sock to the frame.

2,596,860

LUGGAGE CARRIER ATTACHMENT FOR AUTOMOBILES

Kenneth W. McCrory and Albert W. Rollins, Kansas City, Mo., assignors to Parker-McCrory Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Application February 3, 1950, Serial No. 142,224
6 Claims. (Cl. 224—42.1)



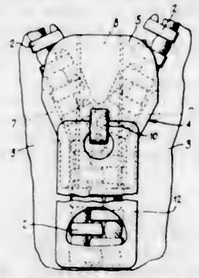
2. A luggage carrier for mounting on the top of an automobile comprising a receptacle, transverse members secured to said receptacle adjacent the ends thereof, spaced supports over the automobile top in inwardly spaced relation to the longitudinal edges thereof and having universal connections with the transverse members, said supports each having spaced legs, vacuum cups fixed to the support legs, said universal connections permitting the supports to be moved relative to the transverse members to position of the vacuum cups on the usual curved portions adjacent to sides of the automobile top with the plane formed by the edges of the respective cups substantially perpendicular to the radii of curvature of said curved portions, means for releasably securing the support and transverse members together to prevent a universal movement thereof, hook members adapted to engage the outer surface of the usual open top gutters along the longitudinal edges of the automobile top, portions on the hook members extending upwardly and over the open top gutters and having slots therein above said gutters, a keeper member on each of the hook members and having portions adjacent the inner surface of the gutters, a tongue on each keeper member extending upwardly through the slot of a respective hook member, said tongue being spaced from the automobile top and means adjustably connecting the supports and portions of the tongues above the slots of the hook members, whereby tension on said means draws the tongues toward the automobile top and moves the keeper members toward the surface of the gutters to substantially engage same and retain the gutters between the respective keeper and hook members and retains the vacuum cups in engagement with the automobile top.

2,596,861

SLIDER FOR SLIDE FASTENERS

Ralph E. Meech, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania

Application November 8, 1950, Serial No. 194,608
4 Claims. (Cl. 24—205.15)



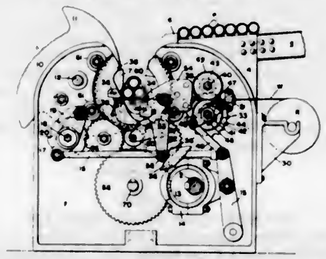
1. A slider for slide fasteners of the class described comprising a body member having spaced-apart wing portions connected by a neck portion at one end thereof, said wing portions having inwardly extending marginal flanges so as to provide substantially a Y-shaped channel therebetween, at least one of said wing portions having a section arranged to either side of said neck portion and between the same and each of said marginal flanges which is thinner than the remaining portions of said wing so as to provide a flexing point for the outer portions of said wing whereby said outer portion will slightly yield when any foreign materials accidentally become lodged between the flanges and the fastener elements and in the channel of said slider.

2,596,862

APPARATUS FOR BUNDLING PIPES, BARS, AND THE LIKE

George E. Mirfield, Youngstown, Ohio; Thomas W. Craver executor of said George E. Mirfield, deceased

Application July 1, 1949, Serial No. 102,490
8 Claims. (Cl. 100—31)



1. A machine for securing a wire about a predetermined number of pipes or the like comprising means for passing the leading end of the wire about the pipes, means for then welding together the end portion of the wire and a standing part thereof extending to a source of wire supply, means for severing the wire between the weld and said source after completion of the weld, means for projecting the wire end into the vicinity of the pipes prior to its passage thereabout, a movable arm for positioning a perforated tag adjacent the pipes with a perforation in the tag aligned with the path of projection of the wire end to thereby string the tag on the wire during its projection along said path before said end is passed about the pipes and actuating means for said wire projecting means and said arm operative to move the arm to so position the tag in predetermined timed relation to the projection of the wire along said path.

2,596,863

ADHESIVE COMPOSITION FOR LAMINATING OPTICAL ELEMENTS

Harold R. Moulton, Southbridge, and Joseph Mahler, Brookline, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application August 30, 1949, Serial No. 113,164
9 Claims. (Cl. 260—27)



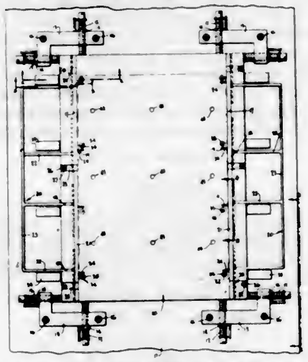
1. A cement formed of a mixture of rosin, chlorinated paraffin wax, phenyl salicylate and polyethylene glycol dimethacrylate.

2,596,864

SHEET HOLDING MEANS

Ernest Penker, Flushing, N. Y., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York

Application May 2, 1950, Serial No. 159,435
6 Claims. (Cl. 101—269)



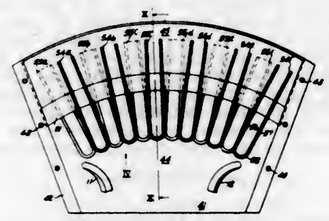
3. In printing apparatus of the type in which a design carrying roller moves over a sheet mounted on the flat surface of a supporting and holding fixture, means for holding the sheet against lateral displacement on the fixture comprising, in combination, a plurality of longitudinally spaced bars extending laterally of the fixture and vertically reciprocable therein, spaced pins mounted on each bar and extending above the fixture surface to engage correspondingly located holes in the sheet, means biasing each bar upwardly to project its pins above the fixture surface, and means on each bar engageable by the roller to depress each bar individually as the roller approaches the pins to retract the pins and maintain them retracted during passage of the roller thereover, the sheet being maintained in position by the other sets of pins.

2,596,865

ARC CHUTE UTILIZING STAGGERED U-SHAPED CONDUCTIVE MEMBERS

Charles R. Peter, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.

Application July 3, 1950, Serial No. 171,843
4 Claims. (Cl. 200—144)



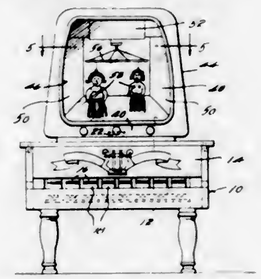
1. Means for extinguishing an electric arc movable in a predetermined general direction comprising an arc chute provided with a pair of spaced side walls located on opposite sides of the path of movement of said arc and having an intermediate section wherein said arc is formed and an exhaust section, an insulating member disposed between said side walls in said exhaust section and extending parallel to said side walls, and a plurality of U-shaped conductive members on which different portions of said arc successively impinge, said members being secured to said side walls and forming two rows disposed in the general lengthwise direction of said arc, the members of one of said rows being staggered in said lengthwise direction with respect to the members of the other of said rows, each said conductive member comprising a pair of spaced leg portions extending in the general direction of movement of said arc and having a curved portion joining said leg portions in said intermediate section to form a U, the said conductive members secured to one of said walls abutting said one wall in said intermediate section and increasing in depth from the bight of said U in a direction toward said insulating member and abutting said insulating member in the exhaust section of said chute.

2,596,866

ACTION PRODUCING MEANS FOR MUSICAL INSTRUMENTS

Henry S. Portogallo, Los Angeles, Calif.

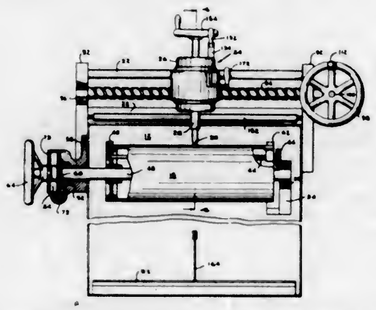
Application March 31, 1950, Serial No. 153,069
5 Claims. (Cl. 46—45)



5. In a musical instrument having movable keys upon the depression of which musical

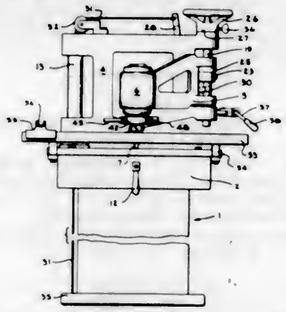
sounds are produced and a dove tail on the instrument for coupling an attachment thereto, an attachment for said instrument comprising a stage having a dove tail groove in its underside for receiving the dove tail on the instrument, a normally open electrical circuit which includes a power source and an electro-magnet above said stage, a movable armature carried by the electro-magnet for movement thereby above said stage, a bus bar beneath the keys, said bus bar being connected to one open terminal of said circuit, a contact on each key, said contacts being connected to the opposite open terminal of said circuit whereby when a key is depressed the circuit will be closed through thee lectro-magnet, and separable contacts carried by the dove tail and a wall of the dove tail groove whereby the attachment may be detached from the instrument.

2,596,867
TUBULAR ROUTER
Robert E. Richards, Kalamazoo, Mich., assignor to J. A. Richards Company, Kalamazoo, Mich., a partnership
Application July 14, 1949, Serial No. 104,689
4 Claims. (Cl. 90—15)



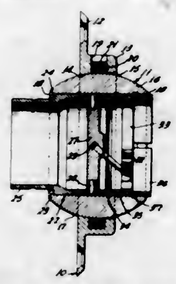
1. A router comprising a housing defining a work chamber, a rotary drum arranged in said chamber and adapted to hold a curved plate on which routing is to be done, horizontal guides above said chamber and parallel to said drum, a bracket slidably mounted on said guides, a motor unit supported by said bracket for movement therewith lengthwise of said drum and having a routing tool depending therefrom, a worm arranged parallel to said guides and extending freely through said bracket, means for rotating said worm, tooth means movably mounted on said bracket and spring means biasing said tooth means into engagement with said worm so that said bracket and motor unit will move along said guides upon rotation of said worm, a lever pivoted on said bracket and connected to said tooth means and operable for moving said tooth means out of engagement with said worm so as to permit free shifting of said bracket and motor unit along said guides independently of rotation of said worm, means on said bracket cooperable with said lever for holding said tooth means out of engagement with said worm, a shaft rotatable with said drum, a worm wheel on said shaft, a worm engageable with said worm wheel, means for rotating said worm so as to rotate said shaft and drum, means for disengaging said worm from said worm wheel so as to permit rotation of said drum independently of rotation of said worm, and a hand wheel on said shaft for rotating said drum independently of said worm.

2,596,868
ROUTING MACHINE
John A. Richards, Jr., Kalamazoo, Mich., assignor to J. A. Richards Company, Kalamazoo, Mich., a partnership
Application October 28, 1950, Serial No. 192,711
3 Claims. (Cl. 90—15)



1. A router comprising a horizontal table, a first arm mounted on said table for pivotal movement in a horizontal path, a second arm pivotally connected to the free end of said first arm for pivotal movement of said second arm in a horizontal path, a motor unit carried by said second arm and having a routing tool depending therefrom and driven thereby, and manual control means for controlling pivotal movement of said second arm, said control means comprising a collar fixed to said motor unit, a split ring rotatably journalled on said collar for rotation about a vertical axis, a control rod connected to said split ring for pivotal movement relative thereto in a vertical plane and for pivotal movement with said split ring about said collar, releasable means for securing said split ring in tight engagement with said collar for releasably securing said split ring against rotation about said collar whereby said control rod may be secured in any radial position relative to said motor unit, and spring means biasing said split ring out of said tight engagement with said collar.

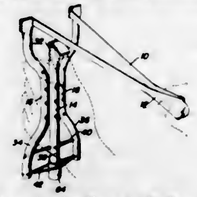
2,596,869
VALVE
Howard S. Ross, Beverly Hills, Calif., assignor to Wemac Company, Inglewood, Calif., a copartnership composed of Frank J. Mufich and John J. Mufich
Application September 27, 1949, Serial No. 118,033
13 Claims. (Cl. 251—11)



1. Valve-like mechanism of the type described, comprising: a body having a passageway extending therethrough and presenting a cylindrical

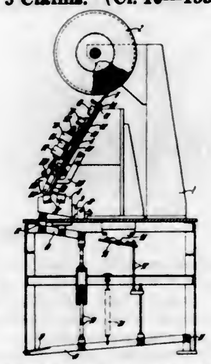
wall surface; a tubular member mounted within said passageway and supported by said wall surface for rotation about the longitudinal axis thereof; a disc of a diameter substantially equal to the inner diameter of said tubular member; a pair of oppositely projecting, diametrically aligned pins carried by said disc and engaged in aligned openings formed in said tubular member for mounting said disc across the bore of said tubular member for rotational movement therewith and for pivotal movement about an axis coincident with a major axis of said disc; and means made operative by rotation of said tubular member for moving said disc about its pivotal axis whereby rotation of said tubular member pivotally moves the said disc to variably restrict the bore of said tubular member to the passage of air therethrough, said last named means including a pin so angularly carried by said disc that the longitudinal axis of the pin passes through said disc at the intersection of the minor and major axes thereof, and a fixed guideway restraining movement of said pin.

2,596,870
REPEATING MAGAZINE SLINGSHOT
Earlie C. Sanderson, Wallace, N. C.
Application July 24, 1950, Serial No. 175,645
9 Claims. (Cl. 124—20)



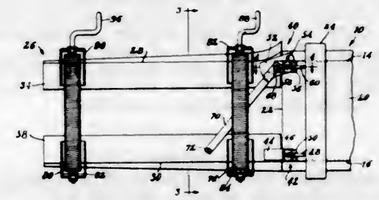
1. A slingshot including tubular side members, one end of each of said side members being curved outwardly to constitute arms of a yoke, a tube positioned between and fixedly securing said side members together to form a handle portion, the other ends of each of said tubular members comprising shot magazines.

2,596,871
SHEET METAL NUT ATTACHING MACHINE
Howard J. Schuldt, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 2, 1949, Serial No. 102,858
5 Claims. (Cl. 10—155)



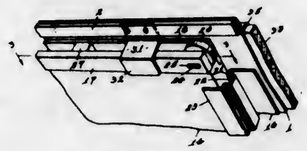
5. In a machine of the class described, strip guiding means terminating in a strip shearing edge, a reciprocable strip shearing punch cooperable with said shearing edge, a strip feeding means operable in timed relation to reciprocation of the punch, punch reciprocating means including power operated means, work supporting means having a work receiving and backing portion movable about an axis displaced from the intersection of said punch and said strip guiding means between positions adjacent and remote to the punch for receiving and removal of the work, and a manually actuatable lever controlling both said power operated means and movement of said work supporting means, whereby the punch is actuated in its strip shearing direction when said portion is adjacent the punch.

2,596,872
BALE CASE EXTENSION FOR AGRICULTURAL BALERS
Arnold B. Skromme, Ottumwa, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application April 13, 1951, Serial No. 220,917
10 Claims. (Cl. 100—23)



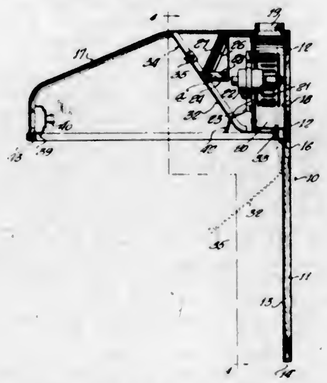
1. For a baler having a bale case of generally rectangular section made up of horizontal upper and lower walls and upright side walls and provided with an outer discharge end: a bale case extension in the form of an elongated box-like structure having a cross-sectional shape substantially like that of the bale case and positionable in end-to-end relationship with and as a continuation of the bale case, having an inner end alined with and proximate to and an outer end remote from the discharge end of the bale case; said extension structure comprising separate, upper and lower plate-like members relatively movable vertically toward and away from each other and providing continuations respectively of the upper and lower bale case walls, each member having an interior surface engageable with bale material discharged between the members from the discharge end of the bale case; means for mounting the extension structure on the bale case, including upper and lower supports connected respectively to the upper and lower members and connectible to the bale case; one of said supports including means for confining movement of the inner end of its member to substantially vertical movement and for constraining said one member against movement lengthwise toward the outer end of the structure, said one support further including a transverse pivot for vertical swinging of the outer end of said one member; a first pair of upright springs, one at each side of the inner end of the structure, connected between the inner ends of the upper and lower members for urging the said inner ends toward each other; and a second pair of upright springs, one at each side of the outer end of the structure, connected between the outer ends of the upper and lower members for urging said outer ends together.

2,596,873
VISOR FOR VEHICLES AND THE LIKE
William P. Solmes, Toronto, Ontario, Canada
Application August 10, 1950, Serial No. 178,665
6 Claims. (Cl. 296—97)



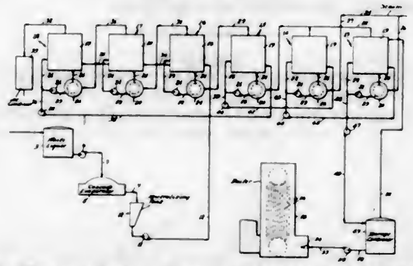
1. A visor comprising a substantially rectangular body of opaque sheet material constituting an eye shade, adjustable supporting means for said body, a transparent light screen having an inoperative position overlying one face of said body and being movable into an operative position overlying one edge of said body, a pair of brackets secured transversely of said body in spaced parallel relation to one another and constituting a frame in which said transparent screen is slidable to and from its operative positions, rollers carried by said screen and extending from opposite ends thereof in engagement with the opposed faces of said brackets, and spring means urging said rollers into frictional contact with said faces of said brackets to hold said screen to any adjusted position.

2,596,874
COOKING STOVE VENTILATING HOOD
Robert B. Sonntag, Dallas, Tex.
Application December 19, 1949, Serial No. 133,923
5 Claims. (Cl. 98—115)



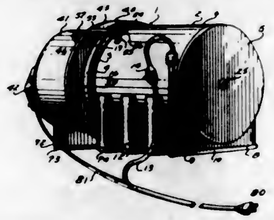
1. A cooking stove ventilator comprising a hood having front and end walls and adapted to be mounted on and to extend outwardly from a wall to overlie said stove, a rear wall in said hood, a blower housing affixed to said rear wall and having an exhaust opening in the top of said hood, a blower in said housing having a horizontal shaft, a motor for driving said shaft, a plurality of substantially L-shaped brackets suspended from the top of said hood having horizontal portions extending towards the front of said hood, a filter supported on said horizontal portions in inclined position forwardly of said blower housing and extending from the front edge of said horizontal portions to the top of said hood and coextensive with the width of said hood, a flange protruding from the inner surface of said end walls and inclined opposite to said filter, a cover plate hinged at its lower end below said blower housing whose ends engage said flanges and adapted in closed position to engage the lower edges of said filter and conceal said filter and blower housing, the upper end of said cover plate terminating short of the underside of said hood to define an intake area for said blower substantially the width of said hood, and removable means below said filter for collecting grease therefrom.

2,596,875
METHOD OF HANDLING WASTE SULFITE LIQUOR
Thomas W. Stewart, Longview, Wash., assignor to Weyerhaeuser Timber Company, Longview, Wash., a corporation of Washington
Application May 26, 1950, Serial No. 164,356
4 Claims. (Cl. 159—47)



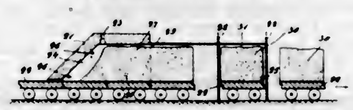
1. The method of burning concentrated waste liquor from the digestion of ligno-cellulose material which comprises concentrating the liquor by multiple effect evaporation with at least the last effect maintained at over-atmospheric pressure, delivering the liquor at the over-atmospheric pressure therein to a storage container, maintaining the pressure in the storage container substantially at that of the last effect, thereby conserving the heat in the concentrated liquor, and delivering the heated liquor at substantially the temperature maintained in the storage container to the burning zone.

2,596,876
MIXING UNIT FOR REFRIGERATORS
Rollin G. Taecker, Manhattan, Kans.
Application August 12, 1949, Serial No. 109,862
5 Claims. (Cl. 62—114)



3. In combination with a refrigerator having a freezing compartment including an evaporator, a plurality of spaced heat conducting fins fixed in thermal contact with the freezing compartment evaporator and extending in spaced horizontal planes therefrom, said fins having open top troughs for retaining a thin sheet of frost and ice, a container adapted to hold foods to be rapidly chilled or frozen, and a plurality of thin walled heat conducting fins fixed to the container in thermal contact therewith and extending outwardly therefrom in spaced horizontal planes substantially corresponding to the spacing of the fins on the evaporator, said fins on the container terminating in downwardly turned edges adapted to support the container in the freezing compartment by engagement in heat transfer relation in the troughs of the fins on the evaporator.

2,596,877
PROCESS FOR PRODUCING SPONGE METAL
Gustaf Tanner, Sala, Sweden
Application August 15, 1949, Serial No. 110,367
In Sweden August 28, 1948
10 Claims. (Cl. 75—33)

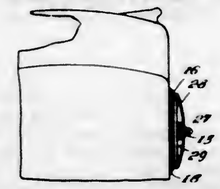


1. In the production of sponge metal by reducing oxides of a metal selected from the group consisting of iron and copper, the process which comprises feeding grains of the oxide to be reduced into a furnace onto an inclined surface therein, said surface being formed by grains of the oxide previously reduced and sintered after introduction into the furnace, so as to cause the grains to pass downwardly along said surface, reducing the said oxide grains by contacting them with a reducing gas while maintaining a temperature in the furnace below the melting point of the said metal but sufficiently high to cause the said grains to sinter onto said inclined surface after having passed a distance along the same, moving the so-formed block of sintered grains away from the feeding point substantially as it accumulates and removing it from the furnace.

2,596,878
PROCESS FOR THE PREPARATION OF HYDROHALOGENATED RUBBER
Gerardus Johannes van Veersen, The Hague, Netherlands, assignor to Rubber-Stichting, Delft, South Holland, Netherlands
No Drawing. Application May 8, 1950, Serial No. 160,811. In the Netherlands June 12, 1947
10 Claims. (Cl. 260—771)

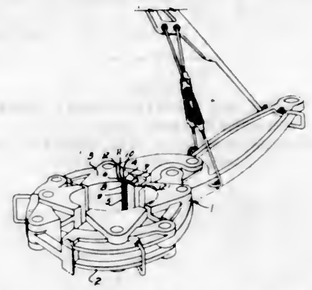
1. A process for the preparation of the addition product of rubber with a hydrogen halide selected from the group consisting of hydrogen chloride and hydrogen bromide, which comprises mixing an aqueous dispersion of a conjugated diolefin rubber and an emulsifying agent selected from a class consisting of nonionic and cationic surface active agents and which is capable, when added in a concentration of up to 5 per cent by weight to a natural rubber latex at room temperatures, of preventing coagulation of the latex by HCl when the latter is added thereto in concentrations of up to 10 per cent by weight, the quantity of emulsifying agent being sufficient to render the latex non-coagulable when saturated with hydrogen halide, saturating the aqueous phase of the dispersion with one of said hydrogen halides, then reacting the latex with an excess of the same hydrogen halide over the amount required to saturate the aqueous phase for a period of time sufficient to produce the desired degree of hydrohalogenation of the rubber and recovering the resulting hydrohalogenated rubber.

2,596,879
MOTOR VEHICLE HEADLIGHT MARKER
Dennis E. Warren and Paul Branson, Rockville, Ind.
Application September 27, 1949, Serial No. 117,986
1 Claim. (Cl. 40—130)



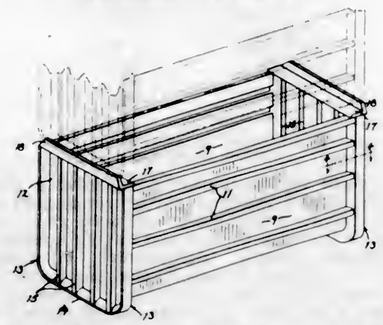
A motor vehicle marker comprising a saucer shaped convex shield of partly transparent material, having a peripheral rim with an annular bead on the edge thereof and having a centrally positioned opening therethrough, a resilient washer U-shaped in cross section positioned over the bead on the rim of the shield, a vacuum cup having a threaded stud extended therefrom and positioned on the inside of the shield with the stud in the centrally disposed opening of the shield, and a nut threaded on the outer end of the stud temporarily mounting the shield on the said vacuum cup, said shield having marking indicia thereon.

2,596,880
DIE FOR TONG HEADS
Charles C. Weiss, Oklahoma City, Okla.
Application September 19, 1949, Serial No. 116,561
2 Claims. (Cl. 81—186)



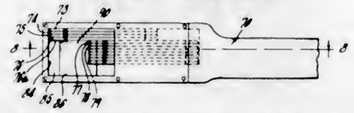
1. A die for a gripping device of the type including a jaw member having a groove undercut at the sides and extending transversely within a face thereof and open at the respective ends for containing a die under driving fit with ends of the die substantially registering with the open ends of the groove, said die including an elongated body having a cross section conforming to the cross sectional shape of the groove to provide said driving fit and of a length substantially conforming to the length of the groove, said die having a body portion of a degree of hardness giving a brittle characteristic, said die having a gripping face arranged to project from the groove and provided with teeth distributed over the entire area thereof, said die having an end portion on at least one end thereof of substantially lower degree of hardness than the body portion and directly integral with said body portion to form a striking surface for a hammer when the die is driven into said groove to prevent chipping off of particles of the die and teeth under blows of a hammer.

2,596,881
MATERIAL STORAGE AND HANDLING CONTAINER
Francis E. White, Birmingham, Ala., assignor to Birmingham Fabricating Company, Birmingham, Ala.
Application March 21, 1950, Serial No. 150,869
2 Claims. (Cl. 220—4)



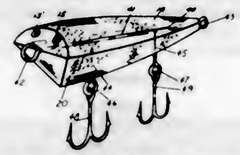
1. A container comprising integral side walls and a bottom wall, the walls being provided at intervals with horizontally arranged corrugations, and end walls secured to the margins of the side and bottom walls and extending downwardly below the latter to form therewith an external space for accommodating the lifting forks of a hydraulic lift, the end walls being provided with vertical corrugations, and a combined support and guard rail secured to the top of each end wall for accommodating the lower portions of the end walls of an identical container whereby a plurality of identical containers may be stacked and held in stacked condition against skewing or longitudinal displacement.

2,596,882
AUTOMATICALLY ADJUSTABLE WRENCH
Bernard Wiesen, Bronx, N. Y.
Application September 9, 1950, Serial No. 183,934
4 Claims. (Cl. 81—185)



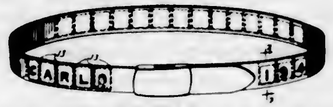
1. A wrench construction comprising a body including a depending head, said head being provided with a downwardly directed bolt-receiving opening and having at least one wall defining a stationary bolt-engaging jaw, said body being provided with a guideway upwardly-inclined at an angle with respect to said bolt-receiving opening and communicating with the latter, a stack of shim-like elements juxtaposed within said guideway and movably supported therein, each of said shim-like elements including a jaw-forming portion and being urged downwardly in said guideway under the force of gravity to a position wherein said jaw-forming portions are disposed within said bolt-receiving opening in spaced opposed relation with respect to said stationary jaw, one or more of said shim-like elements being upwardly movable relative to the remaining shim-like elements and relative to said stationary jaw in response to the insertion of a selected bolt within said bolt-receiving aperture whereby the size of the latter is adjustable in accordance with the size of said selected bolt.

2,596,883
FISH LURE
Gary E. Wise, Cleveland, Ohio, assignor to Heldenline Company, Cleveland, Ohio, a corporation of Ohio
Application June 25, 1949, Serial No. 101,351
4 Claims. (Cl. 43—42.33)



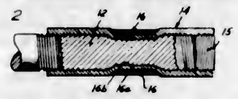
1. In a fish lure including a body and hooks, said body comprising a translucent upper body portion forming a condensing lens and having a curved external surface and being generally tapered from a forward portion thereof to the rearmost portion thereof, a forward head portion thereof being slanted at an angle of approximately 60° to the axis of the lure, said upper portion having a flat under surface subtending the arc of the external surface, and an isosceles triangular prismatically formed translucent lower body portion having a generally flat upper surface, and means for securing said upper and lower portions together.

2,596,884
BELT FOR WEARING APPAREL
Jacob L. Bailen, Bloomington, Ill., assignor of thirty-five per cent to Gilbert E. Meites, Chicago, Ill.
Application February 26, 1948, Serial No. 11,088
5 Claims. (Cl. 2—338)



5. A strap construction for personal wear having front and rear layers, at least one of which extends substantially the full length of the strap substantially throughout its width, said layers being secured together along narrow spaced vertically extending areas to form a plurality of pockets at closely spaced positions along a substantial length of the strap, said pockets having openings adapting them to receive flat inserts bearing decorative matter, and the front layer of said strap having transparent characteristics to make visible the inserts against the inner faces of said front layer.

2,596,885
LOCK JOINT FOR TIE ROD AND END ASSEMBLIES
James H. Booth, Venice Township, Shiawassee County, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 27, 1948, Serial No. 40,891
1 Claim. (Cl. 287—125)

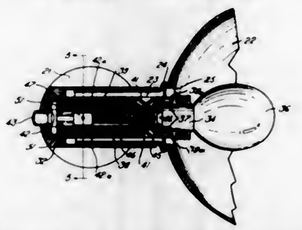


A tie rod and end assembly for a vehicle steering apparatus comprising an end joint having a joint housing with an externally threaded stem projecting therefrom, a tie rod having an internally threaded tubular end receiving the stem in threaded assembly therewith, and diametrically opposed elongated dimples in both the tubular end of the tie rod and the stem and having the long axes thereof extending longitudinally of the stem and rod, said dimples in the tubular end of the tie rod forming elongated keys, said dimples in the stem forming elongated key ways inwardly of the normal root diameter of the stem threads and receiving said keys snugly therein to be filled thereby, the threaded connection between the rod and the stem being distorted at the locale of the opposed dimples to load the rod and stem threads axially and radially in locked together relationship to wedge the threads together into the thread roots under radial load and to stretch the threads into side-by-side relation under axial load thereby creating a multiple locked together relationship of the stem and tie rod.

2,596,886
HYDROROSIN ACID SALTS IN THE EMULSION POLYMERIZATION OF STYRENES
Joseph N. Borglin, Wilmington, Del., and Philip A. Ray, Denver, Colo., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 17, 1944, Serial No. 540,886. Divided and this application August 19, 1948, Serial No. 45,216
9 Claims. (Cl. 260—27)

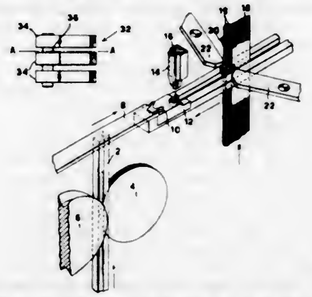
1. The process which comprises polymerizing a monomeric material consisting of a styrene polymerizable with a peroxide catalyst and containing the $CH_2=C<$ group in aqueous emulsion in the presence of an alkali metal salt of a purified hydrorosin acid as the emulsifying agent.

2,596,887
PHOTOFLASH BULB SUPPORTING AND EJECTING MEANS
Clinton F. Brundage, Macedon, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application June 2, 1948, Serial No. 30,575
12 Claims. (Cl. 173—328)



1. Photoflash lamp bulb supporting and ejecting means for photographic purposes, comprising in combination a housing having a tubular projection extending at substantially a right angle to the main body portion of the housing and fitted upon and secured to an end of a battery case or the like, a removable lamp bulb-carrying member received within said main body member of said housing and having an open end directed outward at substantially a right angle to the longitudinal axis of the battery case, to receive a lamp bulb base, which lamp bulb base is provided with outwardly projecting retaining pins that co-act in retaining the lamp bulb in position, two opposite latch members received upon said bulb carrying member and having hook-like outer ends to engage and hold said retaining pins, said latch members having intermediate their ends inwardly extending cam formations, said latch members terminating at their ends opposite their hook-like ends in a cylindrical formation received upon said bulb carrying member, said bulb carrying member being thick walled, of cylindrical form and of insulating material and having two opposite narrow lengthwise extending surface recesses, the said latch members being narrow and received in said received in said recesses and having their outer surfaces substantially flush with the outer surface of said bulb-carrying member, and a longitudinally slidable member mounted in face-to-face relation with and directly upon said bulb carrying member, between it and said latch members and having opposite narrow elongated parts received in said recesses, to engage and to move said latch members radially outward by reason of their engagement with said cam formations, thereby to release said hook-like ends of said latch members from holding relation with the said retaining pins of said bulb base and lamp bulb ejecting means mounted within said lamp bulb carrying member and restrained from lamp bulb ejecting action by said retaining pins, but acting when said hook-like outer ends are disengaged from said retaining pins forcibly to eject said lamp bulb.

2,596,888
ZIPPER AND METHOD OF PRODUCING THE SAME
Charles C. Cohn, Elkins Park, Pa., assignor to Samuel L. Cohn and Charles C. Cohn, copartners trading and doing business as Colonial Alloys Company, Philadelphia, Pa.
Application May 6, 1948, Serial No. 25,468
2 Claims. (Cl. 29—148)

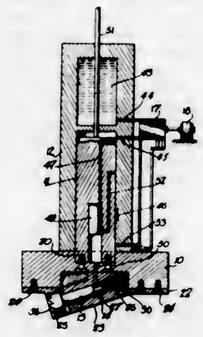


1. The method of producing coated metallic zippers comprising providing a wire having portions of a cross-section approximating that of a final zipper element connected by portions of less cross-sectional area, electrolytically coating said wire, severing zipper element blanks from said wire by cuts through the last mentioned portions thereof, forming said blanks into zipper elements each of which has a projection from one face thereof and a socket in the other face thereof, and securing said elements on a carrier, said portions of the wire of less cross-sectional area corresponding in position and cross-sectional area to the areas of the elements at which said projections and sockets are formed.

2. A wire having an electrolytically coated surface and adapted to be transversely severed to

provide zipper elements each of which has a projection from one face thereof and a socket in the other face thereof, said wire having portions providing spaced legs and of a cross-section approximating that of the final zipper element connected by portions of less cross-sectional area, the wire being slotted to separate the legs of adjacent first mentioned portions, said portions of the wire of less cross-sectional area corresponding in position and cross-sectional area to the areas of the elements at which said projections and sockets are to be formed.

2,596,889
AUTOMATIC HYDRAULIC DUPLICATING MACHINE
Arthur J. Curtis, Walla Walla, Wash.
Application May 5, 1948, Serial No. 25,117
4 Claims. (Cl. 113—45)



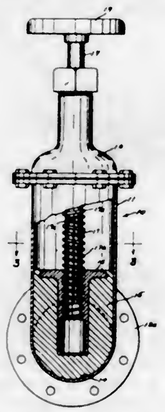
1. In a hydraulic stamping die, the combination which comprises a main cylinder having spaced supply and return openings through the wall thereof and a by-pass recess in the inner surface of the wall, a male die-carrying piston having an inner cylinder in an extended end thereof positioned in the said main cylinder, a floating piston positioned in the said inner cylinder of the male die-carrying piston, a laterally disposed cylinder carried by the said male die-carrying piston, a die actuating piston having a male die on the end thereof positioned in the said laterally disposed cylinder, means limiting the travel of the said die-actuating piston, and a female die positioned to coact with the said male die of the piston in the laterally disposed cylinder, said laterally disposed cylinder having a passage extended into the said inner cylinder through which fluid is forced by the floating piston to actuate the said die carrying piston, the supply opening through the wall of the main cylinder being positioned beyond the inner end of the piston therein and the return opening being spaced from the end of the cylinder from which the piston extends, said male die-carrying piston having a supply passage therein extended from the inner end of the said inner cylinder to a point positioned to register with the said by-pass recess in the inner surface of the main cylinder wall, and a return passage extended from a point midway of the length of the inner cylinder to a point in the wall of the piston positioned to register with the said return opening in the main cylinder wall with the said male die-carrying piston extended whereby fluid under pressure supplied to the main cylinder through the supply opening drives the male die-carrying piston to an extended position and into the female die and upon reaching said extended position the fluid forced by the floating piston drives the piston of the laterally disposed cylinder to force the male die into operative relation with the female die.

2,596,890
WRITING PAD FOR TEMPORARY NOTATIONS
George W. Dechert, Chicago, Ill.
Application August 13, 1948, Serial No. 44,193
7 Claims. (Cl. 35—66)



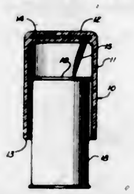
1. A writing pad comprising a colored tacky impressionable base, a semi-opaque impression sheet in superimposed relation to said base and adapted to releasably adhere to said base upon application of pressure, transparent tough diaphanous means including means above said impression sheet marked with visible indicia and means between said impression sheet and impressionable base having voids outlining indicia, said voids upon application of writing pressure to the impression sheet becoming visible on the impression sheet in the color on the base due to the contact between the impression sheet and base at the void areas for coaction with the marked visible indicia to define a desired combination.

2,596,891
EXPANDING PLUG FOR GATE VALVES
Joseph H. De Frees, Warren, Pa.
Application November 20, 1948, Serial No. 61,198
2 Claims. (Cl. 251—66)



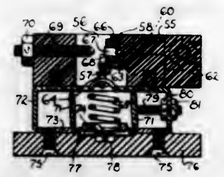
1. A valve assembly comprising a valve body having a passage therein for the transmission of fluid, said assembly consisting of a first tubular section of cylindrical character for said transmission of fluid, and a second tubular section intersecting said first tubular section at right angles thereto in T-connecting relationship, said second tubular section being adapted to slidably receive a valve plug for movement into said first tubular section to control fluid flow therein, said second tubular section being of oval sectional contour in a plane parallel to the axis of said first tubular section, said second tubular section having along its major diameter a pair of opposed parallel side walls spaced apart a distance equal to the diameter of said first tubular section, said distance constituting the minor diameter of said second tubular section, said parallel side walls merging smoothly into rounded end walls, said major diameter of said second tubular section extending in the direction of the longitudinal axis of said first tubular section, the parallel walls of said second tubular section merging smoothly and tangentially into the walls of the first said tubular section at respectively diametrically opposed zones in the first tubular section, said valve plug being formed from relatively resilient material and having an inner seating face of elongated semi-cylindrical character at its mid-portion so as to be adapted to seat against the opposed inner wall of said first tubular section, said plug having side walls and end walls respectively complementary to the inner side and end walls of said second tubular section, said plug extending rearwardly away from its said seating face a distance greater than the cylindrical diameter of said first tubular section whereby, when said plug has been advanced within said second tubular section and into seating contact with its seat on said opposed inner wall of said first tubular section a portion of said plug will completely obstruct the passage in said first tubular section, and another portion of said plug will extend rearwardly into and completely obstruct the cross sectional space within said second tubular section.

2,596,892
CAN OPENER
Nicholas S. Eckmayer, Chicago, Ill.
Application February 28, 1948, Serial No. 12,010
2 Claims. (Cl. 30—123)



1. A combination can opener and drinking cup comprising a container having one end open and the other end closed, and a blade in the shape of a V from one end thereof to the other end thereof positioned in said container adjacent one edge of said closed end thereof and secured to said closed end thereof and projecting from said closed end toward the center of said container, said blade being curved in transverse cross section, said container being adapted to be circumposed about a closed can and moved longitudinally of said can until said blade punctures the adjacent closed end of said can and then said container being adapted to be rotated with respect to said can causing said blade to make a circular cut to completely sever said adjacent closed end from said can.

2,596,893
ELECTRIC SWITCH
Tomun Finizie, Bridgeport, Conn., assignor to Edmond J. Finizie, Bridgeport, Conn.
Application October 28, 1948, Serial No. 56,929
15 Claims. (Cl. 200—67)



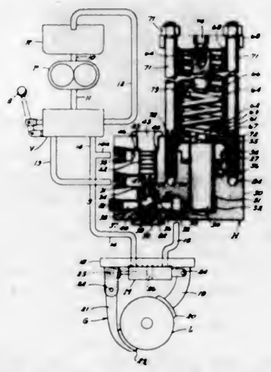
1. A manually operable electric switch comprising an insulation block and a metal frame applied to the block at one face of the latter, the intermediate portion of the block being cut away to provide operating space for a contact leaf, and the block being provided with terminals and with contact members at one side of the cut-away portion, the frame being cut away substantially in line with the cut-away portion of the block, a metal leaf in said cut-away portion of the block carrying a contact strip insulated from the leaf for bridging said contact members and having knife-edge pivoting engagement with said frame, a coil spring connected to said leaf adjacent its pivot, an elongated actuating member to which said spring is connected at the opposite end thereof intermediate of the ends of the actuating member, and means spacing and pivotally mounting said actuating member from said frame so that it has a swinging movement.

2,596,894
COMPOSITE LAMINATED LACROSSE STICK
Benjamin N. Frisch, Baltimore, Md., assignor to Gaylord R. Auer, Towson, Md.
Application May 4, 1948, Serial No. 24,969
1 Claim. (Cl. 273—96)



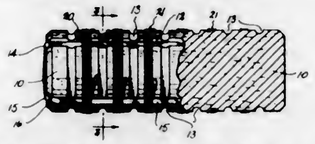
A lacrosse stick comprising a handle of solid material, a frame of laminated material joined to said handle, the top horizontal portion of said frame twisted at right angles to the side portion of said frame to form an extending arm, the free end of said arm bent at a right angle thereof, whereby said twisted laminations provide a durable structure.

2,596,895
ARTICLE GRIPPING SYSTEM FOR LIFT TRUCKS
Joseph A. Frischmann, Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 18, 1948, Serial No. 60,726
6 Claims. (Cl. 214—115)



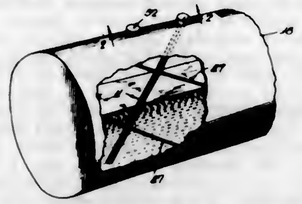
1. In a lift truck, a load-supporting carriage, means thereon to grip a load, a hydraulic motor actuatable to close the gripping means on a load and retain the same in closed condition, a source of fluid under pressure, a manual control valve movable to effect flow of fluid from the source through a conduit to the motor to grip the load and movable to effect flow from the motor through the conduit to release the load; in combination with a holding device comprising a check valve in the conduit disposed to prevent flow from the motor, means for unseating the check valve operated by movement of the manual control valve to release the load, a cylinder, a spring-loaded piston therein, a restricted fluid connection between the cylinder and the conduit between the check valve and motor, and a positive stop for the piston.

2,596,896
FISHING LEADER HOLDER
Percy J. Goad, Richmond Beach, Wash.
Application June 11, 1948, Serial No. 32,430
3 Claims. (Cl. 43—57.5)



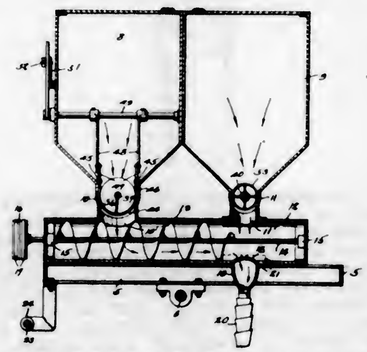
1. A holder for a plurality of fish line leaders comprising an elongated body of wood, round in cross-section, formed at spaced intervals therealong with encircling channels defining wrapping surfaces between them about which the leaders may be individually wrapped and secured, said body being formed with a longitudinal channel from end to end providing side wall surfaces with which the fish hooks on the ends of said leaders may be engaged to hold those ends of the leaders for wrapping, and rubber bands applied under tension about the said body lengthwise thereof and in spaced relationship, said body having notches at its ends seating said bands therein to retain their spacing.

2,596,897
LIQUID LEVEL GAUGE
Ervin C. Haatvedt, Brooklyn, N. Y., assignor to Visugage, Inc., a corporation of New York
Application October 9, 1948, Serial No. 53,615
6 Claims. (Cl. 73—293)



1. A liquid tank having an opening therein, a stuffing box affixed to the outside of said tank about said opening, a measuring rod of light conducting material extending downwardly into said tank through said stuffing box and said opening and removably mounted therein, means in said stuffing box coacting with said rod securely to retain the latter in said tank, one end of said rod extending beyond said stuffing box and exposed on the outside of said tank, said exposed end having a roughened surface, whereby when rays of light are directed against said roughened surface they will pass through the length of said rod, said rod having calibrations along its length on the surface thereof and having roughened areas on said surface to intercept the rays of light passing therethrough to illuminate said calibrations to render them clearly readable, means in said tank to support said rod at an inclination with respect to the top thereof with said calibrations facing upwardly, and a window in the wall of said tank positioned over said inclined rod, through which said calibrations may be seen.

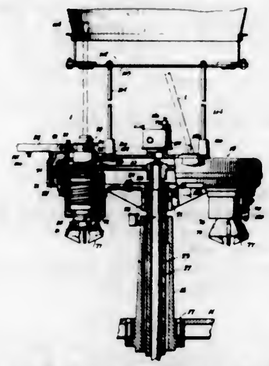
2,596,898
DEVICE FOR THE MIXING AND DISPENSING OF A PLURALITY OF MATERIALS
Lloyd G. Hoppes, Haselton, Kans., assignor to Insul-Wool Machinery Manufacturing Co., Wichita, Kans., a corporation of Kansas
Application January 27, 1948, Serial No. 4,601
1 Claim. (Cl. 222—142)



A planter comprising a wheel supported frame, elongated fertilizer hopper and grain hopper mounted on the frame in juxtaposition, feed troughs extending longitudinally of and forming part of the hoppers, spaced discharge spouts depending from the troughs and communicating therewith, a plurality of spaced distributing tubes

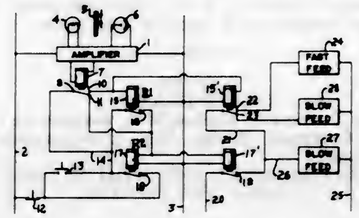
mounted under the hoppers and extending transversely of the feed troughs, each discharge spout depending from the feed trough of the fertilizer hopper communicating with a distributing tube adjacent the front end thereof, each discharge spout depending from the feed trough of the grain hopper communicating with a distributing tube adjacent the rear end thereof, said tubes having discharge openings in vertical alignment with the respective discharge spout from the feed hopper for dropping grain into said discharge openings through which the grain and fertilizer pass for planting, feed worms operating in the fertilizer hopper troughs for delivery of fertilizer into the respective discharge spouts for gravity flow into the distributing tube, agitators operating in the grain hopper troughs for effecting flow of grain into the distributing tubes, and conveying worms operating within the distributing tubes and extending rearwardly from the front ends of said tubes and terminating at the discharge openings of the tubes for delivering fertilizer thereto for mixture with the grain dropping from the respective discharge spout of the feed hopper whereby the fertilizer and grain to be planted pass together through the discharge openings.

2,596,899
MACHINE FOR MAKING GLASS ARTICLES
Louis C. Kahle, Teaneck, N. J., assignor to Kahle Engineering Company, North Bergen, N. J., a copartnership
Application May 29, 1948, Serial No. 30,018
19 Claims. (Cl. 49—7)



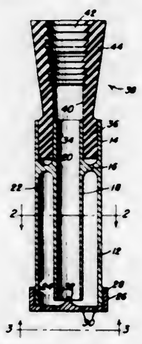
19. A machine of the class described for forming hollow articles, including the combination of heating means for applying heat to portions of a glass tube, means for turning an end of said tube laterally to form a flange, a plurality of sets of spaced movable jaws for enclosing a major portion of the periphery of a portion of said tube, means for cutting through the wall of said tube to form a flanged length thereof with open opposite ends, additional heating means, spreader means, means for moving the jaws into gripping engagement with said length and transferring it to a position adjacent said additional heating means for applying heat to said gripped length of tube adjacent the open end opposite said flange and into registry with said spreader means, said spreader means being insertable into the open end opposite the flange, means for operating said spreader means for forming said open end into an opening of elongate cross sectional shape, and means for thereafter withdrawing said spreader means from said elongate opening.

2,596,900
ELECTRICAL RELAY SYSTEM
Donald B. Kendall, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application July 9, 1948, Serial No. 37,750
5 Claims. (Cl. 175—320)



1. In a control circuit, in combination, a switch that is actuated by condition responsive means, said switch having a first and a second set of contacts each of which opens as the other closes, a first relay, a first set of relay contacts on the first relay that are closed by energization of the relay, a second relay, a second set of relay contacts on the second relay that are closed by energization of the second relay, a power lead, a power return lead, and a start switch, said first and second sets of relay contacts and said second relay being connected in a series circuit between said power and power return leads, said second set of switch contacts being connected in parallel with the first set of relay contacts, said start switch being connected from the power lead to a point in the series circuit intermediate the power lead and the second relay to parallel at least the second set of relay contacts, and said first relay and the first set of switch contacts being connected in series between the power return lead and a point in the series circuit to parallel at least the second relay.

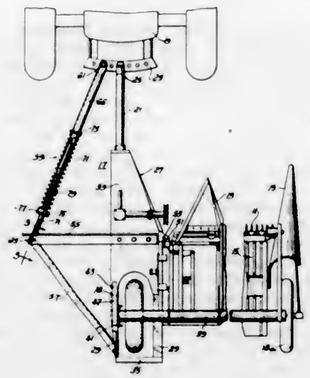
2,596,901
BUBBLE BATH MIXER
John Edwin Kiser, Sidney, Ohio
Application February 20, 1948, Serial No. 9,909
2 Claims. (Cl. 299—83)



1. A bubble bath mixer for use with a water faucet, comprising an elongated casing, a tube rigidly secured longitudinally of and within said casing, one end of said tube communicating with said faucet, a mixing chamber within said casing

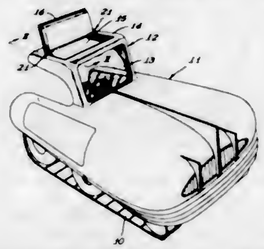
and communicating with the other end of said tube, a removable closure for said mixing chamber, said closure including a plate having apertures comprising an outlet for burdened water, said plate being disposed adjacent said other end of the tube, said closure having an inwardly pointed deflector positioned coaxially with said tube and integral with the inside surface of the closure and directing water from said other end to move substantially parallel said plate.

2,596,902
DRAFT FRAME
Norman R. Krause, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application April 7, 1948, Serial No. 19,521
2 Claims. (Cl. 280—33.4)



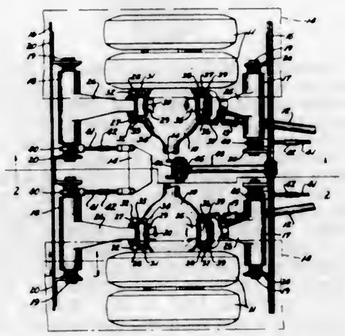
1. In a pull type implement having a transversely extending crop engaging means which is supported at its outer end by a support wheel, a draft frame which is adapted to connect the inner end of said implement to an associated draft vehicle, and to support that end of said implement, said draft frame comprising a rigid longitudinally extending framework unit, the forward end of said unit including a longitudinally extending draw bar section and the rearward end of said unit including means defining a rigid, box-like section, said draw bar section and said box-like section being rigidly interconnected to constitute a unitary structure, said draw bar section having a draft connection at its forward end for engaging a point on the draft vehicle, a support wheel journalled on said box-like section adjacent its rearward end, a transversely extending member having its inner end fixedly attached to said box-like section forwardly of said support wheel, a longitudinally extensible member connecting the outer end of said transversely extending member to a point on the draft vehicle which is spaced from the point of connection of said draw bar and said draft vehicle, said connection between said transversely extending member and said longitudinally extensible member including a vertically extending pivot pin connection which permits relative hinged movement between said transversely extending member and said longitudinally extensible member in a horizontal plane, and resilient means associated with said longitudinally extensible member which tends to urge it into an extended condition.

2,596,903
SAFETY TRACTOR CAB
Roy A. Kropp, River Forest, Ill., assignor to Kropp Forge Company, Cicero, Ill., a corporation of Illinois
Application February 13, 1948, Serial No. 8,059
5 Claims. (Cl. 296—28)



1. In combination in a tractor including a body having a driver's station, a cab at said driver's station including a front wall having a windshield and a top projecting rearwardly from the front wall above the windshield, a driver's seat and a steering wheel below said top and rearwardly from said windshield, said top having an opening occupying the major portion of the top area and extending from side to side throughout almost the entire top width, said opening being centered above the driver's seat and the steering wheel and being of ample size to permit a driver of the tractor standing up and with the upper portion of the body projecting through the opening with complete freedom for use of his arms in manipulating the steering wheel, and a lid for closing said opening hinged at the rear of the opening and including means for supporting the lid in an upwardly and rearwardly slanting position at the rear of the opening to serve as a back rest for the standing driver.

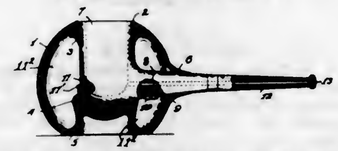
2,596,904
VEHICLE SUSPENSION
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 25, 1948, Serial No. 45,991
8 Claims. (Cl. 267—21)



1. A vehicle suspension comprising a supported structure, a wheel-carrying structure extending transversely of said vehicle, a pair of torsion springs disposed at spaced-apart positions along said wheel-carrying structure, said springs having arms pivotally connecting said structures for

cushioning relative movement thereof, a second pair of torsion springs disposed at positions opposing the positions of springs of said first pair of torsion springs, each of the springs of said second pair being mounted on one structure and connected to the other structure by linkages for transmitting relative movement of said structures of said spring, each of said linkages comprising an arm mounted on one of the springs of said second pair and a link pivotally connected to said arm and to the other structure, and a rod member pivotally connected to said supported structure and to said wheel-carrying structure at a position between said spaced-apart positions and spaced vertically from the arm connections for limiting the fore and aft movement of said wheel-carrying structure relative to said supported structure and for turning said wheel-carrying structure about the pivotal connection of said arms to said wheel-carrying structure to augment the variation in the relative angular positions of each said link relative to the connecting arm in response to relative movement of said structures.

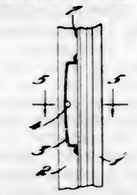
2,596,905
TOBACCO PIPE AND A HOLLOW MEMBER THEREFOR
Joseph W. Less, Clinton, Iowa
Application September 22, 1948, Serial No. 50,460
6 Claims. (Cl. 131—171)



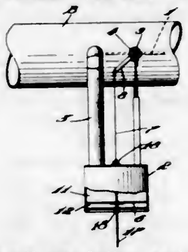
1. A structure for the purpose described including a cavitied yieldable elastic member for partially enclosing a smoker's pipe, the same having an opening in a wall thereof for the introduction therein of a pipe-bowl, and also having an opening in a wall thereof to receive the stem of said pipe, the axes of the openings lying substantially at right angles to each other, a seat for the pipe-bowl spaced from the walls having the named openings and lying opposite and facing said first named opening and spaced therefrom, a tobacco pipe insertable into said member and resting upon said seat and snugly fitting in the two named openings, the pipe-bowl having a passage in its wall communicating with the interior of the bowl and with the cavity of the member, and a valve at the free extremity of the pipe-stem normally closing the passage thereof and adapted to open in drawing smoke from said pipe-bowl.

2,596,906
STORM WINDOW FASTENER
Elmer A. Lucas, Edgewood, R. I.; W. Ward Harvey, executor of said Elmer A. Lucas, deceased, assignor to Luella E. Lucas, Newport, R. I.
Application October 15, 1948, Serial No. 54,727
1 Claim. (Cl. 292—246)

For fastening a temporary closure to a window casing, the combination of a pin fitted in the casing and directed transversely thereof, a U-shaped handle adapted to be attached to the interior of the closure to engage said pin, said handle having legs for rigid attachment to the closure and an elongate portion interconnecting the legs, said portion being resilient so as to urge the closure toward said pin to hold the closure against the casing and said resilient portion having a substantially straight surface at and adjacent the point of engagement with the pin allowing a sliding adjustment of the handle relative to the pin to adjust the closure lengthwise of the casing, and means for rigidly attaching said legs to the closure so that the handle may be used accurately to position the closure relatively to the window casing.



2,596,907
FURNACE DRAFT REGULATOR
Elmer A. Lucas, Edgewood, R. I.; W. Ward Harvey, Newport, R. I., executor of said Elmer A. Lucas, deceased, assignor to Luella E. Lucas, Newport, R. I.
Application October 27, 1948, Serial No. 56,691
1 Claim. (Cl. 236—45)

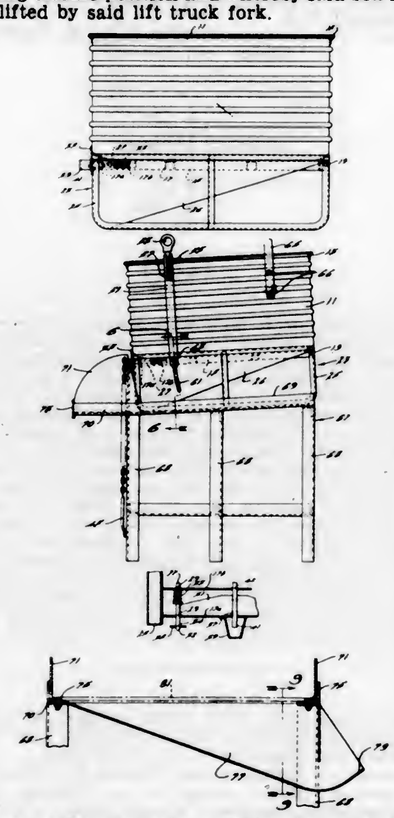


A furnace draft regulating system comprising a furnace, a chimney, a flue interconnecting the furnace and the chimney, a collapsible chamber, a draft regulator for a furnace flue comprising a collapsible chamber, a duct providing unimpeded communication between the chamber and the flue, said chamber having a movable wall responsive to variations in the draft through the flue, in the flue between the duct and the furnace a damper movable between an operative and an inoperative position, and means linking the wall to the damper for moving the latter to an operative position as the wall responds to an increase in the draft, said duct being connected to the flue intermediate the damper and the chimney, whereby sudden changes in atmospheric pressure transmitted through the chimney are prevented from increasing the draft through the furnace.

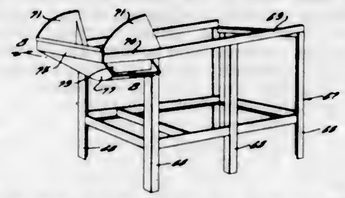
2,596,908
DUMPING BOX AND SUPPORTING STRUCTURE THEREFOR WITH MEANS FOR RECEIVING CONTENTS OF SAID BOX
Brouwer D. McIntyre and William D. McIntyre, Monroe, Mich., assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application February 27, 1948, Serial No. 11,536
8 Claims. (Cl. 222—185)

1. A self-contained portable dumping box structure including a box portion, a bottom clo-

sure pivotally connected with said box portion adjacent the rear wall thereof for swinging movement toward and away from said box, a pair of laterally spaced spring pressed plungers slidably supported in said bottom portion and having the forward ends thereof resiliently held in a forwardly projecting relationship with respect to the forward edge of said bottom closure, means operatively connecting said plungers for coordinated movement, a pair of laterally spaced latch-engaging members connected with said box portion for releasably engaging said plungers and holding said bottom closure in an upwardly swung closed position with respect to said box portion, said plunger connecting means being operable to move said plungers out of engagement with said latch-engaging elements and thereby permit said bottom to swing downwardly about its pivotal connection, a supporting structure connected with said box portion for supporting the latter on a supporting surface, said supporting structure having an opening adjacent the rear wall of said box portion to permit the entrance of a fork of a lift truck between said bottom closure and said supporting surface whereby said bottom closure may be engaged by the fork of a lift truck and moved from its downwardly swung open position to its upwardly swung closure position and whereby said box may be lifted by said lift truck fork.

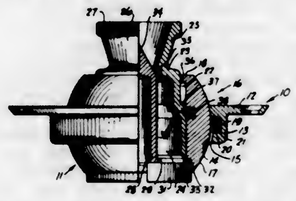


3. A self-contained portable dumping box structure including a box portion, supporting structure connected with said box portion for supporting the latter on a supporting surface, a bottom closure pivotally connected with said box portion adjacent the rear wall thereof for swinging movement toward and away from said box portion, means on said box structure adapted to be connected to a lifting device such as a lifting crane or the like for use in lifting said dumping box structure and including a rigid strap connected at one end to said bottom closure so that swinging movement of said bottom closure in either direction will cause vertical movement of said strap, said strap having the



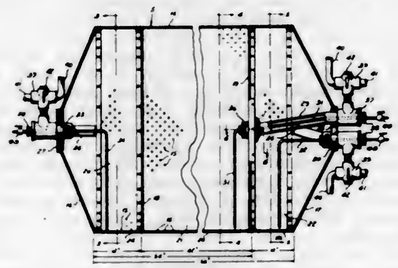
opposite end projecting above the top of said box portion, means connecting said strap means to said box portion for relative vertical movement with respect thereto, means on the upper projecting portion of said strap means adapted to be connected to the lifting device whereby when the means including the strap means are lifted said bottom closure will be swung to its closure position prior to the lifting of said box structure by said lifting device.

2,596,909
VALVE DEVICE
Frank J. Mufich, Inglewood, Calif., and Howard S. Ross, Twin Falls, Idaho, assignors to Wemac Company, Inglewood, Calif., a copartnership composed of Frank J. Mufich and John J. Mufich
Application January 15, 1948, Serial No. 2,498
19 Claims. (Cl. 98—40)



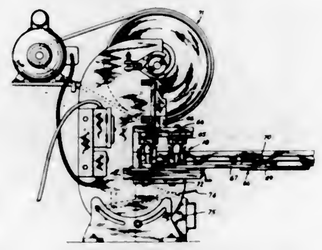
1. A valve of the type described, comprising: a valve body having surfaces defining a substantially hollow zone of a sphere; a tubular member mounted within said body with the longitudinal axis thereof substantially normal to the planar surfaces of said body, said tubular member having a constriction therein adjacent one end thereof forming an inwardly extending annular shoulder; a discharge nozzle coaxially extending outwardly from the constricted end of said tubular member; valvular means; means for mounting said valvular means coaxially of said tubular member for reciprocal movement relative thereto, said valvular means including an acuate terminal portion movable therewith into and out of engagement with said shoulder; said terminal portion being of such a length as to coaxially extend into said nozzle in all positions of adjustment of said valvular means relative to said shoulder; and a mounting member for said valve body having an axial bore with a spheroidal wall forming a seat conforming to the spherical surface of said valve body and rotatably supporting the same.

2,596,910
DECATIZING CYLINDER
Armand L. Nazzaro, Montclair, N. J.
Application January 30, 1948, Serial No. 5,231
6 Claims. (Cl. 68—8)



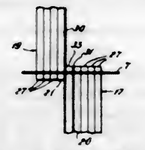
6. A rotatable decatizing cylinder having a peripheral wall provided with a plurality of circumferentially extending endless zones, said zones being spaced axially on said wall and being of definite fixed widths effective for the fluid treatment of textile material of approximately like and selectively combined like widths when the material is disposed about said wall, said cylinder being interiorly provided with fluid supply compartments of definite fixed lengths defining said zones, respectively, and for rendering the latter effective, and conduit means effective for supplying said compartments selectively and independently with fluid.

2,596,911
SHEET METAL PUNCHING APPARATUS
Harry Nelson, New York, N. Y., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application September 14, 1948, Serial No. 49,271
8 Claims. (Cl. 164—85)



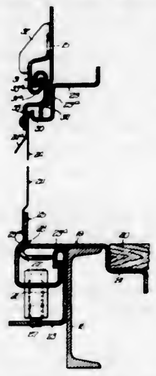
1. Sheet metal punching dies comprising two pairs of simultaneously operable dies, including die blocks and reciprocable punches, each pair of dies being carried by a separate base and punch plate and being relatively movable to adjust the distance between the pairs of dies, the corresponding dies of each pair being aligned for receiving an end of an elongated member and punching a plurality of holes therein in a single operation, and the two dies of at least one of the pairs being differently shaped so as to punch non-similar holes in the two ends of the elongated member, and means for accurately locating the ends of the member relative to the dies during the punching operations.

2,596,912
MULTIGAP MAGNETIC TRANSDUCER HEAD
Herman Nygaard, Poughkeepsie, N. Y., assignor to Daystrom Electric Corporation, a corporation of Delaware
Application August 13, 1948, Serial No. 44,174
5 Claims. (Cl. 179—100.2)



1. In magnetic sound record equipment, a magnetic sound head comprising a plurality of ferromagnetic laminations bonded together in magnetic contact and forming a magnetic core of substantially rectangular shape with the planes of the laminations substantially parallel to the plane of the rectangle, one of the sides of the rectangle being split athwart the core to provide a nonmagnetic gap, the portions of the said side overlapping each other in the plane of the rectangle adjacent the gap, a nonmagnetic spacer in the said gap magnetically insulating the said portions from each other, and a nonmagnetic lamination interposed between two of the ferromagnetic laminations of one of the said portions so as to insulate magnetically the ferromagnetic lamination of the said portion adjacent the gap from the other ferromagnetic laminations of the said portion.

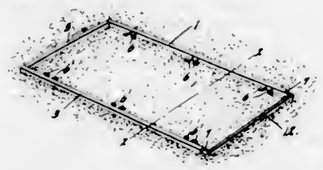
2,596,913
RAILWAY CAR SIDE DOOR
Karl F. Nystrom, Nashotah, Wis.
Application March 13, 1948, Serial No. 14,777
3 Claims. (Cl. 20—26)



1. In a railway car provided with a side plate throughout its length, the lower marginal portion of the side plate being outwardly offset, a side door opening, a header plate for the door opening intimately secured to the car side plate with its lower marginal portion bent into channel form to receive the lower edge of the side plate, and a slidingly mounted door; a vertically disposed hood member intimately secured at its upper portion to the car side plate while its lower portion is bent outwardly downwardly and the lower marginal portion bent inwardly toward the car into channel form of U-shape cross-section; and a door top plate disposed upwardly and bent inwardly above the door and thence vertically

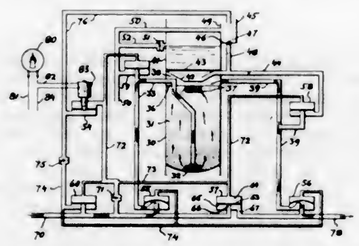
into substantially parallel relation with the side plate with its upper marginal portion bent into inverted U-shape and extending into the channel of the hood member and preventing disengagement of the door, the inwardly bent portion of the door top plate being adapted to effect sealing relation with the offset portion of the car side plate when the door is in closed position.

2,596,914
METHOD OF MAKING CONCRETE BUILDING UNITS
Nicholas Placentino, Atlantic City, N. J.
Application December 9, 1948, Serial No. 64,388
1 Claim. (Cl. 25—154)



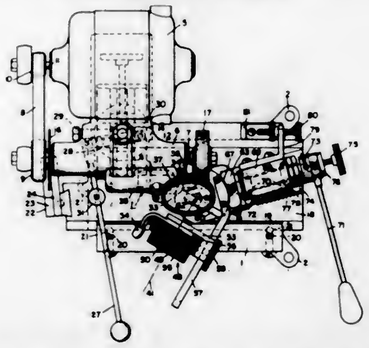
The method of forming a concrete building unit having side flanges and a bottom or end flange, which consists in preforming a concrete side flange having a longitudinally extending reinforcement with integral anchors projecting laterally through the flange, sinking a pair of side flanges so formed in spaced relationship, and with their anchors opposed, into soil for about half their depth, placing a bottom or end flange between one end of the side flanges and a gate against the other end of the side flanges, pouring a relatively thin layer of concrete between all the flanges and the gate to form part of the body portion of the unit, placing a wire reinforcement between the flanges and imbedding same in the wet concrete and securing same to the laterally projecting anchors, placing a further layer of concrete over the wire reinforcement and levelling the same off flush with all the flanges to thus form the complete unit, letting the unit harden and removing the gate.

2,596,915
APPARATUS FOR TREATING WATER
Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application July 24, 1948, Serial No. 40,528
12 Claims. (Cl. 210—24)



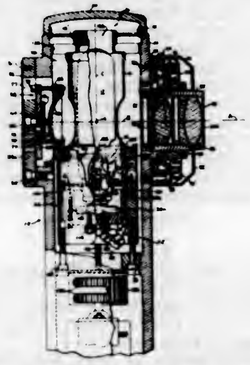
3. A water treating apparatus adapted to be operated in a cyclic sequence of steps including normal service and regeneration, and comprising a tank for ion exchange material, a regenerant chamber, a head box, a restricted flow passage from said head box to said regenerant chamber, a supply connection leading from said tank and adapted to be connected to a source of water under pressure, a supply diaphragm valve in said supply connection, an outlet connection leading from said tank and adapted to be connected to a point of use, an outlet diaphragm valve in said outlet connection, an inlet connection leading from said regenerant chamber to said tank, an inlet diaphragm valve in said inlet connection, a waste connection leading from said tank and adapted to be connected with a point of disposal for waste water, a waste diaphragm valve in said waste connection, each of said diaphragm valves having a pressure chamber and being arranged to close on application of pressure to said pressure chamber, passage means leading from said supply connection to the pressure chambers of said supply and outlet diaphragm valves, control valve means in said passage means, permanently open flow passage means communicating with the pressure chambers of said supply and outlet diaphragm valves and leading to a point of atmospheric pressure, permanently open flow passage means leading from said supply connection to the pressure chambers of said inlet and waste diaphragm valves, flow passage means communicating with the pressure chambers of said inlet and waste diaphragm valves and leading to a point of atmospheric pressure, at least one of said points of atmospheric pressure being located in said head box, other control valve means in said last-named flow passage means, and means for closing both said control valve means during normal service and for opening both said control valve means during regeneration.

2,596,916
DRILL GRINDER
William E. Raney, Cleveland, Ohio
Application November 12, 1948, Serial No. 59,700
22 Claims. (Cl. 51—219)



1. The combination with a rotary grinding wheel and means for driving said grinding wheel, of a gage adjacent one side of said wheel, a chuck adapted to hold a tool, and a member supporting said chuck for movement relative to said gage in a direction parallel to the axis of said wheel between positions with such tool set against said gage and disposed opposite the peripheral surface of said wheel and for movement along a predetermined path toward said wheel with such tool contacting the peripheral surface of said wheel.

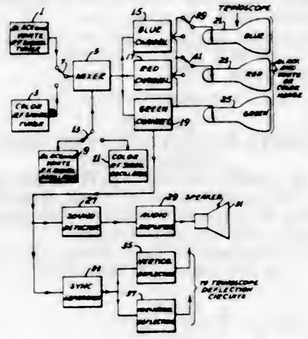
2,596,917
PROJECTION APPARATUS
Joseph D. Reardon, Snyder, and Leslie J. Peters, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 28, 1948, Serial No. 46,652
19 Claims. (Cl. 240—41)



1. A device for use with a lamp having a base and a filament exactly positioned relative to said base for predeterminedly positioning said filament relative to an optical axis comprising a lamp positioning means predeterminedly attached to said lamp base and extending laterally therefrom, a lamp shield for substantially surrounding said lamp having a leading portion for bearing against said lamp positioning means in a given direction, socket means for slidably receiving said lamp positioning means and said leading portion of the lamp shield and for determining the lateral position thereof, resilient means fixedly mounted relative to said socket for bearing against one of said lamp base and lamp positioning means and applying a bias thereto in a direction opposite to said bearing direction of the leading portion of the lamp shield, and mutually engaging and coacting connection means carried by said lamp shield and said socket means and spaced from said lamp positioning means for releasably locking said lamp shield at a predetermined depth in said socket means under bias conveyed thereto from said resilient means whereby the position of said leading portion of the lamp shield is predeterminedly established in said socket means and said portion and said lamp positioning means are held in contact at a predetermined position relative to said optical axis.

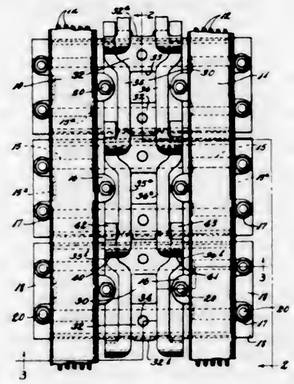
2,596,918
TELEVISION RECEIVING SYSTEM
Alfred C. Schroeder, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1948, Serial No. 5,437
8 Claims. (Cl. 178—5.4)

1. In a color television system having an electrical signal channel for each of a plurality of different signal trains representative of each of a plurality of different selected component colors and employing a plurality of different selected component color image reproducing devices arranged to form color separation images in registry to reproduce an image in substantially its natural color, a connection between one of said channels and a corresponding one of said color image reproducing devices, and a circuit switching arrangement to selectively connect in one position the other of said image reproducing devices to their corresponding color signal chan-



nels and in another position to connect the said other of said image reproducing devices to said one channel.

2,596,919
BAND TRACK
Robert W. Smith, Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application March 23, 1948, Serial No. 16,539
8 Claims. (Cl. 305—10)



1. A band track for disposition about fore and aft spaced wheels of a self-laying track-type vehicle to provide a ground-contacting reach of the track free of bogie-wheel contact between the wheels for supporting the vehicle from the ground, said track comprising a substantially inextensible flexible band extending longitudinally of the track and having a surface for directly engaging said wheels, said band having flexible tension-resisting elements for resisting stretch of the band, a series of plates secured to and mounted upon said band in abutting contact one with another in succession at the plane of the tension-resisting elements to sustain longitudinal compression loads on the track, guide flanges upstanding from said plates at the inner face of the track for guiding engagement with said wheels, said guide flanges having portions overlapping each other in succession to prevent sidesway of the track in the reach between the wheels, and laterally extending lugs on said

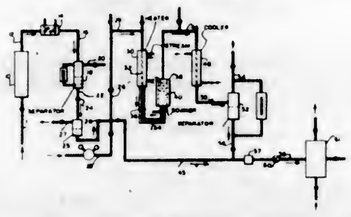
plates for limiting upward bowing of said track at said ground-contacting reach by abutting engagement of lugs on successive guide flanges throughout said reach to provide a trussed reach of the track from wheel to wheel, said tracking being bendable in the opposite direction with separation of said lugs to permit travel of the track about said wheels.

2,596,920

SYNTHESIS OF OXYGENATED ORGANIC COMPOUNDS

Warren M. Smith and William D. Luening, Baton Rouge, La., and Stanley C. Lane, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 30, 1948, Serial No. 41,668
20 Claims. (Cl. 260—604)



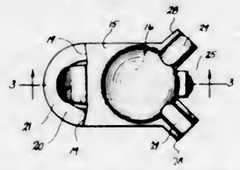
1. In a continuous carbonylation process wherein carbon compounds containing olefinic double bonds are contacted in an initial reaction zone with carbon monoxide and hydrogen in the presence of cobalt catalyst under conditions to produce reaction products comprising oxygenated organic compounds containing one more carbon atom than said carbon compounds, which reaction conditions comprise pressures of about 100 to 300 atmospheres, and wherein cobalt compounds including cobalt carbonyls are dissolved in said reaction products, the improvement which comprises passing said reaction products and the therein dissolved cobalt compounds to a catalyst decomposition zone, maintaining catalyst decomposition conditions comprising pressures substantially lower than in said initial reaction zone and just sufficient to prevent substantial vaporization of liquid reaction products at decomposition temperatures and temperatures in the range of from about 200° to about 400° F. whereby a high cobalt carbonyl decomposition rate is maintained and substantial vaporization of liquid prevented, and removing a liquid product comprising aldehydes substantially free of dissolved catalyst from said catalyst decomposition zone.

2,596,921

CIGARETTE AND ASH TRAY FOR SAUCERS

Clare A. Stodgell, Seattle, Wash.

Application April 19, 1948, Serial No. 21,821
2 Claims. (Cl. 131—241)



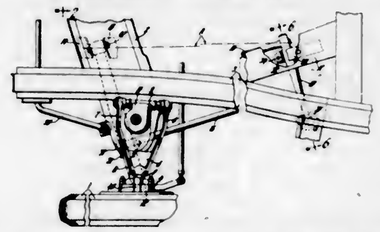
1. A cigarette tray formed of a resilient sheet of material and having a horizontally disposed body formed adjacent one end portion with a depressed concavo-convexed portion constituting a cup, wings extending horizontally from the said end of said body and having longitudinally extending grooves defining cigarette receiving channels having inner ends communicating with said cup, a tongue between said wings extending downwardly from a marginal portion of the body and constituting a leg of greater length than the depth of said cup, the other end portion of said plate being offset downwardly and constituting a mounting flange connected with the body by a transversely extending vertical wall, and a tongue struck from the flange and the wall and projecting outwardly from the body intermediate the width of the flange and spaced upwardly from the flange and together therewith providing jaws for firmly gripping upper and lower surfaces of a saucer and detachably mounting the ash tray thereon, said wall constituting a stop for engagement with the edge of said saucer.

2,596,922

TORSION BAR SUSPENSION FOR INDIVIDUAL WHEEL MOUNTINGS

Louis Thoms, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 31, 1948, Serial No. 5,660
8 Claims. (Cl. 280—96.2)



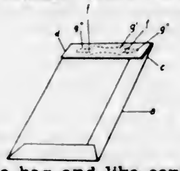
7. In a spring suspension for a vehicle having a frame and a road wheel, a first arm swingably connected at opposite ends thereof to the frame and wheel, a torsionally elastic second arm constituting the principal spring element of the suspension, said second arm being rigidly connected at one of its ends to the first arm and disposed generally perpendicularly thereto, an anchor member locked to the opposite end of the second arm, and means rotatably securing said anchor member to the frame for rotation about an axis generally perpendicular to the second arm.

2,596,923

CLOSING DEVICE FOR PAPER BAGS

Adolf Bossart, St. Gallen, Switzerland, assignor to Otto Frischknecht, St. Gallen, Switzerland

Application January 30, 1947, Serial No. 725,222
In Switzerland March 14, 1946
2 Claims. (Cl. 229—65)



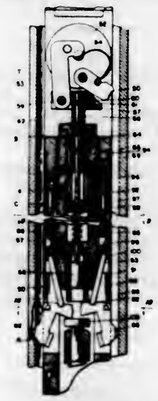
1. A closable bag and like container comprising three sections; upper section, intermediate section and lower section, respectively, said sections being positioned adjacent the opening of said bag and being divided from each other by two folds, said upper section and said lower section being each provided with a pair of perforations, said intermediate section being devoid of perforations, respective perforations of said pairs of perforations being disposed in alignment with each other, the pair of perforations of said upper section being positioned contiguous to the pair of perforations of said lower section in folded condition of said sections to thereby close said bag, and substantially flat closure means provided with an enlarged median portion and opposite lateral arms extending from said median portion and smaller in width than that of said median portion, said lateral arms being insertable into said perforations of both said upper section and said lower section, respectively, to maintain all said sections in folded condition, said arms being substantially hidden from view by said intermediate section in closed position of said bag.

2,596,924

TUBING CALIPER WITH LATCH MEANS

John V. Fredd, Dallas, Tex., assignor to Otis Pressure Control, Inc., Dallas, Tex., a corporation of Delaware

Application June 9, 1949, Serial No. 97,940
10 Claims. (Cl. 33—178)



1. In an internal tube wall calipering device adapted to be passaged through successive tube sections joined by couplings, the combination comprising an elongated housing, a plurality of calipering members mounted for lateral movement between said housing and the tube wall being calipered, said calipering members each having an inwardly extending part and a retractable outwardly projective part, resilient means for urging said retractable parts toward contact with the tube wall, latching means adapted to engage said inwardly extending parts and thereby maintain said outwardly projective parts retracted in opposition to said resilient means during passage of the device in a non-calipering direction, an outwardly projective dog pivotally mounted in the housing, means for resiliently urging the projective end of the dog outwardly toward contact with the tube wall, said end when in projected position being adapted to slide across said couplings as the device is passaged in a non-calipering direction and to engage adjacent a coupling upon passage in the opposite direction, and means actuated by such engagement for simultaneously retracting said dog and releasing said latching means for engagement with the inwardly extending parts of said calipering members.

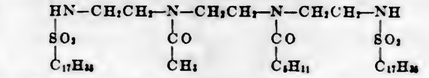
2,596,925

METHOD OF INHIBITING FOAM FORMATION IN STEAM GENERATION

Lewis O. Gunderson, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 31, 1948, Serial No. 68,760
1 Claim. (Cl. 252—321)

The method of inhibiting foam formation in water having a tendency to foam on boiling which comprises dispersing into said water in an amount sufficient substantially to inhibit said tendency, a compound having the formula



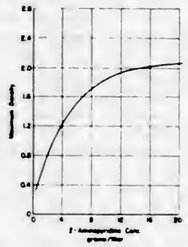
and boiling the resulting dispersion to generate steam therefrom.

2,596,926

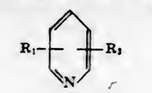
PREPARATION OF AZINE DYE IMAGES

Robert C. Gunther, Easton, Pa., and Vsevolod Tulagin, Phillipsburg, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

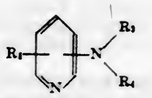
Application December 16, 1949, Serial No. 133,464
8 Claims. (Cl. 95—2)



1. In the process of producing brilliant azine dye images through improved color rendition which comprises developing an exposed silver halide emulsion in the presence of a color former capable of reacting with the oxidation products of a 2,4-diaminoaniline to yield an azine dye image with a developing agent containing a 2,4-diamino aniline and a small quantity of a pyridine derivative selected from the class consisting of those of the following formulae:

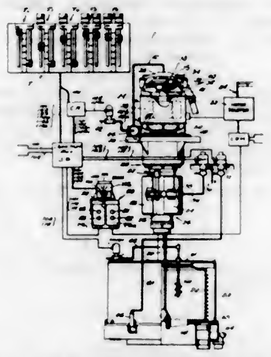


and



wherein R_1 is selected from the class consisting of hydrogen, lower alkyl and hydroxyalkyl, R_2 is selected from the class consisting of lower alkyl and hydroxyalkyl, and R_3, R_4 and R_5 are a member of the class consisting of hydrogen, hydroxyalkyl and lower alkyl.

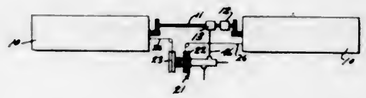
2,596,927
CENTRIFUGAL MACHINE CONTROL ORGANIZATION
Joseph Hertrich, Hamilton, Ohio, assignor to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah
Application June 20, 1947, Serial No. 756,073
3 Claims. (Cl. 192—144)



1. In a centrifugal machine comprising a basket-carrying spindle, rotary driving means including an electric motor and a hydraulic coupling connected to transmit torque from said motor to said spindle, and a brake having brake setting means connected to stop rotation of said spindle, said brake setting means including an air cylinder, an air pressure line connected to said cylinder and a solenoid valve normally closing said line, motor switch means connected with and movable to energize and deenergize said motor, an oil supply line leading into said coupling having a solenoid valve normally closing said line, said coupling having means for continuously discharging oil therefrom, adjustable electrical timer mechanism comprising at least one switch moved at a predetermined time after the timer is activated, according to its setting, a master switch movable manually to different positions, electrical connections from said master switch to said oil solenoid valve and said timer mechanism, respectively, operative at one position of said master switch to open said valve and activate said time mechanism simultaneously, and electrical connections from said timer switch to said oil solenoid valve and said air solenoid valve respectively, responsive to the timed movement of said timer switch to close said oil solenoid valve and open said air solenoid valve simultaneously, whereby after a predetermined period of running the machine the basket-carrying spindle is automatically stopped while the master switch is at said position and while the driving motor may continue energized and running.

2,596,928
SAFETY DEVICE
Howard J. Ide, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application September 19, 1947, Serial No. 775,010
18 Claims. (Cl. 192—116.5)

1. A system of the type described for arresting, upon desynchronization, the movement of movable objects normally synchronously moved by prime-mover means, comprising: a plurality of members, each rotatively connected to a corresponding movable object, and each including means operative on the similar means disposed on the other member during equiangular rotational movements thereof to space each member from the other and operative on the means located on the other member upon unequal angular movements thereof to enable juxtaposition of same; normally inactive fluid-controlled braking means connected to said prime-mover means; a pressure fluid line leading to said brake-control-



ling means; and fluid-flow controlling means interposed in said line and having a movable member urged by said pressure fluid against said rotary members and positioned by spaced rotation thereof so as to deactuatingly direct pressure fluid to said braking means, and positioned by juxtaposed rotation thereof so as to actuatingly direct pressure-fluid to said braking means, thereby to arrest said prime-mover means.

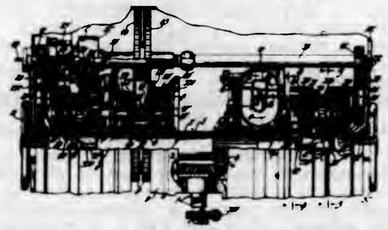
2,596,929
PLANT GROWTH IMPROVEMENT
John F. Kagy, Long Beach, and Robert R. McPherson, Millbrae, Calif., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 31, 1948, Serial No. 5,674
4 Claims. (Cl. 71—2.7)

2. A method for improving the growth characteristics of established plants which comprises the step of introducing into soil of the rhizosphere of the plant a solution of ethylene bromide in water, the ethylene bromide being supplied in an amount equal to from 1.125 to 18.0 pounds per 100 cubic yards of coil wetted by the solution.

2,596,930
SYNTHETIC RESINS PREPARED FROM BIGUANIDE - ALDEHYDE CONDENSATION PRODUCTS
Donald W. Kaiser, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 16, 1946, Serial No. 703,481
10 Claims. (Cl. 210—24)

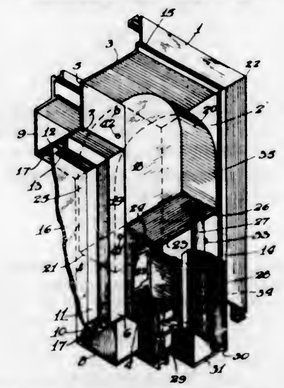
1. A water-insoluble, granular, anion active synthetic resinous material obtained by bringing about reaction between formaldehyde, as the sole aldehyde, and the monomeric organic heat condensation product of a member of the group consisting of biguanide, mono- and di-monovalent hydrocarbon- and furfuryl-substituted biguanides, and their salts with a carbonyl compound containing only carbon, hydrogen and oxygen and selected from the group consisting of aldehydes having from 2 to 10 carbon atoms and ketones having from 3 to 9 carbon atoms, permitting the reaction product so obtained to gel, curing the gel by heating, and granulating the cured gel, the relative molar proportions of said member to said carbonyl compound in said condensation product being from 1:1 to 1:2.

2,596,931
CROSS DRIVE FOR HEAVY VEHICLES
Oliver K. Kelley, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 21, 1947, Serial No. 762,414
23 Claims. (Cl. 74—710.5)



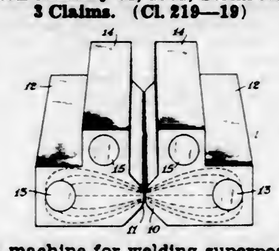
1. In power drives for power steered vehicles, an engine, a pair of differentially driven load shafts arranged to provide vehicle steering by differential rotation, a torque dividing gear unit driven by said engine, torque-combining gearing adapted to drive said load shafts, a driving train coupling said unit with said gearing including a fluid torque converter coupled to said unit and driving thru selectively operated step ratio gears to provide variable torque components to said gearing, a second driving train coupling said unit and said gearing arranged to provide equal coupling and to provide positive and negative torque coupling for selective steering of the vehicle, and operator-operated means consisting of ratio-establishing mechanism and control devices therefor effective to select said equal or positive and negative steering coupling by said second driving train.

2,596,932
SASH BALANCE
Ward P. Kessler, near Bristol, Ind., assignor to Victor M. Langsett, Chicago, Ill., as trustee
Application July 29, 1947, Serial No. 764,402
6 Claims. (Cl. 189—72)



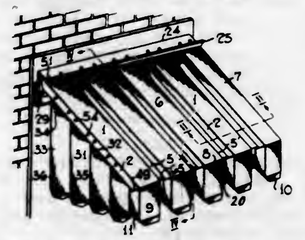
3. A window construction having a fixed upper sash and vertically slidable lower sash comprising a formed main frame with horizontal and vertical members; a vertically slidable lower sash; vertical side members of said main frame having recesses in each member thereof adjacent to and extending behind the frame surfaces thereof supporting the glass in the fixed upper sash, below the upper horizontal frame member and above said slidable lower sash, adapted to receive and support a spring balance in each of said recesses; a spring balance positioned in each recess abutting against the adjacent frame surfaces and resting upon the frame surface comprising the bottom of said recess; a balance tape depending from each balance laterally of said fixed sash and attached to said lower sash; and means detachably fastened to said vertical members for concealing said balance tapes and supporting said balances consisting of facing strips contacting said balances.

2,596,933
MEANS FOR WELDING PLASTIC FILMS
Elmer L. Kirk, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application January 31, 1951, Serial No. 208,732
3 Claims. (Cl. 219—19)



1. In a machine for welding superposed layers of thermoplastic films, an opposed pair of welding shoes made of a dense and thermally conductive metal of high heat capacity, each such shoe having a toe with a slightly crowned working face, a rearwardly extending solid metal main body with a socket distant from and parallel to said working face, for insertion of a heating element, and a monitor member vertical to the said main body, disposed rearwardly from the working face and ahead of the heater socket, said monitor having a socket therein out of the direct paths of heat flow from the heater to the working face, for insertion of a thermoswitch.

2,596,934
VENTILATED RIGID AWNING
Fred Langbein, Kenilworth, N. J.
Application October 7, 1949, Serial No. 120,183
3 Claims. (Cl. 20—57.5)



1. In a rigid ventilated awning to be mounted over an opening in a building and having at least one sloping raised portion and adjacent gutter portion running lengthwise the awning, means for mounting the upper section of said sloping portion to the building above the opening, and a forward downwardly directed apron section

comprising extensions of said sloping portions mounted on a horizontal channel member from the sides of which extend angularly directed supports attachable to the building, to which supports are attached a multiplicity of side baffles for deflecting rain, the improvement comprising sloping portions substantially consisting of shaped sheet units consisting of a wide raised channel section, an outer downwardly directed narrow side and an oppositely disposed wide side extending therefrom, a horizontally directed narrow gutter section extending from said wide side, and a vertically upwardly directed narrow side extending from the side edge of said gutter section, said shaped sheet units being disposed alongside each other, the outer downwardly directed narrow side of the channel section of one shaped sheet unit being disposed in spaced overlapping relation to the narrow side of the gutter section of the next adjacent shaped sheet unit and attached thereto with sufficient vertical clearance between the entire edge of said outer downwardly directed narrow side and the gutter section and sufficient horizontal clearance between the adjacent overlapping short sides of the channel and gutter sections to provide substantial air circulation therethrough, said raised channel sections of all shaped sheet units being horizontally in line with each other, a channel member having downwardly directed sides and acting as a terminal shaped sheet unit for said awning, inwardly bent lips projecting from the sides of the raised channel members in the apron section, means for attaching said lips to said horizontal channel member of the apron section, and an upwardly raised side on said horizontal channel member, projecting at an angle, parallel to and fitting tightly against the lower gutter sections of said sloping portion.

2,596,935

NITROGEN-PHOSPHORUS COMPOSITION AND PROCESS FOR SAME

John E. Malowan and Forrest R. Hurley, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 30, 1948, Serial No. 68,402

5 Claims. (Cl. 23—14)

1. The process for preparing a nitrogen-phosphorus containing product which comprises reacting anhydrous ammonia with phosphoryl chloride dissolved in a hydrocarbon solvent having a boiling point above 200° C. until at least 5 moles of ammonia per mole of phosphoryl chloride have been combined and then heating the reaction product in said solvent to a temperature above 155° C. but below 250° C., dissolving ammonium chloride present in the reaction product by leaching with water and then drying the said nitrogen-phosphorus containing product.

2,596,936

GLOWPROOFING COMPOSITION COMPRISING PHENOL-ALDEHYDE RESINS AND WATER-INSOLUBLE REACTION PRODUCT OF PHOSPHORYL CHLORIDE AND ANHYDROUS AMMONIA

Morris L. Nielsen and Howard K. Nason, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 30, 1948, Serial No. 68,405

8 Claims. (Cl. 260—30.6)

1. A glowproofing composition comprising the combination of a phenol-aldehyde resin and the water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia, said water-insoluble product having a N/P ratio between 1.5:1 and 2.0:1.

2,596,937

INTUMESCING COMPOSITION COMPOSED OF A NITROGEN PHOSPHORUS COMPOUND WITH AN ALDEHYDE RESIN

Morris L. Nielsen, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 30, 1948, Serial No. 68,406

7 Claims. (Cl. 260—39)

1. An intumescing composition composed of the water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia, said water-insoluble product having a nitrogen/phosphorus ratio between 1.72:1 and 1.80:1, in combination with a resin selected from the group consisting of the reaction products of an aldehyde with a member of the class consisting of urea, melamine and dicyandiamide.

2,596,938

COATING COMPOSITION COMPOSED OF NITROGEN - PHOSPHORUS COMPOUND WITH AN ALDEHYDE RESIN TOGETHER WITH A WATER-SOLUBLE ALKYD RESIN

Morris L. Nielsen, Russell W. Arnold, and Earl C. Chapin, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 30, 1948, Serial No. 68,407

6 Claims. (Cl. 260—29.4)

1. A film-forming coating composition characterized by fire-retarding properties, said coating composition being composed of a dispersion of water and the following components dispersed therein:

	Per cent
Water-soluble resin selected from the group consisting of melamine-formaldehyde and urea-formaldehyde condensation products	10–50
The water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia, having a N/P ratio within the range of 1.72:1 to 1.85:1	10–90
Water-soluble alkyd resin from a-hydroxy polycarboxylic acid and a polyhydric aliphatic compound	3–25

wherein the percentage compositions refer to the total solids.

2,596,939

FIRE RETARDING COATING COMPOSITION COMPOSED OF A NITROGEN-PHOSPHORUS COMPOUND WITH AN ALDEHYDE RESIN AND POLYHYDROXY ALCOHOL

Morris L. Nielsen and Paul E. Marling, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 30, 1948, Serial No. 68,408

4 Claims. (Cl. 260—29.4)

1. A fire-retarding coating composition consisting of a dispersion of water, the water-insoluble reaction product of phosphoryl chloride and anhydrous ammonia, said water-insoluble product having a nitrogen/phosphorus ratio between 1.72:1 and 1.80:1, a resin selected from the group consisting of amine-aldehyde and amide-aldehyde resins, and as a plasticizer therefor a polyhydroxyl compound of the group consisting of mannitol, sorbitol and pentaerythritol, which plasticizer is present in said fire-retarding composition to the extent of from 1% to 10% by weight based upon the weight of the said aldehyde resin.

2,596,940

DRIVE FASTENER

Ouglesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application May 17, 1946, Serial No. 670,610

4 Claims. (Cl. 85—5)



1. A fastener comprising a head part and a stud part formed from a one-piece sheet metal blank, the head part being formed from one end of the blank and joined to the stud part by an integral connection portion substantially perpendicular to the plane of the head part, the line of connection of the head part and stud portion lying well within the peripheral margin of the head part, the opposite end portion of the blank extending toward the head part in diverging relation to an intermediate portion of the blank to form spaced stud sections relatively yieldable toward each other and integrally joined by a resilient pilot section, said stud part having laterally projecting wing sections subjacent the head and between the stud section formed from said other end portion of the blank and the head part to provide abutment means for the head part.

2,596,941

PROCESS OF MANUFACTURING ARTIFICIAL DENTURES AND SEMIMANUFACTURED DENTURES TO BE UTILIZED BY SAME PROCESS

Newton Dinis Quintella, Rio De Janeiro, Brazil

Application June 27, 1950, Serial No. 170,519

In Brazil February 6, 1950

3 Claims. (Cl. 32—2)



1. A partially-formed denture having a base portion of material suitable for the base portion of a completed denture, and a plurality of teeth fixed in said base portion, said teeth being devoid of their incisal and occlusal surfaces and having inner walls defining spaces extending longitudinally of the teeth inwardly from their outer ends.

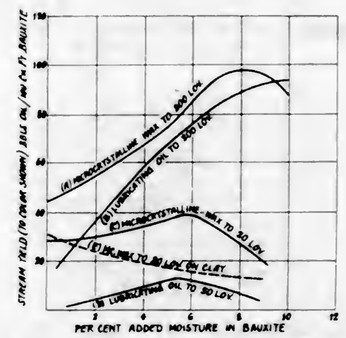
2,596,942

FILTRATION OF OILS AND WAXES WITH BAUXITE

Donald W. Robertson, West Hempstead, and Charles F. Duchacek, Long Island City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application July 14, 1949, Serial No. 104,696

3 Claims. (Cl. 196—147)



1. That method of reducing the color of petroleum stocks such as oils and waxes by filtration with bauxite in a state of hydration obtained by heating the bauxite to a temperature of the order of 750° F. for a period of two hours and then adding thereto at least about 2% by weight of water, based upon the heated bauxite weight.

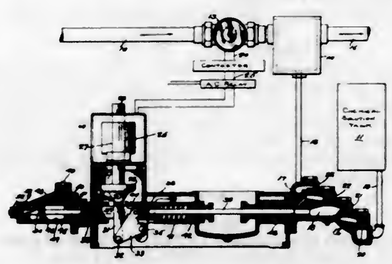
2,596,943

PROPORTIONAL FEED SYSTEM

Robert T. Sheen, Wyndmoor, Philadelphia, Pa., assignor to Milton Roy Company, Springfield, Pa., a corporation of Pennsylvania

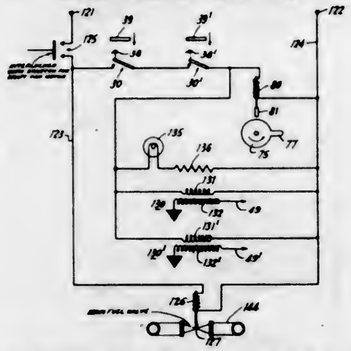
Application March 13, 1946, Serial No. 654,179

6 Claims. (Cl. 103—53)



1. In an electric proportioning pump for supplying liquid to a system in response to electric circuit operation by flow in the system, a solenoid adapted to be energized at intervals by the electric circuit operation, a positive displacement pump operatively connected to the solenoid, a shock absorber operatively connected to the pump and controlling the extent and speed of operation of the pump and an adjustable stop in the shock absorber for limiting the length of stroke of the pump.

2,596,944
FURNACE LIGHTER WITH MECHANICALLY INTERLOCKED CONTROLS
Rolfe Shellenberger, Belvidere, and Arthur J. Poole, Belleville, N. J., assignors to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey
Application March 17, 1948, Serial No. 15,434
13 Claims. (Cl. 158—28)



13. In combination with a furnace and its fuel burner, a fluid fuel burning ignition unit for the furnace burner, said unit having a nozzle arranged to deliver fuel therefrom; fluid fuel supply means for said unit; a source of non-combustible fluid under pressure; means for directing the non-combustible fluid through said nozzle to purge the latter of residual fuel and foreign matter; means for igniting the fluid fuel upon its delivery from the nozzle; and mechanical interlock means preventing the introduction of fluid fuel to said unit before purging.

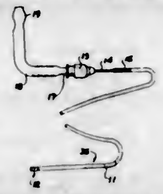
2,596,945
COPOLYMERS OF 1-ALKENYL NITRILES AND ALLYLIC ESTERS OF AROMATIC DICARBOXYLIC ACIDS
Edward C. Shokal, Oakland, and Carl W. Schroeder, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 24, 1947, Serial No. 736,614
9 Claims. (Cl. 260—78.5)

1. A copolymer comprising the product obtained by completely polymerizing a mixture containing as its sole polymerizable components diallyl phthalate and methacrylonitrile wherein the amount of diallyl phthalate in the mixture is between 5% and 45% by weight of the methacrylonitrile.

2,596,946
METHOD FOR PREPARING CRYSTALLINE ANHYDROUS THEOPHYLLINE
George B. Stone, Hempstead, N. Y., assignor to Chas. Pfizer & Co., Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 12, 1949, Serial No. 110,039
12 Claims. (Cl. 260—256)

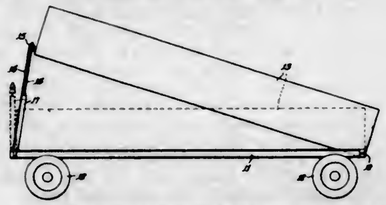
1. A method for preparing crystalline anhydrous theophylline which comprises super-saturating an aqueous solution of theophylline maintained at a temperature between 51.7° C. and about 105° C., and separating the crystals of anhydrous theophylline thus formed from the mother liquor.

2,596,947
INFANT NASAL FEEDING TUBE
Henry Turkel, Detroit, Mich.
Application February 9, 1950, Serial No. 143,307
4 Claims. (Cl. 128—348)



1. A device adapted to permit the introduction of liquids into the stomach of an infant through the nasal passage comprising a flexible open-ended tube, the lower end of said tube having a pair of longitudinally spaced transverse outlets formed therein upon opposite sides thereof, and a hollow fluid delivery needle projected down into and secured within the upper end of said tube, said needle having an enlarged handle portion with an internal inwardly tapered bore in communication with the interior of said needle.

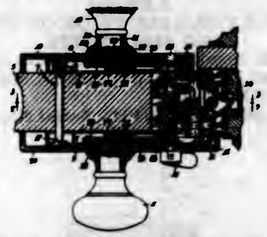
2,596,948
WAGON HOIST
Raymond M. Ulrich, Roanoke, Ill., assignor to Ulrich Foundation, Inc., a corporation of Delaware
Application November 8, 1946, Serial No. 708,773
7 Claims. (Cl. 298—19)



2. In a vehicle, the combination comprising a frame, a body hingedly connected to said frame adjacent the rear thereof, a transverse member pivotally mounted on said frame adjacent the front thereof, means for raising and lowering the front of said body including a hydraulic cylinder and piston rigidly mounted in an upright position on said member, cable and pulley means interconnecting said frame, said body and said piston, means carried by said member for supporting said body in lowered position and for restoring said member to a predetermined position, and adjustable stop means for predetermining the arc through which said member may be rotated rearwardly thereby to maintain the angle between said cylinder and said body relatively small.

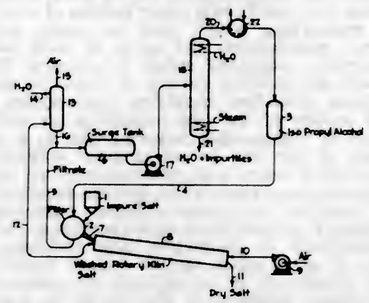
2,596,949
LOCK
Nicholas A. Welch, West Hartford, and William J. Zelgenhein, New Britain, Conn., assignors to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application September 14, 1945, Serial No. 616,354
4 Claims. (Cl. 292—222)

1. In a lock, casing means to embrace opposite sides of a door, latch-actuating means including independent slides carried by said said casing means and arranged for actuating a latch, a pair of opposed spaced-apart axially aligned rotatable hubs carried by said casing means and facing in the direction of spanning the space between opposite sides of the door, dogging means carried at all times by said spaced apart hubs and having a length exceeding the span between said hubs but less than the thickness of the door, said dogging means being keyed to and adapted to slide on both said hubs when otherwise un-



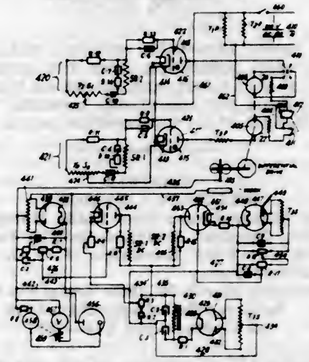
secured, means for selectively securing said dogging means in one axially adjusted position and for selectively securing said dogging means in another axially adjusted position along the alignment axis of said hubs, said dogging means including a dogging member in position to dog one of said slides when said dogging means is secured in said one position and in position to dog the other of said slides when said dogging means is secured in said other position.

2,596,950
METHOD OF PURIFYING AMMONIUM SULFATE
Harold I. Wolff, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 6, 1947, Serial No. 772,563
11 Claims. (Cl. 23—120)



1. The cyclic process for washing ammonium sulfate salt produced by reacting ammonia with spent petroleum refinery sulfuric acid to remove therefrom organic impurities resulting from said reaction comprising the steps of washing said salt with a volatile solvent which is water-soluble and is a solvent for said organic impurities but is a relatively poor solvent for ammonium sulfate to form an extract solution of the solvent and dissolved impurities and undissolved salt residue, separating the said salt residue from the extract, drying the salt residue in a heated gas to vaporize the solvent to form a mixed vapor containing said gas and the vaporized solvent, washing the mixed vapor with an aqueous solvent to form an aqueous solution containing solvent, combining said solution with the said extract solution, subjecting the combined aqueous solution and extract solution to distillation, withdrawing said solvent as a distillation top product, and returning the distilled solvent for the washing of further quantities of the salt.

2,596,951
AUTOMATIC WELDING APPARATUS
Otis Richard Carpenter and Frank W. Armstrong, Jr., Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application November 9, 1946, Serial No. 708,857
2 Claims. (Cl. 219—8)

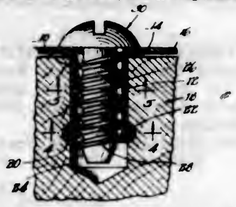


1. In electric welding apparatus of the type in which the relative positions of a pair of electrodes are adjusted by mechanism operable by the driven element of a differential gearing having a pair of driving elements, a pair of high speed direct current, electric motors each operatively connected to one of said driving elements, said motors rotating the driving elements in opposite directions and, when the welding voltage is at a predetermined value, at equal speeds to maintain the driven element stationary; and means, responsive to variations in the welding voltage relative to the predetermined value, for varying the relative speeds of said motors to rotate the driven element to adjust the relative positions of said electrodes; said motors operating at a speed in excess of 5000 R. P. M. so that any such responsive variation in the speeds, effective to produce appreciable movement of the driven element, represents only a small percentage of the motor speeds and the change in rotational inertia is substantially negligible, whereby a fine adjustment of the electrode positions is effected substantially instantaneously in response to such variations in the welding voltage.

2,596,952
EXPANSION INSERT
Edmond C. Crowther, Philadelphia, Pa., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application May 18, 1950, Serial No. 162,677
4 Claims. (Cl. 85—2.4)

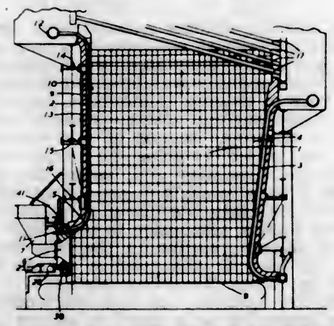
1. A two piece screw accommodating expansion insert of sheet metal having a hollow shank portion, a head structure at one extremity thereof, an expansible section at the opposite extremity, and a split metallic ring member mounted on and supported by the expansible portion of the shank, said ring member having a normal internal diameter less than the maximum diameter of a complemental screw and adapted to be expanded

as a unit with the expansible shank section to effect locking impingement against the wall defining a complemental work aperture, whereby to anchor said insert in a work piece as an incident to the reception of a screw, said expansible shank



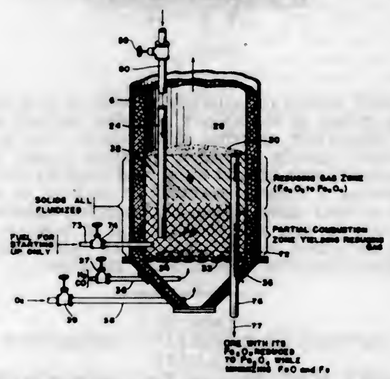
section having means for securing said split ring against axial separation from the entering extremity of said insert, and means on the interior of said shank for operatively coacting with the thread helices of a complemental screw.

2,596,953
FURNACE CHAMBER
Richard Henry Evans and Leslie Percy Purple, London, England, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application March 30, 1946, Serial No. 658,396
In Great Britain April 14, 1945
12 Claims. (Cl. 122—235)



1. A furnace chamber having an upright wall formed with horizontally spaced openings in a lower portion thereof for the passage into the chamber of fuel thrown by fuel distributor mechanism of a spreader stoker and which is provided with tubular liquid cooled wall screening means adapted to operate with natural circulation of the cooling medium and extending at the sides of as well as above the openings, said screening means comprising one header means above said openings and separate bottom header means below said openings and each extending horizontally throughout a distance spanning wall regions at opposite sides of a plurality of said openings, downcomer tubes extending downwardly from positions exteriorly of said chamber to positions within said wall at sides of said openings, said downcomer tubes upon entering said wall continuing downwardly past said one header means and having their lower extremities connected to said bottom header means, and riser means comprising riser tube lengths extending at sides of said openings together with riser tube lengths extending above said openings and distributed throughout wall portions directly above said openings, said riser tube lengths at said sides having their lower extremities connected to said bottom header means and said riser tube lengths above said openings comprising tube lengths having their lower ends connected to said one header means, said downcomer tubes and riser tube lengths at said sides extending upright between the inner and outer faces of said wall throughout the height of said openings.

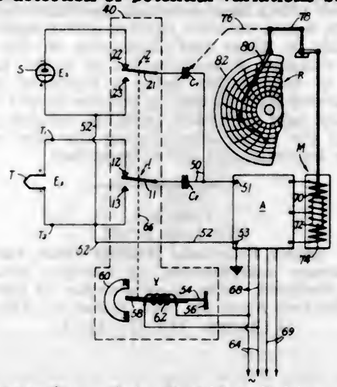
2,596,954
PROCESS FOR REDUCTION OF IRON ORE TO MAGNETITE
Thomas D. Heath, Westport, Conn., assignor to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application June 6, 1947, Serial No. 752,933
3 Claims. (Cl. 23—200)



1. The continuous process for the reduction of iron-bearing constituents of finely-divided iron ore solids to magnetite, which comprises establishing and maintaining within an enclosed chamber an everchanging bed of such solids by feeding such solids to a lower section of such bed and conducting solids from an upper section thereof, maintaining the solids of such bed as turbulently mobilized solids by passing therethrough an uprising stream of fluidizing gas at fluidizing velocities, supplying free-oxygen to a lower section of the bed, supplying an uprising stream of combustible reducing gas to a lower section of the bed in an amount sufficient to combustibly react with substantially all of the supplied free-oxygen while leaving residually in such uprising gas stream sufficient reducing gas to reduce ore solids in an upper section of the bed substantially to magnetite, and reducing ore solids in such upper section before conducting them therefrom by controlling the quantity of free-oxygen supplied to the bed to be such an amount that when substantially combustibly reacted with combustible reducing gases will liberate sufficient heat to maintain such solids at reducing temperatures whereby they will be reduced by the action of the residual uprising reducing gas.

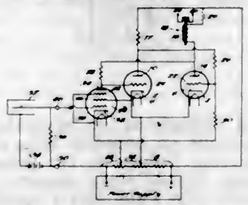
2,596,955
APPARATUS FOR MEASURING DIRECT VOLTAGES
Wilfred H. Howe, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application December 6, 1946, Serial No. 714,611
27 Claims. (Cl. 73—359)

1. In apparatus for comparing two D. C. potentials, in combination, two condensers, potential-variation detecting means, periodic switching means including electrical connecting means for periodically interconnecting said condensers with said D. C. potentials in two alternate circuit networks, means connecting said detecting means to measuring points in said circuit networks to permit detection of potential variations between



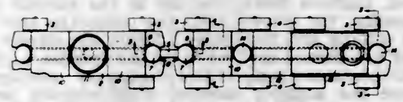
said measuring points as said switching means switch from one to the other of said alternate circuit networks, and control means responsive to the magnitude and polarity of said potential variations forming a measure of the value of one D. C. potential with respect to the value of the other.

2,596,956
ELECTRONIC RELAY CIRCUIT
Leonard G. Nierman, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application June 10, 1946, Serial No. 675,558
1 Claim. (Cl. 250—27)



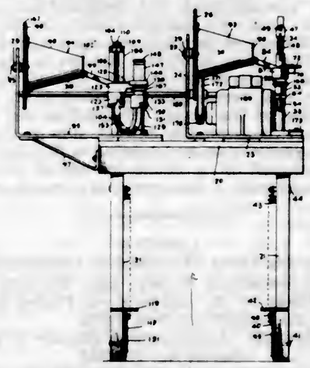
An electronic control circuit comprising, in combination: means to generate a voltage varying in response to a condition to be controlled; a trigger circuit including a pair of vacuum tubes, said tubes having plate circuits connected in parallel, both of said plate circuits containing resistors and one of said plate circuits being connected in series with the field coil of a relay, the control grid of the vacuum tube in the first of said circuits being connected to the plate of the tube in the second of said circuits through a resistor, and the control grid of the second trigger tube being connected to the plate of the first trigger tube through a resistor; and a third vacuum tube having a plate directly connected to the control grid of the first trigger tube, said third vacuum tube having a cathode connected to the control grid of the second of said trigger tubes through a resistor, the means to generate a voltage being connected between the grid and cathode of said third vacuum tube, and said third vacuum tube being biased to be conducting, whereby variations in the potential of the control grid relative to the cathode will be effective to trigger the trigger circuit.

2,596,957
WOODEN TOY TRAIN CONSTRUCTION
Carl Stanley Olson and Andrew P. Bergstrand, Moline, Ill., assignors to Strombeck-Becker Manufacturing Co., Moline, Ill., a corporation of Illinois
Application January 8, 1949, Serial No. 69,964
2 Claims. (Cl. 46—16)



1. A wheeled wooden toy comprising a plurality of platforms provided with wheels, each of said platforms having at its opposite ends a socket extending into the platform from the upper surface and adjacent the ends thereof, each socket being closed at its bottom, one or more superstructures adapted to be mounted on each of said platforms between said sockets, tongue and groove means formed on each platform, extending from end to end thereof, said tongue and groove means providing for mounting the superstructures in place by longitudinal movement of the superstructures from either or both ends of each platform, dumbbell-like connectors for connecting the adjacent ends of two associated platforms, each end of each connector having a socket-entering head which protrudes above the upper end of the socket, thereby preventing any displacement of the associated superstructures past said head, and posts or the like adapted to be seated in the sockets at the front and rear ends of the interconnected platforms for preventing longitudinal displacement of the forwardmost and rearmost superstructures.

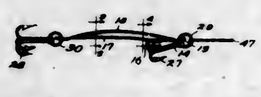
2,596,958
MACHINE FOR FEEDING AND INSERTING SCREWS
William M. Phelps, Chatsworth, Ga., assignor, by mesne assignments, to Chatsworth Manufacturing Co., Chatsworth, Ga., a corporation of Georgia
Application September 1, 1948, Serial No. 47,285
5 Claims. (Cl. 144—32)



4. A machine for inserting screws comprising a non-rotatable support member having a substantially vertical opening to receive the screws, a pair of pivoted gripping jaws mounted upon the support member and extending over the top of the opening and being resiliently biased closed,

the closed jaws being recessed to form an opening leading into the opening of the support member which will permit the passage of the shank of a screw through the closed gripping jaws but prevent the passage of the head of the screw therethrough, the recesses forming inclined faces, a rotatable tubular spindle having a substantially vertical bore operatively connected with the support member for receiving screws therefrom, resilient means carried by the spindle for engaging the screws near the discharge end of the spindle and resiliently holding the screws as they are turned into work by the spindle, and a non-rotatable reciprocatory plunger arranged above the support member and gripping jaws and engaging each screw held by the gripping jaws to force the same beyond the jaws and into the opening of the support member, the heads of the screws coacting with said inclined faces for spreading the jaws apart, the jaws closing automatically when the plunger is elevated.

2,596,959
OSCILLATING FISH LURE
Carl W. Rees, Pikesville, Md.
Application June 1, 1949, Serial No. 96,522
1 Claim. (Cl. 43—42.5)

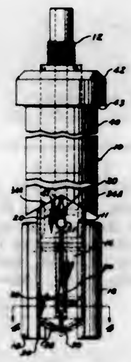


A fishing spoon comprising a plate concave on one side and convex on the other and being of greater length than width, the edges of the plate shaped to conform to the back and belly, respectively, of a fish with a head formation on the leading end and with the edges converging from a point spaced from the head toward the trailing end, the end of the spoon forming the head being provided with a bend toward the convex side and in the edge representing the back to define a recess extended transversely across the said head end and in the convex side of the spoon, the said head end having a centrally positioned opening substantially entirely within the boundaries of the recess, and an eye longitudinally spaced inwardly of the said opening and laterally spaced from the longitudinal axis of the plate, said eye spaced closely to the upper edge of the spoon forming the back and the said edge of the plate in which the eye is positioned having a corrugation therein spaced inwardly from the said recess and extended from the eye to the edge of the plate, the trailing end of said spoon curving from the convex side of the plate to the concave side and having a flat tip on the end positioned in a plane in which the edges of the head end of the spoon are positioned.

2,596,960
BRIGHT DRYING FINISHING COMPOSITION
Daniel Schoenholz, Bronx, and Herbert Terry, New York, N. Y., assignors to Foster D. Snell Inc., a corporation of New York
No Drawing. Application February 7, 1947, Serial No. 727,284
4 Claims. (Cl. 260—27)

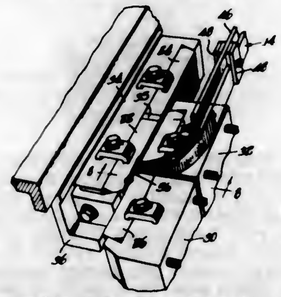
1. A finishing composition giving a bright drying film when applied as a thin layer and dried upon a surface, the composition being an emulsion in water of particles of a polyvinyl resin of size averaging not above 0.6 micron, a water insoluble solvent plasticizer for the resin serving as a film-coalescing agent, an emulsified bright drying polishing wax selected from the group consisting of carnauba, candelilla, montan, microcrystalline petroleum waxes, and mixtures thereof in the proportion of 3 to 30 parts of the wax on the anhydrous basis to 100 parts of the total materials other than water in the finishing composition, a non-cationic surface active agent that is soluble in water and dispersible in the resin, and a retarder of evaporation of water, the retarder of evaporation being a liquid of boiling point above 100° C. that is soluble in the mixed resin and said agent and infinitely soluble in water and the water constituting the sole readily volatile ingredient of the composition.

2,596,961
HONING TOOL
Jack F. Smole, Cleveland Heights, Ohio, assignor, by mesne assignments, to Lempco Products, Inc., Bedford, Ohio, a corporation of Ohio
Application April 29, 1947, Serial No. 744,693
11 Claims. (Cl. 51—184.3)



1. A hone comprising an elongated mandrel body; projections on opposite sides of the body constituting cam followers; two oppositely disposed channel shaped stone carriers, each comprising spaced side walls and a connecting wall therebetween; the stone carriers extending along opposite sides of said body and the body being nested therebetween; stones mounted on the connecting walls of the carriers respectively; said stone carriers each having one end thereof, extending beyond one end of said body and having tapered surfaces intermediate their ends on the side walls thereof engaging said projections, respectively, whereby said carriers are cammed radially relative to the body when relative longitudinal movement is effected between the body and carriers; and the ends of the side walls at said end of the carriers, being inclined to define a convex dihedral angle; and means for urging said carriers at said end inwardly toward each other comprising a V-shape plate, having a concave dihedral angle between its V-legs corresponding to the dihedral angle of the carrier sides, and said body having an axial opening therein extending from said end of the body inwardly, and a tension spring having one end anchored in said opening and connected at the other end to the central portion of said plate for urging the V-legs of the plate into engagement with said side wall inclined ends.

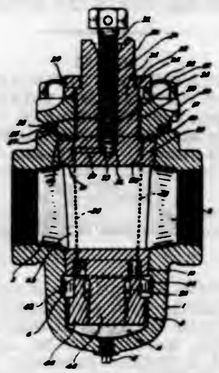
2,596,962
THREAD ROLLING MACHINE
William Stern, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application July 19, 1949, Serial No. 105,493
4 Claims. (Cl. 80—8)



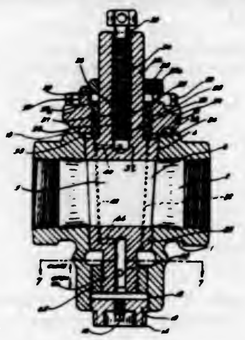
1. A screw blank working apparatus including a stationary die having an elongated working surface provided with longitudinal groove forming ribs extending entirely along said working surface except for the blank feed opening medially thereof substantially the width of a blank, a movable die having longitudinal groove forming ribs and movable along said working surface, back and forth, from one side of said feed opening to the other side thereof, the trailing end thereof passing said medial opening at each movement thereof whereby a blank is thereby grooved at each side of said medial opening, an elongated straight line reciprocating feeder and means for reciprocating the same, said feeder being of a width less than the rib spacing of said dies, and the length of said feeder and the said means being so constructed that one end of said feeder passes said opening in pushing a blank to a groove rolling position between said stationary die and advancing movable die while the other end of said feeder holds the remaining blanks in said feed opening until further movement clears said opening for the feed of a second blank into the path of said other end of said feeder, whereupon reverse movement of said feeder pushes said second blank to groove rolling position at the other side of said medial opening for continued operation in a similar manner.

2,596,963
LUBRICATED PLUG VALVE
Homer J. Waddell, Baltimore, and Albert H. Edmonds, Lancaster, Ohio, assignors, by mesne assignments, to The Waddell Manufacturing Company, Inc., a corporation of Ohio
Application August 30, 1946, Serial No. 693,897
2 Claims. (Cl. 251—93)

1. A lubricated plug valve comprising a valve body having a valve seat, a rotatable plug in the seat, a lubricant reservoir on the body at one side of the seat, two sets of lubricating channels in the contacting surfaces of the plug and the seat, one set of channels being in direct communication with the reservoir, a pocket in an end of the plug and opening into the reservoir, the other set of channels being in communication with the pocket, a lubricant passage connecting the sets of channels at a point remote from the reservoir, and a piston movable in opposite directions in the reservoir with the opening and closing of the valve respectively, one side of the piston having a projection adapted to enter the pocket when the piston is moved in one direction, the other side of the piston adapted to force the lubricant through the set of channels in direct communication with the reservoir when the piston is moved in the opposite direction.



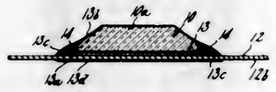
2,596,964
LUBRICATED PLUG VALVE
Homer J. Waddell, Baltimore, and Albert H. Edmonds, Lancaster, Ohio, assignors, by mesne assignments, to The Waddell Manufacturing Company, Inc., a corporation of Ohio
Application August 30, 1946, Serial No. 693,898
14 Claims. (Cl. 251—93)



1. A lubricated plug valve comprising the combination of a valve body having a through passage therein, a valve seat in the body extending to either side of the passage, a valve plug rotatable in opposite directions in the seat to open and close the valve, said plug having a solid one-piece portion with a second through passage therein adapted to be moved into and out of register with the through passage in the valve body, a system of lubricating channels in the contacting surfaces of the valve plug and the valve seat, a lubricant reservoir in the valve body at one side of the through passages, said channels constituting a closed circuit which includes the reservoir and extends to the other side of the through passages, and means in the reservoir operative as the valve plug is turned in one direction to circulate lubricant from the

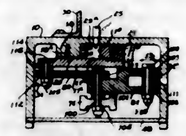
reservoir through the circuit and return it to the reservoir and, when the valve is turned in the opposite direction, to circulate the lubricant from the reservoir through the circuit and return it to the reservoir in the reverse direction.

2,596,965
ORNAMENTATION FOR STOCKINGS AND OTHER STRETCHABLE MATERIALS
Ellen Troy, New York, N. Y.
Application May 20, 1950, Serial No. 163,310
3 Claims. (Cl. 41—34)



1. The method of uniting a rhinestone, pearl and like ornament with stretchable textile material, comprising the steps of depositing on the surface of the material to be ornamented a first layer of a flexible substance adhering to said surface, placing thereafter a second layer of adhesive in contact with said first layer whereby the latter retains said second layer in position thereon, said first layer having an affinity for said second layer, then placing said ornament on said second layer and pressing said ornament into the same whereby the base of said ornament is embraced by said first layer and the ornament is anchored on said material, said first layer providing a flexible interconnection between said textile material and said ornament, and spreading a third layer of transparent adhesive over the surface of said ornament and the surface of said first layer to thereby increase anchorage of said ornament on said material.

2,596,966
RADAR ANTENNA STRUCTURE
William W. Lindsay, Jr., Los Angeles, Calif., assignor to Gilfillan Bros., Inc., Los Angeles, Calif., a corporation of California
Application November 16, 1948, Serial No. 60,325
15 Claims. (Cl. 250—33.63)

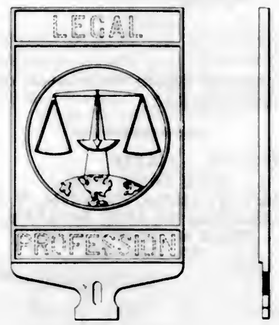


1. In a variable wave guide structure adapted to propagate ultra-high frequency energy, and arranged to feed a plurality of spaced dipoles, an elongated member forming a relatively stationary portion of said wave guide through which portions of said spaced dipoles extend to serve as spaced pickup probes for energy propagated as radiation within said wave guide structure, the internal cross-section of said wave guide being variable to alter the apparent wave length of such radiation to thereby change the relative phase at which the dipoles are fed to produce a change in direction of the total energy radiated from all of said dipoles, said elongated member having pairs of support surfaces spaced transversely thereof, a plurality of bridge structures releasably mounted on corresponding pairs of said support surfaces, a movable wave guide member cooperatively associated with said first wave guide member to form therewith the internal space of the wave guide within which said radiation is propagated, an adjustably positioned crank member on each of said bridge structures, and said movable wave guide member being mounted for movement on said crank member.

DESIGNS

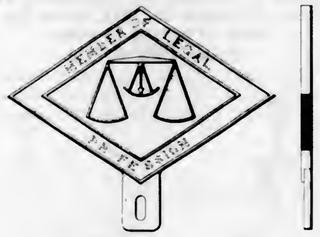
MAY 13, 1952

166,729
AUTO INSIGNIA
Wade Beene, Petersburg, Va.
Application May 29, 1951, Serial No. 15,333
Term of patent 7 years
(Cl. D29—2)



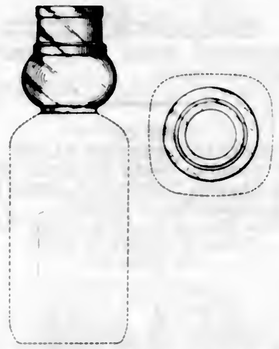
The ornmental design for an auto insignia, as shown.

166,730
AUTO INSIGNIA
Wade Beene, Petersburg, Va.
Application May 29, 1951, Serial No. 15,334
Term of patent 7 years
(Cl. D29—2)



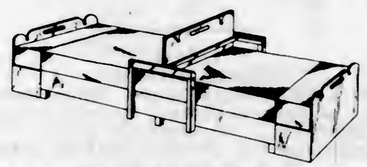
The ornamental design for an auto insignia, as shown.

166,731
BOTTLE
Royden A. Blunt, Baltimore, Md.
Application August 7, 1951, Serial No. 16,196
Term of patent 14 years
(Cl. D58—6)



The ornamental design for a bottle, substantially as shown and described.

166,732
TWIN BED UNIT
Thomas Francis Carey, Kensington, Md.
Application September 17, 1951, Serial No. 16,668
Term of patent 7 years
(Cl. D5—4)



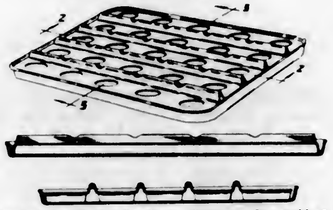
The ornamental design for a twin bed unit, substantially as shown and described.

166,733
BABY SHOE
Alice Carver, New York, N. Y., assignor to Richard G. Krueger, Inc., New York, N. Y., a corporation of New York
Application March 21, 1952, Serial No. 18,999
Term of patent 14 years
(Cl. D7—7)



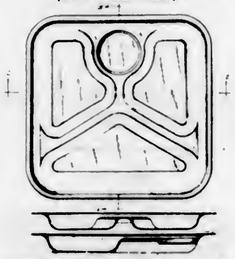
The ornamental design for a baby shoe, as shown.

166,734
HOSPITAL TRAY
Lois E. Chandler, DaHas, Tex.
Application April 27, 1951, Serial No. 14,993
Term of patent 7 years
(Cl. D44—10)



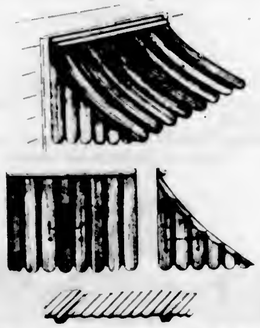
The ornamental design for a hospital tray, substantially as shown.

166,735
COMPARTMENTED PLATE
Charles J. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application March 29, 1950, Serial No. 8,835
Term of patent 14 years
(Cl. D44—15)



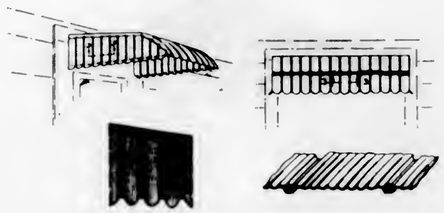
The ornamental design for a compartmented plate, as shown.

166,736
METAL AWNING
Robert A. Childers and Claud C. Miller, Houston, Tex., assignors to Childers Manufacturing Co., Houston, Tex., a corporation of Texas
Application July 27, 1950, Serial No. 11,425
Term of patent 14 years
(Cl. D21—6)



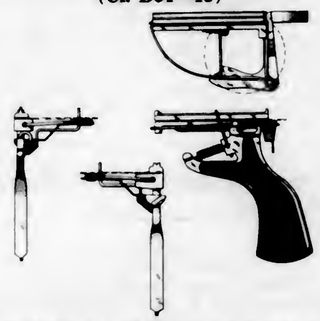
The ornamental design for a metal awning, as shown and described.

166,737
METAL DOOR HOOD
Robert A. Childers and Claud C. Miller, Houston, Tex., assignors to Childers Manufacturing Co., Houston, Tex., a corporation of Texas
Application July 27, 1950, Serial No. 11,427
Term of patent 14 years
(Cl. D21—6)



The ornamental design for a metal door hood, as shown and described.

166,738
TOY DISK GUN
Robert W. Clauss, Riverdale, N. Y.
Application May 13, 1950, Serial No. 9,932
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy disk gun, substantially as shown and described.

166,739
CIGARETTE HOLDER
William R. Dickins, Sr., Enterprise, Fla.
Application November 28, 1951, Serial No. 17,548
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a cigarette holder, as shown.

166,740
TROPHY BASE
Ray Edgar Dodge, Los Angeles, Calif.
Application June 4, 1951, Serial No. 15,417
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a trophy base, substantially as shown.

166,741
MICROPHONE OR THE LIKE
Alexander L. Dvorsky and Maurice Palo, Conneaut, Ohio
Application January 10, 1951, Serial No. 13,738
Term of patent 7 years
(Cl. D26—14)



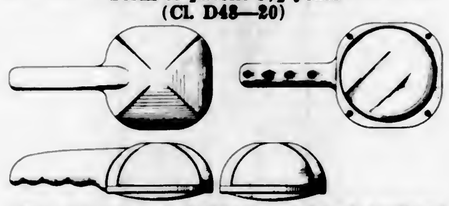
The ornamental design for a microphone or the like, as shown and described.

166,742
RUBBER SOLE FOR FOOTWEAR
Abraham C. Fellman, Forest Hills, N. Y.
Application December 14, 1951, Serial No. 17,726
Term of patent 14 years
(Cl. D7—5)



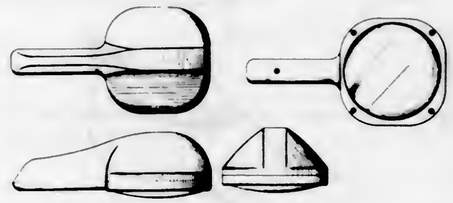
The ornamental design for a rubber sole for footwear, as shown.

166,743
HAND SPOTLIGHT
Joseph Fischer, Pelham Manor, N. Y.
Application November 29, 1951, Serial No. 17,561
Term of patent 3½ years
(Cl. D48—20)



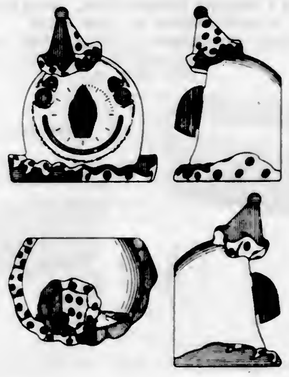
The ornamental design for a hand spotlight, as shown.

166,744
HAND SPOTLIGHT
Joseph Fischer, Pelham Manor, N. Y.
Application November 29, 1951, Serial No. 17,562
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a hand spotlight, as shown.

166,745
TIMER
Ethlyn B. Gaylord, Temple City, Calif.
Application March 10, 1952, Serial No. 18,839
Term of patent 3½ years
(Cl. D42—7)



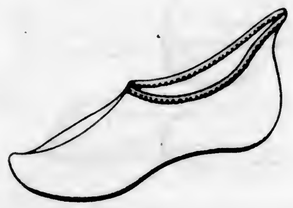
The ornamental design for a timer, substantially as shown and described.

166,746
FIGURINE
Aliglivero Gievacchimi, Chicago, Ill.
Application January 26, 1952, Serial No. 18,249
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a figurine, as shown.

166,747
SLIPPER OR THE LIKE
Nathaniel B. Golovin, New York, N. Y.
Application September 6, 1951, Serial No. 16,536
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a slipper or the like, substantially as shown and described.

166,748
MAILBOX
Herbert Gosweiler, Stratford, Conn., assignor to Etched Products Corporation, Long Island City, N. Y., a corporation of New York
Application December 1, 1951, Serial No. 17,589
Term of patent 14 years
(Cl. D74—9)

The ornamental design for a mail box, as shown.

166,749
MAILBOX HOUSE
James I. Heinz, Arlington, Va.
Application July 10, 1950, Serial No. 11,031
Term of patent 7 years
(Cl. D74—9)



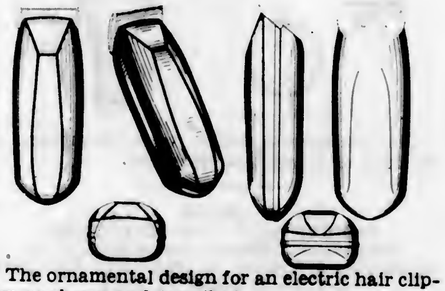
The ornamental design for a mailbox house, as shown and described.

166,750
MOUTH ORGAN
Walter Hohner, Trossingen, Germany
Application March 29, 1950, Serial No. 8,829
In Germany October 19, 1948
Term of patent 14 years
(Cl. D56—12)



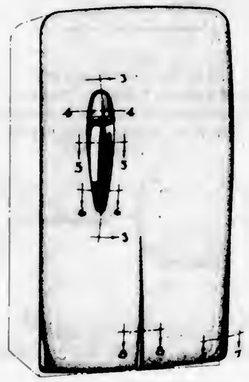
The ornamental design for a mouth organ, as shown and described.

166,751
ELECTRIC HAIR CLIPPER
Alfonso Iannelli, Park Ridge, Ill., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application February 7, 1951, Serial No. 14,129
Term of patent 14 years
(Cl. D22—5)

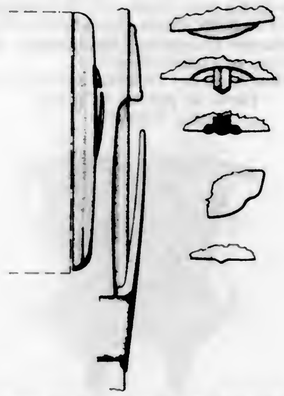


The ornamental design for an electric hair clipper, as shown and described.

166,752
HOUSEHOLD REFRIGERATOR
Richard Bolton Janes, Greenville, Mich., assignor to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application June 15, 1950, Serial No. 10,531
Term of patent 14 years
(Cl. D67—3)

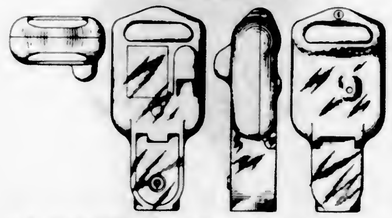


166,752—Continued



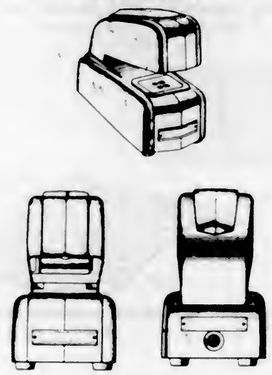
The ornamental design for a household refrigerator, substantially as shown and described.

166,753
PARKING METER HOUSING
Whitney W. Jones, Philadelphia, Pa.
Application October 8, 1951, Serial No. 16,871
Term of patent 14 years
(Cl. D52—3)

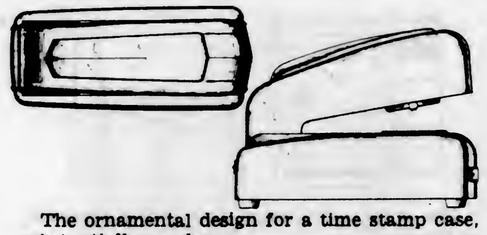


The ornamental design for a parking meter housing, as shown.

166,754
TIME STAMP CASE
Michael Juhas, Torrington, Conn., assignor to General Time Corporation, New York, N. Y., a corporation of Delaware
Application March 10, 1952, Serial No. 18,837
Term of patent 14 years
(Cl. D64—10)



166,754—Continued



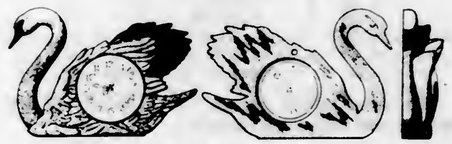
The ornamental design for a time stamp case, substantially as shown.

166,755
BRACELET OR THE LIKE
Adolph Kats, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 25, 1952, Serial No. 18,233
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or the like, substantially as shown.

166,756
CLOCKCASE
John A. C. Keane, St. Albans, N. Y.
Application August 27, 1951, Serial No. 16,449
Term of patent 14 years
(Cl. D42—7)

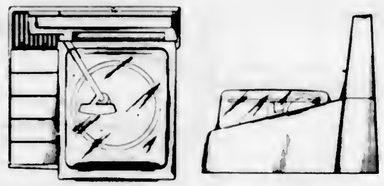


The ornamental design for a clockcase, substantially as shown and described.

166,757
BUTTER DISPENSER
Gene Kilburg, Milwaukee, Wis., Laird F. Covey, Darien, Conn., and Joshua Gordon Lippincott, Scarsdale, N. Y., assignors to Supurdisplay, Incorporated, Milwaukee, Wis., a corporation of Wisconsin
Application August 30, 1951, Serial No. 16,484
Term of patent 14 years
(Cl. D44—5)

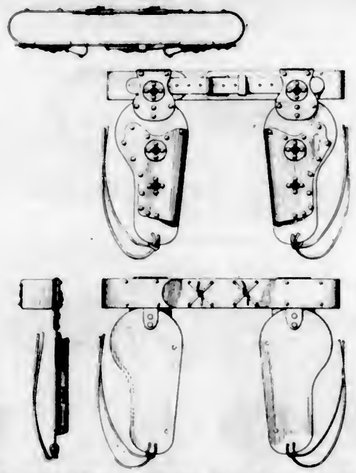


166,757—Continued



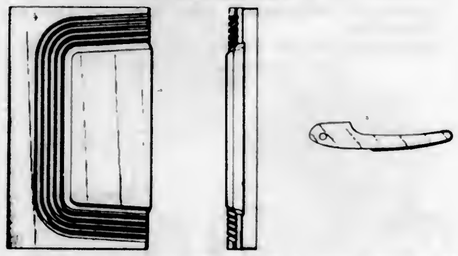
The ornamental design for a butter dispenser, as shown.

166,758
COMBINED TOY HOLSTER AND BELT SET
Adam L. Kinskie, Morristown, Tenn.
Application March 13, 1951, Serial No. 14,468
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a combined toy holster and belt set, as shown.

166,759
DOOR HANDLE
Theodore H. Koeber, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 3, 1951, Serial No. 14,702
Term of patent 7 years
(Cl. D10—8)



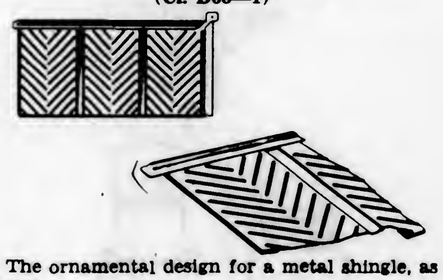
The ornamental design for a door handle, as shown.

166,760
COMBINATION GIRDLE AND BRASSIÈRE
Seraphina C. La Bue, Bronx, N. Y., and Henry P. Coogan, Fairfield, Conn., assignors to The Warner Brothers Company, Bridgeport, Conn., a corporation of Connecticut
Application January 24, 1952, Serial No. 18,202
Term of patent 14 years
(Cl. D28—2)



The ornamental design for combination girdle and brassière, as shown.

166,761
METAL SHINGLE
Ray H. Langville, Portland, Oreg.
Application August 25, 1950, Serial No. 11,939
Term of patent 14 years
(Cl. D68—1)



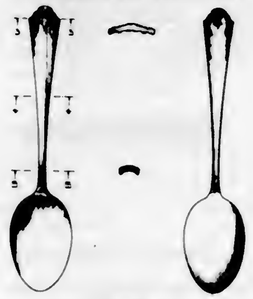
The ornamental design for a metal shingle, as shown.

166,762
HOBBYHORSE OR THE LIKE
Jack E. Levy, Stamford, Conn.
Application March 11, 1952, Serial No. 18,847
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a hobbyhorse or the like, as shown and described.

166,763
SPOON OR SIMILAR ARTICLE
Isadore Albert Lipman, Meriden, Conn., assignor to The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application February 13, 1952, Serial No. 18,508
Term of patent 14 years
(Cl. D54—12)



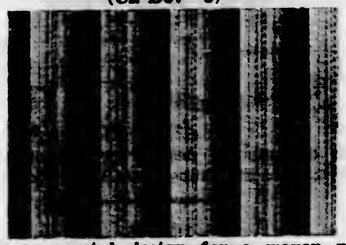
The ornamental design for a spoon or similar article, as shown and described.

166,764
INTERVAL TIMER
Frederick Lux, Middlebury, and Helmut D. Beerbaum, Wolcott, Conn., assignors to The Lux Clock Manufacturing Company, Inc., Waterbury, Conn., a corporation of Connecticut
Application June 9, 1951, Serial No. 15,477
Term of patent 14 years
(Cl. D42—7)



The ornamental design for an interval timer, substantially as shown.

166,765
WOVEN PLASTIC FABRIC
Vaclav Petracek, Long Island City, N. Y.
Application December 5, 1951, Serial No. 17,614
Term of patent 3½ years
(Cl. D57—3)



The ornamental design for a woven plastic fabric, substantially as shown.

166,766
THERMOMETER
Richard J. Melville, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application February 20, 1952, Serial No. 18,601
Term of patent 14 years
(Cl. D52—7)



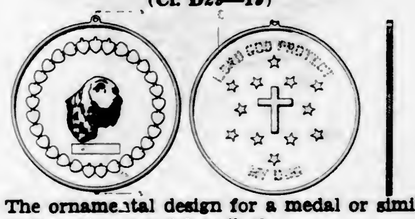
The ornamental design for a thermometer, as shown.

166,767
BADGE
Arthur J. Merkel, East Cleveland, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application June 29, 1951, Serial No. 15,708
Term of patent 14 years
(Cl. D29—2)



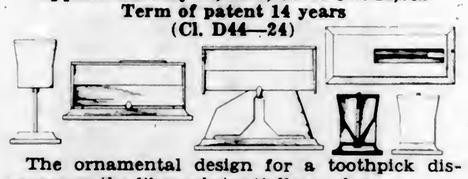
The ornamental design for a badge, substantially as shown.

166,768
MEDAL OR SIMILAR ARTICLE
Virginia O. Metsker, Wichita, Kans.
Application June 13, 1951, Serial No. 15,525
Term of patent 14 years
(Cl. D29—19)



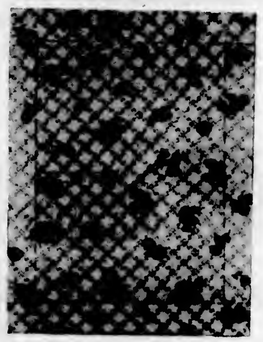
The ornamental design for a medal or similar article, as shown and described.

166,769
TOOTHPICK DISPENSER OR THE LIKE
William J. Meyer, Ridgewood, and Henry A. Flor, Merrick, N. Y.
Application July 19, 1950, Serial No. 11,262
Term of patent 14 years
(Cl. D44—24)



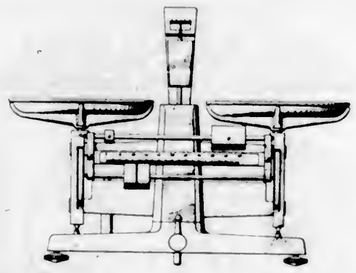
The ornamental design for a toothpick dispenser or the like, substantially as shown.

166,770
TEXTILE FABRIC
Harry Odzer, New York, N. Y.
Application February 18, 1952, Serial No. 18,564
Term of patent 7 years
(Cl. D92—1)

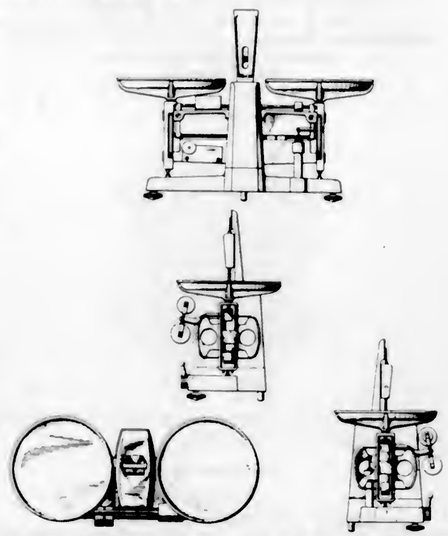


The ornamental design for a textile fabric, substantially as shown and described.

166,771
LABORATORY SCALE
Carl L. Otto, New York, N. Y., assignor to The Torsion Balance Company, Clifton, N. J., a corporation of New York
Application February 7, 1952, Serial No. 18,425
Term of patent 14 years
(Cl. D52—10)

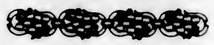


166,771—Continued



The ornamental design for a laboratory scale, as shown.

166,772
LINK CHAIN FOR A BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 17, 1952, Serial No. 18,101
Term of patent 7 years
(Cl. D45—4)





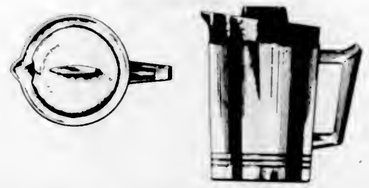
The ornamental design for a link chain for a bracelet or the like, substantially as shown.

166,773
END LINK FOR A WRIST WATCH BRACELET
Eugen Prestinari, Short Hills, N. J., assignor to Gemex Company, Union, N. J., a corporation of New Jersey
Application June 4, 1951, Serial No. 15,413
Term of patent 3½ years
(Cl. D45—4)



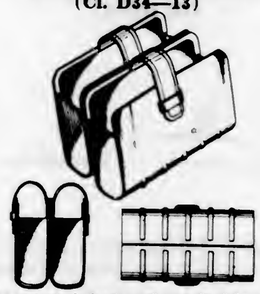
The ornamental design for an end link for a wrist watch bracelet, substantially as shown.

166,774
COFFEE SERVER
William J. Russell, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application March 17, 1952, Serial No. 18,933
Term of patent 14 years
(Cl. D44—26)



The ornamental design for a coffee server, as shown.

166,775
HOLDER FOR PLAYING CARDS OR THE LIKE
Morris Saltzman, New York, N. Y.
Application January 14, 1952, Serial No. 18,054
Term of patent 14 years
(Cl. D34—13)



The ornamental design for a holder for playing cards or the like, substantially as shown and described.

166,776
HOBBYHORSE OR SIMILAR ARTICLE
Darwin C. Stanley, Paramount, Calif.
Application October 4, 1951, Serial No. 16,837
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a hobbyhorse or similar article, substantially as shown and described.

166,777
COIN PURSE
William H. St. Thomas, Gloversville, N. Y., assignor to St. Thomas Inc., Gloversville, N. Y., a corporation of New York
Application January 29, 1952, Serial No. 18,277
Term of patent 7 years
(Cl. D87—3)



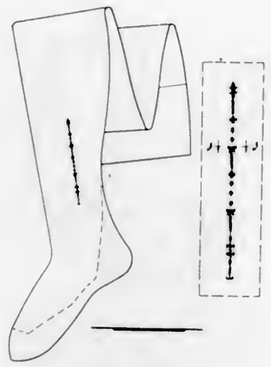
The ornamental design for a coin purse, substantially as shown.

166,778
LADY'S ORNAMENTED STOCKING
Ellen Troy, New York, N. Y.
Application January 9, 1951, Serial No. 13,717
Term of patent 7 years
(Cl. D47—7)



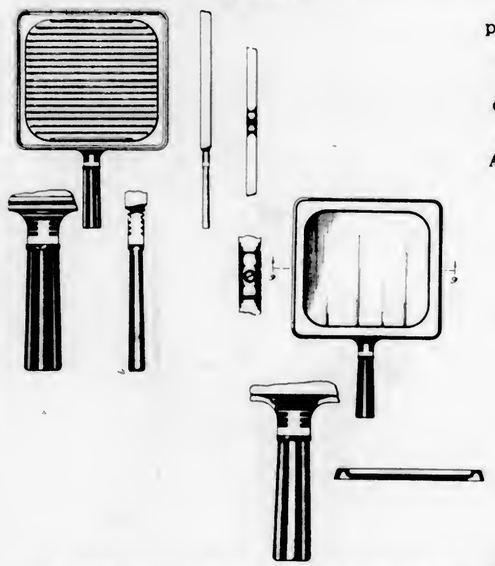
The ornamental design for a lady's ornamented stocking, substantially as shown.

166,779
LADY'S ORNAMENTED STOCKING
Ellen Troy, New York, N. Y.
Application January 12, 1952, Serial No. 18,022
Term of patent 14 years
(Cl. D47—7)



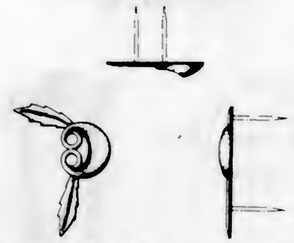
The ornamental design for a lady's ornamented stocking, substantially as shown.

166,780
COOKING UTENSIL
William B. Watkins, Winnetka, Ill., assignor to The Wm. B. Watkins Co., Evanston, Ill., a corporation of Illinois
Application February 23, 1950, Serial No. 8,068
Term of patent 14 years
(Cl. D44—1)



The ornamental design for a cooking utensil, substantially as shown and described.

166,781
SPECTACLE FRAME ORNAMENT OR SIMILAR ARTICLE
Harry Weissman, New Hyde Park, N. Y.
Application March 22, 1952, Serial No. 19,005
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle frame ornament or similar article, substantially as shown and described.

166,782
TOILET TISSUE DISPENSER
Henry Weskrna, Belleville, N. J.
Application May 4, 1949, Serial No. 2,438
Term of patent 3½ years
(Cl. D4—3)



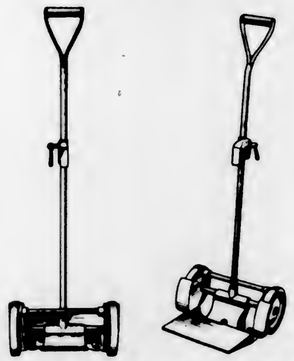
The ornamental design for a toilet tissue dispenser, substantially as shown and described.

166,783
COMBINED CIGARETTE BOX, CIGARETTE HOLDER, AND SMOKING DEVICE
Ernest R. Wilkinson, Santa Ana, Calif.
Application February 23, 1951, Serial No. 14,313
Term of patent 7 years
(Cl. D85—2)



The ornamental design for a combined cigarette box, cigarette holder, and smoking device, as shown.

166,784
HAND TRUCK
Hiram Henry Williams, Rhiwbina, Cardiff, Wales
Application May 8, 1950, Serial No. 9,768
In Great Britain November 10, 1949
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a hand truck, as shown.

166,785
CHILD'S SANDAL OR SIMILAR ARTICLE
Robert T. Wiseman, Canton, Ohio
Application March 22, 1951, Serial No. 14,592
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a child's sandal or similar article, substantially as shown and described.

Official Gazette

Containing the Patents, Trade-Marks, & Designs issued

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Total	1,315				

Patents expiring: Patent Numbers 2,001,696 to 2,002,484, inclusive, issued May 21, 1935, expire May 21, 1952

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A/S Ferrosan, Copenhagen, Denmark. Preservatives for foods and ingredients of foods. Serial No. 587,995, May 20. Class 46.

Achobi Condiment Co., New York, N. Y. Liquid spice preparation. Serial No. 606,110, May 20. Class 46.

Adams-Millis Corporation, High Point, N. C. Women's and misses' hosiery. Serial No. 616,933, May 20. Class 39.

Aktiebolaget Bofors, Bofors, Sweden. Line of medicinal, veterinary, and pharmaceutical preparations. Serial No. 606,929, May 20. Class 18.

Allen, T. V., Company, Los Angeles, Calif. Stationery. Serial No. 619,324, May 20. Class 37.

Allied Mills, Inc., Chicago, Ill. Poultry feed. Serial No. 623,529, May 20. Class 46.

Alrose Chemical Company, Cranston, R. I. Penetrants and wettings agents. Serial No. 605,398, May 20. Class 6.

American Air Filter Company, Inc., Louisville, Ky. Rolls of fiber glass, synthetic fibers, and cotton wadding. Serial No. 610,656, May 20. Class 1.

American Air Filter Company, Inc., Louisville, Ky. Rolls of air filter paper. Serial No. 610,657, May 20. Class 37.

American Air Filter Company, Inc., Louisville, Ky. Automatic self-cleaning mechanical dry-type lint filters or condensers. Serial No. 618,612, May 20. Class 31.

American Molasses Company, New York, N. Y. Icing. Serial Nos. 623,701–02, May 20. Class 46.

American Stores Company, Philadelphia, Pa. Cake, candy, rolls, and pastry. Serial No. 589,704, May 20. Class 46.

Andrée Fabrics, New York, N. Y. Rayon fabrics. Serial No. 618,778, May 20. Class 42.

Anurel Company: *See*—
Herrmann, Harold A., Sr.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick, rouge, and nailpolish. Serial No. 620,185, May 20. Class 51.

Beatlyne Company: *See*—
Mosen, Adolph.

Barz, Herman, Inc., New York, N. Y. Sweatbands. Serial No. 615,967, May 20. Class 39.

Beauty Counselors, Inc., Grosse Pointe, Mich. Cosmetics. Serial No. 610,733, May 20. Class 51.

Behr-Manning Corporation, Troy, N. Y. Adhesives. Serial No. 614,282, May 20. Class 5.

Behr-Manning Corporation, Troy, N. Y. Flexible and inflexible abrasives. Serial No. 620,389, May 20. Class 4.

Belco Industrial Equipment Division, Inc., Paterson, N. J. Liquid treating equipment—namely, water softeners, etc. Serial No. 599,740, May 20. Class 31.

Bernat, Emile, & Sons Company, Jamaica Plain, Mass. Knitting yarn. Serial No. 612,528, May 20. Class 43.

Biddle Purchasing Company, trading as Meridian Distributors, New York, N. Y. Oleomargarine. Serial No. 612,784, May 20. Class 46.

Bigelow-Sanford Carpet Company, Inc., Thompsonville, Conn. Pile fabric rugs and carpets. Serial No. 623,451, May 20. Class 42.

Bingham & Co., Inc., New York, N. Y. Peatmoss. Serial No. 596,476, May 20. Class 1.

Blake, Moffitt & Towne, San Francisco, Calif. Pads. Serial No. 562,524, May 20. Class 50.

Bowman Feed Products, Inc., Holland, Mich. Specially processed alfalfa meal concentrate. Serial No. 617,576, May 20. Class 46.

Breier, Marcus, Sons, Inc., Amsterdam, N. Y. Jackets. Serial No. 611,336, May 20. Class 39.

Brendel, David C., Philadelphia, Pa. Candy coated colored potato chips. Serial No. 620,393, May 20. Class 46.

Bruder Dairy Products Company, Cleveland, Ohio. Cheddar cheese. Serial No. 557,824, May 20. Class 46.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Partially printed score sheets and scoring pencils and crayons. Serial No. 618,150, May 20. Class 37.

Buckman Laboratories, Inc., Memphis, Tenn. Pharmaceutical preparation. Serial No. 617,485, May 20. Class 18.

Burton, Joe D., doing business as Hypotomic Sales, Bradenton, Fla. Room deodorant. Serial No. 623,592, May 20. Class 6.

California Saw Works, San Francisco, Calif. Power driven circular saws. Serial No. 553,814, May 20. Class 23.

California Sportswear Company, Los Angeles, Calif. Men's jackets. Serial No. 601,600, May 20. Class 39.

Cameo Curtains Inc., New York, N. Y. Window curtains. Serial No. 612,001, May 20. Class 42.

Camp, Wm. A., Co., Inc., New York, N. Y. Nuts. Serial No. 621,811, May 20. Class 46.

Canterbury Candy Makers: *See*—
Queen Anne Candy Corporation.

Capitol Records, Inc., Hollywood, Calif. Electric lamps. Serial No. 616,312, May 20. Class 21.

Carnation Company, Los Angeles, Calif. Feed. Serial No. 621,131, May 20. Class 46.

Cassell Products Inc., New York, N. Y. Perfume, toilet water, dusting powder, etc. Serial No. 610,255, May 20. Class 51.

Charlotte Mercantile Company, Charlotte, N. C. Ladies' hosiery and ladies' shoes. Serial No. 620,088, May 20. Class 39.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving and photomechanical apparatus and supplies. Serial No. 598,156, May 20. Class 21.

Chicago Almond Products Co., Chicago, Ill. Macaroon paste. Serial No. 614,820, May 20. Class 46.

Chicago Metallic Manufacturing Co., Chicago, Ill. Tobacco ash trays. Serial No. 609,959, May 20. Class 8.

Chicago Roller Skate Company, Chicago, Ill. Rollers and wheels for skates. Serial No. 602,140, May 20. Class 22.

Chiles, Thomas B., doing business as Hush Puppie Mix Co., Lexington, Ky. Hush puppy mix. Serial No. 599,814, May 20. Class 46.

Christy, Inc., Newark, N. Y. Cosmetics. Serial No. 612,728, May 20. Class 51.

Cobbs Manufacturing Company, Des Moines, Iowa. Automobile operator's credentials holder. Serial No. 607,367, May 20. Class 3.

Coffey-Hoyt Products, Inc., Gardena, Calif. Sheet plastic, resinous, translucent material. Serial No. 582,126, May 20. Class 1.

Columbia Products Corporation, Brooklyn, N. Y. Handbags. Serial No. 598,157, May 20. Class 3.

Companhia Industrial de Algodao e Oleos, Forteleza, Ceara, Brazil. Oiticica oil, castor oil, and cottonseed oil. Serial No. 614,819, May 20. Class 6.

Conkey, E. G., Company, The: *See*—
Wirthmore Feed Co.

Consolidated Manufacturing Corporation, New Orleans, La. Mops. Serial No. 607,702, May 20. Class 29.

Continental Chemical Company, Inc., Cayce, S. C. Pressure-sensitive adhesive tape. Serial No. 603,875, May 20. Class 5.

Contreras, Antonio, New York, N. Y. Portable phonographs, grooved phonograph records and phonograph needles. Serial No. 585,915, May 20. Class 36.

Coro, Inc., New York, N. Y. Simulated pearl jewelry. Serial No. 609,232, May 20. Class 28.

Cremix Company, Chicago, Ill. Ice cream mix, fluid cream and concentrated skimmed milk. Serial No. 546,958, May 20. Class 46.

Crown Zellerbach Corporation, San Francisco, Calif. Waxed paper and printed waxed paper wrappers. Serial No. 619,454, May 20. Class 37.

Cunningham Coffee Company: *See*—
Cunningham, William E.

Cunningham, William E., doing business as Cunningham Coffee Company, Los Angeles, Calif. Coffee. Serial No. 612,308, May 20. Class 46.

Curtis, Helene, Industries, Inc., Chicago, Ill. Neutralizer for hair waving solutions. Serial No. 583,032, May 20. Class 51.

D-Con Company, Inc., Chicago, Ill. Rodenticides. Serial No. 621,758, May 20. Class 6.

Damar Distributing Co.: *See*—
Margulies, David W.

Davis, G. W., Corporation, Richmond, Ind. Mechanical clutch unit. Serial No. 596,564, May 20. Class 23.

Delma Mfg. Co., Inc., Providence, R. I., and New York, N. Y. Necklaces, bracelets, finger rings, etc. Serial No. 582,470, May 20. Class 28.

Delno Products Company, Menlo Park, Calif. Guard for holding the cuticle away from finger nails while manicuring or painting same. Serial No. 586,349, May 20. Class 44.

Donovan Enterprises, Saugatuck, Conn. Diaper covering. Serial No. 620,028, May 20. Class 39.

Dryrox, Incorporated, Houston, Tex. Demoistening agent. Serial No. 604,627, May 20. Class 6.

Duplex Hosiery Corporation, New York, N. Y. Ladies' hosiery. Serial No. 620,030, May 20. Class 39.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Industrial solvent. Serial No. 601,028, May 20. Class 52.

Eagle Pencil Company, New York, N. Y. Lead holders and mechanical pencils. Serial No. 578,495, May 20. Class 37.

Eastern Tablet Corporation, Albany, N. Y. Social writing paper, blank writing portfolios, correspondence envelopes, etc. Serial No. 619,537, May 20. Class 37.

Ellis Paint Company, Long Beach, Calif. Rust inhibitive metal primer or paint. Serial No. 615,889, May 20. Class 16.

Esco Cabinet Company, West Chester, Pa. Electric sterilizers to sterilize milk-handling utensils, electric water heaters and insulated battery compartments. Serial No. 562,843, May 20. Class 21.

Essex Wire Corporation, Detroit, Mich. Heat-resistant insulated electric wires. Serial No. 577,951, May 20. Class 21.

Fairmount Tool & Forging, Inc., Buffalo, N. Y. Wrenches. Serial No. 617,987, May 20. Class 23.

Fearn Foods Inc., Franklin Park, Ill., by change of name from Fearn Laboratories, Inc. Canned soups and soup bases, vegetable seasoning, etc. Serial No. 519,637, May 20. Class 46.

Fearn Laboratories, Inc: *See*—
Fearn Foods Inc.

Federated Supply Corporation, New York, N. Y. Smokers' pipes, cigarette holders, cigar holders, etc. Serial No. 618,491, May 20. Class 8.

Ferber Corporation, Englewood, N. J. Ball point pens. Serial No. 618,208, May 20. Class 37.

Firth Sterling Steel & Carbide Corporation, Pittsburgh, Pa. Tools. Serial No. 619,749, May 20. Class 23.

Food Machinery and Chemical Corporation, San Jose, Calif. Hormone spray. Serial No. 621,553, May 20. Class 6.

Fraser Stamp & Seal Co., Inc., Chicago, Ill. Rubber stamps. Serial No. 618,111, May 20. Class 23.

Frey, Catherine, Associates, Inc., New York, N. Y. Women's and misses' dresses, coats, suits, etc. Serial No. 610,738, May 20. Class 39.

Freydberg Bros.-Strauss, Inc., New York, N. Y. Metallic yarn. Serial No. 579,868, May 20. Class 43.

Fuller, Wilbert H., doing business under the name The Kashfinder System, Wichita, Kans. Services rendered to subscribers. Serial No. 597,333, May 20. Class 101.

Garin Company, The, Salinas, Calif. Fresh vegetables and fresh melons. Serial No. 612,012, May 20. Class 46.

Gates Rubber Company, The, Denver, Colo. Semipneumatic tires. Serial No. 621,263, May 20. Class 35.

Gehring Textiles, Inc., New York, N. Y. Piece goods. Serial No. 623,410, May 20. Class 42.

Gemex Company, Union, N. J. Bracelets and watch bracelets and watch straps. Serial Nos. 615,057–8, May 20. Class 28.

General Dyestuff Corporation, New York, N. Y. Wetting agents. Serial No. 603,363, May 20. Class 52.

Geometric Stamping Co., The, Euclid, Ohio. Ventilator fans, household fans and window ventilator fans. Serial No. 596,909, May 20. Class 34.

Globe Sporting Goods Manufacturing Company, Boston, Mass. Sporting goods and athletic equipment. Serial No. 593,795, May 20. Class 22.

Glover Farm Stores Corporation, Cleveland, Ohio. Wheat flour. Serial No. 592,983, May 20. Class 46.

Green Bay Food Company, Green Bay, Wis. Cheese salad dressing. Serial No. 612,322, May 20. Class 46.

Guffey, Olive M., Kansas City, Mo. Purse files. Serial No. 619,082, May 20. Class 3.

Hamilton Hosiery Mills, Inc., New York, N. Y. Women's stockings. Serial No. 620,101, May 20. Class 39.

Hancock Manufacturing, Inc., Philadelphia, Pa. Garden hose. Serial No. 622,335, May 20. Class 35.

Hanson Scale Company, Chicago, Ill. Household scales. Serial No. 621,313, May 20. Class 26.

Harrison, Helen, Candles Company, Chicago, Ill. Candles. Serial No. 607,219, May 20. Class 46.

Hart and Burns, Incorporated, Riverside, Calif. Ready-mixed, paint-like protecting finish coating material and rust-penetrating primer. Serial No. 599,633, May 20. Class 16.

Hausman, M., & Sons, Inc., New York, N. Y. Piece goods. Serial No. 619,161, May 20. Class 42.

Healey, Lee, Company, Glendale, Calif. Drain pipe cleaner. Serial No. 576,914, May 20. Class 23.

Heli-Coil Corporation, Danbury, Conn. Manually and power driven tools, apparatus and machines. Serial No. 620,212, May 20. Class 23.

Helme, George W., Company, New York, N. Y. Snuff. Serial No. 562,050, May 20. Class 17.

Henne, Philip, doing business as Hilltop Inn, Houlton, Wis. French dressing. Serial No. 608,657, May 20. Class 46.

Herdegen, Charles L., Fullerton, Calif. Ozone generators. Serial No. 612,739, May 20. Class 21.

Herrmann, Harold A., Sr., doing business as Anurel Company, Chicago, Ill. Ointment. Serial No. 580,062, May 20. Class 18.

Hilltop Inn: *See*—
Henne, Philip.

Hobb Swetnam Company Inc., Wichita Falls, Tex. Lubricant. Serial No. 560,268, May 20. Class 15.

Hodge, G. Howard, Inc., New York, N. Y. Veils, and veilings, netting and maline. Serial No. 610,686, May 20. Class 42.

Hogan, H.: *See*—
Kenney, Charles M.

Holt Manufacturing Company, Oakland, Calif. Electrical portable floor machines. Serial No. 574,431, May 20. Class 21.

Hudnut, Richard, New York, N. Y. Foundation lotion and lipstick. Serial No. 612,326, May 20. Class 51.

Humble Oil & Refining Company, Houston, Tex. Protective coatings. Serial No. 590,596, May 20. Class 12.

Hush Puppie Mix Co.: *See*—
Chiles, Thomas B.

Hypotomic Sales: *See*—
Burton, Joe D.

International Accordion Manufacturing Company, East Detroit, Mich. Accordions. Serial No. 596,573, May 20. Class 36.

International Milling Company, Minneapolis, Minn. Wheat flour. Serial No. 599,177, May 20. Class 46.

Jasper Glove Company, Inc., Jasper, Ind. Work gloves. Serial No. 585,150, May 20. Class 39.

Kashfinder System, The: *See*—
Fuller, Wilbert H.

Keebler-Weyl Baking Co.: *See*—
United Biscuit Company of America.

Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Fluorinated polymer oil, grease, or wax. Serial No. 588,863, May 20. Class 15.

Kenney, Charles M., public administrator of the estate of H. Hogan, deceased, Springfield, Ill. Impregnated cloth. Serial No. 599,514, May 20. Class 29.

Kleen-Kurl Sales Co.: *See*—
Moran, Joseph M.

Klopp Engineering, Inc., Plymouth and Livonia, Mich. Thickness feeler gauges. Serial No. 621,151, May 20. Class 26.

Kubner Packing Company, Muncie, Ind. Cured smoked sausage. Serial No. 610,218, May 20. Class 46.

Lake Products Company, St. Louis, Mo. Chemicals in tablet and powder form. Serial No. 605,261, May 20. Class 6.

Lakeside Laboratories, Inc., Milwaukee, Wis. Tablet medication. Serial No. 619,392, May 20. Class 18.

Lakeside Laboratories, Inc., Milwaukee, Wis. Injectable medication. Serial No. 619,393, May 20. Class 18.

Lakeside Laboratories, Inc., Milwaukee, Wis. Capsule medication. Serial No. 619,394, May 20. Class 18.

Lee Skirt Company, Philadelphia, Pa. Composition for impregnating fabrics. Serial No. 617,115, May 20. Class 6.

Lehigh Wholesale Grocery Company Inc., Allentown, Pa. Canned fruits, canned vegetables, tea, etc. Serial No. 592,733, May 20. Class 46.

Le Rouet Limitee, Quebec City, Quebec, Canada. Woolen goods—namely, knitted sweaters, socks. Serial No. 610,915, May 20. Class 39.

Levi, Jonathan, Co., Inc., Albany, N. Y. Grape juice. Serial No. 601,927, May 20. Class 45.

Lincoln Engineering Company, St. Louis, Mo. Electric record changers. Serial No. 616,112, May 20. Class 21.

Little Ted's Cookies, Chicago, Ill. Cookies. Serial No. 620,045, May 20. Class 46.

Locatelli Inc., New York, N. Y. Cheese. Serial No. 615,015, May 20. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections-on-sticks, and dry powdered concentrates. Serial No. 613,928, May 20. Class 46.

Luce Manufacturing Co.: *See*—
Luce Manufacturing Company.

Luce Manufacturing Company, Groton, Vt., assignee of R. W. Luce, doing business as Luce Manufacturing Co. Glass salt and pepper shaker sets. Serial No. 564,728, May 20. Class 33.

Luce, Richard W.: *See*—
Luce Manufacturing Company.

Lynch, W. J., Paint & Varnish Co., Inc., East Providence, R. I. House paints, exterior and interior varnishes, and enamels. Serial No. 588,961, May 20. Class 16.

M. K. M. Hosiery Mills, Inc., Boston and Jamaica Plain, Boston Mass. Ladies' hosiery. Serial No. 606,308, May 20. Class 39.

M. K. M. Hosiery Mills, Inc., Jamaica Plain, Boston, Mass. Women's hosiery. Serial No. 611,577, May 20. Class 39.

Mac Minkery, Inc., Two Harbors, Minn. Mink pelts and live mink. Serial No. 619,635, May 20. Class 1.

Maillard Corp., The, New York, N. Y. Candy. Serial No. 545,017, May 20. Class 46.

Margulies, David W., doing business as Damar Distributing Co., Newark, N. J. Non-electrical household devices. Serial No. 614,781, May 20. Class 23.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 596,597, May 20. Class 18.

Mathews, A. H., & Company, Newark, N. J. Reducing aid. Serial No. 619,094, May 20. Class 18.

Maushardt, Bernhard A., doing business as Maushardt Fine Candies, San Francisco, Calif. Candy. Serial No. 575,655, May 20. Class 46.

Maushardt Fine Candies: *See*—
Maushardt, Bernhard A.

Mayers, L. & C., Co. Incorporated, New York, N. Y. Musical instruments. Serial No. 618,645, May 20. Class 36.

McDonald, D. L., doing business as H. M. McDonald Company, Chicago, Ill. Men's, women's and children's undershirts and sport shirts. Serial No. 617,669, May 20. Class 39.

McDonald, H. M., Company: *See*—
McDonald, D. L.

McGraw Electric Company, Chicago, Ill. Electrical transformers and parts therefor. Serial No. 595,670, May 20. Class 21.

Meeker Company, Inc., The, Joplin, Mo. Billfolds. Serial No. 615,842, May 20. Class 3.

Meeker Company, Inc., The, Joplin, Mo. Billfolds. Serial No. 615,989, May 20. Class 3.

Meridian Distributors: *See*—
Biddle Purchasing Company.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Medicinal preparation. Serial No. 618,752, May 20. Class 18.

Merrill Candy Company, Merrill, Wis. Candy. Serial No. 602,515, May 20. Class 46.

Methow Pateros Growers, Inc., Pateros, Wash. Fresh apples. Serial No. 567,418, May 20. Class 46.

Meyercord Company, The, Chicago, Ill. Cut pieces of adhesive pressure sensitive sheet material. Serial No. 586,930, May 20. Class 5.

Michaels & Co., Inc., Brooklyn, N. Y. Phonographs. Serial No. 607,864, May 20. Class 36.

Michigan Chemical Corporation, St. Louis, Mich. Hand operated compression type and hydraulic type sprayers. Serial No. 605,602, May 20. Class 23.

Minnesota Linseed Oil Paint Company, Minneapolis, Minn., now by change of name Minnesota Paints, Inc. Varnish enamel. Serial No. 539,604, May 20. Class 16.

Minnesota Paints, Inc.: *See*—
Minnesota Linseed Oil Paint Company.

Minute-Glo Co.: *See*—
Slede, Elizabeth D.

Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Textile, woven, woolen rugs and carpets. Serial No. 617,303, May 20. Class 42.

Moore, John W., doing business as Moore Products Mfg. Co., Ames, Iowa. Chemical cleaner. Serial No. 609,659, May 20. Class 52.

Moore Products Mfg. Co.: *See*—
Moore, John W.

Moran, Joseph M., doing business as Kleen-Kurl Sales Co., Chicago, Ill. Stainless steel industrial sponge. Serial No. 596,178, May 20. Class 4.

Morton Delicacies, Inc., Chicago, Ill. Garlic dressing. Serial No. 621,477, May 20. Class 46.

Mosen, Adolph, doing business under the name and style of Bestlyne Company, New York, N. Y. Bathing suits. Serial No. 503,585, May 20. Class 39.

Mutual Apple Growers, Inc., Brewster, Wash. Fresh apples. Serial No. 620,682, May 20. Class 46.

Nantex Manufacturing Co., Inc., New York, N. Y. Men's cotton, rayon, cotton and nylon shorts. Serial No. 615,240, May 20. Class 39.

National Electric Products Corporation, Pittsburgh, Pa. Electric conductors. Serial No. 613,723, May 20. Class 21.

National Office Supply Co., Waukegan, Ill. Pencils and pens. Serial No. 539,072, May 20. Class 37.

New York Association for the Blind, Inc., The, New York, N. Y. Mops, mop handles, and brooms. Serial No. 606,034, May 20. Class 29.

New York Association for the Blind, Inc., The, New York, N. Y. Mops. Serial No. 606,042, May 20. Class 29.

Nicholson File Company, Providence, R. I. Files and rasps. Serial No. 552,364, May 20. Class 23.

O'Leary, Lydia, Inc., New York, N. Y. Cosmetic. Serial No. 620,360, May 20. Class 51.

Omar Products Company, The, Columbus, Ohio. Wall cleaner. Serial No. 606,391, May 20. Class 52.

Oneida Ltd., Oneida and Sherrill, N. Y. Sterling silver flat tableware. Serial No. 566,470, May 20. Class 28.

Orfeo Industrial Comercial Financiera Sociedad Anónima, Buenos Aires, Argentina. Grooved phonograph records. Serial No. 597,975, May 20. Class 36.

Pacific Gas Corporation, New York, N. Y. Liquefied petroleum gases. Serial No. 614,362, May 20. Class 6.

Paidar, Emil J., Company, Chicago, Ill. Hair dryers, ophthalmic chairs, physiotherapy tables, etc. Serial No. 619,948, May 20. Class 44.

Pan-Am Southern Corporation, New Orleans, La., by change of name from Pan American Petroleum Corporation. Lubricating products. Serial Nos. 577,898–9, May 20. Class 15.

Pan American Petroleum Corporation: *See*—
Pan-Am Southern Corporation.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. Serial No. 572,998, May 20. Class 51.

Parlophone Company Limited, The, Hayes, Middlesex, England. Grooved phonograph records. Serial No. 598,674, May 20. Class 36.

Pearl Coffee Company, The, Akron, Ohio. Tea, vinegar and instant mix. Serial No. 602,854, May 20. Class 46.

Pennsylvania Egg & Poultry Producers Associations, Worcester, Pa. Fresh eggs. Serial No. 540,449, May 20. Class 46.

Phelps-Terkel, Inc., Los Angeles, Calif. Sportswear. Serial No. 576,012, May 20. Class 39.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour, enriched wheat flour, bromated wheat flour, etc. Serial No. 582,322, May 20. Class 46.

Porter, Donald C., Bakersfield, Calif. Precision honing machine. Serial No. 606,679, May 20. Class 23.

Procter & Gamble Company, The, Cincinnati, Ohio. Nut butter stabilizer. Serial No. 566,766, May 20. Class 46.

Progress Food Specialties, Chicago, Ill. Dietetic foods. Serial No. 623,315, May 20. Class 46.

Queen Anne Candy Corporation, doing business under the name Canterbury Candy Makers, Seattle, Wash. Boxed chocolates. Serial No. 599,116, May 20. Class 46.

Rapidol Distributing Corporation, New Hyde Park, N. Y. Skin lotion, vanishing skin-lotion, powder base, etc. Serial No. 612,626, May 20. Class 51.

Refined Products Corporation, Lyndhurst, N. J. Surface-active agent. Serial No. 606,808, May 20. Class 52.

Revlon Products Corporation, New York, N. Y. Nail enamel and lipstick. Serial Nos. 616,048–9, May 20. Class 51.

Richey & Gilbert Company, doing business under the name Snow Mountain Orchard, Yakima, Wash. Gift packages of fresh apples or of fresh pears, etc. Serial No. 604,930, May 20. Class 46.

Ritter Company, Inc., Rochester, N. Y. Dental, medical and surgical appliances. Serial No. 605,440, May 20. Class 44.

Ritter, Rudolf, New York, N. Y. Gelatin-type desserts, baking powder, vanilla sugar, etc. Serial No. 579,559, May 20. Class 46.

Robinson, Lewellyn W., doing business under the names of Warner Hall and Warner Hall Manufacturing Co., Wallace, N. C. Money pouch. Serial No. 610,340, May 20. Class 3.

Rockbestos Products Corporation, New Haven, Conn. Insulated electric conductors. Serial Nos. 611,618–19, May 20. Class 21.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Matzos. Serial No. 596,867, May 20. Class 46.

Rover Manufacturing Company, Inc., New York, N. Y. Dogs' collars, leashes, harnesses, etc. Serial No. 607,299, May 20. Class 3.

Royal Imperial Products Corp., New York, N. Y. Hair restorer. Serial No. 615,794, May 20. Class 51.

Safety Car Heating and Lighting Company, Inc., The, New York, N. Y. Material impelling machines. Serial No. 616,781, May 20. Class 23.

Sanford, John F., Great Neck, N. Y. Perfume, cologne, toilet water, etc. Serial No. 619,365, May 20. Class 51.

Savage Arms Corporation, Utica, N. Y. Gasoline powered rotary lawn mowers. Serial No. 618,182, May 20. Class 23.

Scott, O. M., & Sons Company, Marysville, Ohio. Hand operated mechanical wheeled spreaders. Serial No. 619,899, May 20. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Cleaning fluids (upholstery), metal polish, soap compound, etc. Serial No. 538,744, May 20. Class 4.

Seco Safety Products Company: *See*—
Talnah, Peter C.

Selnshelmer, H. A., Company, The, Cincinnati, Ohio. Men's and boys' suits, overcoats, topcoats, etc. Serial No. 610,104, May 20. Class 39.

Seydel-Woolley & Company, Atlanta, Ga. Liquid adhesive preparation. Serial No. 602,221, May 20. Class 5.

Sherman Paper Products Corporation, Newton, Mass. Packaging divider or pad. Serial No. 599,267, May 20. Class 37.

Slede, Elizabeth D., doing business under the name Minute-Glo Co., Hartford, Conn. Odorless, colorless liquid compounded of various chemical elements used to clean glass, etc. Serial No. 602,341, May 20. Class 52.

Simplex Wire & Cable Company, Cambridge, Mass. Insulated electrical conducting wire and cable. Serial No. 606,734, May 20. Class 21.

Smith, D. B., & Company, Inc., Utica, N. Y. Hand and power operated sprayers, insecticide spray guns, and compressed air sprayers. Serial No. 589,686, May 20. Class 23.

Smith-Dorsey Company, The, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill. Vitamin preparation. Serial No. 619,038, May 20. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for stimulation of the central nervous system, etc. Serial No. 584,159, May 20. Class 18.

Smith, Lowell K., doing business as Soft Touch Dust Cloth Co., Los Angeles, Calif. Chemically treated dust cloths. Serial No. 600,197, May 20. Class 29.

Smith, Russell S., Route 1, Mechanic Falls, Maine. Dietary supplement. Serial No. 601,396, May 20. Class 46.

Snow Mountain Orchard: *See*—
Richey & Gilbert Company.

Societe a Responsabilite Limitee Dite: Marquay, Paris, France. Perfume. Serial No. 620,531, May 20. Class 51.

Soft Touch Dust Cloth Co.: *See*—
Smith, Lowell K.

Southern Belting Company, Atlanta, Ga. Leather and comparable straps. Serial No. 596,876, May 20. Class 23.

Spelrein Luggage Corporation, Brooklyn, N. Y. Ladies' and men's traveling bags, hand luggage cases, etc. Serial No. 616,063, May 20. Class 3.

Squibb, E. R., & Sons, New York, N. Y. Antituberculotic preparation. Serial No. 624,866, May 20. Class 18.

Squice, Inc., Denver, Colo. Prepared cake icings. Serial No. 621,290, May 20. Class 46.

Staley Milling Company, North Kansas City, Mo. Livestock feed. Serial No. 623,289, May 20. Class 46.

Standard Oil Company, The, Cleveland, Ohio. Grinding oil. Serial No. 579,566, May 20. Class 15.
Stern, Brown, Inc., Long Island City, N. Y. Electric combination broilers and grills. Serial No. 602,428, May 20. Class 21.
Sterwin Chemicals Inc., New York, N. Y. Germicide and sanitizing preparation. Serial No. 618,250, May 20. Class 6.
Swift & Company, Chicago, Ill. Adhesives. Serial No. 603,750, May 20. Class 5.
Tainsh, Peter C., doing business as Seco Safety Products Company, Detroit, Mich. Safety clothing. Serial No. 590,765, May 20. Class 39.
Taylor-G-Jede Co., Inc., Webster, Mass. Auger bits. Serial No. 618,717, May 20. Class 23.
Tennessee Corporation, New York, N. Y. Soldering flux. Serial No. 617,325, May 20. Class 6.
Thermset, Inc., Manchester, N. H. Apparatus for use in invisible mending of snags in nylon hosiery. Serial No. 597,713, May 20. Class 23.
Toastmasters International, Santa Ana, Calif. Training in leadership, in public speaking and in criticism thereof. Serial No. 588,238, May 20. Class 107.
United Biscuit Company of America, doing business under the style name of Keebler-Weyl Baking Co., Chicago, Ill., and Philadelphia, Pa. Crackers. Serial No. 608,576, May 20. Class 46.
United Engineers & Constructors Inc., Philadelphia, Pa. Shaft driven machines. Serial No. 555,030, May 20. Class 23.
United Enterprises, Inc., Chicago, Ill. Stick cologne. Serial No. 620,700, May 20. Class 51.
United States Pen Company, Inc., New York, N. Y. Fountain pens, mechanical pencils and ball point pens. Serial No. 596,311, May 20. Class 37.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 619,371, May 20. Class 18.
Vacu-Dry Company, Oakland, Calif. Fruit-nut bread. Serial No. 593,379, May 20. Class 46.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Emulsifier for foods. Serial No. 621,344, May 20. Class 46.
Vanol Chemical Company, Ann Arbor, Mich. Nose drops, vaginal jelly, greaseless ointments and lotions, etc. Serial No. 524,029, May 20. Class 51.
Wallach's, Inc., New York, N. Y. Men's suits, overcoats, topcoats, etc. Serial No. 611,004, May 20. Class 39.
Wampole, Henry K., & Company, Incorporated, Philadelphia, Pa. Mineral dietary supplements. Serial No. 619,115, May 20. Class 18.
Wander Company, The, assignee: *See*—
Smith-Dorsey Company, The
Warner Hall: *See*—
Robinson, Lewellyn W.
Warner Hall Manufacturing Co.: *See*
Robinson, Lewellyn W.
Warner-Hudnut, Inc., New York, N. Y. Bulk laxative. Serial No. 618,996, May 20. Class 18.
Warner-Hudnut, Inc., New York, N. Y. Antispasmodics. Serial No. 618,997, May 20. Class 18.
Warner-Hudnut, Inc., New York, N. Y. Multivitamin preparation. Serial No. 618,998, May 20. Class 18.
Wearever Shirt Co., Inc., New York, N. Y. Dress shirts, flannel shirts, sport shirts, etc. Serial No. 611,321, May 20. Class 39.
Wellco Shoe Corporation, Waynesville, N. C., and elsewhere in the United States. Footwear. Serial No. 581,056, May 20. Class 39.
West Disinfecting Company, Long Island City, N. Y. Metal cabinets. Serial No. 611,672, May 20. Class 13.
West Disinfecting Company, Long Island City, N. Y. Liquid soap. Serial No. 625,168, May 20. Class 52.
West Disinfecting Company, Long Island City, N. Y. Liquid soap. Serial No. 625,170, May 20. Class 52.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,160, May 20. Class 37.
Wilson Brothers, Chicago, Ill. Men's pajamas. Serial No. 605,127, May 20. Class 39.
Wilson Rubber Company, The, Canton, Ohio. Rubber and plastic surgical gloves. Serial No. 617,571, May 20. Class 44.
Wimberly, Irvin, Church Point, La. Sweet potatoes. Serial No. 621,349, May 20. Class 46.
Wirthmore Feed Co., Cleveland, Ohio, by change of name from The E. G. Conkey Company. Poultry feed, livestock feed, pigeon feed, etc. Serial No. 545,820, May 20. Class 46.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent. Serial No. 591,535, May 20. Class 52.
Wyeth Incorporated, Philadelphia, Pa. Penicillin and streptomycin. Serial No. 619,372, May 20. Class 18.
Wyeth Incorporated, Philadelphia, Pa. High protein food formula. Serial No. 619,373, May 20. Class 46.
Zinsser, William, & Co. Incorporated, New York, N. Y. Combination flat white primer, sealer and stain killer coating composition. Serial No. 615,919, May 20. Class 16.

LIST OF REGISTRANTS OF TRADE-MARKS

Acritex, Inc., New York, N. Y. Varnishes. 559,002, May 20; Serial No. 599,545, published Jan. 1, 1952. Class 16.
Ada Milling Company, Ada, Okla. Mixed feed pellets. 559,011, May 20; Serial No. 601,128, published Feb. 12, 1952. Class 46.
Adam Hat Stores, Inc., New York, N. Y. Men's and boys' hats and caps, dress shirts, outer and under shirts, etc. 558,985, May 20; Serial No. 594,940, published Jan. 22, 1952. Class 39.
Addressograph-Multigraph Corporation: *See*—
American Multigraph Co.
Addressograph-Multigraph Corporation, Cleveland, Ohio. Inking ribbons. 294,526, renewed May 31, 1952. O. G. May 20. Class 11.
Addressograph-Multigraph Corporation, Cleveland, Ohio. Chemicals. 559,132, May 20; Serial No. 615,808, published Feb. 26, 1952. Class 6.
Alms Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y. Chocolated sulfathiazole. 559,005, May 20; Serial No. 599,684, published Jan. 1, 1952. Class 18.
Aktiebolaget B. A. Hjorth & Co., Stockholm, Sweden. Petroleum cooking stoves, soldering lamps and parts thereof and accessories. 85,541, re-renewed Feb. 27, 1952. O. G. May 20. Class 34.
Alexander, Merle L., Albuquerque, N. Mex. Sandwiches. 559,039, May 20; Serial No. 604,946, published Mar. 4, 1952. Class 46.
Allen Electric and Equipment Company, Kalamazoo, Mich. Motor analyzing apparatus and parts thereof. 558,995, May 20; Serial No. 597,569, published Feb. 19, 1952. Class 26.
Allied Chemical & Dye Corporation, New York, N. Y. Synthetic organic coloring material. 558,966, May 20; Serial No. 587,924, published Mar. 6, 1951. Class 6.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Mechanical agitators. 559,083, May 20; Serial No. 611,392, published Jan. 22, 1952. Class 23.
American Art Metals Company, Atlanta, Ga. Metallic structural elements. 558,929, May 20; Serial No. 556,861, published Feb. 12, 1952. Class 12.
American Bitumuls & Asphalt Company: *See*—
American Bitumuls Company.
American Bitumuls Company, Wilmington, Del., and San Francisco, Calif., to American Bitumuls & Asphalt Company, San Francisco, Calif. Asphalt, asphaltic emulsions and compounds, pavement materials, etc. 291,259, renewed Feb. 2, 1952. O. G. May 20. Class 12.
American Cyanamid Company, New York, N. Y. Antioxidant. 559,127, May 20; Serial No. 615,363, published Mar. 4, 1952. Class 6.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Pencils. 87,308, re-renewed July 9, 1952. O. G. May 20. Class 37.
American Laundry Machinery Company, The, Cincinnati and Norwood Station, Cincinnati, Ohio. Conditioning tumbler for laundry work. 559,148, May 20; Serial No. 618,613, published Feb. 19, 1952. Class 24.
American Multigraph Co., Wilmington, Del., and Cleveland, Ohio, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Materials and solutions which act as the solvent in removing ink, grease, etc. 293,735, renewed May 3, 1952. O. G. May 20. Class 52.
American Multigraph Co., Wilmington, Del., and Cleveland, Ohio, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Photographic sensitizing materials and solutions. 293,894, renewed May 10, 1952. O. G. May 20. Class 6.
Arabol Manufacturing Company, The, New York, N. Y. Adhesives. 294,342, renewed May 24, 1952. O. G. May 20. Class 5.
Archem Corporation, Crete, Nebr. Treated corn. 559,026, May 20; Serial No. 603,567, published Mar. 4, 1952. Class 46.
Ardin, Lucien, Inc., New York, N. Y. Wines and vermouth. 559,112, May 20; Serial No. 614,120, published Feb. 26, 1952. Class 47.
Arkansas Company Inc., New York, N. Y., to Arkansas Company Inc., Newark, N. J. Compound used as a solvent for starch, waxes, and cerisin, etc. 293,602, renewed May 3, 1952. O. G. May 20. Class 6.
Arkansas Company, Inc., Newark, N. J. Vegetable oil used for textile dyeing and finishing. 559,043, May 20; Serial No. 605,458, published Mar. 4, 1952. Class 6.
Armour and Company, Chicago, Ill. Vitamin compositions. 559,113, May 20; Serial No. 614,125, published Jan. 15, 1952. Class 18.
Artistic Beauty Products Company, Los Angeles, Calif. Hair shampoo. 558,975, May 20; Serial No. 592,746, published Feb. 26, 1952. Class 52.
Astra Pharmaceutical Products, Inc., Worcester, Mass. Pharmaceutical preparations. 559,094, May 20; Serial No. 612,481, published Jan. 1, 1952. Class 18.

Astra Trading Corporation, New York, N. Y. Cigarette lighters. 559,095, May 20; Serial No. 612,579, published Mar. 4, 1952. Class 8.
Atlantic Brewing Company, Chicago, Ill. Beer. 559,186, May 20; Serial No. 612,580. Class 48.
Attorney General of the United States, vested in the: *See*—
Zeiss, Carl.
Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receivers. 559,012, May 20; Serial No. 601,187, published Apr. 17, 1951. Class 21.
Baker, Charles, & Company, Inc., to Baker Clothes, Inc., Philadelphia, Pa. Men's suits. 291,844, renewed Feb. 23, 1952. O. G. May 20. Class 39.
Baker Clothes, Inc.: *See*—
Baker, Charles, & Company, Inc.
Ballinger, W. A., & Co., San Francisco, Calif. Sheets and pillow-cases. 559,149, May 20; Serial No. 618,876, published Feb. 26, 1952. Class 42.
Bareco Oil Company, Tulsa, Okla. Microcrystalline wax. 559,049–53, May 20; Serial Nos. 607,066–70, published Mar. 4, 1952. Class 6.
Barnes & Jones, Boston, Mass., to Barnes & Jones Incorporated, Jamaica Plain, Boston, Mass. Plumbing and steam fitting valves and traps. 295,523, renewed July 5, 1952. O. G. May 20. Class 13.
Barnes & Jones Incorporated: *See*—
Barnes & Jones.
Barron, Anderson Company, Boston, Mass. Men's topcoats and overcoats. 559,076, May 20; Serial No. 610,667, published Feb. 5, 1952. Class 39.
Baxter Laboratories, Inc., Morton Grove, Ill. Fluids for parenteral use. 559,151, May 20; Serial No. 620,382, published Feb. 26, 1952. Class 18.
Belk Brothers Company, The, Charlotte, N. C. Men's suits, top coats, leather and cotton jackets, etc. 559,110, May 20; Serial No. 613,952, published Feb. 5, 1952. Class 39.
Berger, Milton, Leather Corp., Gloversville, N. Y. Washable Arabian mocha suede leather. 559,098, May 20; Serial No. 612,676, published Jan. 15, 1952. Class 1.
Bettschen, Oscar, New York, N. Y. Watches, clocks and parts thereof. 559,066, May 20; Serial No. 608,980, published Jan. 15, 1952. Class 27.
Blair Milling Company, The, Atchison, Kans. Wheat flour. 558,915, May 20; Serial No. 536,577, published July 26, 1949. Class 46.
Blank, J. S., & Co. Inc., New York, N. Y. Neckties. 559,007, May 20; Serial No. 600,253, published Jan. 22, 1952. Class 39.
Bolta Rubber Comb Sales Corporation, New York, N. Y. Combs. 291,744, renewed Feb. 23, 1952. O. G. May 20. Class 40.
Bone Dry Shoe Mfg. Co., Tacoma, Wash. Shoe grease and shoe dressing. 559,065, May 20; Serial No. 608,914, published Mar. 4, 1952. Class 6.
Bostwick Laboratories, Inc., Bridgeport, Conn. Insect killer, moth proofing preparation, air refresher. 559,070, May 20; Serial No. 609,777, published Mar. 4, 1952. Class 6.
Botany Mills, Inc.: *See*—
Botany Worsted Mills.
Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Worsted knitting yarns. 331,521, Jan. 14, 1936. Republished May 20. Class 43.
Burne & Hollingsworth Limited, London, England. Articles of clothing. 558,988, May 20; Serial No. 595,652, published Nov. 20, 1951. Class 39.
Brach, E. J., & Sons, Chicago, Ill. Candy. 558,957, May 20; Serial No. 582,595, published Mar. 4, 1952. Class 46.
Breinig Brothers, Inc., Hoboken, N. J. Varnishes, lacquers, wood primers, etc. 558,914, May 20; Serial No. 30,803, published Feb. 19, 1952. Class 16.
Brevitt Shoes Limited, Leicester, England. Handbags. 432,623, Sept. 9, 1947. Republished May 20. Class 3.
Brevitt Shoes Limited, Leicester, England. Shoes. 442,997, June 28, 1949. Republished May 20. Class 39.
Brevitt Shoes Limited, Leicester, England. Men's, women's, and children's shoes. 444,533, July 24, 1951. Republished May 20. Class 39.
Briggs Bituminous Composition Co.: *See*—
Farber, John D.
Bruce, Robert: *See*—
Stevenson, Margery D., G. A. Calazel and R. Bruce.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Ultra-violet ray germicidal lamp. 559,103, May 20; Serial No. 613,114, published Feb. 5, 1952. Class 21.
Buckeye Foods, Inc., Columbus, Ohio. Pretzels and popcorn. 558,984, May 20; Serial No. 594,246, published Mar. 4, 1952. Class 46.
Bulova Watch Company, Inc., New York, N. Y. Watches. 559,054, May 20; Serial No. 607,483, published Jan. 15, 1952. Class 27.
Burney & Felder, San Antonio, Tex. Masonry material, mortar imbedding mix, shingles, etc. 559,067-8, May 20; Serial No. 609,070-1, published Feb. 5, 1952. Class 12.
Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 559,109, May 20; Serial No. 613,623, published Feb. 26, 1952. Class 6.
Calazel, Gilles Alben: *See*—
Stevenson, Margery D., G. A. Calazel and R. Bruce.
Calef Bros. Co., New Bradford, Mass. Ladies' house dresses. 559,181, May 20; Serial No. 607,415. Class 39.
California Saw Works, San Francisco, Calif. Knives and cutters. 558,928, May 20; Serial No. 553,813, published Jan. 22, 1952. Class 23.
Carston, Ernest J., Chicago, Ill. Neckties. 558,945, May 20; Serial No. 573,304, published Jan. 22, 1952. Class 39.
Carter, William, Company, The, Needham Heights, Mass. Infants' and children's sun suits. 559,137, May 20; Serial No. 616,411, published Feb. 26, 1952. Class 39.
Casco Products Corporation, Bridgeport, Conn. Electric windshield heaters, electric fans, and rheostats. 559,101, May 20; Serial No. 612,848, published Feb. 19, 1952. Class 21.
Caterpillar Tractor Co.: *See*—
Holt Manufacturing Company, The.
Century Electric Company, St. Louis, Mo. Electrical apparatus. 294,940, renewed June 14, 1952. O. G. May 20. Class 21.
Chain Belt Company, Milwaukee, Wis. Belt and chain take-ups and tighteners, apron and pan conveyers and parts thereof, etc. 292,083, renewed Mar. 1, 1952. O. G. May 20. Class 23.
Chamberlain, F. B., Company, St. Louis, Mo. Flavoring extracts, buckwheat, rye, wheat and graham flour, etc. 84,081, Nov. 7, 1911. Republished May 20. Class 46.
Channell Chemical Company, to O-Cedar Corp'n, Chicago, Ill. Mops. 87,163, renewed July 2, 1952. O. G. May 20. Class 29.
Charm Pederma Co.: *See*—
Saari, Wayne J.
Chicago Belting Company, Chicago, Ill. Leather belting. 558,959, May 20; Serial No. 583,588, published Aug. 21, 1951. Class 35.
Chicago Paints, Inc., Chicago, Ill. Paint enamels. 558,917, May 20; Serial No. 538,364, published Jan. 8, 1952. Class 16.
Chipman Chemical Company, Inc., Bound Brook, N. J. Weed killing chemical. 558,944, May 20; Serial No. 573,116, published Mar. 27, 1951. Class 6.
Ciba Pharmaceutical Products, Inc.: *See*—
Society of Chemical Industry in Basle.
Citrus Juice & Flavor Co., Ltd.: *See*—
Citrus Juice & Flavor Company.
Citrus Juice & Flavor Company, Los Angeles, to Citrus Juice & Flavor Co., Ltd., Orange and Santa Ana, Calif. Nonalcoholic, noncereal, maltless beverages. 277,801, renewed Nov. 25, 1950. O. G. May 20. Class 45.
Cloverdale Spring Company: *See*—
Cloverdale Spring Company, The.
Cloverdale Spring Company, The, also known as Cloverdale Spring Company, Baltimore, Md. Maltless soft drinks and carbonated waters. 559,176, May 20; Serial No. 603,574. Class 45.
Cloverly Plastics, Inc., New York, N. Y. Window curtains and draperies. 558,973, May 20; Serial No. 591,356, published Mar. 4, 1952. Class 42.
Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' bow ties. 559,122, May 20; Serial No. 615,050, published Feb. 19, 1952. Class 39.
Coats, J. & P. (R. I.) Inc., Pawtucket, R. I. Thread. 559,060, May 20; Serial No. 607,956, published Feb. 26, 1952. Class 43.
Cold Cartridge Corp., Fairmount, Ind. Small containers filled with a chemical fluid, which when refrigerated retain the cold for packing purposes. 559,172, May 20; Serial No. 595,061. Class 31.
Colorversion Co., Chicago, Ill. Eyeglasses. 559,134, May 20; Serial No. 615,971, published Feb. 5, 1952. Class 26.
Columbus Plastic Products, Inc., Columbus, Ohio. Tobacco humidors. 559,019, May 20; Serial No. 602,601, published Mar. 4, 1952. Class 8.
Commercial Solvents Corporation, New York, N. Y. Compositions for cleaning carburetors, fuel pumps, etc. 558,961, May 20; Serial No. 585,432, published Feb. 26, 1952. Class 52.
Conn, C. G., Ltd., Elkhart, Ind. Musical, various sound-emitting, and percussion instruments. 558,979, May 20; Serial No. 593,531, published Feb. 26, 1952. Class 36.
Continental Rubber Works, Erie, Pa. Rubber fabric or metal reinforced or jacketed hose. 558,925, May 20; Serial No. 548,146, published Nov. 29, 1949. Class 35.
Corn Exchange National Bank and Trust Company, to Girard Trust Corn Exchange Bank, Philadelphia, Pa. Blank check. 289,749, renewed Dec. 1, 1951. O. G. May 20. Class 37.
Couri-Amoury Inc., New York, N. Y. Infants' diapers. 558,993, May 20; Serial No. 597,129, published Feb. 26, 1952. Class 39.
Crawford McGregor and Canby Company, The, Dayton, to Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 293,641, renewed May 3, 1952. O. G. May 20. Class 22.
Cresca Company, Inc., New York, N. Y. Artichoke bottoms, bur le duc capers, creme de marrons, etc. 559,003, May 20; Serial No. 599,554, published Feb. 26, 1952. Class 46.
Crescent Art Linen Co., New York, N. Y. Dresser and bureau scarves, printed, embroidered and flocked scarfing, etc. 559,061, May 20; Serial No. 608,302, published Mar. 4, 1952. Class 42.
Cross, June C., New York, N. Y. Turbans. 559,123, May 20; Serial No. 615,053, published Feb. 19, 1952. Class 39.

Crossett Chemical Company, Crossett, Ark. Charcoal. 294,978, renewed June 14, 1952. O. G. May 20. Class 1.

D. Jordaan & Zonen's Textielfabrieken N. V., Haaksbergen, Netherlands. Textile piece goods, tablecloths, doilies, etc. 558,970, May 20; Serial No. 588,959, published Feb. 26, 1952. Class 42.

Daland, Frederick H., New York, N. Y., to The Hewitt Soap Company, Inc., Dayton, Ohio. Toilet scouring, and cleansing soap. 85,086, re-renewed Jan. 30, 1952. O. G. May 20. Class 52.

Dearborn Chemical Company, Chicago, Ill. Cleaners, cleaning compounds and preparations. 558,983, May 20; Serial No. 594,105, published Feb. 19, 1952. Class 52.

Decorators Work Shop, Incorporated, Bridgeport, Conn. Valances, drapes, lambrequins, bed spreads, and curtains. 558,982, May 20; Serial No. 593,910, published Mar. 4, 1952. Class 42.

Demuth, William, & Company, to D. A. Schulte, Inc., New York, N. Y. Smoking and chewing tobacco, cigarettes, and cigars. 292,831, renewed Mar. 29, 1952. O. G. May 20. Class 17.

Denison Engineering Company, The, Columbus, Ohio. Hydraulic presses and parts therefor. 559,156, May 20; Serial No. 533,667. Class 23.

Detex Watchclock Corporation: *See*—
Hardinge Brothers.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. 558,933, May 20; Serial No. 561,890, published Feb. 26, 1952. Class 52.

Diamond Alkali Company, Cleveland, Ohio. Grain fumigant. 559,119, May 20; Serial No. 614,759, published Mar. 4, 1952. Class 6.

Dick, A. B., Company, Niles, Ill. Materials used in lithographic printing. 559,074, May 20; Serial No. 610,421, published Mar. 4, 1952. Class 6.

Dick, A. B., Company, Niles, Ill. Materials used in lithographic printing. 559,075, May 20; Serial No. 610,426, published Mar. 4, 1952. Class 6.

Di-Noc Company, The, Cleveland, Ohio. Wall board having a decorated surface. 559,023, May 20; Serial No. 603,224, published Feb. 12, 1952. Class 12.

Ditto, Incorporated, Chicago, Ill. Liquid preparation for use in duplicating processes. 558,987 May 20; Serial No. 595,251, published Feb. 19, 1952. Class 11.

Dodenhoff, Jake V., Greenville, S. C. Carbonated non-alcoholic maltless soft drink. 559,183, May 20; Serial No. 608,860. Class 45.

Dolge, C. B., Company, The, Westport, Conn. Liquid weed killer. 559,009, May 20; Serial No. 600,949, published May 8, 1951. Class 6.

Dortch Baking Company, Atlanta, Ga. Bakery products. 559,179, May 20; Serial No. 605,411. Class 46.

Doud Milling Company, Denison, Iowa. Pancake flour, breakfast cereal, corn meal, etc. 559,147, May 20; Serial No. 618,538, published Feb. 26, 1952. Class 46.

Drew, E. F., & Co., Inc., New York, N. Y. Organic condensation product. 558,927, May 20; Serial No. 550,999, published Feb. 26, 1952. Class 52.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Military smokeless powder. 295,518, renewed July 5, 1952. O. G. May 20. Class 9.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds, mixtures, or solutions. 559,117, May 20; Serial No. 614,544, published Mar. 4, 1952. Class 6.

Duriron Company, Inc., The, Dayton, Ohio. Castings of ferrous alloys and wrought sheets and bars. 295,561, renewed July 5, 1952. O. G. May 20. Class 14.

E-Z-On Dresses Inc., New York, N. Y. Ladies' dresses. 344,241, Mar. 16, 1937. Amended. O. G. May 20. Class 39.

Eaton Canning Company, Eaton, Ind. Canned tomato juice, canned tomato puree, canned vegetables, etc. 559,069, May 20; Serial No. 609,635, published Feb. 26, 1952. Class 46.

Edgar Brothers Company, Metuchen, N. J. Paint pigments. 558,942, May 20; Serial No. 572,090, published Feb. 19, 1952. Class 16.

Empire Carpet Corporation, New York, N. Y. Textile rugs and carpets. 558,960, May 20; Serial No. 584,980, published Feb. 26, 1952. Class 42.

Empire Paper Company, Chicago, Ill. Writing paper. 559,157, May 20; Serial No. 564,848. Class 37.

Encore Inc., Los Angeles and Hollywood, Calif. Cameras. 559,135, May 20; Serial No. 615,976, published Feb. 5, 1952. Class 26.

Ercona Camera Corporation, New York, N. Y. Cameras. 559,111, May 20; Serial No. 613,978, published Feb. 12, 1952. Class 26.

Etablissements Ed. Jaeger, Levallois-Perret, Seine, France. Clocks. 559,010, May 20; Serial No. 601,032, published Jan. 15, 1952. Class 27.

Eutectic Welding Alloys Corporation, New York and Flushing, N. Y. Brazing shims. 559,107, May 20; Serial No. 613,505, published Feb. 26, 1952. Class 35.

Fanmour Corporation, New York, N. Y. Necklaces embodying artificial pearls. 558,981, May 20; Serial No. 593,792, published Jan. 15, 1952. Class 28.

Farber, John D., doing business under the name of Briggs Bituminous Composition Co., Philadelphia, Pa. Bituminous compound paint coatings. 559,001, May 20; Serial No. 599,506, published Feb. 12, 1952. Class 16.

Farnham, George J., doing business as Farnham's Flower Transparencies, Seattle, Wash. Transparencies for use in single or three dimension projectors or viewers. 559,056, May 20; Serial No. 607,542, published Feb. 12, 1952. Class 26.

Farnham's Flower Transparencies: *See*—
Farnham, George J.

Feller-Jones Corporation, New York, N. Y. Cleaner fluid. 558,978, May 20; Serial No. 593,065, published Feb. 26, 1952. Class 52.

Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruits. 294,867, renewed June 7, 1952. O. G. May 20. Class 46.

Finch, Joseph S., and Company: *See*—
Oberfelder, Irving M.

Finney Company, The, assignee: *See*—
Finney Corporation.

Finney Corporation, assignor to The Finney Company, Cleveland, Ohio. Television, broadcasting and receiving antennas and parts therefor. 559,104, May 20; Serial No. 613,125, published Feb. 5, 1952. Class 21.

Fishing Gazette Publishing Corp., New York, N. Y. Periodical. 558,935, May 20; Serial No. 568,103, published Feb. 12, 1952. Class 38.

Food Technology, Inc., Chicago, Ill. Composition for improving the water absorptive and retention properties of bread. 559,182, May 20; Serial No. 607,493. Class 46.

Fordin Watch Company: *See*—
Moradpour, Zoekrya.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 559,150, May 20; Serial No. 619,615, published Mar. 4, 1952. Class 42.

Fox River Paper Corporation, Appleton, Wis. Writing paper. 559,158, May 20; Serial No. 566,333. Class 37.

Frankfort Distilleries, Incorporated, by Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 339,320, Oct. 6, 1936. Republished May 20. Class 49.

Frankfort Distilleries, Incorporated, by Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 340,140, Nov. 3, 1936. Republished May 20. Class 49.

Frankfort Distilleries, Incorporated, Louisville, Ky., by Paul Jones and Company, Inc., Baltimore, Md. Whiskey. 351,463, Nov. 2, 1937. Republished May 20. Class 49.

Freedom-Valvoline Oil Company: *See*—
Galena-Signal Oil Company.

Fritzsche Brothers, Inc., New York, N. Y. Chemical compounds suitable for the flavoring of food products, etc. 295,077, renewed June 14, 1952. O. G. May 20. Class 46.

Galena-Signal Oil Company, Franklin, to Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating-oils. 38,631, re-renewed July 15, 1952. O. G. May 20. Class 15.

General Aniline & Film Corporation, New York, N. Y. Chemical preparations. 559,136, May 20; Serial No. 616,287, published Mar. 4, 1952. Class 6.

General Aniline & Film Corporation, New York, N. Y. Photographic albums. 559,177, May 20; Serial No. 604,093. Class 37.

General Strapping Corporation, New York, N. Y. Machines used for applying metal flat band strapping to boxes, bales, packages, and the like. 559,171, May 20; Serial No. 594,318. Class 23.

General Tire & Rubber Company, The, Akron, Ohio. Golf balls. 293,731, renewed May 3, 1952. O. G. May 20. Class 22.

George Schafer-H. C. Pfaff Cigar Company, The, Baltimore, Md. Cigars. 294,541, renewed May 31, 1952. O. G. May 20. Class 17.

Gerber Products Company, Oakland, Calif. Canned fruits, canned vegetables, canned vegetable juices, etc. 559,055, May 20; Serial No. 607,496, published Feb. 26, 1952. Class 46.

Giblan, Francis, Inc., New York, N. Y. Hosiery, stockings, socks, etc. 559,072, May 20; Serial No. 610,015, published Feb. 26, 1952. Class 39.

Geigy Company, Inc., New York, N. Y. Dyestuffs, lakes, and chemical products. 290,749, Jan. 12, 1932. Republished May 20. Class 6.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Fluid-dispensing pumps. 559,047, May 20; Serial No. 606,770, published Feb. 26, 1952. Class 26.

Gilbert Orchards, Inc., Yakima, Wash. Fresh apples. 559,145, May 20; Serial No. 617,792, published Feb. 12, 1952. Class 46.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 291,052, renewed Jan. 26, 1952. O. G. May 20. Class 23.

Girard Trust Corn Exchange Bank: *See*—
Corn Exchange National Bank and Trust Company.

Glade Candy Co., Salt Lake City, Utah. Candy. 559,161, May 20; Serial No. 571,801. Class 46.

Gold Kist Wine Company: *See*—
Schenley Distillers Corporation.

Gordon Baking Co., Detroit, Mich. Bread. 558,910, May 20; Serial No. 521,878, published Mar. 4, 1952. Class 46.

Gordon Sanitary Systems Corporation, Chicago, Ill. Sewage disposal systems and parts thereof. 558,948, May 20; Serial No. 575,210, published Feb. 5, 1952. Class 13.

Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Company, Inc.

Gotham Silk Hosiery Company, Inc., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 295,547, renewed July 5, 1952. O. G. May 20. Class 39.

Gotham Tissue Corporation, New York, to Gotham Tissue Corporation, Salem, N. Y. Toilet paper and paper facial tissues. 295,970, renewed July 19, 1952. O. G. May 20. Class 37.

Green Giant Company: *See*—
Minnesota Valley Canning Company.

Grems, Colis R., doing business under the assumed business name of Grems Mfg. Co., Klamath Falls, Oreg. Roof paint. 559,020, May 20; Serial No. 602,760, published Oct. 9, 1951. Class 16.

Grems Mfg. Co.: *See*—
Grems, Colis R.

Griswoldville Manufacturing Company, New York, N. Y., to The Kendall Company, Walpole, Mass. Certain textile fabric—viz, starched tobacco cloth. 291,664, renewed Feb. 23, 1952. O. G. May 20. Class 42.

Gunther, Wagner, S. R. L., Buenos Aires, Argentina. Drawing inks, Chinese inks, writing inks, etc. 558,939, May 20; Serial No. 569,843, published Feb. 26, 1952. Class 11.

H & H Distributing Company, Inc., Chicago, Ill. Whiskey. 559,185, May 20; Serial No. 610,127. Class 49.

Hach Chemical Company: *See*—
Hach, Clifford.

Hach, Clifford, doing business as Hach Chemical Company, Ames, Iowa. Chemicals and chemical compositions. 559,086–7, May 20; Serial Nos. 612,158–9, published Mar. 4, 1952. Class 6.

Hach, Clifford, doing business as Hach Chemical Company, Ames, Iowa. Chemicals and chemical compositions. 559,088–90, May 20; Serial Nos. 612,161–3, published Mar. 4, 1952. Class 6.

Hall, Robert, Clothes, Inc., Wilmington, Del., and New York, N. Y. Men's and women's suits, topcoats and overcoats. 558,937, May 20; Serial No. 569,271, published Feb. 19, 1952. Class 39.

Haloid Company, The, Rochester, N. Y. Sensitized photographic paper. 295,548–9, renewed July 5, 1952. O. G. May 20. Class 26.

Hamilton Manufacturing Company, Two Rivers, Wis. Cabinet automatic clothes dryers. 559,006, May 20; Serial No. 599,706, published Mar. 4, 1952. Class 24.

Handel, Carl W., Newark, Ohio. Liquid preparation for application to artificial and natural fish bait. 559,042, May 20; Serial No. 605,281, published Feb. 26, 1952. Class 6.

Hansen, Rasmus A., doing business as Retex Company, Livermore, Calif. Composition for treating fabric materials. 559,125, May 20. Serial No. 615,222, published Mar 4, 1952. Class 6.

Hanson-Van Winkle-Munning Company, Mafawan, N. J. Chemical addition agent. 559,130, May 20; Serial No. 615,552, published Mar 4, 1952. Class 6.

Hardinge Brothers, Chicago, Ill., to Detex Watchclock Corporation, New York, N. Y. Watchmen's clocks. 86,587, re-renewed May 21, 1952. O. G. May 20. Class 27.

Harris, A. B., Company: *See*—
Harris, Albert B.

Harris, Albert B., doing business as A. B. Harris Company, New York, N. Y. Canned fish. 558,952, May 20; Serial No. 578,930, published Feb. 26, 1952. Class 46.

Hartman Coal Company: *See*—
Hartman, Raymond.

Hartman, Raymond, doing business as Hartman Coal Company, Kingwood, W. Va. Coal. 559,018, May 20; Serial No. 602,260, published Jan. 15, 1952. Class 1.

Hastings Manufacturing Company, Hastings, Mich. Piston rings. 559,144, May 20; Serial No. 617,496, published Feb. 26, 1952. Class 35.

Hawaiian Pineapple Company, Limited: *See*—
Hawaiian Pineapple Co., Ltd.

Hawaiian Pineapple Co., Ltd., Honolulu, Territory of Hawaii, to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii and San Francisco, Calif. Canned pineapple. 85,113, re-renewed Jan. 30, 1952. O. G. May 20. Class 46.

Hermè; *See*—
Hermet, Jean F. V.

Hermet, Jean F. V., doing business as Hermè, New York, N. Y. Fur coats, jackets, capes, stoles, etc. 558,932, May 20; Serial No. 560,020, published Feb. 19, 1952. Class 39.

Hertz, Alexander, Forest Hills, N. Y. Plastic tray. 558,971, May 20; Serial No. 589,900, published Feb. 26, 1952. Class 2.

Hewitt-Gutta Percha Rubber Corporation, to Hewitt-Robins Incorporated, Buffalo, N. Y. Hose, belting and packing. 295,611, renewed July 5, 1952. O. G. May 20. Class 33.

Hewitt-Robins Incorporated: *See*—
Hewitt-Gutta Percha Rubber Corporation.

Hewitt Soap Company, Inc., The: *See*—
Daland, Frederick H.

Heyden Chemical Corporation, New York, N. Y. Penicillin salt preparations. 559,100, May 20; Serial No. 612,742, published Jan. 8, 1952. Class 18.

His Majesty, Incorporated, Poughkeepsie, N. Y. Neckties. 558,941, May 20; Serial No. 570,254, published Apr. 11, 1950. Class 39.

Hollins, William, & Company Limited, Nottingham, England. Woolen piece goods. 559,102, May 20; Serial No. 612,912, published Feb. 26, 1952. Class 42.

Holt Manufacturing Company, The, Stockton, Calif., to Caterpillar Tractor Co., Peoria, Ill. Lubricating-oils. 85,748, re-renewed Mar. 12, 1952. O. G. May 20. Class 15.

Hoosier Factories, Inc., Michigan City, Ind. Men's trousers. 558,997, May 20; Serial No. 597,956, published Jan. 22, 1952. Class 39.

Houghton, E. F., & Co., Philadelphia, Pa. Ready mixed industrial paints. 295,227, renewed June 21, 1952. O. G. May 20. Class 16.

Hunter Packing Company, East St. Louis, Ill. Cooked ham. 558,989, May 20; Serial No. 595,666, published Feb. 13, 1951. Class 46.

Hytron Radio & Electronics Corp., Salem, Mass. Television picture tubes. 559,093, May 20; Serial No. 612,454, published Feb. 19, 1952. Class 21.

Imco Manufacturing Corporation, The, New York, N. Y. Pyrophoric lighters. 559,040, May 20; Serial No. 604,970, published Mar. 4, 1952. Class 8.

Interchemical Corporation, New York, N. Y. Printing inks. 559,120, May 20; Serial No. 614,778, published Feb. 12, 1952. Class 11.

International Paper Company, New York, N. Y. Unbleached and bleached kraft papers and paperboards. 558,947, May 20; Serial No. 574,836, published Feb. 5, 1952. Class 37.

Jo-Ann Vineyards: *See*—
Schenley Industries, Inc.

Johns-Manville Corporation, New York, N. Y. 558,934, May 20. Diatomaceous silica and asbestos fiber, Serial No. 595,465, published Jan. 15, 1952, Class 1; composition planks, flexible composition flooring tiles, cove base strips, etc., Serial No. 564,950, published June 26, 1951, Class 12; bituminous enamels and paints, etc., Serial No. 590,442, published Sept. 25, 1951, Class 16; dielectric panels for switch boards, electric controller face plates, etc., Serial No. 590,087, published June 5, 1951, Class 21; finely divided chemically inert, siliceous materials to be used in aiding filtration, etc., Serial No. 595,808, published Feb. 6, 1951, Class 31; woven brake linings and clutch facings, molded brake linings and clutch facings, etc., Serial No. 564,951, published Jan. 3, 1952, Class 35. (Consolidated certificate, Classes 1, 12, 16, 21, 31, and 35.)

Jones, Paul, and Company, Inc.: *See*—
Frankfort Distilleries, Incorporated.

Josam Manufacturing Company: *See*—
Josam Manufacturing Company, The.

Josam Manufacturing Company, The, Cleveland, Ohio, to Josam Manufacturing Company, Michigan City, Ind. Fittings and bends. 292,859, renewed Mar. 29, 1952. O. G. May 20. Class 13.

Kagram Corporation, assignee: *See*—
Smith, Robert E.

Kahn, David, Inc., North Bergen, N. J. Pen points. 559,173, May 20; Serial No. 601,628. Class 37.

Kansas City Custom Garment Company, Kansas City, Mo. Men's and women's suits, overcoats and topcoats. 558,919, May 20; Serial No. 540,542, published May 22, 1951. Class 39.

Karp, Paul, doing business under the name of Ty-Craft, Ltd., Los Angeles, Calif. Ties. 559,030, May 20; Serial No. 603,885, published Jan. 22, 1952. Class 39.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Ladies' dresses, evening gowns and wraps, etc. 412,765, Mar. 27, 1945. Republished May 20. Class 39.

Kendall Company, The: *See*—
Griswoldville Manufacturing Company.

Kestenman Bros. Mfg. Co., Providence, R. I. Bracelets, clasps and buckles. 559,077, May 20; Serial No. 610,692, published Jan. 15, 1952. Class 28.

Keystone File Sharpening Co.: *See*—
Wood, J. R.

Kitchen Products, Inc., Buffalo, N. Y., and Chicago, Ill. Canned fruits, canned apple sauce, canned vegetables, etc. 559,014, May 20; Serial No. 601,924, published Aug. 14, 1951. Class 46.

Knit Products Corporation, Belmont, N. C. Hosiery. 291,067, renewed Jan. 26, 1952. O. G. May 20. Class 39.

Kohnstamm, H., & Co., Inc., New York, N. Y. Soap, soap in chips and bars, powdered soap, etc. 558,994, May 20; Serial No. 597,531, published Feb. 26, 1952. Class 52.

Kops Bros., Inc., New York, N. Y. Corsets, brassières and girdles, etc. 292,669, renewed Mar. 22, 1952. O. G. May 20. Class 39.

Kreuter Paint Co., Grand Rapids, Mich. Ready mixed inside and outside house paints and paint undercoaters and sealers. 559,180, May 20; Serial No. 605,428. Class 16.

Labmasters Incorporated, Lincoln, Nebr. Vitamized salt. 559,166, May 20; Serial No. 585,027. Class 46.

Lally, R., Co., Evanston, Ill. Laundry and dry-cleaning press covers, laundry and dry-cleaning press pads. 559,008, May 20; Serial No. 600,541, published Feb. 19, 1952. Class 24.

Lambert Company, The: *See*—
Moore, John Hudson, Inc.

Laros Textiles Company, Bethlehem, Pa. Ladies' hosiery. 558,950, May 20; Serial No. 578,031, published Feb. 26, 1952. Class 39.

Laughlin, Thomas, Company, The, Augusta and Portland, Maine. Clips for wire rope and cables. 559,141, May 20; Serial No. 617,406, published Feb. 26, 1952. Class 13.

Les Laboratoires Gobey, Paris, France. Medicinal preparation. 559,048, May 20; Serial No. 606,784, published Jan. 15, 1952. Class 18.

Levey, Fred'k H., Company, Inc., New York, N. Y. Printing inks. 559,121, May 20; Serial No. 614,881, published Feb. 12, 1952. Class 11.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. 291,082, renewed Jan. 26, 1952. O. G. May 20. Class 14.

Linde Air Products Company, The, to Union Carbide and Carbon Corporation, New York, N. Y. Gas for heating, welding, cutting, etc. 292,798–9, renewed Mar. 29, 1952. O. G. May 20. Class 6.

Lowell, E., Leavenworth, Wash. Pasteurized noncarbonated maltless soft drinks. 559,175, May 20; Serial No. 602,848. Class 45.

Maas & Waldstein Company, Newark, N. J. Lacquers, air drying and baking enamels and varnishes. 558,916, May 20; Serial No. 537,921, published Oct. 31, 1950. Class 16.

Mack & Willies Co., Cleveland, Ohio, by change of name from Mack & Willies Inc. Rheumatic balm. 558,963, May 20; Serial No. 586,538, published Jan. 15, 1952. Class 18.

Mack & Willies Inc.: *See*—
Mack & Willies Co.

Magic Iron Cement Company: *See*—
Reich, Herman J.

Magnaflux Corporation, Chicago, Ill. Making magnetic particle inspections of submitted ferro magnetic articles. 559,155, May 20; Serial No. 612,868, published Feb. 26, 1952. Class 103.

Magnolia Petroleum Company, Galveston and Dallas, to Magnolia Petroleum Company, Dallas, Tex. Gasolene. 85,912, re-renewed Mar. 26, 1952. O. G. May 20. Class 15.

McLaren-Consolidated Cone Corporation, Dayton, Ohio, to National Biscuit Company, New York, N. Y. Bakery products. 289,927, renewed Dec. 15, 1951. O. G. May 20. Class 46.

Markt & Mammacher Company, New York, N. Y. Automotive engine parts. 559,073, May 20; Serial No. 610,084, published Jan. 22, 1952. Class 23.

Marley Company, Inc., The, Kansas City, Kans. Liquid cooling towers and parts thereof. 559,178, May 20; Serial No. 604,646. Class 31.

Martin Fabrics Corporation, New York, N. Y. Velvet and pile fabrics. 559,062, May 20; Serial No. 608,365, published Feb. 26, 1952. Class 42.

Massengill, S. E., Company, The, Bristol, Tenn. Ointment. 558,965, May 20; Serial No. 587,887, published Feb. 5, 1952. Class 18.

Mathieson Chemical Corporation, Baltimore, Md. Bottler's alkali. 559,084, May 20; Serial No. 611,612, published Mar. 4, 1952. Class 6.

Mavar Shrimp & Oyster Co., Ltd., Biloxi, Miss. Canned oysters and canned shell fish. 559,044, May 20; Serial No. 606,024, published Feb. 19, 1952. Class 46.

Mavar Shrimp & Oyster Co. Ltd., Biloxi, Miss. Canned oysters and canned and frozen shell fish. 559,045, May 20; Serial No. 606,025, published Feb. 19, 1952. Class 46.

May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.

McClung, C. M., & Co., Inc., Knoxville, Tenn. Grass hooks, pocket knives, nail hammers, etc. 558,992, May 20; Serial No. 596,742, published Jan. 22, 1952. Class 23.

McCrory Stores Corporation, New York, N. Y. Safety razor blades. 293,667–8, renewed May 3, 1952. O. G. May 20. Class 23.

McKeown Bros. Co., Chicago, Ill. Plastic self-polishing liquid shoe dressing. 559,033, May 20; Serial No. 604,210, published Nov. 13, 1951. Class 4.

McMath, John N., Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Soap and shampoo. 558,967, May 20; Serial No. 588,353, published Feb. 19, 1952. Class 52.

McPherson, Frances O. W., Chicago, Ill. Directories to sales services and entertainment. 559,190, May 20; Serial No. 626,842. Class 38.

Melody Bra & Girdle Co. Inc., New York, N. Y. Brassières and girdles. 559,187, May 20; Serial No. 613,229. Class 39.

Metropolitan Refining Co., Inc., Long Island City, N. Y. Rust, scale, and corrosion preventive and eliminating compound. 294,695, renewed June 7, 1952. O. G. May 20. Class 52.

Mezzetta, G. L., & Co., San Francisco, Calif. Green olives, stuffed olives, pickled onions, etc. 559,160, May 20; Serial No. 569,530. Class 46.

Milani, Louis, Foods, Inc., Los Angeles, Calif. Seasoning. 558,956, May 20; Serial No. 581,820, published Feb. 26, 1952. Class 46.

Miller, Charles N., to Charles N. Miller Co., Boston, Mass. Candy. 95,225, Feb. 3, 1914. New certificate. O. G. May 20. Class 46.

Miller, Charles N., Co.: *See*—
Miller, Charles N.

Millicent Sportwear Corp., New York, N. Y. Women's and girls' skirts and slacks. 558,949, May 20; Serial No. 575,478, published Feb. 19, 1952. Class 39.

Minnesota Valley Canning Company, to Green Giant Company, Le Sueur, Minn. Canned corn. 292,700–1, renewed Mar. 22, 1952. O. G. May 20. Class 46.

Monticello Distilling Co., The: *See*—
Oberfelder, Irving M.

Moore, John Hudson, Inc., New York, N. Y., now by merger The Lambert Company. Kits containing toilet articles, etc. 558,968, May 20; Serial No. 588,586, published Nov. 7, 1950. Class 51.

Moradpour, Zoekrya, doing business as Fordin Watch Company, New York, N. Y. Watches and parts thereof. 559,081, May 20; Serial No. 611,236, published Jan. 15, 1952. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 559,079, May 20; Serial No. 611,039, published Jan. 15, 1952. Class 27.

Murray Hill Restaurant, Inc., New York, N. Y. Men's and boys' neckties, women's and girls' scarves, men's and boys' belts, etc. 559,080, May 20; Serial No. 611,188, published Feb. 5, 1952. Class 39.

N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands. Knitted and woven woolen fabrics. 559,031, May 20; Serial No. 603,976, published Mar. 4, 1952. Class 42.

Narro, Salvador T., Monterrey, Nuevo Leon, Mexico. Playing cards. 559,078, May 20; Serial No. 610,919, published Feb. 26, 1952. Class 22.

National Biscuit Company: *See*—
McLaren-Consolidated Cone Corporation.

National Broom Mfg. Co., Pueblo, Colo. Household brooms. 558,943, May 20; Serial No. 572,756, published Nov. 29, 1949. Class 29.

National Carbon Company, Inc., to Union Carbide and Carbon Corporation, New York, N. Y. Chemical corrosion preventing preparations. 294,295, renewed May 24, 1952. O. G. May 20. Class 6.

National Silver Company, New York, N. Y. Silverplated flatware. 559,105–6, May 20; Serial No. 613,140–1, published Jan. 15, 1952. Class 28.

Naumkeag Steam Cotton Company, Salem, Mass. Sheets and pillow-cases. 87,554, re-renewed July 23, 1952. O. G. May 20. Class 42.

Neptune Meter Company, New York, by Neptune Meter Company, New York and Long Island City, N. Y. Meters. 281,675, Mar. 24, 1931. Republished May 20, 1952. Class 26.

Niles-Bement-Pond Company, West Hartford, Conn. Tracer controlled duplicating machines. 559,034, May 20; Serial No. 604,591, published Jan. 22, 1952. Class 23.

Nixalite Company of America, Davenport, Iowa. Metallic bird and rodent barrier material. 559,138, May 20; Serial No. 616,442, published Feb. 19, 1952. Class 13.

Nursery Items, Inc., New York, N. Y. Padded plastic containers. 559,025, May 20; Serial No. 603,273, published Feb. 26, 1952. Class 2.

Nyrope, Inc., New York, N. Y. Tablets used for sore throats and post-tonsillectomies. 559,022, May 20; Serial No. 603,124, published Jan. 8, 1952. Class 18.

O. K. Manufacturing Company, The, Syracuse, N. Y., to Scovill Manufacturing Company, Waterbury, Conn. Paper-fasteners, rubber ink and pencil erasers, ink-wells, etc. 86,323, re-renewed Apr. 30, 1952. O. G. May 20. Class 37.

Oberfelder, Irving M., trustee for The Monticello Distilling Co., Baltimore, Md., to Joseph S. Finch and Company, New York, N. Y. Whisky. 291,683, renewed Feb. 23, 1952. O. G. May 20. Class 49.

Oceanic Sales Co., Seattle, Wash. Canned salmon. 558,931, May 20; Serial No. 559,319, published Feb. 26, 1952. Class 46.

O-Cedar Corp'n: *See*—
Channell Chemical Company.

Omega Machine Company, Providence, R. I. Lime slaker. 558,954, May 20; Serial No. 581,202, published Jan. 22, 1952. Class 23.

Pacific Gamble Robinson Co.: *See*—
Stone Ordean Wells Company.

Pad-Y-Wax Company, Inc., The, New York, N. Y. Packaging machines. 559,057, May 20; Serial No. 607,637, published Jan. 22, 1952. Class 23.

Parlophone Company Limited, The, Hayes, England. Grooved phonograph records. 558,999, May 20; Serial No. 598,675, published Feb. 26, 1952. Class 36.

Patent Cereals Company, Geneva, N. Y. Dry paste, dry paste flour, adhesive paste, etc. 291,753, renewed Feb. 23, 1952. O. G. May 20. Class 5.

Patent Cereals Company, Geneva, N. Y. Dry paste, dry paste flour, adhesive paste, etc. 292,674, renewed Mar. 22, 1952. O. G. May 20. Class 5.

Peacock, W. G., Company, Evanston, Ill. Coconut syrup. 558,990, May 20; Serial No. 596,115, published Feb. 26, 1952. Class 46.

Peau d'Or Sales Corporation, Miami, Fla. Sun tan cream and sun tan liquid. 558,918, May 20; Serial No. 539,558, published Nov. 7, 1950. Class 51.

Pecora, Joseph, Buffalo, N. Y. Shampoo preparation. 558,977, May 20; Serial No. 593,014, published Feb. 19, 1952. Class 52.

Penick, S. B., & Company, New York, N. Y. Rodenticides. 558,972, May 20; Serial No. 590,518, published Mar. 4, 1952. Class 6.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' outer dress, sport, and work shirts, collars, etc. 558,980, May 20; Serial No. 593,552, published Feb. 19, 1952. Class 39.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 558,991, May 20; Serial No. 596,685, published Mar. 20, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 559,015, May 20; Serial No. 602,053, published Jan. 1, 1952. Class 18.

Pilot Plastics, Inc., Paterson, N. J. Construction toys. 559,143, May 20; Serial No. 617,458, published Feb. 26, 1952. Class 22.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sheet glass. 559,029, May 20; Serial No. 603,856, published Jan. 15, 1952. Class 33.

Poonjiajee, Merwanjee, & Sons, Bombay, India. Chutney. 38,114, re-renewed Apr. 15, 1952. O. G. May 20. Class 46.

Predicto, Inc., Washington, D. C. Game of cards. 559,058, May 20; Serial No. 607,886, published Feb. 26, 1952. Class 22.

Procter & Gamble Company, The, Cincinnati, Ohio. Cleaner, cleanser and detergent. 559,064, May 20; Serial No. 608,716, published Feb. 19, 1952. Class 52.

Purepac Corporation, Newark, N. J., to Purepac Corporation, New York, N. Y. Alum powder, anise seed, bicarb. soda, etc. 294,666, renewed June 7, 1952. O. G. May 20. Class 51.

Quaker Maid Company, Inc., The, New York, N. Y. Canned, bottled and packaged food products. 559,036, May 20; Serial No. 604,744, published Mar. 4, 1952. Class 46.

Quercia, Marcel, Paris, France. Cigarette and cigar lighters. 559,168, May 20; Serial No. 587,602. Class 8.

Radiator Specialty Company, Charlotte, N. C. Radiator stop leak, block sealing compound, chemical compound, etc. 559,085, May 20; Serial No. 611,975, published Feb. 26, 1952. Class 6.

Rauh, E., & Sons Fertilizer Co., Indianapolis, Ind. Tankage and fertilizer. 559,128, May 20; Serial No. 615,411, published Feb. 12, 1952. Class 10.

Realistic Permanent Wave Machine Co., The, Cleveland, Ohio. Hair waving and treating solutions and lotions, hair wash, etc. 293,386, Apr. 19, 1932. Amended. O. G. May 20. Class 51.

Realistic Permanent Wave Machine Company, The, Cleveland, Ohio. Electrical permanent waving heaters, electrical hair waving apparatus. 294,060, May 17, 1932. Amended. O. G. May 20. Class 44.

Reich, Herman J., doing business as Magic Iron Cement Company, Cleveland, Ohio. Concrete and masonry iron waterproofing compound, plastic lead sealing compound, etc. 559,041, May 20; Serial No. 605,055, published Feb. 12, 1952. Class 12.

Republic Paint & Varnish Co., Chicago, Ill. Ready mixed paint enamel. 558,920, May 20; Serial No. 540,883, published Jan. 1, 1952. Class 16.

Republic Paint & Varnish Co., Chicago, Ill. Red barn paint. 558,921, May 20; Serial No. 540,892, published Jan. 1, 1952. Class 16.

Republic Paint & Varnish Co., Chicago, Ill. Paint enamels, quick drying varnish stains and varnish. 558,922, May 20; Serial No. 541,454, published June 19, 1951. Class 16.

Retex Company: *See*—
Hansen, Rasmus A.

Rhodes, M. H., Incorporated, Hartford, Conn. Electric time switches. 292,617, renewed Mar. 22, 1952. O. G. May 20. Class 21.

Riegel Paper Corporation, New York, N. Y. Tympan paper. 290,444, Jan. 5, 1932. Republished May 20. Class 37.

Robinson, Wm. C., & Son, Co., Baltimore, Md., and Coraopolis, Pa., to Wm. C. Robinson & Son Co., Baltimore, Md. Cylinder-oil. 86,618, re-renewed May 21, 1952. O. G. May 20. Class 15.

Rolscreen Company, Pella, Iowa. Window screens. 558,955, May 20; Serial No. 581,735, published Feb. 12, 1952. Class 12.

Rossie Velvet Company, Mystic, to A. Wimpfheimer & Bro., Inc., Stonington, Conn. Pile fabrics. 291,782, renewed Feb. 23, 1952. O. G. May 20. Class 42.

Rotary Seal Company, Chicago, Ill. Shaft seals. 558,911, May 20; Serial No. 527,542, published Jan. 22, 1952. Class 23.

Rotary Seal Company, Chicago, Ill. Shaft seals. 558,912, May 20; Serial No. 527,577, published Jan. 22, 1952. Class 23.

Rougier Freres, Compagnie Incorporee, Montreal, Quebec, Canada. Pharmaceutical product. 559,037, May 20; Serial No. 604,746, published Jan. 8, 1952. Class 18.

Rowe, Fred, doing business as Rowe Machine Works, Seattle, Wash. Donkey-engines. 558,946, May 20; Serial No. 573,797, published Jan. 22, 1952. Class 23.

Rowe Machine Works: *See*—
Rowe, Fred.

Royal Specialty Company, The, to Royal Vacuum Cleaner Company, Cleveland, Ohio. Electric hair-driers and electric vibrators. 85,770, re-renewed Mar. 12, 1952. O. G. May 20. Class 44.

Royal Vacuum Cleaner Company: *See*—
Royal Specialty Company, The.

Russell Playing Card Company, Jersey City, N. J., to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 294,765, renewed June 7, 1952. O. G. May 20. Class 22.

Rutherford & Company: *See*—
Stevenson, Margery Dorothy, Gilles Alben Calazel, and Robert Bruce.

Saari, Wayne J., doing business as Charm Pederma Co., Chicago, Ill. Foot powder. 559,099, May 20; Serial No. 612,705, published Jan. 8, 1952. Class 18.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned citrus fruit juices. 559,000, May 20; Serial No. 599,023, published Mar. 4, 1952. Class 46.

Salter Canning Company, North Rose, N. Y. Canned fruits and vegetables. 558,923, May 20; Serial No. 543,996, published Jan. 2, 1951. Class 46.

Sargeant Acnoid Pharmaceutical Co., Inc., assignee: *See*—
Sargeant, Stanley M.

Sargeant, Stanley M., assignor to Sargeant Acnoid Pharmaceutical Co., Inc., Highland Mills, N. Y. Medicinal salves, ointments, rectal suppositories, etc. 558,996, May 20; Serial No. 597,786, published Jan. 15, 1952. Class 18.

Sargent & Company, New Haven, Conn. Carpenters' planes. 559,063, May 20; Serial No. 608,569, published Jan. 22, 1952. Class 23.

Sargent, Lloyd: *See*—
McMath, John C., Co.

Schacht & Co., Goshen, to Schacht Rubber Mfg. Co., Huntington, Ind. Sink, bath, and basin stoppers, sink, bath, and basin plugs, bumpers, force-cups, etc. 87,280, renewed July 2, 1952. O. G. May 20. Class 13.

Schacht Rubber Mfg. Co.: *See*—
Schacht & Co.

Schenley Distillers Corporation, doing business as Gold Kist Wine Company, New York, N. Y., said Schenley Distillers Corporation now by change of name Schenley Industries, Inc. Wine. 558,936, May 20; Serial No. 568,119, published Feb. 26, 1952. Class 47.

Schenley Industries, Inc.: *See*—
Schenley Distillers Corporation.

Schenley Industries, Inc., also doing business as Jo-Ann Vineyards, New York, N. Y., and Fresno, Calif. Wines. 558,969, May 20; Serial No. 588,891, published Feb. 26, 1952. Class 47.

Schering Corporation, Bloomfield, N. J. Analgesic. 559,114, May 20; Serial No. 614,166, published Jan. 15, 1952. Class 18.

Schulte, D. A., Inc.: *See*—
Demuth, William, & Company.

Scovill Manufacturing Company: *See*—
O. K. Manufacturing Company, The.

Sears, Roebuck and Co., Chicago, Ill. Men's neckties. 291,888, renewed Feb. 23, 1952. O. G. May 20. Class 39.

Selberling Latex Products Company, Barberton, Ohio. Rubber drug sundries. 292,093, renewed Mar. 1, 1952. O. G. May 20. Class 44.

Sexton, John, & Co., Chicago, Ill. Floor and furniture polishes and metal polishes. 558,951, May 20; Serial No. 578,710, published Feb. 19, 1952. Class 4.

Sewell Manufacturing Company, Bremen, Ga. Men's clothing. 559,126, May 20; Serial No. 615,249, published Feb. 19, 1952. Class 39.

Shawinigan Products Corporation, New York, N. Y. Partially and completely hydrolyzed polyvinyl acetate. 599,118, May 20; Serial No. 614,581, published Feb. 26, 1952. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Ready-mixed paints, paint enamels, undercoaters and primers. 559,004, May 20; Serial No. 599,596, published Dec. 25, 1951. Class 16.

Shirtcraft Company, Inc., The, New York, N. Y. Men's and boys' negligee, dress, and sport shirts. 558,974, May 20; Serial No. 591,962, published Feb. 19, 1952. Class 39.

Signature Company, The, New York, N. Y. Machines for writing a plurality of signatures or inscriptions. 87,110, re-renewed June 25, 1952. O. G. May 20. Class 23.

Silex Company, The, Hartford, Conn. Glass jars. 559,046, May 20; Serial No. 606,241, published Jan. 15, 1952. Class 33.

Sindar Corporation, New York, N. Y. Substance having the chemical formula, 2,2'-dihydroxy-3,5,6-3',5',6'-hexachloro diphenyl methane. 559,016, May 20; Serial No. 602,070, published June 5, 1951. Class 6.

Skinner, F. L.: *See*—
Skinner, Lee B.

Skinner, Lee B., to F. L. Skinner, Dunedin, Fla. Oranges, lemons, grape-fruit, etc. 86,408, re-renewed May 7, 1952. O. G. May 20. Class 46.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics. 559,140, May 20; Serial No. 617,319, published Mar. 4, 1952. Class 42.

Skycraft Manufacturing Corporation, Long Beach, Calif. Toy. 559,153, May 20; Serial No. 620,901, published Feb. 19, 1952. Class 22.

Smith, Robert E., assignor to Kagram Corporation, New York, N. Y. Children's cowboy shirts. 558,986, May 20; Serial No. 595,004, published Feb. 26, 1952. Class 39.

Smoothex, Inc., Cleveland, Ohio. Chemical additives. 559,082, May 20; Serial No. 611,378, published Feb. 26, 1952. Class 6.

Society of Chemical Industry in Basle, Basel, Switzerland, to Ciba Pharmaceutical Products, Inc., Summit, N. J. Pharmaceutical product. 87,015, re-renewed June 18, 1952. O. G. May 20. Class 18.

Soreng Manegold Company: *See*—
Soreng Manufacturing Corporation.

Soreng Manufacturing Corporation, Chicago, by change of name from Soreng Manegold Company, by Soreng Manufacturing Corporation, Schiller Park, Ill. Solenoids (both A. C. and D. C.), electric switches (both A. C. and D. C.), etc. 427,389, Feb. 11, 1947. Republished May 20. Class 21.

South Lake Apopka Citrus Growers Association, Oakland, Fla. Oranges, lemons, grape-fruit, etc. 86,342, re-renewed Apr. 30, 1952. O. G. May 20. Class 46.

Sovereign Importers Ltd., New York, N. Y. Champagne. 559,184, May 20; Serial No. 609,499. Class 47.

Sperti Faraday Inc., Adrian, Mich. Visible and audible electric signals. 559,129, May 20; Serial No. 615,517, published Feb. 19, 1952. Class 21.

Sport Products, Inc.: *See*—
Crawford McGregor and Canby Company.

Springfield Seed Company, Springfield, Mo. Field seeds, grass seed, vegetable seed, etc. 559,189, May 20; Serial No. 617,217. Class 1.

Squirrel Brand Company, The, Cambridge, Mass. Chewing candy. 292,246, renewed Mar. 8, 1952. O. G. May 20. Class 46.

Standard Food Products Corp., Brooklyn, N. Y. Brandy. 559,169, May 20; Serial No. 592,347. Class 49.

Standard Oil Development Company, Linden, N. J. Lubricating oils. 291,286, renewed Feb. 9, 1952. O. G. May 20. Class 15.

Starlight Bros. Inc., New York, N. Y., to Starlight Bros., Inc., Passaic, N. J. Cigars. 293,960, renewed May 10, 1952. O. G. May 20. Class 17.

Stauffer Chemical Company, San Francisco, Calif. Finely ground crude sulfur. 558,958, May 20; Serial No. 582,704, published Mar. 4, 1952. Class 6.

Stein's Stores Inc., New York, N. Y. Men's and boys' suits, trousers, coats, etc. 559,115, May 20; Serial No. 614,469, published Feb. 19, 1952. Class 39.

Stenzel, R., Food Products: *See*—
Stenzel, Rudolph J.

Stenzel, R., Pickle Products: *See*—
Stenzel, Rudolph J.

Stenzel, Rudolph J., doing business as R. Stenzel Food Products and R. Stenzel Pickle Products, San Leandro, Calif. Fresh cucumber chips. 559,146, May 20; Serial No. 618,374, published Feb. 26, 1952. Class 46.

Sterling Drug Inc., New York, N. Y. Stabilized azoic color bases. 559,131, May 20; Serial No. 615,801, published Feb. 26, 1952. Class 6.

Stevenson, James: *See*—
Stevenson, Margery D., Calazel, and Bruce.

Stevenson, Margery D., G. A. Calazel and R. Bruce, trustees of the estate of the late James Stevenson, carrying on the business of the deceased under the name of Rutherford & Company, Edinburgh, Scotland. Scotch whiskey. 559,159, May 20; Serial No. 567,881. Class 49.

Stocker Manufacturing Company, Netcong, N. J. Sealing tapes. 558,940, May 20; 569,904, published July 31, 1951. Class 5.

Stokes, F. J., Machine Company, Philadelphia, Pa. Chemical and pharmaceutical apparatus. 558,926, May 20; Serial No. 548,196, published Jan. 29, 1952. Class 23.

Stone Ordean Wells Company, Duluth, Minn., to Pacific Gamble Robinson Co., Seattle, Wash. Coffee. 86,762, re-renewed May 28, 1952. O. G. May 20. Class 46.

Suburban Gas Service, Inc., Harrisburg, Pa. Liquefied hydrocarbon gas. 559,038, May 20; Serial No. 604,750, published Mar. 4, 1952. Class 6.

Superior Pharmacal Co., The, Dayton, Ohio. Analgesic preparation. 559,091, May 20; Serial No. 612,362, published Jan. 1, 1952. Class 18.

Superior Watch Corporation, New York, N. Y. Watches and parts thereof. 559,096, May 20; Serial No. 612,631, published Jan. 15, 1952. Class 27.

Sutliff & Case Co. Inc., Peoria, Ill. Medicinal tablet. 559,162, May 20; Serial No. 578,729. Class 18.

Sutton Shirt Corp., New York, N. Y. Men's dress and sport shirts. 558,998, May 20; Serial No. 598,224, published Feb. 5, 1952. Class 39.

Sutton Shirt Corp., New York, N. Y. Men's dress and sport shirts. 559,021, May 20; Serial No. 602,865, published Feb. 19, 1952. Class 39.

Swift & Company: *See*—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Glue. 291,156, renewed Feb. 2, 1952. O. G. May 20. Class 5.

Synco Products: *See*—
Synco Products Company, Inc.

Synco Products Company, Inc., doing business under the name and style of Synco Products, Chattanooga, Tenn. Durable plastic starch. 558,953, May 20; Serial No. 580,799, published Mar. 4, 1952. Class 6.

Taylor, Walter P., New York, N. Y. Non-electrical signs and signs made of plastic or other composition. 559,170, May 20; Serial No. 592,850. Class 50.

Tennessee Products & Chemical Corporation: *See*—
Tennessee Products Corporation.

Tennessee Products Corporation, to Tennessee Products & Chemical Corporation, Nashville, Tenn. Chemical preparations. 280,204, renewed Feb. 10, 1951. O. G. May 20. Class 18.

Tennessee Products Corporation, to Tennessee Products & Chemical Corporation, Nashville, Tenn. Insulating material. 281,728, renewed Mar. 24, 1951. O. G. May 20. Class 12.

Tennessee Products Corporation, to Tennessee Products & Chemical Corporation, Nashville, Tenn. Chemical products and technical preparations. 282,437, renewed Apr. 21, 1951. O. G. May 20. Class 18.

Thomas, M & W, Co., New York, N. Y. Neckties and caps. 559,017, May 20; Serial No. 602,173, published Feb. 19, 1952. Class 39.

Thor Corporation, Chicago, Ill. Domestic washing machines. 559,152, May 20; Serial No. 620,476, published Feb. 19, 1952. Class 24.

Time Chemical, Inc., Chicago, Ill. General household cleanser. 559,164, May 20; Serial No. 582,804. Class 52.

Tivoli-Union Company, The, Denver, Colo. Beer. 444,690, May 20; Serial No. 525,711, published Apr. 17, 1951. Class 48.

Tivoli-Union Company, The, Denver, Colo. Beer. 558,924, May 20; Serial No. 547,375, published Apr. 17, 1951. Class 48.

Tobey Fine Papers, Inc., St. Louis, Mo. Safety paper, bond paper, and ledger paper. 559,163, May 20; Serial No. 580,216. Class 37.

Towlsaver, Inc., Los Angeles, Calif. Paper towel dispensing machines. 558,930, May 20; Serial No. 558,972, published Jan. 22, 1952. Class 23.

Trefry, John T., and Company, Boston, Mass. General fire, marine, casualty and life insurance brokerage services. 559,154, May 20; Serial No. 585,198, published Feb. 26, 1952. Class 102.

Truax-Traer Coal Company, Chicago, Ill. Coal. 295,146, renewed June 21, 1952. O. G. May 20. Class 1.

Ty-Craft, Ltd.: *See*—
Karp, Paul.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Ultra-Penn Refining Company, Butler, to Ultra-Penn Refining Company, Bruin, Pa. Lubricating oil, lubricating grease, gasoline, etc. 292,319, renewed Mar 15, 1952. O. G. May 20. Class 15.

Union Carbide and Carbon Corporation: *See*—
Linde Air Products Company, The.
National Carbon Company, Inc.

United States Playing Card Company, The: *See*—
Russell Playing Card Company.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 291,686, renewed Feb. 23, 1952. O. G. May 20. Class 22.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio, to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 295,528, renewed July 5, 1952. O. G. May 20. Class 22.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio, to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 295,969, renewed July 19, 1952. O. G. May 20. Class 22.

Upjohn Company, The, Kalamazoo, Mich. Antibiotic. 559,092, May 20; Serial No. 612,364, published Jan. 1, 1952. Class 18.

V. & E. Manufacturing Co., Pasadena, Calif. Drawing instruments. 559,027–8, May 20; Serial No. 603,706–07, published Mar. 4, 1952. Class 26.

V-M Corporation, Benton Harbor, Mich. Electric phonographs. 559,142, May 20; Serial No. 617,423, published Feb. 5, 1952. Class 21.

Valco Manufacturing Company, Chicago, Ill. String musical instruments. 558,913, May 20; Serial No. 528,591, published Feb. 26, 1952. Class 36.

Velveray Corporation, New York, N. Y. Woven fabrics and plastic film. 559,035, May 20; Serial No. 604,673, published Mar. 4, 1952. Class 42.

Victory Optical Manufacturing Company, Newark, N. J. Spectacle frames. 559,139, May 20; Serial No. 616,929, published Feb. 26, 1952. Class 26.

Walker's Heating Supply Co., Inc., South Meadville and Meadville, Pa. Heating equipment. 559,167, May 20; Serial No. 587,571. Class 34.

Waller & Hartley Limited, Blackpool, England. Candies. 559,013, May 20; Serial No. 601,345, published Mar. 4, 1952. Class 46.

Washington Steel Products, Inc., Tacoma, Wash. Racks. 559,133, May 20; Serial No. 615,960, published Feb. 19, 1952. Class 13.

Wasser, Kay & Phillips, Inc., Pittsburgh, Pa. Exposed motion picture films. 559,071, May 20; Serial No. 609,826, published Jan. 8, 1952. Class 26.

Waters Manufacturing Company, Culver City, Calif. Carbon papers and inked ribbons. 559,116, May 20; Serial No. 614,529, published Feb. 12, 1952. Class 11.

West Point Manufacturing Company, West Point, Ga. Pillow slips, sheets, and bleached and unbleached sheeting. 558,964, May 20; Serial No. 587,773, published Mar. 4, 1952. Class 42.

Western Brick Company, to Western Brick Company, Danville, Ill. Bricks. 86,013, rerenewed Apr. 2, 1952. O. G. May 20. Class 12.

Western Packing Company, Guadalupe, Calif. Fresh vegetables. 559,188, May 20; Serial No. 615,964. Class 46.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Electrical insulation. 559,124, May 20; Serial No. 615,199, published Feb. 5, 1952. Class 21.

White & Bagley Company, The, Worcester, Mass. Motor oils and lubricants. 86,851, rerenewed June 4, 1952. O. G. May 20. Class 15.

Whiting, Frank M., & Company, Meriden, Conn. Sterling and plated silver hollow ware. 559,059, May 20; Serial No. 607,888, published Jan. 15, 1952. Class 28.

Whitmoyer Laboratories, Inc., Myerstown, Pa. Trace mineral mixture. 559,097, May 20; Serial No. 612,671, published Jan. 15, 1952. Class 18.

Wilson, A. L., Chemical Co., Kearny, N. J. Spotting compound. 558,962, May 20; Serial No. 586,028, published Feb. 19, 1952. Class 52.

Wimpfheimer, A., & Bro., Inc.: *See*—
Rossie Velvet Company.

Winett, Ralph, & Co., Inc., Chicago, Ill. Men's clothing. 559,032, May 20; Serial No. 604,114, published Jan. 22, 1952. Class 39.

Winterbottom Book Cloth Company, Limited, The, Manchester, England. Tracing cloth. 559,174, May 20; Serial No. 602,588. Class 37.

Wisconsin Flush Door Manufacturing Company, Detroit, Mich. Doors. 559,165, May 20; Serial No. 583,784. Class 12.

Wix, J. and Sons Limited, London, England. Cigarettes. 559,108, May 20; Serial No. 613,548, published Feb. 26, 1952. Class 17.

Wood, J. R., doing business under the fictitious firm name of Keystone File Sharpening Co., Los Angeles, Calif. New and re-sharpened files. 558,935, May 20; Serial No. 569,547, published Jan. 22, 1952. Class 23.

Wooster Products, Inc., Wooster, Ohio. Floor plates and door thresholds. 291,265, renewed Feb. 2, 1952. O. G. May 20. Class 12.

Worth, Inc., Seattle, Wash. Neck scarf. 558,976, May 20; Serial No. 592,855, published Jan. 22, 1952. Class 39.

Wren, Wm., Limited, Watford, England. Leather and saddle soaps. 559,024, May 20; Serial No. 603,271, published Feb. 19, 1952. Class 52.

Youngs Rubber Corporation: *See*—
Youngs Rubber Corporation, Inc.

Youngs Rubber Corporation, Inc., to Youngs Rubber Corporation, New York, N. Y. Prophylactic rubber articles. 293,738, renewed May 3, 1952. O. G. May 20. Class 44.

Zeiss, Carl, Jena, Germany, vested in the Attorney General of the United States, Washington, D. C. Lenses, prisms, reflectors, etc. 85,539, rerenewed Feb. 20, 1952. O. G. May 20. Class 26.

Zoes, C. A., Manufacturing Co., Inc., Chicago, Ill. Shoe dye and dressing, shoe cleaner, shoe cream, etc. 293,104, renewed Apr. 12, 1952. O. G. May 20. Class 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

PUBLISHED FOR OPPOSITION

CLASS 1

Charcoal. Crossett Chemical Company. 294,978, renewed June 14, 1952. O. G. May 20.

Coal. R. Hartman. 559,018, May 20; Serial No. 602,260, published Jan. 15, 1952.

Coal. Truax-Traer Coal Company. 295,146, renewed June 21, 1952. O. G. May 20.

Diatomaceous silica and asbestos fiber. Johns-Manville Corporation. 558,934, May 20; Serial No. 595,465, published Jan. 15, 1952. (Consolidated certificate, Classes 1, 12, 16, 21, 31, and 35.)

Leather, Washable Arabian mocha suede. Milton Berger Leather Corp. 559,098, May 20; Serial No. 612,676, published Jan. 15, 1952.

Seeds, Field, grass seed, vegetable seed, etc. Springfield Seed Company. 559,189, May 20; Serial No. 617,217.

CLASS 2

Containers, Padded plastic. Nursery Items, Inc. 559,025, May 20; Serial No. 603,275, published Feb. 26, 1952.

Tray, Plastic. A. Hertz. 558,971, May 20; Serial No. 589,900, published Feb. 26, 1952.

CLASS 3

Handbags. Brevitt Shoes Limited. 432,623, Sept. 9, 1947. Republished May 20.

CLASS 4

Polishes, Floor and furniture, and metal polishes. John Sexton & Co. 558,951, May 20; Serial No. 578,710, published Feb. 19, 1952.

Shoe dressing, Plastic self-polishing liquid. McKeown Bros. Co. 559,033, May 20; Serial No. 604,210, published Nov. 13, 1951.

Shoe dye and dressing, shoe cleaner, shoe cream, etc. C. A. Zoes Manufacturing Co., Inc. 293,104, renewed Apr. 12, 1952. O. G. May 20.

CLASS 5

Adhesives. The Arabol Manufacturing Company. 294,342, renewed May 24, 1952. O. G. May 20.

Glue. Swift and Company. 291,156, renewed Feb. 2, 1952. O. G. May 20.

Paste, Dry, dry paste flour, adhesive paste, etc. Patent Cereals Company. 291,753, renewed Feb. 23, 1952. O. G. May 20.

Paste, Dry, dry paste flour, adhesive paste, etc. Patent Cereals Company. 292,674, renewed Mar. 22, 1952. O. G. May 20.

Sealing tapes. Stocker Manufacturing Company. 558,940, May 20; Serial No. 569,904, published July 31, 1951.

CLASS 6

Alkali, Bottler's. Mathieson Chemical Corporation. 559,084, May 20; Serial No. 611,612, published Mar. 4, 1952.

Antioxidant. American Cyanamid Company. 559,127, May 20; Serial No. 615,363, published Mar. 4, 1952.

Carbon black. Godfrey L. Cabot, Inc. 559,109, May 20; Serial No. 613,623, published Feb. 26, 1952.

Chemical addition agent. Hanson-Van Winkle-Munning Company. 559,130, May 20; Serial No. 615,552, published Mar. 4, 1952.

Chemical additives. Smoothex, Inc. 559,082, May 20; Serial No. 611,378, published Feb. 26, 1952.

Chemical compounds, mixtures, or solutions. E. I. du Pont de Nemours and Company. 559,117, May 20; Serial No. 614,544, published Mar. 4, 1952.

Chemical corrosion preventing preparations. National Carbon Company, Inc. 294,295, renewed May 24, 1952. O. G. May 20.

Chemical preparations. General Aniline & Film Corporation. 559,136, May 20; Serial No. 616,287, published Mar. 4, 1952.

Chemical, Weed killing. Chipman Chemical Company, Inc. 558,944, May 20; Serial No. 573,116, published Mar. 27, 1951.

Chemicals. Addressograph-Multigraph Corporation. 559,132, May 20; Serial No. 615,808, published Feb. 26, 1952.

Chemicals and chemical compositions. C. Hach. 559,086–7, May 20; Serial Nos. 612,158–9, published May 4, 1952.

Chemicals and chemical compositions. C. Hach. 559,088–90, May 20; Serial Nos. 612,161–3, published Mar. 4, 1952.

Composition for treating fabric materials. R. A. Hansen. 559,125, May 20; Serial No. 615,222, published Mar. 4, 1952.

Compound used as a solvent for starch, waxes, and cerisin, etc. Arkansas Company Inc. 293,602, renewed May 3, 1952. O. G. May 20.

Crude sulfur. Finely ground. Stauffer Chemical Company. 558,958, May 20; Serial No. 582,704, published Mar. 4, 1952.

Dyestuffs, lakes, and chemical products. Geigy Company, Inc. 290,749, Jan. 12, 1932. Republished May 20.

Gas for heating, welding, cutting, etc. The Linde Air Products Company. 292,798–9, renewed Mar. 29, 1952. O. G. May 20.

Grain fumigant. Diamond Alkali Company. 559,119, May 20; Serial No. 614,759, published Mar. 4, 1952.

Insect killer, moth proofing preparation, air refresher. Bostwick Laboratories, Inc. 559,070, May 20; Serial No. 609,777, published Mar. 4, 1952.

Liquefied hydrocarbon gas. Suburban Gas Service, Inc. 559,038, May 20; Serial No. 604,750, published Mar. 4, 1952.

Liquid preparation for application to artificial and natural fish bait. C. W. Handel. 559,042, May 20; Serial No. 605,281, published Feb. 26, 1952.
Materials used in lithographic printing. A. B. Dick Company. 559,074, May 20; Serial No. 610,421, published Mar. 4, 1952.
Materials used in lithographic printing. A. B. Dick Company. 559,075, May 20; Serial No. 610,426, published Mar. 4, 1952.
Microcrystalline wax. Bareco Oil Company. 559,049–53, May 20; Serial Nos. 607,066–70, published Mar. 4, 1952.
Partially and completely hydrolyzed polyvinyl acetate. Shawinigan Products Corporation. 559,118, May 20; Serial No. 614,581, published Feb. 26, 1952.
Photographic sensitizing materials and solution. American Multigraph Co. 293,894, renewed May 10, 1952. O. G. May 20.
Plastic starch, Durable. Synco Products Company, Inc. 558,953, May 20; Serial No. 580,799, published Mar. 4, 1952.
Radiator stop leak, block sealing compound, chemical compound, etc. Radiator Specialty Company. 559,085, May 20; Serial No. 611,975, published Feb. 26, 1952.
Rodenticides. S. B. Penick & Company. 558,972, May 20; Serial No. 590,518, published Mar. 4, 1952.
Shoe grease and shoe dressing. Bone Dry Shoe Mfg. Co. 559,065, May 20; Serial No. 608,914, published Mar. 4, 1952.
Stabilized azoic color bases. Sterling Drug Inc. 559,131, May 20; Serial No. 615,801, published Feb. 26, 1952.
Substance having the chemical formula, 2,2'-dihydroxy-3,5,6-3',5',6'-hexachloro diphenyl methane. Sindar Corporation. 559,016, May 20; Serial No. 602,070, published June 5, 1951.
Synthetic organic coloring material. Allied Chemical & Dye Corporation. 558,966, May 20; Serial No. 587,924, published Mar. 6, 1951.
Vegetable oil used for textile dyeing and finishing. Arkansas Company, Inc. 559,043, May 20; Serial No. 605,458, published Mar. 4, 1952.
Weed killer, Liquid. The C. B. Dolge Company. 559,009, May 20; Serial No. 600,949, published May 8, 1951.

CLASS 8

Humidors, Tobacco. Columbus Plastic Products, Inc. 559,019, May 20; Serial No. 602,601, published Mar. 4, 1952.
Lighters, Cigarette. Astra Trading Corporation. 559,095, May 20; Serial No. 612,579, published Mar. 4, 1952.
Lighters, Cigarette and cigar. M. Quercia. 559,168, May 20; Serial No. 587,602.
Lighters, Pyrophoric. The Imco Manufacturing Corporation. 559,040, May 20; Serial No. 604,970, published Mar. 4, 1952.

CLASS 9

Military smokeless powder. E. I. du Pont de Nemours and Company. 295,518, renewed July 5, 1952. O. G. May 20.

CLASS 10

Tankage and fertilizer. E. Rauh & Sons Fertilizer Co. 558,128, May 20; Serial No. 615,411, published Feb. 12, 1952.

CLASS 11

Carbon papers and inked ribbons. Waters Manufacturing Company. 559,116, May 20; Serial No. 614,529, published Feb. 12, 1952.
Inking ribbons. Addressograph-Multigraph Corporation. 294,526, renewed May 31, 1952. O. G. May 20.
Inks, Drawing, Chinese inks, writing inks, etc. Gunther Wagner, S. R. L. 558,939, May 20; Serial No. 569,843, published Feb. 26, 1952.
Inks, Printing. Interchemical Corporation. 559,120, May 20; Serial No. 614,778, published Feb. 12, 1952.
Inks, Printing. Fred'k H. Levey Company, Inc. 559,121, May 20; Serial No. 614,881, published Feb. 12, 1952.
Liquid preparation for use in duplicating processes. Ditto, Incorporated. 558,987, May 20; Serial No. 595,251, published Feb. 19, 1952.

CLASS 12

Asphalt, asphaltic emulsions and compounds, pavement materials, etc. American Bitumuls Company. 291,259, renewed Feb. 2, 1952. O. G. May 20.
Bricks. Western Brick Company. 86,013, re-renewed Apr. 2, 1952. O. G. May 20.
Concrete and masonry iron waterproofing compound, plastic lead sealing compound, etc. H. J. Reich. 559,041, May 20; Serial No. 605,055, published Feb. 12, 1952.
Doors. Wisconsin Flush Door Manufacturing Company. 559,165, May 20; Serial No. 583,784.
Floor plates and door thresholds. Wooster Products, Inc. 291,265, renewed Feb. 2, 1952. O. G. May 20.
Insulating material. Tennessee Products Corporation. 281,728, renewed Mar. 24, 1951. O. G. May 20.
Masonry material, mortar imbedding mix, shingles, etc. Burney & Felder. 559,067–8, May 20; Serial Nos. 609,070–1, published Feb. 5, 1952.
Metallic structural elements. American Art Metals Company. 558,929, May 20; Serial No. 556,861, published Feb. 12, 1952.
Planks, Composition; flexible composition flooring tiles, cove base strips, etc. Johns-Manville Corporation. 558,934, May 20; Serial No. 564,950, published June 26, 1951. (Consolidated certificate, Classes 1, 12, 16, 21, 31, and 35.)
Screens, Window. Rolscreen Company. 558,955, May 20; Serial No. 581,735, published Feb. 12, 1952.
Wall board having a decorated surface. The Di-Noc Company. 559,023, May 20; Serial No. 603,224, published Feb. 12, 1952.

CLASS 13

Clips for wire rope and cables. The Thomas Laughlin Company. 559,141, May 20; Serial No. 617,406, published Feb. 26, 1952.
Fittings and bends. The Josam Manufacturing Company. 292,859, renewed Mar. 29, 1952. O. G. May 20.
Metallic bird and rodent barrier material. Nixalite Company of America. 559,138, May 20; Serial No. 616,442, published Feb. 19, 1952.
Racks. Washington Steel Products, Inc. 559,133, May 20; Serial No. 615,960, published Feb. 19, 1952.
Sewage disposal systems and parts thereof. Gordon Sanitary Systems Corporation. 558,948, May 20; Serial No. 575,210, published Feb. 5, 1952.
Stoppers, Sink, bath, and basin; sink, bath, and basin plugs; bumpers, force-cups, etc. Schacht & Co. 87,260, re-renewed July 2, 1952. O. G. May 20.
Valves and traps, Plumbing and steam fitting. Barnes & Jones. 295,523, renewed July 5, 1952. O. G. May 20.

CLASS 14

Castings of ferrous alloys and wrought sheets and bars. The Duriron Company, Inc. 295,561, renewed July 5, 1952. O. G. May 20.
Metallic welding electrodes. The Lincoln Electric Company. 291,082, renewed Jan. 26, 1952. O. G. May 20.

CLASS 15

Cylinder-oil. Wm. C. Robinson & Son, Co. 86,618, re-renewed May 21, 1952. O. G. May 20.
Gasolene. Magnolia Petroleum Company. 85,912, re-renewed Mar. 26, 1952. O. G. May 20.
Lubricating-oils. Galena-Signal Oil Company. 38,631, re-renewed July 15, 1952. O. G. May 20.
Lubricating-oils. The Holt Manufacturing Company. 85,748, re-renewed Mar. 12, 1952. O. G. May 20.
Oil, Lubricating, lubricating grease, gasoline, etc. Ultra-Penn Refining Company. 292,319, renewed Mar. 15, 1952. O. G. May 20.
Oils and lubricants, Motor. The White & Bagley Company. 86,851, re-renewed June 4, 1952. O. G. May 20.
Oils, Lubricating. Standard Oil Development Company. 291,286, renewed Feb. 9, 1952. O. G. May 20.

CLASS 16

Enamels and paints, etc., Bituminous. Johns-Manville Corporation. 558,934, May 20; Serial No. 590,442, published Sept. 25, 1951. (Consolidated certificate, Classes 1, 12, 16, 21, 31, and 35.)
Lacquers, air drying and baking enamels and varnishes. Maas & Waldstein Company. 558,916, May 20; Serial No. 537,921, published Oct. 31, 1950.
Paint coatings, Bituminous compound. J. D. Farber. 559,001, May 20; Serial No. 599,506, published Feb. 12, 1952.
Paint enamel, Ready mixed. Republic Paint & Varnish Co. 558,920, May 20; Serial No. 540,883, published Jan. 1, 1952.
Paint enamels. Chicago Paints, Inc. 558,917, May 20; Serial No. 538,364, published Jan. 8, 1952.
Paint enamels, quick drying varnish stains and varnish. Republic Paint & Varnish Co. 558,922, May 20; Serial No. 541,454, published June 19, 1951.
Paint pigments. Edgar Brothers Company. 558,942, May 20; Serial No. 572,090, published Feb. 19, 1952.
Paint, Red barn. Republic Paint & Varnish Co. 558,921, May 20; Serial No. 540,892, published Jan. 1, 1952.
Paint, Roof. C. R. Grems. 559,020, May 20; Serial No. 602,760, published Oct. 9, 1951.
Paints, Ready mixed industrial. E. F. Houghton & Co. 295,227, renewed June 21, 1952. O. G. May 20.
Paints, Ready mixed inside and outside house, and paint undercoaters and sealers. Kreuter Paint Co. 559,180, May 20; Serial No. 605,428.
Paints, Ready-mixed, paint enamels, undercoaters and primers. The Sherwin-Williams Company. 559,004, May 20; Serial No. 599,596, published Dec. 25, 1951.
Varnishes. Acritex, Inc. 559,002, May 20; Serial No. 599,545, published Jan. 1, 1952.
Varnishes, lacquers, wood primers, etc. Breinig Brothers, Inc. 558,914, May 20; Serial No. 530,803, published Feb. 19, 1952.

CLASS 17

Cigarettes. J. Wix and Sons Limited. 559,108, May 20; Serial No. 613,548, published Feb. 26, 1952.

Cigars. The George Schafer-H. C. Pfaff Cigar Company. 294,541, renewed May 31, 1952. O. G. May 20.
Cigars. Starlight Bros. Inc. 293,960, renewed May 10, 1952. O. G. May 20.
Tobacco, Smoking and chewing, cigarettes, and cigars. William Demuth & Company. 292,831, renewed Mar. 29, 1952. O. G. May 20.

CLASS 18

Analgesic. Schering Corporation. 559,114, May 20; Serial No. 614,166, published Jan. 15, 1952.
Analgesic preparation. The Superior Pharmacal Co. 559,091, May 20; Serial No. 612,362, published Jan. 1, 1952.
Antibiotic. The Upjohn Company. 559,092, May 20; Serial No. 612,364, published Jan. 1, 1952.
Chemical preparations. Tennessee Products Corporation. 280,204, renewed Feb. 10, 1951. O. G. May 20.
Chemical products and technical preparations. Tennessee Products Corporation. 282,437, renewed Apr. 21, 1951. O. G. May 20.
Fluids for parenteral use. Baxter Laboratories, Inc. 559,151, May 20; Serial No. 620,382, published Feb. 26, 1952.
Foot powder. W. J. Saari. 559,099, May 20; Serial No. 612,705, published Jan. 8, 1952.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 558,991, May 20; Serial No. 596,685, published Mar. 20, 1951.
Medical preparation. Phiysicians and Hospitals Supply Company, Inc. 559,015, May 20; Serial No. 602,053, published Jan. 1, 1952.
Medicinal preparation. Les Laboratoires Gobey. 559,048, May 20; Serial No. 606,784, published Jan. 15, 1952.
Medicinal salves, ointments, rectal suppositories, etc. S. M. Sargeant. 558,996, May 20; Serial No. 597,786, published Jan. 15, 1952.
Medicinal tablet. Sutliff & Case Co., Inc. 559,162, May 20; Serial No. 578,729.
Ointment. The S. E. Massengill Company. 558,965, May 20; Serial No. 587,887, published Feb. 5, 1952.
Penicillin salt preparations. Heyden Chemical Corporation. 559,100, May 20; Serial No. 612,742, published Jan. 8, 1952.
Pharmaceutical preparations. Astra Pharmaceutical Products, Inc. 559,094, May 20; Serial No. 612,481, published Jan. 1, 1952.
Pharmaceutical product. Rougier Freres, Compagnie Incorporee. 559,037, May 20; Serial No. 604,746, published Jan. 8, 1952.
Pharmaceutical product. Society of Chemical Industry in Basle. 87,015, re-renewed June 18, 1952. O. G. May 20.
Rheumatic balm. Mack & Willies Co. 558,963, May 20; Serial No. 586,538, published Jan. 15, 1952.
Sulfathiazole, Chocolated. Aims Chocolated Pharmaceuticals, Inc. 559,005, May 20; Serial No. 599,684, published Jan. 1, 1952.
Tablets used for sore throats and post-tonsillectomies. Nyrope, Inc. 559,022, May 20; Serial No. 603,124, published Jan. 8, 1952.
Trace mineral mixture. Whitmoyer Laboratories, Inc. 559,097, May 20; Serial No. 612,671, published Jan. 15, 1952.
Vitamin compositions. Armour and Company. 559,113, May 20; Serial No. 614,125, published Jan. 15, 1952.

CLASS 21

Antennas, and parts therefor, Television, broadcasting and receiving. Finney Corporation. 559,104, May 20; Serial No. 613,125, published Feb. 5, 1952.
Dielectric panels for switch boards, electric controller face plates, etc. Johns-Manville Corporation. 558,934, May 20; Serial No. 590,087, published June 5, 1951. (Consolidated certificate, Classes 1, 12, 16, 21, 31, and 35.)
Electric phonographs. V-M Corporation. 559,142, May 20; Serial No. 617,423, published Feb. 5, 1952.
Electrical apparatus. Century Electric Company. 294,940, renewed June 14, 1952. O. G. May 20.
Electrical insulation. Westinghouse Electric Corporation. 559,124, May 20; Serial No. 615,199, published Feb. 5, 1952.
Heaters, Electric windshield, electric fans, and rheostats. Casco Products Corporation. 559,101, May 20; Serial No. 612,848, published Feb. 19, 1952.
Radio receivers. Avco Manufacturing Corporation. 559,012, May 20; Serial No. 601,187, published Apr. 17, 1951.
Signals, Visible and audible electric. Sperti Faraday Inc. 559,129, May 20; Serial No. 615,517, published Feb. 19, 1952.
Solenoids (both A. C. and D. C.), electric switches (both A. C. and D. C.), etc. Soreng Manufacturing Corporation. 427,389, Feb. 11, 1947. Republished May 20.
Switches, Electric time. M. H. Rhodes, Incorporated. 292,617, renewed Mar. 22, 1952. O. G. May 20.
Television picture tubes. Hytron Radio & Electronics Corp. 559,093, May 20; Serial No. 612,454, published Feb. 19, 1952.
Ultra-violet ray germicidal lamp. The Brunswick-Balke-Collender Company. 559,103, May 20; Serial No. 613,114, published Feb. 5, 1952.

CLASS 22

Game of cards. Predicto, Inc. 559,058, May 20; Serial No. 607,886, published Feb. 26, 1952.
Golf balls. The General Tire & Rubber Company. 293,731, renewed May 3, 1952. O. G. May 20.
Golf clubs. The Crawford McGregor and Canby Company. 293,641, renewed May 3, 1952. O. G. May 20.
Playing cards. S. T. Narro. 559,078, May 20; Serial No. 610,919, published Feb. 26, 1952.
Playing cards. Russell Playing Card Company. 294,765, renewed June 7, 1952. O. G. May 20.
Playing cards. The United States Playing Card Company. 291,686, renewed Feb. 23, 1952. O. G. May 20.
Playing cards. The United States Playing Card Company. 295,528, renewed July 5, 1952. O. G. May 20.
Playing cards. The United States Playing Card Company. 295,969, renewed July 19, 1952. O. G. May 20.
Toy. Skycraft Manufacturing Corporation. 559,153, May 20; Serial No. 620,901, published Feb. 19, 1952.
Toys, Construction. Pilot Plastics, Inc. 559,143, May 20; Serial No. 617,458, published Feb. 26, 1952.

CLASS 23

Automotive engine parts. Markt & Hammacher Company. 559,073, May 20; Serial No. 610,084, published Jan. 22, 1952.
Belt and chain take-ups and tighteners, apron and pan conveyers and parts thereof, etc. Chain Belt Company. 292,083, renewed Mar. 1, 1952. O. G. May 20.
Carpenters' planes. Sargent & Company. 559,063, May 20; Serial No. 608,569, published Jan. 22, 1952.
Chemical and pharmaceutical apparatus. F. J. Stokes Machine Company. 558,926, May 20; Serial No. 548,196, published Jan. 29, 1952.
Dispensing machines, Paper towel. Towlsaver, Inc. 558,930, May 20; Serial No. 558,972, published Jan. 22, 1952.
Donkey-engines. F. Rowe. 558,946, May 20; Serial No. 573,797, published Jan. 22, 1952.
Duplicating machines, Tracer controlled. Niles-Bement-Pond Company. 559,034, May 20; Serial No. 604,591, published Jan. 22, 1952.
Grass hooks, pocket knives, nail hammers, etc. C. M. McClung & Co., Inc. 558,992, May 20; Serial No. 596,742, published Jan. 22, 1952.
Hydraulic presses and parts therefor. The Denison Engineering Company. 559,156, May 20; Serial No. 533,667.
Knives and cutters. California Saw Works. 558,928, May 20; Serial No. 553,813, published Jan. 22, 1952.
Lime slaker. Omega Machine Company. 558,954, May 20; Serial No. 581,202, published Jan. 22, 1952.
Machines for writing a plurality of signatures or inscriptions. The Signature Company. 87,110, rerenewed June 25, 1952. O. G. May 20.
Machines used for applying metal flat band strapping to boxes, bales, packages, and the like. General Strapping Corporation. 559,171, May 20; Serial No. 594,318.
Mechanical agitators. Allis-Chalmers Manufacturing Company. 559,083, May 20; Serial No. 611,392, published Jan. 22, 1952.
New and re-sharpened files. J. R. Wood. 558,938, May 20; Serial No. 569,547, published Jan. 22, 1952.
Packaging machines. The Pad-Y-Wax Company, Inc. 559,057, May 20; Serial No. 607,637, published Jan. 22, 1952.
Rabor blades, Safety. Gillette Safety Razor Company. 291,052, renewed Jan. 26, 1952. O. G. May 20.
Razor blades, Safety. McCrory Stores Corporation. 293,667-8, renewed May 3, 1952. O. G. May 20.
Shaft seals. Rotary Seal Company. 558,911, May 20; Serial No. 527,542, published Jan. 22, 1952.
Shaft seals. Rotary Seal Company. 558,912, May 20; Serial No. 527,577, published Jan. 22, 1952.

CLASS 24

Clothes dryers, Cabinet automatic. Hamilton Manufacturing Company. 559,006, May 20; Serial No. 599,706, published Mar. 4, 1952.
Conditioning tumbler for laundry work. The American Laundry Machinery Company. 559,148, May 20; Serial No. 618,613, published Feb. 19, 1952.
Laundry and dry-cleaning press covers, laundry and dry-cleaning press pads. R. Lally Co. 559,008, May 20; Serial No. 600,541, published Feb. 19, 1952.
Washing machines, Domestic. Thor Corporation. 559,152, May 20; Serial No. 620,476, published Feb. 19, 1952.

CLASS 26

Cameras. Encore Inc. 559,135, May 20; Serial No. 615,976, published Feb. 5, 1952.
Cameras. Ercona Camera Corporation. 559,111, May 20; Serial No. 613,978, published Feb. 12, 1952.
Drawing instruments. V. & E. Manufacturing Co. 559,027-8, May 20; Serial No. 603,706-07, published Mar. 4, 1952.
Eyeglasses. Colorversion Co. 559,134, May 20; Serial No. 615,971, published Feb. 5, 1952.
Fluid-dispensing pumps. Gilbert & Barker Manufacturing Company. 559,047, May 20; Serial No. 606,770, published Feb. 26, 1952.

Lenses, prisms, reflectors, etc. Carl Zeiss. 85,539, re-renewed Feb. 20, 1952. O. G. May 20.
Meters. Neptune Meter Company. 281,675, Mar. 24, 1931. Republished May 20.
Motion picture films, Exposed. Wasser, Kay & Phillips, Inc. 559,071, May 20; Serial No. 609,826, published Jan. 8, 1952.
Motor analyzing apparatus and parts thereof. Allen Electric and Equipment Company. 558,995, May 20; Serial No. 597,569, published Feb. 19, 1952.
Photographic paper, Sensitized. The Haloid Company. 295,548-9, renewed July 5, 1952. O. G. May 20.
Spectacle frames. Victory Optical Manufacturing Company. 559,139, May 20; Serial No. 616,929, published Feb. 26, 1952.
Transparencies for use in single or three dimension projectors or viewers. G. J. Farnham. 559,056, May 20; Serial No. 607,542, published Feb. 12, 1952.

CLASS 27

Clocks. E. J. Etablissements. 559,010, May 20; Serial No. 601,032, published Jan. 15, 1952.
Clocks, Watchmen's. Hardinge Brothers. 86,587, renewed May 21, 1952. O. G. May 20.
Watches. Bulova Watch Company, Inc.. 559,054, May 20; Serial No. 607,483, published Jan. 15, 1952.
Watches. Movado Watch Agency, Inc. 559,079, May 20; Serial No. 611,039, published Jan. 15, 1952.
Watches and parts thereof. Superior Watch Corporation. 559,096, May 20; Serial No. 612,631, published Jan. 15, 1952.
Watches and parts thereof. Z. Moradpour. 559,081, May 20; Serial No. 611, 236, published Jan. 15, 1952.
Watches, clocks and parts thereof. O. Bettschen. 559,066, May 20; Serial No. 608,980, published Jan. 15, 1952.

CLASS 28

Bracelets, clasps and buckles. Kestenman Bros. Mfg. Co. 559,077, May 20; Serial No. 610,692, published Jan. 15, 1952.
Necklaces embodying artificial pearls. Fanmour Corporation. 558,981, May 20; Serial No. 593,792, published Jan. 15, 1952.
Silverplated flatware. National Silver Company. 559,105-06, May 20; Serial Nos. 613,140-1, published Jan. 15, 1952.
Sterling and plated silver hollowware. F. M. Whiting & Company. 559,059, May 20; Serial No. 607,888, published Jan. 15, 1952.

CLASS 29

Brooms, Household. National Broom Mfg. Co. 558,943, May 20; Serial No. 572,756, published Nov. 29, 1949.
Mops. Channell Chemical Company. 87,163, rerenewed July 2, 1952. O. G. May 20.

CLASS 31

Containers filled with a chemical fluid, which when refrigerated retain the cold for packing purposes, Small. Cold Cartridge Corp. 559,172, May 20; Serial No. 595,061.
Finely divided chemically inert, siliceous materials to be used in aiding filtration, etc. Johns-Manville Corporation. 558,934, May 20; Serial No. 595,808, published Feb. 6, 1951. (Consolidated certificate, Classes 1, 12, 16, 21, 31, and 35.)
Liquid cooling towers and parts thereof. The Marley Company, Inc. 559,178, May 20; Serial No. 604,646.

CLASS 33

Glass jars. The Silex Company. 559,046, May 20; Serial No. 606,241, published Jan. 15, 1952.
Glass, Sheet. Pittsburgh Plate Glass Company. 559,029, May 20; Serial No. 603,856, published Jan. 15, 1952.

CLASS 34

Heating equipment. Walker's Heating Supply Co., Inc. 559,167, May 20; Serial No. 587,571.
Stoves, Petroleum cooking, soldering lamps and parts thereof and accessories. Aktiebolaget B. A. Hjorth & Co. 85,541, re-renewed Feb. 27, 1952. O. G. May 20.

CLASS 35

Belting, Leather. Chicago Belting Company. 558,959, May 20; Serial No. 583,588, published Aug. 21, 1951.
Brake linings and clutch facings, Woven, molded brake linings and clutch facings, etc. Johns-Manville Corporation. 558,934, May 20; Serial No. 564,951, published Jan. 3, 1952. (Consolidated certificate, classes 1, 12, 16, 21, 31, and 35.)
Brazing shims. Eutectic Welding Alloys Corporation. 559,107, May 20; Serial No. 613,505, published Feb. 26, 1952.
Hose, belting and packing. Hewitt-Gutta Percha Rubber Corporation. 295,611, renewed July 5, 1952. O. G. May 20.
Piston rings. Hastings Manufacturing Company. 559,144, May 20; Serial No. 617,496, published Feb. 26, 1952.
Rubber fabric or metal reinforced or jacketed hose. Continental Rubber Works. 558,925, May 20; Serial No. 548,146, published Nov. 29, 1949.

CLASS 36

Musical instruments, String. Valco Manufacturing Company. 558,913, May 20; Serial No. 528,591, published Feb. 26, 1952.
Musical, various sound-emitting, and percussion instruments. C. G. Conn, Ltd. 558,979, May 20; Serial No. 593,531, published Feb. 26, 1952.
Phonograph records, Grooved. The Parlophone Company Limited. 558,999, May 20; Serial No. 598,675, published Feb. 26, 1952.

CLASS 37

Blank checks. Corn Exchange National Bank and Trust Company. 289,749, renewed Dec. 1, 1951. O. G. May 20.
Paper-fasteners, rubber ink and pencil erasers, ink-wells, etc. The O. K. Manufacturing Company. 86,323, renewed Apr. 30, 1952. O. G. May 20.
Paper, Safety, bond paper, and ledger paper. Tober Fine Papers, Inc. 559,163, May 20; Serial No. 580,216.
Paper, Toilet, and paper facial tissues. Gotham Tissue Corporation. 295,970, renewed July 19, 1952. O. G. May 20.
Paper, Tympan. Riegel Paper Corporation. 290,444, Jan. 5, 1932, republished May 20.
Paper, Writing. Empire Paper Company. 559,157, May 20; Serial No. 564,848.
Paper, Writing. Fox River Paper Corporation. 559,158, May 20; Serial No. 566,333.
Papers, Unbleached and bleached kraft, and paperboards. International Paper Company. 558,947, May 20; Serial No. 574,836, published Feb. 5, 1952.
Pen points. David Kahn, Inc. 559,173, May 20; Serial No. 601,628.
Pencils. American Lead Pencil Company. 87,308, re-renewed July 9, 1952. O. G. May 20.
Photographic albums. General Aniline & Film Corporation. 559,177, May 20; Serial No. 604,093.
Tracing cloth. The Winterbottom Book Cloth Company, Ltd. 559,174, May 20; Serial No. 602,588.

CLASS 38

Directories to sales services and entertainment. F. O. W. McPherson. 559,190, May 20; Serial No. 626,842.
Periodical. Fishing Gazette Publishing Corp. 558,935, May 20; Serial No. 568,103, published Feb. 12, 1952.

CLASS 39

Brassières and girdles. Melody Bra & Girdle Co. Inc. 559,187, May 20; Serial No. 613,229.
Clothing, Articles of. Bourne & Hollingsworth Limited. 558,988, May 20; Serial No. 595,652, published Nov. 20, 1951.
Clothing, Men's. Sewell Manufacturing Company. 559,126, May 20; Serial No. 615,249, published Feb. 19, 1952.
Clothing, Men's. Ralph Winett & Co., Inc. 559,032, May 20; Serial No. 604,114, published Jan. 22, 1952.
Coats, jackets, capes, stoles, etc., Fur. J. F. V. Hermet. 558,932, May 20; Serial No. 560,020, published Feb. 19, 1952.
Corsets, brassières and girdles, etc. Kops Bros., Inc. 292,669, renewed Mar. 22, 1952. O. G. May 20.
Diapers, Infants'. Courl-Aimoury Inc. 558,993, May 20; Serial No. 597,129, published Feb. 26, 1952.
Dresses, evening gowns and wraps, etc., Ladies'. Kaufmann Department Stores, Inc. 412,765, Mar. 27, 1945; republished May 20.
Dresses, Ladies'. E-Z-On Dresses Inc. 344,241, Mar. 16, 1937. Amended. O. G. May 20.
Dresses, Ladies' house. Calef Bros. Co. 559,181, May 20; Serial No. 607,415.
Hats and caps, dress shirts, outer and under shirts, etc., Men's and boys'. Adam Hat Stores, Inc. 558,985, May 20; Serial No. 594,940, published Jan. 22, 1952.
Hosiery. Gotham Silk Hosiery Company, Inc. 295,547, renewed July 5, 1952. O. G. May 20.
Hosiery, Knit Products Corporation. 291,067, renewed Jan. 26, 1952. O. G. May 20.
Hosiery, Ladies'. Laros Textiles Company. 558,950, May 20; Serial No. 578,031, published Feb. 26, 1952.
Hosiery, stockings, socks, etc. Francis Giblan, Inc. 559,072, May 20; Serial No. 610,015, published Feb. 26, 1952.
Necktles. J. S. Blank & Co. Inc. 559,007, May 20; Serial No. 600,253, published Jan. 22, 1952.
Necktles. E. J. Carston. 558,945, May 20; Serial No. 573,304, published Jan. 22, 1952.
Necktles. His Majesty, Incorporated. 558,941, May 20; Serial No. 570,254, published Apr. 11, 1950.
Necktles and caps. M & W Thomas Co. 559,017, May 20; Serial No. 602,173, published Feb. 19, 1952.
Necktles, Men's. Sears, Roebuck and Co. 291,888, renewed Feb. 23, 1952. O. G. May 20.
Necktles, Men's and boys', women's and girls' scarves, men's and boys' belts, etc. Murray Hill Restaurant, Inc. 559,080, May 20; Serial No. 611,188, published Feb. 5, 1952.
Outer dress, sport, and work shirts, collars, etc., Men's and boys'. Phillips-Jones Corporation. 558,980, May 20; Serial No. 593,552, published Feb. 19, 1952.

Scarf, Neck. Worth, Inc. 558,976, May 20; Serial No. 592,855, published Jan. 22, 1952.
Shirts, Children's cowboy. R. E. Smith. 558,986, May 20; Serial No. 595,004, published Feb. 26, 1952.
Shirts, Men's and boys' negligee, dress, and sport. The Shirtcraft Company, Inc. 558,974, May 20; Serial No. 591,962, published Feb. 19, 1952.
Shirts, Men's dress and sport. Sutton Shirt Corp. 558,998, May 20; Serial No. 598,224, published Feb. 5, 1952.
Shirts, Men's dress and sport. Sutton Shirt Corp. 559,021, May 20; Serial No. 602,865, published Feb. 19, 1952.
Shoes. Brevitt Shoes Limited. 442,997, June 28, 1949. Republished May 20.
Shoes, Men's, women's, and children's. Brevitt Shoes Limited. 444,533, July 24, 1951. Republished May 20.
Skirts and slacks, Women's and girls'. Millicent Sportwear Corp. 558,949, May 20; Serial No. 575,478, published Feb. 19, 1952.
Suits, Men's. Charles Baker & Company, Inc. 291,844, renewed Feb. 23, 1952. O. G. May 20.
Suits, overcoats and topcoats, Men's and women's. Kansas City Custom Garment Company. 558,919, May 20; Serial No. 540,542, published May 22, 1951.
Suits, topcoats and overcoats, Men's and women's. Robert Hall Clothes, Inc. 558,937, May 20; Serial No. 569,271, published Feb. 19, 1952.
Suits, top coats, leather and cotton jackets, etc., Men's. The Belk Brothers Company. 559,110, May 20; Serial No. 613,952, published Feb. 5, 1952.
Suits, trousers, coats, etc., Men's and boys'. Stein's Stores, Inc. 559,115, May 20; Serial No. 614,469, published Feb. 19, 1952.
Sun suits, Infants' and children's. The William Carter Company. 559,137, May 20; Serial No. 616,411, published Feb. 26, 1952.
Ties. P. Karp. 559,030, May 20; Serial No. 603,885, published Jan. 22, 1952.
Ties, Men's and boys' bow. Cluett, Peabody & Co., Inc. 559,122, May 20; Serial No. 615,050, published Feb. 19, 1952.
Topcoats and overcoats, Men's. Barron, Anderson Compan. 559,076, May 20; Serial No. 610,667, published Feb. 5, 1952.
Trousers, Men's. Hoosier Factories, Inc. 558,997, May 20; Serial No. 597,956, published Jan. 22, 1952.
Turbans. J. C. Cross. 559,123, May 20; Serial No. 615,053, published Feb. 19, 1952.

CLASS 40

Combs. Holta Rubber Comb Sales Corporation. 291,744, renewed Feb. 23, 1952. O. G. May 20.

CLASS 42

Certain textile fabric—viz, starched tobacco cloth. Griswoldville Manufacturing Company. 291,664, renewed Feb. 23, 1952. O. G. May 20.
Curtains and draperies, Window. Cloverly Plastics, Inc. 558,973, May 20; Serial No. 591,356, published Mar. 4, 1952.
Fabrics. William Skinner & Sons. 559,140, May 20; Serial No. 617,319, published Mar. 4, 1952.
Fabrics, Knitted and woven woolen. N. V. Nederlandsche Wolspinnerij. 559,031, May 20; Serial No. 603,976, published Mar. 4, 1952.
Fabrics, Pile. Rossle Velvet Company. 291,782, renewed Feb. 23, 1952. O. G. May 20.
Fabrics, Velvet and pile. Martin Fabrics Corporation. 559,062, May 20; Serial No. 608,365, published Feb. 26, 1952.
Fabrics, Woven, and plastic film. Velveray Corporation. 559,035, May 20; Serial No. 604,673, published Mar. 4, 1952.
Piece goods, Textile, tablecloths, doilies, etc. D. Jordaan & Zonen's Textielfabrieken N. V. 558,970, May 20; Serial No. 588,959, published Feb. 26, 1952.
Piece goods, Woolen. Forstmann Woolen Co. 559,150, May 20; Serial No. 619,615, published Mar. 4, 1952.
Piece goods, Woolen. William Hollins & Company Limited. 559,102, May 20; Serial No. 612,912, published Feb. 26, 1952.
Pillow slips, sheets, and bleached and unbleached sheeting. West Point Manufacturing Company. 558,964, May 20; Serial No. 587,773, published Mar. 4, 1952.
Rugs and carpets, Textile. Empire Carpet Corporation. 558,960, May 20; Serial No. 584,980, published Feb. 26, 1952.
Scarves, Dresser and bureau, printed, embroidered and flocked scarfing, etc. Crescent Art Linen Co. 559,061, May 20; Serial No. 608,302, published Mar. 4, 1952.
Sheets and pillow-cases. W. A. Ballinger & Co. 559,149, May 20; Serial No. 618,876, published Feb. 26, 1952.
Sheets and pillow-cases. Naumkeag Steam Cotton Company. 87,554, re-renewed July 23, 1952. O. G. May 20.
Valances, drapes, lambrequins, bed spreads, and curtains, Decorators Work Shop, Incorporated. 558,982, May 20; Serial No. 593,910, published Mar. 4, 1952.

CLASS 43

Thread. J. & P. Coats (R. I.) Inc. 559,060, May 20; Serial No. 607,956, published Feb. 26, 1952.
Yarns, Worsted knitting. Botany Worsted Mills. 331,521, Jan. 14, 1936. Republished May 20.

CLASS 44

Electric hair-driers and electric vibrators. The Royal Specialty Company. 85,770, re-renewed Mar. 12, 1952. O. G. May 20.
Electrical permanent waving heaters, electrical hair waving apparatus. The Realistic Permanent Wave Machine Company. 294,060, May 17, 1932. Amended. O. G. May 20.
Prophylactic rubber articles. Youngs Rubber Corporation, Inc. 293,738, renewed May 3, 1952. O. G. May 20.
Rubber drug sundries. Seiberling Latex Products Company. 292,093, renewed Mar. 1, 1952. O. G. May 20.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. Citrus Juice & Flavor Company. 277,801, renewed Nov. 25, 1950. O. G. May 20.
Soft drink, Carbonated, non-alcoholic, maltless. J. V. Dodenhoff. 559,183, May 20; Serial No. 608,860.
Soft drinks, Maltless, and carbonated waters. The Cloverdale Spring Company. 559,176, May 20; Serial No. 603,574.
Soft drinks, Pasteurized, non-carbonated, maltless. E. Lowell. 559,175, May 20; Serial No. 602,848.

CLASS 46

Apples, Fresh. Gilbert Orchards, Inc. 559,145, May 20; Serial No. 617,792, published Feb. 12, 1952.
Artichoke bottoms, bar le duc capers, creme de marrons, etc. Cresca Company, Inc. 559,003, May 20; Serial No. 599,552, published Feb. 26, 1952.
Bakery products. Dortch Baking Company. 559,179, May 20; Serial No. 605,411.
Bakery products. McLaren-Consolidated Cone Corporation. 289,927, renewed Dec. 15, 1951. O. G. May 20.
Bread. Gordon Baking Co. 558,910, May 20; Serial No. 521,878, published Mar. 4, 1952.
Candies. Waller & Hartley Limited. 559,013, May 20; Serial No. 601,345, published Mar. 4, 1952.
Candy. E. J. Brach & Sons. 558,957, May 20; Serial No. 582,595, published Mar. 4, 1952.
Candy. Glade Candy Co. 559,161, May 20; Serial No. 571,801.
Candy. C. N. Miller. 95,225, Feb. 3, 1914. New certificate. O. G. May 20.
Candy, chewing. The Squirrel Brand Company. 292,246, renewed Mar. 8, 1952. O. G. May 20.
Canned, bottled, and packaged food products. The Quaker Maid Company, Inc. 559,036, May 20; Serial No. 604,744, published Mar. 4, 1952.
Canned citrus fruit juices. Safeway Stores, Incorporated. 559,000, May 20; Serial No. 599,023, published Mar. 4, 1952.
Canned corn. Minnesota Valley Canning Company. 292,700–1, renewed Mar. 22, 1952. O. G. May 20.
Canned fish. A. B. Harris. 558,952, May 20; Serial No. 578,930, published Feb. 26, 1952.
Canned fruits and vegetables. Salter Canning Company. 558,923, May 20; Serial No. 543,996, published Jan. 2, 1951.
Canned fruits, canned apple sauce, canned vegetables, etc. Kitchen Products, Inc. 559,014, May 20; Serial No. 601,924, published Aug. 14, 1951.
Canned fruits, canned vegetables, canned vegetable juices, etc. Gerber Products Company. 559,055, May 20; Serial No. 607,496, published Feb. 26, 1952.
Canned oysters and canned and frozen shell fish. Mavar Shrimp & Oyster Co., Ltd. 559,045, May 20; Serial No. 606,025, published Feb. 19, 1952.
Canned oysters and canned shell fish. Mavar Shrimp & Oyster Co., Ltd. 559,044, May 20; Serial No. 606,024, published Feb. 19, 1952.
Canned pineapple. Hawaiian Pineapple Co., Ltd. 85,113, re-renewed Jan. 30, 1952. O. G. May 20.
Canned salmon. Oceanic Sales Co. 558,931, May 20; Serial No. 559,319, published Feb. 26, 1952.
Canned tomato juice, canned tomato puree, canned vegetables, etc. Eaton Canning Company. 559,069, May 20; Serial No. 609,635, published Feb. 26, 1952.
Chemical compounds suitable for the flavoring of food products, etc. Fritzsche Brothers, Inc. 295,077, renewed June 14, 1952. O. G. May 20.
Chutney. Merwanjee Poonjiajee & Sons. 38,114, re-renewed Apr. 15, 1952. O. G. May 20.
Coffee. Stone Ordean Wells Company. 86,762, re-renewed May 28, 1952. O. G. May 20.
Composition for improving the water absorptive and retention properties of bread. Food Technology, Inc. 559,182, May 20; Serial No. 607,493.
Corn, Treated. Archem Corporation. 559,026, May 20; Serial No. 603,567, published Mar. 4, 1952.
Cucumber chips, Fresh. R. J. Stenzel. 559,146, May 20; Serial No. 618,374, published Feb. 26, 1952.

Feed pellets, Mixed. Ada Milling Company. 559,011, May 20; Serial No. 601,128, published Feb. 12, 1952.
Flavoring extracts, buckwheat, rye, wheat and graham flour, etc. F. B. Chamberlain Company. 84,081, Nov. 7, 1911. Republished May 20.
Flour, Pancake, breakfast cereal, corn meal, etc. Doud Milling Company. 559,147, May 20; Serial No. 618,538, published Feb. 26, 1952.
Flour, Wheat. The Blair Milling Company. 558,915, May 20; Serial No. 536,577, published July 26, 1949.
Fruits, Fresh citrus. Fillmore Citrus Association. 294,867, renewed June 7, 1952. O. G. May 20.
Ham, Cooked. Hunter Packing Company. 558,989, May 20; Serial No. 595,666, published Feb. 13, 1951.
Olives, Green, stuffed olives, pickled onions, etc. G. L. Mezzetta & Co. 559,160, May 20; Serial No. 569,530.
Oranges, lemons, grape-fruit, etc. I. B. Skinner. 86,468, re-renewed May 7, 1952. O. G. May 20.
Oranges, lemons, grape-fruit, etc. South Lake Apopka Citrus Growers Association. 86,342, re-renewed Apr. 30, 1952. O. G. May 20.
Pretzels and popcorn. Buckeye Foods, Inc. 558,984, May 20; Serial No. 594,246, published Mar. 4, 1952.
Salt, Vitamized. Labmasters Incorporated. 559,166, May 20; Serial No. 585,027.
Sandwiches. M. L. Alexander. 559,039, May 20; Serial No. 604,946, published Mar. 4, 1952.
Seasoning. Louis Milani Foods, Inc. 558,956, May 20; Serial No. 581,820, published Feb. 26, 1952.
Syrup, Coconut. W. G. Peacock Company. 558,990, May 20; Serial No. 596,115, published Feb. 26, 1952.
Vegetables, Fresh. Western Packing Company. 559,188, May 20; Serial No. 615,964.

CLASS 47

Champagne. Sovereign Importers Ltd. 559,184, May 20; Serial No. 609,499.
Wine. Schenley Distillers Corporation. 558,936, May 20; Serial No. 568,119, published Feb. 26, 1952.
Wines. Schenley Industries, Inc. 558,969, May 20; Serial No. 588,891, published Feb. 26, 1952.
Wines and vermouth. Lucien Ardin, Inc. 559,112, May 20; Serial No. 614,120, published Feb. 26, 1952.

CLASS 48

Beer. Atlantic Brewing Company. 559,186, May 20; Serial No. 612,580.
Beer. The Tivoli-Union Company. 444,690, May 20; Serial No. 525,711, published Apr. 17, 1951.
Beer. The Tivoli-Union Company. 558,924, May 20; Serial No. 547,375, published Apr. 17, 1951.

CLASS 49

Brandy. Standard Food Products Corp. 559,169, May 20; Serial No. 592,347.
Whiskey. Frankfort Distilleries, Incorporated. 339,320, Oct. 6, 1936. Republished May 20.
Whiskey. Frankfort Distilleries, Incorporated. 340,140, Nov. 3, 1936. Republished May 20.
Whiskey. Frankfort Distilleries, Incorporated. 351,463, Nov. 2, 1937. Republished May 20.
Whiskey. H & H Distributing Company, Inc. 559,185, May 20; Serial No. 610,127.
Whiskey, Scotch. M. D. Stevenson, G. A. Calazel, and R. Bruce. 559,159, May 20; Serial No. 567,881.
Whisky. I. M. Oberfelder. 291,683, renewed Feb. 23, 1952. O. G. May 20.

CLASS 50

Non-electrical signs and signs made of plastic or other composition. W. P. Taylor. 559,170, May 20; Serial No. 592,850.

CLASS 51

Alum powder, anise seed, bicarb. soda, etc. Purepac Corporation. 294,666, renewed June 7, 1952. O. G. May 20.
Hair waving and treating solutions and lotions, hair wash, etc. The Realistic Permanent Wave Machine Co. 293,386, Apr. 19, 1932. Amended. O. G. May 20.
Kits containing toilet articles, etc. John Hudson Moore, Inc. 558,968, May 20; Serial No. 588,586, published Nov. 7, 1950.
Sun tan cream and sun tan liquid. Peau d'Or Sales Corporation. 558,918, May 20; Serial No. 539,558, published Nov. 7, 1950.

CLASS 52

Cleaner, cleanser, and detergent. The Procter & Gamble Company. 559,064, May 20; Serial No. 608,716, published Feb. 19, 1952.
Cleaner fluid. Feller-Jones Corporation. 558,978, May 20; Serial No. 593,065, published Feb. 26, 1952.
Cleaners, cleaning compounds and preparations. Dearborn Chemical Company. 558,983, May 20; Serial No. 594,105, published Feb. 19, 1952.
Cleanser, General household. Time Chemical, Inc. 559,164, May 20; Serial No. 582,804.
Compositions for cleaning carburetors, fuel pumps, etc. Commercial Solvent Corporation. 558,961, May 20; Serial No. 585,432, published Feb. 26, 1952.
Detergent, Inorganic. Diamond Alkali Company. 558,933, May 20; Serial No. 561,890, published Feb. 26, 1952.
Materials and solutions which act as the solvent in removing ink, grease, etc. American Multigraph Co. 293,735, renewed May 3, 1952. O. G. May 20.
Organic condensation product. E. F. Drew & Co., Inc. 558,927, May 20; Serial No. 550,999, published Feb. 26, 1952.
Rust, scale, and corrosion preventive and eliminating compound. Metropolitan Refining Co., Inc. 294,695, renewed June 7, 1952. O. G. May 20.
Shampoo, Hair. Artistic Beauty Products Company. 558,975, May 20; Serial No. 592,746, published Feb. 26, 1952.
Shampoo preparation. J. Pecora. 558,977, May 20; Serial No. 593,014, published Feb. 19, 1952.
Soap and shampoo. John N. McMath Co. 558,967, May 20; Serial No. 588,353, published Feb. 19, 1952.
Soap, soap in chips and bars, powdered soap, etc. H. Kohnstamm & Co., Inc. 558,994, May 20; Serial No. 597,531, published Feb. 26, 1952.
Soap, Toilet scouring, and cleansing. F. H. Daland. 85,086, re-renewed Jan. 30, 1952. O. G. May 20.
Soaps, Leather and saddle. Wm. Wren, Limited. 559,024, May 20; Serial No. 603,271, published Feb. 19, 1952.
Spotting compound. A. L. Wilson Chemical Co. 558,962, May 20; Serial No. 586,028, published Feb. 19, 1952.

CLASS 102

General fire, marine, casualty and life insurance brokerage services. John T. Trefry and Company. 559,154, May 20; Serial No. 585,198, published Feb. 26, 1952.

CLASS 103

Making magnetic particle inspections of submitted ferro magnetic articles. Magnaflux Corporation. 559,155, May 20; Serial No. 612,868, published Feb. 26, 1952.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alexanderson, Howard A., Hohokus, and R. Z. Hague, Oradell, assignors to Bendix Aviation Corporation, Teterboro, N. J. Control device for the power units of aircraft. Re. 23,490, May 20.
Armour and Company, assignee: *See*—
Vander Wal, Robert J., and Van Akkeren.
Bendix Aviation Corporation, assignee: *See*—
Alexanderson, Howard A., and Hague.
Stelzel, Roderick W.
Black & Decker Manufacturing Company, The, assignee: *See*—
Wilhide, Glenn C.
Caplan, Barney, Camden, N. J. Extensible hem garment construction. Re. 23,491, May 20.
Despois, Edouard, Paris, France, assignor to Societe Francaise Radio Electrique. Manufacture of the envelopes of electron discharge and other evacuated devices. Re. 23,492, May 20.
Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Liquid level gauge. Re. 23,493, May 20.
Esnault-Pelterie, Robert, Geneva, Switzerland, assignor to Spladis Societe Pour L'Application D'Inventions Scientifiques, Luxemburg. Apparatus for the rapid vaporization of water by means of a solid combustible. Re. 23,494, May 20.
Gaylord Container Corporation, assignee: *See*—
Lighter, Stephen.
Hague, Robert Z.: *See*—
Alexanderson, Howard A., and Hague.
Lighter, Stephen, Whitefish Bay, Wis., assignor to Gaylord Container Corporation, St. Louis, Mo. Bottle carrier. Re. 23,501, May 20.
Liquidometer Corporation, The, assignee: *See*—
Edelman, Abraham.
McDaniel, Eskel J., and A. R. Summers, St. Louis, Mo. Shoe last. Re. 23,495, May 20.
Seeler, Henry, Dayton, Ohio. Resuscitator. Re. 23,496, May 20.
Societe Francaise Radio Electrique, assignee: *See*—
Despois, Edouard.
Spladis Societe Pour L'Application D'Inventions Scientifiques, Luxemburg, assignee: *See*—
Esnault-Pelterie, Robert.
Summers, Arthur R.: *See*—
McDaniel, Eskel J., and Summers.
Stelzel, Roderick W., Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starter jaw actuating mechanism. Re. 23,497, May 20.
Stoll, Victor, New York, N. Y. Dental surveyor and coordinator. Re. 23,498, May 20.
Van Akkeren, Leon A.: *See*—
Vander Wal, Robert J., and Van Akkeren.
Vander Wal, Robert J., Chicago, and L. A. Van Akkeren, Oak Park, assignors to Armour and Company, Chicago, Ill. Modified lard and producing same. Re. 23,499, May 20.
Wilhide, Glenn C., assignor to The Black & Decker Manufacturing Company, Towson, Md. Apparatus for dressing valve seat grinding stones for convex valve seats. Re. 23,500, May 20.

LIST OF PLANT PATENTEES

Merrill, Grant, Red Bluff, Calif. Peach tree. 1,097, May 20.
Merrill, Grant, Red Bluff, Calif. Peach tree. 1,098, May 20.
Merrill, Grant, Red Bluff, Calif. Peach tree. 1,099, May 20.

LIST OF DESIGN PATENTEES

Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Combination television and radio-phonograph cabinet. 166,786, May 20.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Television cabinet control panel. 166,787, May 20.
Adler, Samuel E., assignor to Admiral Corporation, Chicago, Ill. Radio cabinet. 166,788, May 20.
Admiral Corporation, assignee: *See*—
Adler, Samuel E.
Alpert, Robert, Malone, N. Y. Bedroom slipper or similar article. 166,789, May 20.
Andrews, Richard E.: *See*—
Miller, Herchael W., and Andrews.
Art Metal Construction Company, assignee: *See*—
Jones, James R.
Bell, Nola H., Washington, D. C., and P. C. Rich, Arlington, Va. Canasta game board. 166,790, May 20.
Biever, J. Donald, Inc., assignee: *See*—
Biever, James D.
Biever, James D., assignor to J. Donald Biever, Inc., Philadelphia, Pa. Educational toy. 166,791, May 20.
Bookman, Harry, and E. E. Dalton, Los Angeles, Calif.; said Dalton assignor to said Bookman. Clothes hanger for automobiles or the like. 166,792, May 20.
Borowitz, David, Chicago, Ill. Electric lamp base. 166,793, May 20.
Borowitz, David, Chicago, Ill. Electric lamp base. 166,794, May 20.
Bright, George C., Tucson, Ariz. Map holder or similar article. 166,795, May 20.
Brill, Allan, Cicero, Ill. Bunk bed. 166,796, May 20.
Buford, William J., Houston, Tex. Shirt. 166,797, May 20.
Butterworth, Norman F., Utica, N. Y. Game board. 166,798, May 20.
California Underwear Company, Inc., assignee: *See*—
Seay, Ollie A.
Chapman, Dave, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis. Showcase. 166,799, May 20.
Costas, Samuel G., Fond du Lac, Wis. Portable illuminable direction sign. 166,800, May 20.
Dalton, Elof E.: *See*—
Bookman, Harry, and Dalton.
Davidson, Christopher, assignor to John B. Davidson Woolen Mills, Inc., Eaton Rapids, Mich. Combination hose and slipper-sole assembly. 166,801, May 20.
Davidson, John B., Woolen Mills, Inc., assignee: *See*—
Davidson, Christopher.
De Berg, Aida A., Antigua, Guatemala. Decorative candle. 166,802, May 20.
De Grace, Peter, West Gardena, Calif. Wax paper dispenser. 166,804, May 20.
Donaldson, Evelyn G., Denver, Colo. Combined ash tray and cigarette container. 166,805, May 20.
Dukoff, Edward: *See*—
Kaye, Danny, and Dukoff.
Endicott Johnson Corporation, assignee: *See*—
Wilcox, Irwin D.
Everlast Metal Products Corp., assignee: *See*—
Schnitzer, Louis M.
Garrett, Arthur O., San Marino, Calif. Desk. 166,803, May 20.
Harvey, Norman J.: *See*—
Zank, Donald G., and Harvey.
Jacoby-Bender, Inc., assignee: *See*—
Rodriguez, Emil.
Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Drawer pull. 166,806, May 20.
Kaye, Danny, Beverly Hills, and E. Dukoff, North Hollywood, Calif. Blowout toy or the like. 166,807, May 20.

Kenmar Manufacturing Company, The, assignee: *See*—
Maurer, Robert A.
Kilgore, Earl J., Kenvir, Ky. Garden tool. 166,808, May 20.
Klenk, William C., III, Grosse Pointe, Mich. Artificial bait. 166,809, May 20.
Kretchmer, Clarence M., Belvedere, Calif. Candy bar. 166,810, May 20.
Le Febvre, Alfred L., Windsor, Conn. Deodorant block holder. 166,811, May 20.
Lustbader, Samuel, Brooklyn, N. Y. Cleaner and scraping unit. 166,812, May 20.
Lyon, George A., Detroit, Mich. Wheel cover member or similar article. 166,813, May 20.
Marcantonio, Ralph M., Easton, Conn. Base support for clamp type food grinder or similar article. 166,814, May 20.
Maurer, Robert A., assignor to The Kenmar Manufacturing Company, East Palestine, Ohio. Reclining chair. 166,815, May 20.
Meeker, Isabel L., Philadelphia, Pa. Doll. 166,816, May 20.
Miller, Herchael W., Davenport, and R. E. Andrews, assignors to The Prime Mover Co., Muscatine, Iowa. Power-operated wheelbarrow. 166,817, May 20.
Motor Products Corporation, assignee: *See*—
Walter, John H.
Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 166,818, May 20.
Mueller, Walter, Clifton, N. J., assignor of one-half to R. E. Schletter, Philadelphia, Pa. Lady's stocking. 166,819, May 20.
Olson, Melford E., Red Lake Falls, Minn. Dispensing container for liquids. 166,820, May 20.
Parker Pen Company, The, assignee: *See*—
Chapman, Dave.
Pauwels, Leo R., Los Angeles, Calif. Link chain. 166,821, May 20.
Peterson, John B., Sausalito, Calif. Combined high chair and stroller. 166,822, May 20.
Pillars, Miles D., assignee: *See*—
Shinn, Charles C.
Prime Mover Co., The, assignee: *See*—
Miller, Herchael W., and Andrews.
Rich, Paul C.: *See*—
Bell, Nola H., and Rich.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 166,823, May 20.
Sandler, Jacob, Boston, Mass. Shoe or similar article. 166,824, May 20.
Sandler, Jacob, Boston, Mass. Shoe or similar article. 166,825, May 20.
Schletter, Richard E., assignee: *See*—
Mueller, Walter.
Schluttig, Pearl L., Washington, D. C. Melting pot for cosmetic pomade. 166,827, May 20.
Seay, Ollie A., assignor to California Underwear Company, Inc., Dallas, Tex. Stocking. 166,828, May 20.
Sherman, Walter J., Muscatine, Iowa. Meat cooking pan. 166,829, May 20.
Shinn, Charles C., Greenbelt, Md., assignor of one-fourth to M. D. Pillars, Washington, D. C. Reversible table base or similar article. 166,830, May 20.
Schnitzer, Louis M., Brooklyn, N. Y., assignor to Everlast Metal Products Corp. Serving tray. 166,826, May 20.
Stevens, Donald H., Oakville, Ontario, Canada. Toy bow gun or similar article. 166,831, May 20.
Thompson, Clifford O.: *See*—
Thompson, Edith R. and C. O.
Thompson, Edith R. and C. O., Hawthorne, Calif. Child's drinking glass. 166,832, May 20.
Thompson, Houston, Milwaukee, Wis. Automobile. 166,833, May 20.
Vernon, William F., Newton, Iowa. Ash tray or similar article. 166,834, May 20.
Voight, August L., Berea, Ohio. Dispenser stopper for a bottle. 166,835, May 20.
Walter, John H., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Name plate. 166,836, May 20.
Wilcox, Irwin D., assignor to Endicott Johnson Corporation, Endicott, N. Y. Boot. 166,837, May 20.
Zank, Donald G., and N. J. Harvey, Bellevue, Nebr. Tractor seat. 166,838, May 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A/S Ardal Verk, assignee: *See*—
Dale, Halvard.
Abbott, James C., Los Angeles, Calif. Carburetor testing machine. 2,597,274, May 20.
Adams, John W., Bradley Beach, N. J. Coil packaging. 2,596,970, May 20.
Adams, Paul R.: *See*—
Deloraine, Edmond M., and Adams.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
MacMasters, Majel M. and Hoaglund.
Ahlstrand, Axel P., Worcester, Mass. Spoonholder. 2,597,275, May 20.
Aiken, Mary E., and M. J. Rummel, assignors to H. J. Heinz Company, Pittsburgh, Pa. Optical testing of materials with a transparent screen. 2,597,425, May 20.
Ainsworth, Chester D., Wollaston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker with interlocked blast valve and contact motors. 2,597,047, May 20.
Air Associates, Incorporated, assignee: *See*—
Donovan, Timothy F.
Air Products, Incorporated, assignee: *See*—
Schilling, Clarence J.
Ajax Engineering Corporation, assignee: *See*—
Tama, Manuel, M., and Hoff.
Aktiebolaget Supermarin, assignee: *See*—
Almqvist, Bo K. L., and Elgström.
Alexander, Leon G., Charlotte, and J. W. Sherrill, Belmont, assignors to Wix Accessories Corporation, Gastonia, N. C. Oil filter replacement unit. 2,597,770, May 20.
Alford, Andrew, Cambridge, and H. M. Hart, Wellesley, Mass., assignors, by mesne assignments, to Raytheon Manufacturing Company. Apparatus for mensuring distance. 2,597,607, May 20.
Allan, William J.: *See*—
Garner, Claude M., and Allan.
Allegheny Ludlum Steel Corporation, assignee: *See*—
Patterson, Walter M.
Allen, William F.: *See*—
Moyer, Wendell W., and Allen.
Allen, William F., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Nutrient composition for the preparation of streptomycin. 2,596,971, May 20.
Allen, William F., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Nutrient composition for the preparation of streptomycin. 2,596,972, May 20.
Alliance Furniture Company, assignee: *See*—
Anderson, Stanley T.
Allied Chemical & Dye Corporation, assignee: *See*—
Joris, George G.
Otto, Julian A., and Gilbert.
Allied Laboratories, Inc., assignee: *See*—
Faith, Herman E.
Allied Minerals, Inc., assignee: *See*—
Cook, Errol F.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Ainsworth, Chester D.
Nye, Henry V.
Paterson, Ira W.
Almqvist, Bo K. L., Stockholm, and B. O. Elgström, Alvsjo, assignors to Aktiebolaget Supermarin, Stockholm, Sweden. Watercraft. 2,597,048, May 20.
Altgelt, Rudolph J., and C. H. Gemberling, South Bend, Ind., assignors to The Oliver Corporation. Subsurface and subsoil cultivator. 2,597,608, May 20.
Altmann, George O., Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Insulation of ferromagnetic particles. 2,597,276, May 20.
Alvey-Ferguson Company, The, assignee: *See*—
Smith, Donald P.
Amborski, Leonard E., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitric acid treatment of polyethylene terephthalate structures. 2,597,557, May 20.
American Car and Foundry Company, assignee: *See*—
Patton, John W., and Cudini.
American Cyanamid Company, assignee: *See*—
Anthes, John A., and Dudley.
Horstelmann, Joseph L., and Fordemwalt.
Cresswell, Arthur.
West, Herbert J.
American Hospital Supply Corporation, assignee: *See*—
Erikson, Eben W.
American Metal Company, Ltd., The, assignee: *See*—
Ednie, James F.
American Sensing Company, assignee: *See*—
Morgan, Erving B., and Plachecki.
American Steel Foundries, assignee: *See*—
Tack, Carl E.
American Tool & Machine Co., assignee: *See*—
Tholl, John E.
American Viscose Corporation, assignee: *See*—
Conti, John D.
Anderson, Stanley T., assignor to Alliance Furniture Company, Jamestown, N. Y. Article of furniture. 2,597,277, May 20.
Anderson, Wilmer C., Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y. Textile control. 2,596,973, May 20.
Angelo, Joseph, North Plainfield, N. J. Utility attachment for fishing creels. 2,596,974, May 20.
Anthes, John A., Springdale, and J. R. Dudley, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of ethylenesulfonic acid. 2,597,696, May 20.
Apex Electrical Manufacturing Company, The, assignee: *See*—
Wied, Julius P.
Appel, Everett H., Aurora, Ill. Pick-up arrangement for agricultural leading machines. 2,597,218, May 20.
Appel, Everett H., Aurora, Ill. Bale loading machine. 2,597,219, May 20.
Appel, Everett H., Aurora, Ill. Bale loading machine. 2,597,220, May 20.
Aquaness Corporation, assignee: *See*—
Todd, Raymond W., and Fuchs.
Aristocrat Manicuring Company, assignee: *See*—
Kessler, Merrill.
Arkansas Company, Inc., assignee: *See*—
Cook, Alton A., and Sapers.
Arkell Safety Bag Company, assignee: *See*—
Doyle, James F.
Armari, Ettore, Chiasso, Switzerland. Apparatus for automatically glazing elements arranged on flexible bands, particularly for coloring sliding clasp fasteners. 2,597,049, May 20.
Armour and Company, assignee: *See*—
Cornwell, Earl D., and Dobija.
Davis, Charles J., Jr.
Orth, George O., Jr.
Armour and Company, assignee: *See*—
Reck, Richard A.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Gruss, George A.
Higbie, Howard E.
Aron, Walter A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Wave guide joint. 2,597,143, May 20.
Arundale, John B., Accrington, Lancashire, and J. J. Haythornthwaite, Huncoat, Lancashire, assignors of one-third to Howard and Bullough Limited, Accrington, England. Drafting apparatus of textile spinning and analogous machines. 2,597,278, May 20.
Ashkenas, Irving L., Beverly Hills, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Full-power boost airplane control system. 2,597,769, May 20.
Askania Regulator Company, assignee: *See*—
Pray, Wilbur F.
Asselin, James H., Winnetka, Ill. Rail guard. 2,597,697, May 20.
Atlanta Paper Company, assignee: *See*—
Robinson, Kenneth V.
Atlantic Refining Company, The, assignee: *See*—
Staggs, Horace M., and Davis.
Atlas Mineral Products Company of Pennsylvania, The, assignee: *See*—
Walker, Willis B.
Auckley, Lee E., Milwaukee, Wis. Index tab. 2,597,426, May 20.
Audemar, Pierre G. J. M., La Garenne-Colombes, assignor to Olaer Marine, Paris, France. Hydraulic transmission for reproducing mechanical motions at remote points. 2,597,050, May 20.
Auer, John, East Norwalk, Conn. Temporary button fastener. 2,597,051, May 20.
Auspos, Lawrence A.: *See*—
Izard, Emmette F., and Auspos.

Automatic Electric Laboratories, Inc., assignee: *See*—
Walsh, Thomas G.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Spears, Ralph A.
Ayers, George W., Chicago, M. J. Geerts, Evanston, and R. E. Chandler, Algonquin, assignors to The Pure Oil Company, Chicago, Ill. Preventing the development of sourness in certain petroleum liquids during distillation. 2,597,427, May 20.
Ayerst, McKenna & Harrison Limited, assignee: *See*—
Grant, Gordon A., and Glen.
Babcock & Wilcox Company, The, assignee: *See*—
Taylor, George A.
Bachelet, Albert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Checking means for pulse counting circuit. 2,597,428, May 20.
Bachman, Gustave B., West Lafayette, Ind., and J. V. Hewett, Columbia, S. C., assignors to Purdue Research Foundation, La Fayette, Ind. Nitration of aliphatic hydrocarbons. 2,597,698, May 20.
Bacon, Harry W., assignee: *See*—
Sherman, Earl L.
Bailey, David R., Sacramento, Calif. Apparatus for halving almonds. 2,597,279, May 20.
Bailey, James, assignor to Plax Corporation, West Hartford, Conn. Manufacturing plastic articles. 2,597,358, May 20.
Bailey Meter Company, assignee: *See*—
Hornfeck, Anthony J.
Bailey, William M., Fairhaven, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Capacitance device. 2,597,429, May 20.
Baldridge, Dorris R.: *See*—
Pemberton, J. C., and Baldridge.
Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Ruge, Arthur C.
Bannon, John H., Cranford, N. J., assignor to Standard Oil Development Company. Slurry polymerization process. 2,596,975, May 20.
Barber-Colman Company, assignee: *See*—
Lucas, James J.
Remich, Norman C.
Barber, Edford E., New Haven, Conn. Post straightening jack. 2,596,976, May 20.
Barber-Greene Company, assignee: *See*—
Barber, Harry A.
Barber, Harry A., assignor to Barber-Greene Company, Aurora, Ill. Apparatus for finishing roads. 2,597,221, May 20.
Barker, Eros V., assignor to The Perfection Steel Body Company, Galion, Ohio. Fertilizer beater and spreader. 2,597,052, May 20.
Barnes, Tracy W., Webster Groves, assignor to John Ramming Machine Company, St. Louis, Mo. Power-operated universal chuck. 2,597,280, May 20.
Barnhart, E. R., assignee: *See*—
Clines, Edwin M.
Barr, Arthur C.: *See*—
Oday, Arthur B., and Barr.
Barteh, James C., and G. W. Couch, Flat River, Mo. Sprout destroyer. 2,597,053, May 20.
Barthelemy, Rene, Fontenay aux Roses, assignor to Compagnie Pour La Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France. Coupling for cathode-ray tubes. 2,597,054, May 20.
Bartlett, James L., and J. R. Davis, assignors to The Trane Company, La Crosse, Wis. Fluid flow calculator. 2,597,609, May 20.
Bassinger, Ross: *See*—
Harrison, Harry W., and Bassinger.
Baudinière, Gilbert, Paris, France. Nitric acid and bisulfite digestion of fibrous vegetable material. 2,597,430, May 20.
Baudry, René A., Pittsburgh, and P. R. Heller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fretting corrosion preventing means. 2,597,055, May 20.
Bauer, Clarence R., Irvington, N. J. Trap for intravenous injection apparatus. 2,597,699, May 20.
Beach, Justice H., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric iron. 2,597,700, May 20.
Beadles, Lyle E.: *See*—
Wright, Stephen A., and Beadles.
Beaulieu, Anede: *See*—
Pilon, Joseph L., and Beaulieu.
Beck, Norman, assignor to The Crown Cork Company Limited, Southall, England. Labeling machine. 2,597,431, May 20.
Beder, Samuel L., assignor to Irwin F. Mills Associates, New York, N. Y. Window lock. 2,597,056, May 20.
Bekey, Andrew, Los Angeles, Calif. Electromagnetically operated mechanism using resonance effects. 2,597,559, May 20.
Beldin, Royal L.: *See*—
Roscoe, Merrill W., and Beldin.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bachelet, Albert E.
Cory, Samuel I.
Coyne, Howard L.
Matthias, Bernd T.
Pfann, William G.
Beller, Hans, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Producing finely divided metals. 2,597,701, May 20.
Bendix Aviation Corporation, assignee: *See*—
Hediger, Walter.
Konet, Henry.
Noxon, Paul A.
Rudd, Maurice A.
Stamper, Hamilton A., Nelson, and Wippert.
Stuart, Alfred A., Jr.
Winkler, Albert H.
Beniams, Herman N., assignor to Cutter Laboratories, Berkeley, Calif. Acetyl globin and preparation. 2,597,432, May 20.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,597,222, May 20.
Bennett, Roswell J.: *See*—
Schumacher, Erwin A., and Bennett.
Benning, Anthony F., Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluoroalkylphosphoric compounds. 2,597,702, May 20.
Bergonzo, Giovanni, Turin, Italy. Wheel mounting device. 2,597,433, May 20.
Bergquist, Theodore W., Willow Groove, assignor to J. E. Lonergan Company, Philadelphia, Pa. Safety valve. 2,597,057, May 20.
Bergstrom, Albert L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Drill bit. 2,597,771, May 20.
Berliner, Henry A., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Jet propulsion system for airplanes. 2,597,610, May 20.
Beveridge, Harold N.: *See*—
Hall, William M., and Beveridge.
Beyrodt, Kurt, Williston Park, N. Y. Flushing device for toilets. 2,597,560, May 20.
Bile, Sheldon W.: *See*—
Borda, Laddy F., and Bile.
Bircsak, Stephen, Newark, N. J. Motor vehicle bumper. 2,597,058, May 20.
Birt, Dannie D., Guymon, Okla., assignor to Dandee Manufacturing Company, Inc. Cultivator disk mounting. 2,597,524, May 20.
Bishop, Lewis H., and J. S. Finn, Burlingame, assignors, by mesne assignments, to W. H. Mead, Oakland, Calif. Surface treating apparatus. 2,597,434, May 20.
Bitzer, Martin, Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield clearing device. 2,597,059, May 20.
Bjoro, Edvin F., Huntington, N. Y., assignor to The Spool Cotton Company, Newark, N. J. Display and storage cabinet. 2,597,435, May 20.
Blackmore, Fred N.: *See*—
Dies, Herbert F., and Blackmore.
Blanco Oil Co., assignee: *See*—
West, Thomas S.
Bleam, Edgar W.: *See*—
Stokes, John S., and Bleam.
Blind, Karl A., Thiensville, assignor to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic separator. 2,597,561, May 20.
Blodgett, Katharine B., Schenectady, N. Y., assignor to General Electric Company. Electrically conducting layer. 2,597,562, May 20.
Bobard, Emile, Beaune, France. Motor containing wheel. 2,597,436, May 20.
Bocji Corporation, assignee: *See*—
Lang, Joseph C.
Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange polymers of the carboxylic type. 2,597,437, May 20.
Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange polymers of the sulfonic type. 2,597,438, May 20.
Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Weakly basic anion-exchange polymers. 2,597,439, May 20.
Bodamer, George W., Cheltenham, assignor to Rohm & Haas Company, Philadelphia, Pa. Strongly basic anion-exchange resins. 2,597,440, May 20.
Boeing Airplane Company, assignee: *See*—
Swanson, Wallace R.
White, Compton I., Jr., Young, Pederson, and Rahn.
Bone, Arthur G.: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.
Bonglovanni, Antonio, assignor of fifteen and one-half per cent to A. Stango, fifteen and one-half per cent to A. Oteri, ten per cent to A. Stango, eleven and one-half per cent to J. W. Kephart, Jr., and eleven and one-half per cent to A. E. Kephart, Philadelphia, Pa. Individual neck duster. 2,597,772, May 20.
Borda, Laddy F., Akron, and S. W. Bile, Barberton, Ohio. Method and apparatus for tire or like repair vulcanizing. 2,597,611, May 20.
Borg, George W., Corporation, The, assignee: *See*—
Grether, Lester M., Turner, and Schweigler.
Borg-Warner Corporation, assignee: *See*—
Hubacker, Earl F., and Fleck.
Keibel, Donald W.
Borrow, Edgar W., Cowplain, Portsmouth, England. Grass and other agricultural green crop drying plant. 2,597,441, May 20.

Borrow, Edgar W., Cowplain, Portsmouth, England. Grass and other agricultural green crop drying plant. 2,597,442, May 20.
Borstelmann, Joseph L., and F. Fordemwalt, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Oil-in-water emulsion for vat color printing. 2,597,281, May 20.
Boseley, William, and W. Kilmister, Wembley, England. Shoe press. 2,597,612, May 20.
Bouchard, Gaston R., Saint-Germain-en-Laye, France. Mechanical relay. 2,597,773, May 20.
Boutelle, Allen O., Jefferson, and R. C. Kuder, assignors to Moe Brothers Manufacturing Company, Fort Atkinson, Wis. Channeled-tube light fixture with housed yieldable socket means. 2,597,060, May 20.
Brandt, Henry E., North St. Paul, Minn. Hand-operated duster. 2,597,282, May 20.
Brandt, Walter, Jersey City, and J. H. Brundage, West Caldwell, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Ringing equipment. 2,596,977, May 20.
Braski, Raymond J., and F. C. Schwaneke, assignors to Dormeyer Corporation, Chicago, Ill. Cooking utensil. 2,597,695, May 20.
Brassert, H. A., & Company, assignee: *See*—
Kling, Fred E.
Breazeale, James H., Jr., St. Louis, Mo. Airplane with detachable fuselage. 2,597,563, May 20.
Brepson, Roland: *See*—
Drisch, Nicolas, and Brepson.
Brewer, Robert F., Quakertown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for coiling beads. 2,597,613, May 20.
Bridgeport Brass Company, assignee: *See*—
Brown, Gregory.
Bristol Company, The, assignee: *See*—
Cowherd, Robert D.
British Celanese Limited, assignee: *See*—
Hawtin, Philip R.
Britten, Edwin F. III, Cranford, N. J. Grass trimmer. 2,597,774, May 20.
Brooks, Joseph H., West Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Apparatus for inverting lamp tubes. 2,597,283, May 20.
Brooks, Paul S.: *See*—
Schumacher, Erwin A., and Brooks.
Brooks, Paul S., Lakewood, and E. A. Schumacher, Parma, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Support for primary galvanic cell electrolyte. 2,597,118, May 20.
Broughton, Arthur E., Glens Falls, N. Y. Oscillator. 2,597,443, May 20.
Brown, Alfred E., and A. M. Sookne, Washington, D. C., and F. W. Minor, Arlington, Va., assignors, by mesne assignments, to Harris Research Laboratories. Rendering organic textile material water repellent and composition therefor. 2,597,614, May 20.
Brown, Arthur S., Tilton, and G. E. Sedgley, Concord, N. H. Endless transmission belt. 2,597,284, May 20.
Brown, Gregory, assignor to Bridgeport Brass Company, Bridgeport, Conn. Insecticide dispenser. 2,597,775, May 20.
Brown, Harold J., Johnstown, Pa., and F. C. Lavarack, Montclair, N. J.; said Lavarack assignor to Railroad Accessories Corporation, New York, N. Y. Rail bond terminal. 2,597,444, May 20.
Brown, Kenneth A., Gervais, Oreg. Tractor attachment. 2,597,615, May 20.
Brown, Leslie S., Newton, Mass. Fleecelike stripping for boot tops or the like. 2,597,285, May 20.
Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Grinding wheel dressing mechanism. 2,597,616, May 20.
Bruce, William F., Havertown, assignor to Wyeth Incorporated, Philadelphia, Pa. Tertiary butyl secondary amines and preparing the same. 2,597,446, May 20.
Bruce, William F., Havertown, J. L. Szabo, Drexel Hill, and S. Tubis, Upper Darby, assignors to Wyeth Incorporated, Philadelphia, Pa. N-alkylamino-methyl-phenylpropane and preparing same. 2,597,445, May 20.
Brundage, John H.: *See*
Brandt, Walter, and Brundage.
Bruns, Howard B., San Francisco, Calif. Fish landing net. 2,597,447, May 20.
Bryson, William W.: *See*—
Chandler, Daniel G., and Bryson.
Buchanan, A. A., assignee: *See*—
West, Thomas S.
Budd Company, The, assignee: *See*—
Eksergian, Carolus L.
Lindsay, Alexander R.
Ridgway, Edmund T.
Bugg, Kenly C., Fort Wayne, Ind. Stitch and seam opener. 2,597,564, May 20.
Builders Ornamental Iron Company, assignee: *See*—
Elam, Jess L.
Bulota, Joseph: *See*—
Lagarde, Georges H., and Bulota.
Burgess Battery Company, assignee: *See*—
Coleman, Joseph J., and Louzos.
Burgess, Frank H., Ilford, assignor to J. A. Crabtree & Co. Limited, Walsall, England. Electric connector block. 2,597,286, May 20.
Burgess, George W., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Treatment of food products packaged in cylindrical containers. 2,597,223, May 20.
Burich, John, San Diego, Calif. Automatic cooling system. 2,597,061, May 20.
Burtner, Robert R., Skokie, and R. T. Dillon, Wilmette, assignors to G. D. Searle & Co., Skokie, Ill. 8-hydroxy-1,2,3,4-tetrahydroquinoline as a silver halide developer. 2,596,978, May 20.
Busacker, John W., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Rocket fin. 2,597,703, May 20.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway truss type brake beam end structure. 2,597,287, May 20.
Caldwell, Milford R., Los Molinos, Calif. Controlled fishing float. 2,597,288, May 20.
California Research Corporation, assignee: *See*—
Claussen, William H.
Lowe, Warren, Stewart, and Clayton.
Cambridge Instrument Company, Inc., assignee: *See*—
Fleming, John G.
Campbell, Von C., Scotia, N. Y., assignor to General Electric Company. Depositing an impervious metal film on a granular surface. 2,597,617, May 20.
Cardella, Salvatore, Maspeth, and H. G. Eriksson, Brooklyn, N. Y. Internally fired sheet metal gas burner. 2,597,062, May 20.
Carlson, Clinton V., assignor to Cosom Industries, Inc., Minneapolis, Minn. Making hollow bodies from fusible plastic materials. 2,597,704, May 20.
Carothers, Theodore E., Arcadia, assignor to Gladding, McBean & Co., Los Angeles, Calif. Making dinnerware and apparatus therefor. 2,597,448, May 20.
Carter Carburetor Corporation, assignee: *See*—
Edelen, James L.
Ericson, George R.
Case, James W., Fairfax, Va. Dehumidifier. 2,596,979, May 20.
Caskey, Cecil, Mingo Junction, Ohio. Paper box. 2,597,289, May 20.
Cassidy, John D., Riverside, Conn., and J. D. Marks, West Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Slide projector with rotatable slide mount. 2,597,449, May 20.
Castner, George P., Webster City, Iowa. Clothes-washing machine. 2,596,980, May 20.
Catanzano, George A., Arlington, Mass. Coin-controlled beverage dispensing machine. 2,597,063, May 20.
Cawley, George: *See*—
Perot, Jules J., Jr., and Cawley.
Celanese Corporation of America, assignee: *See*—
Fisher, James W., and Wheatley.
Martin, Mervin E., and Reed.
Central Foundry Company, The, assignee: *See*—
Nolan, John J., Jr.
Cessna Aircraft Company, assignee: *See*—
Salter, Thomas B.
Chandler, Daniel G., and W. W. Bryson, Columbus, Miss.; said Bryson assignor to said Chandler. Flashlight attachment for guns. 2,597,565, May 20.
Chandler, Milton E., New Britain, Conn. Auxiliary fuel chamber. 2,597,776, May 20.
Chandler, Robert E.: *See*—
Ayers, George W., Geerts, and Chandler.
Charles, T. Burr, and R. R. Skelton, Durham, N. H. Automatic feeding system. 2,597,064, May 20.
Charron, Charles S., Toronto, and A. J. Garvin, Scarboro, Ontario, Canada. Drapery track and roller assembly. 2,597,224, May 20.
Chase, Arthur M., assignee: *See*—
Chase, Henry M.
Chase, Henry M., assignor to A. M. Chase, Nampa, Idaho. Preparing and preserving potatoes. 2,597,065, May 20.
Chase, Henry M., assignor to A. M. Chase, Nampa, Idaho. Preparing and preserving frozen potatoes. 2,597,066, May 20.
Chase, Henry M., assignor to A. M. Chase, Nampa, Idaho. Preparing and preserving potatoes. 2,597,067, May 20.
Chenault, Roy L., and G. E. Mohnkern, Oil City, Pa., assignors to United States Steel Company. Nitriding metallic surfaces. 2,596,981, May 20.
Chicago Railway Equipment Company, assignee: *See*—
Busse, Edwin G.
Chiego, Bernard, Newark, N. J., assignor of sixteen and two-thirds per cent to P. Gardner, Baltimore, Md., and fifty per cent to E. D. Pratt, New York, N. Y. Preparing a soluble protein from keratinaceous materials. 2,597,566, May 20.
Childers, Harry S., assignor to Vendorlater Manufacturing Company, Fresno, Calif. Retainer for vendable merchandise. 2,597,290, May 20.
Chilton, Roland, Glen Rock, N. J. Automatic adjusting tappet. 2,597,618, May 20.
Chisholm, Harry L., Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Foot valve structure for telescopic shock absorbers. 2,596,982, May 20.
Christensen, Paul M., West Orange, assignor to Federal Electric Products Company, Newark, N. J. Electric switch. 2,596,983, May 20.

Christman, John M.: *See*—
Reaser, William A., Ziems, and Christman.

Chrosnik, Arthur, Chicago, Ill. Awning. 2,597,225, May 20.

Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electromagnetic wave control structure. 2,597,144, May 20.

Clark, Arthur E., Ferndale, Mich. Tool mount. 2,597,619, May 20.

Clark Equipment Company, assignee: *See*—
Lapsley, Robert.

Clark, James T., assignee: *See*—
Riordan, John A.

Claussen, William H., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Sulfonated phenyl alkane detergents and producing same. 2,597,834, May 20.

Clayton, James O.: *See*—
Lowe, Warren, Stewart, and Clayton.

Clayton Manufacturing Company, assignee: *See*—
Cline, Edwin L.

Clegg, Mark, North Kansas City, Mo. Tumble churn. 2,597,291, May 20.

Cline, Edwin L., Pasadena, assignor to Clayton Manufacturing Company, Alhambra, Calif. Series flow cooling system for dynamometers and engines. 2,597,450, May 20.

Clines, Edwin M., assignor of one-half to E. R. Barnhart, Omaha, Nebr. Roadside signal lighting device. 2,597,705, May 20.

Coates, James N., Grand Rapids, Mich. Fixed electrical resistance element and manufacturing the same. 2,597,226, May 20.

Coates, Oscar S., Rock Springs, Ariz. Power-driven jackhammer. 2,597,292, May 20.

Cobb, Harold E., Aurora, assignor to Furnas Electric Company, Batavia, Ill. Thermal overload relay. 2,597,068, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,451, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,452, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,453, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,454, May 20.

Coleman, Joseph J., and D. V. Louzos, assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,455, May 20.

Coleman, Joseph J., and D. V. Louzos, Waukegan, assignors to Burgess Battery Company, Freeport, Ill. Primary cell. 2,597,456, May 20.

Coletti, Eugene J., Chicago, Ill. Refrigerated water system. 2,597,293, May 20.

Coley, Edward R., Durham, N. C. Method and apparatus for treating bundled tobacco. 2,597,620, May 20.

Collins Radio Company, assignee: *See*—
Salisbury, Winfield W.

Colliton, Roy A., Clayton, Mo. Receptacle for coins and the like. 2,597,227, May 20.

Columbian Carbon Company, assignee: *See*—
Ekholm, Wesley C., and Heller.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Woynar, Basil.

Commercial Solvents Corporation, assignee: *See*—
Schmitz, Fred W., and Egly.
Shurter, Robert A.

Communication Engineering Pty. Limited, assignee: *See*—
Skillman, Thomas S., and Lackey.

Como, Ilio, Chicago, Ill. Hermetically sealed meal compact. 2,597,567, May 20.

Compagnie des Machines Bull (Societe Anonyme), assignee: *See*—
Knutsen, Knut A.

Compagnie Pour La Fabrication des Compteurs et Materiel D'Usines a Gaz, assignee: *See*—
Bathelemy, Rene.

Connor, James F., Cleveland, Ohio. Wheeled shopping bag. 2,597,294, May 20.

Connor, James F., Cleveland, Ohio. Milk can holder. 2,597,295, May 20.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Automatic weighing mechanism. 2,597,069, May 20.

Continental Can Company, Inc., assignee: *See*—
Hurley, Elmer B.
Rogers, Louis F., and Ebert.

Cook, Alton A., G. Ridge, and I. Sapers, assignors to Arkansas Company, Inc., Newark, N. J. Fatty acid polyglycol-aliphatic amine combinations useful as textile softeners and producing the same. 2,596,985, May 20.

Cook, Errol F., Marlboro, assignor to Allied Minerals, Inc., West Chelmsford, Mass. Poultry litter material. 2,597,457, May 20.

Cook, Jackson H., Morristown, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse system. 2,596,984, May 20.

Cook, John B., and L. L. Jugle, assignors to Reliable Electric Company, Chicago, Ill. Wire clamp. 2,597,070, May 20.

Cook, Wilfred J., and J. H. Tuck, Port Colborne, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Forming starting sheets for electrolytic refining of nickel. 2,597,296, May 20.

Cook, W. H., trustee, assignee: *See*—
Sweeney, Robert D., and Coutchure.

Cookman, Helen C., New York, N. Y. Surgeon's gown. 2,597,568, May 20.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,597,777, May 20.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,597,778, May 20.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigerating apparatus. 2,597,779, May 20.

Cooper, Orin N., Garwin, Iowa. Rinsing attachment for wringers. 2,597,569, May 20.

Cornell-Dubilier Electric Corporation, assignee: *See*—
Bailey, William M.

Corning Glass Works, assignee: *See*—
Doyle, Charles W.
Pond, Leander N., and Wisner.

Cornwell, Earl D., D. Grove, and S. Dobija, assignors to Armour and Company, Chicago, Ill. Treating proteins with saturated aliphatic polyamines and resulting product. 2,597,228, May 20.

Corson, Dale R., Arlington, Va., and H. L. Schultz, Wellesley, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Test set for pulse-echo radio locators. 2,597,297, May 20.

Cory, Samuel I., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal monitoring. 2,597,071, May 20.

Cosom Industries, Inc., assignee: *See*—
Carlson, Clinton V.

Cossor, A. C., Limited, assignee: *See*—
Wynn, Arthur H. A.

Couch, George W.: *See*—
Bartch, James C., and Couch.

Couchman, Richard, New Kensington, Pa., assignor, by mesne assignments, to The People of the United States of America. Lubricated electrical conduit. 2,597,706, May 20.

Court, Patrick R. J., assignor to Pye Limited, Cambridge, England. Beam centering device for cathode-ray tubes. 2,597,298, May 20.

Coutchure, Wencel L.: *See*—
Sweeny, Robert D., and Coutchure.

Cowgill, Lewis F., Cleveland, Ohio. Bowling ball automatic retarder. 2,597,072, May 20.

Cowgill, William W., Fairfield, Conn., assignor to United States Rubber Company, New York, N. Y. Synthetic resin coated paper. 2,597,087, May 20.

Cowherd, Robert D., Atlanta, Ga., assignor to The Bristol Company, Waterbury, Conn. Liquid density apparatus. 2,597,621, May 20.

Cox, Edwin P., Los Angeles, Calif. Fishhook disengaging device. 2,597,229, May 20.

Coyne, Howard L., Nassau, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Variable impulse transmitter. 2,597,570, May 20.

Crabtree, J. A., & Co. Limited, assignee: *See*—
Burgess, Frank H.

Craig, Frank S., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Tightening and fastening means for casing covers. 2,597,707, May 20.

Crane Packing Company, assignee: *See*—
Roshong, Raymond G.

Cresswell, Arthur, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Antistatic agent, treatment of shaped articles therewith, and treated articles. 2,597,708, May 20.

Crites, Nelson A., and N. C. Fick, Columbus, Ohio, assignors, by mesne assignments, to Standard Steel Spring Company, Coraopolis, Pa. Spring structure. 2,597,299, May 20.

Crown Cork Company Limited, The, assignee: *See*—
Beck, Norman.
Day, Carl L., and Pahl.

Cuccia, Carmen L., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray wave generator. 2,597,571, May 20.

Cudini, Roger G.: *See*—
Patton, John W., and Cudini.

Cuff, Thomas, Saskatoon, Saskatchewan, Canada. Drill point gauge. 2,597,300, May 20.

Cummins, Clyde G., Sioux City, Iowa. Tire lug construction. 2,597,458, May 20.

Cunningham, James L., Kansas City, Mo. Flashlight having a reversible contact plate for establishing either series or series-parallel connections. 2,597,073, May 20.

Curtis, Cecil C., Washington, D. C. Adjustable means for hospital tables. 2,596,986, May 20.

Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Rock drill bit. 2,597,301, May 20.

Cutler-Hammer, Inc., assignee: *See*—
Lommen, Robert M.

Cutter Corporation, assignee: *See*—
Mansfield, Warren M.

Cutter Laboratories, assignee: *See*—
Beniams, Herman N.

Dale, Halvard, Ardalstangen, assignor to A/S Ardal Verk, Oslo, Norway. Utilization of the gas washing lye from aluminum electrolysis in cryolite production. 2,597,302, May 20.

Dandee Manufacturing Company, Inc., assignee: *See*—
Birt, Dannie D.

Dath, George E., Mokena, and H. W. Mulcahy, assignors to W. H. Miner, Inc., Chicago, Ill. Lever mechanism for clutches. 2,597,709, May 20.

Daven Company, assignee: *See*—
Naef, Alfred H., and Smith.

Daven Company, The, assignee: *See*—
Freeman, Robert H.
Hood, Andrew.

Davis, Charles J., Jr., assingor to Armour and Company, Chicago, Ill. Treatment of tank water and tankage. 2,597,230, May 20.

Davis, Ellis E., Williamsport, Pa. Garden tractor. 2,597,622, May 20.

Davis, James R.: *See*—
Bartlett, James L., and Davis.

Davis, Louis F.: *See*—
Staggs, Horace M., and Davis.

Day, Carl L., and L. F. Pahl, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Mixing apparatus and method. 2,596,987, May 20.

Dayan, Maurice S., New York, N. Y. Apparatus for mercerizing cloth. 2,597,572, May 20.

Dearborn Motors Corporation, assignee: *See*—
Richey, Clarence B.

Dearborn Motors Corporation, assignee: *See*—
Spedding, Raymond T.

De Bartholomaeis, Ettore, Milan, Italy, and V. De Nora, Zurich, Switzerland; said De Bartholomaeis assignor to said De Nora. Reducing organic compounds by hydrogenation. 2,597,074, May 20.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

Deere & Company, assignee: *See*—
Roscoe, Merrill W., and Beldin.

Deering Milliken Research Trust, assignee: *See*—
Anderson, Wilmer C.
May, John W.

De Groff, Jerald S., Little Genesee, N. Y. Spraying apparatus. 2,597,573, May 20.

Delman, George, Los Angeles, Calif. Maternity undergarment. 2,597,710, May 20.

Deloraine, Edmond M., New York, N. Y., and P. R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Automatic electronic switching by time delay signal for telephone systems. 2,596,989, May 20.

Delorme, Marcel: *See*—
Jardissard, Pierre, and Delorme.

De Nora, Vittorio: *See*—
De Bartholomaeis, Ettore, and De Nora.

Derr, Willard A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote-control system. 2,597,075, May 20.

Derrick, Harriet F., assignee: *See*—
Grisdale, George W., Jr.

D'Esopo, Francis P.: *See*—
Murphy, Robert H., and D'Esopo.

Dicke, Robert H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio-frequency vacuum tube voltmeter. 2,597,303, May 20.

Dickenson, Ernest H., Johannesburg, Transvaal, Union of South Africa, assignor to Ingersoll-Rand Company, New York, N. Y. Percussion tool. 2,597,574, May 20.

Dickinson, Henry R., and M. N. Swierbut, assignors to Grand Rapids Hardware Company, Grand Rapids, Mich. Window balance. 2,597,459, May 20.

Dies, Herbert F., Detroit, and F. N. Blackmore, Ferndale, assignors to Hurd Lock and Manufacturing Company, Detroit, Mich. Apparatus for manufacturing taper tubing. 2,597,623, May 20.

Dietrich, James M., Lititz, Pa. Harvesting machine. 2,597,076, May 20.

Dillingham, Vachel S., Oklahoma City, Okla. Fishhook and leader carrier. 2,597,304, May 20.

Dillon, Robert T.: *See*—
Burtner, Robert R., and Dillon.

Dings Magnetic Separator Co., assignee: *See*—
Blind, Karl A.
Manegold, Robert L., and Wynne.

Dobija, Stephen: *See*—
Cornwell, Earl D., and Dobija.

Dome, Robert B., Geddes, N. Y., assignor to General Electric Company. Frequency modulation reflex limiting circuit. 2,597,575, May 20.

Donald, Edward J., Old Kildonan, Manitoba, Canada. Bucket attachment for mine shaft excavations. 2,597,711, May 20.

Donovan, Timothy F., Teaneck, assignor to Air Associates, Incorporated, Teterboro, N. J. Closure for pressurized fuel tanks and the like. 2,597,576, May 20.

Dormeyer Corporation, assignee: *See*—
Braski, Raymond J., and Schwaneke.

Douglas, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,597,077, May 20.

Doyle, Charles W., assignor to Corning Glass Works, Corning, N. Y. Glassworking methods. 2,596,990, May 20.

Doyle, James F., Forest Hills, assignor to Arkell Safety Bag Company, New York, N. Y. Bag. 2,597,305, May 20.

Drisch, Nicolas, and R. Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Rayon yarn. 2,597,577. May 20.

Drisch, Nicolas, Paris, and A. Petiton, Saint-Just-Des-Marais, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Treating cellulosic materials. 2,597,624, May 20.

Drisch, Nicolas and P. Herrbach, assignors to La Cellophane, Paris, France. Applying moistureproof coating to regenerated cellulose. 2,597,625, May 20.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Chucking mechanism. 2,597,712, May 20.

Drummond, William D., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Rotary disk to facilitate plow penetration. 2,596,991, May 20.

Drury, Thomas W., Sturgis, N. H. Weber, Bronson, and E. F. Loro, Sturgis, Mich., assignors, by mesne assignments, to Kingston Products Corporation, Kokomo, Ind. Directional signal switch. 2,597,078, May 20.

Dudley, James R.: *See*—
Anthes, John A., and Dudley.

Dukes, Willard F., Jr., Quitman, Ga. Disk tiller. 2,597,079, May 20.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Amborski, Leonard E.
Benning, Anthony F.
Goebel, Max T., and Iler.
Izard, Emmette F., and Auspos.

Duprat, Jean L., Sartrouville, France. Electric water-heating tap. 2,597,713, May 20.

Dutilh, Jean-René H., Paris, France. Multichannel telemetering device. 2,597,088, May 20.

Duttenhofer, John C., assignee: *See*—
Smith, Harry E.

Eagle Signal Corporation, assignee: *See*—
Pearson, Frank A.

Eaton, Samuel E., Lexington, and R. W. Fabian, West Newton, assignors to Arthur D. Little, Inc., Cambridge, Mass. Printing process wherein an alkaline substance passing through stencil openings effects coupling of an azo dye in situ. 2,597,306, May 20.

Eberhardt, Joseph R., St. Louis, Mo. Serving and utility tray. 2,597,460, May 20.

Ebert, Michael S.: *See*—
Rogers, Louis F., and Ebert.

Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor flow testing apparatus. 2,597,231, May 20.

Eder, John, St. Albans, N. Y. Clamp for wire cables. 2,597,626, May 20.

Ednie, James F., Bellevue, Pa., assignor to The American Metal Company, Ltd., New York, N. Y. Lead base alloy. 2,597,461, May 20.

Eggert, Albert H.: *See*—
Johnson, Kermit F., and Eggert.

Egly, Richard S.: *See*—
Schmitz, Fred W., and Egly.

Eisenberg, Sylvan, Belmont, Calif. Garment suspension. 2,597,462, May 20.

Eivind Eckbo, assignee: *See*—
Thome-Johannesen, Ole.

Ekholm, Wesley C., Brooklyn, N. Y., and G. L. Heller, Monroe, La., assignors to Columbian Carbon Company. Manufacture of carbon black. 2,597,232, May 20.

Ekholm, Wesley C., and G. L. Heller, Monroe, La., assignors to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,597,233, May 20.

Eksergian, Carolus L., Media, assignor to The Budd Company, Philadelphia, Pa. Wheel mounting. 2,597,835, May 20.

Elam, Jesse L., assignor to Builders Ornamental Iron Company, Chicago, Ill. Frame straightening device. 2,597,234, May 20.

Elgström, Björn: *See*—
Almqvist, Bo K. L., and Elgström.

Elkind, Bertram, Los Angeles, Calif. Safety closure. 2,597,307, May 20.

Ellerbeck, Grant C., San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer mechanism. 2,597,463, May 20.

Elliott Company, assignee: *See*—
Rodgers, James P.

Elliott, Curtis M.: *See*—
Jellinek, Curt.

Elliott, Harmon P., Watertown, Mass. Stencil printing machine. 2,597,464, May 20.

Elshoia, Walter F., Nampa, Idaho. Carbon filament holder. 2,597,714, May 20.
Emmer, Milton, and J. E. Henschel, Brooklyn, N. Y. Beam deflector for cathode-ray tubes. 2,597,465, May 20.
Engineering and Research Corporation, assignee: *See*— Berliner, Henry A.
Engnath, Richard W., Brooklyn, N. Y. Carburetor. 2,597,780, May 20.
Erhardt, Fredrick, Regina, Saskatchewan, Canada. Aligner for shaft housings. 2,597,308, May 20.
Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Filter. 2,597,235, May 20.
Erikson, Eben W., Highland Park, assignor to American Hospital Supply Corporation, Evanston, Ill. Fluid receptacle. 2,597,715, May 20.
Eriksson, Harold G.: *See*— Cardella, Salvatore, and Eriksson.
Erskine, Frank G.: *See*— Koenig, Joseph J., Erskine and McManus.
Eserkain, Theodore F., Wauwatosa, assignor to George Gorton Machine Co., Racine, Wis. Machine tool spindle and variable-speed drive therefor. 2,597,716, May 20.
Espley, Dennis C., North Wembley, assignor to The General Electric Company, Limited, London, England. Electrical networks for echo correction in electrical signaling systems. 2,597,781, May 20.
Esselman, Walter H.: *See*— Keiper, Phillip C., and Esselman.
Ethyl Corporation, assignee: *See*— Shapiro, Hymin.
Evans Case Co., assignee: *See*— Reilly, Alfred F.
Everett, Harry F., assignor to Product Engineering Co., Portland, Oreg. Loading mechanism for cap pistols. 2,597,089, May 20.
Fabian, Robert W.: *See*— Eaton, Samuel E., and Fabian.
Fader, Arthur I., Yonkers, and I. Nevin, Bronx, N. Y. Controlled heat flow oven. 2,597,627, May 20.
Fafnir Bearing Company, The, assignee: *See*— Noe, Frank.
Faith, Herman E., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Methylenebisphenols derived from 6-chlorothymol. 2,597,717, May 20.
Falk Corporation, The, assignee: *See*— Podjaski, Edward.
Farbenfabriken Bayer, assignee: *See*— Schrader, Gerhard.
Federal Electric Products Company, assignee: *See*— Christensen, Paul M.
Federal Telephone and Radio Corporation, assignee: *See*— Deloraine, Edmond M., and Adams. Hyde, George G.
Felenchak, William, Ansonia, Conn. Clothesline brace. 2,597,628, May 20.
Feltx, Thomas R., Meriden, Conn. Telescope sight mount. 2,597,466, May 20.
Feller, Lloyd W., assignee: *See*— Rhoads, Leonard H.
Ferguson, Harry, Inc., assignee: *See*— Spurlin, William G.
Ferm, Ever A., Chicago, Ill. Cabinet and support for containers. 2,597,782, May 20.
Ferm, Ever A., Chicago, Ill. Sign for streets, etc. 2,597,783, May 20.
Fiat S. A., assignee: *See*— Montabone, Oscar.
Fick, Nathaniel C.: *See*— Crites, Nelson A., and Fick.
Field, Lloyd M., deceased, New London, Ohio; F. J. F. Karcher, Pueblo, Colo., executrix of said Lloyd M. Field, assignor to F. J. F. Karcher. Spark plug. 2,597,718, May 20.
Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Aircraft navigation and instrucent landing system. 2,597,784, May 20.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Latching means for electric motor shafts. 2,597,785, May 20.
Filterall Co., Inc., assignee: *See*— Zenick, Raymond G.
Finck, Joseph L., Brooklyn, N. Y. Insulating latch for building and like structures. 2,597,309, May 20.
Finn, John S.: *See*— Bishop, Lewis H., and Finn.
Fisher, Donald H., assignor to Pye Limited, Cambridge, England. Electronic apparatus. 2,597,310, May 20.
Fisher, James W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of synthetic resins. 2,597,467, May 20.
Fixture Hardware Corporation, The, assignee: *See*— Keil, Henry P.
Fleck, George J.: *See*— Hubacker, Earl F., and Fleck.
Fleming, John G., Tarrytown, assignor to Cambridge Instrument Company, Inc., New York, N. Y. Apparatus for gas analysis. 2,596,992, May 20.
Fletcher Trust Company, trustee, assignee: *See*— McCormick, Hamilton L.
Flex-O-Glass, Inc., assignee: *See*— Harter, Clair.
Fontaine, Raymond L., Sacramento, Calif. Garage door. 2,597,786, May 20.
Forbes Lithograph Manufacturing Company, assignee: *See*— Hoy, Edward W.
Fordemwalt, Frederick: *See*— Borstelmann, Joseph L., and Fordemwalt.
Formsprag Company, assignee: *See*— Gruenberg, Ivor J., and Szady.
Foster, Harry G., Mullens, W. Va. Rail cleaning device. 2,597,719, May 20.
Foster, Raymond F., Stratford, Conn., assignor to General Electric Company. Electron discharge amplifier. 2,597,629, May 20.
Fox, Russell P.: *See*— Marsal, Paul A., and Fox.
Frank, Samuel, Houston, Tex. Glass-cutting apparatus. 2,597,311, May 20.
Freeman, Robert H., Millburn, assignor to The Daven Company, Newark, N. J. Variable attenuator. 2,597,090, May 20.
French, Hubert, Brooklyn, N. Y., assignor to Radio Corporation of America. Signal shaping circuits and method. 2,597,630, May 20.
Frenkel, Meyer, London, England. Heat exchanger. 2,597,091, May 20.
Friden Calculating Machine Co., Inc., assignee: *See*— Ellerbeck, Grant C. Hopkins, George W., and Grobl. Machado, Anthony B., and Plunkett.
Friend, Albert W., Princeton, and A. T. Harding, Audubon, N. J., assignors to Radio Corporation of America. Comminuted ferromagnetic cores. 2,597,236, May 20.
Friend, Albert W., Lawrenceville, N. J., assignor to Radio Corporation of America. Variable loss paramagnetic cores. 2,597,237, May 20.
Froelich, Herman C., Cleveland Heights, Ohio, assignor to General Electric Company. Preparing barium silicate phosphor. 2,597,631, May 20.
Frost, Lawrence W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Fluorine-containing organosilicon compounds. 2,596,967, May 20.
Fuchs, Fritz E.: *See*— Todd, Raymond W., and Fuchs.
Furnas Electric Company, assignee: *See*— Cobb, Harold E.
Fyler, George W., Lombard, Ill., assignor to Motorola, Inc. Vertical sweep generator. 2,597,092, May 20.
Gaines, Sylvia B.: *See*— Green, Hortense B., and Gaines.
Gallagher, Charles B., Red Bank, N. J. Transfer stamping machine. 2,597,145, May 20.
Gamble, Hedwig, Ponders End, England. Machine for inserting filter plugs in cigarette tubes. 2,597,720, May 20.
Ganter, Francis X., Los Angeles, Calif. Hanger means for Venetian blinds. 2,297,578, May 20.
Gardissard, Pierre, Nice, and M. Delorme, Saint Mihiel, assignors to Societe Industrielle et Commerciale des Ouvriers Lunetiers (Eparvier, Cottet, Poichet & Cie), Paris (Seine), France. Spectacles. 2,597,312, May 20.
Gardner, Frank, assignee: *See*— Chiego, Bernard.
Gardner, John H., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,597,313, May 20.
Garman, Leo H.: *See*— Mullen, Edward, and Garman.
Garner, Claude M., Clayton, and W. J. Allan, Richmond Heights, assignors to Missouri Automatic Control Corporation, St. Louis, Mo. Safety cutoff control system with dual thermal elements. 2,597,787, May 20.
Garrett, Goldie R., Tulsa, Okla. Supplementary container adapted for support on the upper edges of principal containers. 2,597,468, May 20.
Garvin, Alexander J.: *See*— Charron, Charles S., and Garvin.
Gatzka, Konrad, Sprendlingen/Kreis Offenbach, assignor to Zahnfabrik Wienand Soehne und Co., G. m. b. H., Sprendlingen, Germany. Producing artificial ceramic teeth. 2,597,469, May 20.
Gaylord Container Corporation, assignee: *See*— Koenig, Joseph J., Erskine, and McManus.
Geerts, Marcellus J.: *See*— Ayers, George W., Geerts, and Chandler.
Geigy, J. R., A. G., assignee: *See*— Schetty, Guido.
Gemberling, Cameron H.: *See*— Altgelt, Rudolph J., and Gemberling.
Gemeinhardt, Alfred H., assignee: *See*— Kornmayer, Frank J.
General Aniline & Film Corporation, assignee: *See*— Altmann, George O. Beller, Hans. Sanders, Herbert L. Von Glahn, William H., and Stanley.

General Controls Co., assignee: *See*— Ray, William A.
General Electric Company, assignee: *See*— Blodgett, Katharine B. Campbell, Von C. Dome, Robert B. Foster, Raymond F. Froelich, Herman C. Hull, Edwin H., and Winslow. McCoy, Robert L. McKeag, Alfred H., and Ranby. Miller, David C. Oday, Arthur B., and Barr. Oppel, John A. Ordas, Arthur F. Page, Robert G. Reisch, George J., and Skolfield. Robbins, Alexander G. Smith, Richard E. Waguet, Philippe. Welch, Alanson U., Jr. Wilcock, Donald F., and Sprung. Worth, Thomas F.
General Electric Company, Limited, The, assignee: *See*— Espley, Dennis C.
General Lens Co., assignee: *See*— Okey, Perry.
General Motors Corporation, assignee: *See*— Hegeman, Franklyn P.
General Railway Signal Company, assignee: *See*— Craig, Frank S. Field, Oscar S. Field, Oscar S., and Wight. Preston, Neil D.
Geophysical Research Corporation, assignee: *See*— Kendall, James M.
Gerber, George A., Roselle, and R. A. Mullaney, Elmwood Park, Ill., assignors to Zenith Radio Corporation. Adjusting the speed of variable-speed turntables. 2,597,238, May 20.
Giardino, Joseph F., Brockton, Mass. Overflow cutoff safety device for oil burners. 2,597,470, May 20.
Gilbert & Barker Manufacturing Company, assignee: *See*— Grise, Alfred L.
Gilbert, Everett E.: *See*— Otto, Julian A., and Gilbert.
Ginal, Stephen E., Jr., Cleveland, Ohio. Simulated handkerchief. 2,597,146, May 20.
Gladding, McBean & Co., assignee: *See*— Carothers, Theodore E.
Gleasman, Vernon E., Elmira, N. Y. Folding clothes drier. 2,597,788, May 20.
Gleaves, Lawrence S., New York, assignor to The C. E. Sheppard Company, Long Island City, N. Y. Multi-record accounting instrument. 2,597,579, May 20.
Glen, William L.: *See*— Grant, Gordon A., and Glen.
Glickman, Mannes N., Nutley, N. J. Electric switch. 2,597,080, May 20.
Globe American Corporation, assignee: *See*— Sherman, Alvin G.
Gluck, Sidney J., Brooklyn, N. Y. Woven elastic fabric. 2,597,580, May 20.
Goebel, Max T., Landenburg, Pa., and R. K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Werner-type metal compounds as laminating and coating compositions. 2,597,721, May 20.
Goetz, Harry F., Detroit, Mich., assignor, by mesne assignments, to J. M. Teahen, Brighton, Mich. Flushing tank for water closets. 2,597,239, May 20.
Goldberg, Benjamin D., Brooklyn, N. Y. Slidable container with automatic cover. 2,597,722, May 20.
Goldman, Jacob, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnet. 2,597,476, May 20.
Goldstein, Eli, Brooklyn, N. Y. Shuttle cleaner for sewing machines. 2,597,632, May 20.
Goodall-Sanford, Inc., assignee: *See*— Roullard, Edward L.
Goodhue, William M., Lakeview, assignor to Polytechnic Research and Development Company Incorporated, Brooklyn, N. Y. Joint for wave guides. 2,597,081, May 20.
Goodman Manufacturing Company, assignee: *See*— Sloane, William W.
Goodrich, B. F., Company, The, assignee: *See*— Macey, Joseph H. Robison, Robert D.
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method and mold for covering of eyelets by plastic injection. 2,596,993, May 20.
Gordon, Harry L., Sunland, Calif. Steaming and pressing flatiron. 2,597,314, May 20.
Gorecki, Robert J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Making belts. 2,597,790, May 20.
Gorton, George, Machine Co., assignee: *See*— Eserkain, Theodore F.
Gottlieb, Max: *See*— Gottlieb, Sam A. and M.
Gottlieb, Sam A., and M., Philadelphia, Pa. Mixing nozzle for dispensing apparatus. 2,597,093, May 20.
Graham-Enock, Arthur, assignor to Graham-Enock Manufacturing Company Limited, London, England. Machine for filling and capping bottles and like containers. 2,597,791, May 20.
Graham-Enock Manufacturing Company Limited, assignee: *See*— Graham-Enock, Arthur.
Graham, Lloyd D., Chicago, Ill. Awning hanger structure. 2,597,633, May 20.
Grand Rapids Hardware Company, assignors: *See*— Dickinson, Henry R., and Swierbut.
Grant, Gordon A., Montreal, and W. L. Glen, Baie d'Urfe, assignors to Ayerst, McKenna & Harrison Limited, St. Laurent, Quebec, Canada. Equilenin-3-monosulfate and alkaline salts thereof. 2,597,471, May 20.
Grant, Gordon A., Montreal, and W. L. Glen, Baie d'Urfe, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada. Equilin-3-monosulfate and alkaline salts thereof. 2,597,723, May 20.
Grant, Pearl M., Decatur, Ill. Adjustable music rack. 2,597,581, May 20.
Gratzmuller, Jean L., Paris, France. Fluid pressure indicator. 2,597,724, May 20.
Gray, John D., assignor, by mesne assignments, to Gray-Mills Corporation, Evanston, Ill. Process and apparatus for maintaining the viscosity of ink through circulation. 2,597,472, May 20.
Gray, John W., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Computer for solving right triangles. 2,597,315, May 20.
Gray-Mills Corporation, assignee: *See*— Gray, John D.
Green, Hortense B., White Plains, and S. B. Gaines, Larchmont, N. Y. Combined vanity or make-up case and support therefor. 2,597,473, May 20.
Greenberg, Morris U.: *See*— Melamed, Louis, Greenberg, and Swartzman.
Greenwood, Robert I.: *See*— Harder, Edwin L., Stringer, Moore, and Greenwood.
Greiner, Anton F., Detroit, Mich. Universal joint. 2,597,240, May 20.
Grether, Lester M., H. A. Turner and F. R. Schweigler, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill. Hairspring vibrating stand. 2,597,316, May 20.
Grevich, John J., St. Paul, Minn., assignor, by mesne assignments, to Harris Trust and Savings Bank and W. H. Milsted, as trustees. Combined heat sealing apparatus, code printer, and punch. 2,597,634, May 20.
Griffith, William B., Stone Harbor, N. J. Dry pipe valve. 2,597,474, May 20.
Grisdale, George W., Jr., Ephrata, Pa., assignor, by mesne assignments, of one-fourth to L. H. Kessler, one-fourth to Norman H. Kessler, one-fourth to Nellie H. Kessler, and one-fourth to H. F. Derrick. Protective mechanism for rotating machinery. 2,597,635, May 20.
Grisé, Alfred L., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Separator for removing water from gasoline. 2,597,475, May 20.
Grobl, Jon E.: *See*— Hopkins, George W., and Grobl.
Gross, Herbert L., Parkton, Md. Water kite. 2,597,317, May 20.
Gruenberg, Ivor J., Pleasant Ridge, and L. T. Szady, Detroit, assignors to Formasprag Company, Ferndale, Mich. Sprag for one-way clutches. 2,597,241, May 20.
Gruss, George A., Erie, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army. Jet-propelled rotary airfoil and fuel valve. 2,597,582, May 20.
Gutmann, Paul M., Paris, France. Impact operated toy. 2,597,094, May 20.
Haaky Manufacturing Company, assignee: *See*— Shepardson, Anthony H.
Haase, Hugo B., Sheridan, Wyo. Fly rod spinning reel. 2,597,318, May 20.
Haberland, Ernest R., Washington, D. C. Fluxmeter alarm. 2,596,994, May 20.
Hagar, Ira B.: *See*— Kay, Billy C., and Hagar.
Haislip, Albert S., Fredericksburg, Va. Collapsible camp stove. 2,597,477, May 20.
Hale, Ivan L., Central Point, Oreg. Hook type sawmill log turner. 2,597,319, May 20.
Hales, Everett B., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Balanced demodulator. 2,597,725, May 20.
Hall Brothers, assignee: *See*— Hall, Frederick L.
Hall, Frederick L., assignor to Hall Brothers, Snow Shoe, Pa. Marking knitted fabrics. 2,597,726, May 20.
Hall, Vincent C., Jr.: *See*— Mellen, Glenn L., and Hall.
Hall, William M., Lexington, and H. N. Beveridge, Arlington, assignors to Raytheon Manufacturing Company, Newton, Mass. Radar moving target indicating system. 2,597,636, May 20.
Hamilton National Bank, executor: *See*— Straussberger, John H.

Hamilton, Robert P., River Edge Manor, assignor of one-half to E. C. Wheaton, Rutherford, N. J. Beehive super. 2,596,995, May 20.

Hammon, George L., Berkeley, assignor to National Welding Equipment Co., San Francisco, Calif. Regulator valve. 2,597,478, May 20.

Hammon, George L., Berkeley, assignor to National Welding Equipment Co., San Francisco, Calif. Regulator adjusting mechanism. 2,597,479, May 20.

Hansen, William W., deceased, Stanford University, by O. D. Ross, executrix, Palo Alto, R. H. Varian, Stanford, and S. F. Varian, Menlo Park, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. High-frequency superregenerative apparatus. 2,596,996, May 20.

Hanson, Howard C., Rockton, Ill. Farm and roadside sprayer. 2,597,727, May 20.

Harder, Edwin L., L. F. Stringer, and R. W. Moore, Pittsburgh, Pa., and R. I. Greenwood, Montrose, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,597,095, May 20.

Harding, Arthur T.: *See*—
Friend, Albert W., and Harding.

Hardy, John J., Vernon, Fla. Fish lure. 2,597,792, May 20.

Harmon, Joseph L.: *See*—
Russell, Phillip W., and Harmon.

Harper, Philip S., assignor to Harper-Wyman Company, Chicago, Ill. Gas burner jet flash tube and connector. 2,597,480, May 20.

Harper-Wyman Company, assignee: *See*—
Harper, Philip S.

Harrah, George D., assignor to The Oyler Motor Transit Company, Canton, Ohio. Drive axle mounting for maintaining drive shaft alignment. 2,597,481, May 20.

Harrell, Charles D., Knoxville, Tenn. Clothes-washing machine. 2,597,793, May 20.

Harrington & Richardson Arms Co., assignee: *See*—
Mulno, Lester F.

Harris, Charles M., Holland, Mich. Hitch. 2,597,096, May 20.

Harris Research Laboratories, assignee: *See*—
Brown, Alfred E., Sookne, and Minor.

Harris, Robert L., and M. Lothrop, Berkeley, assignors to Yuba Manufacturing Company, San Francisco, Calif. Steam power plant. 2,596,968, May 20.

Harris Trust and Savings Bank, trustee, assignee: *See*—
Grevich, John J.

Harrison, Harry W., and R. Bassinger, Houston, Tex. Joint. 2,597,482, May 20.

Hart, Harold M.: *See*—
Alford, Andrew, and Hart.

Harter, Clair, Gurnee, Ill., assignor, by mesne assignments, to Flex-O-Glass, Inc. Cutting and forming machine. 2,596,997, May 20.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Strutt, Maximiliaan J. O., and van der Ziel.

Hartwig, Edward C., Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reverse plating timer. 2,597,082, May 20.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. One-piece supporting bracket for tracks for sliding doors. 2,597,147, May 20.

Haven, Charles D., Clear Lake, Ind., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glazing unit. 2,597,097, May 20.

Hawaiian Pineapple Company, Limited, assignee: *See*—
Burgess, George W.

Hawtin, Philip R., Spondon, near Derby, England, assignor to British Celanese Limited. Forming hollow cellulose ester articles. 2,597,098, May 20.

Hayhurst, Ralph H., Auckland, New Zealand. Cutting doweling and like articles. 2,597,099, May 20.

Haythornthwaite, James J.: *See*—
Arundale, John B., and Haythornthwaite.

Hazeltine Research, Inc., assignee: *See*—
James, Emrys G., and Lindell.
Yates, John T., and Vaughan-Jones.

Head, Sidney G., Sr. assignor to J. Stell, Los Angeles, Calif. Nipple valve construction. 2,597,483, May 20.

Hechtl, Max, Brooklyn, N. Y. Cigarette extinguisher and ejector. 2,597,320, May 20.

Hediger, Walter, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Spark plug. 2,597,794, May 20.

Hegeman, Franklyn P., Union, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding of longitudinally curved rollers. 2,597,795, May 20.

Heidenwolf, Hermann, Neumarkt, Styria, Austria. Obstetrical apparatus. 2,597,637, May 20.

Heilig, John K., York, Pa. Screen or storm window. 2,597,484, May 20.

Heinz, H. J., Company, assignee: *See*—
Aiken, Mary E., and Rummel.

Heller, George L.: *See*—
Ekholm, Wesley C., and Heller.

Heller, Paul R.: *See*—
Baudry, René A., and Heller.

Hendlin, David, Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Fermentation process for producing grisein. 2,596,969, May 20.

Henschel, James E.: *See*—
Emmer, Milton, and Henschel.

Hergenrother, Rudolf C., West Newton, Mass. Aircraft approach system. 2,597,321, May 20.

Herrbach, Paul: *See*—
Drisch, Nicolas, and Herrbach.

Hetzel, Henrietta E., assignee: *See*—
Smith, Harry E.

Hewett, James V.: *See*—
Bachman, Gustave B., and Hewett.

Hewitt, George W.: *See*—
Swiss, Jack, and Hewitt.

Hibbard, Lloyd J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Unbalanced tap-changing on rectifier locomotives. 2,597,100, May 20.

Higbie, Howard E., Pittsburgh, Pa., assignor to the United States of America as represented by the Secrtary of the Army. Extrusion die for solventless powder. 2,597,638, May 20.

Higinbotham, William A., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse generator circuit. 2,597,322, May 20.

Hildreth, William A., assignor to W. H. Hurlin, Antrim, N. H. Combination hinge and latch for playpens. 2,597,639, May 20.

Hill, Olva E., assignor to Norton Company, Worcester, Mass. Centerless grinding machine. 2,597,242, May 20.

Hiller Helicopters, assignee: *See*—
Hiller, Stanley, Jr., and Wagner.

Hiller, Stanley, Jr., Menlo Park, and R. A. Wagner, Playa Del Ray, assignors to Hiller Helicopters, San Mateo County, Calif. Crop dusting equipment. 2,597,323, May 20.

Hillyer, Laurence D., Alice, Tex. Weed destroying machine. 2,597,485, May 20.

Hilson, Marion V., Lockland, Ohio. Vehicle brake and throttle operating mechanism. 2,596,998, May 20.

Hindall, Lawrence D., Inglewood, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Electronic cathode gate. 2,597,796, May 20.

Hink, Lester L., Grand Rapids, Minn. Suction screen and foot valve. 2,597,728, May 20.

Hoaglund, Virginia E.: *See*—
MacMasters, Majel M., and Hoaglund.

Hobson, H. M., Limited, assignee: *See*—
Mott, Lawrence F.
Westbury, Roy.
Westbury, Roy, and Tyler.

Hockney, Chester L., Silverlake, Wis. Automatic governor attachment for fishing reels. 2,597,486, May 20.

Hodges, Clarence R., assignor of one-half to Hodges Manufacturing Co., Julesburg, Colo. Cultivator disk sharpener. 2,597,325, May 20.

Hodges, Howard T., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Variable-speed drive. 2,597,324, May 20.

Hodges Manufacturing Co., assignee: *See*—
Hodges, Clarence R.

Hoff, James L.: *See*—
Tama, Manuel Tama, and Hoff.

Hoffstetter, George O., Jerseyville, Ill. Delivery hopper 2,597,326, May 20.

Hollingsworth, Lowell M., Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Measuring device. 2,597,327, May 20.

Holmbeck, John D., assignor to The James Knights Company, Sandwich, Ill. Crystal holder. 2,597,797, May 20.

Holmsten, Neil O., New Rochelle, N. Y. French window lock. 2,597,583, May 20.

Homeyer, Arthur C., Essex Fells, N. J. Heat pump system. 2,597,729, May 20.

Hood, Andrew, Arlington, assignor to The Daven Company, Newark, N. J. Electrical switch. 2,597,083, May 20.

Hook-Flex Company, assignee: *See*—
Markin, Louis.

Hoover Company, The, assignee: *See*—
Beach, Justice H.
Coons, Curtis C.
Kitto, William H.
Martin, Frank A.
McQuilkin, Willard H.
Piper, Glenn T.
Snyder, Eugene L., and Humphrey.

Hopkins, Celestin J., Port Angeles, Wash. Motor vehicle passing signal. 2,597,584, May 20.

Hopkins, Edward W., Longmeadow, Mass., assignor to the United States of America as represented by the Secretary of War. Alternate feed switch for firearms. 2,596,999, May 20.

Hopkins, George W., San Leandro, and J. E. Grobl, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer mechanism. 2,597,487, May 20.

Hopkins, George W., San Leandro, and J. E. Grobl, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer control mechanism. 2,597,488, May 20.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Dual bridge motor control circuit. 2,597,730, May 20.

Horton, E. & Son Company, The, assignee: *See*—
Hunting, Donald B.

Hosea, Everett E., assignor to Kaukauna Machine Corporation, Kaukauna, Wis. Headstock mounting. 2,597,328, May 20.

Hotpoint Inc., assignee: *See*—
Schroeder, George W.

Houdaille-Hershey Corporation, assignee: *See*—
Chisholm, Harry L., Jr.

Houplain, René B., Paris, France. Self-locking device. 2,597,798, May 20.

Howard and Bullough Limited, assignee: *See*—
Arundale, John B., and Haythornthwaite.

Howard, Geoffrey J. E., Eccles, assignor to Harold Moore & Partners (Engineers) Limited, Whyteleafe, England. Controlling the output of variable displacement pumps. 2,597,799, May 20.

Howard, George E., Butler, Pa. Glass melting method and apparatus. 2,597,585, May 20.

Howard, George E., Butler, Pa. Glass melting method. 2,597,640, May 20.

Howe, Eugene E., Bound Brook, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Anion exchange of thiamin salts. 2,597,329, May 20.

Hoy, Edward W., Cleveland, Ohio, assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass. Display stand. 2,597,731, May 20.

Hubacker, Earl F., Muskegon, and G. J. Fleck, Muskegon Heights, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Refrigerator compressor cooling arrangement. 2,597,243, May 20.

Hubbard Spool Company, assignee: *See*—
Tucker, George G., Jr.

Huddleston, Julian, Los Angeles, Calif. Molding prestressed concrete structures. 2,597,084, May 20.

Huddleston, Owen R., Miami, Okla. Folding tray for automobile instrument panels. 2,597,330, May 20.

Hull, Edwin H., Schenectady, and A. F. Winslow, Scotia, N. Y., assignors to General Electric Company. Pressure-operated starting device. 2,597,641, May 20.

Humphrey, Warren A.: *See*—
Snyder, Eugene L., and Humphrey.

Hunter, Ralph W., Jacksonville, Fla. Device to conduct aqueous vapor from radiator to carburetor in water-cooled automotive equipment. 2,597,732, May 20.

Hunting, Donald B., West Hartford, assignor to The E. Horton & Son Company, Windsor Locks, Conn. Body for a chuck having radially movable jaws. 2,597,489, May 20.

Hurd Lock and Manufacturing Company, assignee: *See*—
Dies, Herbert F., and Blackmore.

Hurley, Elmer B., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Adjustable nozzle for coating machines. 2,597,331, May 20.

Hurlin, William H., assignee: *See*—
Hildreth, William A.

Hurxthal, Alpheus O., Wyncote, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Apparatus for treating textile materials. 2,597,490, May 20.

Hussman, Carl, Chicago, Ill. Vibration isolating support. 2,597,244, May 20.

Hussman, Carl, Chicago, Ill. Vibration isolation unit. 2,597,800, May 20.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Anion-exchange resins. 2,597,491, May 20.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Cation-exchange polymers of vinylanisole. 2,597,492, May 20.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Anion-exchange polymers of vinylanisole. 2,597,493, May 20.

Hwa, Jesse C. H., assignor to Rohm & Haas Company, Philadelphia, Pa. Strongly basic anion-exchange polymers of vinylanisole. 2,597,494, May 20.

Hyde, George G., Greenwood Lake, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Metal rectifier bridge. 2,597,000, May 20.

Hydropress, Incorporated, assignee: *See*—
Katz, Francis J.

Iler, Ralph K.: *See*—
Goebel, Max T., and Iler.

Illium Corporation, The, assignee: *See*—
Jackson, John H., and Simmons.

Ingersoll-Rand Company, assignee: *See*—
Dickenson, Ernest H.

Inspiration Mining & Development Company Limited, assignee: *See*—
Pilon, Joseph L., and Beaulier.

International Business Machines Corporation, assignee: *See*—
Mutter, Walter E.
Samuel, Arthur L.

International Harvester Company, assignee: *See*—
Drummond, William D.

International Nickel Company, Inc., The, assignee: *See*—
Cox, Wilfred J., and Tuck.

International Standard Electric Corporation, assignee: *See*—
Brandt, Walter, and Brundage.
Kruithof, Jakob, and Kozma.
Phinney, Edward D., and Reeves.
Scully, Charles T.
Treadwell, Cyril G.

Ipatieff, Vladimir N.: *See*—
Pines, Herman, and Ipatieff.

Irwin, Tracy K., Los Angeles, Calif. Detachable holder for bottles or the like. 2,597,642, May 20.

Izard, Emmette F., Kenmore, and L. A. Auspos, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of highly polymeric linear polymethylene terephthalates in solution and precipitation thereof. 2,597,643, May 20.

J & S Carburetor Co., assignee: *See*—
Jones, Sam P.

Jackson, Foster C., Middleboro, Mass. Antenna mount. 2,597,733, May 20.

Jackson, John H., and O. W. Simmons, Columbus, Ohio, assignors, by mesne assignments, to The Illium Corporation, Freeport, Ill. Hot workable nickel alloy. 2,597,495, May 20.

Jaffe, Bernard M., New York, N. Y. Flash analyzer. 2,597,001, May 20.

James, Emrys G., and A. O. E. Lindell, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Electrical crystal contact device. 2,597,734, May 20.

Janes, Alexander L., Jr., St. Paul, Minn. Stool. 2,597,332, May 20.

Janness, William E.: *See*—
Lacy, Kenneth B., and Janness.

Jasper, Cletus L., Knoxville, Tenn. Dirigible vehicle. 2,597,101, May 20.

Jeffrey, Clarence L., Fairfield, Ill. Earth mover and loader. 2,597,496, May 20.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.

Jellinek, Curt, County of Glamorgan, Wales, now by judicial change of name C. M. Elliott. Suction hydro-extractor. 2,597,801, May 20.

Jensen, Aage, Racine, Wis. Sanding head. 2,597,102, May 20.

Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Lawn mower. 2,597,735, May 20.

Jindřich, Václav, Melnik, near Prague, Czechoslovakia. Hammer mill with adjustable grater. 2,597,333, May 20.

Johnson, Andrew H., Shreveport, La. House marker. 2,597,003, May 20.

Johnson Biscuit Company, assignee: *See*—
Watson, Nathan J.

Johnson, Carl G.: *See*—
Kenney, Mahlon W., and Johnson.

Johnson, Edwin L., and E. J. Scofield, Ottawa, Kans. Live bait container. 2,597,002, May 20.

Johnson, John M., and B. P. Leaf, Lindsborg, Kans. Body and fender straightening tool. 2,597,103, May 20.

Johnson, Kermit F., and A. H. Eggert, assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Starting device for outboard motors. 2,597,334, May 20.

Johnson, Paul W., Bloomfield, Conn. Wheel type screw thread gauge. 2,597,644, May 20.

Jones, Hubert O., Nogales, Ariz. Hackamore. 2,597,736, May 20.

Jones, Ruel C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Safety control system for motors. 2,597,104, May 20.

Jones, Sam P., assignor to J & S Carburetor Co., Dallas, Tex. Fuel carbureting apparatus. 2,597,335, May 20.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for use in the manufacture of shoes. 2,597,004, May 20.

Joris, George G., Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Purification of crude phenol-acetone mixtures. 2,597,497, May 20.

Joseph, Roy A., Petaluma, Calif. Egg washing machine. 2,597,148, May 20.

Joy Manufacturing Company, assignee: *See*—
Curtis, John C.
Morrow, John D. A.

Jugle, Leonard L.: *See*—
Cook, John B., and Jugle.

Julian, John D., Marion, Ind. Easy chair. 2,597,105, May 20.

Kahan, Theodore, assignor to Office National d'Etudes et de Recherches Aéronautiques, Paris, France. Ultra-high-frequency magnetometer. 2,597,149, May 20.

Kallenborn, John, Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Electrically conductive stripe applicator. 2,597,106, May 20.

Kappe, Stanley E., Yorktowne, Md. Apparatus for treating liquid sewage and the like. 2,597,802, May 20.

Karcher, Floyde J. F., executrix, assignee: *See*—
Field, Lloyd M.

Karwacki, Joseph, assignee: *See*—
Tracy, Clarence S.

Katz, Francis J., now by change of name to F. J. Kent, Forest Hills, assignor to Hydropress, Incorporated, New York, N. Y. Hydraulic press speed control mechanism. 2,596,988, May 20.

Kaukauna Machine Corporation, assignee: *See*— Hosea, Everett E.

Kay, Billy C., and I. B. Hager, Hermitage, Tenn. Variable-depth remote-controlled fishing float. 2,597,737, May 20.

Kayser, Julius, & Co., assignee: *See*— Straussberger, John H.

Kearney, James R., Corporation, assignee: *See*— Runde, Kenneth R.

Kebrich, Leonard M., Brooklyn, assignor to National Lead Company, New York, N. Y. Rust inhibitive lead pigments. 2,597,645, May 20.

Kell, Henry P., assignor to The Fixture Hardware Corporation, Chicago, Ill. Drive and control means for sheet feeding rollers in duplicating apparatus. 2,597,804, May 20.

Kelper, Phillip C., Shrewsbury, and W. H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator control system. 2,597,586, May 20.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission and control mechanism therefor. 2,597,245, May 20.

Kellogg, M. W., Company, The, assignee: *See*— Lobo, Walter E., and Skaperdas, Passino, Herbert J., and Rubin.

Kelly, Michael H., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Mold shakeout apparatus. 2,597,246, May 20.

Kelsey, Cadwallader W., Troy, N. Y. Rotary soil-working device. 2,597,107, May 20.

Kelsey-Hayes Wheel Company, assignee: *See*— Kelly, Michael H.

Kelvin & Hughes Limited, assignee: *See*— Reilly, Hugh L., Scrimshaw, and Bone.

Kemmerer, Clarence H., Emmaus, Pa. Guide means for wood shapers. 2,597,646, May 20.

Kemper, John E., Los Angeles, Calif. Ceramic tool. 2,597,336, May 20.

Kenco Products Corporation, assignee: *See*— Steele, Vernon P.

Kendall, James M., Coral Hills, Md., assignor to Geophysical Research Corporation, New York, N. Y. Calibrating microphones. 2,597,005, May 20.

Kenney, Mahlon W., Oak Park, and C. G. Johnson, assignors to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,597,803, May 20.

Kent, Francis J.: *See*— Katz, Francis J.

Kephart, A. Evans, assignee: *See*— Bonglovanni, Antonio.

Kephart, John W., Jr., assignee: *See*— Bonglovanni, Antonio.

Kerkhoff, Joseph V., South Fort Mitchell, Ky. X-ray tube. 2,597,498, May 20.

Kerr, Wallace E., Youngstown, Ohio. Drawing tubes. 2,597,499, May 20.

Kerr, Wallace E., Youngstown, Ohio. Apparatus for drawing elongated metal objects. 2,597,500, May 20.

Kershaw, Knox, Montgomery, Ala. Railway track tool. 2,597,337, May 20.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-substituted amino-ethanols. 2,597,247, May 20.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-substituted amino-ethanols. 2,597,248, May 20.

Kessler, Lee H., assignee: *See*— Grisdale, George W., Jr.

Kessler, Merrill, Oakland, Calif., assignor to Aristocrat Manicuring Company. Power-driven manicuring device. 2,597,525, May 20.

Kessler, Merrill, Oakland, Calif., assignor to Aristocrat Manicuring Company. Rotary manicuring instrument. 2,597,526, May 20.

Kessler, Nellie H., assignee: *See*— Grisdale, George W., Jr.

Kessler, Norman H., assignee: *See*— Grisdale, George W., Jr.

Key, Claude L., Milton, Oreg. Grading apparatus. 2,597,108, May 20.

Kilian, Jerome J., Minneapolis, Minn. Knife blade sharpener. 2,597,150, May 20.

Killefer, John Deere Company, assignee: *See*— McKay, William R., and Mitchell.

Kilmister, Wallace: *See*— Boseley, William, and Kilmister.

King, H. A., assignee: *See*— Peirce, Thomas H.

King, H. A., Company, assignee: *See*— Peirce Thomas H.

Kingston Products Corporation, assignee: *See*— Drury, Thomas W., Weber, and Loro.

Kitto, William H., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Electric toaster. 2,597,805, May 20.

Kile, August H. D., Staten Island, N. Y. Fishing bobber. 2,597,836, May 20.

Kling, Fred E., Youngstown, Ohio, assignor to H. A. Brassert & Company, New York, N. Y. Blast furnace support. 2,597,501, May 20.

Klyce, Stephen D.: *See*— McDonald, John J., and Klyce.

Knights, James, Company, The, assignee: *See*— Holmbeck, John D.

Knutsen, Knut A., assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France. Storing and comparing arrangement for collating and the like machines. 2,597,647, May 20.

Koenig, Joseph J., St. Louis, F. G. Erskine, Kirkwood, and A. R. McManus, assignors to Gaylord Container Corporation, St. Louis, Mo. Water-insoluble adhesive composition. 2,597,006, May 20.

Koenig, Oscar F.: *See*— Rickner, George E., and Koenig.

Kohring, Wilbur M., Lakewood, Ohio, assignor to Wilkor Products, Inc. Resistance. 2,597,338, May 20.

Kolisman, Paul, New York, N. Y. Thermodynamic engine. 2,597,249, May 20.

Kolisman, Paul, New York, N. Y. Apparatus for filling writing implements. 2,597,250, May 20.

Konet, Henry, Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Compensated vertical gyroscope system. 2,597,151, May 20.

Koos, John W., deceased, Detroit, Mich.; V. W. Koos, administrator. Telescoping fishing rod. 2,597,738, May 20.

Koos, Victor W., administrator: *See*— Koos, John W.

Kornmayer, Frank J., assignor of forty-five per cent to A. H. Gemeinhardt, Chicago, Ill. Holding and guide means for mortising drills. 2,597,152, May 20.

Kozanowski, Henry N.: *See*— Millspaugh, Frederick W., and Kozanowski.

Kozma, Ladislas: *See*— Kruithof, Jakob, and Kozma.

Kroehler Mfg. Co., assignee: *See*— Stauffer, Edward J.

Kropp Forge Company, assignee: *See*— Kropp, Roy A.

Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Brake system for vehicles. 2,597,109, May 20.

Kruithof, Jakob, Antwerp, Belgium, and L. Kozma, Budapest, Hungary, assignors to International Standard Electric Corporation, New York, N. Y. Common control circuit for operating switches rearward to calling line. 2,597,007, May 20.

Krutter, Harry, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Directional antenna. 2,597,339, May 20.

Kuder, Robert C.: *See*— Boutelle, Allen O., and Kuder.

Kuper, James B. H., Redding, Conn., and M. C. Waltz, Damariscotta, Maine, assignors, by mesne assginments, to the United States of America as represented by the Secretary of War. Ultrahigh-frequency noise generator. 2,597,340, May 20.

Kutchukian, Nourhan, Bois-Colombes, France. Combination timing and computing apparatus. 2,597,341, May 20.

Kut-Kwick Tool Corporation, assignee: *See*— McKinstry, Alston R.

La Cellophane, assignee: *See*— Drisch, Nicolas, and Herrbach.

Lackey, Alan D.: *See*— Skillman, Thomas S., and Lackey.

Lacy, Kenneth B., Highland Park, and W. E. Janness, Wheeling, assignors to Lighting Products, Inc., Highland Park, Ill. Electric lighting fixture for elongated tubular lamps. 2,597,739, May 20.

Lacy, Robert, Baltimore, Md. Marine structure. 2,597,110, May 20.

Lagarde, Georges H., La Varenne, and J. Bulota, St. Maur, assignors to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Welding through pressure. 2,597,153, May 20.

L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*— Lagarde, Georges H., and Bulota.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Compressible fastener. 2,597,342, May 20.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Connected strip of fastener units. 2,597,343, May 20.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Driven fastener and making the same. 2,597,344, May 20.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Fluid clutch with servo engagement. 2,597,502, May 20.

Larsen, Delmar H., West Hollywood, assignor to National Lead Company, Los Angeles, Calif. Employment of nonaqueous well drilling fluids. 2,597,085, May 20.

Larsson, John L. A., Nockeby, near Stockholm, Sweden. Shaking screen. 2,597,503, May 20.

Larsson, Markus, assignor to F. G. Liljenroth, Stockholm, Sweden. Extracting uranium from bituminous shales and shale culm containing uranium. 2,597,504, May 20.

Lathers, William C., Jr., Madison, Wis. Plant guard for cultivators. 2,597,111, May 20.

Lavarack, Frederick C.: *See*— Brown, Harold J., and Lavarack.

La Viano, Michael J.: *See*— White, Ezekiel F., and La Viano.

Lawson, E. P., Co. Inc., assignee: *See*— Seybold, Frederick W.

Leaf, Bernard P.: *See*— Johnson, John M., and Leaf.

Lee, Aaron, and E. Lieberman, Miami Beach, Fla. Freezing ice in small masses. 2,597,008, May 20.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Underground loading machine, including a flexible trough. 2,597,345, May 20.

Lee, Robert J.: *See*— May, Paul D., and Lee.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Effecting the conversion of organic reactant streams. 2,597,346, May 20.

Lelmer, George C., Chicago, Ill. Holder for towels and the like. 2,597,112, May 20.

Leland Stanford Junior University, The Board of Trustees of the, assignee: *See*— Hansen, William W., Varian and S. F.

Lens-Block Corporation, assignee: *See*— Suben, Morten.

Libbey-Owens-Ford Glass Company, assignee: *See*— Haven, Charles D. Rickner, George E., and Koenig.

Lieberman, Eli: *See*— Lee, Aaron and Lieberman.

Lighting Products, Inc., assignee: *See*— Lacy, Kenneth B., and Janness.

Liljenroth, Frans G., assignee: *See*— Larsson, Markus.

Lindell, Aubrey O. E.: *See*— James, Emrys G., and Lindell.

Lindkvist, Knut V., Stockholm, Sweden. Tube vibrator. 2,597,505, May 20.

Lindsay, Alexander R., Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Open automobile body. 2,597,837, May 20.

Lingenbrink, Hermann E. F. C., Hilltown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Phonograph apparatus. 2,597,113, May 20.

Lintz, Ervin E., Millington, Mich. Station and street announcer and advertising machine. 2,597,114, May 20.

Lipe-Rollway Corporation, assignee: *See*— Root, Robert S.

Little, Arthur D., Inc., assignee: *See*— Eaton, Samuel E., and Fabian. Wood, Harry P.

Lobo, Walter E., Westfield, N. J., and G. T. Skaperdas, New York, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J. Dehydration of alcohols. 2,597,009, May 20.

Lommen, Robert M., Lombard, Ill., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Time-delay relay system. 2,597,347, May 20.

Lonergan, J. E., Company, assignee: *See*— Bergquist, Theodore W.

Longacre, Andrew, Exeter, N. H., and E. C. Pollard, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Range height indicator. 2,597,348, May 20.

Longmire, Conrad L., Boston, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Radio navigational device. 2,597,349, May 20.

Loro, Eugene F.: *See*— Drury, Thomas W., Weber, and Loro.

Lothrop, Marcus: *See*— Harris, Robert L., and Lothrop.

Louzos, Demetrios V.: *See*— Coleman, Joseph J., and Louzos.

Lowe, Warren, W. T. Stewart and J. O. Clayton, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Lubricant containing selenium compounds. 2,597,838, May 20.

Lownes, Robert P.: *See*— Seidel, Stephen G., and Lownes.

Lucas, James J., assignor to Barber-Colman Company, Rockford, Ill. Machine for forming cutters. 2,597,648, May 20.

Lucas, Junious G., Madrid, Iowa. Sediment test card. 2,597,350, May 20.

Lüdi, Fritz, Baden, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Ultra-short wave electron tube. 2,597,506, May 20.

Lundstrum, Allan W., Anderson, Ind. Clothes drier. 2,597,115, May 20.

Lustgarten, Abraham, New York, N. Y. Panty girdle combination. 2,597,587, May 20.

Lyle, Joel I., III, Orlando, Fla. Tree pulling arrangement. 2,597,740, May 20.

Lyle, Lowell A., Jr.: *See*— Tucker, Charles, and Lyle.

Lyon, George A., Detroit, Mich. Making wheel covers. 2,597,010, May 20.

Macbeth, Allan, Fernhurst, England. Scaffolding clip or clamp. 2,597,649, May 20.

Maccaferri, Mario, Rye, N. Y. Stringed musical instrument. 2,597,154, May 20.

Macey, Joseph H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Electrical-conductive rubbery composition and making same. 2,597,741, May 20.

Machado, Anthony B., and G. Plunkett, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc. Auxiliary tens-transfer control mechanism. 2,597,507, May 20.

Machlis, Samuel: *See*— Michaels, Edwin B., and Machlis.

MacKenzie, Douglas M., Toronto, Ontario, Canada. Clothesline connector and tightener. 2,597,351, May 20.

MacMasters, Majel M., and V. E. Hoaglund, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of starch sponge. 2,597,011, May 20.

MacNichol, Edward F., Jr., Wenham, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Decoding device. 2,597,352, May 20.

MacNichol, Edward F., Jr., Wenham, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Sweep and range circuit. 2,597,353, May 20.

Madeira, Percy C., Jr., executor: *See*— Stokes, John S.

Maehren, George B., Seattle, Wash. Spring-operated spray gun. 2,597,650, May 20.

Mahoney, Thomas R., Greenville, Ohio. Rotary hoe wheel. 2,597,742, May 20.

Majewski, Frank, Niles, Ill. Ear protector. 2,597,508, May 20.

Mallory, Sterling D., Birmingham, Ala. Coat hanger shoulder shield. 2,597,509, May 20.

Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Water heater thermostat. 2,597,651, May 20.

Maloney, Henry B., Lynn, assignor to Sylvania Electric Products Inc., Salem, Mass. Filament transfer and mounting apparatus for lamp stems. 2,597,354, May 20.

Mancia, Henri: *See*— Mégel, Guillaume E., and Mancia.

Manegold, Robert L., Shorewood, and I. H. Wynne, Milwaukee, assignors to Dings Magnetic Separator Co., Milwaukee, Wis. Magnetic separation. 2,597,652, May 20.

Manoil, Jack, assignor to Manoil Manufacturing Co., Inc., Waverly N. Y. Toy vehicle wheel and axle. 2,597,588, May 20.

Manoil Manufacturing Co., Inc., assignee: *See*— Manoil, Jack.

Mansfield, Warren M., Glendale, Calif., assignor to Cutter Corporation, Dover, Del. Razor type hair trimmer. 2,597,653, May 20.

Mansoff, Arthur P., Dauphin, Manitoba, assignor of one-tenth to O. C. Steele, Kelowna, British Columbia, Canada. Vaporizer for internal-combustion engines. 2,597,251, May 20.

Marbury, Ralph E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High voltage protective gap device. 2,597,012, May 20.

Marchetti, John W., Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War. Pulse modulator circuit. 2,597,013, May 20.

Margolis, John A., assignee: *See*— Seidel, Stephen G., and Lownes.

Mariani, Frank N., Washington Heights, New York, N. Y. Tank cap. 2,597,014, May 20.

Marien, Clement, Attleboro, Mass., assignor to Swank, Inc. Belt buckle. 2,597,155, May 20.

Markin, Louis, assignor, by mesne assignments, to Hook-Flex Company, Chicago, Ill. Fabrication of garment fastening element. 2,597,654, May 20.

Marks, Joseph D.: *See*— Cassidy, John D., and Marks.

Marsal, Paul A., Rocky River, and R. P. Fox, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Air depolarized cell. 2,597,116, May 20.

Marson, George J., East Williston, N. Y. Oxygen tent canopy. 2,597,655, May 20.

Martin, Frank A., Akron, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner hose. 2,597,806, May 20.

Martin, Mervin E., and L. G. Reed, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of cellulose esters. 2,597,156, May 20.

Martin, William E., Kewanee, Ill. Turret top luggage compartment. 2,597,656, May 20.

Martino, Albert B. F., assignee: *See*— Martino, William C.

Martino, Ernest, assignee: *See*— Martino, William C.

Martino, William C., assignor of thirty per cent to E. Martino and thirty per cent to A. B. F. Martino, Philadelphia, Pa. Portable knockdown article supporting device. 2,597,157, May 20.

Mastripolito, Philip J., Philadelphia, Pa. Chamfer attachment for hand planes. 2,597,158, May 20.

Masuy, Rodolphe, Signy-le-Petit, France. Setwork for regulating the thickness of the boards cut off in reciprocating-carriage sawmills. 2,597,355, May 20.

Mathisen, Martin H., North Hollywood, Calif. Safety load equalizing and draft stabilizing coupling device for automobile towed trailers. 2,597,657, May 20.
Matthias, Bernd T., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical device. 2,597,589, May 20.
Mattucci, Guido, New York, N. Y. Color correction gauge. 2,597,658, May 20.
Maurice, Jean, Ablon, France, assignor to Societe Anonyme Francaise Du "Ferodo." Disk clutch. 2,597,356, May 20.
Mavor & Coulson, Limited, assignee: *See*—
Mavor, John B.
Mavor, John B., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Prop-withdrawing apparatus for use in mines. 2,597,807, May 20.
May, John W., assignor to Deering Milliken Research Trust, Pendleton, S. C. Spindle. 2,597,015, May 20.
May, Paul D., Galveston, and R. J. Lee, La Marque, assignors to Pan American Refining Corporation, Texas City, Tex. Condensation of aromatic hydrocarbons with formaldehyde catalyzed by formic acid. 2,597,159, May 20.
McBee, Earl T., and J. S. Newcomer, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Preparation of trichlorovinylpentachlorocyclopentadiene. 2,597,016, May 20.
McBride, Edward J., Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Blade element for rotary fluid machines. 2,597,510, May 20.
McCargar, George L., Detroit, Mich. Packaging machine. 2,597,120, May 20.
McCormick, Hamilton L., Carmel, assignor to Fletcher Trust Company, trustee, Indianapolis, Ind. Generator speed control. 2,597,357, May 20.
McCouch, Gordon P., Boonton, N. J., and D. K. Reynolds, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Panoramic receiver. 2,597,358, May 20.
McCoy, Lawrence, Riverton, Wyo. Scraper and apron actuating mechanism. 2,597,659, May 20.
McCoy, Robert L., Baltimore, Md., assignor to General Electric Company. Combined grading and corona shield. 2,597,590, May 20.
McCullough Tool Company, assignee: *See*—
Tow, James O.
McDonald Company, The, assignee: *See*—
McDonald, John J., and Klyce.
McDonald, John J., Newton, and S. D. Klyce, Lexington, assignors to The McDonald Company, Boston, Mass. Dishwashing apparatus. 2,597,359, May 20.
McGoldrick, William J., Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,597,789, May 20.
McGraw Electric Company, assignee: *See*—
Olving, Bror G.
McGuinness, Walter L., Waltham, Mass. Antiskid device for automobile tires and the like. 2,597,160, May 20.
McIntyre, Jean F.: *See*—
Pleydell, Albert, R., and McIntyre.
McKay, William R., Compton, and R. H. Mitchell, Huntington Park, Calif., assignors to John Deere Killefer Company. Offset disk harrow. 2,597,121, May 20.
McKeag, Alfred H., and P. W. Ranby, North Wembly, England, assignors to General Electric Company. Zinc sulfide type phosphors. 2,597,660, May 20.
McKinney, James F., Aurora, Ill. Spring mounted vehicle seat. 2,597,252, May 20.
McKinstry, Alston R., assignor to Kut-Kwick Tool Corporation, Brunswick, Ga. Portable power saw for cutting timber or the like. 2,597,017, May 20.
McManus, Albert R.: *See*—
Koenig, Joseph J., Erskine, and McManus.
McQuilkin, Willard H., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner nozzle with rocking lever type adjustable brush. 2,597,808, May 20.
McPhee, Duncan S., Seattle, Wash. Apparatus for scribing dental models. 2,597,661, May 20.
Mead, William H., assignee: *See*—
Bishop, Lewis H., and Finn.
Mechanical Handling Systems Inc., assignee: *See*—
Mullen, Edward, and Garman.
Mégel, Guillaume E., and H. Mancia, assignors of one-half to Usines Tornos Fabrique de Machines Moutier S. A., Moutier, Switzerland. Bearing structure. 2,597,161, May 20.
Mehan, Thomas O., and G. J. Uhlig, Park Ridge, assignors to Victor Adding Machine Co., Chicago, Ill. Columnar selection carriage. 2,597,162, May 20.
Melamed, Louis, M. U. Greenberg, and I. J. Swartzman, Brooklyn, N. Y. Portable self-contained reading lamp. 2,597,662, May 20.
Melchior, Effie B., assignee: *See*—
Melchior, Frederick C.
Melchior, Frederick C., assignor of one-half to E. B. Melchior, New York, N. Y. Jet propulsion nozzle. 2,597,253, May 20.
Mellen, Glenn L., Framingham Center, and V. C. Hall, Jr., West Roxbury, assignors to National Research Corporation, Cambridge, Mass. Selectively demetalizing condenser paper. 2,597,511, May 20.
Meohas, Isaac, Long Beach, Calif. Hair clamp. 2,597,254, May 20.
Merck & Co., Inc., assignee: *See*—
Hendlin, David.
Howe, Eugene E., and Tishler.
Sarett, Lewis H.
Merker, Robert L., Washington, D. C., and C. R. Singleterry, Arlington, Va. Lubricant. 2,597,018, May 20.
Metal Closures Limited, assignee: *See*—
Webb, Edward T.
Michaels, Edwin B., Stamford, Conn., and S. Machlis, New Rochelle, N. Y. Heat-resistant nylon cloth produced by reaction with quinones. 2,597,163, May 20.
Michard, Louis M., Fontenay Aux Roses, assignor to Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Engine cowl for aircraft. 2,597,663, May 20.
Miessner, Benjamin F., Morristown, N. J. Antileak fountain pen. 2,597,664, May 20.
Miglarese, John, Cincinnati, Ohio, assignor to The United States Leather Company, New York, N. Y. Manufacture of syntans. 2,597,809, May 20.
Mikina, Stanley J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Helicopter control system. 2,597,164, May 20.
Miller, David C., Cleveland Heights, Ohio, assignor to General Electric Company. Starting and operating circuit and device for electric discharge devices. 2,597,591, May 20.
Miller Printing Machinery Co., assignee: *See*—
Upham, Burt F.
Mills, Irwin F., Associates, assignee: *See*—
Beder, Samuel L.
Millspaugh, Frederick W., Haddonfield, and H. N. Kozanowski, Audubon, N. J., assignors to Radio Corporation of America. Synchronizing system. 2,597,743, May 20.
Milsted, W. H., trustee, assignee: *See*—
Grevich, John J.
Minder, George A., Bremerton, Wash. Mold for shaping and amalgamating food products. 2,597,592, May 20.
Miner, W. H., Inc., assignee: *See*—
Dath, George E., and Milcahy.
Haseltine, Stacy B.
Withall, William E.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
McGoldrick, William J.
Underwood, Orville J.
Minneapolis-Moline Company, assignee: *See*—
Simpson, William F.
Minor, Francis W.: *See*—
Brown, Alfred E., Sookne, and Minor.
Minturn, Franklin J., Toms River, N. J. Condiment dispenser. 2,597,165, May 20.
Missouri Automatic Control Corporation, assignee: *See*—
Garner, Claude M., and Allan.
Mitchell, Roilie H.: *See*—
McKay, William R., and Mitchell.
Mixon, Lawson W.: *See*—
Roberts, Edward N., and Mixon.
Moe Brothers Manufacturing Company, assignee: *See*—
Boutelle, Allen O., and Kuder.
Mohnkern, Gerald E.: *See*—
Chenault, Roy L., and Mohnkern.
Montabone, Oscar, assignor to Fiat S. A., Turin, Italy. Device for circulating cooling water in internal-combustion engines. 2,597,512, May 20.
Moon, Robert J., Chicago, Ill., assignor to the United States of America as represented by the Secretary of War. Electron ratchet tube. 2,597,360, May 20.
Moore, Harold, & Partners (Engineers) Limited, assignee: *See*—
Howard, Geoffrey J. E.
Moore, Raymond W.: *See*—
Harder, Edwin L., Stringer, Moore, and Greenwood.
Morgan, Erving B., and A. J. Plachecki, assignors to American Seating Company, Grand Rapids, Mich. Seat supporting bracket. 2,597,255, May 20.
Morrill, Frank B., and D. S. Warner, North Adams, Mass. Reel. 2,597,839, May 20.
Morrison, Ella P., executrix: *See*—
Morrison, Samuel O.
Morrison, Samuel O., deceased, Media, Pa.; E. P. Morrison, executrix, assignor to Sunroc Refrigeration Company, Dover, Del. Tube-in-tube heat transfer unit. 2,597,744, May 20.
Morrison, Samuel O., deceased, Media, Pa.; E. P. Morrison, executrix, assignor to Sunroc Refrigeration Company, Dover, Del. Refrigerator and stove. 2,597,745, May 20.
Morrow, John D. A., Sewickley, Pa., assignor to Joy Manufacturing Company. Timber setting machine. 2,597,086, May 20.
Mosher, Roland R., Jackson, Mich. Reversible rotary fluid coupling. 2,597,527, May 20.
Motorola, Inc., assignee: *See*—
Fyler, George W.
Noble, Daniel E.
Parks, William J.

Mott, Lawrence F., Walton, Stone, assignors to H. M. Hobson Limited, London, England. Hydraulic servomotor and the like. 2,597,361, May 20.
Moyer, Wendell W., Camas, Wash., and W. F. Allen, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Nutrient adjunct for the preparation of streptomycin. 2,597,019, May 20.
Mulcahy, Harry W.: *See*—
Dath, George E., and Mulcahy.
Mullaney, Ralph A.: *See*—
Gerber, George A., and Mullaney.
Mullen, Edward, and L. H. Garman, assignors to Mechanical Handling Systems Inc., Detroit, Mich. Air spring dual wheel running gear. 2,597,122, May 20.
Mulno, Lester F., assignor to Harrington & Richardson Arms Co., Worcester, Mass. Magazine fastening device for shotguns. 2,597,746, May 20.
Mumberg, Fritz H., Philadelphia, Pa. Thermometer. 2,597,362, May 20.
Murphy, Robert H., West Hartford, and F. P. D'Esopo, assignors to The Wiremold Company, Hartford, Conn. Connection device for open front conduits. 2,597,513, May 20.
Murray, Ernest E., Birmingham, Mich. Polishing belt control means. 2,597,256, May 20.
Murray, Jack W., Salem, Wis. End bracket for utility stands. 2,597,166, May 20.
Musyl, Robert, Vienna, Austria. Machine for grinding the main bearing pins and crankpins of crankshafts. 2,597,167, May 20.
Mutter, Walter E., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Cathode-ray storage tube. 2,597,363, May 20.
Myers, Harold L., Morristown, N. J. Container having slide-operated fold-back covers. 2,597,810, May 20.
Naef, Alfred H., and J. P. Smith, Jr., Chatham, assignors to Daven Company, Newark, N. J. Totalizer and calculator. 2,597,123, May 20.
Nash, Gerald J., Wichita Falls, Tex. Overload torque release mechanism. 2,597,514, May 20.
Nash, Ralph W. E., Nashua, N. H. Bag-filling device. 2,597,364, May 20.
National Acme Company, The, assignee: *See*—
Drissner, Alfred E.
National Equipment Corporation, assignee: *See*—
Perkins, George S.
National Lead Company, assignee: *See*—
Kebrich, Leonard M.
Larsen, Delmar H.
National Publishing Company, assignee: *See*—
Squires, Richard.
National Research Corporation, assignee: *See*—
Mellen, Glenn L., and Hall.
National-Standard Company, assignee: *See*—
Rinehart, Lloyd R.
National Welding Equipment Co., assignee: *See*—
Hammon, George L.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Aron, Walter A.
Busacker, John W.
Clapp, Roger E.
Hales, Everett B.
Sreb, Jules H.
Woodbury, Roger B.
Neal, James, Sr., Detroit, Mich. Holdup signaling device. 2,597,556, May 20.
Nelson, Donald O.: *See*—
Stamper, Hamilton A., Nelson, and Wippert.
Neuner, Carl J., Buffalo, N. Y. Dispensing container with detachable spout nestable in said container in nonuse position. 2,597,593, May 20.
Nevin, Ira: *See*—
Fader, Arthur I., and Nevin.
Newcomer, Jack S.: *See*—
McBee, Earl T., and Newcomer.
Newman, Thomas, Anderson, Ind. Change container. 2,597,365, May 20.
Nicholls, Malcolm B., Cincinnati, Ohio, assignor, by mesne assignments, to Revere Corporation of America, Inc., Wallingford, Conn. Thermocouple. 2,597,665, May 20.
Nissen, James M., Los Altos, Calif. Control mechanism for rudder and propeller feathering control. 2,597,020, May 20.
Nissley, Claude J., Telford, Pa. Nail extractor for mechanical hammers. 2,597,594, May 20.
Nitsch, John M., Tuscaloosa, Ala. Automatic machine for freezing spiral ice chips. 2,597,515, May 20.
Noble, Daniel E., Elmhurst, assignor to Motorola, Inc., Chicago, Ill. Bus progress control system. 2,597,517, May 20.
Noe, Frank, Plainville, assignor to The Fafnir Bearing Company, New Britain, Conn. Journal bearing. 2,597,516, May 20.
Nohr, Allen, Milwaukee, Wis. Tobacco smoking device. 2,597,124, May 20.
Nolan, John J., Jr., assignor to The Central Foundry Company, New York, N. Y. Metal pouring apparatus for feeding molten metal into centrifugal molds. 2,597,811, May 20.
Nordenstam, Norris, Riverside, Calif. Lawn sprinkler. 2,597,366, May 20.
Norris, Edward O., Westport, Conn. Centrifugal spray coating apparatus. 2,597,021, May 20.
North American Aviation, Inc., assignee: *See*—
Perkins, Gerald S., Vogt, and Weber.
North, Charles W., Excelsior, Minn. Optical bench. 2,597,168, May 20.
Northrop Aircraft, Inc., assignee: *See*—
Ashkenas, Irving L.
Hindall, Lawrence D.
Tucker, Charles, and Lyle.
Norton Company, assignee: *See*—
Hill, Oiva E.
Nowak, Alois K., Evanston, Ill. Hydraulic press in which the thrust of the ram and the reaction of the slide bar are equalized. 2,597,169, May 20.
Noxon, Paul A., Tenafly, assignor to Bendix Aviation Corporation, Teterboro, N. J. Earth induction system. 2,597,125, May 20.
Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric switch. 2,597,257, May 20.
Nyman, John A., Juneau, Alaska. Ventilating attachment for the sweatband of hats or caps. 2,597,367, May 20.
Oberholtz, Anthony, assignee: *See*—
Roper, Perry R.
O'Brien, Francis M., St. Petersburg, Fla. Thread nipper. 2,597,519, May 20.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Automatic volume control circuits. 2,597,520, May 20.
Oday, Arthur B., Cleveland Heights, and A. C. Barr, Shaker Heights, Ohio, assignors to General Electric Company. Movable contact base. 2,597,666, May 20.
Office National d'Etudes et de Recherches Aéronautiques, assignee: *See*—
Kahan, Theodore.
Okey, Perry, assignor to General Lens Co., Columbus, Ohio. Machine for use in producing one-piece multifocal ophthalmic lens blanks. 2,597,022, May 20.
Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Bennett, Charles E.
Olaer Marine, assignee: *See*—
Audemar, Pierre G. J. M.
Oldal, Frank, Yonkers, N. Y. Key retaining buckle. 2,597,170, May 20.
Oliver Corporation, The, assignee: *See*—
Altgelt, Rudolph J., and Gemberling.
Olving, Bror G., assignor to McGraw Electric Company, Elgin, Ill. Automatic electric toaster. 2,597,023, May 20.
Oppel, John A., Aldan, Pa., assignor to General Electric Company. Circuit restorer. 2,597,024, May 20.
Ordas, Arthur F., Huntertown, Ind., assignor to General Electric Company. Recessed ceiling fixture having magnetically attachable and adjustable light source. 2,597,595, May 20.
Orth, George O., Jr., Seattle, Wash., assignor to Armour and Company, Chicago, Ill. Potentially reactive aromatic diisocyanate-water resinous reaction product and preparing. 2,597,025, May 20.
Oteri, Antonio, assignee: *See*—
Bongiovanni, Antonio.
Otto, Julian A., Long Island City, and E. E. Gilbert, Flushing, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Chlorine containing condensation products of phenols and sulfonated acetaldehydes. 2,597,171, May 20.
Oyler Motor Transit Company, The, assignee: *See*—
Harrah, George D.
Page, Robert G., New Britain, Conn., assignor, by mesne assignments, to General Electric Company. Switching member for circuit breakers. 2,597,368, May 20.
Pahl, Leo F.: *See*—
Day, Carl L., and Pahl.
Palatnick, Aaron, Bronx, N. Y. Mirror means for gas jet viewer for oven gas flames. 2,597,667, May 20.
Pan American Refining Corporation, assignee: *See*—
May, Paul D., and Lee.
Papp, Andrew, Grafton, Ohio, assignor to Regis Plastics. Blade and handle combination. 2,597,258, May 20.
Parker, Jetro, Pine Bluff, Ark. Illuminating cane. 2,597,172, May 20.
Parks, William J., assignor to Motorola, Inc., Chicago, Ill. Vehicle detecting system. 2,597,518, May 20.
Passino, Herbert J., Englewood, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Production of nitroparaffins. 2,597,027, May 20.
"Patelhold" Patentverwertungs- & Elektro-Holding A.-G., assignee: *See*—
Lüdi, Fritz.
Patent and Licensing Corporation, The, assignee: *See*—
Perot, Jules J., Jr., and Cawley.
Paterson, Ira W., Milton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker with blast valve motor assisting the contact motor. 2,597,126, May 20.
Patton, John W., Philadelphia, Pa. and R. G. Cudini, Birmingham, Mich.; said Patton assignor to American Car and Foundry Company, New York, N. Y. Hinge. 2,597,174, May 20.

Patton, Paul B., Shaker Heights, Ohio. Heated drum for warm air furnaces. 2,597,026, May 20.

Patterson, Walter M., Freeport, assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Titanium additions to stainless steels. 2,597,173, May 20.

Paulo Producta Company, assignee: *See*—
Stogsdill, Sherman L., and Rassieur.

Pearson, Frank A., assignor to Eagle Signal Corporation, Moline, Ill. Alternating current synchronous induction disk motor with means for eliminating backlash and overrun of gear trains associated with electric motors. 2,597,369, May 20.

Peckman, Arnold L., McKeesport, Pa., assignor to United States Steel Company. Cement lining for metal pipe. 2,597,370, May 20.

Pederson, Raymond A.: *See*—
White, Compton I., Jr., Young, Pederson, and Rahn.

Peirce, Thomas H., assignor to H. A. King, doing business as H. A. King Company, Detroit, Mich. Vibration damper. 2,597,747, May 20.

Pelley, Andrew, Orrville, Ohio. Plaything of the rocking horse type. 2,597,668, May 20.

Pemberton, J. C., Pasadena, and D. R. Baldridge, Glendale, Calif. Toy glider. 2,597,521, May 20.

People of the United States of America, The, assignee: *See*—
Couchman, Richard.

Perfection Steel Body Company, The, assignee: *See*—
Barker, Eros V.

Perfex Corporation, assignee: *See*—
Malone, Homer E.

Perkins, Gerald S., Altadena, P. R. Vogt, and R. R. Weber, Los Angeles, Calif., assignors to North American Aviation, Inc. Double-ended journal air bearing. 2,597,371, May 20.

Perkins, George S., Kew Gardens, assignor to National Equipment Corporation, New York, N. Y. Depositor for confectionery machines. 2,597,175, May 20.

Perot, Jules J., Jr., Mountain Lakes, and G. Cawley, Upper Montclair, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y. Tensile testing device. 2,597,812, May 20.

Petiton, André: *See*—
Drisch, Nicolas, and Petiton.

Pettus, James L., Encino, Calif., assignor to Radio Corporation of America. Film supply and take-up apparatus. 2,597,176, May 20.

Pfann, William G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device. 2,597,028, May 20.

Philco Corporation, assignee: *See*—
Lingenbrink, Hermann E. F. C.
Shoemaker, Malcolm G., and Zearfoss.

Phinney, Edward D., Mount Vernon, N. Y., and A. H. Reeves, Reigate, England, assignors to International Standard Electric Corporation, New York, N. Y. Superheterodyne radio receiver employing a multifunction tube. 2,597,029, May 20.

Pierce, Robert P., Chicago, Ill. Signaling drink mixer. 2,597,522, May 20.

Pilon, Joseph L., and A. Beaulieu, North Bay, Ontario, Canada, assignors to Inspiration Mining & Development Company Limited. Drill bit. 2,597,669, May 20.

Pines, Herman, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Production of alkylcyclopentane hydrocarbons and benzenoid hydrocarbons. 2,597,372, May 20.

Pinto, Arthur G., Rio De Janeiro, Brazil. Telephone switch hook actuator. 2,597,670, May 20.

Piper, Glenn T., Louisville, assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. 2,597,813, May 20.

Pirtle, Joseph D., Siren, Wis. Animal trap. 2,597,814, May 20.

Pistoles, Lambert R., Wilmington, Del. Gauge. 2,597,030, May 20.

Pittsburgh Corning Corporation, assignee: *See*—
Kallenborn, John.

Plachecki, Alexander J.: *See*—
Morgan, Erving B., and Plachecki.

Plass, Raymond B., Berkeley, Calif., assignor, by mesne assignments, to Ray Oil Burner Co. Adjustable viscosity sensitive burner control. 2,597,177, May 20.

Platts, Howard H., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hydraulic booster and lever means for conveying speed control signals to a control lever for speed governors, throttles, or the like. 2,597,815, May 20.

Plax Corporation, assignee: *See*—
Bailey, James.

Pleydell, Albert and R., Bellerose, and J. F. McIntyre, Flushing, N. Y. Sheet positioning and clamping means. 2,597,178, May 20.

Pleydell, Rose: *See*—
Pleydell, Albert R., and McIntyre.

Plunkett, Gilman: *See*—
Machado, Anthony B., and Plunkett.

Podjaski, Edward, assignor to The Falk Corporation, Milwaukee, Wis. Toolholding chuck. 2,597,816, May 20.

Pohlod, Michael, Jersey City, N. J. Means for keeping trouser crease straight upon the legs. 2,597,179, May 20.

Poittevin, Maurice, Meudon, France. X-ray tube. 2,597,817, May 20.

Pollard, Ernest C.: *See*—
Longacre, Andrew, and Pollard.

Polytechnic Research and Development Company Incorporated, assignee: *See*—
Goodhue, William M.

Pond, Leander N., and N. M. Wisner, assignors to Corning Glass Works, Corning, N. Y. Glass severing apparatus. 2,597,373, May 20.

Posey, Raymond, United States Marine Corps. Portable mortar. 2,597,031, May 20.

Powell, La Von I., Denver, Colo. Child's walking and riding vehicle. 2,597,748, May 20.

Pratt, Eliot D., assignee: *See*—
Chiego, Bernard.

Pray, Wilbur F., Hastings on Hudson, N. Y., assignor to Askania Regulator Company. Stabilization of control amplifiers. 2,597,259, May 20.

Prentiss, John O., San Benito, Tex. Sliding target game. 2,597,671, May 20.

Preston, Nell D., assignor to General Railway Signal Company, Rochester, N. Y. Communication system. 2,597,818, May 20.

Price, Philip, executor: *See*—
Stokes, John S.

Proctor & Schwartz, Inc., assignee: *See*—
Hurxthal, Alpheus O.

Product Engineering Co., assignee: *See*—
Everett, Harry F.

Provident Trust Company of Philadelphia, executor: *See*—
Stokes, John S.

Provost, Laurence R., Shawnee, Kans. Grass elevator and container atttachment for lawn mowers. 2,597,819, May 20.

Puig, Daniel A., Barcelona, Spain. Obtaining colored copies of cinematographic films. 2,597,820, May 20.

Purdue Research Foundation, assignee: *See*—
Bachman, Gustave B., and Hewett.
McBee, Earl T., and Newcomer.

Pure Oil Company, The, assignee: *See*—
Ayers, George W., Geerts, and Chandler.

Pye Limited, assignee: *See*—
Court, Patrick R. J.
Fisher, Donald H.

Quandro Mining & Equipment Corp., assignee: *See*—
Roe, Jonas L.

Quillinan, Michael J., Bronx, N. Y. Slide rule. 2,597,523, May 20.

Radio Corporation of America, assignee: *See*—
Cuccia, Carmen L.
French, Hubert.
Friend, Albert W.
Friend, Albert W., and Harding.
Millspaugh, Frederick W., and Kozanowski.
Pettus, James L.
Schroeder, Alfred C.
Stocker, Arthur C.

Rahn, James J.: *See*—
White, Compton, I., Jr., Young, Pederson, and Rahn.

Rahr, William, assignor to J. W. Steckbauer, Manitowoc, Wis. Toaster. 2,597,127, May 20.

Railroad Accessories Corporation, assignee: *See*—
Brown, Harold J., and Lavarack.

Ramming, John, Machine Company, assignee: *See*—
Barnes, Tracy W.

Ranby, Peter W.: *See*—
McKeag, Alfred H., and Ranby.

Randol, Glenn T., Detroit, Mich. Automotive power-transmitting system and mechanism. 2,597,840, May 20.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system. 2,597,672, May 20.

Rassieur, Benjamin F.: *See*—
Stogsdill, Sherman L., and Rassieur.

Ray Oil Burner Co., assignee: *See*—
Plass, Raymond B.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Pressure operated follow-up system. 2,597,032, May 20.

Ray, William R., Los Angeles, Calif. Rotary oil burner. 2,597,033, May 20.

Raybestos-Manhattan, Inc., assignee: *See*—
Gorecki, Robert J.

Raytheon Manufacturing Company, assignee: *See*—
Alford, Andrew, and Hart.
Hall, William M., and Beveridge.

Reaser, William A., Toledo, E. A. Ziemis, Rossford, Ohio, and J. M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio. Rotary edge grinding machine. 2,597,180, May 20.

Reck, Richard A., assignor to Armour and Company, Chicago, Ill. Preparation of N-aliphatic morpholines. 2,597,260, May 20.

Redman, Frank R., Yardley, Pa. Apparatus for treatment of tubular knitted fabrics. 2,597,528, May 20.

Redman, Frank R., Yardley, Pa. Treating textile materials. 2,597,529, May 20.

Redman, Frank R., Yardley, Pa. Treating fabric. 2,597,530, May 20.

Reed, Laurence G.: *See*—
Martin, Mervin E., and Reed.

Reeves, Alec H.: *See*—
Phinney, Edward D., and Reeves.

Regis Plastics, assignee: *See*—
Papp, Andrew.

Reid, John D., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Insulator bushing seal. 2,597,596, May 20.

Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Condiment holder. 2,597,749, May 20.

Reilly, Hugh L., F. H. Scrimshaw, and A. G. Bone, Farnborough, England, assignor, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Speed- and/or distance determining instrument. 2,597,531, May 20.

Reinking, Arthur O., Oaklyn, N. J. Bottle handling device. 2,597,128, May 20.

Reinking, Arthur O., Oaklyn, N. J. Bottle handling device. 2,597,181, May 20.

Reisch, George J., Devon, and W. K. Skolfield, Bridgeport, Conn., assignors to General Electric Company. Clutch for oscillating fans. 2,597,034, May 20.

Reliable Electric Company, assignee: *See*—
Cook, John B., and Jugle.

Remich, Norman C., assignor to Barber-Colman Company, Rockford, Ill. Gear chamfering hob. 2,597,129, May 20.

Revere Corporation of America, Inc., assignee: *See*—
Nicholls, Malcolm B.

Reynolds, Donald K.: *See*—
McCouch, Gordon P., and Reynolds.

Rhoads, Leonard H., assignor to L. W. Feller, St. Elmo, Ill. Well clearing apparatus. 2,597,261, May 20.

Rice, Cyrus W., Pittsburgh, Pa. Timing boiler blowdowns. 2,597,597, May 20.

Richardson, Lawrence, and W. S. Richardson, Cambridge, Mass. Hand truck. 2,597,532, May 20.

Richardson, Walker S.: *See*—
Richardson, Lawrence, and W. S.

Richey, Clarence B., Royal Oak, assignor to Dearborn Motors Corporation, Highland Park, Mich. Material handling device. 2,597,374, May 20.

Rickard, William H., Denver, Colo. Fishing lure. 2,597,035, May 20.

Rickner, George E., and O. F. Koenig, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Surfacing glass sheets or plates. 2,597,182, May 20.

Ridgway, Edmund T., Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa. Frame construction around openings of trailers and other vehicles and structures. 2,597,841, May 20.

Riley, Lynn G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system with dynamic braking. 2,597,183, May 20.

Rinehart, Lloyd R., Dixon, Ill., assignor, by mesne assignments, to National-Standard Company. Winding machine. 2,597,375, May 20.

Riordan, John A., Denver, assignor to J. T. Clark, Fort Morgan, Colo. Flywheel tool. 2,597,376, May 20.

Ritter, Roy, and W. Riter, Lewes, Del. Self-leveling bean and pea harvester. 2,597,673, May 20.

Ritter, William: *See*—
Ritter Roy, and W.

Robbins, Alexander G., Schenectady, N. Y., assignor to General Electric Company. Precision resistance device. 2,597,674, May 20.

Roberts, Brereton, Cimla, South Wales. Jaw assembly for wrenches of the Stillson type. 2,597,184, May 20.

Roberts, Edward N., and L. W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Stabilized phosphorus and sulfur-containing hydrocarbon reaction products and compositions containing the same. 2,597,750, May 20.

Robinson, Kenneth V., Atlanta, Ga., assignor to Atlanta Paper Company. Prepackaging unit for rayon yarn and the like. 2,597,377, May 20.

Robison, Robert D., Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Brake system. 2,597,598, May 20.

Rodgers, James P., Belleville, N. J., assignor to Elliott Company, Jeanette, Pa. Two-arm expanding head tube cleaner. 2,597,263, May 20.

Roe, Jonas L., Boulder Creek, Calif., assignor to Quandro Mining & Equipment Corp. Endless digger type mine dredger. 2,597,036, May 20.

Roeding, Fred C., and G. M. Stein, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Self-protected distribution transformer. 2,597,185, May 20.

Roger, Albert J., Oakland, Calif. Electrical connection plug. 2,597,262, May 20.

Rogers, Arthur L., Gettysburg, S. Dak. Folding drawbar for harrows. 2,597,533, May 20.

Rogers, Louis F., and M. S. Ebert, Wilmington, Del., assignors to Continental Can Company, Inc., New York, N. Y. Thermoadhesive composition and composite closure liner formed therewith. 2,597,378 May 20.

Rohm & Haas Company, assignee: *See*—
Bodamer, George W.
Hwa, Jesse C. H.

Romel, William H., Montclair, N. J. Portable dual control device. 2,597,379, May 20.

Root, Robert S., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Vibration dampening motion transmitting element or clutch. 2,597,380, May 20.

Roper, Perry R., South Gate, assignor to A. Oberholtz, Los Angeles, Calif. Tool for removing door handle retaining springs. 2,597,381, May 20.

Roscoe, Merrill W., Moline, Ill., and R. L. Beldin, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Feed control gate for material-handling hoppers. 2,597,186, May 20.

Roshong, Raymond G., North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill. Adjustable lap. 2,597,187, May 20.

Roshong, Raymond G., North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill. Apparatus for lapping shoulders. 2,597,382, May 20.

Ross, Ethel M., Chicago, Ill. Cosmetic container. 2,597,130, May 20.

Ross, Olive D., executrix: *See*—
Hanson, William W., Varian and S. P.

Roullard, Edward L., assignor to Goodall-Sanford, Inc., Sanford, Maine. Filling replenishing mechanism for automatic filling replenishing looms. 2,597,599, May 20.

Rowan, James W., Bakersfield, Calif. Earthworking attachment for cultivators. 2,597,821, May 20.

Rozen, Joseph, Wichita, Kans. Shutter for internal-combustion engines. 2,597,822, May 20.

Rozett, Benjamin, Chicago, Ill., assignor to J. Weidenhoff, Incorporated. Low-voltage circuit tester. 2,597,188, May 20.

Rubin, Louis C.: *See*—
Passino, Herbert J., and Rubin.

Rudd, Maurice A., North Plainfield, N. J., assignor to Bendix Aviation Corporation, New York, N. Y. Multiple switch. 2,597,823, May 20.

Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Bending beam load weighing device. 2,597,751, May 20.

Rummel, Mary J.: *See*—
Aiken, Mary E., and Rummel.

Runde, Kenneth R., Lemay, assignor to J. R. Kearney Corporation, St. Louis, Mo. Electrical connector. 2,597,037, May 20.

Runnels, Garland D., assignee: *See*—
Smith, Charles Y.

Russell, Arthur G., Company, Incorporated, assignee: *See*—
Willis, Grant N.

Russell, Phillip W., and J. L. Harmon, Cleveland Heights, Ohio. Radio-frequency operated receiving system consuming zero standby power. 2,597,264, May 20.

Sackett, Clarence W., Warren, Ohio. Banding machine. 2,597,675, May 20.

Sailer, Norris H.: *See*—
Turner, Edgar P., and Sailer.

St. Pierre, Henry, Worcester, Mass. Cross chain for tire chains. 2,597,762, May 20.

Salisbury, Winfield W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Thermoelectric power generator. 2,597,752, May 20.

Salter, Thomas B., Wichita, Kans., assignor to Cessna Aircraft Company. Resilient strut for aircraft landing gears and the like. 2,597,265, May 20.

Samuel, Arthur L., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Cathode-ray tube screen treatment. 2,597,383, May 20.

Sanders, Herbert L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of colloidal barium sulfate. 2,597,384, May 20.

Sands, Henry F., Cranston, R. I. Steering rudder. 2,597,189, May 20.

Sapers, Ira: *See*—
Cook, Alton A., and Sapers.

Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Production of 17-hydroxypregnanes. 2,597,190, May 20.

Schaelchlin, Walter, Buffalo, N. Y., and A. J. Winchester, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable current compensation on dynamic electric machine. 2,597,191, May 20.

Schetty, Guido, assignor to J. R. Geigy A. G., Basel, Switzerland. Complex chromium compounds of 0,0'-dihydroxy azo dyestuffs. 2,597,676, May 20.

Schilling, Clarence J., assignor to Air Products, Incorporated, Chattanooga, Tenn. Separaion of gas mixtures. 2,597,385, May 20.

Schmid, Herman A., Arcadia, Calif. Golf club cart. 2,597,386, May 20.

Schmitz, Fred W., and R. S. Egly, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Production of nitroparaffins. 2,597,753, May 20.

Schneible, Claude B., assignor to C. B. Schneible Company, Detroit, Mich. Liquid distributor. 2,597,192, May 20.

Schneible, Claude B., Company, assignee: *See*—
Schneible, Claude B.

Schrader, Gerhard, Opladen-Bruchhausen, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Neutral esters of thiolphosphoric acid. 2,597,534, May 20.

Schreiber, Paul R., Akron, Ohio. Garage door. 2,597,824, May 20.

Schroeder, Alfred C., Southampton, Pa., assignor to Radio Corporation of America. Quantizing apparatus. 2,597,677, May 20.

Schroeder, George W., McHenry, Ill., assignor to Hotpoint Inc. Combination electric and ultrahigh-frequency heating apparatus. 2,597,825, May 20.

Schultz, Howard L.: *See*—
Corson, Dale R., and Schultz.

Schumacher, Erwin A.: *See*—
Brooks, Paul S., and Schumacher.

Schumacher, Erwin A., Parma, and P. S. Brooks, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Aqueous electrolyte for primary galvanic cell. 2,597,117, May 20.

Schumacher, Erwin A., Parma, and R. J. Bennett, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Electrode for air depolarized primary galvanic cells. 2,597,119, May 20.

Schurman, Clyde, Woodland, Wash. Yarding device for cutoff saws. 2,597,678, May 20.

Schwaneke, Fred C.: *See*—
Braski, Raymond J., and Schwaneke.

Schwarzer, Fred, Pottstown, Pa. Fishing hook. 2,597,679, May 20.

Schweigler, Fred R.: *See*—
Grether, Lester M., Turner, and Schweigler.

Scofield, Emory J.: *See*—
Johnson, Edwin L., and Scofield.

Scott-Atwater Manufacturing Company, assignee: *See*—
Johnson, Kermit F., and Eggert.

Scott, Edward B., Bridgeport, Conn. Collapsible tube compressor. 2,597,273, May 20.

Scrimshaw, Frank H.: *See*—
Reilly, Hugh L., Scrimshaw, and Bone.

Scully, Charles T., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Two-way electric pulse communication system. 2,597,038, May 20.

Searle, G. D., & Co., assignee: *See*—
Burtner, Robert R., and Dillon.

Sedgley, Gertrude E.: *See*—
Brown, Arthur S., and Sedgley.

Seeburg, J. P., Corporation, assignee: *See*—
Kenney, Mahlon W., and Johnson.

Seeler, Henry, Dayton, Ohio. Pressure breathing demand oxygen regulator. 2,597,039, May 20.

Segre, Emilio G., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radioactive assay apparatus. 2,597,535, May 20.

Seidel, Stephen G., Abington, and R. P. Lownes, assignors to J. A. Margolis, Philadelphia, Pa. Device for opening and emptying cartons. 2,597,387, May 20.

Sempos, Christ E., East Wareham, Mass. Cranberry recovery machine. 2,597,131, May 20.

Sendzimir, Tadeusz, Woodbury, Conn. Producing tubular and sheet metals. 2,597,046, May 20.

Sensaud de Lavaud, Robert, Sao Paulo, Brazil. Electromagnetic clutch. 2,597,388, May 20.

Setter, Arnt, Santa Clara, Calif. Antifriction structure for worm wheels and the like. 2,597,389, May 20.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co. Inc., New York, N. Y. Cutting knife slot closing plate. 2,597,826, May 20.

Shaffer, Donald U., assignor to Shaffer Tool Works, Brea, Calif. Joint leak tester. 2,597,193, May 20.

Shaffer Tool Works, assignee: *See*—
Shaffer, Donald U.

Shapiro, Hyman, Brooklyn, N. Y. Safety adapter socket plug for electrical appliances. 2,597,600, May 20.

Shapiro, Hymin, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y. Manufacture of tetraethyllead. 2,597,754, May 20.

Shepardson, Anthony H., Minneapolis, assignor to Haaky Manufacturing Company, St. Paul, Minn. Multiple grain scalper. 2,597,390, May 20.

Sheppard, C. E., Company, The, assignee: *See*—
Gleaves, Lawrence S.

Sherman, Alvin G., Grosse Pointe Park, Mich., assignor to Globe American Corporation, Kokomo, Ind. Gas control for cooking ranges. 2,597,266, May 20.

Sherman, Earl L., assignor of forty-nine per cent to H. W. Bacon, Eugene, Oreg. Fisherman's hatband. 2,597,601, May 20.

Sherrill, James W.: *See*—
Alexander, Leon G., and Sherrill.

Shields, Samuel, Racine, Wis. Liquid mixer. 2,597,536, May 20.

Shoemaker, Malcolm G., Doylestown, and E. W. Zearfoss, Jr., assignors to Philco Corporation, Philadelphia, Pa. Refrigerator having an evaporator provided with a movable section. 2,597,267, May 20.

Sholl, Morris A., Los Angeles, Calif. Portable utility case. 2,597,194, May 20.

Shurter, Robert A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Recovery of nitrated kerosene. 2,597,755, May 20.

Sichak, William, Lyndhurst, N. J., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Antenna. 2,597,391, May 20.

Sigmon, Carlin C., Alexis, N. C. Transfer winding attachment for spinning machines. 2,597,537, May 20.

Silliman, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Antenna. 2,597,392, May 20.

Simmons, Orien W.: *See*—
Jackson, John H., and Simmons.

Simpson, William F., Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company. Machine for angularly guiding and mounting tires on wheels. 2,597,268, May 20.

Singer Manufacturing Company, The, assignee: *See*—
Turner, Edgar P.
Turner, Edgar P., and Sailer.

Singleterry, Curtis R.: *See*—
Merker, Robert L., and Singleterry.

Sipior, Joseph F., North Tonawanda, N. Y. Paper dispensing device. 2,597,602, May 20.

Sissler, Donald L., Oshkosh, Wis. Bottle viewing machine. 2,597,680, May 20.

Sitek, Louis R., Milwaukee, Wis. Safety ladder basket. 2,597,756, May 20.

Skaperdas, George T.: *See*—
Lobo, Walter E., and Skaperdas.

Skelton, Russell R.: *See*—
Charles, T. Burr, and Skelton.

Skillman, Thomas S., Mosman, near Sydney, and A. D. Lackey, McMahon's Point, near Sydney, assignors to Communication Engineering Pty. Limited, New South Wales, Australia. Accounting device. 2,597,538, May 20.

Skolfield, William K.: *See*—
Relsch, George J., and Skolfield.

Šlampa, Vavřin, Brunn, Czechoslovakia. Cushion heel. 2,597,393, May 20.

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,597,040, May 20.

Smart, Gerald R., Brighton, assignor to John Thompson Beacon Windows Limited, Wolverhampton, England. Sliding window structure. 2,597,539, May 20.

Smith, Charles V., Seattle, Wash., assignor to G. D. Runnels. Vaporizer. 2,597,195, May 20.

Smith, Donald P., assignor to The Alvey-Ferguson Company, Cincinnati, Ohio. Industrial washing machine embodying fluid spraying apparatus. 2,597,132, May 20.

Smith, Harry E., Atlanta, Ga., assignor of one-third to J. C. Duttenhofer, Richmond, Va., and one-third to H. E. Hetzel, Atlanta, Ga. Cutting and slitting device. 2,597,540, May 20.

Smith, John P., Jr.: *See*—
Naef, Alfred H., and Smith.

Smith, Kline & French Laboratories, assignee: *See*—
Kerwin, James F., and Ullyot.

Smith, Richard E., Shaker Heights, Ohio, assignor to General Electric Company. Electric incandescent lamp. 2,597,681, May 20.

Snow, Floyd E., Pasadena, assignor to Technical Coatings, Inc., Los Angeles, Calif. Cover construction. 2,597,682, May 20.

Snowden, Leonard R., Los Gatos, Calif. Hardened jaw insert for needle holders. 2,597,394, May 20.

Snyder, Eugene L., and W. A. Humphrey, Canton, assignors to The Hoover Company, North Canton, Ohio. Electric toaster. 2,597,827, May 20.

Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,597,133, May 20.

Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic motor control. 2,597,136, May 20.

Societe Anonyme Francaise Du "Ferodo," assignee: *See*—
Maurice, Jean.

Societe de Recherches Techniques et D'Exploitations Industrielles, assignee: *See*—
Trembley, Fernand.

Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Michard, Louis M.

Societe Industrielle et Commerciale des Ouvriers Lunetiers (Eparvier, Cottet, Poichet & Cie), assignee: *See*—
Gardissard, Pierre, and Delorme.

Sookne, Arnold M.: *See*—
Brown, Alfred E., and Sookne, and Minor.

Spatz, Harry F., Richmond Hill, N. Y. Automobile wheel sander. 2,597,196, May 20.

Spears, Ralph A., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Mounting arrangement for plated piezoelectric crystals. 2,597,757, May 20.

Specialties Development Corporation, assignee: *See*—
Warwick, John.

Spedding, Raymond T., Detroit, assignor to Dearborn Motors Corporation, Highland Park, Mich. Power-fed, timber-mowing tractor mounted saw. 2,597,395, May 20.

Spool Cotton Company, The, assignee: *See*—
Bjoro, Edvin F.

Sprung, Murray M.: *See*—
Wilcock, Donald F., and Sprung.

Spurlin, William G., assignor to Harry Ferguson, Inc., Dearborn, Mich. Twin reel side delivery rake. 2,597,828, May 20.

Squires, George R., Rockaway, and R. W. Squires, Dover, N. J. Combination sandwich toaster, grill, and waffle iron. 2,597,541, May 20.

Squires, Richard, Gladwyne, Pa., assignor, by mesne assignments, to The United States Playing Card Company, Cincinnati, Ohio, and National Publishing Company, Philadelphia, Pa. Decorating. 2,597,396, May 20.

Squires, Richard W.: *See*—
Squires, George R. and R. W.

Sreb, Jules H., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Setback gauge. 2,597,758, May 20.

Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Expansible last. 2,597,197, May 20.

Staggs, Horace M., and L. F. Davis, Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa. Liquid level control means. 2,597,198, May 20.

Staley, A. E., Manufacturing Company, assignee: *See*—
Allen, William F.
Moyer, Wendell W., and Allen.

Stamper, Hamilton A., and D. O. Nelson, Los Angeles, and J. A. Wippert, Burbank, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Echo distance measuring apparatus. 2,597,199, May 20.

Standard Oil Company, assignee: *See*—
Roberts, Edward N., and Mixon.
Tom, Theodore B.

Standard Oil Development Company, assignee: *See*—
Bannon, John H.

Standard Steel Spring Company, assignee: *See*—
Crites, Nelson A., and Fick.

Stango, Alfred, assignee: *See*—
Bonglovanni, Antonio.

Stango, Antonio, assignee: *See*—
Bonglovanni, Antonio.

Stanley, Lester N.: *See*—
Von Glahn, William H., and Stanley.

Starkey, Clifford V., Greenford, England. Thermal overload cutout for electrical apparatus. 2,597,759, May 20.

Stauffer, Edward J., assignor to Kroehler Mfg. Co., Naperville, Ill. Automatic cushion stuffer with belt conveyer and reciprocating follower. 2,597,397, May 20.

Stearns, Walter I., Arlington, Vt. Woodworking machine. 2,597,398, May 20.

Steckbauer, J. W., assignee: *See*—
Rahr, William.

Steele, Osborne C., assignee: *See*—
Mansoff, Arthur P.

Steele, Vernon P., Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y. Drain valve. 2,597,399, May 20.

Stein, Gerhard M.: *See*—
Roeding, Fred C., and Stein.

Stell, Joseph, assignee: *See*—
Head, Sidney G., Sr.

Stewart-Warner Corporation, assignee: *See*—
Tear, Harry R.

Stewart, William T.: *See*—
Lowe, Warren, Stewart, and Clayton.

Stiliwagon, Crawford K., Houston, Tex. Piston. 2,597,829, May 20.

Stocker, Arthur C., Collingswood, N. J., assignor to Radio Corporation of America. Television scanning apparatus. 2,597,683, May 20.

Stogsdill, Sherman L., and B. F. Rassieur, St. Louis County, assignors to Paulo Products Company, St. Louis, Mo. Invalid's pickup stick. 2,597,400, May 20.

Stokes, John S., deceased, Huntingdon Valley, Pa.; M. M. Stokes, J. S. Stokes, Jr., D. R. Yarnall, P. Price, P. C. Madeira, Jr., and Provident Trust Company of Philadelphia, executors of said J. S. Stokes., assignors to Stokes & Smith Company, Philadelphia, Pa. Apparatus for wrapping articles. 2,597,041, May 20.

Stokes, John S., Huntingdon Valley, and E. W. Bleam, Philadelphia, Pa., assignors to Stokes & Smith Company. Two-web rotary brush wrapping machine. 2,597,042, May 20.

Stokes, John S., Jr., executor: *See*—
Stokes, John S.

Stokes, May M., executrix: *See*—
Stokes, John S.

Stokes & Smith Company, assignee: *See*—
Stokes, John S., and Bleam.
Stokes, John S.

Strahm, Harve J., Medford, Oreg. Irrigation pipe carrying device. 2,597,760, May 20.

Stratton, Arthur T., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,597,134, May 20.

Straussberger, John H., deceased, Chattanooga, Tenn., by Hamilton National Bank, executor, Chattanooga, Tenn., assignor to Julius Kayser & Co., New York, N. Y. Method of and mechanism for widening a knitted fabric between two successive knitting operations. 2,597,761, May 20.

Stringe, Jack W., Oak Park, Ill. Drawer hook. 2,597,684, May 20.

Stringer, Loren F.: *See*—
Harder, Edwin L., Stringer, Moore, and Greenwood.

Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ultrahigh frequency generating tube. 2,597,542, May 20.

Stuart, Alfred A., Jr., Hasbrouck Heights, assignor to Bendix Aviation Corporation, Teterboro, N. J. Earth induction system. 2,597,135, May 20.

Suben, Morten, assignor to Lens-Block Corporation, New York, N. Y. Lens block. 2,597,543, May 20.

Sun Tool & Machine Company, The, assignee: *See*—
Reaser, William A., Ziems, and Christman.

Sunbeam Corporation, assignee: *See*—
Jepson, Ivar.

Sunroc Refrigeration Company, assignee: *See*—
Morrison, Samuel O.

Suprowich, Wasyl S., Gardenton, Manitoba, Canada. Comb. 2,597,200, May 20.

Sussman, Arthur, New York, N. Y. Steam pressing iron. 2,597,763, May 20.

Swain, Julian B., Louisville, Miss. Laundry cart for household use. 2,597,544, May 20.

Swank, Inc., assignee: *See*—
Marien, Clement.
Wylie, Harold B.

Swanson, Wallace R., Seattle, Wash., assignor to Boeing Airplane Company. Fabric panel clamp. 2,597,401, May 20.

Swartzman, Irving J.: *See*—
Melamed, Louis, Greenburg, and Swartzman.

Sweeney, Robert D., and W. L. Coutchure, assignors to Wm. H. Cook, trustee, Toledo, Ohio. Automatic valve. 2,597,402, May 20.

Swierbut, Michael N.: *See*—
Dickinson, Henry R., and Swierbut.

Swiss, Jack, Murrysville, and G. W. Hewitt, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adhesive liquid compositions suitable for electrostatic dust precipitators. 2,597,201, May 20.

Sylvania Electric Products Inc., assignee: *See*—
Brooks, Joseph H.
Maloney, Henry B.

Szabo, Joseph L.: *See*—
Bruce, William F., Szabo, and Tubis.

Szady, Leopold T.: *See*—
Gruenberg, Ivor J., and Szady.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Brake cooling baffle. 2,597,603, May 20.

Tama, Manuel and Mario, Morrisville, Pa., and J. L. Hoff, Pennington, assignors to Ajax Engineering Corporation, Trenton, N. J. Apparatus for the mold casting of metals. 2,597,269, May 20.

Tama, Mario: *See*—
Tama, Manuel and Mario, and Hoff.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble interpolymers of a poly-2-alkenyl ester, vinylidene chloride, and a monounsaturated 2-alkenyl compound. 2,597,202, May 20.

Taylor, George A., East Orange, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid temperature control. 2,597,203, May 20.

Taylor, Maurice C., Niagara Falls, N. Y. Electrolytic method. 2,597,545, May 20.

Teahen, James M., assignee: *See*—
Goetz, Harry F.

Tear, Harry R., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Control apparatus for centralized lubricating systems. 2,597,137, May 20.

Technical Coatings, Inc., assignee: *See*—
Snow, Floyd E.

Tedesco, John T., Bronx, N. Y. Interrupted thread type slidable jaw wrench. 2,597,403, May 20.

Teepell, Edward A., Philadelphia, Pa. Tamperproof valve cap. 2,597,546, May 20.

Teske, Lavern J., Hamburg, Wis. Pressure compounding device for hydraulic systems. 2,597,404, May 20.

Textile and Chemical Research Company Limited, assignee: *See*—
Drisch, Nicolas, and Brepson.
Drisch, Nicolas, and Petiton.

Tholl, John E., Needham, assignor to American Tool & Machine Co., Boston, Mass. Combined bearing and stabilizing mechanism for centrifugal separators. 2,597,405, May 20.

Thome-Johannesen, Ole, assignor to E. Eckbo, Oslo, Norway. Manufacturing of phosphate containing coating products for the protection of metals against corrosion. 2,597,406, May 20.

Thompson, Earl G., San Francisco, Calif. Bottle sterilizer. 2,597,407, May 20.

Thompson, John, Beacon Windows Limited, assignee: *See*—
Smart, Gerald R.

Thompson, Lawrence E., Marion, Ind. Electric motor control. 2,597,408, May 20.

Tiberi, Thomas, Chicago Heights, Ill. Tub assembly. 2,597,547, May 20.

Timken Roller Bearing Company, assignee: *See*—
Bergstrom, Albert L.

Tishler, Max: *See*—
Howe, Eugene E., and Tishler.

Todd, Raymond, W., and F. E. Fuchs, assignors to Aquaness Corporation, Houston, Tex. Treating petroleum emulsions. 2,597,204, May 20.

Tom, Theodore B., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Stabilized hydrocarbon liquids. 2,597,205, May 20.

Tow, James O., Huntington Park, assignor to McCullough Tool Company, Los Angeles, Calif. Internally fired perforating gun. 2,597,409, May 20.

Tracy, Clarence S., assignor of thirty per cent to J. Karwacki, Chicago, Ill. Utility bookholder. 2,597,206, May 20.

Trane Company, The, assignee: *See*—
Bartlett James L., and Davis.

Traylor, Samuel W., Jr., assignor to S. W. Traylor, III, Allentown, Pa. Frame structure for gyratory crushers. 2,597,548, May 20.

Traylor, Samuel W., III, assignee: *See*—
Traylor, Samuel W., Jr.

Treadwell, Cyril G., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Automatic replacement of defective repeaters in high-frequency electric communication systems. 2,597,043, May 20.

Trembley, Fernand, Bellerive, Geneva, assignor to Societe de Recherches Techniques et D'Exploitations Industrielles, Geneva, Switzerland. Cooling device for engines. 2,597,549, May 20.

Trico Products Corporation, assignee: *See*—
Bitzer, Martin.
Rappl, Anton.

Trigg, Warren M., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Viscosity indicating and controlling apparatus. 2,597,138, May 20.

Tritt, Norman H., Akron, Ohio. Pressure sealing device for vulcanizing pneumatic tires. 2,597,550, May 20.

Tronson, Theodore A., Campbell, Calif. Dispensing cap for containers. 2,597,410, May 20.

Tubis, Samuel: *See*—
Bruce, William F., Szabo, and Tubis.

Tuck, Joseph H.: *See*—
Cook, Wilfred J., and Tuck.

Tucker, Charles, La Crescenta, and L. A. Lyle, Jr., Los Angeles, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Crash helmet. 2,597,764, May 20.

Tucker, George G., Jr., Berwyn, assignor to Hubbard Spool Company, Chicago, Ill. Spool construction. 2,597,139, May 20.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Clutch and brake for electric transmitters. 2,597,685, May 20.

Turner, Edgar P., Fanwood, and N. H. Sailer, Union, assignors to The Singer Manufacturing Company, Elizabeth, N. J. Design-reproducing apparatus and stylus unit therefor. 2,597,686, May 20.

Turner, Harry A.: *See*—
Grether, Lester M., Turner, and Schweigler.

Tyler, Stanley R.: *See*—
Westbury, Roy, and Tyler.

Uhlig, George J.: *See*—
Mehan, Thomas O., and Uhlig.

Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.

Underwood, Orville J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Speed responsive generator. 2,597,207, May 20.

Union Carbide and Carbon Corporation, assignee: *See*—
Brooks, Paul S., and Schumacher.
Marsal, Paul A., and Fox.
Schumacher, Erwin A., and Bennett.
Schumacher, Erwin A., and Brooks.

United Shoe Machinery Corporation, assignee: *See*—
Gookin, Sylvester L.
Jorgensen, Bernhardt.
Stacey, Ernest W.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Reid, John D.
Segre, Emilio G.

United States Leather Company, The, assignee: *See*—
Migliarese, John.

United States Playing Card Company, The, assignee: *See*—
Squires, Richard.

United States Rubber Company, assignee: *See*—
Cowgill, William W.
Tawney, Pliny O.

United States Steel Company, assignee: *See*—
Chenault, Roy L., and Mohnkern.
Peckman, Arnold L.
Vankrimpen, Bernard E.

Universal Camera Corporation, assignee: *See*—
Cassidy, John D., and Marks.

Universal Oil Products Company, assignee: *See*—
Leffer, Frederick W.
Pines, Herman, and Ipatieff.

Upham, Burt F., San Antonio, Tex., assignor to Miller Printing Machinery Co., Pittsburgh, Pa. Bed operating means. 2,597,687, May 20.

Usines Tornos Fabrique de Machines Moutier S. A., assignee: *See*—
Mégel, Guillaume E., and Mancia.

Van der Ziel, Aldert: *See*—
Strutt, Maximiliaan J. O., and van der Ziel.

Vankrimpen, Bernard E., Lorain, Ohio, assignor to United States Steel Company. Pallet for supporting materials. 2,597,411, May 20.

Van Nort, Catherine H., executrix: *See*—
Van Nort, William W. K.

Van Nort, William W. K., deceased, Cabin John, Md.; C. H. Van Nort, executrix. Weed guard for outboard motors. 2,597,551, May 20.

Varian, Russell H.: *See*—
Hansen, William W., Varian, and S. F.

Varian, Sigurd F.: *See*—
Hansen, William W., Varian, and S. F.

Vaughan-Jones, Ian N.: *See*—
Yates, John T., and Vaughan-Jones.

Vendorlator Manufacturing Company, assignee: *See*—
Childers, Harry S.

Versnel, Frederik H., Amsterdam, Netherlands. Overload output for power-operated doors and the like. 2,597,140, May 20.

Victor Adding Machine Co., assignee: *See*—
Mehan, Thomas O., and Uhlig.

Vogt, Paul R.: *See*—
Perkins, Gerald S., Vogt, and Weber.

Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype compositions containing unsaturated alkyl N-derivatives of amino diazos. 2,597,412, May 20.

Vought, Chauncey D., Greenville, S. C. Portable trailer mixer. 2,597,688, May 20.

Waggener, Kenneth E., Bera, Calif. Preset releasing subassembly. 2,597,414, May 20.

Wagner, Robert A.: *See*—
Hiller, Stanley, Jr., and Wagner.

Wagner, Stanley T., Chicago, Ill. Combined cover and silencer for electric shavers. 2,597,552, May 20.

Waguet, Philippe, Paris, France, assignor to General Electric Company. Starting and operating device and circuits for electric discharge devices. 2,597,604, May 20.

Walker, Willis B., Macungie, assignor to The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa. Pouring gate. 2,597,208, May 20.

Wall, Byron T., Flushing, N. Y. Safety cigarette tray. 2,597,413, May 20.

Walsh, Thomas G., San Fernando, Calif., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,597,209, May 20.

Walters, Charles R., Normandy, Mo. Clothesline tightener. 2,597,210, May 20.

Waltz, Maynard C.: *See*—
Kuper, James B. H., and Waltz.

War, United States of America as represented by the Secretary of, assignee: *See*—
Cook, Jackson H.
Corson, Dale R., and Schultz.
Dicke, Robert H.
Gardner, John H.
Gray, John W.
Higinbotham, William A.
Hodges, Howard T.
Hollingsworth, Lowell M.
Hopkins, Edward W.
Krutter, Harry.
Kuper, James B. H., and Waltz.
Longacre, Andrew and Pollard.
Longmire, Conrad L.
MacNichol, Edward F., Jr.
Marchetti, John W.
McCouch, Gordon P., and Reynolds.
Moon, Robert J.
Sichak, William.
Silliman, Robert M.

Warner, Donald S.: *See*—
Morrill, Frank B., and Warner.

Warwick, John, assignor to Specialties Development Corporation, Belleville, N. J. Yarn tension control device. 2,597,044, May 20.

Watson, Nathan J., assignor to Johnson Biscuit Company, Sioux City, Iowa. Loading mechanism for cooky coating apparatus and the like. 2,597,415, May 20.

Webb, Edward T., Iver, assignor to Metal Closures Limited, West Bromwich, England. Applying thermoplastic closures to bottles and other containers. 2,597,830, May 20.

Weber, Donald J., Richwood, Ohio. Apparatus for lubricating plastic materials undergoing extrusion. 2,597,553, May 20.

Weber, Karl A., Brentwood Heights, assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Machine for grinding edges of glass plates. 2,597,416, May 20.

Weber, Karl A., Brentwood Heights, assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Self-service refrigerated showcase. 2,597,417, May 20.

Weber, Nelson H.: *See*—
Drury, Thomas W., Weber, and Loro.

Weber, Robert R.: *See*—
Perkins, Gerald S., Vogt, and Weber.

Weber Showcase & Fixture Co., Inc., assignee: *See*—
Weber, Karl A.
Weber, Karl A.

Weidenhoff, Joseph, Incorporated, assignee: *See*—
Rozett, Benjamin.

Weingarten, Joseph, Bronx, N. Y. Child's one-piece bifurcated winter garment. 2,597,211, May 20.

Welburn, Harlin N., Three Rivers, Mich. Fork truck. 2,597,765, May 20.

Welch, Alanson U., Jr., West Townsend, Mass., assignor to General Electric Company. Arc starting system. 2,597,689, May 20.

Welsh, Thomas P., assignee: *See*—
Znaidukas, John A.

West, Herbert J., Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y. Nitroalcohol phosphate curing catalyst for aminoplasts. 2,597,756, May 20.

West, Thomas S., assignor of 765/2000 to Blanco Oil Co., and 235/2000 to A. A. Buchanan, San Antonio, Tex. Gravel pack completion method. 2,597,554, May 20.

Westbury, Roy, Bridgnorth, and S. R. Tyler, Willenhall, assignors to H. M. Hobson Limited, London, England. Hydraulic servomotor and the like. 2,597,418, May 20.

Westbury, Roy, Bridgnorth, and S. R. Tyler, Willenhall, assignors to H. M. Hobson Limited, London, England. Hydraulic servomotor and the like. 2,597,419, May 20.

Westbury, Roy, Oldbury, Bridgnorth, assignor to H. M. Hobson Limited, London, England. Apparatus operating the flying controls of aircraft. 2,597,420, May 20.

Western Electric Company, Incorporated, assignee: *See*—
Brewer, Robert F.
Baudry, René A., and Heller.
Derr, Willard A.
Douglas, George R.
Frost, Lawrence W.
Goldman, Jacob.
Harder, Edwin L., Stringer, Moore, and Greenwood
Hartwig, Edward C.
Hibbard, Lloyd J.
Jones, Ruel C.

Westinghouse Electric Corporation, assignee: *See*—
Kelper, Phillip C., and Esselman.
Marbury, Ralph E.
Mikina, Stanley J.
Riley, Lynn G.
Roeding, Fred C., and Stein.
Schaelchlin, Walter, and Winchester.
Snyder, Frederick D.
Stratton, Arthur T.
Swiss, Jack, and Hewitt.
Trigg, Warren M.
Wickerham, William R.

Wheatley, Edward W.: *See*—
Fisher, James W., and Wheatley.

Wheaton, Edward C., assignee: *See*—
Hamilton, Robert P.

Wheel Trueing Tool Company, assignee: *See*—
Bruce, Stanford P.

White, Compton I., Jr., Clark Fork, Idaho, F. R. Young, R. A. Pederson, and J. J. Rahn, Seattle, Wash., assignors to Boeing Airplane Company. Cable tension thermal compensator. 2,597,270, May 20.

White, Edwin H., Baltimore, Md. Abrading unit. 2,597,421, May 20.

White, Ezekiel F., West Hartford, Conn., and M. J. La Viano, Westwood, N. J. Firearm with compass in stock. 2,597,212, May 20.

White, Herbert S., Brooklyn, N. Y. Alternate object display apparatus. 2,597,605, May 20.

Whiteman, Daniel S., Wyncote, Pa. Movable gangplank. 2,597,213, May 20.

Wickerham, William R., Swissvale, assignor to Westinghouse Electric Corporatino, East Pittsburgh, Pa. Motor control. 2,597,141, May 20.

Widder, Louis, New York, N. Y. Hat size adjuster. 2,597,555, May 20.

Wied, Julius P., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Vacuum cleaner. 2,597,690, May 20.

Wight, Sedgwick N.: *See*—
Field, Oscar S., and Wight.

Wikström, Nils E., Strangnas, Sweden. Jack adapted for moving loads along a rod. 2,597,691, May 20.

Wilcock, Donald F., Marblehead, Mass., and M. M. Sprung, Schenectady, N. Y., assignors to General Electric Company. Lubricating oils. 2,597,045, May 20.

Wilkor Products, Inc., assignee: *See*—
Kohring, Wilbur M.

Williams, Allen S., Washington, D. C. Plaster scratcher. 2,597,767, May 20.

Williams, Richard J., Birmingham, Mich. Cooky making machine. 2,597,271, May 20.

Willis, Grant N., East Bristol, assignor to Arthur G. Russell Company, Incorporated, Forestville, Conn. Automatic weighing device for the feed-box of carding machines. 2,597,831, May 20.

Wills, Marion C., and W. J. Wills, Topeka, Kans. Bucket dumping mechanism for dump type scoops. 2,597,692, May 20.

Wills, Wayne J.: *See*—
Wills, Marion C. and W. J.

Winchester, Amos J., Jr.: *See*—
Schaelchlin, Walter, and Winchester.

Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting device. 2,597,606, May 20.

Winslow, Arthur F.: *See*—
Hull, Edwin H., and Winslow.

Winter, Paul G., Indianapolis, Ind. Microthermal responsive control system. 2,597,272, May 20.

Wippert, James A.: *See*—
Stamper, Hamilton A., Nelson, and Wippert.

Wiremold Company, The, assignee: *See*—
Murphy, Robert H., and D'Esopo.

Wisner, Norman M.: *See*—
Pond, Leander N., and Wisner.

Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber for railway car trucks. 2,597,768, May 20.

Wix Accessories Corporation, assignee: *See*—
Alexander, Leon G., and Sherrill.

Wolcott, Herbert, Jr., Columbia, Mo. Continuous regeneration system. 2,597,693, May 20.

Wolf, Charles H., Kansas City, Mo. Expanding fishhook assembly. 2,597,832, May 20.

Wood, Harry P., Westwood, assignor to Arthur D. Little, Inc., Cambridge, Mass. Forming dispersions. 2,597,422, May 20.

Woodbury, Roger B., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pip selector. 2,597,214, May 20.

Worth, Thomas F., Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine end shield and bearing housing. 2,597,694, May 20.

Worthington Pump and Machinery Corporation, assignee, *See*—
McBride, Edward J.
Platts, Howard H.

Woynar, Basil, Chicago, Ill., assignor to Combustion Engineering Superheater, Inc. Steam generator. 2,597,423, May 20.

Wright, Stephen A., and L. E. Beadles, Canton, Ill. Heater. 2,597,215, May 20.

Wyeth Incorporated, assignee: *See*—
Bruce, William F.
Bruce, William F., Szabo, and Tubis.

Wylie, Harold B., Woodstock, Conn., assignor to Swank, Inc. Cuff button. 2,597,216, May 20.

Wynn, Arthur H. A., assignor to A. C. Cossor Limited, London, England. Radio receiver circuits. 2,597,142, May 20.

Wynne, Ira H.: *See*—
Manegold, Robert L., and Wynne.

Yarnall, Robert, executor: *See*—
Stokes, John S.

Yates, John T., and I. N. Vaughan-Jones, Hollinwood, England, assignors to Hazeltine Research, Inc., Chicago, Ill. Pulse-signal translating arrangement. 2,597,833, May 20.

Yuba Manufacturing Company, assignee: *See*—
Harris, Robert L., and Lothrop.

Zahnfabrik Wienand Soehne und Co., G. m. b. H., assignee: *See*—
Gatzka, Konrad.

Zearfoss, Elmer W., Jr.: *See*—
Shoemaker, Malcolm G., and Zearfoss.

Zenick, Raymond G., Burbank, assignor to Filterall Co., Inc., Glendale, Calif. Filter apparatus. 2,597,217, May 20.

Zenith Radio Corporation, assignee: *See*—
Gerber, George A., and Mullaney.

Ziems, Elmer A.: *See*—
Reaser, William A., Ziems, and Christman.

Znaidukas, John A., Philadelphia, Pa., assignor of one-half to T. P. Welsh. Antenna orientation control. 2,597,424, May 20.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for dressing valve seat grinding stones for convex valve seats. G. C. Wilhide. Re. 23,500, May 20.
Apparatus for the rapid vaporization of water by means of a solid combustible. R. Esnault-Pelterie. Re. 23,494, May 20.
Bottle carrier. S. Lighter. Re. 23,501, May 20.
Control device for the power units of aircraft. H. A. Alexanderson and R. Z. Hague. Re. 23,490, May 20.
Dental surveyor and coordinator. V. Stoll. Re. 23,498, May 20.
Envelopes of electron discharge and other evacuated devices, Manufacture of the. E. Despois. Re. 23,492, May 20.
Hem garment construction, Extensible. B. Caplan. Re. 23,491, May 20.
Liquid level gauge. A. Edelman. Re. 23,493, May 20.
Modified lard and producing same. R. J. Vander Wal and L. A. Van Akkeren. Re. 23,499, May 20.
Resuscitator. H. Seeler. Re. 23,496, May 20.
Shoe last. E. J. McDaniel and A. R. Summers. Re. 23,495, May 20.
Starter jaw actuating mechanism. R. W. Stelzel. Re. 23,497, May 20.

LIST OF PLANT INVENTIONS

Peach tree. G. Merrill. 1,097-9, May 20.

LIST OF DESIGN INVENTIONS

Artificial bait. W. C. Klenk, III. 166,809, May 20.
Ash tray and cigarette container, Combined. E. G. Donaldson. 166,805, May 20.
Ash tray or similar article. W. F. Vernon. 166,834, May 20.
Automobile. H. Thompson. 166,833, May 20.
Base support for clamp type food grinder or similar article. R. M. Marcantonio. 166,814, May 20.
Bed, Bunk. A. Brill. 166,796, May 20.
Boot. I. D. Wilcox. 166,837, May 20.
Cabinet, Combination television and radio-phonograph. S. E. Adler. 166,786, May 20.
Cabinet, Radio. S. E. Adler. 166,788, May 20.
Candle, Decorative. A. A. de Berg. 166,802, May 20.
Candy bar. C. M. Kretchmer. 166,810, May 20.
Chair, Reclining. R. A. Maurer. 166,815, May 20.
Cleaner and scraping unit. S. Lustbader. 166,812, May 20.
Container for liquids, Dispensing. M. E. Olson. 166,820, May 20.
Desk. A. O. Garrett. 166,803, May 20.
Dispenser, Wax paper. P. De Grace. 166,804, May 20.
Doll. I. I. Meeker. 166,816, May 20.
Drawer pull. J. R. Jones. 166,806, May 20.
Game board. N. F. Butterworth. 166,798, May 20.
Game board, Canasta. N. H. Bell and P. C. Rich. 166,790, May 20.
Glass, Child's drinking. E. R. and C. O. Thompson. 166,832, May 20.
Hanger for automobiles or the like, Clothes. H. Bookman and E. E. Dalton. 166,792, May 20.
High chair and stroller, Combined. J. B. Peterson. 166,822, May 20.
Holder, Deodorant block. A. L. Le Febvre. 166,811, May 20.
Hose and slipper-sole assembly, Combination. C. Davidson. 166,801, May 20.
Lamp base, Electric. D. Borowitz. 166,793-4, May 20.
Link chain. L. R. Pauwels. 166,821, May 20.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 166,823, May 20.
Map holder or similar article. G. C. Bright. 166,795, May 20.
Melting pot for cosmetic pomade. P. L. Schluttig. 166,827, May 20.
Name plate. J. H. Walter. 166,836, May 20.
Pan, Meat cooking. W. J. Sherman. 166,829, May 20.
Shirt. W. J. Buford. 166,797, May 20.
Shoe or similar article. J. Sandler. 166,824-5, May 20.
Showcase. D. Chapman. 166,799, May 20.
Sign, Portable illuminable direction. S. G. Costas. 166,800, May 20.
Slipper or similar article, Bedroom. R. Alpert. 166,789, May 20.
Stocking. O. A. Seay. 166,828, May 20.
Stocking, Lady's. W. Mueller. 166,818–19, May 20.
Stopper for a bottle, Dispenser. A. L. Voight. 166,835, May 20.
Table base or similar article, Reversible. C. C. Shinn. 166,830, May 20.
Television cabinet control panel. S. E. Adler. 166,787, May 20.
Tool, Garden. E. J. Kilgore. 166,808, May 20.
Toy bow gun or similar article. D. H. Stevens. 166,831, May 20.
Toy, Educational. J. D. Biever. 166,791, May 20.
Toy or the like, Blowout. D. Kaye and E. Dukoff 166,807. May 20.
Tractor seat. D. G. Zank and N. J. Harvey. 166,838, May 20.
Tray, Serving. L. M. Schnitzer. 166,826, May 20.
Wheelbarrow, Power-operated. H. W. Miller and R. E. Andrews. 166,817, May 20.
Wheel cover member or similar article. G. A. Lyon 166,813, May 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading unit. E. H. White. 2,597,421, May 20.
Absorption refrigerating apparatus. C. C. Coons. 2,597,777–8, May 20.
Absorption refrigerating apparatus. G. T. Piper. 2,597,813, May 20.
Accessory system. A. Rappl. 2,597,672, May 20.
Accounting device. T. S. Skillman and A. D. Lackey. 2,597,538, May 20.
Acetyl globin and preperation. H. N. Beniams. 2,597,432, May 20.
Adhesive composition, Water-insoluble. J. J. Koenig, F. G. Erskine and A. R. McManus. 2,597,006, May 20.
Adhesive liquid compositions suitable for electrostatic dust precipitators. J. Swiss and G. W. Hewitt. 2,597,201, May 20.
Adjustable current compensation on dynamic-electric machine. W. Schaelchlin and A. J. Winchester, Jr. 2,597,191, May 20.
Adjustable lap. R. G. Roshong. 2,597,187, May 20.
Adjustable means for hospital tables. C. C. Curtis. 2,596,986, May 20.
Adjustable music rack. P. M. Grant. 2,597,581, May 20.
Adjusting the speed of variable-speed turntables. G. A. Gerber and R. A. Mullaney. 2,597,238, May 20.
Aircraft approach system. R. C. Hergenrother. 2,597,321, May 20.
Aircraft control apparatus. W. J. McGoldrick. 2,597,789, May 20.
Aircraft navigation and instrument landing system. O. S. Field and S. N. Wight. 2,597,784, May 20.
Air depolarized cell. P. A. Marsal and R. P. Fox. 2,597,116, May 20.
Airplane control system, Full-power boost. I. L. Ashkenas. 2,597,769, May 20.
Airplane with detachable fuselage. J. H. Breazeale, Jr. 2,597,563, May 20.
Air spring dual wheel running gear. E. Mullen and L. H. Garman. 2,597,122, May 20.
Alarm, Fluxmeter. E. R. Haberland. 2,596,994, May 20.
Aligner for shaft housings. F. Erhardt. 2,597,308, May 20.
Alkylcyclopentane hydrocarbons and benzenoid hydrocarbons, Production of. H. Pines and V. N. Ipatieff. 2,597,372, May 20.
Alloy: *See*—
Hot workable nickel alloy. Lead base alloy.
Alternate object display apparatus. H. S. White. 2,597,605, May 20.
Alternating current synchronous induction disk motor with means for eliminating backlash and overrun of gear trains associated with electric motors. F. A. Pearson. 2,597,369, May 20.
Amplifier, Electron discharge. R. F. Foster. 2,597,629, May 20.
Animal trap. J. D. Pirtle. 2,597,814, May 20.
Anion exchange of thiamin salts. E. E. Howe and M. Tishler. 2,597,329, May 20.
Anion-exchange polymers of vinylanisole. J. C. H. Hwa. 2,597,493, May 20.
Anion-exchange resins. J. C. H. Hwa. 2,597,491, May 20.
Announcer and advertising machine, Station and street. E. E. Lintz. 2,597,114, May 20.
Antenna. J. H. Gardner. 2,597,313, May 20.
Antenna. W. Sichak. 2,597,391, May 20.
Antenna. R. M. Silliman. 2,597,392, May 20.
Antenna, Directional. H. Krutter. 2,597,339, May 20.
Antenna mount. F. C. Jackson. 2,597,733, May 20.
Antenna orientation control. J. A. Znaidukas. 2,597,424, May 20.
Antifriction structure for worm wheels and the like. A. Setter. 2,597,389, May 20.
Antiskid device for automobile tires and the like. W. L. McGuinness. 2,597,160, May 20.
Antistatic agent, treatment of shaped articles therewith, and treated articles. A. Cresswell. 2,597,708, May 20.
Apparatus for automatically glazing elements arranged on flexible bands, particularly for coloring sliding clasp fasteners. E. Armari. 2,597,049, May 20.
Apparatus for coating beads. R. F. Brewer. 2,597,613, May 20.
Apparatus for drawing elongated metal objects. W. E. Kerr. 2,597,500, May 20.
Apparatus for filling writing implements. P. Kollsman. 2,597,250, May 20.
Apparatus for finishing roads. H. A. Barber. 2,597,221, May 20.
Apparatus for gas analysis. J. G. Fleming. 2,596,992, May 20.
Apparatus for halving almonds. D. R. Bailey. 2,597,279, May 20.
Apparatus for inverting lamp tubes. J. H. Brooks. 2,597,283, May 20.
Apparatus for lapping shoulders. R. G. Roshong. 2,597,382, May 20.
Apparatus for lubricating plastic materials undergoing extrusion. D. J. Weber. 2,597,553, May 20.
Apparatus for manufacturing taper tubing. H. F. Dies and F. N. Blackmore. 2,597,623, May 20.
Apparatus for measuring distance. A. Alford and H. M. Hart. 2,597,607, May 20.
Apparatus for mercerizing cloth. M. S. Dayan. 2,597,572, May 20.
Apparatus for scribing dental models. D. S. McPhee. 2,597,661, May 20.
Apparatus for mold casting of metals. Manuel and Mario Tama and J. L. Hoff. 2,597,269, May 20.
Apparatus for treating liquid sewage and the like. S. E. Kappe. 2,597,802, May 20.
Apparatus for treating textile materials. A. O. Hurxthal. 2,597,490, May 20.
Apparatus for treatment of tubular knitted fabrics. F. R. Redman. 2,597,528, May 20.
Apparatus for wrapping articles. J. S. Stokes. 2,597,041, May 20.
Apparatus operating the flying controls of aircraft. R. Westbury. 2,597,420, May 20.
Applying moistureproof coating to regenerated cellulose. N. Drisch and P. Herrbach. 2,597,625, May 20.
Applying thermoplastic closures to bottles and other containers. E. T. Webb. 2,597,830, May 20.
Aqueous electrolyte for primary galvanic cell. E. A. Schumacher and P. S. Brooks. 2,597,117, May 20.
Arc starting system. A. U. Welch, Jr. 2,597,689, May 20.
Article supporting device, Portable knockdown. W. C. Martino. 2,597,157, May 20.
Artificial ceramic teeth, Producing. K. Gatzka. 2,597,469, May 20.
Automatic adjusting tappet. R. Chilton. 2,597,618, May 20.
Automatic cooling system. J. Burich. 2,597,061, May 20.
Automatic cushion stuffer with belt conveyer and reciprocating follower. E. J. Stauffer. 2,597,397, May 20.
Automatic electronic switching by time delay signal for telephone systems. E. M. Deloraine and P. R. Adams. 2,596,989, May 20.
Automtaic feeding system. T. B. Charles and R. R. Skelton. 2,597,064, May 20.
Automatic governor attachment for fishing reels. C. L. Hockney. 2,597,486, May 20.
Automatic machine for freezing spiral ice chips. J. M. Nitsch. 2,597,515, May 20.
Automatic replacement of defective repeaters in high-frequency electric communication systems. C. G. Treadwell. 2,597,043, May 20.
Automatic retarder, Bowling ball. L. F. Cowgill. 2,597,072, May 20.
Automatic valve. R. D. Sweeny and W. L. Coutchure. 2,597,402, May 20.
Automatic volume control circuits. W. J. O'Brien. 2,597,520, May 20.
Automatic weighing device for the feedbox of carding machines. G. N. Willis. 2,597,831, May 20.
Automobile body, Open. A. R. Lindsay. 2,597,837, May 20.
Automotive power-transmitting system and mechanism. G. T. Randol. 2,597,840, May 20.
Auxiliary fuel chamber. M. E. Chandler. 2,597,776, May 20.
Auxiliary tens-transfer control mechanism. G. W. Hopkins and J. E. Grobl. 2,597,488, May 20.
Auxiliary tens-transfer control mechanism. A. B. Machado and G. Plunkett. 2,597,507, May 20.
Auxiliary tens-transfer mechanism. G. C. Ellerbeck. 2,597,463, May 20.
Auxiliary tens transfer mechanism. G. W. Hopkins and J. E. Grobl. 2,597,487, May 20.
Awning. A. Chrosnik. 2,597,225, May 20.

Awning hanger structure. L. D. Graham. 2,597,633, May 20.
Bag: *See*—
Wheeled shopping bag.
Bag. J. F. Doyle. 2,597,305, May 20.
Bag-filling device. R. W. E. Nash. 2,597,364, May 20.
Bale loading machine. E. H. Appel. 2,597,219–20, May 20.
Banding machine. C. W. Sackett. 2,597,675, May 20.
Barium silicate phosphor, Preparing. H. C. Froelich. 2,597,631, May 20.
Basket, Safety ladder. L. R. Sitek. 2,597,756, May 20.
Beam centering device for cathode-ray tubes. P. R. J. Court. 2,597,298, May 20.
Beam deflector for cathode-ray tubes. M. Emmer and J. E. Henschel. 2,597,465, May 20.
Bearing: *See*—
Double-ended journal air bearing. Journal bearing.
Bearing and stabilizing mechanism for centrifugal separators, Combined. J. E. Tholl. 2,597,405, May 30.
Bearing structure. G. E. Mégel and H. Mancia. 2,597,161, May 20.
Bed operating means. B. F. Upham. 2,597,687, May 20.
Beehive super. R. P. Hamilton. 2,596,995, May 20.
Belts, Making. R. J. Gorecki. 2,597,790, May 20.
Bench, Optical. C. W. North. 2,597,168, May 20.
Bit: *See*—
Drill bit. Rock drill bit.
Blade and handle combination. A. Papp. 2,597,258, May 20.
Blade element for rotary fluid machines. E. J. McBride. 2,597,510, May 20.
Blast furnace support. F. E. Kling. 2,597,501, May 20.
Block: *See*—
Electric connector block. Lens block.
Body and fender straightening tool. J. M. Johnson and B. P. Leaf. 2,597,103, May 20.
Body for a chuck having radially movable jaws. D. B. Huntting. 2,597,489, May 20.
Bookholder, Utility. C. S. Tracy. 2,597,206, May 20.
Bottle handling device. A. O. Reinking. 2,597,128, May 20.
Bottle handling device. A. O. Reinking. 2,597,181, May 20.
Bottle viewing machine. D. L. Sissler. 2,597,680, May 20.
Box: *See*—
Paper box.
Brace, Clothesline. W. Felenchak. 2,597,628, May 20.
Bracket: *See*—
Seat supporting bracket.
Bracket for tracks for sliding doors, One-piece supporting. S. B. Haseltine. 2,597,147, May 20.
Bracket for utility stands, End. J. W. Murray. 2,597,166, May 20.
Brake cooling baffle. C. E. Tack. 2,597,603, May 20.
Brake system. R. D. Robison. 2,597,598, May 20.
Brake system for vehicles. R. A. Kropp. 2,597,109, May 20.
Brush wrapping machine, Two-web rotary. J. S. Stokes and E. W. Bleam. 2,597,042, May 20.
Bucket attachment for mine shaft excavations. E. J. Donald. 2,597,711, May 20.
Bucket dumping mechanism for dump type scoops. M. C. and W. J. Wills. 2,597,692, May 20.
Buckle, Belt. C. Marien. 2,597,155, May 20.
Buckle, Key retaining. F. Oldal. 2,597,170, May 20.
Burner: *See*—
Internally fired sheet metal Rotary oil burner.
gas burner.
Burner control, Adjustable viscosity sensitive. R. B. Plass. 2,597,177, May 20.
Bus progress control system. D. E. Noble. 2,597,517, May 20.
Cabinet: *See*—
Display and storage cabinet.
Cabinet and support for containers. E. A. Ferm. 2,597,782, May 20.
Cable system, Electric. C. E. Bennett. 2,597,222, May 20.
Calculator, Fluid flow. J. L. Bartlett and J. R. Davis. 2,597,609, May 20.
Calibrated microphones. J. M. Kendall. 2,597,005, May 20.
Cane, Illuminating. J. Parker. 2,597,172, May 20.
Canopy, Oxygen tent. G. J. Marson. 2,597,655, May 20.
Cap: *See*—
Tamperproof valve cap. Tank cap.
Capacitance device. W. M. Bailey. 2,597,429, May 20.
Carbon black, Manufacture of. W. C. Ekholm and G. L. Heller. 2,597,232–3, May 20.
Carbon filament holder. W. F. Elsholz. 2,597,714, May 20.
Carburetor. R. W. Engnath. 2,597,780, May 20.
Carburetor flow testing apparatus. J. L. Edelen. 2,597,231, May 20.
Carburetor testing machine. J. C. Abbott. 2,597,274, May 20.
Carrier: *See*—
Bottle carrier.
Fishhook and leader carrier.
Carrying device, Irrigation pipe. H. J. Strahm. 2,597,760, May 20.
Cart for household use, Laundry. J. B. Swain. 2,597,544, May 20.
Cart, Golf club. H. A. Schmid. 2,597,386, May 20.
Case: *See*—
Portable utility case.
Cathode-ray storage tube. W. E. Mutter. 2,597,363, May 20.
Cathode-ray tube screen treatment. A. L. Samuel. 2,597,383, May 20.
Cathode-ray wave generator. C. L. Cuccia. 2,597,571, May 20.
Cation-exchange polymers of the carboxylic type. G. W. Bodamer. 2,597,437, May 20.
Cation-exchange polymers of the sulfonic type. G. W. Bodamer. 2,597,438, May 20.
Cation-exchange polymers of vinylanisole. J. C. H. Hwa. 2,597,492, May 20.
Ceiling fixture having magnetically attachable and adjustable light source, Recessed. A. F. Ordas. 2,597,595, May 20.
Cement lining for metal pipe. A. L. Peckman. 2,597,370, May 20.
Ceramic tool. J. E. Kemper. 2,597,336, May 20.
Chair: *See*—
Easy chair.
Chamfer attachment for hand planes. P. J. Mastripolito. 2,597,158, May 20.
Change container. T. Newman. 2,597,365, May 20.
Checking means for pulse counting circuit. A. E. Bachelet. 2,597,428, May 20.
Child's walking and riding vehicle. L. V. I. Powell. 2,597,748, May 20.
Chlorine containing condensation products of phenols and sulfonated acetaldehydes. J. A. Otto and E. E. Gilbert. 2,597,171, May 20.
Chucking mechanism. A. E. Drissner. 2,597,712, May 20.
Churn, Tumble. M. Clegg. 2,597,291, May 20.
Cigarette extinguisher and ejector. M. Hechtl. 2,597,320, May 20.
Circuit: *See*—
Checking means for pulse counting circuit.
Dual bridge motor control circuit.
Frequency modulation reflex limiting circuit.
Pulse generator circuit.
Pulse modulator circuit.
Sweep and range circuit.
Circuit and device for electric discharge devices, Starting and operating. D. C. Miller. 2,597,591, May 20.
Circuit breaker with blast valve motor assisting the contact motor. I. W. Paterson. 2,597,126, May 20.
Circuit breaker with interlocked blast valve and contact motors. C. D. Ainsworth. 2,597,047, May 20.
Circuit interrupter. A. T. Stratton. 2,597,134, May 20.
Circuit restorer. J. A. Oppel. 2,597,024, May 20.
Circuit tester, Low-voltage. B. Rozett. 2,597,188, May 20.
Clamp: *See*—
Fabric panel clamp.
Hair clamp.
Wire clamp.
Clamp for wire cables. J. Eder. 2,597,626, May 20.
Cleaner: *See*—
Two-arm expanding head tube cleaner. Vacuum cleaner.
Closure for pressurized fuel tanks and the like. T. F. Donovan. 2,597,576, May 20.
Clothes drier. A. W. Lundstrum. 2,597,115, May 20.
Clothesline connector and tightener. D. M. Mackenzie. 2,597,351, May 20.
Clothesline tightener. C. R. Walters. 2,597,210, May 20.
Clothes-washing machine. G. P. Castner. 2,596,980, May 20.
Clothes-washing machine. C. D. Harrell. 2,597,793, May 20.
Clutch: *See*—
Disk clutch. Electromagnetic clutch.
Clutch and brake for electric transmitters. E. P. Turner. 2,597,685, May 20.
Clutch for oscillating fans. G. J. Reisch and W. K. Skolfield. 2,597,034, May 20.
Coil packaging. J. W. Adams. 2,596,970, May 20.
Colloidal barium sulfate, Preparation of. H. L. Sanders. 2,597,384, May 20.
Color correction gauge. G. Mattucci. 2,597,658, May 20.
Columnar selection carriage. T. O. Mehan and G. J. Uhlig. 2,597,162, May 20.
Comb. W. S. Suprowich. 2,597,200, May 20.
Comminuted ferromagnetic cores. A. W. Friend and A. T. Harding. 2,597,236, May 20.
Communication system. N. D. Preston. 2,597,818, May 20.
Communication system, Two-way electric pulse. C. T. Scully. 2,597,038, May 20.
Compensator, Cable tension thermal. C. I. White, Jr., F. R. Young, R. A. Pederson and J. J. Rahn. 2,597,270, May 20.
Complex chromium compounds of 0.0'-dihydroxy azo dyestuffs. G. Schetty. 2,597,676, May 20.
Compressable fastener. J. C. Lang. 2,597,342, May 20.
Computer for solving right triangles. J. W. Gray. 2,597,315, May 20.
Condensation of aromatic hydrocarbons with formaldehyde catalyzed by formic acid. P. D. May and R. J. Lee. 2,597,159, May 20.
Condiment dispenser. F. J. Minturn. 2,597,165, May 20.
Condiment holder. A. F. Reilly. 2,597,749, May 20.

Conduit, Lubricated electrical. R. Couchman. 2,597,706, May 20.
Connected strip of fastener units. J. C. Lang. 2,597,343, May 20.
Connection device for open front conduits. R. H. Murphy and F. P. D'Esopo. 2,597,513, May 20.
Connector: *See*—
Electrical connector.
Container: *See*—
Change container. Live bait container.
Cosmetic container.
Container adapted for support on the upper edges of principal containers, Supplementary. G. R. Garrett. 2,597,468, May 20.
Container having slide-operated foldback covers. H. L. Myers. 2,597,810, May 20.
Container with automatic cover, Slidable. B. D. Goldberg. 2,597,722, May 20.
Container with detachable spout nestable in said container in nonuse position, Dispensing. C. J. Neuner. 2,597,593, May 20.
Control apparatus for centralized lubricating systems. H. R. Tear. 2,597,137, May 20.
Control circuit for operating switches rearward to calling line, Common. J. Kruithof and L. Kozma. 2,597,007, May 20.
Control mechanism for rudder and propeller feathering control. J. M. Nissen. 2,597,020, May 20.
Control system. G. R. Douglas. 2,597,077, May 20.
Control system. F. D. Snyder. 2,597,133, May 20.
Controlling the output of variable displacement pumps. G. J. E. Howard. 2,597,799, May 20.
Cooky making machine. R. J. Williams. 2,597,271, May 20.
Cooling device for engines. F. Trembley. 2,597,549, May 20.
Cosmetic container. E. M. Ross. 2,597,130, May 20.
Coupling: *See*—
Reversible rotary fluid coupling.
Coupling for cathode-ray tubes. R. Barthelemy. 2,597,054, May 20.
Cover and silencer for electric shavers, Combined. S. T. Wagner. 2,597,552, May 20.
Cover construction. F. E. Snow. 2,597,682, May 20.
Cranberry recovery machine. C. E. Sempos. 2,597,131, May 20.
Crop dusting equipment. S. Hiller, Jr. and R. A. Wagner. 2,597,323, May 20.
Cross chain for tire chains. H. St. Pierre. 2,597,762, May 20.
Crystal holder. J. D. Holmbeck. 2,597,797, May 20.
Cuff button. H. B. Wylie. 2,597,216, May 20.
Cultivator disk mounting. D. D. Birt. 2,597,524, May 20.
Cultivator, Subsurface and subsoil. R. J. Altgelt and C. H. Gemberling. 2,597,608, May 20.
Cutting and forming machine. C. Harter. 2,596,997, May 20.
Cutting and slitting device. H. E. Smith. 2,597,540, May 20.
Cutting doweling and like articles. R. H. Hayhurst. 2,597,099, May 20.
Cutting knife slot closing plate. F. W. Seybold. 2,597,826, May 20.
Damper, Vibration. T. H. Peirce. 2,597,747, May 20.
Decoding device. E. F. MacNichol, Jr. 2,597,352, May 20.
Decorating. R. Squires. 2,597,396, May 20.
Dehumidifier. J. W. Case. 2,596,979, May 20.
Dehydration of alcohols. W. E. Lobo and G. T. Skaperdas. 2,597,009, May 20.
Delivery hopper. G. O. Hoffstetter. 2,597,326, May 20.
Demodulator, Balanced. E. B. Hales. 2,597,725, May 20.
Depositing an impervious metal film on a granular surface. V. C. Campbell. 2,597,617, May 20.
Depositor for confectionery machines. G. S. Perkins. 2,597,175, May 20.
Design-reproducing apparatus and stylus unit therefor. E. P. Turner and N. H. Sailer. 2,597,686, May 20.
Device for circulating cooling water in internal-combustion engines. O. Montabone. 2,597,512, May 20.
Device for opening and emptying cartons. S. G. Seidel and R. P. Lownes. 2,597,387, May 20.
Device to conduct aqueous vapor from radiator to carburetor in water-cooled automotive equipment. R. W. Hunter. 2,597,732, May 20.
Diazotype compositions containing unsaturated alkyl N-derivatives of amino diazos. W. H. von Glahn and L. N. Stanley. 2,597,412, May 20.
Dinnerware and apparatus therefor, Making. T. E. Carothers. 2,597,448, May 20.
Directional signal switch. T. W. Drury, N. H. Weber, and E. F. Loro. 2,597,078, May 20.
Dirigible vehicle. C. L. Jasper. 2,597,101, May 20.
Dishwashing apparatus. J. J. McDonald and S. D. Klyce. 2,597,359, May 20.
Disk clutch. J. Maurice. 2,597,356, May 20.
Disk harrow, Offset. W. R. McKay and R. H. Mitchell. 2,597,121, May 20.
Disk sharpener, Cultivator. C. R. Hodges. 2,597,325, May 20.
Disk tiller. W. F. Dukes, Jr. 2,597,079, May 20.
Disk to facilitate plow penetration, Rotary. W. D. Drummond. 2,596,991, May 20.
Dispenser: *See*—
Condiment dispenser. Insecticide dispenser.
Dispensing cap for containers. T. A. Tronson. 2,597,410, May 20.
Dispensing device, Paper. J. F. Siplor. 2,597,602, May 20.
Dispensing machine, Coin-controlled beverage. G. A. Catanzano. 2,597,063, May 20.
Display and storage cabinet. E. F. Bjoro. 2,597,435, May 20.
Display stand. E. W. Hoy. 2,597,731, May 20.
Distributor, Liquid. C. B. Schneible. 2,597,192, May 20.
Door: *See*—
Garage door.
Double-ended journal air bearing. G. S. Perkins, P. R. Vogt, and R. R. Weber. 2,597,371, May 20.
Drafting apparatus of textile spinning and analogous machines. J. B. Arundale and J. J. Haythornthwaite. 2,597,278, May 20.
Drain valve. V. P. Steele. 2,597,399, May 20.
Drapery track and roller assembly. C. S. Charron and A. J. Garvin. 2,597,224, May 20.
Drawbar for harrows, Folding. A. L. Rogers. 2,597,533, May 20.
Drawer hook. J. W. Stringe. 2,597,684, May 20.
Drawing tubes. W. E. Kerr. 2,597,499, May 20.
Drier: *See*—
Clothes drier. Folding clothes drier.
Drill bit. A. L. Bergstrom. 2,597,771, May 20.
Drill bit. J. L. Pilon and A. Beaulieu. 2,597,669, May 20.
Drill point gauge. T. Cuff. 2,597,300, May 20.
Drive and control means for sheet feeding rollers in duplicating apparatus. H. P. Keil. 2,597,804, May 20.
Drive axle mounting for maintaining drive shaft alignment. G. D. Harrah. 2,597,481, May 20.
Dry pipe valve. W. B. Griffith. 2,597,474, May 20.
Dual bridge motor control circuit. A. J. Hornfeck. 2,597,730, May 20.
Duster, Hand-operated. H. E. Brandt. 2,597,282, May 20.
Dynamoelectric machine end shield and bearing housing. T. F. Worth. 2,597,694, May 20.
Ear protector. F. Majewski. 2,597,508, May 20.
Earth induction system. P. A. Noxon. 2,597,125, May 20.
Earth induction system. A. A. Stuart, Jr. 2,597,135, May 20.
Earth mover and loader. C. L. Jeffrey. 2,597,496, May 20.
Earthworking attachment for cultivators. J. W. Rowan. 2,597,821, May 20.
Easy chair. J. D. Julian. 2,597,105, May 20.
Effecting the conversion of organic reactant streams. F. W. Leffer. 2,597,346, May 20.
8-hydroxy-1,2,3,4-tetrahydroquinoline as a silver halide developer. R. R. Burtner and R. T. Dillon. 2,596,978, May 20.
Electric and ultrahigh-frequency heating apparatus, Combination. G. W. Schroeder. 2,597,825, May 20.
Electric connector block. F. H. Burgess. 2,597,286, May 20.
Electric incandescent lamp. R. E. Smith. 2,597,681, May 20.
Electric iron. J. H. Beach. 2,597,700, May 20.
Electric switch. P. M. Christensen. 2,596,983, May 20.
Electric switch. M. N. Glickman. 2,597,080, May 20.
Electric switch. H. V. Nye. 2,597,257, May 20.
Electric water-heating tap. J. L. Duprat. 2,597,713, May 20.
Electrical-conductive rubbery composition and making same. J. H. Macey. 2,597,741, May 20.
Electrical connection plug. A. J. Roger. 2,597,262, May 20.
Electrical connector. K. R. Runde. 2,597,037, May 20.
Electrical crystal contact device. E. G. James and A. O. E. Lindell. 2,597,734, May 20.
Electrical networks for echo correction in electrical signaling systems. D. C. Espley. 2,597,781, May 20.
Electrical switch. A. Hood. 2,597,083, May 20.
Electrically conducting layer. K. B. Blodgett. 2,597,562, May 20.
Electrode for air depolarized primary galvanic cells. E. A. Schumacher and R. J. Bennett. 2,597,119, May 20.
Electrolytic method. M. C. Taylor. 2,597,545, May 20.
Electromagnet. J. Goldman. 2,597,476, May 20.
Electromagnetic clutch. R. Sensaud de Lavaud. 2,597,388, May 20.
Electromagnetic wave control structure. R. E. Clapp. 2,597,144, May 20.
Electromagnetically operated mechanism using resonance effects. A. Bekey. 2,597,559, May 20.
Electron ratchet tube. R. J. Moon. 2,597,360, May 20.
Electronic apparatus. D. H. Fisher. 2,597,310, May 20.
Electronic cathode gate. L. D. Hindall. 2,597,796, May 20.
Electronic motor control. F. D. Snyder. 2,597,136, May 20.
Electro-optical device. B. T. Matthias. 2,597,589, May 20.
Elevator control system. P. C. Keiper and W. H. Esselman. 2,597,586, May 20.

Employment of nonaqueous well drilling fluids. D. H. Larsen. 2,597,085, May 20.
Engine: *See*—
Thermodynamic engine.
Engine cowl for aircraft. L. M. Michard. 2,597,663, May 20.
Engine starting device. A. H. Winkler. 2,597,606, May 20.
Equilenin-3-monosulfate and alkaline salts thereof. G. A. Grant and W. L. Glen. 2,597,471, May 20.
Equilin-3-monosulfate and alkaline salts thereof. G. A. Grant and W. L. Glen. 2,597,723, May 20.
Ethylenesulfonic acid, Preparation of. J. A. Anthes and J. R. Dudley. 2,597,696, May 20.
Expansible last. E. W. Stacey. 2,597,197, May 20.
Extracting uranium from bituminous shales and shale culm containing uranium. M. Larsson. 2,597,504, May 20.
Extrusion die for solventless powder. H. E. Higbie. 2,597,638, May 20.
Fabric: *See*—
Woven elastic fabric.
Fabric panel clamp. W. R. Swanson. 2,597,401, May 20.
Fabrication of garment fastening element. L. Markin. 2,597,654, May 20.
Fastener: *See*—
Compressable fastener. Temporary button fastener.
Fastener and making the same, Driven. J. C. Lang. 2,597,344, May 20.
Fatty acid polyglycol-aliphatic amine combinations useful as textile softeners and producing the same. A. A. Cook and I. Sapers. 2,596,985, May 20.
Fermentation process for producing grisein. D. Hendlin. 2,596,969, May 20.
Fertilizer beater and spreader. E. V. Barker. 2,597,052, May 20.
Filament transfer and mounting apparatus for lamp stems. H. B. Maloney. 2,597,354, May 20.
Filling replenishing mechanism for automatic filling replenishing looms. E. L. Roullard. 2,597,599, May 20.
Film supply and take-up apparatus. J. L. Pettus. 2,597,176, May 20.
Filter. G. R. Ericson. 2,597,235, May 20.
Filter apparatus. R. G. Zenick. 2,597,217, May 20.
Firearm with compass in stock. E. F. White and M. J. La Viano. 2,597,212, May 20.
Fishhook and leader carrier. V. S. Dillingham. 2,597,304, May 20.
Fishhook assembly, Expanding. C. H. Wolf. 2,597,832, May 20.
Fishhook disengaging device. E. P. Cox. 2,597,229, May 20.
Fish lure. J. J. Hardy. 2,597,792, May 20.
Fishing bobber. A. H. D. Kile. 2,597,836, May 20.
Fishing float, Controlled. M. R. Caldwell. 2,597,288, May 20.
Fishing float, Variable depth remote-controlled. B. C. Kay and I. B. Hagar. 2,597,737, May 20.
Fishing hook. F. Schwarzer. 2,597,679, May 20.
Fishing lure. W. H. Rickard. 2,597,035, May 20.
Fixed electrical resistance element and manufacturing the same. J. N. Coates. 2,597,226, May 20.
Flash analyzer. B. M. Jaffe. 2,597,001, May 20.
Flashlight attachment for guns. D. G. Chandler and W. W. Bryson. 2,597,565, May 20.
Flashlight having a reversible contact plate for establishing either series or series-parallel connections. J. L. Cunningham. 2,597,073, May 20.
Flatiron, Steaming and pressing. H. L. Gordon. 2,597,314, May 20.
Fleecelike stripping for boot tops or the like. L. S. Brown. 2,597,285, May 20.
Fluid clutch with servo engagement. R. Lapsley. 2,597,502, May 20.
Fluid pressure indicator. J. L. Gratzmuller. 2,597,724, May 20.
Fluid receptacle. E. W. Erikson. 2,597,715, May 20.
Fluorine-containing organosilicon compounds. L. W. Frost. 2,596,967, May 20.
Fluoroalkyiphosphoric compounds. A. F. Benning. 2,597,702, May 20.
Flushing device for toilets. K. Beyrodt. 2,597,560, May 20.
Fly rod spinning reel. H. B. Haase. 2,597,318, May 20.
Flywheel tool. J. A. Riordan. 2,597,376, May 20.
Folding clothes drier. V. E. Gleasman. 2,597,788, May 20.
Forming dispersions. H. P. Wood. 2,597,422, May 20.
Forming hollow cellulose ester articles. P. R. Hawtin. 2,597,098, May 20.
Forming starting sheets for electrolytic refining of nickel. W. J. Cook and J. H. Tuck. 2,597,296, May 20.
Frame construction around openings of trailers and other vehicles and structures. E. T. Ridgway. 2,597,841, May 20.
Frame straightening device. J. L. Elam. 2,597,234, May 20.
Frame structure for gyratory crushers. S. W. Traylor, Jr. 2,597,548, May 20.
Freezing ice in small masses. A. Lee and E. Lieberman. 2,597,008, May 20.
French window lock. N. O. Holmsten. 2,597,583, May 20.
Frequency modulation reflex limiting circuit. R. B. Dome. 2,597,575, May 20.
Fretting corrosion-preventing means. R. A. Baudry and P. R. Heller. 2,597,055, May 20.
Friction shock absorber for railway car trucks. W. E. Withall. 2,597,768, May 20.
Fuel carbureting apparatus. S. P. Jones. 2,597,335, May 20.
Furniture, Article of. S. T. Anderson. 2,597,277, May 20.
Gangplank, Movable. D. S. Whiteman. 2,597,213, May 20.
Garage door. R. L. Fontaine. 2,597,786, May 20.
Garage door. P. R. Schreiber. 2,597,824, May 20.
Garment, Child's one-piece bifurcated winter. J. Weingarten. 2,597,211, May 20.
Garment suspension. S. Eisenberg. 2,597,462, May 20.
Gas burner jet flash tube and connector. P. S. Harper. 2,597,480, May 20.
Gas control for cooking ranges. A. G. Sherman. 2,597,266, May 20.
Gate: *See*—
Electronic cathode gate. Pouring gate.
Gate for material-handling hoppers, Feed control. M. W. Roscoe and R. L. Beldin. 2,597,186, May 20.
Gauge: *See*
Color correction gauge. Setback gauge.
Drill point gauge. Wheel type screw thread gauge.
Liquid level gauge.
Gauge. L. R. Pistoles. 2,597,030, May 20.
Gear: *See*—
Air spring dual wheel running gear.
Gear chamfering hob. N. C. Remich. 2,597,129, May 20.
Generator: *See*—
Cathode-ray wave generator. Thermoelectric power generator.
Speed responsive generator. Ultrahigh-frequency noise generator.
Steam generator. Vertical sweep generator.
Generator speed control. H. L. McCormick. 2,597,357, May 20.
Glass-cutting apparatus. S. Frank. 2,597,311, May 20.
Glass melting method. G. E. Howard. 2,597,640, May 20.
Glass melting method and apparatus. G. E. Howard. 2,597,585, May 20.
Glass severing apparatus. L. N. Pond and N. M. Wisner. 2,597,373, May 20.
Glassworking methods. C. W. Doyle. 2,596,990, May 20.
Gown, Surgeon's. H. C. Cookman. 2,597,568, May 20.
Grading and corona shield, Combined. R. L. McCoy. 2,597,590, May 20.
Grading apparatus. C. L. Key. 2,597,108, May 20.
Grain scalper, Multiple. A. H. Shepardson. 2,597,390, May 20.
Grass and other agricultural green crop drying plant. E. W. Borrow. 2,597,441–2, May 20.
Grass elevator and container attachment for lawn mowers. L. R. Provost. 2,597,819, May 20.
Grass trimmer. E. F. Britten, III. 2,597,774, May 20.
Gravel pack completion method. T. S. West. 2,597,554, May 20.
Grinding machine, Centerless. O. E. Hill. 2,597,242, May 20.
Grinding machine, Rotary edge. W. A. Reaser, E. A. Ziems, and J. M. Christman. 2,597,180, May 20.
Grinding of longitudinally curved rollers. F. P. Hegeman. 2,597,795, May 20.
Grinding wheel dressing mechanism. S. P. Bruce. 2,597,616, May 20.
Guide means for wood shapers. C. H. Kemmerer. 2,597,646, May 20.
Gun, Internally fired perforating. J. O. Tow. 2,597,409, May 20.
Gyroscope system, Compensated vertical. H. Konet. 2,597,151, May 20.
Hackamore. H. O. Jones. 2,597,736, May 20.
Hair clamp. I. Meohas. 2,597,254, May 20.
Hairspring vibrating stand. L. M. Grether, H. A. Turner, and F. R. Schweigler. 2,597,316, May 20.
Hair trimmer, Razor type. W. M. Mansfield. 2,597,653, May 20.
Hammer mill with adjustable grater. V. Jindfich. 2,597, 333, May 20.
Handkerchief, Simulated. S. E. Ginal, Jr. 2,597,146, May 20.
Hanger means for Venetian blinds. F. X. Ganter. 2,597,578, May 20.
Harvester, Self-leveling bean and pea. R. and W. Ritter. 2,597,673, May 20.
Harvesting machine. J. M. Dietrich. 2,597,076, May 20.
Hatband, Fisherman's. E. L. Sherman. 2,597,601, May 20.
Hat size adjuster. L. Widder. 2,597,555, May 20.
Headstock mounting. E. E. Hosea. 2,597,328, May 20.
Heat exchanger. M. Frenkel. 2,597,091, May 20.
Heat sealing apparatus, code printer, and punch, Combined. J. J. Grevich. 2,597,634, May 20.
Heated drum for warm air furnaces. P. B. Patton. 2,597,026, May 20.
Heater. S. A. Wright and L. E. Beadles. 2,597,215, May 20.
Heel, Cushion. V. Šlampa. 2,597,393, May 20.
Helicopter control system. S. J. Mikina. 2,597,164, May 20.

Helmet, Crash. C. Tucker and L. A. Lyle, Jr. 2,597,764, May 20.
Hermetically sealed meal compact. I. Como. 2,597,567, May 20.
High-frequency superregenerative apparatus. W. W. Hansen. 2,596,996, May 20.
High voltage protective gap device. R. E. Marbury. 2,597,012, May 20.
Highly polymeric linear polymethylene terephthalates in solution and precipitation thereof, Manufacture of. E. F. Izard and L. A. Auspos. 2,597,643, May 20.
Hinge. J. W. Patton and R. G. Cudini. 2,597,174, May 20.
Hinge and latch for playpens, Combination. W. A. Hildreth. 2,597,630, May 20.
Hitch. C. M. Harris. 2,597,096, May 20.
Holder: *See*—
Carbon filament holder. Crystal holder.
Condiment holder. Milk can holder.
Holder for bottles or the like, Detachable. T. K. Irwin. 2,597,642, May 20.
Holder for towels and the like. G. C. Leimer. 2,597,112, May 20.
Holding and guide means for mortising drills. F. J. Kornmayer. 2,597,152, May 20.
Hook: *See*—
Drawer hook. Fishing hook.
Hot workable nickel alloy. J. H. Johnson and O. W. Simmons. 2,597,495, May 20.
House marker. A. H. Johnson. 2,597,003, May 20.
Hydraulic booster and lever means for conveying speed control signals to a control lever for speed governors, throttles, or the like. H. H. Platts. 2,597,815, May 20.
Hydraulic press in which the thrust of the ram and the reaction of the slide bar are equalized. A. K. Nowak. 2,597,169, May 20.
Hydraulic press speed control mechanism. F. J. Katz. 2,596,988, May 20.
Hydraulic transmission for reproducing mechanical motions at remote points. P. G. J. M. Audemar. 2,597,050, May 20.
Index tab. L. E. Auckley. 2,597,426, May 20.
Indicator: *See*—
Fluid pressure indicator. Range height indicator.
Insecticide dispenser. G. Brown. 2,597,775, May 20.
Instrument, Multirecord accounting. L. S. Gleaves. 2,597,579, May 20.
Instrument, Rotary manicuring. M. Kessler. 2,597,526, May 20.
Instrument, Speed and/or distance determining. H. L. Reilly, F. H. Scrimshaw, and A. G. Bone. 2,597,531, May 20.
Instrument, Stringed musical. M. Maccaferri. 2,597,154, May 20.
Insulating lath for building and like structures. J. L. Finck. 2,597,309, May 20.
Insulation of ferromagnetic particles. G. O. Altmann. 2,597,276, May 20.
Insulator bushing seal. J. D. Reid. 2,597,596, May 20.
Internally fired sheet metal gas burner. S. Cardella and H. G. Eriksson. 2,597,062, May 20.
Interrupted thread type slidable jaw wrench. J. T. Tedesco. 2,597,403, May 20.
Iron: *See*—
Electric iron. Steam pressing iron.
Jack: *See*—
Post straightening jack.
Jack adapted for moving loads along a rod. N. E. Wikström. 2,597,691, May 20.
Jaw assembly for wrenches of the Stillson type. B. Roberts. 2,597,184, May 20.
Jaw insert for needle holders, Hardened. L. R. Snowden. 2,597,394, May 20.
Jet-propelled rotary airfoil and fuel valve. G. A. Gruss. 2,597,582, May 20.
Jet propulsion system for airplanes. H. A. Berliner. 2,597,610, May 20.
Joint: *See*—
Universal joint. Wave guide joint.
Joint. H. W. Harrison and R. Bassinger. 2,597,482, May 20.
Joint for wave guides. W. M. Goodhue. 2,597,081, May 20.
Journal bearing. F. Noe. 2,597,516, May 20.
Kite, Water. H. L. Gross. 2,597,317, May 20.
Labeling machine. N. Beck. 2,597,431, May 20.
Lamp: *See*—
Electric incandescent lamp.
Portable self-contained reading lamp.
Latching means for electric motor shafts. O. S. Field. 2,597,785, May 20.
Lawn mower. I. Jepson. 2,597,735, May 20.
Lead base alloy. J. F. Ednie. 2,597,461, May 20.
Leak tester, Joint. D. U. Shaffer. 2,597,193, May 20.
Lens block. M. Suben. 2,597,543, May 20.
Lever mechanism for clutches. G. E. Dath and H. W. Mulcahy. 2,597,709, May 20.
Light fixture with housed yieldable socket means, Channeled tube. A. O. Boutelle and R. C. Kuder. 2,597,060, May 20.
Lighting device, Roadside signal. E. M. Clines. 2,597,705, May 20.
Lighting fixture for elongated tubular lamps, Electric. K. B. Lacy and W. E. Janness. 2,597,739, May 20.
Liquid density apparatus. R. D. Cowherd. 2,597,621, May 20.
Liquid level control means. H. M. Staggs and L. F. Davis. 2,597,198, May 20.
Liquid mixer. S. Shields. 2,597,536, May 20.
Live bait container. E. L. Johnson and E. J. Scofield. 2,597,002, May 20.
Load weighing device, Bending beam. A. C. Ruge. 2,597,751, May 20.
Loading machine, including a flexible trough, Underground. A. L. Lee. 2,597,345, May 20.
Loading mechanism for cap pistols. H. F. Everett. 2,597,089, May 20.
Loading mechanism for cooky coating apparatus and the like. N. J. Watson. 2,597,415, May 20.
Lock: *See*—
French window lock. Window lock.
Log turner, Hook type sawmill. I. L. Hale. 2,597,319, May 20.
Lubricant. R. L. Merker and C. R. Singleterry. 2,597,018, May 20.
Lubricant containing selenium compounds. W. Lowe, W. T. Stewart, and J. O. Clayton. 2,597,835, May 20.
Lubricating oils. D. F. Wilcock and M. M. Sprung. 2,597,045, May 20.
Luggage compartment, Turret top. W. E. Martin. 2,597,656, May 20.
Machine for angularly guiding and mounting tires on wheels. W. F. Simpson. 2,597,268, May 20.
Machine for filling and capping bottles and like containers. A. Graham-Enock. 2,597,791, May 20.
Machine for forming cutters. J. J. Lucas. 2,597,648, May 20.
Machine for grinding edges of glass plates. K. A. Weber. 2,597,416, May 20.
Machine for grinding the main bearing pins and crankpins of crankshafts. R. Musyl. 2,597,167, May 20.
Machine for inserting filter plugs in cigarette tubes. H. Gamble. 2,597,720, May 20.
Machine for use in producing one-piece multifocal ophthalmic lens blanks. 2,597,022, May 20.
Machine for use in the manufacture of shoes. B. Jorgensen. 2,597,004, May 20.
Magazine fastening device for shotguns. L. F. Mulno. 2,597,746, May 20.
Magnetic separation. R. L. Manegold and I. H. Wynne. 2,597,652, May 20.
Magnetic separator. K. A. Blind. 2,597,561, May 20.
Magnetometer, Ultrahigh-frequency. T. Kahan. 2,597,149, May 20.
Maintaining the viscosity of ink through circulation, Process and apparatus for. J. D. Gray. 2,597,472, May 20.
Making hollow bodies from fusible plastic materials. C. V. Carlson. 2,597,704, May 20.
Manicuring device, Power-driven. M. Kessler. 2,597,525, May 20.
Manufacturing of phosphate containing coating products for the protection of metals against corrosion. O. Thome-Johannesen. 2,597,406, May 20.
Marine structure. R. Lacy. 2,597,110, May 20.
Marking knitted fabrics. F. L. Hall. 2,597,726, May 20.
Material handling device. C. B. Richey. 2,597,374, May 20.
Means for keeping trouser crease straight upon the legs. M. Pohlod. 2,597,179, May 20.
Measuring apparatus, Echo distance. H. A. Stamper, D. O. Nelson, and J. A. Wippert. 2,597,199, May 20.
Measuring device. L. M. Hollingsworth. 2,597,327, May 20.
Mechanical relay. G. R. Bouchard. 2,597,773, May 20.
Metal pouring apparatus for feeding molten metal into centrifugal molds. J. J. Nolan, Jr. 2,597,811, May 20.
Method and apparatus for tire or like repair vulcanizing. L. F. Borda and S. W. Bile. 2,597,611, May 20.
Method and mold for covering of eyelets by plastic injection. S. L. Gookin. 2,596,993, May 20.
Methylenebisphenols derived from 6-chlorothymol. H. E. Faith. 2,597,717, May 20.
Microthermal responsive control system. P. G. Winter. 2,597,272, May 20.
Milk can holder. J. F. Connor. 2,597,295, May 20.
Mine dredger, Endless digger type. J. L. Roe. 2,597,036, May 20.
Mining machine. W. W. Sloane. 2,597,040, May 20.
Mirror means for gas jet viewer for oven gas flames. A. Palatnick. 2,597,667, May 20.
Mixer: *See*—
Liquid mixer. Signaling drink mixer.
Portable trailer mixer.
Mixing apparatus and method. C. L. Day and L. F. Pahl. 2,596,987, May 20.
Mold for shaping and amalgamating food products. G. A. Minder. 2,597,592, May 20.
Mold shakeout apparatus. M. H. Kelly. 2,597,246, May 20.
Molding prestressed concrete structures. J. Huddleston. 2,597,084, May 20.
Mortar, Portable. R. Posey. 2,597,031, May 20.
Motor containing wheel. E. Bobard. 2,597,436, May 20.
Motor control. W. R. Wickerham. 2,597,141, May 20.

Motor control, Electric. L. E. Thompson. 2,597,408, May 20.
Motor control system. E. L. Harder, L. F. Stringer, R. W. Moore and R. I. Greenwood. 2,597,095, May 20.
Motor control system with dynamic braking. L. G. Riley. 2,597,183, May 20.
Motor vehicle bumper. S. Bircsak. 2,597,058, May 20.
Motor vehicle passing signal. C. J. Hopkins. 2,597,584, May 20.
Mounting: *See*—
Cultivator disk mounting. Wheel mounting.
Headstock mounting.
Mounting arrangement for plated piezoelectric crystals. R. A. Spears. 2,597,757, May 20.
Movable contact base. A. B. Oday and A. C. Barr. 2,597,666, May 20.
Multiple glazing unit. C. D. Haven. 2,597,097, May 20.
Multiple switch. M. A. Rudd. 2,597,823, May 20.
N-aliphatic morpholines, Preparation of. R. A. Reck. 2,597,260, May 20.
N-alkylamino-methyl-phenyl-propane and preparing same. W. F. Bruce, J. L. Szabo and S. Tubis. 2,597,445, May 20.
N-substituted amino-ethanols. J. F. Kerwin and G. E. Ullyot. 2,597,247–8, May 20.
Nail extractor for mechanical hammers. C. J. Nissley. 2,597,594, May 20.
Navigational device, Radio. C. L. Longmire. 2,597,349, May 20.
Neck duster, Individual. A. Bonglovanni. 2,597,772, May 20.
Net, Fish landing. H. B. Bruns. 2,597,447, May 20.
Neutral esters of thiolphosphoric acid. G. Schrader. 2,597,534, May 20.
Nipple valve construction. S. G. Head, Sr. 2,597,483, May 20.
Nitration of aliphatic hydrocarbons. G. B. Bachman and J. V. Hewett. 2,597,608, May 20.
Nitric acid and bisulfite digestion of fibrous vegetable material. G. Baudinière. 2,597,430, May 20.
Nitric acid treatment of polyethylene terephthalate structures. L. E. Amborski. 2,597,557, May 20.
Nitriding metallic surfaces. R. L. Chenault and G. E. Mohnkern. 2,596,981, May 20.
Nitroalcohol phosphate curing catalyst for aminoplasts. H. J. West. 2,597,766, May 20.
Nitroparaffins, Production of. H. J. Passino and L. C. Rubin. 2,597,027, May 20.
Nitroparaffins, Production of. F. W. Schmitz and R. S. Egly. 2,597,753, May 20.
Nozzle for coating machines, Adjustable. E. B. Hurley. 2,597,331, May 20.
Nozzle for dispensing apparatus, Mixing. S. A., and M. Gottlieb. 2,597,093, May 20.
Nozzle, Jet propulsion. F. C. Melchior. 2,597,253, May 20.
Nutrient adjunct for the preparation of streptomycin. W. W. Moyer and W. F. Allen. 2,597,019, May 20.
Nutrient composition for the preparation of streptomycin. W. F. Allen. 2,596,971–2, May 20.
Nylon cloth produced by reaction with quinones, Heat-resistant. E. B. Michaels and S. Machlis. 2,597,163, May 20.
Obstetrical apparatus. H. Heidenwolf. 2,597,637, May 20.
Obtaining colored copies of cinematographic films. D. A. Puig. 2,597,820, May 20.
Oil filter replacement unit. L. G. Alexander and J. W. Sherrill. 2,597,770, May 20.
Oil-in-water emulsion for vat color printing. J. L. Borstelmann and F. Fordemwalt. 2,597,281, May 20.
Optical testing of materials with a transparent screen. M. E. Aiken and M. J. Rummel. 2,597,425, May 20.
Oscillator. A. E. Broughton. 2,597,443, May 20.
Oven, Controlled heat flow. A. I. Fader and I. Nevin. 2,597,627, May 20.
Overload cutout for power-operated doors and the like. F. H. Versnel. 2,597,140, May 20.
Overload torque release mechanism. G. J. Nash. 2,597,514, May 20.
Packaging machine. G. L. McCargar. 2,597,120, May 20.
Pallet for supporting materials. B. E. Vankrimpen. 2,597,411, May 20.
Panoramic receiver. G. P. McCouch and D. K. Reynolds. 2,597,358, May 20.
Panty girdle combination. A. Lustgarten. 2,597,587, May 20.
Paper box. C. Caskey. 2,597,289, May 20.
Paper, Selectively demetalizing condenser. G. L. Mellen and V. C. Hall, Jr. 2,597,511, May 20.
Paper, Synthetic resin coated. W. W. Cowgill. 2,597,087, May 20.
Pen, Antileak fountain. B. F. Miesner. 2,597,664, May 20.
Percussion tool. E. H. Dickenson. 2,597,574, May 20.
Phonograph apparatus. H. E. F. C. Lingenbrink. 2,597,113, May 20.
Phonograph, Automatic. M. W. Kenney and C. G. Johnson. 2,597,803, May 20.
Pick-up arrangement for agricultural leading machines. E. H. Appel. 2,597,218, May 20.
Pickup stick, Invalid's. S. L. Stogsdill and B. F. Rasieur. 2,597,400, May 20.
Pip selector. R. B. Woodbury. 2,597,214, May 20.
Piston. C. K. Stillwagon. 2,597,829, May 20.
Plant guard for cultivators. W. C. Lathers, Jr. 2,597,111, May 20.
Plaster scratcher. A. S. Williams. 2,597,767, May 20.
Plastic articles, Manufacturing. J. Bailey. 2,597,558, May 20.
Plaything of the rocking horse type. A. Pelley. 2,597,668, May 20.
Plug: *See*—
Electrical connection plug. Spark plug.
Polishing belt control means. E. E. Murray. 2,597,256, May 20.
Portable dual control device. W. H. Romel. 2,597,379, May 20.
Portable self-contained reading lamp. L. Melamed, M. U. Greenberg and I. J. Swartzman. 2,597,662, May 20.
Portable trailer mixer. C. D. Vought. 2,597,688, May 20.
Portable utility case. M. A. Sholl. 2,597,194, May 20.
Post straightening jack. E. E. Barber. 2,596,976, May 20.
Potentially reactive aromatic diisocyanate-water resinous reaction product and method of preparing. G. O. Orth, Jr. 2,597,025, May 20.
Poultry litter material. E. F. Cook. 2,597,457, May 20.
Pouring gate. W. B. Walker. 2,597,208, May 20.
Power-driven jackhammer. O. S. Coates. 2,597,292, May 20.
Power plant, Steam. R. L. Harris and M. Lothrop. 2,596,968, May 20.
Precision resistance device. A. G. Robbins. 2,597,674, May 20.
Prepackaging unit for rayon yarn and the like. K. V. Robinson. 2,597,377, May 20.
Preparing a soluble protein from keratinaceous materials. B. Chiego. 2,597,566, May 20.
Preparing and preserving frozen potatoes. H. M. Chase. 2,597,066, May 20.
Preparing and preserving potatoes. H. M. Chase. 2,597,065, May 20.
Preparing and preserving potatoes. H. M. Chase. 2,597,067, May 20.
Preset releasing sub assembly. K. E. Waggener. 2,597,414, May 20.
Press: *See*—
Shoe press.
Pressure breathing demand oxygen regulator. H. Seeler. 2,597,039, May 20.
Pressure compounding device for hydraulic systems. L. J. Teske. 2,597,404, May 20.
Pressure operated follow-up system. W. A. Ray. 2,597,032, May 20.
Pressure-operated starting device. E. H. Hull and A. F. Winslow. 2,597,641, May 20.
Pressure sealing device for vulcanizing pneumatic tires. N. H. Tritt. 2,597,550, May 20.
Preventing the development of sourness in certain petroleum liquids during distillation. G. W. Ayers, M. J. Geerts and R. E. Chandler. 2,597,427, May 20.
Primary cell. J. J. Coleman and D. V. Louzos. 2,597,451–6, May 20.
Printing machine, Stencil. H. P. Elliott. 2,597,464, May 20.
Printing process wherein an alkaline substance passing through stencil openings effects coupling of an azo dye in situ. S. E. Eaton and R. W. Fabian. 2,597,306, May 20.
Producing finely divided metals. H. Beller. 2,597,701, May 20.
Producing tubular and sheet metals. T. Sendzimir. 2,597,046, May 20.
Prop-withdrawing apparatus for use in mines. J. B. Mavor. 2,597,807, May 20.
Protective mechanism for rotating machinery. G. W. Grisdale, Jr. 2,597,635, May 20.
Protector: *See*—
Ear protector.
Pulse generator circuit. W. A. Higinbotham. 2,597,322, May 20.
Pulse modulator circuit. J. W. Marchetti. 2,597,013, May 20.
Pulse-signal translating arrangement. J. T. Yates and I. N. Vaughan-Jones. 2,597,833, May 20.
Pulse system. J. H. Cook. 2,596,984, May 20.
Pump system, Heat. A. C. Homeyer. 2,597,729, May 20.
Purification of crude phenol-acetone mixtures. G. G. Joris. 2,597,497, May 20.
Quantizing apparatus. A. C. Schroeder. 2,597,677, May 20.
Rack: *See*—
Adjustable music rack.
Radar moving target indicating system. W. M. Hall and H. N. Veveridge. 2,597,636, May 20.
Radioactive assay apparatus. E. G. Segre. 2,597,535, May 20.
Radio-frequency operated receiving system consuming zero standby power. P. W. Russell and J. L. Harmon. 2,597,264, May 20.
Radio-frequency vacuum tube voltmeter. R. H. Dicke. 2,597,303, May 20.
Radio receiver circuits. A. H. A. Wynn. 2,597,142, May 20.

Rail bond terminal. H. J. Brown and F. C. Lavarack. 2,597,444, May 20.
Rail cleaning device. H. G. Foster. 2,597,719, May 20.
Rail guard. J. H. Asselin. 2,597,697, May 20.
Railway track tool. K. Kershaw. 2,597,337, May 20.
Railway truss type brake beam end structure. E. G. Busse. 2,597,287, May 20.
Rake, Twin reel side delivery. W. G. Spurlin. 2,597,828, May 20.
Range height indicator. A. Longacre and E. C. Pollard. 2,597,348, May 20.
Receptacle: *See*—
Fluid receptacle.
Receptacle for coins and the like. R. A. Colliton. 2,597,227, May 20.
Recovery of nitrated kerosene. R. A. Shurter. 2,597,755, May 20.
Rectifier bridge, Metal. G. G. Hyde. 2,597,000, May 20.
Reducing organic compounds by hydrogenation. E. De Bartholomaeis and V. De Nora. 2,597,074, May 20.
Reel: *See*—
Fly rod spinning reel.
Reel. F. B. Morrill and D. S. Warner. 2,597,839, May 20.
Refrigerating apparatus. C. C. Coons. 2,597,779, May 20.
Refrigerator and stove. S. O. Morrison. 2,597,745, May 20.
Refrigerator compressor cooling arrangement. E. F. Hubacker and G. J. Fleck. 2,597,243, May 20.
Refrigerator having an evaporator provided with a movable section. M. G. Shoemaker and E. W. Zearfoss, Jr. 2,597,267, May 20.
Regeneration system, Continuous. H. Wolcott, Jr. 2,597,693, May 20.
Regulator: *See*—
Pressure breathing demand oxygen regulator.
Regulator adjusting mechanism. G. L. Hammon. 2,597,479, May 20.
Regulator valve. G. L. Hammon. 2,597,478, May 20.
Remote-control system. W. A. Derr. 2,597,075, May 20.
Rendering organic textile material water repellent and composition therefor. A. E. Brown, A. M. Sookne and F. W. Minor. 2,597,614, May 20.
Resilient strut for aircraft landing gears and the like. T. B. Salter. 2,597,265, May 20.
Resistance. W. M. Kohring. 2,597,338, May 20.
Retainer for vendable merchandise. H. S. Childers. 2,597,290, May 20.
Reversible rotary fluid coupling. R. R. Mosher. 2,597,527, May 20.
Ringing equipment. W. Brandt and J. H. Brundage. 2,596,977, May 20.
Rinsing attachment for wringers. O. N. Cooper. 2,597,569, May 20.
Rock drill bit. J. C. Curtis. 2,597,301, May 20.
Rocket fin. J. W. Busacker. 2,597,703, May 20.
Rod: *See*—
Telescoping fishing rod.
Rotary hoe wheel. T. R. Mahoney. 2,597,742, May 20.
Rotary oil burner. W. R. Ray. 2,597,033, May 20.
Rule, Slide. M. J. Quillinan. 2,597,523, May 20.
Rust inhibitive lead pigments. L. M. Kebrich. 2,597,645, May 20.
Safety closure. B. Elkind. 2,597,307, May 20.
Safety control system for motors. R. C. Jones. 2,597,104, May 20.
Safety cutoff control system with dual thermal elements. C. M. Garner and W. J. Allan. 2,597,787, May 20.
Safety device for oil burners, Overflow cutoff. J. F. Giardino. 2,597,470, May 20.
Safety load equalizing and draft stabilizing coupling device for automobile towed trailers. M. H. Mathisen. 2,597,567, May 20.
Safety valve. T. W. Bergquist. 2,597,057, May 20.
Sanding head. A. Jensen. 2,597,102, May 20.
Saw for cutting timber or the like, Portable power. A. R. McKinstry. 2,597,017, May 20.
Saw, Power fed, timber-mowing tractor mounter. R. T. Spedding. 2,597,395, May 20.
Scaffolding clip or clamp. A. Macbeth. 2,597,649, May 20.
Scraper and apron actuating mechanism. L. McCoy. 2,597,659, May 20.
Screen: *See*—
Shaking screen.
Seat: *See*—
Spring mounted vehicle seat.
Seat supporting bracket. E. B. Morgan and A. J. Piachecki. 2,597,255, May 20.
Sediment test card. J. G. Lucas. 2,597,350, May 20.
Self-locking device. R. B. Houplain. 2,597,798, May 20.
Separation of gas mixtures. C. J. Schilling. 2,597,385, May 20.
Separator: *See*—
Magnetic separator.
Separator for removing water from gasoline. A. L. Grisé. 2,597,475, May 20.
Series flow cooling system for dynamometers and engines. E. L. Cline. 2,597,450, May 20.
Servomotor and the like, Hydraulic. L. F. Mott. 2,597,361, May 20.
Servomotor and the like, Hydraulic. R. Westbury and S. R. Tyler. 2,597,418–19, May 20.
Setback gauge. J. H. Sreb. 2,597,758, May 20.
Setwork for regulating the thickness of the boards cut off in reciprocating-carriage sawmills. R. Masuy. 2,597,355, May 20.
17-hydroxypregnanes, Production of. L. H. Sarett. 2,597,190, May 20.
Shaking screen. J. L. A. Larsson. 2,597,503, May 20.
Sharpener, Knife blade. J. J. Kilian. 2,597,150, May 20.
Sheet positioning and clamping means. A. and R. Pleydell and J. F. McIntyre. 2,597,178, May 20.
Shoe press. W. Boseley and W. Kilmister. 2,597,612, May 20.
Shoulder shield, Coat hanger. S. D. Mallory. 2,597,509, May 20.
Showcase, self- service refrigerated. K. A. Weber. 2,597,417, May 20.
Shutter for internal-combustion engines. J. Rozen. 2,597,822, May 20.
Shuttle cleaner for sewing machines. E. Goldstein. 2,597,632, May 20.
Sign for streets, etc. E. A. Ferm. 2,597,783, May 20.
Signal: *See*—
Motor vehicle passing signal.
Signal monitoring. S. I. Cory. 2,597,071, May 20.
Signal shaping circuits and method. H. French. 2,597,630, May 20.
Signal translating device, Semiconductor. W. G. Pfann. 2,597,028, May 20.
Signaling device, Holdup. J. Neal, Sr. 2,597,556, May 20.
Signaling drink mixer. R. P. Pierce. 2,597,522, May 20.
Slide projector with rotatable slide mount. J. D. Cassidy and J. D. Marks. 2,597,449, May 20.
Sliding window structure. G. R. Smart. 2,597,539, May 20.
Slurry polymerization process. J. H. Bannon. 2,596,975, May 20.
Socket plug for electrical appliances, Safety adapter. H. Shapiro. 2,597,600, May 20.
Soil-working device, Rotary. C. W. Kelsey. 2,597,107, May 20.
Soluble interpolymers of a poly-2-alkenyl ester, vinylidene chloride, and a monounsaturated 2-alkenyl compound. P. O. Tawney. 2,597,202, May 20.
Spark plug. L. M. Field. 2,597,718, May 20.
Spark plug. W. Hediger. 2,597,794, May 20.
Spectacles. P. Gardissard and M. Delorme. 2,597,312, May 20.
Speed responsive generator. O. J. Underwood. 2,597,207, May 20.
Spindle. J. W. May. 2,597,015, May 20.
Spindle and variable-speed drive therefor, Machine tool. T. F. Eserkaln. 2,597,716, May 20.
Spool construction. G. G. Tucker, Jr. 2,597,139, May 20.
Spoonholder. A. P. Ahlstrand. 2,597,275, May 20.
Sprag for one-way clutches. I. J. Gruenberg and L. T. Szady. 2,597,241, May 20.
Spray coating apparatus, Centrifugal. E. O. Norris. 2,597,021, May 20.
Spray gun, Spring-operated. G. B. Maehren. 2,597,650, May 20.
Sprayer, Farm and roadside. H. C. Hanson. 2,597,727, May 20.
Spraying apparatus. J. S. De Groff. 2,597,573, May 20.
Spring mounted vehicle seat. J. F. McKinney. 2,597,252, May 20.
Spring structure. N. A. Crites and N. C. Fick. 2,597,299, May 20.
Sprinkler, Lawn. N. Nordenstam. 2,597,366, May 20.
Sprout destroyer. J. C. Bartch and G. W. Couch. 2,597,053, May 20.
Stabilization of control amplifiers. W. F. Pray. 2,597,259, May 20.
Stabilized hydrocarbon liquids. T. B. Tom. 2,597,205, May 20.
Stabilized phosphorus and sulfur-containing hydrocarbon reaction products and compositions containing the same. E. N. Roberts and L. W. Mixon. 2,597,750, May 20.
Stamping machine, Transfer. C. B. Gallagher. 2,597,145, May 20.
Stand: *See*—
Display stand.
Hairspring vibrating stand.
Starch sponge, Preparation of. M. M. MacMasters and V. E. Hoaglund. 2,597,011, May 20.
Starting and operating device and circuits for electric discharge devices. P. Waguet. 2,597,604, May 20.
Starting device for outboard motors. K. F. Johnson and A. H. Eggert. 2,597,334, May 20.
Steam generator. B. Woynar. 2,597,423, May 20.
Steam pressing iron. A. Sussman. 2,597,763, May 20.
Steering rudder. H. F. Sands. 2,597,189, May 20.
Sterilizer, Bottle. E. G. Thompson. 2,597,407, May 20.
Stitch and seam opener. K. C. Bugg. 2,597,564, May 20.
Stool. A. L. Janes, Jr. 2,597,332, May 20.
Storing and comparing arrangement for collating and the like machines. K. A. Knutsen. 2,597,647, May 20.
Stove, Collapsible camp. A. S. Haislip. 2,597,477, May 20.

Stripe applicator, Electrically conductive. J. Kallenborn. 2,597,106, May 20.
Strongly basic anion-exchange polymers of vinylanisole. J. C. H. Hwa. 2,597,494, May 20.
Strongly basic anion-exchange resins. G. W. Bodamer. 2,597,440, May 20.
Suction cleaner hose. F. A. Martin. 2,597,806, May 20.
Suction cleaner nozzle with rocking lever type adjustable brush. W. H. McQuilkin. 2,597,808, May 20.
Suction hydroextractor. C. Jellinek. 2,597,801, May 20.
Suction screen and foot valve. L. L. Hink. 2,597,728, May 20.
Sulfonated phenyl alkane detergents and producing same. W. H. Claussen. 2,597,834, May 20.
Superheterodyne radio receiver employing a multifunction tube. E. D. Phinney and A. H. Reeves. 2,597,029, May 20.
Support: *See*—
Blast furnace support.
Vibration isolating support.
Support for primary galvanic cell electrolyte. P. S. Brooks and E. A. Schumacher. 2,597,118, May 20.
Surface treating apparatus. L. H. Bishop and J. S. Finn. 2,597,434, May 20.
Surfacing glass sheets or plates. G. E. Rickner and O. F. Koenig. 2,597,182, May 20.
Sweep and range circuit. E. F. MacNichol, Jr. 2,597,353, May 20.
Switch: *See*—
Directional signal switch.
Electric switch.
Electrical switch.
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Switch for firearms, Alternate feed. E. W. Hopkins. 2,596,999, May 20.
Switching member for circuit breakers. R. G. Page. 2,597,368, May 20.
Synchronizing system. F. W. Millspaugh and H. N. Kozanowski. 2,597,743, May 20.
Synthans, Manufacture of. J. Migiarese. 2,597,809, May 20.
Synthetic resins, Production of. J. W. Fisher and E. W. Wheatley. 2,597,467, May 20.
Tamperproof valve cap. E. A. Teepell. 2,597,546, May 20.
Tank cap. F. N. Mariani. 2,597,014, May 20.
Tank for water closets, Flushing. H. F. Goetz. 2,597,239, May 20.
Target game, Sliding. J. O. Prentiss. 2,597,671, May 20.
Telemetering device, Multichannel. J. R. H. Dutilh. 2,597,088, May 20.
Telephone switch hook actuator. A. G. Pinto. 2,597,670, May 20.
Telephone system. T. G. Walsh. 2,597,209, May 20.
Telescope sight mount. T. R. Felix. 2,597,466, May 20.
Telescoping fishing rod. J. W. Koos. 2,597,738, May 20.
Television scanning apparatus. A. C. Stocker. 2,597,683, May 20.
Temperature control, Fluid. G. A. Taylor. 2,597,203, May 20.
Temporary button fastener. J. Auer. 2,597,051, May 20.
Tensile testing device. J. J. Perot, Jr., and G. Cawley. 2,597,812, May 20.
Tertiary butyl secondary amines and preparing the same. W. F. Bruce. 2,597,446, May 20.
Test set for pulse-echo radio locators. D. R. Corsen and H. L. Schultz. 2,597,297, May 20.
Tetraethyllead, Manufacture of. H. Shapiro. 2,597,754, May 20.
Textile control. W. C. Anderson. 2,596,973, May 20.
Thermal overload cutout for electrical apparatus. C. V. Starkey. 2,597,759, May 20.
Thermal overload relay. H. E. Cobb. 2,597,068, May 20.
Thermoadhesive composition and composite closure liner formed therewith. L. F. Rogers and M. S. Ebert. 2,597,378, May 20.
Thermocouple. M. B. Nicholls. 2,597,665, May 20.
Thermodynamic engine. P. Kollsman. 2,597,249, May 20.
Thermoelectric power generator. W. W. Salisbury. 2,597,752, May 20.
Thermometer. F. H. Mumberg. 2,597,362, May 20.
Thermostat, Water heater. H. E. Malone. 2,597,651, May 20.
Thread nipper. F. M. O'Brien. 2,597,519, May 20.
Tightening and fastening means for casing covers. F. S. Craig. 2,597,707, May 20.
Timber setting machine. J. D. A. Morrow. 2,597,086, May 20.
Time-delay relay system. R. M. Lommen. 2,597,347, May 20.
Timer, Reverse plating. E. C. Hartwig. 2,597,082, May 20.
Timing and computing apparatus, Combination. N. Kutchukian. 2,579,341, May 20.
Timing boiler blowdowns. C. W. Rice. 2,597,597, May 20.
Tire lug construction. C. G. Cummins. 2,597,458, May 20.
Titanium additions to stainless steels. W. M. Patterson. 2,597,173, May 20.
Toaster. W. Rahr. 2,597,127, May 20.
Toaster, Automatic electric. B. G. Olving. 2,597,023, May 20.
Toaster, Electric. W. H. Kitto. 2,597,805, May 20.
Toaster, Electric. E. L. Snyder and W. A. Humphrey. 2,597,827, May 20.
Toaster, grill, and waffle iron, Combination sandwich. G. R. and R. W. Squires. 2,597,541, May 20.
Tobacco smoking device. A. Nohr. 2,597,124, May 20.
Tool: *See*—
Body and fender straightening tool.
Ceramic tool.
Flywheel tool.
Percussion tool.
Railway track tool.
Tool for removing door handle retaining springs. P. R. Roper. 2,597,381, May 20.
Toolholding chuck. F. Podjaski. 2,597,816, May 20.
Tool mount. A. E. Clark. 2,597,619, May 20.
Totaliser and calculator. A. H. Naef and J. P. Smith Jr. 2,597,123, May 20.
Toy glider. J. C. Pemberton and D. R. Baldridge. 2,597,521, May 20.
Toy, Impact operated. P. M. Gutmann. 2,597,094, May 20.
Toy vehicle wheel and axle. J. Manoil. 2,597,588, May 20.
Tractor attachment K. A. Brown. 2,597,615, May 20.
Tractor, Garden. E. E. Davis. 2,597,622, May 20.
Transfer winding attachment for spinning machines. C. C. Sigmon. 2,597,537, May 20.
Transformer, Self-protected distribution. F. C. Roeding and G. M. Stein. 2,597,185, May 20.
Transmission and control mechanism therefor. D. W. Kelbel. 2,597,245, May 20.
Transmission belt, Endless. A. S. Brown and G. E. Sedgley. 2,597,284, May 20.
Transmitter, Variable impulse. H. L. Coyne. 2,597,570, May 20.
Trap: *See*—
Animal trap.
Trap for intravenous injection apparatus. C. R. Bauer. 2,597,699, May 20.
Tray for automobile instrument panels, Folding. O. R. Huddleston. 2,597,330, May 20.
Tray, Safety cigarette. B. T. Wall. 2,597,413, May 20.
Tray, Serving and utility. J. R. Eberhardt. 2,597,460, May 20.
Treating bundled tobacco, Method and apparatus for. E. R. Coley. 2,597,620, May 20.
Treating cellulosic materials. N. Drisch and A. Petiton. 2,597,624, May 20.
Treating fabric. F. R. Redman. 2,597,530, May 20.
Treating petroleum emulsions. R. W. Todd and F. E. Fuchs. 2,597,204, May 20.
Treating proteins with saturated aliphatic polyamines and resulting product. E. D. Cornwell and S. Dobija. 2,597,228, May 20.
Treating textile materials. F. R. Redman. 2,597,529, May 20.
Treatment of cellulose esters. M. E. Martin and L. G. Reed. 2,597,156, May 20.
Treatment of food products packaged in cylindrical containers. G. W. Burgess. 2,597,223, May 20.
Treatment of tank water and tankage. C. J. Davis, Jr. 2,597,230, May 20.
Tree pulling arrangement. J. I. Lyle, III. 2,597,740, May 20.
Trichlorovinylpentachlorocyclopentadiene, Preparation of. E. T. McBee and J. S. Newcomer. 2,597,016, May 20.
Truck, Fork. H. N. Welburn. 2,597,765, May 20.
Truck, Hand. L., and W. S. Richardson. 2,597,532, May 20.
Tub assembly. T. Tiberi. 2,597,547, May 20.
Tube: *See*—
Cathode-ray storage tube.
Electron ratchet tube.
Ultrahigh frequency generating tube.
Ultra-short wave electron tube.
X-ray tube.
Tube compressor, Collapsible. E. B. Scott. 2,597,273, May 20.
Tube-in-tube heat transfer unit. S. O. Morrison. 2,597,744, May 20.
Tube vibrator. K. V. Lindkvist. 2,597,505, May 20.
Two-arm expanding head tube cleaner. J. P. Rodgers. 2,597,263, May 20.
Ultrahigh frequency generating tube. M. J. O. Strutt and A. van der Ziel. 2,597,542, May 20.
Ultrahigh-frequency noise generator. J. B. H. Kuper and M. C. Waltz. 2,597,340, May 20.
Ultra-short wave electron tube. F. Lüdi. 2,597,506, May 20.
Unbalanced tap-changing on rectifier locomotives. L. J. Hibbard. 2,597,100, May 20.
Undergarment, Maternity. G. Delman. 2,597,710, May 20.
Universal chuck, Power-operated. T. W. Barnes. 2,597,280, May 20.
Universal joint. A. F. Greiner. 2,597,240, May 20.
Utensil, Cooking. R. J. Braski and F. C. Schwaneke. 2,597,695, May 20.
Utility attachment for fishing creels. J. Angelo. 2,596,974, May 20.
Utilization of the gas washing lye from aluminum electrolysis in cryolite production. H. Dale. 2,597,302, May 20.
Vacuum cleaner. J. P. Wied. 2,597,690, May 20.
Valve: *See*—
Automatic valve.
Drain valve.
Dry pipe valve.
Regulator valve.
Safety valve.
Valve structure for telescopic shock absorbers, Foot. H. L. Chisholm, Jr. 2,596,982, May 20.

Vanity or make-up case and support therefor, Combined. H. B. Green and S. B. Gaines. 2,597,473, May 20.
Vaporizer. C. V. Smith. 2,597,195, May 20.
Vaporizer for internal-combustion engines. A. P. Mansoff. 2,597,251, May 20.
Variable attenuator. R. H. Freeman. 2,597,090, May 20.
Variable loss paramagnetic cores. A. W. Friend. 2,597,237, May 20.
Variable-speed drive. H. T. Hodges. 2,597,324, May 20.
Vehicle: *See*—
Child's walking and riding vehicle.
Dirigible vehicle.
Vehicle brake and throttle operating mechanism. M. V. Hilson. 2,596,998, May 20.
Vehicle detecting system. W. J. Parks. 2,597,518, May 20.
Ventilating attachment for the sweatband of hats or caps. J. A. Nyman. 2,597,367, May 20.
Vertical sweep generator. G. W. Fyler. 2,597,092, May 20.
Vibration dampening motion transmitting element or clutch. R. S. Root. 2,597,380, May 20.
Vibration isolating support. C. Hussman. 2,597,244, May 20.
Vibration isolation unit. C. Hussman. 2,597,800, May 20.
Viscosity indicating and controlling apparatus. W. M. Trigg. 2,597,138, May 20.
Washing machine, Egg. R. A. Joseph. 2,597,148, May 20.
Washing machine embodying fluid spraying apparatus, Industrial. D. P. Smith. 2,597,132, May 20.
Watercraft. B. K. L. Almqvist and B. O. Elgström. 2,597,048, May 20.
Water system, Refrigerated. E. J. Coletti. 2,597,293, May 20.
Wave guide joint. W. A. Aron. 2,597,143, May 20.
Weakly basic anion-exchange polymers. G. W. Bodamer. 2,597,439, May 20.
Weed destroying machine. L. D. Hilliyer. 2,597,485, May 20.
Weed guard for outboard motors. W. W. K. Van Nort. 2,597,551, May 20.
Weighing mechanism, Automatic. J. D. Conti. 2,597,069, May 20.
Welding through pressure. G. H. Lagarde and J. Bulota. 2,597,153, May 20.
Well clearing apparatus. L. H. Rhoads. 2,597,261, May 20.
Werner-type metal compounds as laminating and coating compositions. M. T. Goebel and R. K. Iler. 2,597,721, May 20.
Wheel: *See*—
Motor containing wheel.
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Wheel covers, Making. G. A. Lyon. 2,597,010, May 20.
Wheel mounting. C. L. Eksergian. 2,597,835, May 20.
Wheel mounting device. G. Bergonzo. 2,597,433, May 20.
Wheel sander, Automobile. H. F. Spatz. 2,597,196, May 20.
Wheel type screw thread gauge. P. W. Johnson. 2,597,644, May 20.
Wheeled shopping bag. J. F. Connor. 2,597,294, May 20.
Widening a knitted fabric between two successive knitting operations, Method of and mechanism for. J. H. Strausberger. 2,597,761, May 20.
Winding machine. L. R. Rinehart. 2,597,375, May 20.
Window balance. H. R. Dickinson and M. N. Swierbut. 2,597,459, May 20.
Window lock. S. L. Beder. 2,597,056, May 20.
Window, Screen or storm. J. K. Hellig. 2,597,484, May 20.
Windshield clearing device. M. Bitzer. 2,597,059, May 20.
Wire clamp. J. B. Cook and L. L. Jugle. 2,597,070, May 20.
Woodworking machine. W. I. Stearns. 2,597,398, May 20.
Woven elastic fabric. S. J. Gluck. 2,597,580, May 20.
Wrench: *See*—
Interrupted thread type slidable jaw wrench.
X-ray tube. J. V. Kerkhoff. 2,597,498, May 20.
X-ray tube. M. Poittevin. 2,597,817, May 20.
Yarding device for cutoff saws. C. Schurman. 2,597,678, May 20.
Yarn, Rayon. N. Drisch and R. Brepson. 2,597,577, May 20.
Yarn tension control device. J. Warwick. 2,597,044, May 20.
Zinc sulfide type phosphors. A. H. McKeag and P. W. Ranby. 2,597,660, May 20.

CLASSIFICATION OF PATENTS

ISSUED MAY 20, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business May 2, 1952

Total number of patent applications awaiting action, 99,274. Date of oldest new application, July 3, 1951; date of oldest amended application, July 18, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	8-20-51	8-21-51	2024
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	8-22-51	8-8-51	1083
3. WINDHAM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	8-2-51	8-3-51	1597
4. FALLER, E. A., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	8-1-51	7-30-51	1578
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	9-17-51	9-11-51	1193
6. SURLE, H., Carbon Chemistry (part)	8-31-51	8-21-51	1842
7. ANDERSON, E. G. (Acting), Optics; Photography (part)	9-22-51	9-14-51	1179
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	8-1-51	8-1-51	1570
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	8-10-51	8-9-51	1398
10. NEFF, P. R. (Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles	8-13-51	8-9-51	1325
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	8-3-51	8-3-51	962
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	8-9-51	8-9-51	1203
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	8-2-51	8-2-51	1259
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Dissassembly Apparatus).	7-31-51	7-30-51	1626
15. STEPHENSON, W. J. (Acting), Plastics: Plastic Block and Earthenware Apparatus; Glass	7-23-51	7-23-51	1111
16. LOVEWELL, N. N., Television, Telephony	8-13-51	8-13-51	1209
17. LEIGHY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	7-27-51	7-27-51	1898
18. KURZ, J. A., Power Plants; Speed Responsive Devices	8-7-51	8-6-51	1166
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-7-51	8-3-51	1129
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes	8-24-51	8-25-51	1375
21. MADER, R. C., Textiles	7-31-51	8-7-51	1321
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8-8-51	8-6-51	1071
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	8-17-51	8-22-51	822
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	9-7-51	8-31-51	1427
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	8-11-51	8-11-51	1158
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	8-3-51	8-4-51	1224
27. JAMES, S., Brushing, Scrubbing: Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-20-51	8-13-51	1478
28. BRAUNER, R. H., Motors, Expansible Chamber Type: Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	8-7-51	8-6-51	1251
29. HABECKER, L. B., Button Making; Woodworking; Tools	8-10-51	8-14-51	1072
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	9-15-51	9-14-51	1466
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy compounds, Hydrocarbons, Halogenated Hydrocarbons.	8-24-51	9-4-51	2008
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	8-7-51	8-9-51	1145
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	8-3-51	8-1-51	1987
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8-4-51	8-7-51	1346
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	8-1-51	8-1-51	1438
36. McFADYEN, A. D., Measuring and Testing	8-4-51	8-4-51	1200
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	8-24-51	8-4-51	1287
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	8-4-51	8-7-51	1520
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	8-4-51	8-4-51	2582
40. DRUMMOND, E. J., Receptacles (part); Packages	9-4-51	9-4-51	1391
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	8-3-51	8-3-51	1123
42. MARANS, H., Electric Signaling (part, except submarine, altimeters, distance or direction measuring, and object detection); Signals; Telegraph (part); Signals and Indicators.	8-7-51	8-11-51	1058

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 99,274. Date of oldest new application, July 3, 1951; date of oldest amended application, July 18, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-7-51	9-4-51	1225
44. Harvey, L. P., Beds; Chairs, Seats	7-23-51	7-21-51	1356
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-17-51	8-4-51	1311
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	8-14-51	8-7-51	892
47. Kanof, W. J., Motor Vehicles; Land Vehicles (part)	8-2-51	8-1-51	1552
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	7-31-51	7-31-51	1620
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring	8-6-51	8-1-51	1391
50. BENGEL, W. G., Synthetic Resins	8-18-51	8-15-51	1487
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	8-15-51	8-16-51	1312
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-17-51	8-16-51	2062
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	9-4-51	9-5-51	1019
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-3-51	8-9-51	1636
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	8-20-51	8-15-51	1084
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	8-28-51	8-25-51	1803
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	8-14-51	8-2-51	1701
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	8-1-51	8-2-51	881
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	8-24-51	8-24-51	1095
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9-5-51	8-15-51	1018
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	8-16-51	8-7-51	1254
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	9-5-51	8-13-51	1337
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	8-9-51	8-4-51	1529
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-19-51	9-17-51	1830
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-13-51	8-13-51	1434
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	8-9-51	8-3-51	1014
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8-30-51	8-11-51	1258
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	8-23-51	8-16-51	1574
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	8-7-51	8-4-51	1289
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	7-3-51	7-18-51	2912
DESIGNS: A. BREHM, G. L., Industrial Arts	1-23-52	2-2-52	602
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	1-5-52	1-16-52	694

Total number of trade-mark applications awaiting action (including renewals and republications), 14,528. Date of oldest new application, October 26, 1951; date of oldest amended application, October 26, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	8-26-51	8-26-51	3684
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	1-13-51	1-13-51	3245
Renewals (All Classes)	3-5-52	3-29-52	747
Republications (All Classes)	3-22-52	3-29-52	194
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	1-20-51	1-13-51	3322
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	1-1-51	1-29-51	3336

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE JUERGELEIT

No. 5823. Decided January 29, 1952

[194 F.2d 120; 92 USPQ 323]

1. CLAIMS—CONSTITUTE MEASURE OF PROTECTION—MUST INCLUDE DISCLOSED DIFFERENCES FROM PRIOR ART.

Held that since the claims of the application constitute the measure of the protection sought, it is immaterial that the disclosure of the application might support claims differently phrased, and, therefore, unless the claims themselves clearly define in structure differences from the prior art, they may not be allowed.

2. APPEAL TO BOARD OF APPEALS—CLAIMS AMENDED AFTER DECISION—PETITION FOR RECONSIDERATION NECESSARY.

Where appellant, one day before the expiration of time for taking appeal to the court, filed a petition to the Commissioner including amended claims, with the request that the Board of Appeals state that the said claims be allowed, *Held* that, since there was no motion for reconsideration by the Board of its decision for the purpose of considering the amended claims, the Board did not err in not acting on claims which are not shown to have been before it at a time when action could be taken.

3. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—MATTERS BEFORE COURT—CLAIMS FILED AFTER BOARD DECISION.

Where amended claims filed after the decision of the Board of Appeals were not entered and never became part of the case, the court is without jurisdiction to consider them.

4. PATENTABILITY—PARTICULAR SUBJECT MATTER—MOLDING APPARATUS.

Certain claims to a molding apparatus *Held* properly rejected as failing to define invention over the cited prior art.

APPEAL from Patent Office. Serial No. 717,230.

AFFIRMED.

Elmer Stewart (*Henry P. Truesdell* of counsel) for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for Commissioner of Patents.

GARRETT, *Chief Judge*:

By this appeal appellant seeks reversal of the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner of all the claims, numbered respectively 4, 9, and 10, in appellant's application, Serial No. 717,230, for a patent "For Molding Apparatus."

In the specification it is said:

One use to which my improved method and apparatus are particularly applicable is in the manufacture of vibration dampers. Such dampers are constructed with a central metal hub and outer concentric pulley or sleeve spaced from the hub, the space being filled with a ring of rubber, or the like, which fastens the parts together. In this way the outer pulley is cushioned on the inner hub by the rubber separating ring so that there is a tendency for the parts to absorb vibration.

The pulleys which may be made on the apparatus defined in appellant's specification and drawings apparently are designed for use in various kinds of mechanisms in which it is desired to modify vibration.[1]

It is said, in substance, in appellant's specification that, prior to his development, pulley vibration dampers were "manufactured by assembling the two concentric parts [hub and rim] on a conventional injection mold and then injecting rubber between the parts to join them together"; that his method of manufacture "required the parts [of the apparatus] to be made to extremely close manufacturing tolerances since they must fit tightly against the platen surfaces of the mold to permit injection of the rubber compound without the formation of excessive flash"; and that unless the parts were machined accurately to the same thickness they could not be assembled properly on the mold and might be displaced during the molding operation so that a defective product resulted.

The specification declares that appellant "overcomes the aforementioned difficulties by providing a molding apparatus so constructed and arranged as to accommodate parts of varying thicknesses so that they may be quickly and accurately assembled in position and the molding operation performed without excessive flash or displacement of the parts," thus rendering it "unnecessary to machine the parts to close tolerances."

The claims read:

4. Molding apparatus comprising, in combination, a support provided with guide means, a platen movable on said guide means, a plate carried by said platen and being movable relative to the platen, spring means biasing the plate for movement in one direction, a second platen moveably mounted on said guide means, a cylinder carried by said second platen and having an opening therein, said cylinder having a bearing surface cooperating with both the first mentioned platen and said plate for clamping work pieces therebetween against said surface in predetermined position, and a piston carried by said support and cooperating with said cylinder for forcing moldable

[1] During the oral argument before us counsel for appellant suggested an automobile fan belt pulley as a product example.

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material in said cylinder through said opening into a space between the work pieces.

9. In molding apparatus a support, a platen moveable relative to said support for supporting a work piece, a member carried by said platen and being movable relative thereto for supporting a second work piece, a second platen movably mounted on said support, a cylinder for holding moldable material carried by said second platen and having an opening therein, said cylinder being provided with both a bearing surface cooperating with the first mentioned platen and said member for clamping the work pieces therebetween in alignment against said surface, a piston carried by said support cooperating with said cylinder to force moldable material through said opening into engagement with the work pieces, and means for moving the first and second platens toward the piston.

10. In molding apparatus, a support provided with guide rods, a platen movable along said guide rods, a member carried by said platen and being movable relative thereto, spring means biasing the member for movement in one direction, a second platen movably mounted on said guide rods, a cylinder for holding moldable material supported on said second platen, said cylinder having an opening therein and a bearing surface cooperating with both the first mentioned platen and said member for clamping work pieces therebetween in alignment with said surface, a cross-bar fixed to said guide rods, a piston carried by said cross-bar for cooperation with said cylinder, and means for moving said first and second platen toward said piston so that the piston enters the cylinder to force moldable material in the cylinder through said opening into engagement with the work pieces.

As may be seen from the claims appellant's apparatus embodies the combination of two platens, one carrying a separately movable plate, and the other, a cylinder, carried on an arm, with which cylinder a piston cooperates. The cylinder has a bearing surface that cooperates with both the first platen and the plate thereon by means of which the work pieces are clamped between the platen and the plate.

The following patents were cited as references: Shaw, 1,919,534, July 25, 1933; Berry, 2,193,787, Mar. 19, 1940.

The apparatus described in the Shaw patent comprises a platen which carries one part of a two-part mold. The platen is vertically movable in the device so that there may be an adjustment of the two parts by which a mold cavity is formed. The second part is provided with a cylindrical portion, carried on an arm, the portion being for the moldable material. The cylindrical portion cooperates with a plunger to force the material into the mold cavity through an opening at the bottom of the cylinder. A downward movement of the platen separates the mold parts, ejects the molded material from the first mentioned mold part by means of ejecting pins, and removes the excess material from the plunger by operating a knockout element.

The specification of the Berry patent recites:

Many articles, such as dial faces for instruments, are provided with glass covers, usually slightly spherical, and are mounted in a surrounding frame or support. The machine of the present invention is designed to die-cast this frame or bezel of a plastic material such as cellulose acetate, one of the commercial varieties being "Tenite," and include in the casting the fragile insert so that upon the completion of the casting the frame or bezel will include the fragile insert permanently set in the bezel.

Among the difficulties of this operation is the effecting of a closure for the mold cavity without breaking the fragile insert, and one of the purposes of the present invention is to accomplish this.

Two die-blocks, one fixed and one movable, are provided. Between them is an annular cavity into which the edge of the glass cover around which the plastic is to be molded is inserted. The fixed die-block has plates that are provided with pins for holding the glass cover. The movable die-block bears a closure ring slidably secured on screws and yieldably pressed forward by springs. The ring has a closure edge for engaging a sharp edge of a die-plate that is mounted in the fixed die-block. Means are provided for moving the movable die-block to and from the fixed die-block in timed relation to means provided for injecting the plastic material into the die cavity.

A more specific description was recited in the decision of the Board as follows:

The Berry patent shows a device for molding a ring of a plastic material around the periphery of a concavo-convex glass cover plate for an instrument such as a gauge or clock. In this patent there is only one workpiece, namely, the cover glass. A spring biased plate 86 has an annular rim that contacts one face of the cover glass a small distance inwardly of and concentric with the peripheral edge of the glass. This rim constitutes the inner wall of the mold space at one side of the workpiece and the end wall of the mold cavity on that side of the workpiece is formed by the die block in which the plate 86 slides. The inner wall of the cavity on the other side of the workpiece and the outer wall of the cavity are carried by a die block 4. The mold cavity of the Berry patent is filled with plastic material which is extruded through sprue holes in the die block 4.

The Board then continued:

It is the Examiner's position that the claims do not patentably distinguish from the structure resulting from the substitution of Berry's mold for the mold of the Shaw patent. We are not convinced by the arguments presented in appellant's brief and at the hearing that the Examiner's position is erroneous. The particular problem to which appellant's molding operation is directed is obviously not the same as that with which either Shaw or Berry is concerned but the claims do not clearly and definitely bring out this difference. Appellant is concerned with forcing plastic material into an annular space between two concentrically disposed workpieces that may be of different axial length. While the claims refer to workpieces, they do not describe the character of the workpieces or their relative positions. In so far as claimed, the workpieces could be two flat plates with a horizontal space between them. Claim 4 states that the moldable material is forced into "a space between the work pieces" while claims 9 and 10 say that the moldable material is forced "into engagement with the work pieces." The latter expression does not even specify that the moldable material goes between the workpieces.

As the Examiner points out, Berry could without invention apply his moldable material around more than one workpiece. The resilient mounting of Berry's plate 86 is such that the plate will accommodate itself to workpieces of different thicknesses and to a plurality of workpieces superimposed one upon another. The statement in claim 4 that the cylinder has a surface which cooperates with the platen "for clamping work pieces therebetween against said surface in predetermined position" does not define any particular position of the workpieces nor does the recitation in claims 9 and 10 that the workpieces are "clamped in alignment with said surface." Aside from these functional limitations, the appealed claims would be substantially met in structure by the combination of Shaw and Berry proposed by the Examiner.

We do not think that where the structure recited is substantially met in the references, these functional distinctions which neither clearly define appellant's problem nor its solution can serve to confer patentability upon the claims over the prior art.

It will be observed that while the Board conceded that "the particular problem to which appellant's molding operation is directed is obviously not the same as that with which either Shaw or Berry is concerned," it may not be overlooked that it added "*but the claims do not clearly and definitely bring out this difference*" (italics ours), and, as alleged in the brief of the Solicitor for the Patent Office, the lack of clear definition is delineated in the decision of the Board.

We quote the following from that brief, which further elucidates the Board's finding.

• • • Claim 4 states only that the work pieces are clamped against the bearing surface of the cylinder in predetermined position and that the moldable material is forced into a space between the work pieces. If appellant's arrangement is designed for the injection molding of plastic material into an annular space between two concentrically disposed workpieces that may be of different axial length, and the pieces are assembled in the device quickly and accurately, it is believed to be obvious that claim 4 does not bring out this concept and defines no structure which could inherently perform the functions or purposes alleged. For the same reasons, neither claim 9 nor claim 10 defines structure to accomplish that result.

[1] We do not understand the Board's conclusion as quoted, supra, necessarily to mean that in its opinion the claims would be allowable even if they did clearly and definitely bring out the difference between appellant's structure and the structure of the cited prior art, but assuming they would be, we think that unless the claims themselves clearly define differences in structure they may not be allowed. In other words, since the claims of the application constitute the measure of the protection sought, it is immaterial that the disclosure of the application might support claims differently phrased, and, further, if the appealed claims are phrased as the Board held in effect, so that they are met substantially by the prior art cited, they are not patentable.

During a period of more than a century it has been stated again and again by all courts having jurisdiction in patent matters that it is proper to combine prior art disclosures of features pertinent to the claims of an application when considering the question of patentability. Authorities in support of this rule sufficient to fill hundreds of pages might be cited. Our decisions in the cases of *In re Farrand*, 18 CCPA (Patents) 1452, 49 F.2d 1035, 9 USPQ 330, 413 O. G. 559, and *In re Fridolph*, 30 CCPA (Patents) 939, 134 F.2d 414, 57 USPQ 122, 552 O. G. 561, are deemed apropos in this case.

As has been indicated, the Shaw patent cited in the instant case was not cited as being of itself a complete anticipation of the structure described in the appealed claims. That patent, however, is in the same field of art as that of appellant's application. Each discloses an apparatus for molding plastic products, and the Board's statements that (1) "the Shaw patent shows a molding apparatus generally similar to appellant's," and that (2) "the mold cavity [of the patent] is filled by extrusion in the same manner as in appellant's device," do not appear to be questioned by appellant.

The similarity of certain vital features of appellant's structure to certain vital features of the Shaw patent is pointed out in the brief of the Solicitor for the Patent Office as follows:

• • • appellant's platen 8 corresponds to Shaw's platen A; appellant's platen 25 carrying cylinder 28 corresponds to Shaw's arms K carrying cylinder Z; and appellant's piston 37 corresponds to Shaw's piston D.

The brief also states:

• • • Moreover, in operation the two devices also are essentially the same, for the reason that in each, upward movement of the lower platen toward the intermediate platen closes and forms the mold cavity; continued movement of both toward the plunger compresses the plastic material in the cylinder carried by the intermediate platen forcing it downwardly through the opening in the bottom of the cylinder to the mold cavity; and downward movement of the platen brings into play the ejecting pins carried by the lower platen to remove the molded article from the apparatus. Hence, it is believed to be clear and undisputed that the general combination and manner of operation of the Shaw apparatus and that of appellant are essentially the same.

It is thought that the Berry patent has been described sufficiently, supra.

The Primary Examiner said, inter alia:

• • • The Berry patent discloses the mold structure recited in these claims. • • • To mount Berry's mold in the Shaw platen press and provide it with a cylinder for holding material in the manner taught by Shaw is not seen to amount to invention. The Shaw press is a press commonly used in transfer molding and may be used interchangeably with the press and injection cylinder shown in the Berry patent. The recitation of the intended use of the device as for clamping work pieces and the like does not lend patentability to the claims. The Berry mold might obviously be used to enclose additional work pieces where desired. Yieldable pressure plate 86 of the Berry platen functions exactly in the same way as does applicant's yieldable plate. It supports an insert which may be of variable thickness so as to insure complete closure of the mold in each casting operation.

All the foregoing obviously is implicit in the somewhat differently phrased decision of the Board hereinbefore quoted.

The gravamen of the contention on behalf of appellant before us seems to be that there are differences between his structure and a structure which would result from mounting the mold of the Berry patent in the frame of the Shaw patent which differences are sufficient to distinguish patentably from the references. The differences so claimed appear to relate primarily to the feature of joining two work pieces by a molding operation.

It appears to be true, as stated by the Board, that the Berry patent discloses only one work piece, namely, the cover glass, but we find no reason for disagreement with the holding to the effect that the Berry mold might be used to enclose additional work pieces when desired, and we agree that nothing more than mechanical skill would be required to make any structural changes requisite to provide such use.

Furthermore, in this case the matter of patentability is not determinable from appellant's *disclosure* but depends primarily upon what he chose to *claim*.

We are not convinced that the decision of the Board should be reversed upon the merits.

Appellant presents a reason of appeal upon which, because it relates to a question of practice, we deem it proper to pass.

After the decision of the Board of Appeals had been rendered on May 22, 1950, appellant engaged new counsel and through his new counsel two papers were filed concurrently in the Patent Office. Both were filed July 19, 1950, which was just one day before the time for taking appeal to this court expired.

One paper, addressed to the Commissioner of Patents, requested the entry of amendments to the claims on appeal "for the purpose of meeting the terms [of the Board's adverse decision] thus overcoming the final rejection and placing the application in condition for allowance."

The other paper was entitled "Petition to Commissioner." In it the proposal to amend was recited and the Commissioner was advised that the Board was being requested "to make more explicit the statement of differences and to state that the claims may be allowed in amended form." It was asked also that in the event the Board did not grant such request the Commissioner "direct the Primary Examiner • • • to reopen and reconsider the patentable merit" of the claims as amended.

The record does not show an entry of the proposed amendments, nor does it show any action by the Commissioner of Patents upon the petition to him, but it does show that on July 20, 1950, the day following the filing of the proposed amendments and the petition to the Commissioner, notice of appeal to this court was given, the notice being signed by the new counsel.

The brief on behalf of appellant explains the course pursued as follows:

> The decision of the Board of Appeals recognized that appellant's molding operation is not the same as in the cited patents but stated the claims did not bring out this difference. Specifically the character of the work pieces and their relative positions were deemed not properly described.
>
> Accordingly after the Board's decision and the appointment of new counsel an attempt was made by petition (*a*) to have the Board make specific recommendations as to acceptable amendments to the claims or (*b*) to have the Primary Examiner directed to enter and favorably act on a proposed amendment drafted to present the claims in allowable form.
>
> Before the Commissioner acted, the time for filing notice of appeal to the court arrived. On receipt of this notice the Patent Office decided that it had lost jurisdiction to act on the petition.[1]

Appellant's sixth reason of appeal reads:

> The Board erred in refusing to state explicitly that the said claims may be allowed, if amended as proposed by the amendment offered July 19, 1950.

And the brief on appellant's behalf asserts:

> It is submitted that the power of the court to revise the decision of the Board of Appeals is ample authority to include in its decision a consideration of the merits of the appealed claims when amended as proposed.

[2] We do not think the Board erred "in refusing to state explicitly that the said claims may be allowed, if amended as proposed by the amendment offered July 19, 1950."

There is no evidence that the proposed amendments to the claims were in fact ever seen by the Board. No motion for reconsideration by the Board of its decision affirming that of the Examiner was presented. That would seem to have been a primary requisite for securing any action relative to the proposed amended claims. Furthermore no request for an extension of time within which to file a request for reconsideration was made.

It may not be held properly that a tribunal erred in not acting on claims which are not shown to have been before it at a time when action could be taken concerning it.

It is unnecessary to determine just what authority this court has respecting amendments to claims timely proposed and entered in the Patent Office but not acted upon by the Patent Office tribunals.

[3] We feel certain that in the instant case where the amendments were not entered and never became a part of the case we are without jurisdiction to consider them. See *In re Slate*, 27 CCPA (Patents) 810, 108 F.2d 268, 44 USPQ 123, 515 O. G. 560; *In re Taylerson*, 31 CCPA (Patents) 1025, 142 F.2d 72, 61 USPQ 352, 565 O. G. 521; and *In re Heritage*, 33 CCPA (Patents) 783, 153 F.2d 111, 68 USPQ 190, 585 O. G. 499.

[4] The decision of the Board of Appeals is affirmed.

AFFIRMED.

[1] The decision referred to must have been made orally and counsel informally advised of it. It does not appear in the record before us.

U. S. Court of Customs and Patent Appeals

IN RE THIEBLOT

No. 5822. Decided January 29, 1952

[194 F.2d 104; 92 USPQ 321]

1. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—RECORD—DRAWINGS FILED BY APPELLANT TO EXPLAIN REFERENCE PROPERLY PART OF APPEAL RECORD.

   Where appellant, in response to a rejection, filed detailed drawings of the structure shown in a cited reference photograph, and the record in the Patent Office shows that such drawings were considered by the Examiner and the Board of Appeals, *Held* that appellant may not properly urge that the tribunals below reached their decisions by inference or conjecture, and such drawings are properly part of the appeal record.

2. PATENTABILITY—PARTICULAR SUBJECT MATTER—AIRPLANE DESIGN.

   A certain claim to a design for an airplane *Held* properly rejected as failing to define invention over the cited prior art.

APPEAL from Patent Office. Serial No. D-140,209.

AFFIRMED.

Campbell, Brumbaugh, Free & Graves (*Walter H. Free* and *Fisher & Christen* of counsel) for appellant.

E. L. Reynolds (*Clarence W. Moore* of counsel) for Commissioner of Patents.

JACKSON, *J.*:

On July 11, 1947, appellant filed an application for a design patent, Serial No. D-140,209 "For An Airplane."

The Primary Examiner rejected the single claim "The ornamental design for an airplane substantially as shown," as not being patentable over the following references: Berkow, D-138,277, July 11, 1944; Flying and Popular Aviation, May 1941, page 55, Figure "Fairchild M-62A."

The Board of Appeals affirmed the decision of the Primary Examiner and from that decision this appeal was taken.

The drawings shown in the application disclose a low-wing single-engine monoplane. It is described by the Examiner as having a fuselage in generally circular cross-section which tapers gradually into an ovoid shape at its end extending into the vertical rudder section. The nose, wing tips, and rudder elements of the plane are squared and a transparent canopy covers the cockpit. It is said that the airplane of appellant was developed by the United States Navy for training purposes and is known as "XNQ." It is manufactured by the Fairchild Engine and Airplane Corporation of Hagerstown, Maryland, which is the residence of appellant.

The publication reference identifies the "Fairchild M-62A" airplane as a product of the same company which made appellant's plane. The reference plane, a view of which is depicted in the printed record, is a low-wing single-engine monoplane, apparently designed for two occupants in fore and aft position. There seems to be no canopy on the plane but there appears to be a windshield in front of each of the two cockpits. The design patent of Berkow shows a combination aircraft canopy and windshield.

The Examiner held that to place the canopy of the Brekow patent on the Fairchild plane of the reference would result in substantially the same appearance as that claimed in the application. He noted that the Berkow canopy is of a removable type and it would not require the exercise of invention to put such canopy on the Fairchild plane.

The Board of Appeals in its decision observed that there is substantial similarity between the appearance of the canopy shown in the application and that of the Berkow reference, both disclosing three windows in the front of the canopy and a large transparent cover extending to the rear and that because of its removability the Berkow canopy may be applicable to any airplane.

Both the tribunals below noted that the differences between the reference plane and the involved structure comprise in the latter, squared wing tips and the squared tip of the vertical and movable rudders, whereas in the reference plane those elements possess curved edges. They concluded that as far as design is concerned no invention is involved in changing the curved edges to the more nearly squared edges.

Counsel for appellant, in their brief on appeal, contend that the single view of the Fairchild M-62A plane, as shown in the printed record, is inadequate to show the whole design and to justify the conclusion of the Board that the plane of appellant and the reference plane look alike. They argue that the prior art reference should be as informative as the claimed designs are required by law to be in order that the novelty of the claimed design can be readily determined without conjecture as to the nature of the reference.

[1] Subsequent to the filing of the brief for appellant in this court, the Solicitor of the United States Patent Office filed a motion to correct diminution of the record and prayed for a writ of certiorari covering appellant's letter to the Patent Office of February 9, 1949, and the attachments thereto, together with page 5 of appellant's brief before the Board of Appeals filed on October 28, 1949. This court denied the motion with privilege to renew the same at the hearing on appeal. The motion was renewed at the hearing and granted by the court with costs to be taxed on the decision.

It appears from the material added to the record that prior to the final rejection by the Examiner Counsel for appellant presented a careful written description of the plane shown in the publication reference together with several clear drawings thereof. Therefore, an accurate picture of that plane was before the Examiner who stated in his final rejection that the detailed showing and the prints in connection with applicant's argument had been carefully considered.

Page 5 of appellant's brief before the Board of Appeals directed the attention of the Board to the drawings of the Fairchild M-62A plane which had been brought to the Examiner's attention and which was stated to be more revealing than the picture of the same plane shown in the publication reference.

The brief here on appeal for appellant makes no mention of the detailed description of the Fairchild M-62A drawings that were before both of the lower tribunals. It was stated that the photograph, as disclosed from the printed record, does not show the whole design of such plane and that the Board could not have reached the conclusion it did without inferring something additional to what is shown in the reproduction of the photograph in the printed record.

On the whole record which is before us, it is obvious that neither the Primary Examiner nor the Board of Appeals arrived at their conclusions by inference or conjecture. That is clearly shown by the language of the tribunals below, as may be observed from what has been set forth herein.

It is not disputed that the formations with respect to the shaped ends are conventional. It appears to us from a careful examination of the drawings of the M-62A plane which were before the lower tribunals and of which the photograph is a rather indistinct representation, that there is a strong similarity in appearance between that plane and the one shown in the involved application. It is also obvious that the transparent removable canopy of the Berkow reference is very similar to that of appellant.

[2] We are of opinion that there was no error in rejecting the involved claim.

For the reason that we have found it necessary to consider the matter which was added to the record by certiorari, the cost of such addition is taxed against appellant.

For the reasons herein set out, the decision of the Board of Appeals is affirmed.

AFFIRMED.

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 167,591, R. C. A., Radio receiving, detecting and transmitting apparatus; T. M. 253,286, same, Broadcast transmitters, quartz crystals, condenser microphones, etc., T. M. 273,676, same, Electric and mechanical phonographs and talking machines; T. M. 281,281, same, Electrical systems for receiving and distributing electrical waves; T. M. 310,781, same, Photographic and electro-physical sound recording apparatus; T. M. 378,399, same, Current, voltage and phase measuring and generating devices, etc.; T. M. 382,257, same, Shirts, jackets, jumpers and coats; T. M. 394,165, same, Mechanical pencils, fountain pens, rubber stamps, etc.; T. M. 394,427, same, Heat control system; T. M. 394,994, same, Electrically operated laundry washing machines, etc.; T. M. 395,726, same, Furniture polish and cabinet refinishing kits; T. M. 395,753, same, Refrigerators, etc.; T. M. 402,468, same, Electrically operated laundry washing machines, ironers, etc.; T. M. 412,801, same, Sound recording and reproducing apparatus

of non-phonographic types; T. M. 415,080, same, Lubricating oil and grease; T. M. 417,179, same, House organs, catalogues, etc.; T. M. 436,793, same, Electronic power equipment sound recording, etc.; T. M. 438,358, same, Set screw wrench; T. M. 438,872, same, Phonograph record storage racks, rubber feet for radio, etc.; T. M. 439,637, same, Articles composed wholly or in part of natural and/or synthetic rubber; T. M. 440,258, same, Ash tray; T. M. 440,372, same, Electric clock; T. M. 441,520, same, Calculators of the slide rule type, etc.; T. M. 507,669, same, Specially designed motor truck in the nature of a mobile television studio; T. M. 509,421, same, Internal combustion engine driven electrical generators; T. M. 509,803, same, Global radiotelegraph communication service; T. M. 512,300, same, Installation, maintenance, repair and inspection service for radiotelephone and radiotelegraph apparatus; T. M. 515,819, same, Industrial electronic servicing; T. M. 516,231, same, Flashlights, crystal pickup units for electrical phonographs; T. M. 517,135, same, Internal combustion engine power plants; T. M. 517,257, same, Radio range and position detection equipment used as navigation aids; T. M. 533,217, same, Beverage bottle uncaser and washer loader equipment; T. M. 534,081, same, Toy cardboard collapsible trucks; T. M. 543,747, same, Carpets, filed Mar. 12, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 13927—T, *R. C. A.* v. *Giant T-V Stores et al.*

T. M. 253,286. (See T. M. 167,591.)
T. M. 273,676. (See T. M. 167,591.)
T. M. 281,281. (See T. M. 167,591.)
T. M. 310,781. (See T. M. 167,591.)
T. M. 378,399. (See T. M. 167,591.)
T. M. 382,257. (See T. M. 167,591.)
T. M. 394,165. (See T. M. 167,591.)
T. M. 394,427. (See T. M. 167,591.)
T. M. 394,994. (See T. M. 167,591.)
T. M. 395,726. (See T. M. 167,591.)
T. M. 395,753. (See T. M. 167,591.)
T. M. 402,468. (See T. M. 167,591.)
T. M. 412,801. (See T. M. 167,591.)
T. M. 415,080. (See T. M. 167,591.)
T. M. 417,179. (See T. M. 167,591.)
T. M. 436,793. (See T. M. 167,591.)
T. M. 438,358. (See T. M. 167,591.)
T. M. 438,872. (See T. M. 167,591.)
T. M. 439,637. (See T. M. 167,591.)
T. M. 440,258. (See T. M. 167,591.)
T. M. 440,372. (See T. M. 167,591.)
T. M. 441,520. (See T. M. 167,591.)
T. M. 507,669. (See T. M. 167,591.)
T. M. 509,421. (See T. M. 167,591.)
T. M. 509,803. (See T. M. 167,591.)
T. M. 512,300. (See T. M. 167,591.)
T. M. 515,819. (See T. M. 167,591.)
T. M. 516,231. (See T. M. 167,591.)
T. M. 517,135. (See T. M. 167,591.)
T. M. 517,257. (See T. M. 167,591.)
T. M. 533,217. (See T. M. 167,591.)
T. M. 534,081. (See T. M. 167,591.)
T. M. 543,747. (See T. M. 167,591.)

NOTICES

Erratum

All references to Patent No. 2,595,256 to Sten T. Henriksson, assignor to Bolidens Gruvaktiebolag, Skelleftehamn, for Method for Wood Impregnation appearing in the OFFICIAL GAZETTE of May 6, 1952, should be deleted as the application was withdrawn from issue and the patent was not issued.

Adjudicated Patents

(C. A. Ill.) Ensminger Patent No. 2,262,670, for a combination storm and screen window, *Held* invalid. *F. C. Russell Co.* v. *Comfort Equipment Corp.*, 194 F.2d 592; — USPQ —.

(C. A. Calif.) Bradley Patent No. 2,477,168, for a machine used in fish canning industry for automatically eviscerating Monterey sardines. Claim 1 *Held* valid and infringed. *Oxnard Canners, Inc. et al.* v. *Bradley*, 194 F.2d 655; — USPQ —.

Trade-Marks

Abstract of Treasury Decision

(1) As the United States Court of Customs and Patent Appeals in the case of *Georg Jensen Sølvsmedie A/S* v. *George Jensen Handmade Silver Inc.*, 111 F.2d 169, decided that the sole owner in the United States of the "Georg Jensen" trade-marks was Georg Jensen Handmade Silver Inc. (now Georg Jensen Inc. of New York), no silverware, regardless of origin, shall be permitted entry when bearing any mark or name confusingly similar to any of the "Georg Jensen" trade-marks recorded in the Bureau, unless imported by, or for the account of, or under the written consent of, Georg Jensen, Inc., of New York, New York. The instruction contained in T. D. 52711 in this respect is revoked. Bureau letter March 25, 1952. (364.11)

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,521,331. Marble Cage Push Toy. Patented Sept. 5, 1950. Toy for infants and small children has a pair of spaced wheels and an elongated handle for pushing or pulling along the ground. A pair of transparent tubes extend between the wheels. The wheels have return passageways and connect with adjacent ends of the tubes so colored marble-like objects therein may roll through the wheels from one tube to the other as the wheels revolve. (Owner) Earl R. Biggs, 1336 S. W. Hall St., Portland 1, Oreg. Group 39—41. Reg. No. 47,726.

Pat. 2,574,262. Valve With Built-In Operating Cylinder for Pressure Fluid Operations. Patented Nov. 6, 1951. Hydraulically operated gate valve has a stationary hydraulic cylinder disposed in a bonnet chamber, and a fluid pressure operated reciprocable piston in the cylinder for opening and closing the valve. An adjustable stuffing box at bottom of cylinder is accessible from outside the valve. A piston rod slidably extending through the stuffing box is connected at its upper end to the piston and at its lower end to the bottom of a valve closing gate. The gate has a cylindrical cavity to receive the cylinder as the gate moves into the bonnet chamber to open position. Modifications shown. (Owners) Hugo C. Gollmer and Joseph Heck. Correspondence to Hugo C. Gollmer, 508 East 78th St., New York 21, N. Y. Group 35—61. Reg. No. 47,727.

Pat. 2,572,991. Bushing Remover. Patented Oct. 30, 1951. Hand manipulated bushing cutter and remover has a screw bar-like body formed with a longitudinal groove. The forward end of the bar terminates in a combined cutting blade and fixed jaw. A movable serrated jaw has side arms which straddle and are pivoted to a reduced portion of screw bar rearwardly of fixed jaw. A spring separates the two jaws. A slidable cam bar is mounted in the groove to coact with rear end of movable jaw. An actuating nut on the screw bar may be turned to reciprocate the cam bar. Spaced lugs on slidable bar provide stops for retaining the nut in adjusted position. (Owner) Norman De Grand, 1226 McCormick St., Green Bay, Wis. Groups 33—51; 35—69. Reg. No. 47,728.

Pat. 2,517,486. Ski Binding. Patented Aug. 1, 1950. A safety release mechanism for a ski-binding of the type wherein a tensioned strand is anchored to the ski and encircles the skier's heel. A double jaw pincer is carried by one end of the divided heel portion in the tensioned strand. A D-ring to be gripped by the pincer is carried by other end of heel portion. A bell crank, pivoted to the fixed jaw, carries a presser pin to close the movable jaw. A trip strand anchored to the ski is operable to swing the bell crank link and open the jaws and release the D-ring when the pincer is raised above a predetermined degree relative to the ski. (Owner) Verelynn M. Hewett, 11231 Auburn Ave., Seattle 88, Wash. Group 39—49. Reg. No. 47,729.

Pat. 2,493,602. Pressure Fluid Motor. Patented Jan. 3, 1950. Hydraulic power cylinder having a double-acting piston includes valve mechanism to automatically cushion the piston at the end of its power strokes. Cylinder heads secured to the ends of the cylinder are formed with axial passages and other communicating passages for the ingress and egress of fluid to the outer ends of the axial passages. A piston rod on which the piston and a valve sleeve at each side of the piston are mounted is guided through the axial passages. As the piston approaches either of the cylinder heads, one of the valve sleeves will enter one of the axial passages with slight clearance to restrict outward flow of fluid from the cylinder ahead of the piston. Modified forms of cushioning control valve mechanisms are disclosed. (Owner) Vance C. Sterrett, 501 West Linden Ave., Logansport, Ind. Group 35—61—69. Reg. No. 47,730.

Pat. 2,075,693. Wood Preserving and Fireproofing Composition. Patented Mar. 30, 1937. This invention relates to a solution to render wood and cloth waterproof and fireproof and also to render the wood termite-proof and to prevent cloth from rotting or disintegrating. The solution will not stain materials treated therewith, and wood will not shrink, swell, or warp if properly seasoned before being treated. The preservative composition may be made by dissolving zinc chloride, iron chloride, boric acid, and ammonium phosphate in water. The material to be treated is thoroughly saturated with the solution and then dried. (Owner) Cornelius D. Bell, Jr., 298 Broad St., Red Bank, N. J. Groups 22—54; 23—86; 24—11—21—23; 25—94; 28—34. Reg. No. 47,731.

Pat. 2,229,453. Tool Handle. Patented Jan. 21, 1941. An inexpensive handle is adjustable to releasably receive and firmly grip the tang of a tool such as a file. The handle is formed of a single piece, preferably rolled steel bar stock, bent in U-shape. One leg of the U terminates in an inwardly extending finger. The other leg, which extends beyond this finger, also terminates in an inwardly directed finger, but is bent, short of its finger, in an inturned thrust shoulder. Each finger has an aperture, in substantial alignment, into which the tool tang is inserted. A screw connecting the long leg and finger of shorter leg is operable to draw the legs toward each other. This causes the shoulder and the walls of the apertures to effect a three-point grip on the tang. (Owner) William E. Heuer, Dept. of Shop, University of Toledo, Toledo 6, Ohio. Group 33—52—91—99. Reg. No. 47,732.

Pat. 2,455,914. Voice Operated Antisinging Repeater. Patented Dec. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Signal controlled repeater system for two-way communication comprises a pair of amplifying channels interposed in a single transmission line. Each channel is identical and comprises a first amplifier input stage, a control stage, and an amplifier output stage, with the channels symmetrically connected with respect to each other and to the transmission line. The input stages are normally operative; and the output stages are normally inoperative, being biased to cut-off by potentials from the respective control stages. Each control stage will, in response to a signal from its input stage, first bias the input stage in the other channel to cut-off, and then unblock the output stage in its own channel to permit amplification and transmission of signals. Feedback from an output stage to an input stage is thus prevented, and "singing" avoided. (Owner) Francis J. Blitz, 1902 West Minnehaha Ave., St. Paul W4, Minn. Group 36—61—62. Reg. No. 47,733.

Pat. 2,482,413. Combined Tractor Powered Dump Wagon and Elevator. Patented Sept. 20, 1949. In this patent a trailer having a dump body may be coupled to a tractor and towed to and away from an endless conveyor type of elevator positioned on the ground adjacent a discharge station. The elevator is adapted to receive material dumped from the body and elevate it to the discharge station. The power take-off shaft of tractor is operatively and detachably coupled to a rotary pump mounted on the trailer to operate a hydraulic ram for moving the dump body to and from dumping position. An articulated counter-shaft mounted longitudinally in the trailer frame is operatively connected to the pump shaft, and terminates at its rear end in a square torsion tube portion. As the trailer is maneuvered into position adjacent the elevator, the square end of a shaft carried by the elevator may be slidably inserted in the torsion tube to detachably couple the shafts to operate elevator. (Owner) Paul R. Gibson, Miller, S. Dak. Groups 35—22—62; 37—99; 38—11. Reg. No. 47,734.

Pat. 2,572,878. Toy Horse. Patented Oct. 30, 1951. A self-propelled toy horse mounted on a three-wheel frame is propelled by a combination of forces from the weight of rider on the saddle and from pedals to increase the propelling force, particularly up an incline. The forward end of the body is pivotally mounted on the frame, and the rear end is connected to a crank shaft and to an actuating lever pivotally mounted in the frame and having pedals on the forward end. The parts are so arranged that a downward push on the pedals will elevate the rear of the body, and as the crank passes over the center the weight of the body and rider on the saddle will drive the crank downward and propel the horse forward. (Owner) Chub Morgan, 2447 Webster St., Berkeley 5, Calif. Group 39—43. Reg. No. 47,735.

Pat. 2,576,024. Scrotum Sleeve. Patented Nov. 20, 1951. Scrotum sleeve to be worn by men is designed to flex the tissues adjacent the areas to which the same is applied and thereby stimulate blood circulation. It comprises a metallic C-shaped sleeve of predetermined size, proportion, and weight. The neck of a scrotum may be inserted through a slot into the sleeve so that the sleeve will be supported on the enlarged depending portion of scrotum. A compressible rubber plug may be removably inserted into the slot to close the sleeve and retain neck of scrotum therein. When applying the sleeve, a soft pliant liner may be interposed between scrotum and sleeve. (Owner) William P. Laser, 87 Sandau St., St. Louis 19, Mo. Group 39—16. Reg. No. 47,736.

Des. 165,582. Citrus Peeler or Similar Article. Patented Jan. 1, 1952. Design for a citrus peeler or similar article. (Owner) Wesley L. Horning, P. O. Box 112, Fort Collins, Colo. Groups 33—51—73; 39—81; 40. Reg. No. 47,737.

In accordance with a Consent Decree in Civil No. 50-496 in U. S. District Court, Southern District of New York, Austenal Laboratories, Inc., of 224 East 39th St., New York, N. Y., has agreed to grant to each person making written request therefor a non-exclusive license on a reasonable, non-discriminatory royalty basis under Patent No. 2,461,416 to make, use, and sell pre-formed dental patterns in the manufacture of dentures. "Dentures" is defined as meaning an artificial denture containing dental alloy, but does not include artificial teeth. "Person" is defined as meaning an individual, partnership, firm, association, corporation, or other legal entity.

Pat. 2,461,416. Pattern Material, Pattern, and Method. Patented Feb. 8, 1949. The patterns consist essentially of rosin derivatives and ethyl cellulose. Group 39—17. Reg. No. 47,737½.

Dedicated Patents

In accordance with the same Consent Decree, Austenal Laboratories, Inc., has, by an instrument recorded in the U. S. Patent Office, dedicated the following five patents to the people of the United States of America.

Pat. 2,135,600. Denture. Patented Nov. 8, 1938.

Pat. 2,180,549. Denture. Patented Nov. 21, 1939.

These two patents cover cast metallic dentures having the characteristic of slight shrinkage when solidifying. The denture of Pat. 2,135,600 comprises an alloy having cobalt as the principal constituent and containing a combined percentage of chromium and tungsten not substantially over 40% to 45%. The denture of Pat. 2,180,549 comprises an alloy having cobalt as the principal constituent and containing chromium from about 10% to 40% and molybdenum over 5% but not exceeding approximately 20%. These alloys are useful not only for casting metallic dentures but for the production of wrought wires to be used in making dental clasps, retention bars, and the like. Group 39—17.

Pat. 2,027,932. Mold and Method for Its Production. Patented Jan. 14, 1936.

Pat. 2,081,558. Casting Investment Material and Process. Patented May 25, 1937.

Pat. 2,211,789. Refractory Mold Material. Patented Aug. 20, 1940.

These three patents cover methods of making highly refractory molds for casting high melting alloys, and refractory materials for use in making such molds. The molds are adapted to compensate for casting shrinkage and will not adhere to the castings. The molds are highly suitable for casting metallic dentures, but may also be used for casting articles unrelated to dentistry. Groups 34—91; 39—17.

The United States Steel Company, of Pittsburgh, Pa., has, by an instrument recorded in the U. S. Patent Office, dedicated the following patent to the people of the United States of America.

Pat. 2,559,016. Method for Determining Hardenability of Steel. Patented July 3, 1951. A method for determining the hardenability of steel as a function of grain size and composition. The method comprises the experimental determination of empirical factors which represent the effect on hardenability of the various alloying elements. The hardenability of any steel can then be predicted by multiplying the appropriate factors for each alloying element by the base hardenability factor which is a function of carbon content and grain size. Group 33—11—12.

Armstrong Forest Company, of Johnsonburg, Pa., has, by an instrument recorded in the U. S. Patent Office, dedicated the following patent to the public.

Pat. 2,324,968. Removal of Bark From Trees. Patented July 20, 1943. Provides a method of injecting chemical substances into live trees to facilitate easy removal of the bark. A live tree, during the growing season, is girdled, a section of bark removed, and a saw cut made at the bottom of the girdle with the cut extending entirely around the tree and through at least three rings of wood. A fabric container or bandage into which a suitable chemical substance is introduced is then tied around the cut portion of tree and allowed to remain. The tree draws the chemical substance into the sap stream, causing a chemical reaction which gradually kills tree and loosens the bark. The chemical substance may consist of a solution of calcium chloride and sodium chlorate, or other compound depending on the type of tree to be treated. Groups 24—11—21; 26—11.

The Pennsylvania Manufacturing Confectioners' Association, of Philadelphia, Pa., has, by an instrument recorded in the U. S. Patent Office, dedicated the following patent to the people of the United States of America.

Pat. 2,586,615. Bloom Inhibited Chocolate. Patented Feb. 19, 1952. Chocolate candy, chocolate coatings, and the like may be stabilized against discoloration by incorporating in the chocolate composition as a bloom inhibitor at least 0.5% of a mixture of a partial ester of a higher fatty acid with a polyhydroxy alcohol and a polyoxyalkylene partial ester of a higher fatty acid with a polyhydroxy alcohol. Group 20—71—72.

United States Government Owned Patent

The following patent (granted under the act of Mar. 3, 1883, as amended Apr. 30, 1928; 370 O. G. 757) is the property of the United States of America as represented by the Secretary of the Interior by virtue of assignment from the inventor, John H. Buscher. Licenses are non-exclusive and royalty-free. Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,576,921. Process for Producing an Ink-Receptive Surface on Tracing Cloth. Patented Dec. 4, 1951. Process for producing an ink-receptive but non-abrasive surface on draftmen's tracing cloth also renders the cloth practically insensitive to humidity changes. The surface of the cloth is treated with a mixture of starch, gelatin, alum, alcohol, formaldehyde, and water, and the treated cloth allowed to dry. Group 39—54. Reg. No. 47,738.

Patents Removed from Register

The following four patents, which were included in a list published by General Aniline & Film Corporation in the OFFICIAL GAZETTE, Dec. 7, 1948, as available for licensing, are hereby withdrawn from that category.

Pat. 2,338,442. Pat. 2,352,032.
Pat. 2,376,822. Pat. 2,320,654.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 20, 1952

[VOL. 658. NO. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,160. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.

WONDER

For Paper Tablets.
Claims use since Nov. 20, 1946.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 524,029. Vanol Chemical Company, Ann Arbor, Mich. Filed June 11, 1947.

VANOL

The drawing is lined for the color red.
For Nose Drops; Vaginal Jelly; Greaseless Ointments and Lotions for Treatment of the Skin—Namely, Analgesic Balms, Anesthetic Ointments, Antiseptic Healing Ointments, Calamine Lotions, Counter-Irritant Ointments, Germicidal Ointments, Petroleum Ointments, and Preparation for the Treatment of Fungus Infections of the Skin; Drugs—Namely, Sulfadiazine Solutions, Sulfamate Solutions, Sulfanilamide Solutions, Sulfapyridine Solutions, and Sulfathiazole Solutions; Cosmetics—Namely, Toilet Creams and Toilet Lotions, Face Powder, Lipstick, and Cologne; Stains and Dyes and Chemical Indicators for Technical and Laboratory Use; Acids—Namely, Sulfosalicylic Acid Concentrates, Sulfate Sulphuric Acid Solutions, Sulfuric Acid Solutions, Trichloro Acetic Acid Solutions, Tungstic Acid Solutions, Uric Acid Reagent Solutions, Acid Fuchsin Solutions, Picric Acid Solutions, and Hydrochloric Acid Solutions; Alcohol Ether Mixtures; Ether; Chloroform; Dextrose Solutions; Glucose Solutions; Saline Solutions; Diluted Caustic Solutions; Urea Solutions; Urea Nitrogen Solutions; Trisodium Phosphate Solutions.
Claims use since March 1936.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 582,126. Coffey-Hoyt Products, Inc., Gardena, Calif. Filed July 18, 1949.

Reziltuf

For Sheet Plastic, Resinous, Translucent Material Suitable for Use in the Manufacture of Clothing.
Claims use since Mar. 1, 1949.

Ser. No. 596,476. Bingham & Co., Inc., New York, N. Y. Filed Apr. 28, 1950.

PEATMOSS OPI BRAND

The words "Peatmoss" and "Brand" are disclaimed.
For Peatmoss.
Claims use since Apr. 24, 1950.

Ser. No. 610,656. American Air Filter Company, Inc., Louisville, Ky. Filed Mar. 1, 1951.

AAF

For Rolls of Fiber Glass, Synthetic Fibers and Cotton Wadding Used for Mechanical Dry-Type Ventilating Air Filters of the Portable Cell, Foldable Frame, and Stationary Pocket Types.
Claims use since Aug. 14, 1934.

Ser. No. 619,635. Mac Minkery, Inc., Two Harbors, Minn. Filed Oct. 5, 1951.

MAC Mink

The word "Mink" is disclaimed.
For Mink Pelts and Live Mink.
Claims use since 1942.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 598,157. Columbia Products Corporation, Brooklyn, N. Y. Filed May 26, 1950.

HOBBEE

For Handbags.
Claims use since March 1950.

Ser. No. 607,299. Rover Manufacturing Company, Inc., New York, N. Y. Filed Dec. 5, 1950.



For Dogs' Collars, Leashes, Harnesses, Chain Leather Leads, Round Leather Dog Collars, Round Leather Dog Muzzles, Combs, Rubber Mice and Rats, Suitcase Straps and Handles, Rubber and Natural Bones, Catnip Toys, Animal's Feed Dishes, and Blankets, and Balls.
Claims use since July 1944.

Ser. No. 607,367. Cobbs Manufacturing Company, Des Moines, Iowa. Filed Oct. 30, 1950. (Sec. 2f.)

WRAP-ON

Applicant claims ownership of Registration No. 270,272.
For Automobile Operator's Credentials Holder.
Claims use since Feb. 10, 1928.

Ser. No. 610,340. Lewellyn W. Robinson, doing business under the names of Warner Hall and Warner Hall Manufacturing Co., Wallace, N. C. Filed Feb. 20, 1951.

Bosom Friend

For Money Pouch for Attachment to the Underclothing of the User.
Claims use since Nov. 28, 1950.

Ser. No. 615,842. The Meeker Company, Inc., Joplin, Mo. Filed June 28, 1951.

340

For Billfolds.
Claims use since March 1946.

Ser. No. 615,989. The Meeker Company, Inc., Joplin, Mo. Filed July 2, 1951.

749

For Billfolds.
Claims use since July 1, 1948.

Ser. No. 616,063. Speirein Luggage Corporation, Brooklyn, N. Y. Filed July 3, 1951.

SHOK-GARD

For Ladies' and Men's Traveling Bags, Hand Luggage Cases, Wardrobe and Ladies' Overnight Cases.
Claims use since June 13, 1950.

Ser. No. 619,082. Olive M. Guffey, Kansas City, Mo. Filed Sept. 21, 1951.

FINDETTE

For Purse Files Comprising Multiple Compartment or Divisional Containers or Folders To Be Carried in Women's Purses and Handbags.
Claims use since Dec. 16, 1949.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 558,744. Sears, Roebuck and Co., Chicago, Ill. Filed June 8, 1948.

ALLSTATE

Applicant claims ownership of Registration No. 305,096.
For Cleaning Fluids (Upholstery), Metal Polish, Soap Compound for Cleansing Automobile Bodies, Chemically Treated Polishing Cloths, Paste for Removing Dirt, Wax, Etc., From Automobile Bodies Preliminary to Rewaxing and Polishing, Compounds (Valve Grinding), Liquid Rust Removers, Radiator Flushing Compounds and Automotive Cleaning Fluids, Combination Polish and Car Cleaner Preparation.
Claims use since Dec. 5, 1932.

Ser. No. 596,178. Joseph M. Moran, doing business as Kleen-Kurl Sales Co., Chicago, Ill. Filed Apr. 22, 1950.



The word "Kleen" is disclaimed. The drawing is lined for red.
For Stainless Steel Industrial Sponge.
Claims use since Dec. 27, 1949.

Ser. No. 620,389. Behr-Manning Corporation, Troy, N. Y. Filed Oct. 24, 1951. (Sec. 2f.)

BEHR - MANNING

For Flexible and Inflexible Abrasives.
Claims use since August 1928.

CLASS 5

ADHESIVES

Ser. No. 586,930. The Meyercord Company, Chicago, Ill. Filed Oct. 27, 1949.

Letter-ette

The word "Letter" is disclaimed apart from the mark as shown.
For Cut Pieces of Adhesive Pressure Sensitive Sheet Material Used in Forming Letters of the Alphabet for Sign Purposes.
Claims use since Sept. 21, 1949.

Ser. No. 602,221. Seydel-Woolley & Company, Atlanta, Ga. Filed Aug. 15, 1950.



Applicant claims ownership of Registration No. 249,976.
For Liquid Adhesive Preparation for Binding Fibres of Yarn and Surface Active Agents Used With Adhesives and in Compounding Adhesive Solutions.
Claims use since Jan. 1, 1924.

Ser. No. 603,750. Swift & Company, Chicago, Ill. Filed Sept. 19, 1950. (Sec. 2f.)

Swift's

For Adhesives—Namely, Dextrin and Starch Adhesives, Resin Base Adhesives, Ice-Proof Label Adhesives, Animal Glue, Hot Pick-up Gums, Rubber Based Adhesives, and Flexible Glues.
Claims use since 1926.

Ser. No. 603,875. Continental Chemical Company, Inc., Cayce, S. C. Filed Sept. 22, 1950.

CONTINENTAL
Red Tape

The words "Red Tape" are disclaimed.
For Pressure-Sensitive Adhesive Tape.
Claims use since Aug. 17, 1950.

Ser. No. 614,282. Behr-Manning Corporation, Troy, N. Y. Filed May 24, 1951. (Sec. 2f.)



Behr-cat

For Adhesives—Namely, Protein Base Adhesives, Rubber Base Adhesives, Resin Base Adhesives, and Inorganic Base Adhesives and Adhesive Tapes.
Claims use since Apr. 14, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 560,268. Hobb Swetnam Company Inc., Wichita Falls, Tex. Filed June 26, 1948. (Classified in Class 15.)
The word "Rust" is disclaimed.
See this serial number in Class 15 for goods and mark.
Claims use since Dec. 20, 1947.

Ser. No. 604,627. Dryrox, Incorporated, Houston, Tex. Filed Oct. 9, 1950.

DRYROX

For Demoistening Agent in Crystalline, Granular, or Other Solid and Substantially Dry Form, for Decreasing the Moisture Content of Air and Other Moisture-Containing Media.
Claims use since Aug. 27, 1950.

Ser. No. 605,261. Lake Products Company, St. Louis, Mo. Filed Oct. 21, 1950.

WATER-RITE

For Chemicals in Tablet and Powder Form Distributed Through Pet Shops for Removing Chlorine and Chloramine From and Adjusting pH Value of Home Aquariums.
Claims use since June 25, 1949.

Ser. No. 605,398. Alrose Chemical Company, Cranston, R. I. Filed Oct. 25, 1950.

ALROWET

Applicant claims ownership of Registrations Nos. 378,512, 378,513, and others.
For Penetrants and Wetting Agents.
Claims use since September 1941.

Ser. No. 606,808. Refined Products Corporation, Lyndhurst, N. J. Filed Nov. 22, 1950. (Classified in Class 52.)
Applicant claims ownership of Registration No. 425,590. See this serial number in Class 52 for goods and mark.
Claims use since May 15, 1950.

Ser. No. 614,362. Pacific Gas Corporation, New York, N. Y. Filed May 25, 1951.

AVOTANE

For Liquefied Petroleum Gases Embracing Butane, Propane, and Pentane.
Claims use since Apr. 28, 1951.

Ser. No. 614,819. Companhia Industrial de Algodao e Oleos, Forteleza, Ceara, Brazil. Filed June 6, 1951.

CIDAO

For Oiticica Oil, Castor Oil, and Cottonseed Oil.
Claims use since 1921; and use in commerce between Brazil and the United States since 1921.

Ser. No. 617,115. Lee Skirt Company, Philadelphia, Pa. Filed July 30, 1951.

LEELON

For Composition for Impregnating Fabrics To Render Them Spot and Water Repellant and Wrinkle Resistant.
Claims use since Mar. 5, 1951.

Ser. No. 617,325. Tennessee Corporation, New York, N. Y. Filed Aug. 3, 1951.

SEECO-FLUX

The term "Flux" is disclaimed.
For Soldering Flux.
Claims use since Jan. 8, 1951.

Ser. No. 617,485. Buckman Laboratories, Inc., Memphis, Tenn. Filed Aug. 9, 1951. (Classified in Class 13.) See this serial number in Class 13 for goods and mark.
Claims use since July 19, 1951.

Ser. No. 618,250. Sterwin Chemicals Inc., New York, N. Y. Filed Aug. 30, 1951.

WINROC

For Germicide and Sanitizing Preparation for Industrial Use.
Claims use since Aug. 6, 1951.

Ser. No. 621,553. Food Machinery and Chemical Corporation, San Jose, Calif. Filed Nov. 23, 1951.

STIKCOL

For Hormone Spray for Preventing Premature Drop of Apples.
Claims use since Aug. 20, 1951.

Ser. No. 621,758. D-Con Company, Inc., Chicago, Ill. Filed Nov. 28, 1951.



For Rodenticides.
Claims use since Jan. 12, 1951.

Ser. No. 623,592. Joe D. Burton, doing business as Hypotomic Sales, Bradenton, Fla. Filed Jan. 15, 1952.

Hypotomic

For Room Deodorant.
Claims use since Mar. 3, 1950.

CLASS 8

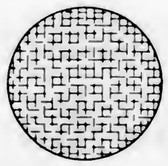
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 609,959. Chicago Metallic Manufacturing Co., Chicago, Ill. Filed Feb. 12, 1951. (Sec. 2f.)

Ash-Away

Applicant claims ownership of Registrations Nos. 254,409, 263,326, and 536,998.
For Tobacco Ash Trays.
Claims use since Jan. 2, 1928.

Ser. No. 618,491. Federated Supply Corporation, New York, N. Y. Filed Sept. 7, 1951.



The mark consists of the representation of a yellow dot.
For Smokers' Pipes, Cigarette Holders, Cigar Holders, and Cigar and Cigarette Lighters.
Claims use since July 1, 1951.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 590,596. Humble Oil & Refining Company, Houston, Tex. Filed Jan. 10, 1950.

HUMBLE

The drawing is lined for the colors red and blue. Applicant claims ownership of Registrations Nos. 165,844, 166,460, and others.
For Protective Coatings Composed of Asphalt, and Joint Sealing Compounds.
Claims use since Jan. 3, 1935.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 611,672. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 22, 1951.

WEST DISINFECTING Company

The words "Disinfecting Company" are disclaimed. Applicant claims ownership of Registrations Nos. 257,156, 379,308, and others.
For Metal Cabinets Designed To Be Attached to a Wall Surface and Holding and Dispensing Paper Towels.
Claims use since Dec. 1, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 560,268. Hobb Swetnam Company Inc., Wichita Falls, Tex. Filed June 26, 1948.

RUST-X

The word "Rust" is disclaimed.
For Lubricant With Incidental Rust Removing and Preventative Properties Which Forms a Coating Within the Cooling Jacket of Liquid Cooled Engines Having a Water Pump, the Coolant of Which Carries a Lubricant, in the Form of a Soluble Oil, Entrained Therein for the Lubrication of Moving Parts of the Water Pump Thereby Presenting a Single Product With a Multiple Use.
Claims use since Dec. 20, 1947.

Ser. No. 577,898. Pan-Am Southern Corporation, New Orleans, La., by change of name from Pan American Petroleum Corporation. Filed Apr. 28, 1949.

PERMAGEAR

For Lubricating Products—Namely, Crankcase Oils, Bearing Oils, Gear Lubricants, and Lubricating Greases.
Claims use since Jan. 15, 1948.

Ser. No. 577,899. Pan-Am Southern Corporation, New Orleans, La., by change of name from Pan American Petroleum Corporation. Filed Apr. 28, 1949.

PERMAPAK

For Lubricating Products—Namely, Crankcase Oils, Bearing Oils, Gear Lubricants, and Lubricating Greases.
Claims use since Jan. 14, 1948.

Ser. No. 579,566. The Standard Oil Company, Cleveland, Ohio. Filed May 26, 1949.

SOHI-COOL

The word "Cool" is disclaimed. Applicant claims ownership of Registrations Nos. 235,809, 347,088, and others.
For Grinding Oil.
Claims use since Apr. 22, 1946.

Ser. No. 588,863. The M. W. Kellogg Company, Jersey City, N. J., and New York, N. Y. Filed Dec. 6, 1949.

KEL-F

For Fluorinated Polymer Oil, Grease, or Wax To Be Used as a Lubricant.
Claims use since Aug. 16, 1948.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 539,604. Minnesota Linseed Oil Paint Company, Minneapolis, Minn., now by change of name Minnesota Paints, Inc., a corporation of Minnesota. Filed July 5, 1947. (Sec. 2f—Additional evidence.)

Quick-Namel

The word "Namel" is disclaimed. Applicant claims ownership of Registration No. 254,356.
For Varnish Enamel.
Claims use since Oct. 15, 1927.

Ser. No. 588,961. W. J. Lynch Paint & Varnish Co., Inc., East Providence, R. I. Filed Dec. 7, 1949.

King Philip

For House Paints, Exterior and Interior, Varnishes, and Enamels.
Claims use since Dec. 1, 1945.

Ser. No. 590,596. Humble Oil & Refining Company, Houston, Tex. Filed Jan. 10, 1950. (Classified in Class 12.)
The drawing is lined for the colors red and blue. Applicant claims ownership of Registrations Nos. 165,844, 166,460, and others.
See this serial number in Class 12 for goods and mark.
Claims use since Jan. 3, 1935.

Ser. No. 599,633. Hart and Burns, Incorporated, Riverside, Calif. Filed June 23, 1950.

PRE-TEK

For Ready-Mixed, Paint-Like Protecting Finish Coating Material and Rust-Penetrating Primer.
Claims use since May 1947.

Ser. No. 601,028. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed July 21, 1950. (Classified in Class 52.)
See this serial number in Class 52 for goods and mark.
Claims use since Feb. 8, 1932.

Ser. No. 615,889. Ellis Paint Company, Long Beach, Calif. Filed June 29, 1951.

N-M-E
THE ENEMY OF RUST

The words "The Enemy of Rust" are disclaimed.
For Rust Inhibitive Metal Primer or Paint, in the Nature of a Coating.
Claims use since Oct. 24, 1950.

Ser. No. 615,919. William Zinsser & Co. Incorporated, New York, N. Y. Filed June 29, 1951.

3 PURPOSE B-I-N

The notation "3 Purpose" is disclaimed.
For Combination Flat White Primer, Sealer, and Stain Killer Coating Composition for Application to Surfaces Prior to the Application of Paint, Enamel, or Lacquer Finish Coatings.
Claims use since Jan. 1, 1946.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 562,050. George W. Helme Company, New York, N. Y. Filed July 23, 1948.

SUPERIOR

The word "Superior" is disclaimed.
For Snuff.
Claims use since 1868.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 580,062. Harold A. Herrmann Sr., doing business as Anurel Company, Chicago, Ill. Filed June 7, 1949.

anurel

For Ointment.
Claims use since Mar. 24, 1949.

Ser. No. 584,159. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Aug. 27, 1949.

BENZ SO4

The term "SO4" is disclaimed.
For Medicine for Stimulation of the Central Nervous System, Treatment of Obesity, Control of Appetite, Stimulation of the Sympathetic Nervous System, Treatment of Narcolepsy, Depression, Post-Encephalitic Parkinsonism, Commonly Known as Parkinson's Disease, and Alcoholism.
Claims use since June 30, 1949.

Ser. No. 596,597. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 29, 1950.

LIROBEX

For Pharmaceutical Preparation Designed for Treatment of Vitamin Deficiency States.
Claims use since Sept. 24, 1947.

Ser. No. 606,929. Aktiebolaget Bofors, Bofors, Sweden. Filed Nov. 25, 1950. (Sec. 2f as to "Nobel" and "Bofors.")

NOBEL
BOFORS-SUEDE

The drawing is lined for shading only. The portrait of a man's head is fanciful. The word "Suede" is disclaimed. Applicant claims ownership of Swedish Registration No. 67,987, dated Mar. 31, 1950.
For Line of Medicinal, Veterinary, and Pharmaceutical Preparations—Namely, Analgesics, Antipyretics, Antiseptics, Anti-Rheumatics, Anaesthetics, Dietary Sugar Substitutes, and Collodion for External Use.
Claims use since November 1921 as to "Nobel" and "Bofors."

Ser. No. 617,485. Buckman Laboratories, Inc., Memphis, Tenn. Filed Aug. 9, 1951.

Buderma

For Pharmaceutical Preparation for Application to the Skin, for an Antiseptic, Insect Repellant, and Sunburn Preventative Purposes.
Claims use since July 19, 1951.

Ser. No. 618,752. The Wm. S. Merrell Company, Cincinnati, Ohio. Filed Sept. 13, 1951.

WHISP

For Medicinal Preparation for the Treatment of Respiratory Diseases and Headaches.
Claims use since Nov. 24, 1930.

Ser. No. 618,996. Warner-Hudnut, Inc., New York, N. Y. Filed Sept. 19, 1951.

METHOCARA

For Bulk Laxative.
Claims use since May 25, 1951.

Ser. No. 618,997. Warner-Hudnut, Inc., New York, N. Y. Filed Sept. 19, 1951.

NEOTROPINE

Applicant claims ownership of Registration No. 287,400.
For Antispasmodics.
Claims use since July 18, 1951.

Ser. No. 618,998. Warner-Hudnut, Inc., New York, N. Y. Filed Sept. 19, 1951.

Omni-Vita

Applicant claims ownership of Registrations Nos. 393,334, 406,107, and others.
For Multivitamin Preparation.
Claims use since June 28, 1951.

Ser. No. 619,038. The Smith-Dorsey Company, Lincoln, Nebr., assignor to The Wander Company, Chicago, Ill., a corporation of Delaware. Filed Sept. 20, 1951.

HEMO-VATINE

Applicant claims ownership of Registration No. 423,086.
For Vitamin Preparation for Muscular Injection.
Claims use since April 1951.

Ser. No. 619,094. A. H. Mathews & Company, Newark, N. J. Filed Sept. 21, 1951.

Apasate

For Reducing Aid in Tablet Form.
Claims use since July 13, 1951.

Ser. No. 619,115. Henry K. Wampole & Company, Incorporated, Philadelphia, Pa. Filed Sept. 21, 1951.

ORGALAC

Applicant claims ownership of Registrations Nos. 109,301 and 539,067.
For Mineral Dietary Supplements.
Claims use since July 27, 1951.

Ser. No. 619,371. The Upjohn Company, Kalamazoo, Mich. Filed Sept. 28, 1951.

Drocosone

For Medicinal Preparation for the Treatment of Endocrine and Metabolic Diseases.
Claims use since Aug. 22, 1951.

Ser. No. 619,372. Wyeth Incorporated, Philadelphia, Pa. Filed Sept. 28, 1951.

Cillimycin

For Penicillin and Streptomycin in Combined Dosage Form.
Claims use since Sept. 13, 1951.

Ser. No. 619,392. Lakeside Laboratories, Inc., Milwaukee, Wis. Filed Sept. 29, 1951.

CHOLATROPIN

For Tablet Medication for the Treatment of Chronic Cholecystitis, Cholangitis, and Biliary Dyskinesia.
Claims use since Mar. 30, 1948.

Ser. No. 619,393. Lakeside Laboratories, Inc., Milwaukee, Wis. Filed Sept. 29, 1951.

ESTROTATE,

For Injectable Medication for Estrogen Therapy.
Claims use since Aug. 3, 1948.

Ser. No. 619,394. Lakeside Laboratories, Inc., Milwaukee, Wis. Filed Sept. 29, 1951.

LIPOCAPS

For Capsule Medication for the Treatment of Arteriosclerosis, Cirrhosis, and Diabetes Mellitus.
Claims use since June 5, 1950.

Ser. No. 624,866. E. R. Squibb & Sons, New York, N. Y. Filed Feb. 12, 1952.

NYDRAZID

For Antituberculotic Preparation.
Claims use since Oct. 31, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 562,843. Esco Cabinet Company, West Chester, Pa. Filed Aug. 5, 1948.

ESCO

Applicant claims ownership of Registration No. 253,050.
For Electric Sterilizers To Sterilize Milk-Handling Utensils, Electric Water Heaters, and Insulated Battery

Compartments Used as a Part of Heating, Lighting, and Ventilating Apparatus as Alternate or Standby Sources of Power.
Claims use since Jan. 2, 1926.

Ser. No. 574,431. Holt Manufacturing Company, Oakland, Calif. Filed Feb. 24, 1949.

MASTER PROFESSIONAL

The word "Professional" is disclaimed.
For Electrical Portable Floor Machines.
Claims use since June 1936.

Ser. No. 577,951. Essex Wire Corporation, Detroit, Mich. Filed Apr. 29, 1949.

PARA-THERM

For Heat-Resistant Insulated Electric Wires.
Claims use since Mar. 1, 1940.

Ser. No. 595,670. McGraw Electric Company, Chicago, Ill. Filed Apr. 13, 1950. (Sec. 2f.)



The letters of the words "Round Wound" are lined to indicate the color red and the triangle in the black circle is lined to indicate the color yellow. Applicant claims ownership of Registration No. 396,251.
For Electrical Transformers and Parts Therefor.
Claims use since Apr. 1, 1941.

Ser. No. 598,156. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed May 26, 1950.



Applicant claims ownership of Registrations Nos. 353,142 and 353,510.
For Photographic, Photoengraving, and Photomechanical Apparatus and Supplies—Namely, Infra-Red Heating Lamps, Infra-Red Lamps, and Lamps for Cold Grid Printers.
Claims use since Oct. 15, 1949 as shown; and since Jan. 1, 1920 as to "Chemco"; and since August 1946 on the listed goods as to "Chemco."

Ser. No. 602,428. Stern Brown, Inc., Long Island City, N. Y. Filed Aug. 18, 1950.

SUPERSTAR Broil-o-Grill

The words "Broil" and "Grill" are disclaimed.
For Electric Combination Broilers and Grills.
Claims use since July 6, 1950.

Ser. No. 606,734. Simplex Wire & Cable Company, Cambridge, Mass. Filed Nov. 21, 1950.

Fig. 1.

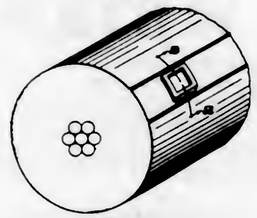


Fig. 2.



The representation of the goods is not claimed as a part of the trade-mark, which consists of the square ridge of the insulating material raised from its exterior surface, as shown in the enlarged cross section of Fig. 2.
For Insulated Electrical Conducting Wire and Cable.
Claims use since Oct. 5, 1950.

Ser. No. 611,618. Rockbestos Products Corporation, New Haven, Conn. Filed Mar. 21, 1951.



For Insulated Electric Conductors.
Claims use since Mar. 5, 1951.

Ser. No. 611,619. Rockbestos Products Corporation, New Haven, Conn. Filed Mar. 21, 1951.

HI-I YOUR BEST BUY

The phrase "Your Best Buy" is disclaimed.
For Insulated Electric Conductors.
Claims use since Mar. 9, 1951.

Ser. No. 612,739. Charles L. Herdegen, Fullerton, Calif. Filed Apr. 17, 1951.

VITOZONE

For Ozone Generators Generating Ozone by Electrical Ionization of Oxygen.
Claims use since Oct. 1, 1949.

Ser. No. 613,723. National Electric Products Corporation, Pittsburgh, Pa. Filed May 10, 1951.

K.G.W.

Applicant claims ownership of Registration No. 257,102.
For Electric Conductors—Namely, Grounded Nonmetallic Sheathed Cable.
Claims use since June 1, 1928.

Ser. No. 616,112. Lincoln Engineering Company, St. Louis, Mo. Filed July 5, 1951.

Linco-Matic

For Electric Record Changers.
Claims use since May 26, 1950.

Ser. No. 616,312. Capital Records, Inc., Hollywood, Calif. Filed July 11, 1951.

BOZO

For Electric Lamps.
Claims use since Aug. 31, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 593,795. Globe Sporting Goods Manufacturing Company, Boston, Mass. Filed Mar. 11, 1950.

GLOBE

Applicant claims ownership of Registration No. 416,861.
For Sporting Goods and Athletic Equipment—Namely, Baseball Fielders' Gloves, Baseball Basemen's Mitts, Baseball Catchers' Masks, Baseball Leg Guards, Baseball Body Protectors, Baseball Bats, Softball Fielders' Gloves, Softball Basemen's Gloves, Softball Catchers' Mitts, Softballs, Softball Masks, Softball Bats, Volley Balls, Striking Bags, Striking Bag Gloves, Boxing Gloves, Fighting Gloves, Boxing Helmets, Basketballs, Footballs, Football Helmets, Shoulder Pads, Hip and Kidney Pads, Blocking Pads, Soccer Balls, Hockey Gloves, Hockey Helmets, Handball Gloves, Medicine Balls, Cage Balls, and Hockey Shin Guards.
Claims use since Jan. 5, 1933.

Ser. No. 602,140. Chicago Roller Skate Company, Chicago, Ill. Filed Aug. 14, 1950.

CHICAGO

Applicant claims ownership of Registrations Nos. 400,292 and 511,867.
For Rollers and Wheels for Skates and Toy Goods of Various Kinds.
Claims use since 1906.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 552,364. Nicholson File Company, Providence, R. I. Filed Dec. 22, 1947.



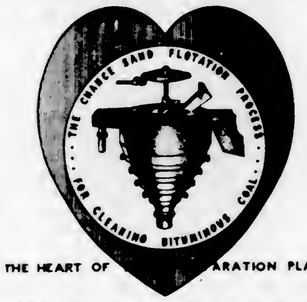
All of the wording with the exception of the word "Eagle" is disclaimed. Applicant claims ownership of Registrations Nos. 182,847 and 175,290.
For Files and Rasps.
Claims use since 1900.

Ser. No. 553,814. California Saw Works, San Francisco, Calif. Filed Apr. 5, 1948. (Sec. 2f.)

SMOOTHCUT

For Power Driven Circular Saws Which Are Ground With Side Clearance To Give a Smooth Cut and the Teeth of Which Are Not Spring Set or Swaged.
Claims use since 1934.

Ser. No. 555,030. United Engineers & Constructors Inc., Philadelphia, Pa. Filed Apr. 19, 1948.



The drawing is lined for red. The representation of the goods and the words "The Chance Sand Flotation Process for Cleaning Bituminous Coal" and "The Heart of the Preparation Plant" are disclaimed.
For Shaft Driven Machines for Cleaning Bituminous Coal by Sand Flotation.
Claims use since Mar. 5, 1948.

Ser. No. 576,914. Lee Healey Company, Glendale, Calif. Filed Apr. 11, 1949.

DRAINMASTER

For Drain Pipe Cleaner Commonly Known as a Snake.
Claims use since Mar. 8, 1948.

Ser. No. 589,686. D. B. Smith & Company, Inc., Utica, N. Y. Filed Dec. 20, 1949.

PESTMASTER

For Hand and Power Operated Sprayers, Insecticide Spray Guns, and Compressed Air Sprayers for Domestic and Industrial Purposes.
Claims use since Nov. 11, 1949.

Ser. No. 596,564. G. W. Davis Corporation, Richmond, Ind. Filed Apr. 29, 1950.

Flex-A-Matic

The word "Flex" is disclaimed.
For Mechanical Clutch Unit for Power Lawnmowers.
Claims use since Aug. 11, 1949.

Ser. No. 596,876. Southern Belting Company, Atlanta, Ga. Filed May 4, 1950.

Loomster

The words "Belting Co.," "Trade Mark," and "Atlanta, Ga." are disclaimed.
For Leather and Comparable Straps for Textile Machinery.
Claims use since Apr. 10, 1950.

Ser. No. 597,713. Thermset, Inc., Manchester, N. H. Filed May 18, 1950.

THERMSET

The representation of the mending cup is disclaimed.
For Apparatus for Use in Invisible Mending of Snags in Nylon Hosiery, Comprising a Table Supporting a Mending Cup Over Which the Hosiery To Be Mended May be Placed and Manually Mended, the Cup Being Associated With a Pad Against Which the Mended Portion May be Pressed by a Hot Iron When the Cup and Pad With the Hosiery Thereon Have Been Moved Over the Table From Mending Into a Pressing Position.
Claims use since Jan. 3, 1950; and since Oct. 15, 1948 in a slightly different form.

Ser. No. 605,602. Michigan Chemical Corporation, St. Louis, Mich. Filed Oct. 30, 1950.

PESTMASTER

Applicant claims ownership of Registration No. 442,099.
For Hand Operated Compression Type and Hydraulic Type Sprayers for Household and Agricultural Purposes.
Claims use since July 15, 1946.

Ser. No. 606,679. Donald C. Porter, Bakersfield, Calif. Filed Nov. 20, 1950.

HYP-O-HONE

The word "Hone" is disclaimed.
For Precision Honing Machine for Sharpening Hypodermic Needle Points.
Claims use since Sept. 22, 1950.

Ser. No. 614,781. David W. Margulies, doing business as Damar Distributing Co., Newark, N. J. Filed June 5, 1951.

Mrs. Damar's

The name shown on the drawing is fictitious.
For Non-Electrical Household Devices—Namely, Food Choppers, Food Pressers.
Claims use since Nov. 1, 1950.

Ser. No. 616,781. The Safety Car Heating and Lighting Company, Inc., New York, N. Y. Filed July 21, 1951.

ENTOLETER

Applicant claims ownership of Registrations Nos. 292,424 and 423,434.
For Material Impelling Machines for Destroying by Mechanical Action Insect Infestation in Cereal Grains, Food Products Milled or Otherwise Produced Therefrom, and in Foods Other Than Cereal Products, Material Impelling Machines for Hulling and Milling Cereal Grains and Seeds by Mechanical Action, Proportioning Apparatus and Agitating Machines for Mixing by Mechanical Action Flowable Materials or Flowable Materials With Liquids or Gases, Aspirating and Screening Machines for Separating Constituent Particles of Flowable Materials, and Machines for Scouring and Aspirating Flowable Materials.
Claims use since Mar. 26, 1940.

Ser. No. 617,987. Fairmount Tool & Forging, Inc., Buffalo, N. Y. Filed Aug. 23, 1951. (Sec. 2f.)

LAWSON

Applicant claims ownership of Registration No. 286,485.
For Wrenches.
Claims use since Jan. 1, 1926.

Ser. No. 618,111. Fraser Stamp & Seal Co., Inc., Chicago, Ill. Filed Aug. 27, 1951.

A BLUE LABEL STAMP

A label colored blue and the word "Stamp" are disclaimed.
For Rubber Stamps.
Claims use since July 12, 1951.

Ser. No. 618,182. Savage Arms Corporation, Utica, N. Y. Filed Aug. 28, 1951.

SAVAGE Rotor Chief

The word "Rotor" is disclaimed. Applicant claims ownership of Registrations Nos. 100,629, 438,857, and others.
For Gasoline Powered Rotary Lawn Mowers.
Claims use since Jan. 26, 1951.

Ser. No. 618,717. Taylor-Gjede Co., Inc., Webster, Mass. Filed Sept. 12, 1951.

Acrabore

For Auger Bits.
Claims use since Apr. 14, 1947.

Ser. No. 619,749. Firth Sterling Steel & Carbide Corporation, Pittsburgh, Pa. Filed Oct. 9, 1951.

MECHANICLAMPT

Applicant claims ownership of Registration No. 273,077.
For Tools for Turning, Grooving, Boring, Facing, Planing, Milling, Threading, Broaching, Shaping and Chamfering, Primarily Intended for Application by Hand and Machine in the Usual Manner to the Workable Materials, Such as Metal, Wood, Natural and Artificial Stones, Glass, Bakelite, Rubber, Etc.
Claims use since Aug. 10, 1951.

Ser. No. 619,899. O. M. Scott & Sons Company, Marysville, Ohio. Filed Oct. 11, 1951. (Sec. 2f.)

Scotts

For Hand Operated Mechanical Wheeled Spreaders for Seeding, Weeding, and Feeding.
Claims use since January 1940.

Ser. No. 620,212. Heli-Coil Corporation, Danbury, Conn. Filed Oct. 19, 1951.

H. C.

For Manually and Power Driven Tools, Apparatus, and Machines for Use in Connection With Screw Connections and Their Parts—Namely, Screw-Thread-Tapping Tools, Tools With and Without Prewinders for Inserting Wire Thread Bushings, Extracting Tools for Thread Bushings, Tools for Removing Tangs of Thread Bushings, Bushing-Expanding Tools, Offset and Staking Tools.
Claims use since 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 621,151. Klopp Engineering, Inc., Plymouth and Livonia, Mich. Filed Nov. 13, 1951.

MASTERTOOL

For Thickness Feeler Gauges.
Claims use since July 1, 1947.

Ser. No. 621,313. Hanson Scale Company, Chicago, Ill. Filed Nov. 16, 1951. (Sec. 2f.)

WAY RITE

Applicant claims ownership of Registration No. 504,713.
For Household Scales.
Claims use since Feb. 10, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 566,470. Oneida Ltd., Oneida and Sherrill, N. Y. Filed Oct. 5, 1948. (Sec. 2f.—Additional evidence.)

ONEIDA STERLING

The word "Sterling" is disclaimed. Applicant claims ownership of Registrations Nos. 66,338, 185,759, 188,650, 310,375, 316,341, 322,885, 340,426, and 370,388.
For Sterling Silver Flat Tableware.
Claims use since Aug. 24, 1948.

Ser. No. 582,470. Delma Mfg. Co., Inc., Providence, R. I., and New York, N. Y. Filed July 25, 1949.



The drawing is lined for blue.
For Necklaces, Bracelets, Finger Rings, Jewelry Clips, Key Chains, Brooches and Earrings, Made in Whole of, in Part of, or Plated With Precious Metal, and Some Precious Gems.
Claims use since May 1, 1949.

Ser. No. 609,232. Coro, Inc., New York, N. Y. Filed Jan. 25, 1951.

Aristocrat

For Simulated Pearl Jewelry—Namely, Pearl Necklaces, Earrings, Brooches, Bracelets, Strings of Pearls.
Claims use since August 1950.

Ser. No. 615,057. Gemex Company, Union, N. J. Filed June 12, 1951.

GEMEX CHARM-BAND

The words "Charm-Band" are disclaimed. Applicant claims ownership of Registrations Nos. 256,004, 357,056, and others.
For Bracelets and Watch Bracelets and Watch Straps.
Claims use since June 1, 1951.

Ser. No. 615,058. Gemex Company, Union, N. J. Filed June 12, 1951.

GEMEX JEWEL

The word "Jewel" is disclaimed. Applicant claims ownership of Registrations Nos. 256,004, 357,056, and others.
For Bracelets and Watch Bracelets and Watch Straps.
Claims use since June 1, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 599,514. Charles M. Kenney, public administrator of the estate of H. Hogan, deceased, Springfield, Ill. Filed June 21, 1950.

DUST EATER

For Impregnated Cloth for Cleaning and Polishing Painted and Varnished Surfaces.
Claims use since Oct. 14, 1949.

Ser. No. 600,197. Lowell K. Smith, doing business as Soft Touch Dust Cloth Co., Los Angeles, Calif. Filed July 3, 1950.

Soft-Touch

The word "Soft" is disclaimed.
For Chemically Treated Dust Cloths for Polishing and Cleaning.
Claims use since June 5, 1950.

Ser. No. 606,034. The New York Association for the Blind, Inc., New York, N. Y. Filed Nov. 7, 1950.

LIGHTHOUSE

Applicant claims ownership of Registration No. 139,179.
For Mops, Mop Handles, and Brooms.
Claims use since 1915.

Ser. No. 606,042. The New York Association for the Blind, Inc., New York, N. Y. Filed Nov. 7, 1950.

SNOW-TEX

For Mops.
Claims use since 1935.

Ser. No. 607,702. Consolidated Manufacturing Corporation, New Orleans, La. Filed Dec. 15, 1950.

"LadyFinger"

For Mops—Namely, Floor Mops.
Claims use since Jan. 11, 1944.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 599,740. Belco Industrial Equipment Division, Inc., Paterson, N. J. Filed June 26, 1950.

Belco

For Liquid Treating Equipment—Namely, Water Softeners of the Type Wherein Water Is Circulated Through a Tank Containing Zeolite or Other Water Softening Agent, Water Demineralizers of the Ion Exchange Type, Gravity and Pressure Filters, Automatic and Manual Filters.
Claims use since May 1946.

Ser. No. 618,612. American Air Filter Company, Inc., Louisville, Ky. Filed Sept. 11, 1951.

Auto·AIRMAT

The prefix "Auto" is disclaimed. Applicant claims ownership of Registrations Nos. 524,158, 532,728, and 553,031.
For Automatic Self-Cleaning Mechanical Dry-Type Lint Filters or Condensers Having an Endless Porous Conveyor Movably Supporting an Air-Porous Sheet-Like Filter Media Which Is Fed From a Supply Roll.
Claims use since Jan. 19, 1950.

CLASS 33

GLASSWARE

Ser. No. 564,728. Luce Manufacturing Company, Groton, Vt., assignee of Richard W. Luce, doing business as Luce Manufacturing Co. Filed Sept. 4, 1948.

BLUE MAGIC

The word "Blue" is disclaimed.
For Glass Salt and Pepper Shaker Sets.
Claims use since May 5, 1948.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 596,909. The Geometric Stamping Co., Euclid, Ohio. Filed May 5, 1950.

BREEZE—KING

The word "Breeze" is disclaimed.
For Ventilator Fans, Household Fans, and Window Ventilator Fans.
Claims use since Feb. 18, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 621,263. The Gates Rubber Company, Denver, Colo. Filed Nov. 15, 1951.

COR-V-AIR

The word "Air" is disclaimed.
For Semi Pneumatic Tires.
Claims use since Feb. 10, 1950.

Ser. No. 622,335. Hancock Manufacturing, Inc., Philadelphia, Pa. Filed Dec. 11, 1951.

DELILAH

For Garden Hose.
Claims use since Sept. 1, 1951.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 585,915. Antonio Contreras, New York, N. Y. Filed Oct. 7, 1949.

NEW YORK
MARILU

The term "New York" is disclaimed.
For Portable Phonographs, Grooved Phonograph Records, and Phonograph Needles.
Claims use since May 27, 1949.

Ser. No. 596,573. International Accordion Manufacturing Company, East Detroit, Mich. Filed Apr. 29, 1950.

ELIRAC

For Accordions.
Claims use since Apr. 27, 1950.

Ser. No. 597,975. Orfeo Industrial Comercial Financiera Sociedad Anónima, Buenos Aires, Argentina. Filed May 23, 1950.

ORFEO

For Grooved Phonograph Records.
Claims use since Sept. 29, 1947 in Argentina; and since Nov. 20, 1947 in commerce between Argentina and the United States.

Ser. No. 598,674. The Parlophone Company Limited, Hayes, Middlesex, England. Filed June 6, 1950.

ODEON

Applicant claims ownership of British Registration No. 286,213, dated Sept. 14, 1906.
For Grooved Phonograph Records.

Ser. No. 607,864. Michaels & Co., Inc., Brooklyn, N. Y. Filed Dec. 19, 1950.

Diamond Tone

The word "Tone" is disclaimed.
For Phonographs.
Claims use since July 24, 1947.

Ser. No. 618,645. L. & C. Mayers Co. Incorporated, New York, N. Y. Filed Sept. 11, 1951.

Lyceum

For Musical Instruments—Namely, Cornets.
Claims use since Aug. 15, 1951.

CLASS 37

PAPER AND STATIONERY

Ser. No. 539,072. National Office Supply Co., Waukegan, Ill. Filed Oct. 25, 1947.

NOSCO

Applicant claims ownership of Registration No. 387,190.
For Pencils and Pens.
Claims use since Jan. 2, 1907.

Ser. No. 578,495. Eagle Pencil Company, New York, N. Y. Filed May 10, 1949.

PRESTOMATIC

For Lead Holders and Mechanical Pencils.
Claims use since Apr. 27, 1949.

Ser. No. 596,311. United States Pen Company, Inc., New York, N. Y. Filed Apr. 22, 1950.

METRO

For Fountain Pens, Mechanical Pencils, and Ball Point Pens.
Claims use since November 1948.

Ser. No. 599,267. Sherman Paper Products Corporation, Newton, Mass. Filed June 16, 1950.

CORROPAD

Applicant claims ownership of Registrations Nos. 309,625 and 518,305.
For Packaging Divider or Pad Made of Corrugated Paper.
Claims use since Apr. 6, 1950.

Ser. No. 610,657. American Air Filter Company, Inc., Louisville, Ky. Filed Mar. 1, 1951.

AIRMAT

Applicant claims ownership of Registrations Nos. 524,158, 532,728, and 553,031.

For Rolls of Air Filter Paper Used for Mechanical Dry-Type Ventilating Air Filters of the Portable Cell, Foldable Frame, and Stationary Pocket Types.

Claims use since January 1928.

Ser. No. 618,150. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Aug. 28, 1951.



For Partially Printed Score Sheets and Scoring Pencils and Crayons.

Claims use since April 1944.

Ser. No. 618,208. Ferber Corporation, Englewood, N. J. Filed Aug. 29, 1951.

VAL-U-RITER

The word "Riter" is disclaimed.

For Ball Point Pens.

Claims use since Aug. 1, 1951.

Ser. No. 619,324. T. V. Allen Company, Los Angeles, Calif. Filed Sept. 28, 1951.

Air Mist

For Stationery, Consisting of Writing Papers and Correspondence Envelopes.

Claims use since 1945.

Ser. No. 619,454. Crown Zellerbach Corporation, San Francisco, Calif. Filed Oct. 1, 1951.



The drawing is stippled to indicate shading. The representation of the goods is disclaimed.

For Waxed Paper and Printed Waxed Paper Wrappers.

Claims use since Feb. 7, 1951 as shown; and since January 1924 as to the word "Western."

Ser. No. 619,537. Eastern Tablet Corporation, Albany, N. Y. Filed Oct. 3, 1951.

EASTAB

For Social Writing Paper, Blank Writing Portfolios, Correspondence Envelopes, Blank Commercial Forms, Blank Mailing Labels, Drawing Paper, Tracing Paper, Construction Paper for School, Art, Display, Poster and Decorating Purposes, Stenographers' Note Books, Miscellaneous Paper School Supplies—Namely, Writing Tablets, Loose Leaf Note-Book Fillers, Composition and Memorandum Books.

Claims use since July 27, 1951.

CLASS 39

CLOTHING

Ser. No. 503,585. Adolph Mosen, doing business under the name and style of Bestlyne Company, New York, N. Y. Original filed, act of 1920, June 10, 1946; amended to application under act of 1946, Principal Register, Apr. 27, 1950. (Sec. 2f.)

BESTLYNE

For Bathing Suits.

Claims use since July 1934.

Ser. No. 576,012. Phelps-Terkel, Inc., Los Angeles, Calif. Filed Mar. 24, 1949. (Sec. 2f.—Additional evidence.)

BALBOA BLUES

For Sportswear—Namely, Men's Slacks, Jackets, Shorts, Beach Robes, Sport Coats, Caps; and Women's Slacks, Jackets, Shorts, Halters, Robes, Dresses, Skirts, Hats.

Claims use since June 19, 1934.

Ser. No. 581,056. Wellco Shoe Corporation, Waynesville, N. C., and elsewhere in the United States. Filed June 4, 1949.

Jobease

For Footwear—Namely, Women's Shoes, Boots, Sandals, and Slippers.

Claims use since May 20, 1949.

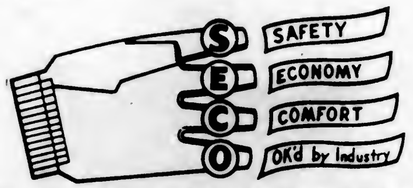
Ser. No. 585,150. Jasper Glove Company, Inc., Jasper, Ind. Filed Sept. 20, 1949. (Sec. 2f.)

"Covering the Nations Hands"

For Work Gloves Made of Combination Leather and Fabric.

Claims use since July 15, 1943.

Ser. No. 590,765. Peter C. Tainsh, doing business as Seco Safety Products Company, Detroit, Mich. Filed Jan. 12, 1950.



The representation of the glove and the words "Safety," "Economy," "Comfort," "O.K'd by Industry" are disclaimed.

For Safety Clothing for the Use and Protection of Industrial Workers—Namely, Fabric Gloves and Mitts, Aprons, Pants, Jackets, Protective Sleeves, Overalls, Spats, and Leggings.

Claims use since Apr. 1, 1948.

Ser. No. 601,600. California Sportwear Company, Los Angeles, Calif. Filed Aug. 2, 1950.

PERSUEDER

For Men's Jackets.

Claims use since February 1950.

Ser. No. 605,127. Wilson Brothers, Chicago, Ill. Filed Oct. 18, 1950.

TELA-JAMA

The word "Jama" is disclaimed.

For Men's Pajamas.

Claims use since Aug. 28, 1950.

Ser. No. 606,308. M. K. M. Hosiery Mills, Inc., Boston and Jamaica Plain, Boston, Mass. Filed Nov. 13, 1950.

Tiara Heel

The word "Heel" is disclaimed.

For Ladies' Hosiery.

Claims use since July 31, 1950.

Ser. No. 610,104. The H. A. Seinsheimer Company, Cincinnati, Ohio. Filed Feb. 14, 1951.

Hunting Ridge Tweeds

The word "Tweeds" is disclaimed.

For Men's and Boys' Suits, Overcoats, Topcoats, Trousers, and Slacks.

Claims use since March 1939.

Ser. No. 610,738. Catherine Frey Associates, Inc., New York, N. Y. Filed Mar. 2, 1951.

PLUMP 'N' PRETTY

The word "Pretty" is disclaimed.

For Women's and Misses' Dresses, Coats, Suits, Blouses, Skirts, Slacks, Jackets, Shorts, Pedal Pushers, Playsuits, Sundresses, Bathing Suits, Beach Robes, Panties, Slips, Chemises and Petticoats, Negligees and Hosiery.

Claims use since Feb. 26, 1951.

Ser. No. 610,915. Le Rouet Limitee, Quebec City, Quebec, Canada. Filed Mar. 6, 1951.

Le Rouet

For Woolen Goods—Namely, Knitted Sweaters and Socks.

Claims use since Mar. 16, 1946 in Canada; and in commerce between foreign nations and the United States since June 20, 1946.

Ser. No. 611,004. Wallach's, Inc., New York, N. Y. Filed Mar. 7, 1951.

Racquet Club

For Men's Suits, Overcoats, Topcoats, and Sportcoats.

Claims use since Jan. 24, 1951.

Ser. No. 611,321. Wearever Shirt Co., Inc., New York, N. Y. Filed Mar. 14, 1951.

For Dress Shirts, Flannel Shirts, Sport Shirts, and Work Shirts for Men and Boys.

Claims use since Aug. 1, 1942.

Ser. No. 611,336. Marcus Breier Sons, Inc., Amsterdam, N. Y. Filed Mar. 15, 1951.



The words "Jackets" and "Everywear" are disclaimed. The drawing is lined for shading. Applicant claims ownership of Registration No. 361,448.

For Jackets for Men and Women.

Claims use since Dec. 1, 1950.

Ser. No. 611,577. M. K. M. Hosiery Mills, Inc., Jamaica Plain, Boston, Mass. Filed Mar. 20, 1951.

Tiara
TRULY A JEWEL

The expression "Truly a Jewel" is disclaimed.
For Women's Hosiery.
Claims use since Nov. 14, 1950, as to the mark shown; and since July 31, 1950, as to the word "Tiara."

Ser. No. 615,240. Nantex Manufacturing Co., Inc., New York, N. Y. Filed June 15, 1951.

KUM'R-BAND

The word "Band" is disclaimed.
For Men's Cotton, Rayon, and Nylon Shorts.
Claims use since May 15, 1951.

Ser. No. 615,967. Herman Barz, Inc., New York, N. Y. Filed July 2, 1951.

MOISTRAP

For Sweatbands for Hats.
Claims use since May 15, 1950.

Ser. No. 616,933. Adams-Millis Corporation, High Point, N. C. Filed July 26, 1951.

Mile Master

For Women's and Misses' Hosiery.
Claims use since May 3, 1951.

Ser. No. 617,669. D. L. McDonald, doing business as H. M. McDonald Company, Chicago, Ill. Filed Aug. 14, 1951.



For Men's, Women's, and Children's Undershirts and Sport Shirts.
Claims use since July 27, 1951.

Ser. No. 620,028. Donovan Enterprises, Saugatuck, Conn. Filed Oct. 16, 1951.

SHOWBOAT

For Diaper Covering.
Claims use since Aug. 7, 1951.

Ser. No. 620,030. Duplex Hosiery Corporation, New York, N. Y. Filed Oct. 16, 1951.



GOLDEN-GAUGE

The word "Gauge" is disclaimed.
For Ladies' Hosiery.
Claims use since July 1951.

Ser. No. 620,088. Charlotte Mercantile Company, Charlotte, N. C. Filed Oct. 17, 1951.

Gracious Lady

Applicant claims ownership of Registration No. 381,582.
For Ladies' Hosiery and Ladies' Shoes.
Claims use since July 1, 1939.

Ser. No. 620,101. Hamilton Hosiery Mills, Inc., New York, N. Y. Filed Oct. 17, 1951.

···Pico-Blanche···

For Women's Stockings.
Claims use since Aug. 31, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 610,686. G. Howard Hodge, Inc., New York, N. Y. Filed Mar. 1, 1951.

LE LOUP
(WOLF)

For Veils, and Veilings, Netting and Maline, All for Millinery Purposes.
Claims use since Feb. 8, 1951.

Ser. No. 612,001. Cameo Curtains Inc., New York, N. Y. Filed Mar. 30, 1951.



The representation of a lady's head is fanciful. Applicant claims ownership of Registration No. 539,954.
For Window Curtains Composed of Marquisette Fabric and of Voile Fabric.
Claims use since 1928.

Ser. No. 617,303. Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Filed Aug. 3, 1951.

REMBRANDT

For Textile, Woven, Woolen Rugs and Carpets.
Claims use since May 7, 1951.

Ser. No. 618,778. Andrée Fabrics, New York, N. Y. Filed Sept. 14, 1951.

Moucheté

For Rayon Fabrics.
Claims use since February 1948.

Ser. No. 619,161. M. Hausman & Sons, Inc., New York, N. Y. Filed Sept. 24, 1951.

THERM-AIRE

For Piece Goods Made of Rayon.
Claims use since Aug. 21, 1951.

Ser. No. 623,410. Gehring Textiles, Inc., New York, N. Y. Filed Jan. 10, 1952.

PERMA-TUCK

The word "Tuck" is disclaimed.
For Piece Goods of Nylon.
Claims use since Dec. 10, 1951.

Ser. No. 623,451. Bigelow-Sanford Carpet Company, Inc., Thompsonville, Conn. Filed Jan. 11, 1952.



Applicant claims ownership of Registration No. 294,006.
For Pile Fabric Rugs and Carpets.
Claims use since November 1931.

CLASS 43

THREAD AND YARN

Ser. No. 579,868. Freydberg Bros.-Strauss, Inc., New York, N. Y. Filed June 2, 1949.

Glint

For Metallic Yarn for Knitting, Weaving, and Crocheting.
Claims use since May 16, 1949.

Ser. No. 612,528. Emile Bernat & Sons Company, Jamaica Plain, Mass. Filed Apr. 12, 1951.

BERNATIZED

Applicant claims ownership of Registrations Nos. 385,882 and 390,817.
For Knitting Yarn.
Claims use since Apr. 1, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 586,349. Delno Products Company, Menlo Park, Calif. Filed Oct. 15, 1949.



The word "Aid" is disclaimed.
For Guard for Holding the Cuticle Away From Finger Nails While Manicuring or Painting Same.
Claims use since Sept. 16, 1949.

Ser. No. 605,440. Ritter Company, Inc., Rochester, N. Y. Filed Oct. 25, 1950. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 263,821, 263,822, and 212,833.
For Dental, Medical, and Surgical Appliances—Namely, Foot and Motor Pump Chairs, Stools, Equipment Stands, Dental and Bone Surgery Engines, Operating and Spot

Lights, Fountain Cuspidors, Syringes and Spray Bottles, Cauteries, Pulp Testers, Mouth Lamps and Mirrors, Examination and Treatment Tables Comprising a Plurality of Sections Movable Together or Separately Relative to a Common Supporting Plane, Sterilizers, X-Ray Machines and Parts Thereof, and Lathes.
Claims use since Mar. 21, 1928.

Ser. No. 617,571. The Wilson Rubber Company, Canton, Ohio. Filed Aug. 10, 1951. (Sec. 2f.)

WILSON

For Rubber and Plastic Surgical Gloves.
Claims use since January 1917.

Ser. No. 619,948. Emil J. Paidar Company, Chicago, Ill. Filed Oct. 12, 1951. (Sec. 2f.)

Paidar

For Hair Dryers, Ophthalmic Chairs, Physiotherapy Tables, Treatment Tables, Massage Tables, Examination Tables, Canine Operating Tables, and Sterilizer Cabinets.
Claims use since Aug. 24, 1928.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 601,927. Jonathan Levi Co., Inc., Albany, N. Y. Filed Aug. 8, 1950.

WGY

Applicant claims ownership of Registration No. 217,375.
For Grape Juice.
Claims use since 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 519,637. Fearn Foods Inc., Franklin Park, Ill., by change of name from Fearn Laboratories, Inc. Original filed, act of 1905, Mar. 27, 1947; amended to application under act of 1946, Principal Register, Aug. 8, 1947. (Sec. 2f as to "Fearn's Le Gout.")



The representation of the chef is purely fanciful. The drawing is lined for the colors red and yellow or gold. Applicant claims ownership of Registration No. 356,081.
For Canned Soups and Soup Bases, Vegetable Seasoning and Seasoning Compounds in Powder, Paste, and Liquid Form, Chop Suey Sauces, Powders for Making Gravies, Meat Tenderizers of Vegetable Origin, Cereal Extenders for Meats, Cereal Breakfast Foods, Food Flavorings in Liquid, Paste, and Powder Form, Flavor Builders and Enrichers Containing Monosodium Glutamate, and Prepared Pancake Flour.
Claims use since Feb. 17, 1947, as to the mark shown; and since December 1940 as to the words "Fearn's Le Gout."

Ser. No. 540,449. Pennsylvania Egg & Poultry Producers Associations, Worcester, Pa. Filed Nov. 7, 1947. (Sec. 2f.) COLLECTIVE MARK.



All wording except "Pennsylvania" is disclaimed.
For Fresh Eggs.
Claims use since Jan. 15, 1939.

Ser. No. 545,017. The Maillard Corp., New York, N. Y. Filed Dec. 20, 1947. (Sec. 2f as to "Maillard's.")

Maillard's Velour Chest

The words "Velour Chest" are disclaimed. Applicant claims ownership of Registrations Nos. 363,417, 57,166, and 58,133.
For Candy.
Claims use since December 1932.

Ser. No. 545,820. Wirthmore Feed Co., Cleveland, Ohio, by change of name from The G. E. Conkey Company. Filed Dec. 31, 1947. (Sec. 2f as to "Conkeys.")



Applicant claims ownership of Registrations Nos. 127,594, 130,683, and 380,246.
For Poultry Feed, the Primary Ingredients of Which Are Meat Scrap, Fish Meal, Soy Bean Oil Meal, Corn Gluten Meal, Dehydrated Alfalfa Meal, Yellow Corn Meal, and Wheat Bran; Livestock Feed, the Primary Ingredients of Which Are Linseed Oil Meal, Cracked Corn, Crushed Oats, Wheat Bran, and Molasses; Pigeon Feed, the Primary Ingredients of Which Are Peas, Corn, Milo, Vetch, and Wheat; Rabbit Feed, the Primary Ingredients of Which Are Soy Bean Oil Meal, Dehydrated Alfalfa Meal, Yellow Corn Meal, Wheat Bran, and Ground Oats; and Dog Food.
Claims use since 1929 as to the mark shown; and since 1893 as to "Conkeys."

Ser. No. 546,958. Cremix Company, Chicago, Ill. Filed Jan. 14, 1948.



The representation of the can is disclaimed. The drawing is lined for yellow and shading. The mark consists of the yellow band on the shoulder of the container and a similar yellow band on the side flange of the can cover.
For Ice Cream Mix, Fluid Cream, and Concentrated Skimmed Milk.
Claims use since Dec. 15, 1936.

Ser. No. 557,824. Bruder Dairy Products Company, Cleveland, Ohio. Filed May 26, 1948.

ATOMIC

For Cheddar Cheese.
Claims use since Dec. 10, 1946.

Ser. No. 566,766. The Procter & Gamble Company, Cincinnati, Ohio. Filed Oct. 9, 1948.

Fix

For Nut Butter Stabilizer Comprising Specially Prepared Oil and Fat Sold in Drums to Peanut Butter Manufacturers Only.
Claims use since July 18, 1948.

Ser. No. 567,418. Methow Pateros Growers, Inc., Pateros, Wash. Filed Oct. 21, 1948. (Sec. 2f—Additional evidence.)

CRISP'N SPICY

For Fresh Apples.
Claims use since 1936.

Ser. No. 575,655. Bernhard A. Maushardt, doing business as Maushardt Fine Candies, San Francisco, Calif. Filed Mar. 18, 1949.

MOSS HEART

The drawing is lined for green.
For Candy.
Claims use since Feb. 23, 1949.

Ser. No. 579,559. Rudolf Ritter, New York, N. Y. Filed May 26, 1949.

Puritt

For Gelatin-Type Desserts, Baking Powder, Vanilla Sugar, Food Flavoring Powders, Candy.
Claims use since Oct. 15, 1945.

Ser. No. 582,322. Pillsbury Mills, Inc., Minneapolis, Minn. Filed July 21, 1949. (Sec. 2f.)

Pillsbury's

Applicant claims ownership of Registrations Nos. 45,179, 45,180, and others.
For Wheat Flour (Including Bakery and Family Flour Made From Soft or Hard Wheat), Enriched Wheat Flour, Bromated Wheat Flour, Enriched Bromated Wheat Flour, Self-Rising Wheat Flour, Enriched Self-Rising Wheat Flour, Phosphated Wheat Flour, Whole Wheat Flour, Graham Flour, Cake Flour, Flour Used for Making Ice Cream Cones and Similar Types of Baked Products, Pastry Flour, Piecrust Flour, Malted Wheat and Barley Flour, Farina, Enriched Farina, Wheat Germ Meal, Wheat First Clears, Crushed Wheat, Cracked Wheat, Rolled Wheat, Flaked Wheat Flour, Wheat Flour and Whole Wheat Flour Mixtures, Wheat Flour and Bran Mixtures, Durum Flour, Durum First Clears, Semolina, Mixtures of Semolina and Durum Flour, Durum Granular, Rye Flour, Mixtures of Rye Flour and Rye Middlings, Mixtures of Rye Flour and Wheat Flour, Pumpernickel Flour, Rye Graham Flour, Rye Flakes, Rye Meal, Rye Chops, Cracked Rye, Yellow Corn Meal, White Corn Meal, Corn Grits, Feeds and Ingredients of Feeds for Livestock, Poultry, Dogs, Rabbits, and Other Animals and Birds—Namely, Wheat Shorts, Wheat Middlings, Wheat Bran, Wheat Low Grade Feed Flour, Wheat Red Dog, Wheat Mixed Feed, Durum Cracked Wheat, Red Durum Cracked Wheat, Durum Red Dog, Durum Second Clears, Durum Bran, Cracked Corn, Mixtures of Cracked Corn and Cracked Wheat, Ground Corn, Pulverized Oats, Rye Middlings, and Soybean Meal; Prepared Mixtures of Flour With Other Ingredients for the Making of Cakes, Cookies, Rolls, Muffins, Bread, Piecrust, Pancakes, Biscuits, Doughnuts, and Other Leavened and Unleavened Baked Goods and Pastry Products.
Claims use since 1871.

Ser. No. 587,995. A/S Ferrosan, Copenhagen, Denmark. Filed Nov. 18, 1949.

PANDUROL

Applicant claims ownership of Danish Registration No. 1,613/1948, dated Nov. 27, 1948.
For Preservatives for Foods and Ingredients of Foods.

Ser. No. 589,704. American Stores Company, Philadelphia, Pa. Filed Dec. 21, 1949. (Sec. 2f.)

Virginia Lee

The mark consists of a fanciful name. Applicant claims ownership of Registrations Nos. 380,248 and 395,008.
For Cake, Candy, Rolls and Pastry.
Claims use since March 1935.

Ser. No. 592,733. Lehigh Wholesale Grocery Company Inc., Allentown, Pa. Filed Dec. 31, 1949.

TREXLER PARK

The word "Trexler" is disclaimed.
For Canned Fruits, Canned Vegetables, Tea, Pork and Beans, Maraschino Cherries, Pickles, Olives, Catsup, and Mayonnaise.
Claims use since Dec. 5, 1949.

Ser. No. 592,983. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Feb. 24, 1950.



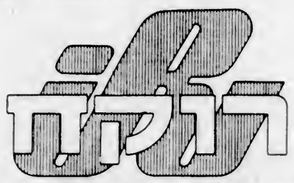
The words "Sally Clover" and the silhouette are fanciful. Applicant claims ownership of Registration No. 350,846.
For Wheat Flour.
Claims use since July 1, 1933.

Ser. No. 593,379. Vacu-Dry Company, Oakland, Calif. Filed Mar. 3, 1950.



The portrait of the boy is fanciful.
For Fruit-Nut Bread.
Claims use since Mar. 2, 1950.

Ser. No. 596,867. I. Rokeach & Sons, Inc., Brooklyn, N. Y. Filed May 4, 1950. (Sec. 2f as to the name "Rokeach" presented in Hebrew lettering.)



Applicant claims ownership of Registrations Nos. 82,261, 189,058, and others.
For Matzos.
Claims use since Feb. 20, 1950, as to the composite mark shown; and since May 1, 1924, as to the Hebrew characters comprising the name "Rokeach."

Ser. No. 599,116. Queen Anne Candy Corporation, doing business under the name Canterbury Candy Makers, Seattle, Wash. Filed June 14, 1950.

Canterbury TALES

Applicant claims ownership of Registration No. 383,095.
For Boxed Chocolates.
Claims use since 1920.

Ser. No. 599,177. International Milling Company, Minneapolis, Minn. Filed June 15, 1950. (Sec. 2f.)

FLAKY CRUST

Applicant claims ownership of Registration No. 412,203.
For Wheat Flour, for Human Consumption.
Claims use since Feb. 1, 1931.

Ser. No. 599,814. Thomas B. Chiles, doing business as Hush Puppie Mix Co., Lexington, Ky. Filed June 27, 1950.

BUSH CHILES'

Consent to use and register the name "Bush Chiles'," which is applicant's pseudonym, is given.
For Hush Puppy Mix.
Claims use since May 15, 1950.

Ser. No. 601,396. Russell S. Smith, Route 1, Mechanic Falls, Maine. Filed July 27, 1950.

SCLEROMULSIN

For Dietary Supplement Consisting of Definite Portions of Non-Fat, Dry Milk Solids, Gelatin, an Emulsifier (Lecithin), Extract of Sarsaparilla Root, a Vegetable Flavoring Extract Such as Oil of Wintergreen, and Water.
Claims use since Mar. 1, 1950.

Ser. No. 602,515. Merrill Candy Company, Merrill, Wis. Filed Aug. 21, 1950.



The representation of the cherries is disclaimed. Applicant claims ownership of Registrations Nos. 112,528, 422,208, 433,860, and 527,539.
For Candy.
Claims use since Oct. 10, 1936.

Ser. No. 602,854. The Pearl Coffee Company, Akron, Ohio. Filed Aug. 28, 1950.

Diana

Applicant claims ownership of Registration No. 230,290.
For Tea, Vinegar, and Instant Mix for Making a Hot Chocolate Flavored Beverage Composed of Sugar, Non-Fat Milk Solids, Cocoa, Salt, and Synthetic Vanilla.
Claims use since July 19, 1927.

Ser. No. 604,930. Richey & Gilbert Company, doing business under the name Snow Mountain Orchard, Yakima, Wash. Filed Oct. 14, 1950.

SNOWKING

For Gift Packages of Fresh Apples or of Fresh Pears, or of the Two Combined.
Claims use since Oct. 1, 1949.

Ser. No. 606,110. Achobi Condiment Co., New York, N. Y. Filed Nov. 9, 1950.



The drawing is lined for red, but no claim is made to color. The word "Achobi" has no meaning in any language.
For Liquid Spice Preparation Which Is Used as a Food Coloring and as a Food Flavor, Intended for the Use on Meats, Fish, and Vegetables.
Claims use since May 1, 1948.

Ser. No. 607,219. Helen Harrison Candies Company, Chicago, Ill. Filed Dec. 2, 1950.

Regina

For Candies.
Claims use since Nov. 6, 1950.

Ser. No. 608,576. United Biscuit Company of America, doing business under the style name of Keebler-Weyl Baking Co., Chicago, Ill., and Philadelphia, Pa. Filed Jan. 9, 1951.

Ovalitas

For Crackers.
Claims use since Oct. 18, 1950.

Ser. No. 608,657. Philip Henne, doing business as Hilltop Inn, Houlton, Wis. Filed Jan. 11, 1951.

HILLTOP INN'S
FAMOUS

The word "Famous" is disclaimed.
For French Dressing.
Claims use since Oct. 1, 1950.

Ser. No. 610,218. Kuhner Packing Company, Muncie, Ind. Filed Feb. 17, 1951.

SMOKEES

For Cured Smoked Sausage.
Claims use since May 16, 1950.

Ser. No. 612,012. The Garin Company, Salinas, Calif. Filed Mar. 30, 1951.

LAZY G

Applicant claims ownership of Registration No. 529,419.
For Fresh Vegetables and Fresh Melons.
Claims use since July 27, 1948.

Ser. No. 612,308. William E. Cunningham, doing business as Cunningham Coffee Company, Los Angeles, Calif. Filed Apr. 6, 1951.

Hawaiian Paradise

The word "Hawaiian" is disclaimed.
For Coffee.
Claims use since Mar. 14, 1951.

Ser. No. 612,322. Green Bay Food Company, Green Bay, Wis. Filed Apr. 6, 1951.



For Cheese Salad Dressing.
Claims use since Mar. 19, 1951.

Ser. No. 612,784. Biddle Purchasing Company, trading as Meridian Distributors, New York, N. Y. Filed Apr. 18, 1951.

GOOD HOPE

For Oleomargarine.
Claims use since July 14, 1950.

Ser. No. 613,928. Joe Lowe Corporation, New York, N. Y. Filed May 16, 1951.

Fudgy-Wudgy

The word "Fudgy" is disclaimed.
For Frozen Confections-on-Sticks, and Dry Powdered Concentrates for Making the Same.
Claims use since Apr. 10, 1951.

Ser. No. 614,820. Chicago Almond Products Co., Chicago, Ill. Filed June 6, 1951.

COCO-MAC

For Macaroon Paste, Used for Making Macaroons in the Baking Industry.
Claims use since Mar. 16, 1951.

Ser. No. 615,015. Locatelli Inc., New York, N. Y. Filed June 11, 1951.



The representation of the cheese is disclaimed.
For Cheese.
Claims use since 1951.

Ser. No. 617,576. Bowman Feed Products, Inc., Holland, Mich. Filed Aug. 11, 1951.

CLOROFOLEN

For Specially Processed Alfalfa Meal Concentrate Containing Chlorophyll for Incorporation in Dog Food To Deodorize the Breath and Body Odors of the Animal.
Claims use since July 26, 1951.

Ser. No. 619,373. Wyeth Incorporated, Philadelphia, Pa. Filed Sept. 28, 1951.

RESIMIX

Applicant claims ownership of Registration No. 520,383.
For High Protein Food Formula for Infant Feeding.
Claims use since Sept. 18, 1951.

Ser. No. 620,045. Little Ted's Cookies, Chicago, Ill. Filed Oct. 16, 1951.

Little Ted's

For Cookies.
Claims use since Nov. 11, 1949.

Ser. No. 620,393. David C. Brendel, Philadelphia, Pa. Filed Oct. 24, 1951.

Chip-Bees

The word "Chip" is disclaimed.
For Candy Coated Colored Potato Chips.
Claims use since July 4, 1951.

Ser. No. 620,682. Mutual Apple Growers, Inc., Brewster, Wash. Filed Oct. 30, 1951.

MAGI

For Fresh Apples.
Claims use since Oct. 21, 1950.

Ser. No. 621,131. Carnation Company, Los Angeles, Calif. Filed Nov. 13, 1951.

SUCCOR

For Feed for Livestock.
Claims use since Nov. 5, 1951.

Ser. No. 621,290. Squice, Inc., Denver, Colo. Filed Nov. 15, 1951.

SQUICE

For Prepared Cake Icings.
Claims use since Aug. 14, 1951.

Ser. No. 621,344. R. T. Vanderbilt Company, Inc., New York, N. Y. Filed Nov. 16, 1951.

D-6

For Emulsifier for Foods Containing Polyoxyethylene Sorbitan Monostearate.
Claims use since Oct. 9, 1951.

Ser. No. 621,349. Irvin Wimberly, Church Point, La. Filed Nov. 16, 1951.

YAMBULL

For Sweet Potatoes in Their Natural State.
Claims use since Apr. 4, 1951.

Ser. No. 621,477. Morton Delicacies, Inc., Chicago, Ill. Filed Nov. 20, 1951.

SUBTLE

For Garlic Dressing.
Claims use since Oct. 23, 1951.

Ser. No. 621,811. Wm. A. Camp Co., Inc., New York, N. Y. Filed Nov. 29, 1951.

Competition

For Nuts in the Shell.
Claims use since 1930.

Ser. No. 623,289. Staley Milling Company, North Kansas City, Mo. Filed Jan. 7, 1952.

TAFFY

For Livestock Feed Composed of Cereal Grains and Other Suitable Ingredients.
Claims use since Dec. 20, 1951.

Ser. No. 623,315. Progress Food Specialties, Chicago, Ill. Filed Jan. 8, 1952.

Som-Lo-Cal

For Dietetic Foods—Namely, Flavored Table Syrups and Fruit Preserves.
Claims use since Dec. 19, 1951.

Ser. No. 623,529. Allied Mills, Inc., Chicago, Ill. Filed Jan. 14, 1952.

ROCKET

For Poultry Feed.
Claims use since Jan. 2, 1952.

Ser. No. 623,701. American Molasses Company, New York, N. Y. Filed Jan. 17, 1952.

Practo-Ice

The word "Ice" is disclaimed.
For Icing for Rolls, Coffee Cakes, and Donuts.
Claims use since Dec. 21, 1951.

Ser. No. 623,702. American Molasses Company, New York, N. Y. Filed Jan. 17, 1952.

Practo-Ice

The word "Ice" is disclaimed.
For Icing for Layer Cakes, Cup Cakes, and Pound Cakes.
Claims use since Dec. 21, 1951.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 562,524. Blake, Moffitt & Towne, San Francisco, Calif. Filed July 30, 1948.

AEROPAK

The letters "PAK" are disclaimed.
For Pads Made of Excelsior or Similar Packing Material and Having a Covering of Paper or Similar Material and Designed for Use in Packing Objects for Shipment.
Claims use since Apr. 29, 1948.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 572,998. Parfum L'Orle, Inc., New York, N. Y. Filed Jan. 28, 1949.

Pinbuds

For Perfumes and Toilet Waters.
Claims use since Sept. 25, 1948.

Ser. No. 583,032. Helene Curtis Industries, Inc., Chicago, Ill. Filed Aug. 5, 1949.

H.C. LANOLIZER

For Neutralizer for Hair Waving Solutions.
Claims use since July 11, 1949.

Ser. No. 610,255. Cassell Products Inc., New York, N. Y. Filed Feb. 19, 1951. (Sec. 2f as to "Cassell.")

Rampage de CASSELL

For Perfume, Toilet Water, Dusting Powder and Bath Oil.
Claims use since Jan. 1, 1950, on the mark as shown, and since Jan. 1, 1938, as to the word "Cassell."

Ser. No. 610,733. Beauty Counselors, Inc., Grosse Pointe, Mich. Filed Mar. 2, 1951.

Face Dress

The word "Face" is disclaimed.
For Cosmetics—Namely, Powder, Lipstick, Rouges, Eye Shadow, Mascara, Creams, and Lotions.
Claims use since Jan. 15, 1951.

Ser. No. 612,326. Richard Hudnut, New York, N. Y. Filed Apr. 6, 1951.

FACE FORWARD

The word "Face" is disclaimed.
For Foundation Lotion and Lipstick.
Claims use since Oct. 18, 1950.

Ser. No. 612,626. Rapidol Distributing Corporation, New Hyde Park, N. Y. Filed Apr. 13, 1951.

A 4 STAR ★★★★ BEAUTY AID

The words "Beauty Aid" are disclaimed. Applicant claims ownership of Registrations Nos. 273,532 and 336,891.
For Skin Lotion, Vanishing Skin-Lotion, Powder Base for Skin Powders, Hair Coloring, and Dye and Color Remover.
Claims use since May 1, 1935.

Ser. No. 612,728. Christy, Inc., Newark, N. Y. Filed Apr. 17, 1951.

Diana Deering

The name "Diana Deering" is fanciful.
For Cosmetics—Namely, Dry Skin Cream, Foundation Cream, Hand Cream, Conditioning Cream, Lubricating Cream, Oily Skin Cleanser, Dry Skin Cleanser, Skin Cleanser, Personal Deodorant in Cream and Liquid Form, Dusting Powder, Face Powder, Liquid Hand Lotion, Liquid

Beauty Cream, Liquid Foundation Film, Liquid Skin Balm, Nail Polish, Nail Polish Base Coat, Liquid Cuticle Remover, Nail Polish Remover, Perfume, Cream Cologne, Rouge, and Lipstick.
Claims use since July 1943.

Ser. No. 615,794. Royal Imperial Products Corp., New York, N. Y. Filed June 27, 1951.

Alrich

For Hair Restorer.
Claims use since April 1951.

Ser. No. 616,048. Revlon Products Corporation, New York, N. Y. Filed July 3, 1951.

LOVE THAT RED!

The word "Red" is disclaimed apart from the mark as shown.
For Nail Enamel and Lipstick.
Claims use since June 15, 1951.

Ser. No. 616,049. Revlon Products Corporation, New York, N. Y. Filed July 3, 1951.

ORANGE SHERBET

The word "Orange" is disclaimed.
For Nail Enamel and Lipstick.
Claims use since June 15, 1951.

Ser. No. 619,365. John F. Sanford, Great Neck, N. Y. Filed Sept. 28, 1951.

accordion

For Perfume, Cologne, Toilet Water, Face Lotion, Face Powder, Rouge, Lipstick, and Facial Creams.
Claims use since Aug. 29, 1951.

Ser. No. 620,185. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Oct. 19, 1951.

STAY-PRUF

For Lipstick, Rouge and Nailpolish.
Claims use since Sept. 24, 1951.

Ser. No. 620,360. Lydia O'Leary, Inc., New York, N. Y. Filed Oct. 23, 1951. (Sec. 2f.)

COVERMARK

Applicant claims ownership of Registration No. 291,566.
For Cosmetic for Obliterating Birthmarks and Other Skin Blemishes.
Claims use since Sept. 1, 1929.

Ser. No. 620,531. Societe a Responsabilite Limitee Dite: Marquay, Paris, France. Filed Oct. 26, 1951.

ELECTED

Priority under Sec. 44(d). French application filed July 12, 1951, Registration No. 413,472, dated July 12, 1951.
For Perfume.

Ser. No. 620,700. United Enterprises, Inc., Chicago, Ill. Filed Oct. 30, 1951.

Blissful Aura.

For Stick Cologne.
Claims use since Oct. 16, 1951.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 558,744. Sears, Roebuck and Co., Chicago, Ill. Filed June 8, 1948. (Classified in Class 4.)
Applicant claims ownership of Registration No. 305,096.
See this serial number in Class 4 for goods and mark.
Claims use since Dec. 5, 1932.

Ser. No. 591,535. Wyandotte Chemicals Corporation, Wyandotte, Mich. Filed Jan. 26, 1950.

Tri-Bac

For Detergent-Sanitizing Composition Particularly Adapted for Washing Dishes, Dairy Utensils, and Equipment, but Not Limited Thereto.
Claims use since Jan. 10, 1950.

Ser. No. 601,028. E. I. du Pont de Nemours and Company, Wilmington, Del. Filed July 21, 1950.

PONSOLVE

For Industrial Solvent for Use as a Thinner, a Cleaner, or a Remover for Shellac and Spirit Soluble Varnishes.
Claims use since Feb. 8, 1932.

Ser. No. 602,341. Elizabeth D. Siede, doing business under the name Minute-Glo Co., Hartford, Wis. Filed Aug. 17, 1950.

MINUTE-GLO

The word "Glo" is disclaimed.
For Odorless, Colorless Liquid Compounded of Various Chemical Elements Used To Clean Glass, Chrome, Tile, Metal, Plastic, and Enamel Ware.
Claims use since June 26, 1950.

Ser. No. 603,363. General Dyestuff Corporation, New York, N. Y. Filed Sept. 9, 1950.

ALIPAL

For Wetting Agents Having an Incidental Detergent Action.
Claims use since Sept. 2, 1949.

Ser. No. 606,391. The Omar Products Company, Columbus, Ohio. Filed Nov. 14, 1950.

Kiam

For Wall Cleaner.
Claims use since Nov. 2, 1950.

Ser. No. 606,808. Refined Products Corporation, Lyndhurst, N. J. Filed Nov. 22, 1950.

REPSO CD

Applicant claims ownership of Registration No. 425,590.
For Surface-Active Agent Demonstrating Cation-Active Characteristics, Used as an Additive for Acidic Pickling Liquor and in the Manufacture of Cosmetics and as an Additive to Bactericidal Agents To Increase and Extend the Effect Thereof.
Claims use since May 15, 1950.

Ser. No. 609,659. John W. Moore, doing business as Moore Products Mfg. Co., Ames, Iowa. Original filed, act of 1946, Supplemental Register, Feb. 5, 1951; amended to application, Principal Register, Feb. 18, 1952. (Sec. 2f.)

Bugs-off

For Chemical Cleaner for the Removal of Bugs and Insects or Other Organic Matter From the Finish and Windshields of Automobiles, Airplanes, and Other Vehicles.
Claims use since June 1, 1941.

Ser. No. 625,168. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952.

A. Q.

For Liquid Soap.
Claims use since Jan. 1, 1931.

Ser. No. 625,170. West Disinfecting Company, Long Island City, N. Y. Filed Feb. 18, 1952.

DANIOLA

For Liquid Soap.
Claims use since Feb. 1, 1921.

SERVICE MARKS

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 597,333. Wilbert H. Fuller, doing business under the name The Kashfinder System, Wichita, Kans. Filed May 12, 1950.

THE KASHFINDER SYSTEM

The word "System" is disclaimed.
For Services Rendered to Subscribers—Namely, Preparing Copy and Distributing Advertising Material Concerning Real Estate Available for Sale, and Notifying Sellers of Prospective Purchasers Developed as a Result of Such Advertising and by Other Methods, Including the Compilation and Distribution of Information Concerning the Description, Price, Location, and Nature of Such Real Estate or Business.
Claims use since June 14, 1930.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 588,238. Toastmasters International, Santa Ana, Calif. Filed Nov. 23, 1949. COLLECTIVE MARK. (Sec. 2f as to "Toastmasters.")

TOASTMASTERS INTERNATIONAL

The word "International" is disclaimed. Applicant claims ownership of Registration No. 286,813.
For Training in Leadership, in Public Speaking, and in Criticism Thereof.
Claims use since Jan. 24, 1931.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,690. Beer. The Tivoli-Union Company, Denver, Colo.
Filed July 2, 1947, Serial No. 525,711. Published Apr. 17, 1951. Class 48.

ACT OF 1946, PRINCIPAL REGISTER

558,910. Bread. Gordon Baking Co., Detroit, Mich.
Original filed, act of 1905, May 5, 1947; amended to application under act of 1946, Principal Register, Sept. 20, 1947, Serial No. 521,878. Published Mar. 4, 1952. Class 46.

558,911. Shaft Seals for Compressors, Pumps, Fluid Motors, and Other Shafted Equipment. Rotary Seal Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,542. Published Jan. 22, 1952. Class 23.

558,912. Shaft Seals for Compressors, Pumps, Fluid Motors, and Other Shafted Equipment. Rotary Seal Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,577. Published Jan. 22, 1952. Class 23.

558,913. String Musical Instruments—Namely, Guitars, Mandolins, Ukuleles, and Banjos, and Guitars, Mandolins, Ukuleles and Banjos With Electronic Amplifiers Attached Thereto, and for Picks and Guitar Steels. Valco Manufacturing Company, Chicago, Ill.
Filed July 14, 1947, Serial No. 528,591. Published Feb. 26, 1952. Class 36.

558,914. Varnishes, Lacquers, Wood Primers, and Wood Sealers. Breinig Brothers, Inc., Hoboken, N. J.
Filed Aug. 8, 1947, Serial No. 530,803. Published Feb. 19, 1952. Class 16.

558,915. Wheat Flour. The Blair Milling Company, Atchison, Kans.
Filed Oct. 3, 1947, Serial No. 536,577. Published July 26, 1949. Class 46.

558,916. Lacquers, Air Drying and Baking Enamels, and Varnishes. Maas & Waldstein Company, Newark, N. J.
Filed Oct. 15, 1947, Serial No. 537,921. Published Oct. 31, 1950. Class 16.

558,917. Paint Enamels. Chicago Paints, Inc., Chicago, Ill.
Filed Oct. 20, 1947, Serial No. 538,364. Published Jan. 8, 1952. Class 16.

558,918. Sun Tan Cream and Sun Tan Liquid. Peau d'Or Sales Corporation, Miami, Fla.
Filed Oct. 30, 1947, Serial No. 539,558. Published Nov. 7, 1950. Class 51.

558,919. Men's and Women's Suits, Overcoats, and Topcoats Made of Wool. Kansas City Custom Garment Company, Kansas City, Mo.
Filed Nov. 8, 1947, Serial No. 540,542. Published May 22, 1951. Class 39.

558,920. Ready Mixed Paint Enamel. Republic Paint & Varnish Co., Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,883. Published Jan. 1, 1952. Class 16.

558,921. Red Barn Paint. Republic Paint & Varnish Co., Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,892. Published Jan. 1, 1952. Class 16.

558,922. Paint Enamels, Quick Drying Varnish Stains, and Varnish. Republic Paint & Varnish Co., Chicago, Ill.
Filed Nov. 17, 1947, Serial No. 541,454. Published June 19, 1951. Class 16.

558,923. Canned Fruits and Vegetables. Salter Canning Company, North Rose, N. Y.
Filed Dec. 10, 1947, Serial No. 543,996. Published Jan. 2, 1951. Class 46.

558,924. Beer. The Tivoli-Union Company, Denver, Colo.
Filed Jan. 17, 1948, Serial No. 547,375. Published Apr. 17, 1951. Class 48.

558,925. Rubber Fabric or Metal Reinforced or Jacketed Hose. Continental Rubber Works, Erie, Pa.
Filed Jan. 28, 1948, Serial No. 548,146. Published Nov. 29, 1949. Class 35.

558,926. Chemical and Pharmaceutical Apparatus Including Drying Cabinets, Etc. F. J. Stokes Machine Company, Philadelphia, Pa.
Filed Jan. 28, 1948, Serial No. 548,196. Published Jan. 29, 1952. Class 23.

558,927. Organic Condensation Product Having Emulsifying Properties and Soluble in Oils, Petroleum, and Chlorinated Organic Liquid Solvents, and Adapted To Be Added to Organic Liquids To Form Water-in-Oil Emulsions for Industrial and Household Dry Cleaning Purposes. E. F. Drew & Co., Inc., New York, N. Y.
Filed Mar. 2, 1948, Serial No. 550,999. Published Feb. 26, 1952. Class 52.

558,928. Knives and Cutters Used in Power Driven Machines. California Saw Works, San Francisco, Calif.
Filed Apr. 5, 1948, Serial No. 553,813. Published Jan. 22, 1952. Class 23.

558,929. Metallic Structural Elements—Namely, Doors, Door Frames, and Door Hardware, Sold as a Complete Unit. American Art Metals Company, Atlanta, Ga.
Filed May 12, 1948, Serial No. 556,861. Published Feb. 12, 1952. Class 12.

558,930. Paper Towel Dispensing Machines Which Are Sold, Leased, or Loaned for Use While Empty for Filling With Towel Sheets by Users. Towlsaver, Inc., Los Angeles, Calif.
Filed June 10, 1948, Serial No. 558,972. Published Jan. 22, 1952. Class 23.

558,931. Canned Salmon. Oceanic Sales Co., Seattle, Wash.
Filed June 16, 1948, Serial No. 559,319. Published Feb. 26, 1952. Class 46.

558,932. Fur Coats, Jackets, Capes, Stoles, Cape-Stoles, and Scarfs. Jean F. V. Hermet, doing business as Hermè, New York, N. Y.
Filed June 23, 1948, Serial No. 560,020. Published Feb. 19, 1952. Class 39.

558,933. Inorganic Detergent Having Water Softening Properties Especially for Cleaning Dairy Equipment. Diamond Alkali Company, Cleveland, Ohio.
Filed July 22, 1948, Serial No. 561,890. Published Feb. 26, 1952. Class 52.

558,934. CONSOLIDATED CERTIFICATE. Johns-Manville Corporation, New York, N. Y.
Diatomaceous Silica in Powdered, Granulated, and Brick or Block Form and in Its Natural State and in Calcined and Flux Calcined States; and Asbestos Fiber. Filed Apr. 8, 1950, Serial No. 595,465. Published Jan. 15, 1952. Class 1.
Composition Planks for Bridge and Industrial Uses; Etc. Filed Sept. 10, 1948, Serial No. 564,950. Published June 26, 1951. Class 12.
Bituminous Enamels and Paints; Bituminous Waterproofing and Damp Proofing Coatings; Primers for Bituminous Enamels, Paints, and Coatings; and Varnish. Filed Jan. 6, 1950, Serial No. 590,442. Published Sept. 25, 1951. Class 16.
Dielectric Panels for Switch Boards, Electric Controller Face Plates, Etc. Filed Dec. 29, 1949, Serial No. 590,087. Published June 5, 1951. Class 21.
Finely Divided Chemically Inert, Siliceous Materials To Be Used in Aiding Filtration and in Clarification of Liquids Termed "Filter-Aids." Filed Apr. 13, 1950, Serial No. 595,808. Published Feb. 6, 1951. Class 31.
Woven Brake Linings and Clutch Facings; Molded Brake Linings and Clutch Facings: Etc. Filed Sept. 10, 1948, Serial No. 564,951. Published Jan. 3, 1950. Class 35.

558,935. Periodical Published Annually. Fishing Gazette Publishing Corp., New York, N. Y.
Filed Nov. 3, 1948, Serial No. 568,103. Published Feb. 12, 1952. Class 38.

558,936. Wine. Schenley Distillers Corporation, doing business as Gold Kist Wine Company, New York, N. Y.; said Schenley Distillers Corporation now by change of name Schenley Industries, Inc., a corporation of Delaware.
Filed Nov. 3, 1948, Serial No. 568,119. Published Feb. 26, 1952. Class 47.

558,937. Men's and Women's Suits, Topcoats, and Overcoats. Robert Hall Clothes, Inc., Wilmington, Del., and New York, N. Y.
Filed Nov. 23, 1948, Serial No. 569,271. Published Feb. 19, 1952. Class 39.

558,938. New and Re-Sharpened Files. J. R. Wood, doing business under the fictitious firm name of Keystone File Sharpening Co., Los Angeles, Calif.
Filed Nov. 27, 1948, Serial No. 569,547. Published Jan. 22, 1952. Class 23.

558,939. Drawing Inks, Chinese Inks, Writing Inks, and Indian Inks. Gunther Wagner, S. R. L., Buenos Aires, Argentina.
Filed Dec. 3, 1948, Serial No. 569,843. Published Feb. 26, 1952. Class 11.

558,940. Sealing Tapes of Laminated Kraft Paper Generally Provided on One Face With an Adhesive or Gummed Surface. Stocker Manufacturing Company, Netcong, N. J.
Filed Dec. 3, 1948, Serial No. 569,904. Published July 31, 1951. Class 5.

558,941. Neckties. His Majesty, Incorporated, Poughkeepsie, N. Y.
Filed Dec. 9, 1948, Serial No. 570,254. Published Apr. 11, 1950. Class 39.

558,942. Paint Pigments. Edgar Brothers Company, Metuchen, N. J.
Filed Jan. 13, 1949, Serial No. 572,090. Published Feb. 19, 1952. Class 16.

558,943. Household Brooms. National Broom Mfg. Co., Pueblo, Colo.
Filed Jan. 25, 1949, Serial No. 572,756. Published Nov. 29, 1949. Class 29.

558,944. Weed Killing Chemical in Liquid and Powder Form, Sold in Bulk. Chipman Chemical Company, Inc., Bound Brook, N. J.
Filed Feb. 1, 1949, Serial No. 573,116. Published Mar. 27, 1951. Class 6.

558,945. Neckties. Ernest J. Carston, Chicago, Ill.
Filed Feb. 4, 1949, Serial No. 573,304. Published Jan. 22, 1952. Class 39.

558,946. Donkey-Engines for Yarding and Loading Logs and Driven by Internal Combustion Powered Prime Movers. Fred Rowe, doing business as Rowe Machine Works, Seattle, Wash.
Filed Feb. 12, 1949, Serial No. 573,797. Published Jan. 22, 1952. Class 23.

558,947. Unbleached and Bleached Kraft Papers and Paper-Boards. International Paper Company, New York, N. Y.
Filed Mar. 3, 1949, Serial No. 574,836. Published Feb. 5, 1952. Class 37.

558,948. Sewage Disposal Systems and Parts Thereof—Namely, Separators for Grease, Greasy Sludge, By-Products, and Waste Matter; Floor, Gutter, and Tank Drains; Combination Drains and Separators; and Parts Thereof. Gordon Sanitary Systems Corporation, Chicago, Ill.
Filed Mar. 10, 1949, Serial No. 575,210. Published Feb. 5, 1952. Class 13.

558,949. Women's and Girls' Skirts and Slacks. Millicent Sportwear Corp., New York, N. Y.
Filed Mar. 15, 1949, Serial No. 575,478. Published Feb. 19, 1952. Class 39.

558,950. Ladies' Hosiery. Laros Textiles Company, Bethlehem, Pa.
Filed Apr. 30, 1949, Serial No. 578,031. Published Feb. 26, 1952. Class 39.

558,951. Floor and Furniture Polishes and Metal Polishes. John Sexton & Co., Chicago, Ill.
Filed May 12, 1949, Serial No. 578,710. Published Feb. 19, 1952. Class 4.

558,952. Canned Fish. Albert B. Harris, doing business as A. B. Harris Company, New York, N. Y.
Filed May 16, 1949, Serial No. 578,930. Published Feb. 26, 1952. Class 46.

558,953. Durable Plastic Starch Used as a Substitute for Carbohydrate Starch in Ironing. Synco Products Company, Inc., doing business under the name and style of Synco Products, Chattanooga, Tenn.
Filed June 20, 1949, Serial No. 580,799. Published Mar. 4, 1952. Class 6.

558,954. Lime Slaker. Omega Machine Company, Providence, R. I.
Filed June 28, 1949, Serial No. 581,202. Published Jan. 22, 1952. Class 23.

558,955. Window Screens. Rolscreen Company, Pella, Iowa.
Filed July 9, 1949, Serial No. 581,735. Published Feb. 12, 1952. Class 12.

558,956. Seasoning for Making Gravy, Consisting of Beef Extract, Hydrolized Plant Protein, Onions, Carrots, Parsley, Celery, Caramel Color, Spices, Salt, and Water. Louis Milani Foods, Inc., Los Angeles, Calif.
Filed July 12, 1949, Serial No. 581,820. Published Feb. 26, 1952. Class 46.

558,957. Candy. E. J. Brach & Sons, Chicago, Ill.
Filed July 28, 1949, Serial No. 582,595. Published Mar. 4, 1952. Class 46.

558,958. Finely Ground Crude Sulfur Used Only by Manufacturers of Agricultural Dusting Compositions To Manufacture Dusts Containing Such Sulfur Together With Other Added Ingredients. Stauffer Chemical Company, San Francisco, Calif.
Filed July 29, 1949, Serial No. 582,704. Published Mar. 4, 1952. Class 6.

558,959. Leather Belting. Chicago Belting Company, Chicago, Ill.
Filed Aug. 17, 1949, Serial No. 583,588. Published Aug. 21, 1951. Class 35.

558,960. Textile Rugs and Carpets. Empire Carpet Corporation, New York, N. Y.
Filed Sept. 17, 1949, Serial No. 584,980. Published Feb. 26, 1952. Class 42.

558,961. Compositions for Cleaning Carburetors, Fuel Pumps, Small Metal Parts, and the Like and Car Wash for Removing Dirt, Oil, Road Film, Grease and the Like From Surfaces. Commercial Solvents Corporation, New York, N. Y.
Filed Sept. 28, 1949, Serial No. 585,432. Published Feb. 26, 1952. Class 52.

558,962. Spotting Compound for the Removal of Writing Inks, Fruit Stains, and the Like. A. L. Wilson Chemical Co., Kearny, N. J.
Filed Oct. 8, 1949, Serial No. 586,028. Published Feb. 19, 1952. Class 52.

558,963. Rheumatic Balm. Mack & Willies Co., Cleveland, Ohio; by change of name from Mack & Willies Inc.
Filed Oct. 19, 1949, Serial No. 586,538. Published Jan. 15, 1952. Class 18.

558,964. Pillow Slips, Sheets, and Bleached and Unbleached Sheeting. West Point Manufacturing Company, West Point, Ga.
Filed Nov. 14, 1949, Serial No. 587,773. Published Mar. 4, 1952. Class 42.

558,965. Ointment, Etc. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 16, 1949, Serial No. 587,887. Published Feb. 5, 1952. Class 18.

558,966. Synthetic Organic Coloring Material. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,924. Published Mar. 6, 1951. Class 6.

558,967. Soap, a Saponaceous Preparation for Making a Foaming Bath, Shampoo, Sold Separately or in Combinations for Baths. John N. McMath Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y.
Filed Aug. 23, 1949, Serial No. 588,353. Published Feb. 19, 1952. Class 52.

558,968. Kits Containing Toilet Articles for Men, Comprising the Items of Cologne, Etc. John Hudson Moore, Inc., New York, N. Y., now by merger The Lambert Company, a corporation of Delaware.
Filed Nov. 30, 1949, Serial No. 588,586. Published Nov. 7, 1950. Class 51.

558,969. Wines. Schenley Industries, Inc., also doing business as Jo-Ann Vineyards, New York, N. Y., and Fresno, Calif.
Filed Dec. 6, 1949, Serial No. 588,891. Published Feb. 26, 1952. Class 47.

558,970. Textile Piece Goods Made of Cotton, Linen, Silk, and Rayon or Combinations of These Raw Materials; Tablecloths, Doilies, Napkins, Sheets and Pillow Slips, Towels, and Tea Cloths Made of Cotton, Linen, Silk, and Rayon, or Combinations of These Raw Materials. D. Jordaan & Zonen's Textielfabrieken N. V., Haaksbergen, Netherlands.
Filed Dec. 7, 1949, Serial No. 588,959. Published Feb. 26, 1952. Class 42.

558,971. Plastic Tray Suitable for Placement on a Dresser Top Without Affixation Thereto, or for Mounting on the Inside of a Clothes Closet Door by Means of Two Screws, the Function of Said Tray Being To Hold Items Ordinarily Carried in Pockets of Clothing Between Clothing Changes. Alexander Hertz, Forest Hills, N. Y.
Filed Dec. 24, 1949, Serial No. 589,900. Published Feb. 26, 1952. Class 2.

558,972. Rodenticides Used for the Elimination of Rats and Mice. S. B. Penick & Company, New York, N. Y.
Filed Jan. 7, 1950, Serial No. 590,518. Published Mar. 4, 1952. Class 6.

558,973. Window Curtains and Draperies Made of Plastic Film. Cloverly Plastics, Inc., New York, N. Y.
Filed Jan. 24, 1950, Serial No. 591,356. Published Mar. 4, 1952. Class 42.

558,974. Men's and Boys' Negligee, Dress, and Sport Shirts. The Shirtcraft Company, Inc., New York, N. Y.
Filed Feb. 3, 1950, Serial No. 591,962. Published Feb. 19, 1952. Class 39.

558,975. Hair Shampoo. Artistic Beauty Products Company, Los Angeles, Calif.
Filed Feb. 20, 1950, Serial No. 592,746. Published Feb. 26, 1952. Class 52.

558,976. Neck Scarf Primarily, but Not Exclusively, for Use by Men and Boys. Worth, Inc., Seattle, Wash.
Filed Feb. 21, 1950, Serial No. 592,855. Published Jan. 22, 1952. Class 39.

558,977. Shampoo Preparation for the Care of Hair and Scalp. Joseph Pecora, Buffalo, N. Y.
Filed Feb. 24, 1950, Serial No. 593,014. Published Feb. 19, 1952. Class 52.

558,978. Cleaner Fluid for Floors, Painted Walls, Tiles, and Marble Surfaces. Feller-Jones Corporation, New York, N. Y.
Filed Feb. 25, 1950, Serial No. 593,065. Published Feb. 26, 1952. Class 52.

558,979. Musical, Various Sound-Emitting, and Percussion Instruments, Etc. C. G. Conn, Ltd., Elkhart, Ind.
Filed Mar. 7, 1950, Serial No. 593,531. Published Feb. 26, 1952. Class 36.

558,980. Men's and Boys' Outer Dress, Sport, and Work Shirts, Collars, Pajamas, and Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Mar. 7, 1950, Serial No. 593,552. Published Feb. 19, 1952. Class 39.

558,981. Necklaces Embodying Artificial Pearls. Fanmour Corporation, New York, N. Y.
Filed Mar. 11, 1950, Serial No. 593,792. Published Jan. 15, 1952. Class 28.

558,982. Valances, Drapes, Lambrequins, Bed Spreads, and Curtains. Decorators Work Shop, Incorporated, Bridgeport, Conn.
Filed Mar. 14, 1950, Serial No. 593,910. Published Mar. 4, 1952. Class 42.

558,983. Cleaners, Cleaning Compounds and Preparations—Namely, Liquid Cleaner Preparations for Application To Soiled Surfaces To Be Rinsed From Such Surfaces With Water To Clean Such Soiled Surfaces: Etc. Dearborn Chemical Company, Chicago, Ill.
Filed Mar. 17, 1950, Serial No. 594,105. Published Feb. 19, 1952. Class 52.

558,984. Pretzels and Popcorn, Both Buttered, Ready to Eat and Cheese Coated. Buckeye Foods, Inc., Columbus, Ohio.
Filed Mar. 20, 1950, Serial No. 594,246. Published Mar. 4, 1952. Class 46.

558,985. Men's and Boys' Hats and Caps, Dress Shirts, Outer and Under Shirts, Underwear, Sweaters, Jackets and Trousers, Neckties, Bow Ties. Adam Hat Stores, Inc., New York, N. Y.
Filed Mar. 31, 1950, Serial No. 594,940. Published Jan. 22, 1952. Class 39.

558,986. Children's Cowboy Shirts. Robert E. Smith, New York, N. Y., assignor to Kagran Corporation, New York, N. Y., a corporation of New York.
Filed Mar. 31, 1950, Serial No. 595,004. Published Feb. 26, 1952. Class 39.

558,987. Liquid Preparation for Use in Duplicating Processes of the Type Wherein Copy Sheets Are Moistened With Said Liquid Preparation and Brought Into Contact With Data Appearing on Master Sheets. Ditto, Incorporated, Chicago, Ill.
Filed Apr. 5, 1950, Serial No. 595,251. Published Feb. 19, 1952. Class 11.

558,988. Articles of Clothing for Men, Women and Children, Etc. Bourne & Hollingsworth Limited, London, England.
Filed Apr. 13, 1950, Serial No. 595,652. Published Nov. 20, 1951. Class 39.

558,989. Cooked Ham. Hunter Packing Company, East St. Louis, Ill.
Filed Apr. 13, 1950, Serial No. 595,666. Published Feb. 13, 1951. Class 46.

558,990. Coconut Syrup Usable as a Table Syrup and as an Ingredient of Other Food Products. W. G. Peacock Company, Evanston, Ill.
Filed Apr. 21, 1950, Serial No. 596,115. Published Feb. 26, 1952. Class 46.

558,991. Medical Preparation—Namely, a Topical Application for Inflamed Mucous Tissue. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed May 1, 1950, Serial No. 596,685. Published Mar. 20, 1951. Class 18.

558,992. Grass Hooks, Pocket Knives, Nail Hammers, Dirt Shovels, Lawn Mowers, and Edged Tools—Namely, Hatchets, Chisels, Planes, Axes, Adzes, Mattocks, Scythes, and Picks. C. M. McClung & Co., Inc., Knoxville, Tenn.
Filed May 2, 1950, Serial No. 596,742. Published Jan. 22, 1952. Class 23.

558,993. Infants' Diapers. Couri-Amoury Inc., New York, N. Y.
Filed May 9, 1950, Serial No. 597,129. Published Feb. 26, 1952. Class 39.

558,994. Soap; Soap in Chips and Bars; Powdered Soap for Laundry and Textile Purposes; Etc. H. Kohnstamm & Co., Inc., New York, N. Y.
Filed May 16, 1950, Serial No. 597,531. Published Feb. 26, 1952. Class 52.

558,995. Motor Analyzing Apparatus and Parts Thereof, for Testing, Analyzing, and Synchronizing Internal Combustion Engines, Ignition Systems, Motors and Generators. Allen Electric and Equipment Company, Kalamazoo, Mich.
Filed May 17, 1950, Serial No. 597,569. Published Feb. 19, 1952. Class 26.

558,996. Medicinal Salves, Ointments, Rectal Suppositories, Corn and Callous Unguentums, Laxative Pills, Nasal and Throat Sprays. Stanley M. Sargeant, Highland Mills, N. Y., assignor to Sargeant Acnoid Pharmaceutical Co., Inc., Highland Mills, N. Y., a corporation of New York.
Filed May 19, 1950, Serial No. 597,786. Published Jan. 15, 1952. Class 18.

558,997. Men's Trousers. Hoosier Factories, Inc., Michigan City, Ind.
Filed May 23, 1950, Serial No. 597,956. Published Jan. 22, 1952. Class 39.

558,998. Men's Dress and Sport Shirts Made of Cotton, Rayon, Nylon, Silk, or Wool. Sutton Shirt Corp., New York, N. Y.
Filed May 26, 1950, Serial No. 598,224. Published Feb. 5, 1952. Class 39.

558,999. Grooved Phonograph Records. The Parlophone Company Limited, Hayes, England.
Filed June 6, 1950, Serial No. 598,675. Published Feb. 26, 1952. Class 36.

559,000. Canned Citrus Fruit Juices. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed June 13, 1950, Serial No. 599,023. Published Mar. 4, 1952. Class 46.

559,001. Bituminous Compound Paint Coatings for the Preservation and Protection of Metal, Galvanized Metal, Cork, Concrete, Wood, Glass, Plastic, and Rubber Surfaces. John D. Farber, doing business under the name of Briggs Bituminous Composition Co., Philadelphia, Pa.
Filed June 21, 1950, Serial No. 599,506. Published Feb. 12, 1952. Class 16.

559,002. Varnishes. Acritex, Inc., New York, N. Y.
Filed June 22, 1950, Serial No. 599,545. Published Jan. 1, 1952. Class 16.

559,003. Artichoke Bottoms, Bar le Duc, Capers, Creme de Marrons, Gooseliver, Marrons, Mushrooms, Mustard, Olives, Pate de Foie Gras, Puree de Foie Gras, Snails, and Truffles, All of Which Are Contained in Cans or Jars. Cresca Company, Inc., New York, N. Y.
Filed June 22, 1950, Serial No. 599,554. Published Feb. 26, 1952. Class 46.

559,004. Ready-Mixed Paints for Wood and Metal Surfaces; Paint Enamels; Undercoaters and Primers in the Nature of Paints. The Sherwin-Williams Company, Cleveland, Ohio.
Filed June 22, 1950, Serial No. 599,596. Published Dec. 25, 1951. Class 16.

559,005. Chocolated Sulfathiazole in Tablet Form. Aims Chocolated Pharmaceuticals, Inc., Brooklyn, N. Y.
Filed June 24, 1950, Serial No. 599,684. Published Jan. 1, 1952. Class 18.

559,006. Cabinet Automatic Clothes Dryers. Hamilton Manufacturing Company, Two Rivers, Wis.
Filed June 24, 1950, Serial No. 599,706. Published Mar. 4, 1952. Class 24.

559,007. Neckties. J. S. Blank & Co. Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,253. Published Jan. 22, 1952. Class 39.

559,008. Laundry and Dry-Cleaning Press Covers, Laundry and Dry-Cleaning Press Pads. R. Lally Co., Evanston, Ill.
Filed July 12, 1950, Serial No. 600,541. Published Feb. 19, 1952. Class 24.

559,009. Liquid Weed Killer. The C. B. Dolge Company, Westport, Conn.
Filed July 20, 1950, Serial No. 600,949. Published May 8, 1951. Class 6.

559,010. Clocks. Etablissements Ed. Jaeger, Levallois-Perret, Seine, France.
Filed July 21, 1950, Serial No. 601,032. Published Jan. 15, 1952. Class 27.

559,011. Mixed Feed Pellets Composed Primarily of Grains for Poultry and Livestock. Ada Milling Company, Ada, Okla.
Filed July 24, 1950, Serial No. 601,128. Published Feb. 12, 1952. Class 46.

559,012. Radio Receivers Excepting Automobile Radio Receivers. Avco Manufacturing Corporation, Cincinnati, Ohio.
Filed July 25, 1950, Serial No. 601,187. Published Apr. 17, 1951. Class 21.

559,013. Candies. Waller & Hartley Limited, Blackpool, England.
Filed July 27, 1950, Serial No. 601,345. Published Mar. 4, 1952. Class 46.

559,014. Canned Fruits, Canned Apple Sauce, Canned Vegetables, Canned Sauerkraut, Canned Beans With Pork, Canned Mushrooms, Catsup, Canned Citrus Fruit Juices and Canned Pineapple Juice, Canned Tomato Juice, Canned Oysters, Fruit Preserves, Olives, Pickles, Sandwich Spread, Salad Dressing, Table Syrup, and Molasses. Kitchen Products, Inc., Buffalo, N. Y., and Chicago, Ill.
Filed Aug. 8, 1950, Serial No. 601,924. Published Aug. 14, 1951. Class 46.

559,015. Medical Preparation—Namely, a Specialized Dressing Ointment Used in the Treatment of Furunculosis. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Aug. 10, 1950, Serial No. 602,053. Published Jan. 1, 1952. Class 18.

559,016. Substance Having the Chemical Formula, 2,2'-Dihydroxy-3,5,6-3', Etc. Sindar Corporation, New York, N. Y.
Filed Aug. 10, 1950, Serial No. 602,070. Published June 5, 1951. Class 6.

559,017. Neckties and Caps for Men and Boys. M & W Thomas Co., New York, N. Y.
Filed Aug. 14, 1950, Serial No. 602,173. Published Feb. 19, 1952. Class 39.

559,018. Coal. Raymond Hartman, doing business as Hartman Coal Company, Kingwood, W. Va.
Filed Aug. 16, 1950, Serial No. 602,260. Published Jan. 15, 1952. Class 1.

559,019. Tobacco Humidors Composed of Thermoplastic and/or Thermosetting Resins. Columbus Plastic Products, Inc., Columbus, Ohio.
Filed Aug. 23, 1950, Serial No. 602,601. Published Mar. 4, 1952. Class 8.

559,020. Roof Paint of Polystyrene Resins and Powdered Copper and Aluminum. Colis R. Grems, doing business under the assumed business name of Grems Mfg. Co., Klamath Falls, Oreg.
Filed Aug. 25, 1950, Serial No. 602,760. Published Oct. 9, 1951. Class 16.

559,021. Men's Dress and Sport Shirts Made of Cotton, Rayon, Nylon, Silk, or Wool. Sutton Shirt Corp., New York, N. Y.
Filed Aug. 28, 1950, Serial No. 602,865. Published Feb. 19, 1952. Class 39.

559,022. Tablets Used for Sore Throats and Post-Tonsillectomies. Nyrope, Inc., New York, N. Y.
Filed Sept. 2, 1950, Serial No. 603,124. Published Jan. 8, 1952. Class 18.

559,023. Wall Board Having a Decorated Surface. The Di-Noc Company, Cleveland, Ohio.
Filed Sept. 7, 1950, Serial No. 603,224. Published Feb. 12, 1952. Class 12.

559,024. Leather and Saddle Soaps. Wm. Wren Limited, Watford, England.
Filed Sept. 7, 1950, Serial No. 603,271. Published Feb. 19, 1952. Class 52.

559,025. Padded Plastic Containers Filled With Glass Fluff Into Which a Nursing Bottle Is Inserted and/or Retained. Nursery Items, Inc., New York, N. Y.
Filed Sept. 7, 1950, Serial No. 603,275. Published Feb. 26, 1952. Class 2.

559,026. Treated Corn for Use in Flour, Feed, Grits, Hominy, Corn Cones, Brewer's Grits, and Meal. Archem Corporation, Crete, Nebr.
Filed Sept. 15, 1950, Serial No. 603,567. Published Mar. 4, 1952. Class 46.

559,027. Drawing Instruments—Namely, Compasses. V. & E. Manufacturing Co., Pasadena, Calif.
Filed Sept. 18, 1950, Serial No. 603,706. Published Mar. 4, 1952. Class 26.

559,028. Drawing Instruments—Namely, Compasses. V. & E. Manufacturing Co., Pasadena, Calif.
Filed Sept. 18, 1950, Serial No. 603,707. Published Mar. 4, 1952. Class 26.

559,029. Sheet Glass. Pittsburgh Plate Glass Company, Pittsburgh, Pa.
Filed Sept. 21, 1950, Serial No. 603,856. Published Jan. 15, 1952. Class 33.

559,030. Ties. Paul Karp, doing business under the name of Ty-Craft, Ltd., Los Angeles, Calif.
Filed Sept. 22, 1950, Serial No. 603,885. Published Jan. 22, 1952. Class 39.

559,031. Knitted and Woven Woolen Fabrics. N. V. Nederlandsche Wolspinnerij, Leiden, Netherlands.
Filed Sept. 14, 1950, Serial No. 603,976. Published Mar. 4, 1952. Class 42.

559,032. Men's Clothing—Namely, Trousers, and Slacks. Ralph Winett & Co., Inc., Chicago, Ill.
Filed Sept. 27, 1950, Serial No. 604,114. Published Jan. 22, 1952. Class 39.

559,033. Plastic Self-Polishing Liquid Shoe Dressing. McKeown Bros. Co., Chicago, Ill.
Filed Sept. 29, 1950, Serial No. 604,210. Published Nov. 13, 1951. Class 4.

559,034. Tracer Controlled Duplicating Machines. Niles-Bement-Pond Company, West Hartford, Conn.
Filed Oct. 7, 1950, Serial No. 604,591. Published Jan. 22, 1952. Class 23.

559,035. Woven Fabrics, Including Flocked Ones, of Cotton, Silk, and Synthetic Fibers, and for Plastic Film for Making Into Raincoats, Curtains, Garment Bags, and the Like. Velveray Corporation, New York, N. Y.
Filed Oct. 9, 1950, Serial No. 604,673. Published Mar. 4, 1952. Class 42.

559,036. Canned, Bottled and Packaged Food Products, Etc. The Quaker Maid Company, Inc., New York, N. Y.
Filed Oct. 11, 1950, Serial No. 604,744. Published Mar. 4, 1952. Class 46.

559,037. Pharmaceutical Product Used as a Vaso-Dilator. Rougier Freres, Compagnie Incorporee, Montreal, Quebec, Canada.
Filed Oct. 11, 1950, Serial No. 604,746. Published Jan. 8, 1952. Class 18.

559,038. Liquefied Hydrocarbon Gas for Use in Heating and Cooking. Suburban Gas Service, Inc., Harrisburg, Pa.
Filed Oct. 11, 1950, Serial No. 604,750. Published Mar. 4, 1952. Class 6.

559,039. Sandwiches. Merle L. Alexander, Albuquerque, N. Mex.
Filed Oct. 16, 1950, Serial No. 604,946. Published Mar. 4, 1952. Class 46.

559,040. Pyrophoric Lighters for Cigars, Cigarettes, and Pipes. The Imco Manufacturing Corporation, New York, N. Y.
Filed Oct. 16, 1950, Serial No. 604,970. Published Mar. 4, 1952. Class 8.

559,041. Concrete and Masonry Iron Waterproofing Compound, Plastic Lead Sealing Compound, Wood Putty, Spot Putty, and Pipe Joint Compound. Herman J. Reich, doing business as Magic Iron Cement Company, Cleveland, Ohio.
Filed Oct. 17, 1950, Serial No. 605,055. Published Feb. 12, 1952. Class 12.

559,042. Liquid Preparation for Application to Artificial and Natural Fish Bait To Add Lure Thereto. Carl W. Handel, Newark, Ohio.
Filed Oct. 20, 1950, Serial No. 605,281. Published Feb. 26, 1952. Class 6.

559,043. Vegetable Oil Used for Textile Dyeing and Finishing. Arkansas Company, Inc., Newark, N. J.
Filed Oct. 27, 1950, Serial No. 605,458. Published Mar. 4, 1952. Class 6.

559,044. Canned Oysters and Canned Shell Fish. Mavar Shrimp & Oyster Co., Ltd., Biloxi, Miss.
Filed Nov. 7, 1950, Serial No. 606,024. Published Feb. 19, 1952. Class 46.

559,045. Canned Oysters and Canned and Frozen Shell Fish. Mavar Shrimp & Oyster Co., Ltd., Biloxi, Miss.
Filed Nov. 7, 1950, Serial No. 606,025. Published Feb. 19, 1952. Class 46.

559,046. Glass Jars for Mixing Beverages. The Silex Company, Hartford, Conn.
Filed Nov. 10, 1950, Serial No. 606,241. Published Jan. 15, 1952. Class 33.

559,047. Fluid-Dispensing Pumps of the Self-Measuring Type. Gilbert & Barker Manufacturing Company, West Springfield, Mass.
Filed Nov. 22, 1950, Serial No. 606,770. Published Feb. 26, 1952. Class 26.

559,048. Medicinal Preparation Containing Methyl-4-Esculoside Having Vitamin P Activity. Les Laboratoires Gobey, Paris, France.
Filed Nov. 22, 1950, Serial No. 606,784. Published Jan. 15, 1952. Class 18.

559,049. Microcrystalline Wax. Bareco Oil Company, Tulsa, Okla.
Filed Nov. 29, 1950, Serial No. 607,066. Published Mar. 4, 1952. Class 6.

559,050. Microcrystalline Wax. Bareco Oil Company, Tulsa, Okla.
Filed Nov. 29, 1950, Serial No. 607,067. Published Mar. 4, 1952. Class 6.

559,051. Microcrystalline Wax. Bareco Oil Company, Tulsa, Okla.
Filed Nov. 29, 1950, Serial No. 607,068. Published Mar. 4, 1952. Class 6.

559,052. Microcrystalline Wax. Bareco Oil Company, Tulsa, Okla.
Filed Nov. 29, 1950, Serial No. 607,069. Published Mar. 4, 1952. Class 6.

559,053. Microcrystalline Wax. Bareco Oil Company, Tulsa, Okla.
Filed Nov. 29, 1950, Serial No. 607,070. Published Mar. 4, 1952. Class 6.

559,054. Watches—Namely, Wrist or Strap Watches. Bulova Watch Company, Inc., New York, N. Y.
Filed Dec. 9, 1950, Serial No. 607,483. Published Jan. 15, 1952. Class 27.

559,055. Canned Fruits, Canned Vegetables, Canned Vegetable Juices, and Tomato Catsup. Gerber Products Company, Oakland, Calif.
Filed Dec. 9, 1950, Serial No. 607,496. Published Feb. 26, 1952. Class 46.

559,056. Transparencies for Use in Single or Three Dimension Projectors or Viewers. George J. Farnham, doing business as Farnham's Flower Transparencies, Seattle, Wash.
Filed Dec. 11, 1950, Serial No. 607,542. Published Feb. 12, 1952. Class 26.

559,057. Packaging Machines. The Pad-Y-Wax Company, Inc., New York, N. Y.
Filed Dec. 13, 1950, Serial No. 607,637. Published Jan. 22, 1952. Class 23.

559,058. Game of Cards. Predicto, Inc., Washington, D. C.
Filed Dec. 19, 1950, Serial No. 607,886. Published Feb. 26, 1952. Class 22.

559,059. Sterling and Plated Silver Hollowware. Frank M. Whiting & Company, Meriden, Conn.
Filed Dec. 19, 1950, Serial No. 607,888. Published Jan. 15, 1952. Class 28.

559,060. Thread. J. & P. Coats (R. I.) Inc., Pawtucket, R. I.
Filed Dec. 21, 1950, Serial No. 607,956. Published Feb. 26, 1952. Class 43.

559,061. Dresser and Bureau Scarves, Printed, Embroidered and Flocked Scarfing, Bridge, Vanity, Chair Back and Sheet Sets, Plain and Embroidered Pillow Cases, Printed and Fancy Table Covers, and Printed and Embroidered Kitchen and Guest Towels. Crescent Art Linen Co., New York, N. Y.
Filed Jan. 3, 1951, Serial No. 608,302. Published Mar. 4, 1952. Class 42.

559,062. Velvet and Pile Fabrics in the Piece, Made of Silk, Wool, Cotton, and Synthetic Fibres. Martin Fabrics Corporation, New York, N. Y.
Filed Jan. 4, 1951, Serial No. 608,365. Published Feb. 26, 1952. Class 42.

559,063. Carpenters' Planes. Sargent & Company, New Haven, Conn.
Filed Jan. 9, 1951, Serial No. 608,569. Published Jan. 22, 1952. Class 23.

559,064. Cleaner, Cleanser and Detergent. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Jan. 12, 1951, Serial No. 608,716. Published Feb. 19, 1952. Class 52.

559,065. Shoe Grease and Shoe Dressing. Bone Dry Shoe Mfg. Co., Tacoma, Wash.
Filed Jan. 18, 1951, Serial No. 608,914. Published Mar. 4, 1952. Class 6.

559,066. Watches, Clocks, and Parts Thereof. Oscar Bettschen, New York, N. Y.
Filed Jan. 19, 1951, Serial No. 608,980. Published Jan. 15, 1952. Class 27.

559,067. Masonry Material Formed by Processing Natural Stone Aggregates, or Other Aggregates, and Forming Same Into Various Shapes and Sizes, Mortar Imbedding Mix. Burney & Felder, San Antonio, Tex.
Filed Jan. 22, 1951, Serial No. 609,070. Published Feb. 5, 1952. Class 12.

559,068. Masonry Material Formed by Processing Natural Stone Aggregates, or Other Aggregates, and Forming Same Into Various Shapes and Sizes, Mortar Imbedding Mix. Burney & Felder, San Antonio, Tex.
Filed Jan. 22, 1951, Serial No. 609,071. Published Feb. 5, 1952. Class 12.

559,069. Canned Tomato Juice, Canned Tomato Puree, Canned Vegetables, and Canned Pork and Beans. Eaton Canning Company, Eaton, Ind.
Filed Feb. 5, 1951, Serial No. 609,635. Published Feb. 26, 1952. Class 46.

559,070. Insect Killer, Moth Proofing Preparation, Air Refresher. Bostwick Laboratories, Inc., Bridgeport, Conn.
Filed Feb. 8, 1951, Serial No. 609,777. Published Mar. 4, 1952. Class 6.

559,071. Exposed Motion Picture Films Ready To Be Projected. Wasser, Kay & Phillips, Inc., Pittsburgh, Pa.
Filed Feb. 8, 1951, Serial No. 609,826. Published Jan. 8, 1952. Class 26.

559,072. Hosiery, Stockings, Socks, Slips, Underwear, for Men, Women, Boys, and Girls. Francis Gibian, Inc., New York, N. Y.
Filed Feb. 13, 1951, Serial No. 610,015. Published Feb. 26, 1952. Class 39.

559,073. Automotive Engine Parts—Namely, Automobile Pistons, Piston Pins, Pin Bushings, Valves, Valve Guides, Valve Springs, Valve Stem Keys, Water Pumps. Markt & Hammacher Company, New York, N. Y.
Filed Feb. 14, 1951, Serial No. 610,084. Published Jan. 22, 1952. Class 23.

559,074. Materials Used in Lithographic Printing—Namely, Opaquing Solutions, Ink Repellent, Etch Solutions, Preservatives and Conditioners for Masters, and Conditioners for Lithographic Blankets. A. B. Dick Company, Niles, Ill.
Filed Feb. 23, 1951, Serial No. 610,421. Published Mar. 4, 1952. Class 6.

559,075. Materials Used in Lithographic Printing—Namely, Opaquing Solutions, Ink Repellent, Etch Solutions, Preservatives and Conditioners for Masters, and Conditioners for Lithographic Blankets. A. B. Dick Company, Niles, Ill.
Filed Feb. 23, 1951, Serial No. 610,426. Published Mar. 4, 1952. Class 6.

559,076. Men's Topcoats and Overcoats. Barron, Anderson Company, Boston, Mass.
Filed Mar. 1, 1951, Serial No. 610,667. Published Feb. 5, 1952. Class 39.

559,077. Bracelets, Clasps, and Buckles in the Nature of Jewelry, Not Including Watches. Kestenman Bros. Mfg. Co., Providence, R. I.
Filed Mar. 1, 1951, Serial No. 610,692. Published Jan. 15, 1952. Class 28.

559,078. Playing Cards. Salvador Treviño Narro, Monterrey, Nuevo Leon, Mexico.
Filed Mar. 6, 1951, Serial No. 610,919. Published Feb. 26, 1952. Class 22.

559,079. Watches. Movado Watch Agency, Inc., New York, N. Y.
Filed Mar. 8, 1951, Serial No. 611,039. Published Jan. 15, 1952. Class 27.

559,080. Men's and Boys' Neckties, Women's and Girls' Scarves, Men's and Boys' Belts, Men's and Boys' Socks, Men's and Boys' Suspenders. Murray Hill Restaurant, Inc., New York, N. Y.
Filed Mar. 12, 1951, Serial No. 611,188. Published Feb. 5, 1952. Class 39.

559,081. Watches and Parts Thereof. Zoekrya Moradpour, doing business as Fordin Watch Company, New York, N. Y.
Filed Mar. 13, 1951, Serial No. 611,236. Published Jan. 15, 1952. Class 27.

559,082. Chemical Additives Used in the Electrodeposition of Metals. Smoothex, Inc., Cleveland, Ohio.
Filed Mar. 15, 1951, Serial No. 611,378. Published Feb. 26, 1952. Class 6.

559,083. Mechanical Agitators. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed Mar. 16, 1951, Serial No. 611,392. Published Jan. 22, 1952. Class 23.

559,084. Bottler's Alkali, a Composition of Caustic Soda and Trisodium Phosphate. Mathieson Chemical Corporation, Baltimore, Md.
Filed Mar. 21, 1951, Serial No. 611,612. Published Mar. 4, 1952. Class 6.

559,085. Radiator Stop Leak, Block Sealing Compound, Chemical Compound for Repairing Boiler Leaks, and Brake Fluid. Radiator Specialty Company, Charlotte, N. C.
Filed Mar. 29, 1951, Serial No. 611,975. Published Feb. 26, 1952. Class 6.

559,086. Chemicals and Chemical Compositions for Use in the Analysis of Water. Clifford Hach, doing business as Hach Chemical Company, Ames, Iowa.
Filed Apr. 3, 1951, Serial No. 612,158. Published Mar. 4, 1952. Class 6.

559,087. Chemicals and Chemical Compositions for Use in the Analysis of Water. Clifford Hach, doing business as Hach Chemical Company, Ames, Iowa.
Filed Apr. 3, 1951, Serial No. 612,159. Published Mar. 4, 1952. Class 6.

559,088. Chemicals and Chemical Compositions for Use in the Analysis of Water. Clifford Hach, doing business as Hach Chemical Company, Ames, Iowa.
Filed Apr. 3, 1951, Serial No. 612,161. Published Mar. 4, 1952. Class 6.

559,089. Chemicals and Chemical Compositions for Use in the Analysis of Water. Clifford Hach, doing business as Hach Chemical Company, Ames, Iowa.
Filed Apr. 3, 1951, Serial No. 612,162. Published Mar. 4, 1952. Class 6.

559,090. Chemicals and Chemical Compositions for Use in the Analysis of Water. Clifford Hach, doing business as Hach Chemical Company, Ames, Iowa.
Filed Apr. 3, 1951, Serial No. 612,163. Published Mar. 4, 1952. Class 6.

559,091. Analgesic Preparation for the Relief of Pain. The Superior Pharmacal Co., Dayton, Ohio.
Filed Apr. 6, 1951, Serial No. 612,362. Published Jan. 1, 1952. Class 18.

559,092. Antibiotic for the Treatment of Infectious Diseases. The Upjohn Company, Kalamazoo, Mich.
Filed Apr. 6, 1951, Serial No. 612,364. Published Jan. 1, 1952. Class 18.

559,093. Television Picture Tubes. Hytron Radio & Electronics Corp., Salem, Mass.
Filed Apr. 10, 1951, Serial No. 612,454. Published Feb. 19, 1952. Class 21.

559,094. Pharmaceutical Preparations, Primarily Intended for Internal Use To Facilitate the Taking of X-Ray Pictures of Internal Organs. Astra Pharmaceutical Products, Inc., Worcester, Mass.
Filed Apr. 11, 1951, Serial No. 612,481. Published Jan. 1, 1952. Class 18.

559,095. Cigarette Lighters. Astra Trading Corporation, New York, N. Y.
Filed Apr. 13, 1951, Serial No. 612,579. Published Mar. 4, 1952. Class 8.

559,096. Watches and Parts Thereof. Superior Watch Corporation, New York, N. Y.
Filed Apr. 13, 1951, Serial No. 612,631. Published Jan. 15, 1952. Class 27.

559,097. Trace Mineral Mixture, a Supplement for Use in Livestock and Poultry Feeds. Whitmoyer Laboratories, Inc., Myerstown, Pa.
Filed Apr. 14, 1951, Serial No. 612,671. Published Jan. 15, 1952. Class 18.

559,098. Washable Arabian Mocha Suede Leather. Milton Berger Leather Corp., Gloversville, N. Y.
Filed Apr. 16, 1951, Serial No. 612,676. Published Jan. 15, 1952. Class 1.

559,099. Foot Powder for Use for the Treatment of Sore, Perspiring Feet, for Corns, Callouses, Process Accumulations, Bunions, and Athlete's Foot. Wayne J. Saari, doing business as Charm Pederma Co., Chicago, Ill.
Filed Apr. 16, 1951, Serial No. 612,705. Published Jan. 8, 1952. Class 18.

559,100. Penicillin Salt Preparations—Namely, Procaine Salts of Penicillin. Heyden Chemical Corporation, New York, N. Y.
Filed Apr. 17, 1951, Serial No. 612,742. Published Jan. 8, 1952. Class 18.

559,101. Electric Windshield Heaters, Electric Fans, and Rheostats. Casco Products Corporation, Bridgeport, Conn.
Filed Apr. 19, 1951, Serial No. 612,848. Published Feb. 19, 1952. Class 21.

559,102. Woolen Piece Goods. William Hollins & Company Limited, Nottingham, England.
Filed Apr. 20, 1951, Serial No. 612,912. Published Feb. 26, 1952. Class 42.

559,103. Ultra-Violet Ray Germicidal Lamp. The Brunswicke-Balke-Collender Company, Chicago, Ill.
Filed Apr. 25, 1951, Serial No. 613,114. Published Feb. 5, 1952. Class 21.

559,104. Television, Broadcasting and Receiving Antennas and Parts Therefor. Finney Corporation, Cleveland, Ohio, assignor to The Finney Company, Cleveland, Ohio, a partnership.
Filed Apr. 25, 1951, Serial No. 613,125. Published Feb. 5, 1952. Class 21.

559,105. Silverplated Flatware. National Silver Company, New York, N. Y.
Filed Apr. 25, 1951, Serial No. 613,140. Published Jan. 15, 1952. Class 28.

559,106. Silverplated Flatware. National Silver Company, New York, N. Y.
Filed Apr. 25, 1951, Serial No. 613,141. Published Jan. 15, 1952. Class 28.

559,107. Brazing Shims Intended for Joining the Tips of Cutting Tools to Their Shanks. Eutectic Welding Alloys Corporation, New York and Flushing, N. Y.
Filed May 4, 1951, Serial No. 613,505. Published Feb. 26, 1952. Class 35.

559,108. Cigarettes. J. Wix and Sons Limited, London, England.
Filed May 4, 1951, Serial No. 613,548. Published Feb. 26, 1952. Class 17.

559,109. Carbon Black Used in the Plastic and Other Industries. Godfrey L. Cabot, Inc., Boston, Mass.
Filed May 4, 1951, Serial No. 613,623. Published Feb. 26, 1952. Class 6.

559,110. Men's Suits, Top Coats, Leather and Cotton Jackets, Coats, Sweaters, Lounging and Bath Robes, and Trousers. The Belk Brothers Company, Charlotte, N. C.
Filed Apr. 9, 1951, Serial No. 613,952. Published Feb. 5, 1952. Class 39.

559,111. Cameras. Ercona Camera Corporation, New York, N. Y.
Filed May 17, 1951, Serial No. 613,978. Published Feb. 12, 1952. Class 26.

559,112. Wines and Vermouth. Lucien Ardin, Inc., New York, N. Y.
Filed May 21, 1951, Serial No. 614,120. Published Feb. 26, 1952. Class 47.

559,113. Vitamin Compositions. Armour and Company, Chicago, Ill.
Filed May 21, 1951, Serial No. 614,125. Published Jan. 15, 1952. Class 18.

559,114. Analgesic. Schering Corporation, Bloomfield, N. J.
Filed May 21, 1951, Serial No. 614,166. Published Jan. 15, 1952. Class 18.

559,115. Men's and Boys' Suits, Trousers, Coats, Top Coats, and Overcoats. Stein's Stores Inc., New York, N. Y.
Filed May 28, 1951, Serial No. 614,469. Published Feb. 19, 1952. Class 39.

559,116. Carbon Papers and Inked Ribbons. Waters Manufacturing Company, Culver City, Calif.
Filed May 29, 1951, Serial No. 614,529. Published Feb. 12, 1952. Class 11.

559,117. Chemical Compounds, Mixtures, or Solutions in the Nature of Surface Active Agents Which, by Reducing Surface Tension, Promote Wetting, Rewetting, Penetration, Dispersion, Emulsification, Foaming, or Detergency. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed May 31, 1951, Serial No. 614,544. Published Mar. 4, 1952. Class 6.

559,118. Partially and Completely Hydrolyzed Polyvinyl Acetate for General Use in the Industrial Arts. Shawinigan Products Corporation, New York, N. Y.
Filed May 31, 1951, Serial No. 614,581. Published Feb. 26, 1952. Class 6.

559,119. Grain Fumigant. Diamond Alkali Company, Cleveland, Ohio.
Filed June 5, 1951, Serial No. 614,759. Published Mar. 4, 1952. Class 6.

559,120. Printing Inks. Interchemical Corporation, New York, N. Y.
Filed June 5, 1951, Serial No. 614,778. Published Feb. 12, 1952. Class 11.

559,121. Printing Inks. Fred'k H. Levey Company, Inc., New York, N. Y.
Filed June 7, 1951, Serial No. 614,881. Published Feb. 12, 1952. Class 11.

559,122. Men's and Boys' Bow Ties. Cluett, Peabody & Co., Inc., Troy, N. Y.
Filed June 12, 1951, Serial No. 615,050. Published Feb. 19, 1952. Class 39.

559,123. Turbans for Women. June Campbell Cross, New York, N. Y.
Filed June 12, 1951, Serial No. 615,053. Published Feb. 19, 1952. Class 39.

559,124. Electrical Insulation—Namely, Electrical Insulation Basically Comprising Mica and Resin Which Is Applied to Electrical Conductors. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa.
Filed June 14, 1951, Serial No. 615,199. Published Feb. 5, 1952. Class 21.

559,125. Composition for Treating Fabric Materials, Such as Wearing Apparel Which Has Been Used, To Restore Essential Oils to the Fibers Thereof. Rasmus A. Hansen, doing business as Retex Company, Livermore, Calif.
Filed June 15, 1951, Serial No. 615,222. Published Mar. 4, 1952. Class 6.

559,126. Men's Clothing—Namely, Suits, Trousers, Coats, Vests, Topcoats, and Overcoats. Sewell Manufacturing Company, Bremen, Ga.
Filed June 15, 1951, Serial No. 615,249. Published Feb. 19, 1952. Class 39.

559,127. Antioxidant. American Cyanamid Company, New York, N. Y.
Filed June 19, 1951, Serial No. 615,363. Published Mar. 4, 1952. Class 6.

559,128. Tankage and Fertilizer. E. Rauh & Sons Fertilizer Co., Indianapolis, Ind.
Filed June 19, 1951, Serial No. 615,411. Published Feb. 12, 1952. Class 10.

559,129. Visible and Audible Electric Signals for Highways, Vehicles, Traffic, and in Plants and Establishments for Calling, Alarm, and Information Purposes. Sperti Faraday Inc., Adrian, Mich.
Filed May 11, 1951, Serial No. 615,517. Published Feb. 19, 1952. Class 21.

559,130. Chemical Addition Agent for Use in Electroplating Solutions. Hanson-Van Winkle-Munning Company, Matawan, N. J.
Filed June 22, 1951, Serial No. 615,552. Published Mar. 4, 1952. Class 6.

559,131. Stabilized Azoic Color Bases. Sterling Drug Inc., New York, N. Y.
Filed June 27, 1951, Serial No. 615,801. Published Feb. 26, 1952. Class 6.

559,132. Chemicals for Use in Planographic Printing. Addressograph-Multigraph Corporation, Cleveland, Ohio.
Filed June 28, 1951, Serial No. 615,808. Published Feb. 26, 1952. Class 6.

559,133. Racks Adapted To Be Mounted on a Surface for Holding and Dispensing Rolled Sheet Material, Such as Paper Toweling, Waxed Paper, Metal Foil, Etc. Washington Steel Products, Inc., Tacoma, Wash.
Filed June 30, 1951, Serial No. 615,960. Published Feb. 19, 1952. Class 13.

559,134. Eyeglasses for Night Driving of Automobiles, for Shading the Eyes From Glare of the Sun, and for Viewing Television Programs. Colorversion Co., Chicago, Ill.
Filed July 2, 1951, Serial No. 615,971. Published Feb. 5, 1952. Class 26.

559,135. Cameras. Encore Inc., Los Angeles and Hollywood, Calif.
Filed July 2, 1951, Serial No. 615,976. Published Feb. 5, 1952. Class 26.

559,136. Chemical Preparations Used as Photographic Developers. General Aniline & Film Corporation, New York, N. Y.
Filed July 10, 1951, Serial No. 616,287. Published Mar. 4, 1952. Class 6.

559,137. Infants' and Children's Sun Suits. The William Carter Company, Needham Heights, Mass.
Filed July 13, 1951, Serial No. 616,411. Published Feb 26, 1952. Class 39.

559,138. Metallic Bird and Rodent Barrier Material, Etc. Nixalite Company of America, Davenport, Iowa.
Filed July 13, 1951, Serial No. 616,442. Published Feb. 19, 1952. Class 13.

559,139. Spectacle Frames. Victory Optical Manufacturing Company, Newark, N. J.
Filed July 25, 1951, Serial No. 616,929. Published Feb. 26, 1952. Class 26.

559,140. Fabrics of Silk, Wool, Cotton, Man-Made Fibers, and Combinations Thereof. William Skinner & Sons, Holyoke, Mass., and New York, N. Y.
Filed Aug. 3, 1951, Serial No. 617,319. Published Mar. 4, 1952. Class 42.

559,141. Clips for Wire Rope and Cables. The Thomas Laughlin Company, Augusta and Portland, Maine.
Filed Aug. 7, 1951, Serial No. 617,406. Published Feb. 26, 1952. Class 13.

559,142. Electric Phonographs With Automatic Record Changers and Control Means Whereby Operation Is Automatically Stopped Upon Playing of the Last Record. V-M Corporation, Benton Harbor, Mich.
Filed Aug. 7, 1951, Serial No. 617,423. Published Feb. 5, 1952. Class 21.

559,143. Construction Toys Used in Building Animal Figures. Pilot Plastics, Inc., Paterson, N. J.
Filed Aug. 8, 1951, Serial No. 617,458. Published Feb. 26, 1952. Class 22.

559,144. Piston Rings. Hastings Manufacturing Company, Hastings, Mich.
Filed Aug. 9, 1951, Serial No. 617,496. Published Feb. 26, 1952. Class 35.

559,145. Fresh Apples. Gilbert Orchards, Inc., Yakima, Wash.
Filed Aug. 17, 1951, Serial No. 617,792. Published Feb. 12, 1952. Class 46.

559,146. Fresh Cucumber Chips. Rudolph John Stenzel, doing business as R. Stenzel Food Products and R. Stenzel Pickle Products, San Leandro, Calif.
Filed Sept. 4, 1951, Serial No. 618,374. Published Feb. 26, 1952. Class 46.

559,147. Pancake Flour, Breakfast Cereal, Corn Meal, Rye Graham Flour, Rye Flour, Wheat Graham Flour and Whole Wheat Flour. Doud Milling Company, Denison, Iowa.
Filed Sept. 8, 1951, Serial No. 618,538. Published Feb. 26, 1952. Class 46.

559,148. Conditioning Tumbler for Laundry Work Prior to Its Delivery to Ironing Apparatus, the Work Being Conditioned in Said Tumbler by Being Continuously Tumbled and Shaken. The American Laundry Machinery Company, Cincinnati and Norwood Station, Cincinnati, Ohio.
Filed Sept. 11, 1951, Serial No. 618,613. Published Feb. 19, 1952. Class 24.

559,149. Sheets and Pillowcases. W. A. Ballinger & Co., San Francisco, Calif.
Filed Sept. 17, 1951, Serial No. 618,876. Published Feb. 26, 1952. Class 42.

559,150. Woolen Piece Goods. Forstmann Woolen Co., Passaic, N. J.
Filed Oct. 5, 1951, Serial No. 619,615. Published Mar. 4, 1952. Class 42.

559,151. Fluids for Parenteral Use Comprising Water for Injection; Dextrose in Water; Etc. Baxter Laboratories, Inc., Morton Grove, Ill.
Filed Oct. 29, 1951, Serial No. 620,382. CONCURRENT USE. Published Feb. 26, 1952. Class 18.

559,152. Domestic Washing Machines. Thor Corporation, Chicago, Ill.
Filed Oct. 25, 1951, Serial No. 620,476. Published Feb. 19, 1952. Class 24.

559,153. Toy, Particularly a Toy Airplane. Skycraft Manufacturing Corporation, Long Beach, Calif.
Filed Nov. 5, 1951, Serial No. 620,901. Published Feb. 19, 1952. Class 22.

Service Marks

559,154. General Fire, Marine, Casualty, and Life Insurance Brokerage Services. John T. Trefry and Company, Boston, Mass.
Filed Sept. 22, 1949, Serial No. 585,198. Published Feb. 26, 1952. Class 102.

559,155. Making Magnetic Particle Inspections of Submitted Ferro Magnetic Articles in Order To Determine the Presence or Absence of Flaws, Defects, or Other Surface Discontinuities. Magnaflux Corporation, Chicago, Ill.
Filed Apr. 19, 1951, Serial No. 612,868. Published Feb. 26, 1952. Class 103.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

559,156. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Denison Engineering Company, Columbus, Ohio. Original filed, act of 1946, Principal Register, Sept. 6, 1947; amended to application, Supplemental Register, May 3, 1951, Serial No. 533,667.

MULTIPRESS
MIDGET

For Hydraulic Presses and Parts Therefor.
Claims use since June 11, 1947.

559,157. (Class 37. Paper and Stationery.) Empire Paper Company, Chicago, Ill. Original filed, act of 1946, Principal Register, June 29, 1948; amended to application, Supplemental Register, Aug. 14, 1950, Serial No. 564,848.

LEGAL
BOND

Applicant claims ownership of Registration No. 187,640.
For Writing Paper.
Claims use since January 1915.

559,158. (Class 37. Paper and Stationery.) Fox River Paper Corporation, Appleton, Wis. Original filed, act of 1946, Principal Register, Oct. 2, 1948; amended to application, Supplemental Register, Apr. 25, 1950, Serial No. 566,333.

SATIN TONE

Applicant claims ownership of Registration No. 387,596.
For Writing Paper.
Claims use since June 21, 1948.

559,159. (Class 49. Distilled Alcoholic Liquors.) Margery Dorothy Stevenson, Gilles Alben Calazel, and Robert Bruce, trustees of the estate of the late James Stevenson carrying on the business of the deceased under the name of Rutherford & Company, Edinburgh, Scotland. Original filed, act of 1946, Principal Register, Oct. 29, 1948; amended to application, Supplemental Register, Feb. 5, 1952, Serial No. 567,881.

ESTABLISHED 1834

RUTHERFORDS

For Scotch Whiskey.
Claims use since July 28, 1909 in Great Britain, and since June 4, 1948 in commerce between Great Britain and the United States.

559,160. (Class 46. Foods and Ingredients of Foods.) G. L. Mezzetta & Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, Nov. 27, 1948; amended to application, Supplemental Register, Mar. 18, 1952, Serial No. 569,530.

Snak-Pak

For Green Olives, Stuffed Olives, Pickled Onions, and Green Peppers in Pure Wine Vinegar.
Claims use since July 14, 1948.

559,161. (Class 46. Foods and Ingredients of Foods.) Glade Candy Co., Salt Lake City, Utah. Original filed, act of 1946, Principal Register, Jan. 7, 1949; amended to application, Supplemental Register, July 23, 1951, Serial No. 571,801.

Mellowblend

For Candy.
Claims use since Sept. 21, 1948.

559,162. (Class 18. Medicines and Pharmaceutical Preparations.) Sutliff & Case Co., Inc., Peoria, Ill. Original filed, act of 1946, Principal Register, May 12, 1949; amended to application, Supplemental Register, Apr. 4, 1951, Serial No. 578,729.

DI-FACTOR

For Medicinal Tablet Useful for Prevention of Iron, Calcium and Phosphorus Deficiencies.
Claims use since July 25, 1946.

559,163. (Class 37. Paper and Stationery.) Tobey Fine Papers, Inc., St. Louis, Mo. Original filed, act of 1946, Principal Register, June 9, 1949; amended to application, Supplemental Register, Aug. 25, 1950, Serial No. 580,216.

SAFE-RITE

For Safety Paper, Bond Paper, and Ledger Paper.
Claims use since May 9, 1949.

559,164. (Class 52. Detergents and Soaps.) Time Chemical, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 1, 1949; amended to application, Supplemental Register, Aug. 1, 1951, Serial No. 582,804.

TIME-SAVER

For General Household Cleanser.
Claims use since July 26, 1949.

559,165. (Class 12. Construction Materials.) Wisconsin Flush Door Manufacturing Company, Detroit, Mich. Original filed, act of 1946, Principal Register, Aug. 20, 1949; amended to application, Supplemental Register, Sept. 4, 1951, Serial No. 583,784.

Misconsin Knight

For Doors.
Claims use since July 1, 1949.

559,166. (Class 46. Foods and Ingredients of Foods.) Labmasters Incorporated, Lincoln, Nebr. Original filed, act of 1946, Principal Register, Sept. 19, 1949; amended to application, Supplemental Register, Feb. 23, 1952, Serial No. 585,027.

TAKE THEM
With a
GRAIN of SALT

For Vitamized Salt.
Claims use since Apr. 15, 1949.

559,167. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Walker's Heating Supply Co., Inc., South Meadville and Meadville, Pa. Original filed, act of 1946, Principal Register, Nov. 9, 1949; amended to application, Supplemental Register, Nov. 8, 1951, Serial No. 587,571.

HY-FIRE

For Heating Equipment Comprising Furnaces, Suspended Unit Heaters, Gas and Oil Conversion Burners, and Air Blowers.
Claims use since Sept. 1, 1949.

559,168. (Class 8. Smokers' Articles, Not Including Tobacco Products.) Marcel Quercia, Paris, France. Original filed, act of 1946, Principal Register, Oct. 11, 1949; amended to application, Supplemental Register, Feb. 23, 1952, Serial No. 587,602.

QUERCIA

Applicant claims ownership of French Registration No. 387,170, dated July 2, 1948.
For Cigarette and Cigar Lighters.

559,169. (Class 49. Distilled Alcoholic Liquors.) Standard Food Products Corp., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Feb. 11, 1950; amended to application, Supplemental Register, Nov. 28, 1950, Serial No. 592,347.



Applicant claims as its trade-mark the configuration of the bottle shown.
For Brandy.
Claims use since Nov. 9, 1949.

559,170. (Class 50. Merchandise Not Otherwise Classified.) Walter P. Taylor, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 21, 1950; amended to application, Supplemental Register, Jan. 5, 1952, Serial No. 592,850.

INNERPRINT

For Non-Electrical Signs and Signs Made of Plastic or Other Composition.
Claims use since June 1, 1949.

559,171. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) General Strapping Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 21, 1950; amended to application, Supplemental Register, Oct. 19, 1951, Serial No. 594,318.

AUTO-BAND

For Machines Used for Applying Metal Flat Band Strapping to Boxes, Bales, Packages, and the Like.
Claims use since Mar. 9, 1950.

559,172. (Class 31. Filters and Refrigerators.) Cold Cartridge Corp., Fairmount, Ind. Original filed, act of 1946, Principal Register, Apr. 1, 1950; amended to application, Supplemental Register, Apr. 27, 1951, Serial No. 595,061.

ZERO
CARTRIDGE

For Small Containers Filled With a Chemical Fluid, Which When Refrigerated Retain the Cold for Packing Purposes.
Claims use since Feb. 15, 1950.

559,173. (Class 37. Paper and Stationery.) David Kahn, Inc., North Bergen, N. J. Original filed, act of 1946, Principal Register, Aug. 2, 1950; amended to application, Supplemental Register, Mar. 6, 1952, Serial No. 601,628.

HARDALOY

For Pen Points.
Claims use since July 19, 1950.

559,174. (Class 37. Paper and Stationery.) The Winterbottom Book Cloth Company Limited, Manchester, England. Original filed, act of 1946, Principal Register, Aug. 22, 1950; amended to application, Supplemental Register, Sept. 20, 1951, Serial No. 602,588.

"DOWSE" BRAND

Applicant claims ownership of British Registration No. 503,677, dated June 15, 1929, and United States Registration No. 277,620.
For Tracing Cloth.

559,175. (Class 45. Soft Drinks and Carbonated Waters.) Ernest Lowell, Leavenworth, Wash. Original filed, act of 1946, Principal Register, Aug. 28, 1950; amended to application, Supplemental Register, Feb. 1, 1952, Serial No. 602,848.

LOWELL'S BEST

For Pasteurized Non-Carbonated Maltless Soft Drinks.
Claims use since May 25, 1950.

559,176. (Class 45. Soft Drinks and Carbonated Waters.) The Cloverdale Spring Company, also known as Cloverdale Spring Company, Baltimore, Md. Original filed, act of 1946, Principal Register, Sept. 15, 1950; amended to application, Supplemental Register, Feb. 11, 1952, Serial No. 603,574.

LIVELY
LIMES

For Maltless Soft Drinks and Carbonated Waters, and Flavoring Materials Used in Making the Same.
Claims use since July 11, 1950.

559,177. (Class 37. Paper and Stationery.) General Aniline & Film Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 27, 1950; amended to application, Supplemental Register, Sept. 13, 1951, Serial No. 604,093.

Snapfolio

For Photographic Albums.
Claims use since Mar. 30, 1950.

559,178. (Class 31. Filters and Refrigerators.) The Marley Company, Inc., Kansas City, Kans. Original filed, act of 1946, Principal Register, Oct. 9, 1950; amended to application, Supplemental Register, Nov. 16, 1951, Serial No. 604,646.

TWIN-FLOW

For Liquid Cooling Towers and Parts Thereof.
Claims use since Sept. 20, 1950.

559,179. (Class 46. Foods and Ingredients of Foods.) Dortch Baking Company, Atlanta, Ga. Filed Oct. 25, 1950, Serial No. 605,411.

Dortch's

For Bakery Products — Namely, Cakes, Cookies, Crackers.
Claims use since Jan. 1, 1928.

559,180. (Class 16. Protective and Decorative Coatings.) Kreuter Paint Co., Grand Rapids, Mich. Original filed, act of 1946, Principal Register, Oct. 25, 1950; amended to application, Supplemental Register, Oct. 12, 1951, Serial No. 605,428.

Kreuter Paints

The word "Paints" is disclaimed.
For Ready Mixed Inside and Outside House Paints and Paint Undercoaters and Sealers.
Claims use since October 1946.

559,181. (Class 39. Clothing.) Calef Bros. Co., New Bedford, Mass. Original filed, act of 1946, Principal Register, Dec. 8, 1950; amended to application, Supplemental Register, Oct. 4, 1951, Serial No. 607,415.

LADY Bedford

For Ladies' House Dresses.
Claims use since Sept. 20, 1950.

559,182. (Class 46. Foods and Ingredients of Foods.) Food Technology, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 9, 1950; amended to application, Supplemental Register, Mar. 5, 1952, Serial No. 607,493.

BRED-ADE

For Composition for Improving the Water Absorptive and Retention Properties of Bread Including Flour, Protein Conditioning Salts and Acidity Adjusting Salts.
Claims use since Apr. 6, 1950.

559,183. (Class 45. Soft Drinks and Carbonated Waters.) Jake Virgil Dodenhoff, Greenville, S. C. Original filed, act of 1946, Principal Register, Jan. 17, 1951; amended to application, Supplemental Register, Oct. 30, 1951, Serial No. 608,860.

Real ★ Lola ★

For Carbonated Non-Alcoholic Maltless Soft Drink and Syrup for Making the Same.
Claims use since Apr. 15, 1946.

559,184. (Class 47. Wines.) Sovereign Importers Ltd., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 1, 1951; amended to application, Supplemental Register, Mar. 5, 1952, Serial No. 609,499.

REYERS

For Champagne.
Claims use since July 8, 1948.

559,185. (Class 49. Distilled Alcoholic Liquors.) H & H Distributing Company, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Feb. 15, 1951; amended to application, Supplemental Register, Jan. 26, 1952, Serial No. 610,127.



For Whiskey.
Claims use since Dec. 20, 1950.

559,186. (Class 48. Malt Beverages and Liquors.) Atlantic Brewing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 13, 1951; amended to application, Supplemental Register, Jan. 21, 1952, Serial No. 612,580.

Durst

For Beer.
Claims use since June 30, 1950.

559,187. (Class 39. Clothing.) Melody Bra & Girdle Co. Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 27, 1951; amended to application, Supplemental Register, Feb. 20, 1952, Serial No. 613,229.

SLIMOLD

For Brassières and Girdles.
Claims use since January 1951.

559,188. (Class 46. Foods and Ingredients of Foods.) Western Packing Company, Guadalupe, Calif. Original filed, act of 1946, Principal Register, June 30, 1951; amended to application, Supplemental Register, Mar. 3, 1952, Serial No. 615,964.



For Fresh Vegetables.
Claims use since Feb. 6, 1951.

559,189. (Class 1. Raw or Partly Prepared Materials.) Springfield Seed Company, Springfield, Mo. Filed Aug. 1, 1951, Serial No. 617,217.



Applicant claims ownership of Registration No. 554,541.
For Field Seeds, Grass Seed, Vegetable Seed, Flower Seed, Bulbs, Plants and Nursery Stock.
Claims use since Oct. 1, 1923.

559,190. (Class 38. Prints and Publications.) Frances O. W. McPherson, Chicago, Ill. Filed Mar. 13, 1952, Serial No. 625,842.

Your handbag
directory

For Directories to Sales, Services and Entertainment, Published From Time to Time and for Various Localities.
Claims use since Dec. 20, 1947.

TRADE-MARK REGISTRATIONS RENEWED

38,114. REPRESENTATION OF SUN WITH HUMAN FEATURES, ETC. Registered Apr. 15, 1902. Merwanjee Poonjiajee & Sons, Bombay, India, a firm of India. Re-renewed Apr. 15, 1952. Chutney. Class 46.

38,631. GALENA. Registered July 15, 1902. Galena-Signal Oil Company, Franklin, Pa. Re-renewed July 15, 1952, to Freedom-Valvoline Oil Company, Freedom, Pa., a corporation of New Jersey. Lubricating-Oils. Class 15.

85,086. EXCELO. Registered Jan. 30, 1912. Frederick H. Daland, New York, N. Y. Re-renewed Jan. 30, 1952, to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio. Toilet, Scouring, and Cleansing Soap. Class 52.

85,113. "J. D. DOLE" AND DESIGN. Registered Jan. 30, 1912. Hawaiian Pineapple Co., Ltd., Honolulu, Territory of Hawaii. Re-renewed Jan. 30, 1952, to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation organized under the laws of the Territory of Hawaii. Canned Pineapple. Class 46.

85,539. ZEISS. Registered Feb. 20, 1912. Carl Zeiss, Jena, Germany. Vested in the Attorney General of the United States, Washington, D. C. and re-renewed to him Feb. 20, 1952. Lenses, Prisms, Reflectors, Microscopes, Projecting Apparatus, Kinematographs, Etc. Class 26.

85,541. "PRI-MUS" ETC. AND DRAWING. Registered Feb. 27, 1912. Aktiebolaget B. A. Hjorth & Co., Stockholm, Sweden, a company organized under the laws of Sweden. Re-renewed Feb. 27, 1952. Petroleum Cooking Stoves, Soldering Lamps and Parts Thereof and Accessories. Class 34.

85,748. CATERPILLAR. Registered Mar. 12, 1912. The Holt Manufacturing Company, Stockton, Calif. Re-renewed Mar. 12, 1952, to Caterpillar Tractor Co., Peoria, Ill., a corporation of California. Lubricating-Oils. Class 15.

85,770. ROYAL. Registered Mar. 12, 1912. The Royal Specialty Company. Re-renewed Mar. 12, 1952, to Royal Vacuum Cleaner Company, Cleveland, Ohio, a corporation of Ohio. Electric Hair-Driers and Electric Vibrators. Class 44.

85,912. "MAGNOLIA" AND DRAWING. Registered Mar. 26, 1912. Magnolia Petroleum Company, Galveston and Dallas, Tex. Re-renewed Mar. 26, 1952, to Magnolia Petroleum Company, Dallas, Tex., a corporation of Texas. Gasolene. Class 15.

86,013. CLOISTER. Registered Apr. 2, 1912. Western Brick Company. Re-renewed Apr. 2, 1952, to Western Brick Company, Danville, Ill., a corporation of Illinois. Bricks. Class 12.

86,323. O. K. Registered Apr. 30, 1912. The O. K. Manufacturing Company, Syracuse, N. Y. Re-renewed Apr. 30, 1952, to Scovill Manufacturing Company, Waterbury, Conn., a corporation specially chartered by the General Assembly of the State of Connecticut. Paper-Fasteners, Rubber Ink and Pencil Erasers, Ink-Wells, and Moisteners. Class 37.

86,342. "FELLOWSHIP" AND DRAWING. Registered Apr. 30, 1912. South Lake Apopka Citrus Growers Association, Oakland, Fla., a corporation of Florida. Re-renewed Apr. 30, 1952. Oranges, Lemons, Grape-Fruit, Tangerines, and Limes. Class 46.

86,468. "PEACOCK" AND DESIGN. Registered May 7, 1912. Lee B. Skinner. Re-renewed May 7, 1952, to F. L. Skinner, Dunedin, Fla. Oranges, Lemons, Grape-Fruit, Etc. Class 46.

86,587. ALERT. Registered May 21, 1912. Hardinge Brothers, Chicago, Ill. Re-renewed May 21, 1952, to Detex Watchclock Corporation, New York, N. Y., a corporation of Delaware. Watchmen's Clocks. Class 27.

86,618. NO 6. Registered May 21, 1912. Wm. C. Robinson & Son, Co., Baltimore, Md., and Coraopolis, Pa. Re-renewed May 21, 1952, to Wm. C. Robinson & Son Co., Baltimore, Md., a corporation of Maryland. Cylinder-Oil. Class 15.

86,762. EMPRESS. Registered May 28, 1912. Stone Ordean Wells Company, Duluth, Minn. Re-renewed May 28, 1952, to Pacific Gamble Robinson Co., Seattle, Wash., a corporation of Delaware. Coffee. Class 46.

86,851. REPRESENTATION OF MAN'S HEAD WITH CAP. Registered June 4, 1912. The White & Bagley Company, Worcester, Mass., a corporation of Massachusetts. Re-renewed June 4, 1952. Motor Oils and Lubricants. Class 15.

87,015. PERISTALTIN. Registered June 18, 1912. Society of Chemical Industry in Basle, Basel, Switzerland. Re-renewed June 18, 1952, to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation of New Jersey. Pharmaceutical Product Obtained From the Bark of Cascara Sagrada (Rhamnus Purshiana) and Particularly Applicable as a Purgative. Class 18.

87,110. SIGNAGRAPH. Registered June 25, 1912. The Signature Company, New York, N. Y., a corporation of New York. Re-renewed June 25, 1952. Machines for Writing a Plurality of Signatures or Inscriptions. Class 23.

87,163. O=CEDAR. Registered July 2, 1912. Channell Chemical Company. Re-renewed July 2, 1952, to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois. Mops. Class 29.

87,260. "DAISY S & CO." AND PORTRAIT. Registered July 2, 1912. Schacht & Co., Goshen, Ind. Re-renewed July 2, 1952, to Schacht Rubber Mfg. Co., Huntington, Ind., a corporation of Indiana. Sink, Bath, and Basin Stoppers, Sink, Bath, and Basin Plugs, Bumpers, Force-Cups, and Hand-Cups. Class 13.

87,308. VELVET. Registered July 9, 1912. American Lead Pencil Company, New York, N. Y. Re-renewed July 9, 1952, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York. Pencils. Class 37.

87,554. "GOTHAM" ETC. AND DESIGN. Registered July 23, 1912. Naumkeag Steam Cotton Company, Salem, Mass., a corporation of Massachusetts. Re-renewed July 23, 1952. Sheets and Pillow-Cases. Class 42.

277,801. "JU-C-ADE" AND HEAVY UNDERLINE. Registered Nov. 25, 1930. Citrus Juice & Flavor Company, Los Angeles, Calif. Renewed Nov. 25, 1950, to Citrus Juice & Flavor Co., Ltd., Orange and Santa Ana, Calif., a corporation of Nevada. Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same. Class 45.

280,204. TENN-CREO. Registered Feb. 10, 1931. Tennessee Products Corporation. Renewed Feb. 10, 1951, to Tennessee Products & Chemical Corporation, Nashville, Tenn., a corporation of Tennessee. Chemical Preparations—Namely, Wood Preservers, Disinfectants, and Germicides. Class 18.

281,728. TENSULATE. Registered Mar. 24, 1931. Tennessee Products Corporation. Renewed Mar. 24, 1951, to Tennessee Products & Chemical Corporation, Nashville, Tenn., a corporation of Tennessee. Insulating Material Used To Resist Cold or Heat and for Vermin-Proof and Fireproof Constructions. Class 12.

282,437. "TPC" AND DESIGN. Registered Apr. 21, 1931. Tennessee Products Corporation. Renewed Apr. 21, 1951, to Tennessee Products & Chemical Corporation, Nashville, Tenn., a corporation of Tennessee. Chemical Products and Technical Preparations—Namely, Wood Preservers, Etc. Class 18.

289,749. REPRESENTATION OF EAR OF CORN. Registered Dec. 1, 1931. Corn Exchange National Bank and Trust Company. Renewed Dec. 1, 1951, to Girard Trust Corn Exchange Bank, Philadelphia, Pa., a bank and trust company incorporated under the laws of Pennsylvania. Blank Checks. Class 37.

289,927. ZOO. Registered Dec. 15, 1931. McLaren-Consolidated Cone Corporation, Dayton, Ohio. Renewed Dec. 15, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Bakery Products—Namely, Ice Cream Cones. Class 46.

291,052. "GILLETTE" ETC. AND REPRESENTATION OF WRAPPER LINED FOR BLUE. Registered Jan. 26, 1932. Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Renewed Jan. 26, 1952. Safety Razor Blades. Class 23.

291,067. VISION. Registered Jan. 26, 1932. Knit Products Corporation, Belmont, N. C., a corporation of North Carolina. Renewed Jan. 26, 1952. Hosiery. Class 39.

291,082. "FLEET-WELD." Registered Jan. 26, 1932. The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio. Renewed Jan. 26, 1952. Metallic Welding Electrodes. Class 14.

291,156. HERMATITE. Registered Feb. 2, 1932. Swift and Company. Renewed Feb. 2, 1952, to Swift & Company, Chicago, Ill., a corporation of Illinois. Glue. Class 5.

291,259. PAVECURE. Registered Feb. 2, 1932. American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Renewed Feb. 2, 1952, to American Bitumuls & Asphalt Company, San Francisco, Calif., a corporation of Delaware. Asphalt, Asphaltic Emulsions and Compounds, Pavement Materials, and Asphalt Binders. Class 12.

291,265. BRONZOGRIT. Registered Feb. 2, 1932. Wooster Products, Inc., Wooster, Ohio, a corporation of Ohio. Renewed Feb. 2, 1952. Floor Plates and Door Thresholds. Class 12.

291,286. PARAFLOW. Registered Feb. 9, 1932. Standard Oil Development Company, Linden, N. J., a corporation of Delaware. Renewed Feb. 9, 1952. Lubricating Oils. Class 15.

291,664. SUPERITE. Registered Feb. 23, 1932. Griswoldville Manufacturing Company, New York, N. Y. Renewed Feb. 23, 1952, to The Kendall Company, Walpole, Mass., a corporation of Massachusetts. Certain Textile Fabrics—Viz., Starched Tobacco Cloth. Class 42.

291,683. MONTICELLO. Registered Feb. 23, 1932. Irving M. Oberfelder, trustee for The Monticello Distilling Co., Baltimore, Md. Renewed Feb. 23, 1952, to Joseph S. Finch and Company, New York, N. Y., a corporation of Pennsylvania. Whisky. Class 49.

291,686. AMERICAN BEAUTY. Registered Feb. 23, 1932. The United States Playing Card Company, East Norwood, Cincinnati, Ohio, a corporation of Ohio. Renewed Feb. 23, 1952. Playing Cards. Class 22.

291,744. METRO. Registered Feb. 23, 1932. Bolta Rubber Comb Sales Corporation, New York, N. Y., a corporation of New York. Renewed Feb. 23, 1952. Combs Not Made of Precious Metal. Class 40.

291,753. "BUSTER BRAND" AND DRAWING. Registered Feb. 23, 1932. Patent Cereals Company, Geneva, N. Y., a corporation of New York. Renewed Feb. 23, 1952. Dry Paste, Dry Paste Flour, Adhesive Paste, and Adhesive Wall Size. Class 5.

291,782. CORDEREINE. Registered Feb. 23, 1932. Rossie Velvet Company, Mystic, Conn. Renewed Feb. 23, 1952, to A. Wimpfheimer & Bro., Inc., Stonington, Conn., a corporation of New York. Pile Fabrics. Class 42.

291,844. CRASHMOOR. Registered Feb. 23, 1932. Charles Baker & Company, Inc. Renewed Feb. 23, 1952, to Baker Clothes, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Men's Suits. Class 39.

291,888. "FASHION TOWERS" AND DRAWING. Registered Feb. 23, 1932. Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Renewed Feb. 23, 1952. Men's Neckties. Class 39.

292,083. REX. Registered Mar. 1, 1932. Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Mar. 1, 1952. Belt and Chain Take-Ups and Tighteners, Apron and Pan Conveyers and Parts Thereof, Etc. Class 23.

292,093. SILVERSTRIPE. Registered Mar. 1, 1932. Selberling Latex Products Company, Barberton, Ohio, a corporation of Ohio. Renewed Mar. 1, 1952. Rubber Drug Sundries—Namely, Hot Water Bottles. Class 44.

292,246. BUTTA-BABIES. Registered Mar. 8, 1932. The Squirrel Brand Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Mar. 8, 1952. Chewing Candy. Class 46.

292,319. ULTRA-PENN. Registered Mar. 15, 1932. Ultra-Penn Refining Company, Butler, Pa. Renewed Mar. 15, 1952, to Ultra-Penn Refining Company, Bruin, Pa., a corporation of Pennsylvania. Lubricating Oil, Lubricating Grease, Gasoline, Benzine, and Paraffin. Class 15.

292,617. REPRESENTATION OF SOLDIER WITH DRUM. Registered Mar. 22, 1932. M. H. Rhodes Incorporated, Hartford, Conn., a corporation of Delaware. Renewed Mar. 22, 1952. Electric Time Switches. Class 21.

292,669. "SENSATION" AND DESIGN. Registered Mar. 22, 1932. Kops Bros., Inc., New York, N. Y., a corporation of New York. Renewed Mar. 22, 1952. Corsets, Brassières and Girdles, and Combinations of Same. Class 39.

292,674. "DIC-A-DOO" AND DRAWING LINED FOR BLUE. Registered Mar. 22, 1932. Patent Cereals Company, Geneva, N. Y., a corporation of New York. Renewed Mar. 22, 1952. Dry Paste, Dry Paste Flour, Adhesive Paste, and Adhesive Wall Size. Class 5.

292,700. NIBBELETTS. Registered Mar. 22, 1932. Minnesota Valley Canning Company. Renewed Mar. 22, 1952, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Corn. Class 46.

292,701. NIBLETTES. Registered Mar. 22, 1932. Minnesota Valley Canning Company. Renewed Mar. 22, 1952, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Corn. Class 46.

292,798. "DRIOX" AND DESIGN. Registered Mar. 29, 1932. The Linde Air Products Company. Renewed Mar. 29, 1952, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Gas for Heating, Welding, Cutting, or Illuminating, Usually Shipped in Portable Pressure Containers. Class 6.

292,799. "LINDOX" AND DESIGN. Registered Mar. 29, 1932. The Linde Air Products Company. Renewed Mar. 29, 1952, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Gas for Heating, Welding, Cutting, or Illuminating, Usually Shipped in Portable Pressure Containers. Class 6.

292,831. "BBB" AND DESIGN. Registered Mar. 29, 1932. William Demuth & Company. Renewed Mar. 29, 1952, to D. A. Schulte, Inc., New York, N. Y., a corporation of New York. Smoking and Chewing Tobacco, Cigarettes, and Cigars. Class 17.

292,859. JOSAM. Registered Mar. 29, 1932. The Josam Manufacturing Company, Cleveland, Ohio. Renewed Mar. 29, 1952, to Josam Manufacturing Company, Michigan City, Ind., a corporation of Delaware. The Following Metallic Products: Fittings and Bends Adapted for Connecting Toilet Bowls to Soil Pipe Lines, Etc. Class 13.

293,104. "ONYX" AND DESIGN. Registered Apr. 12, 1932. C. A. Zoes Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois. Renewed Apr. 12, 1952. Shoe Dye and Dressing, Shoe Cleaner, Shoe Cream, and Dry Cleaner. Class 4.

293,602. DIAZONOL. Registered May 3, 1932. Arkansas Company Inc., New York, N. Y. Renewed May 3, 1952, to Arkansas Company Inc., Newark, N. J., a corporation of New York. Compound Used as a Solvent for Starch, Waxes, and Cerisin, and Also for Emulsifying All Unsaponifiable Matter. Class 6.

293,641. HOLE-OUT. Registered May 3, 1932. The Crawford McGregor and Canby Company, Dayton, Ohio. Renewed May 3, 1952, to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio. Golf Clubs. Class 22.

293,667. "COMMANDER" ETC. AND REPRESENTATION OF WRAPPER. Registered May 3, 1932. McCrory Stores Corporation, New York, N. Y., a corporation of Delaware. Renewed May 3, 1952. Safety Razor Blades. Class 23.

293,668. COMMANDER. Registered May 3, 1932. McCrory Stores Corporation, New York, N. Y., a corporation of Delaware. Renewed May 3, 1952. Safety Razor Blades. Class 23.

293,731. "AIRLINE" AND DESIGN. Registered May 3, 1932. The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed May 3, 1952. Golf Balls. Class 22.

293,735. BLANKROLA. Registered May 3, 1932. American Multigraph Co., Wilmington, Del., and Cleveland, Ohio. Renewed May 3, 1952, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Materials and Solutions Which Act as the Solvent in Removing Ink, Grease, Etc. Class 52.

293,738. EL TROYANO. Registered May 3, 1932. Youngs Rubber Corporation, Inc. Renewed May 3, 1952, to Youngs Rubber Corporation, New York, N. Y., a corporation of New York. Prophylactic Rubber Articles for the Prevention of Contagious Diseases. Class 44.

293,894. SENSEVE. Registered May 10, 1932. American Multigraph Co., Wilmington, Del., and Cleveland, Ohio. Renewed May 10, 1952, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Photographic Sensitizing Materials and Solutions. Class 6.

293,960. "STARLIGHT" AND DESIGN. Registered May 10, 1932. Starlight Bros. Inc., New York, N. Y. Renewed May 10, 1952, to Starlight Bros., Inc., Passaic, N. J., a corporation of New Jersey. Cigars. Class 17.

294,295. EVEREADY RUSTONE. Registered May 24, 1932. National Carbon Company, Inc. Renewed May 24, 1952, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Chemical Corrosion Preventing Preparations for Use in Water Cooling Systems of Automobile and Like Motors. Class 6.

294,342. ARASTICK. Registered May 24, 1932. The Arabol Manufacturing Company, New York, N. Y., a corporation of New York. Renewed May 24, 1952. Adhesives in Liquid, Dry, or Powdered Condition, and Particularly for Powder for Making an Adhesive Paste. Class 5.

294,526. DURO CLEAR. Registered May 31, 1932. Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Renewed May 31, 1952. Inking Ribbons. Class 11.

294,541. UNCLE WILLIE. Registered May 31, 1932. The George Schafer-H. C. Pfaff Cigar Company, Baltimore, Md., a corporation of Maryland. Renewed May 31, 1952. Cigars. Class 17.

294,666. "PUREPAC" AND DESIGN. Registered June 7, 1932. Purepac Corporation, Newark, N. J. Renewed June 7, 1952, to Purepac Corporation, New York, N. Y., a corporation of New Jersey. Alum Powder, Anise Seed, Bicarb. Soda, Boric Acid, Borax Powder, Chalk and Orris, Etc. Class 51.

294,695. VAPORENE. Registered June 7, 1932. Metropolitan Refining Co., Inc., Long Island City, N. Y., a corporation of New York. Renewed June 7, 1952. Rust, Scale, and Corrosion Preventive and Eliminating Compound. Class 52.

294,765. LEGIONNAIRE. Registered June 7, 1932. Russell Playing Card Company, Jersey City, N. J. Renewed June 7, 1952, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Playing Cards. Class 22.

294,867. CYCLE. Registered June 7, 1932. Fillmore Citrus Association, Fillmore, Calif., a corporation of California. Renewed June 7, 1952. Fresh Citrus Fruits. Class 46.

294,940. CENTURY. Registered June 14, 1932. Century Electric Company, St. Louis, Mo., a corporation of Missouri. Renewed June 14, 1952. Electrical Apparatus—Namely, Electric Motors, Etc. Class 21.

294,978. "ROYAL OAK" AND DESIGN. Registered June 14, 1932. Crossett Chemical Company, Crossett, Ark., a corporation of Delaware. Renewed June 14, 1952. Charcoal. Class 1.

295,077. VIANDAROME. Registered June 14, 1932. Fritzsche Brothers, Inc., New York, N. Y., a corporation of New York. Renewed June 14, 1952. Chemical Compounds Suitable for the Flavoring of Food Products and Chemical Preparations Suitable for the Flavoring of Food Products. Class 46.

295,146. "BLUE BEACON COAL" AND DRAWING. Registered June 21, 1932. Truax-Traer Coal Company, Chicago, Ill., a corporation of Delaware. Renewed June 21, 1952. Coal. Class 1.

295,227. HOUGHTO-KOTE. Registered June 21, 1932. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 21, 1952. Ready Mixed Industrial Paints. Class 16.

295,518. DU PONT NH. Registered July 5, 1932. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Renewed July 5, 1952. Military Smokeless Powder. Class 9.

295,523. "B & J" AND DESIGN. Registered July 5, 1932. Barnes & Jones, Boston, Mass. Renewed July 5, 1952, to Barnes & Jones Incorporated, Jamaica Plain, Boston, Mass., a corporation of Massachusetts. Plumbing and Steam Fitting Valves and Traps. Class 13.

295,528. A. DOUGHERTY. Registered July 5, 1932. The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Renewed July 5, 1952, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Playing Cards. Class 22.

295,547. GOTHAMIZED. Registered July 5, 1932. Gotham Silk Hosiery Company, Inc. Renewed July 5, 1952, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. Hosiery. Class 39.

295,548. LITHALOID. Registered July 5, 1932. The Haloid Company, Rochester, N. Y., a corporation of New York. Renewed July 5, 1952. Sensitized Photographic Paper. Class 26.

295,549. MAXA BLACK. Registered July 5, 1932. The Haloid Company, Rochester, N. Y., a corporation of New York. Renewed July 5, 1952. Sensitized Photographic Paper. Class 26.

295,561. DURCO. Registered July 5, 1932. The Duriron Company, Inc., Dayton, Ohio, a corporation of New York. Renewed July 5, 1952. Castings of Ferrous Alloys and Wrought Sheets and Bars of Such Alloys. Class 14.

295,611. MONARCH. Registered July 5, 1932. Hewitt-Gutta Percha Rubber Corporation. Renewed July 5, 1952, to Hewitt-Robins Incorporated, Buffalo, N. Y., a corporation of New York. Hose, Belting, and Packing Made of Rubber and Fabric. Class 35.

295,969. THE N. Y. CONSOLIDATED CARD CO. Registered July 19, 1932. The United States Playing Card Company, East Norwood, Cincinnati, Ohio. Renewed July 19, 1952, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Playing Cards. Class 22.

295,970. "GOTHAM" AND DESIGN. Registered July 19, 1932. Gotham Tissue Corporation, New York, N. Y. Renewed July 19, 1952, to Gotham Tissue Corporation, Salem, N. Y., a corporation of New York. Toilet Paper and Paper Facial Tissues. Class 37.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

293,386. REALISTIC. Registered Apr. 19, 1932. The Realistic Permanent Wave Machine Co., Cleveland, Ohio. Hair Waving and Treating Solutions and Lotions, Hair Wash, Hair Rinse, Etc. Class 51. Amended as follows: In the statement, column 2, lines 5, 6, and 7 'The trade-mark consists of the word "Realistic" delineated in peculiar scrip-like letters, as shown in the drawing and specimens.' is deleted.

294,060. "REALISTIC" AND DESIGN. Registered May 17, 1932. The Realistic Permanent Wave Machine Company, Cleveland, Ohio. Electrical Permanent Waving Heaters; Electrical Hair Waving Apparatus—Namely, Machines, Supports, and Stands, Parts and Equipment Therefor. Class 44. Amended as follows: In the statement, column 2, lines 8, 9, and 10 'The trade-mark consists of the word "Realistic" delineated in peculiar scrip-like letters, which' is deleted and *The letters of the trade-mark* is inserted in lieu thereof.

344,241. E-Z-ON. Registered Mar. 16, 1937. E-Z-On Dresses Inc., New York, N. Y. Ladies' Dresses. Class 39. Amended as follows: In the statement, line 7, "ladies' " is deleted and *maternity* is inserted in lieu thereof.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

95,225. MARY JANES. Registered Feb. 3, 1914. Renewed Feb. 3, 1934. Charles N. Miller, CANDY, Class 46. New certificate under section 7(c) issued May 20, 1952, to Charles N. Miller Co., Boston, Mass., a corporation of Massachusetts.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 432,623. Registered Sept. 9, 1947. Brevitt Shoes Limited, Leicester, England, a corporation of Great Britain. Republished by registrant.

Brevitt

For Handbags.
Claims use since Mar. 1, 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 290,749. Registered Jan. 12, 1932. Geigy Company, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

INOCYL

For Dyestuffs, Lakes, and Chemical Products Suitable for Dyeing Purposes.
Claims use since July 25, 1931.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 427,389. Registered Feb. 11, 1947. Soreng Manufacturing Corporation, Chicago, Ill., by change of name from Soreng Manegold Company. Republished by Soreng Manufacturing Corporation, Schiller Park, Ill., a corporation of Illinois.

SM

For Solenoids (Both A. C. and D. C.), Electric Switches (Both A. C. and D. C.) for Automotive and Home Appliances, Automatic Switches and Circuit Breakers, Timing Devices for Electric Switches and Circuit Breakers, Circuit Breakers for Electrical Household Appliances, Wiring Harnesses for Electrical Household Appliances, Lamp and Fuse Receptacles, Electrical Terminals and Terminal Mounting Bases, Electrical Junction Blocks Such as Used With Electrical Wiring Harnesses, and Electrical Resistors.
Claims use since 1925.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 281,675. Registered Mar. 24, 1931. Neptune Meter Company, New York, N. Y. Republished by Neptune Meter Company, New York, N. Y., and Long Island City, N. Y., a corporation of New Jersey.



For Meters for Measuring Liquids.
Claims use since about Jan. 1, 1906.

CLASS 37

PAPER AND STATIONERY

Reg. No. 290,444. Registered Jan. 5, 1932. Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.

DRUMHEAD

For Tympan Paper.
Claims use since June 1, 1931.

CLASS 39

CLOTHING

Reg. No. 412,765. Registered Mar. 27, 1945. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

THE FORECAST

For Ladies' Dresses, Evening Gowns and Wraps, Sport and Dress Coats, Sport and Dress Suits, Ensemble Suits, Sports and Dress Hats, and Shoes and Slippers Made of Leather and Fabric.
Claims use since May 1, 1933.

Reg. No. 442,997. Registered June 28, 1949. Brevitt Shoes Limited, Leicester, England, a corporation of Great Britain. Republished by registrant.

'Floatees'

For Shoes.
Claims use since October 1946.

Reg. No. 444,533. Registered July 24, 1951. Brevitt Shoes Limited, Leicester, England, a corporation of Great Britain. Republished by registrant.

BREVITT CUSHIONWELT

The word "Cushionwelt" is disclaimed apart from the mark as shown.
For Men's, Women's, and Children's Shoes, Made Wholly or Principally of Leather.
Claims use since Mar. 14, 1944.

CLASS 43

THREAD AND YARN

Reg. No. 331,521. Registered Jan. 14, 1936. Botany Worsted Mills, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.



For Worsted Knitting Yarns.
Claims use since Mar. 19, 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 84,081. Registered Nov. 7, 1911. F. B. Chamberlain Company, St. Louis, Mo., a corporation of Illinois. Republished by registrant.

CHAMBERLAIN'S

For Flavoring Extracts, Buckwheat, Rye, Wheat and Graham Flour, Farina and Barley.
Claims use since about the year 1845.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 339,320. Registered Oct. 6, 1936. Frankfort Distilleries, Incorporated, Louisville, Ky. Republished by Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of Delaware.

Antique

For Whiskey.
Claims use since May 25, 1936.

Reg. No. 340,140. Registered Nov. 3, 1936. Frankfort Distilleries, Incorporated, Louisville, Ky. Republished by Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of Delaware.

OLD SCAR PEPPER

For Whiskey.
Claims use since June 26, 1936.

Reg. No. 351,463. Registered Nov. 2, 1937. Frankfort Distilleries, Incorporated, Louisville, Ky. Republished by Paul Jones and Company, Inc., Baltimore, Md., a corporation of Maryland.

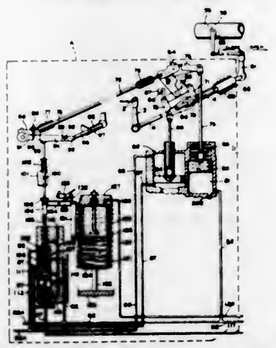
MATTINGLY & MOORE

For Whiskey.
Claims use since July 15, 1936.

REISSUES

MAY 20, 1952

23,490
CONTROL DEVICE FOR THE POWER UNITS OF AIRCRAFT
Howard A. Alexanderson, Hohokus, and Robert Z. Hague, Oradell, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original No. 2,538,777, dated January 23, 1951, Serial No. 12,784, March 3, 1948, which is a division of Serial No. 596,472, May 29, 1945. Application for reissue June 27, 1951, Serial No. 233,764
7 Claims. (Cl. 121—41)



1. The combination comprising a first rotatable shaft, a second rotatable shaft, a walking beam operatively connecting said first and second rotatable shafts, stop means for limiting movement of said walking beam in a first sense and permitting movement of said walking beam in a second sense so as to drivingly connect said first and second rotatable shafts, and means for placing said stop means out of said limiting relation so as to permit movement of said walking beam in said [second] *first* sense.

23,491
EXTENSIBLE HEM GARMENT CONSTRUCTION
Barney Caplan, Camden, N. J.
Original No. 2,508,223, dated May 16, 1950, Serial No. 61,640, November 23, 1948. Application for reissue May 7, 1951, Serial No. 224,854
10 Claims. (Cl. 2—97)



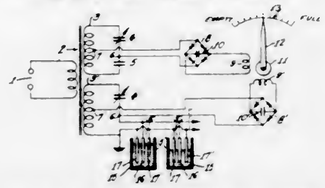
1. A garment construction comprising an outer-ply having a relatively wide bottom hem turned inwardly so that it is not visible from the outside of the garment, a lining having a bottom hem of generally the same width as the first-mentioned hem, said lining hem also being turned inwardly so that it is not visible from the inside of the garment, and a single continuous generally annular line of readily removable stitching extending around the inturned hemlines, said stitching fastening the upturned edge of the first-mentioned hem to the outer-ply and fastening the upturned edge of the second-mentioned hem to the lining while leaving the remainder of said hems unfastened whereby said hems are retained in upwardly-directed position but are free to unfold and fall when the stitching is removed in a single operation, thereby to lengthen both the outer-ply and the lining.

23,492
MANUFACTURE OF THE ENVELOPES OF ELECTRON DISCHARGE AND OTHER EVACUATED DEVICES
Edouard Despois, Paris, France, assignor to Societe Francaise Radio Electrique, a corporation of France
Original No. 2,504,504, dated April 18, 1950, Serial No. 689,330, August 9, 1946. Application for reissue February 7, 1952, Serial No. 270,310
6 Claims. (Cl. 220—2.1)



7. An air-tight envelope for a vacuum tube comprising two parts opposite each other and directly sealed to each other, the terminal surface of at least one of said parts having an unsealed non-contacting optical polish inside the tube in continuity with and an extension of the sealed contact.

23,493
LIQUID LEVEL GAUGE
Abraham Edelman, New York, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Original No. 2,581,085, dated January 1, 1952, Serial No. 575,664, February 1, 1945. Application for reissue March 8, 1952, Serial No. 275,480
16 Claims. (Cl. 73—304)



1. Apparatus for indicating the level of non-gaseous fluids in a container adapted for use from time to time in indicating the levels of different fluids, comprising an electric indicating instrument, at least two electric circuits for controlling the indication of said instrument, said circuits being adapted to be energized by a single source of alternating current, a condenser including spaced

electrodes substantially vertically arranged in said container, so that said electrodes will be immersed in the fluid in said container to an extent dependent upon the level of the fluid therein, whereby the capacitance of said condenser will vary with the level of the fluid in said container, conductors connecting said condenser in one of said circuits, a comparison condenser including electrodes similarly connected in the other of said circuits and having its electrodes substantially completely immersed in a fluid which has substantially the same dielectric values as the fluid in the container throughout the range of ambient conditions to which the entire apparatus may be subjected during operation of the apparatus, said comparison condenser being positioned so as to be subject to the same ambient conditions as the first named condenser, said comparison condenser being adapted for change of its associated fluid to maintain the aforesaid relationship of the dielectric values whenever the first named condenser is to be used with a different fluid, and a variable reactance connected in each of said circuits to balance said circuits and to provide a zero, set-up adjustment for said indicating instrument.

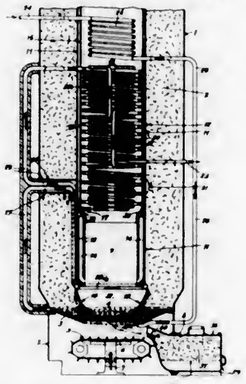
23,494

APPARATUS FOR THE RAPID VAPORIZATION OF WATER BY MEANS OF A SOLID COMBUSTIBLE

Robert Esnault-Pelterie, Geneva, Switzerland, assignor to Spiadis Societe Pour L'Application D'Inventions Scientifiques, Luxemburg, a firm of Luxemburg

Original No. 2,526,339, dated October 17, 1950, Serial No. 613,390, August 29, 1945. Application for reissue December 11, 1951, Serial No. 260,964

6 Claims. (Cl. 122—169)



1. A rapid vaporization steam boiler adapted to be fired with solid lumpy fuel comprising a receptable for lumpy fuel, a substantially vertical central shaft arranged in said receptable, tubes adapted to be fed with water to be vaporized arranged within said shaft, a refractory lined substantially vertical shaft within said receptacle aligned with said first-named shaft and below the latter whose upper end opens into the lower end of said first-named shaft and whose lower end opens into a fire room in which said fuel forms a crumbling crater, said refractory lined shaft defining an intermediate combustion chamber, an inner concentric shell within said first-named shaft surrounding said tubes and defining an air duct with said shaft, primary air heating ducts in the refractory lining of said second shaft forming a straight prolongation of said first-named air duct for first preheating and then heating air in its course to said fire room, said second-named air ducts having outlets directed to cause the heated air to lick the crumbling crater formed by the fuel with a general whirling movement, said intermediate combustion chamber lying entirely below the tube-containing portion of said first-named shaft, and said inner concentric shell extending in *axial* [straight] prolongation of the wall of said intermediate combustion chamber.

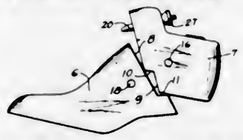
23,495

SHOE LAST

Eskel J. McDaniel and Arthur R. Summers, St. Louis, Mo.

Original No. 2,484,351, dated October 11, 1949, Serial No. 54,176, October 12, 1948. Application for reissue June 10, 1950, Serial No. 167,432

8 Claims. (Cl. 12—136)



1. A collapsible shoe last comprising separable toe and heel parts having complementary abutting surfaces inclined between the longitudinal and transverse axes of the last, a last-mounting orifice projecting transversely into said heel part from its upper surface, longitudinal depressions in said surfaces, a swivel link connecting said parts and projecting into said depressions, said link having a slotted aperture in the toe end and a round aperture in heel end thereof, pivot pins extending through said apertures and said parts and substantially spaced inwardly of said abutting surfaces for adequate reinforcement against breakage of the last material during lasting, said abutting surfaces having stepped portions for limiting swivelling of said parts in one direction from their normal, functioning positions and said link preventing longitudinal separation of said parts when in said position, a pair of normally aligned orifices in said parts spaced from said depressions and extending from the upper surface of said heel part and intersecting said surfaces at substantially 90° thereto, a lining sleeve firmly lodged in said heel part orifice and having an internal, apertured shoulder spaced inwardly from the outer edge of said heel part orifice, and a detent pin having an enlarged lower part normally closely fitting the adjacent portions of said aligned orifices, a reduced intermediate portion slidably guided by said apertured shoulder, and an enlarged, conical handle portion for seating against said upper edge of said last mentioned orifice to limit the projection of and to center said detent pin in its extended position.

23,496

RESUSCITATOR

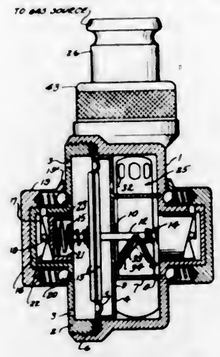
Henry Seeler, Dayton, Ohio

Original No. 2,581,450, dated January 8, 1952, Serial No. 212,818, February 26, 1951. Application for reissue February 15, 1952, Serial No. 271,841

7 Claims. (Cl. 128—29)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A resuscitator comprising, a housing defining a gas receiving chamber, said housing being provided with a port adapted for connection with a mask, conduit means traversing said chamber, said conduit means being fitted at one end for attachment to a source of gas under pressure and the other end thereof defining a discharge port open to the ambient atmosphere, jet jump means within said conduit means and including a nozzle and an adjacent constriction spaced downstream from the nozzle, a rotatably mounted valve positioned between said constriction and said discharge port for opening and closing said conduit means, a crankshaft rigidly connected to said valve and extending outside of said conduit



means, a valve actuating diaphragm in said housing communicating at one side with said gas receiving chamber, a slidably mounted rod secured centrally of said diaphragm, spring means extending laterally from said rod and connected to said crankshaft, port means in said conduit upstream from said constriction and connecting with said gas receiving chamber, whereby gas flowing into said conduit will alternately flow through said port means and to the lungs of a patient wearing said mask or flow through said jet pump to the ambient atmosphere as said valve is closed or opened respectively by action of said diaphragm, rod, spring means and crankshaft.

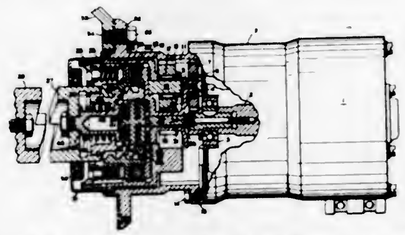
23,497

STARTER JAW ACTUATING MECHANISM

Roderick W. Stelzel, Hohokus, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Original No. 2,572,532, dated October 23, 1951, Serial No. 125,923, November 7, 1949. Application for reissue February 18, 1952, Serial No. 271,989

6 Claims. (Cl. 74—7)



1. For use in an engine starter, the combination of an assembly comprising an axially stationary rotatable spline nut, a screw shaft connected for rotation with and axial movement relative to said spline nut, said screw shaft having an internally threaded portion, and an annular groove adjacent thereto, a shaft member concentric with and extending into said screw shaft, said shaft member having first ball receiving openings at spaced intervals along a helical path corresponding to the pitch of said internally threaded portion, first balls positioned in said openings, first spring means for resiliently biasing said balls into engagement with said internally threaded portion, second ball receiving openings in said shaft spaced circumferentially around said shaft, second balls positioned in said second openings, second spring means for biasing said second balls into engagement with said annular groove to hold said screw shaft in a retracted position, said first spring means being greater than said last spring means whereby upon rotation of said shaft said screw shaft is actuated to an extended position.

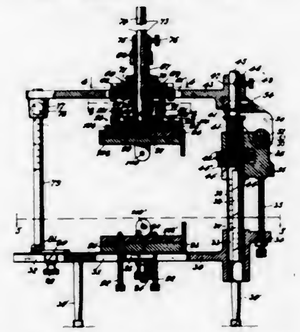
23,498

DENTAL SURVEYOR AND COORDINATOR

Victor Stoll, New York, N. Y.

Original No. 2,510,152, dated June 6, 1950, Serial No. 745,307, May 1, 1947. Application for reissue June 5, 1951, Serial No. 229,913

13 Claims. (Cl. 32—32)



1. In a device of the character described, in combination, a base platform, a vertically movable supporting member upon said base platform, a gimbal supporting platform hingedly mounted upon said supporting member, a gimbal upon said hinged platform, a vertically movable shaft upon said gimbal, an upper dental cast holder secured to the lower portion of said shaft and a lower dental cast holder secured to said base platform and capable of being positioned in vertical alignment with said upper dental cast holder.

23,499

MODIFIED LARD AND PROCESS OF PRODUCING SAME

Robert J. Vander Wal, Chicago, and Leon A. Van Akkeren, Oak Park, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Original No. 2,571,315, dated October 16, 1951, Serial No. 132,414, December 16, 1949. Application for reissue October 16, 1951, Serial No. 251,649

13 Claims. (Cl. 99—118)

1. In a process for treating lard, the steps of heating the lard in liquid phase and in the presence of a metal alcoholate at temperatures about 50°–150° C.

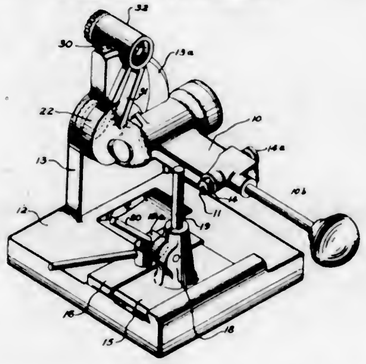
23,500

APPARATUS FOR DRESSING VALVE SEAT GRINDING STONES FOR CONVEX VALVE SEATS

Glenn C. Wilhide, Towson, Md., assignor to The Black & Decker Manufacturing Company, Towson, Md., a corporation of Maryland

Original No. 2,582,763, dated January 15, 1952, Serial No. 701,002, October 3, 1946. Application for reissue February 19, 1952, Serial No. 272,461

4 Claims. (Cl. 125—11)



1. A valve seat grinding wheel dresser comprising a base structure having a vertical extension, a member pivotally mounted to said extension with the pivot axis horizontal, said member being adapted to be clamped with respect to said extension in a selected position, a pivot shaft carried by said member with its axis intersecting at right angles the pivot axis of said member, a horizontal slideway on the base, a slide in the slideway, the direction of movement of said slide being at right angles to the direction of the pivot axis of said member, vertical spindle means on the slide for rotatively supporting a grinding wheel, said spindle means being vertically adjustable to determine the wheel height, and an arm carrying a wheel dressing point intermediate its ends and having one end pivotally carried by said pivot shaft with the other end free to be manually swung about said pivot shaft whereby said wheel dressing point may be swung in an arc across the grinding wheel.

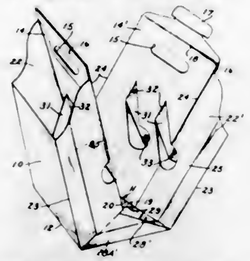
23,501

BOTTLE CARRIER

Stephen Lighter, Whitefish Bay, Wis., assignor to Gaylord Container Corporation, St. Louis, Mo.

Original No. 2,535,741, dated December 26, 1950, Serial No. 706,196, October 28, 1946. Application for reissue December 14, 1951, Serial No. 261,708

8 Claims. (Cl. 229—28)



6. A bottle carrier comprising a unitary cardboard structure having two bottle-receiving open-top units each provided with an outer side wall and an inner side wall, having a hand hole therein, the said hand holes in the side walls being in registry, and each side wall being integrally united with its outer wall by opposite end walls, transverse compartment-forming partitions in each of the units which along with the inner side wall and end wall portions define an end compartment at each end of each unit, a substantially rigid one-piece bottom wall integral with the lower ends of said outer walls, a foldable section at each end of the bottom wall consisting of adjacent foldably connected intermediate and end triangularly shaped flaps, the intermediate flap being connected to the bottom wall and the end flaps to the end walls, and each intermediate flap being in fact contacting relation to the adjacent interior bottom wall with the end flaps superposed thereon and with one end flap disposed only in the bottom of each end compartment of each unit.

PLANT PATENTS

GRANTED MAY 20, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,097

PEACH TREE

Grant Merrill, Red Bluff, Calif.

Application October 27, 1950, Serial No. 192,551

1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, substantially as described and illustrated, bearing yellow-fleshed freestone fruit having a very late ripening period in comparison to the J. H. Hale and Kirkman Gem; such ripening period being seven to eight weeks later and one to two weeks later than said varieties, respectively; as further compared to the J. H. Hale the fruit being equal in market quality but withstands cold storage better; and as further compared to the Kirkman Gem the tree being larger and more vigorous, and the fruit being more highly colored, sweeter, and superior for shipping.

1,098

PEACH TREE

Grant Merrill, Red Bluff, Calif.

Application October 27, 1950, Serial No. 192,552

1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, substantially as described and illustrated, bearing yellow fleshed freestone fruit having the general appearance of the Rio Oso Gem but ripening approximately five weeks later than said Rio Oso Gem and a few days later than the Kirkman Gem; the fruit being sweeter than the Rio Oso Gem and Kirkman Gem; having less ridge down the suture line, being smoother skinned, and more symmetrical than the Rio Oso Gem; and being firmer, without the soft suture stripe of the Kirkman Gem; the flesh of the fruit being resistant to oxidation discoloring upon exposure of the flesh to air.

1,099

PEACH TREE

Grant Merrill, Red Bluff, Calif.

Application October 27, 1950, Serial No. 192,553

1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree, substantially as described and illustrated, characterized by its general resemblance to the Kirkman Gem, including late ripening, yellow-fleshed freestone fruit, but distinguished therefrom by a tree which is stronger growing and more vigorous, and by fruit having a first picking a few days later than the beginning of the Kirkman Gem harvest and a last picking subsequent to the termination of such harvest; the fruit being further characterized by skin having more red color, the absence of a soft stripe down the suture, more elongated or "Elberta" shaped, and firmer at the shipping stage of ripeness.

PATENTS

GRANTED MAY 20, 1952

2,596,967
FLUORINE-CONTAINING ORGANOSILICON COMPOUNDS
Lawrence W. Frost, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 19, 1948, Serial No. 61,144
14 Claims. (Cl. 260—46.5)

5. An organosilicon compound with fluorine in the organic groups comprising the copolymer reaction product derived by heating to copolymerization (*a*) one mole of an alkenyl silane compound having the unit formula

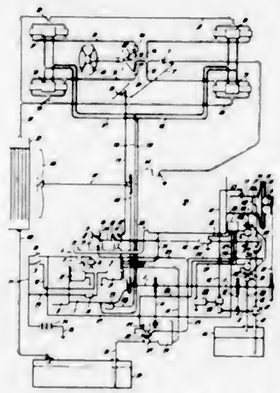
$$R^1_xR^2_nSiY_{[4-(x+n)]}$$

where R^1 is a monovalent beta-gamma olefinic hydrocarbon radical having a terminal methylene group, R^2 is a monovalent hydrocarbon radical selected from the group consisting of saturated aliphatic and cycloaliphatic hydrocarbons, phenyl and substituted phenyl radicals, the substituents on phenyl being selected from the group consisting of saturated aliphatic hydrocarbons, halides and halogen substituted saturated aliphatic hydrocarbon radicals, x is a whole number from 1 to 3, n is a whole number from 0 to 2, the sum of x plus n not exceeding 3, and Y is a monovalent hydrolyzable radical selected from the group consisting of hydrocarbonoxy, chlorine and fluorine radicals, and (*b*) between 1 and 15 moles of a perhalogenated unsaturated hydrocarbon compound selected from the group consisting of monomeric polymerizable aliphatic and cycloaliphatic compounds having halogen selected from the group consisting of fluorine and chlorine substituted thereon and with at least as many fluorine atoms as chlorine atoms being present, the copolymer reaction between (*a*) and (*b*) being effected by linking through the olefinic radical R^1 and the unsaturated group in the perhalogenated unsaturated hydrocarbon compound.

2,596,968
STEAM POWER PLANT
Robert L. Harris and Marcus Lothrop, Berkeley, Calif., assignors to Yuba Manufacturing Company, San Francisco, Calif., a corporation of California
Application May 1, 1948, Serial No. 24,656
12 Claims. (Cl. 60—105)

1. A steam power plant comprising a steam generator, a steam engine, an operator-controlled throttle for regulating the flow of steam from said generator to said steam engine, means for supplying heat to said generator, a prime mover operable independently of said generator and of said engine for operating said supplying means, and means for simultaneously regulating said throttle and said prime mover.

2. A steam power plant comprising a steam generator, a steam engine means for connecting said generator to supply steam to said steam engine, a throttle for governing said supply, a condenser for steam from said engine, a fan for blowing cooling air over said condenser, an engine operable independently of said generator for driving said fan, and an operator-controlled regulator for simultaneously operating said throttle and correspondingly regulating said independent engine.



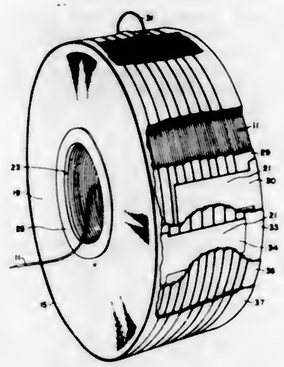
8. A steam power plant comprising a steam generator, means for supplying said generator with materials for combustion, an internal combustion engine for driving said supplying means, said engine having an electrical ignition system, electrical means for regulating said supplying means, and a switch for simultaneously controlling said ignition system and said regulating means.

2,596,969
FERMENTATION PROCESS FOR PRODUCING GRISEIN
David Hendlin, Elizabeth, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 30, 1948, Serial No. 62,782
5 Claims. (Cl. 195—80)

1. The process for producing fermentation broths containing grisein in enhanced concentrations which comprises fermenting a grisein producing strain of *Streptomyces griseus* under aerobic submerged conditions in an aqueous medium containing brewer's yeast as the sole organic nutrient.

2,596,970
COIL PACKAGING
John W. Adams, Bradley Beach, N. J.
Application April 3, 1950, Serial No. 153,683
8 Claims. (Cl. 206—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A package, for a coil having a hollow center, comprising two end members at least one of said members having a central opening, each of said members including a body portion having an outside diameter substantially equal to that of said coil and having a plurality of radially disposed tabs about the circumference of said body portion, and first, second, third, fourth, fifth and sixth layers disposed successively about the outer lateral surface of said coil, said first layer being of tape and covering the outer lateral surface of said coil, said second layer comprising the tabs of one of said end members and at least partially covering said first layer, said third layer being of tape and covering said second layer



and any exposed portions of said first layer, said fourth layer comprising the tabs of the other of said end members and at least partially covering said third layer, said fifth layer being of tape and covering said fourth layer and any exposed portions of said third layer, and said sixth layer being of tape and covering said fifth layer.

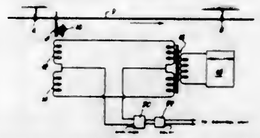
2,596,971
NUTRIENT COMPOSITION FOR THE PREPARATION OF STREPTOMYCIN
William F. Allen, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application December 30, 1947, Serial No. 794,801
2 Claims. (Cl. 195—80)

1. A nutrient composition for the growth of streptomycin-producing microorganisms, which consists essentially of soybean meal and, as growth-promoting and streptomycin-production stimulating factors, free inositol and a mixture of mono-amino, mono-carboxylic amino acids obtained from a neutralized and concentrated protein hydrolyzate selected from the group consisting of corn, wheat and soybean protein hydrolyzates, said inositol being present in the range of 0.01 to 10% by weight and said amino acids being present in a range of from 0.5 to 50% by weight.

2,596,972
NUTRIENT COMPOSITION FOR THE PREPARATION OF STREPTOMYCIN
William F. Allen, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application December 30, 1947, Serial No. 794,802
2 Claims. (Cl. 195—80)

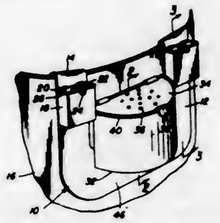
1. A nutrient composition for the growth of streptomycin-producing microorganisms, which consists essentially of soybean meal and, as a growth-promoting and streptomycin-production stimulating factor, 0.01 to 10% by weight of free inositol.

2,596,973
TEXTILE CONTROL
Wilmer C. Anderson, Greenwich, Conn., assignor to Deering Milliken Research Trust, New York, N. Y., a nonprofit trust of New York
Application July 13, 1948, Serial No. 38,390
12 Claims. (Cl. 28—51)



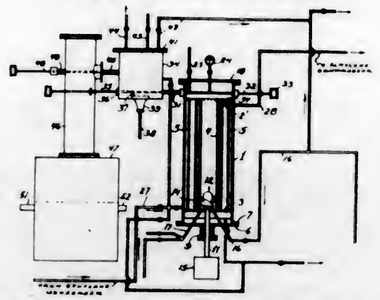
1. In a textile machine having means for moving a plurality of ends of yarn under tension, a stop motion device for the yarn advancing means comprising in combination means for creating an alternating magnetic field beneath a portion of the normal path of the ends, a plurality of elements of magnetic permeability greater than air, one suspended from each yarn end above the field so as to be introduced therein upon reduction in tension of a supporting end, and circuit means responsive to the introduction of an element into the field for stopping said yarn advancing means, said circuit means including a part the effective impedance of which is altered when an element is introduced into the field.

2,596,974
UTILITY ATTACHMENT FOR FISHING CREELS
Joseph Angelo, North Plainfield, N. J.
Application July 14, 1947, Serial No. 760,713
3 Claims. (Cl. 220—18)



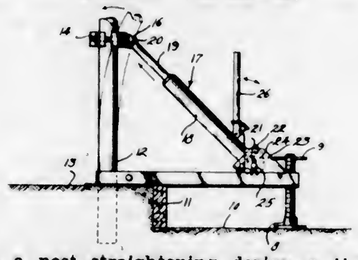
3. A utility attachment for fishing creels comprising a flat substantially U-shaped base member including spaced parallel leg portions and a web portion joining said leg portions, depending hooks forming part of said leg portions and adapted to engage over the upper edge of a creel, the web portion of said base member having a central opening therein, a main receptacle having a single depending resilient clip secured to its lower portion and extending through said central opening, said main receptacle being open at its upper end, a closure hinged to said main receptacle for vertical swinging movement and including a means for retaining the closure in its closed position, said leg portions having horizontal slots therein adjacent said hooks, a pair of auxiliary receptacles, a single depending spring clip secured to each of said auxiliary receptacles and received in said slots to support said auxiliary receptacles upon the leg portions of said base member, said main receptacle being considerably larger than said auxiliary receptacles and extending upwardly from said web portion between said auxiliary receptacles, and a vertically swinging closure for each of said auxiliary receptacles.

2,596,975
SLURRY POLYMERIZATION PROCESS
John H. Bannon, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 1, 1949, Serial No. 113,583
7 Claims. (Cl. 260—85.3)



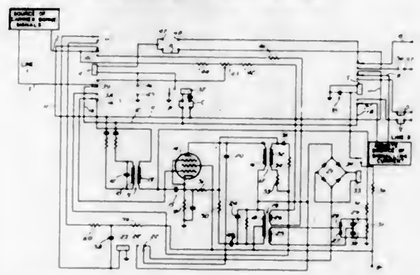
6. A polymerization process comprising the steps in combination of preparing a cold mixture of a major proportion of isobutylene with a minor proportion of an unsaturated hydrocarbon selected from the group consisting of a multi-unsaturate having from 4 to 14, inclusive, carbon atoms per molecule and having at least two aliphatic unsaturated linkages and styrene, at a temperature within the range between −40° C. and −110° C.; diluting the mixture with from 1 to 20 volumes of inert diluent which is a non-solvent for the polymer; circulating the cold olefinic-diluent mixture at a flow velocity within the range between 8 feet and 25 feet per second, simultaneously producing therein a Reynolds' turbulence number within the range between 2,500,000 and 4,500,000, and polymerizing the mixture by the addition thereto of a liquid catalyst, thereby causing the polymerization to occur under such conditions of flow rate and turbulence as to yield a fine-grained slurry of solid polymer in diluent with a minimum amount of polymer removed from the slurry by adhesion to container walls.

2,596,976
POST STRAIGHTENING JACK
Edford E. Barber, New Haven, Conn.
Application October 17, 1946, Serial No. 703,892
1 Claim. (Cl. 153—48)



In a post straightening device, a U-shaped ground engaging base member adapted to straddle the post with the bight end of said base member engaged with the post, a cross member connecting the ends of said base member and having a ground engaging jack screw threaded therethrough for levelling said base member on the ground, a clamp attachable to the post above said base member and provided with a lateral lug, and a fluid pressure jack having a base end pivotally supported on said base member for swinging of said jack into differently upwardly inclined positions, said jack including a plunger having a head removably positionable at will under said lug for upward pressure against said lug diagonally of said post.

2,596,977
RINGING EQUIPMENT
Walter Brandt, Jersey City, and John H. Rundage, West Caldwell, N. J., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 8, 1947, Serial No. 778,676
15 Claims. (Cl. 179—84)



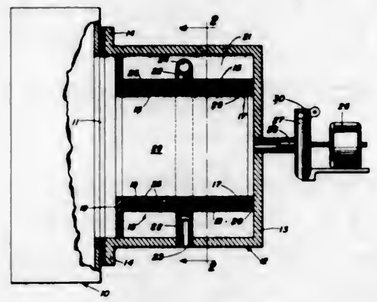
1. In a telecommunication system, first and second lines for transmitting speech frequencies, a source of carrier borne signals in the speech frequency range, means for applying the carrier borne signals to the first line, a remote source of signaling current in the low-to-zero frequency range, means for applying the signaling current to the second line, a local source of signaling current in the low-to-zero frequency range, apparatus responsive in a first condition to carrier borne signals received from the first line for applying the signaling currents from the local source to the second line, a portion of the same apparatus in a second condition being adapted to generate both carrier and modulating signals and means responsive to signaling currents received over the second line from the remote source to change said apparatus from said first condition to said second condition and to apply said last-mentioned carrier signals to the first line.

2,596,978
8-HYDROXY-1,2,3,4-TETRAHYDROQUINOLINE AS A SILVER HALIDE DEVELOPER
Robert R. Burtner, Skokie, and Robert T. Dillon, Wilmette, Ill., assignors to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application September 17, 1947, Serial No. 774,678
9 Claims. (Cl. 95—88)

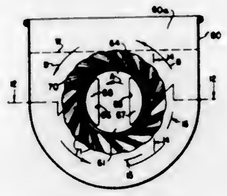
1. A photographic developing composition for the development of a latent image in a silver halide emulsion comprising an 8-hydroxy-1,2,3,4-tetrahydroquinoline and a soluble inorganic reducing agent containing tetravalent sulfur.

2,596,979
DEHUMIDIFIER
James W. Case, Fairfax, Va.
Application January 11, 1950, Serial No. 138,041
2 Claims. (Cl. 183—4.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A dehumidifying device for controlling moisture conditions within a substantially closed chamber without preventing ingress of outside air comprising; a housing, said housing having an air admitting aperture, a desiccant within the housing arranged in the form of a barrier so as to divide the housing into two concentric chambers, a tube communicating with said aperture said tube being of a length at least ten times its internal diameter, the inner end of said tube terminating in one of said chambers, the other of said chambers being adjacent and in direct communication with the space in which dehumidifying conditions are to be maintained.

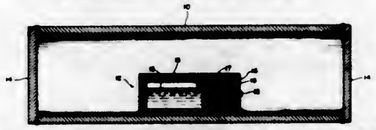


2,596,980
CLOTHES-WASHING MACHINE
George P. Castner, Webster City, Iowa
Application April 2, 1949, Serial No. 85,113
1 Claim. (Cl. 68—54)



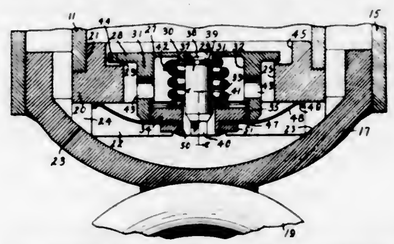
In a clothes washing machine including an upstanding tub for containing clothes and washing liquid; a dasher plate mounted for rotation in a substantially upstanding position within said tub and adjacent to the side thereof and in a submerged position therein with respect to the contained washing liquid, means for rotating said dasher plate unidirectionally, a relatively shallow outstanding vane carried on the outer face of said dasher plate and removed from the center of rotation thereof and extending in a crosswise to radial direction with respect to the center of rotation thereof, a rubbing ring mounted within said tub on the side thereof and in adjacent surrounding relation with respect to said dasher plate, means including said vane for causing said dasher plate to grasp the clothes by an angular grasping and slipping contact therewith, means including said rubbing ring contacting the clothes for discharging the clothes from said dasher plate, and means including the coaction of said two last-mentioned means for moving and rearranging the clothes in a substantially circular upstanding path in said tub.

2,596,981
METHOD FOR NITRIDING METALLIC SURFACES
Roy L. Chenault and Gerald E. Mohnkern, Oil City, Pa., assignors to United States Steel Company, a corporation of New Jersey
Application October 5, 1949, Serial No. 119,728
8 Claims. (Cl. 148—16.6)



1. A method or nitriding surfaces of metallic articles which comprises confining the surface of a metallic article and a capsule containing liquid ammonia in approximately the amount of 5 to 12 grams per square foot of said surface in a sealed space, and heating said surface and said capsule to a temperature approximately between 800° and 1200° F. and thereby releasing ammonia from the capsule as a vapor, but confining this vapor within said sealed space.

2,596,982
FOOT VALVE STRUCTURE FOR TELESCOPIC SHOCK ABSORBERS
Harry L. Chisholm, Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 26, 1947, Serial No. 737,362
9 Claims. (Cl. 277—45)

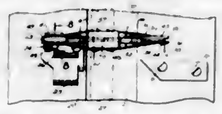


1. In combination in a foot valve construction, a valve cage body having a port therethrough of substantial diameter, a valve member normally closing said port and having a skirt portion of smaller diameter than said port extending therethrough, an orifice through said valve member to the interior of said skirt, a valve element within the chamber provided by said skirt normally closing said orifice, abutment means carried by the inner end portion of said skirt, a compression spring engaging said abutment means and said orifice-closing valve element, and means for controlling the port-opening movement of the valve member including arms projecting laterally beyond said skirt and opposing an oppositely directed stationary portion of said cage body.

2,596,983
ELECTRIC SWITCH
Paul M. Christensen, West Orange, N. J., assignor to Federal Electric Products Company, Newark, N. J., a corporation
Application January 7, 1950, Serial No. 137,401
19 Claims. (Cl. 200—162)

1. A switch contact member comprising a pair of blade members having spaced confronting end portions at the opposite ends, respectively, of said

contact member, and resilient means carried by said blade members, said means being common



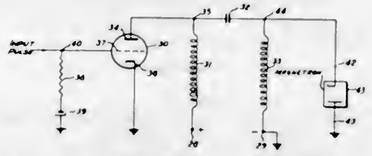
to both of said opposite ends for concomitantly biasing said end portions at both said opposite ends, respectively, toward each other.

2,596,984

PULSE SYSTEM

Jackson H. Cook, Morristown, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application February 19, 1945, Serial No. 578,763
11 Claims. (Cl. 320—1)



1. Electrical apparatus comprising electrical energy storage means, a power supply, a load including an electron tube having at least a cathode and an anode connected directly to a point of reference potential, means coupled to said power supply for effecting the storing of energy in said electrical storage means, a switching means for effecting the transfer of at least a portion of the energy stored in said electrical energy storage means to said load; and means for connecting one side of said power supply and one side of said switch means to the same point of reference potential as the anode of said electron tube.

2,596,985

FATTY ACID POLYGLYCOL-ALIPHATIC AMINE COMBINATIONS USEFUL AS TEXTILE SOFTENERS AND PROCESS FOR PRODUCING THE SAME

Alton A. Cook, Glen Ridge, and Ira Sapers, Newark, N. J., assignors to Arkansas Company, Inc., Newark, N. J., a corporation of New York

No Drawing. Application December 20, 1949, Serial No. 134,149
9 Claims. (Cl. 252—8.75)

1. A process of preparing textile softeners which comprises heating a high molecular weight saturated fatty acid, said fatty acid having 16 to 26 carbon atoms, with a polyalkylene glycol at 100° C. to 140° C. for about 1 to 4 hours, and then heating the reaction mixture with a water soluble aliphatic amine at 140° C. to 180° C. for 1 to 3 hours, said amine being selected from the group consisting of the water soluble primary and secondary alkanolamines and the water soluble polyalkylene polyamines.

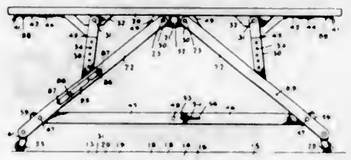
2,596,986

ADJUSTABLE MEANS FOR HOSPITAL TABLES

Cecil Claud Curtis, Washington, D. C.

Application June 8, 1948, Serial No. 31,679
8 Claims. (Cl. 280—41)

1. A table of the character described comprising top sections hinged together for movement upwardly or downwardly relative to a common horizontal plane, a relatively immovable section between said top sections, standards pivoted at their upper ends to the relatively immovable section adapted to swing outwardly and downwardly beneath the relatively movable sections, braces hinged to the underside of the movable sections adapted to depend to the standards, and means for adjusting the braces in any of a number of positions on the standards to correspondingly fix the positions of the movable sections with reference to said immovable section, in com-



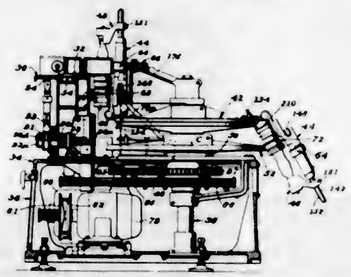
bination with rollers at the lower ends of the standards, and connections movably related to said rollers and to the standards to effect uprighting of the rollers in keeping with the inward swinging of the standards from their inclined positions, said last-mentioned means being mounted and arranged to present the roller supports in approximately vertical position at an angle to the standards when the latter are in their inclined positions and in approximately vertical alignment with the standards when in their folded positions.

2,596,987

MIXING APPARATUS AND METHOD

Carl L. Day and Leo F. Pahl, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application November 12, 1949, Serial No. 126,731
23 Claims. (Cl. 259—54)



1. In a mixing apparatus, a base, a table rotatable with respect to said base about a vertical axis, container supports mounted on the periphery of said table and tiltable vertically between upright and inverted positions radially of the table, said container supports including upper and lower rotary container clamping members, means carried by said base to deliver containers to and remove them from said supports, a disk below and coaxial with said table, said disk being rotatable with respect to said base, the lower container clamping member including a wheel adapted to contact with said disk when the container supports are substantially inverted, means to rotate said table and disk so that the disk will rotate more rapidly than the table so as to spin a container clamped between said clamping members, and a cam fixed to said base to engage the lower clamping members of said con-

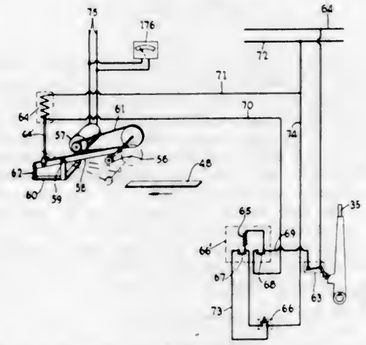
tainer supports to thereby control the position of said container supports, said cam including a horizontal portion extending through the part of the path of rotation of said table during which container supports are upright and opposite said container delivering and removing means, said cam also including a helix portion at each end of said horizontal portion, said helix portions respectively extending throughout the portions of the path of rotation of said table during which said container supports are moving to inverted position and are being restored to upright position, the helix portion which inverts said container supports being more sharply inclined than the helix portion which uprights said container supports.

2,596,988

HYDRAULIC PRESS SPEED CONTROL MECHANISM

Francis J. Katz, now by change of name Francis J. Kent, Forest Hills, N. Y., assignor to Hydropress, Incorporated, New York, N. Y., a corporation of Delaware

Application September 25, 1946, Serial No. 699,130
15 Claims. (Cl. 207—2)



1. In a hydraulic press, the combination including a frame, a hydraulic cylinder on said frame, a ram reciprocable in said cylinder and movable through a working stroke by hydraulic pressure in said cylinder, work forming means on said frame and operated upon by said ram, regulatable fluid supply means for said cylinder, electric voltage producing speed responsive means operable in coordination with the movement of said ram, and means connected to said regulatable fluid supply means and with said speed responsive means operable in accordance with the voltage of said speed responsive means to regulate said fluid supply system whereby the movement of said ram relative to said forming means is maintained constant during each working stroke thereof.

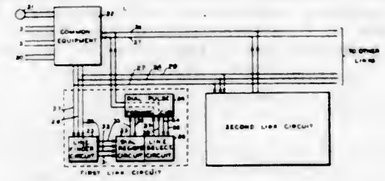
2,596,989

AUTOMATIC ELECTRONIC SWITCHING BY TIME DELAY SIGNAL FOR TELEPHONE SYSTEMS

Edmond M. Deloraine, New York, N. Y., and Paul R. Adams, Cranford, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Continuation of application Serial No. 629,296, November 17, 1945. This application May 17, 1950, Serial No. 162,520
9 Claims. (Cl. 179—15)

1. An exchange system comprising a plurality of channels in excess of two, means for permanently assigning to all said channels different time positions in a time position cycle, means for receiving selective digit signals from any one of said channels and storing said signals, means for receiving and storing energy from said same channel, means responsive to said selective-sig-



nal-storing means for releasing said stored energy at times coinciding with the time positions of the channel represented by said selective signals, and means responsive to said releasing means for applying said released energy to said selected channel.

2,596,990

GLASSWORKING METHODS

Charles W. Doyle, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application November 23, 1949, Serial No. 129,195
5 Claims. (Cl. 49—85)

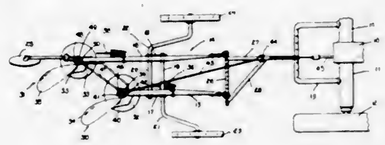
2. The method of forming glass articles, which includes successively feeding a mold with a series of charges of molten glass by depositing each charge of the series on a surface portion of the mold different at least in part from that on which the preceding charge was deposited, and forming an article in the mold following the deposit of each charge therein.

2,596,991

ROTARY DISK TO FACILITATE PLOW PENETRATION

William D. Drummond, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey

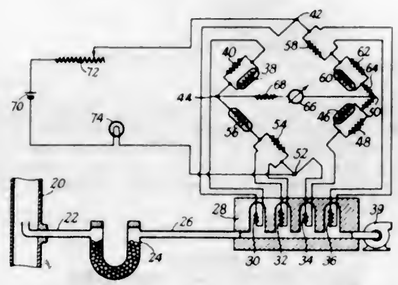
Application October 29, 1947, Serial No. 782,747
3 Claims. (Cl. 97—43)



3. The combination with a tractor having a drawbar and a power take-off shaft of an agricultural implement comprising a wheeled frame connected to the drawbar, laterally and longitudinally spaced plow bottoms carried by the frame, each said bottom having a cutting edge and a moldboard, a vertically extending shaft associated with each said bottom and secured thereto, a horizontal rotary disk mounted on each said shaft parallel to the ground having its forward cutting edge extending in advance of the cutting edge of said plow bottom to open a path

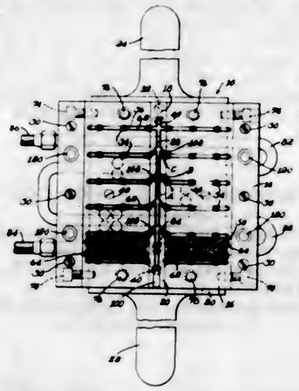
therefor and facilitate its penetration of the soil, and a driving connection between said shafts and the tractor power take-off shaft.

2,596,992
APPARATUS FOR GAS ANALYSIS
John G. Fleming, Tarrytown, N. Y., assignor to Cambridge Instrument Company, Inc., New York, N. Y., a corporation of New York
Application April 7, 1945, Serial No. 587,148
1 Claim. (Cl. 73—27)



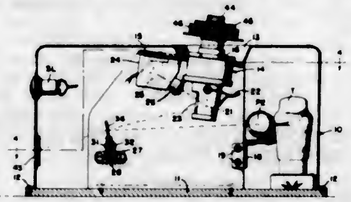
In apparatus for analyzing a gas mixture to determine effectively the concentration of a particular component of said mixture by measuring the variations in the thermal conductivity of said mixture with respect to a reference gas, in combination, a bridge circuit having a pair of input terminals and first, second, third, and fourth arms, said first and second arms comprising one side of the bridge and being connected in series between said input terminals, said third and fourth arms comprising another side of the bridge and also being connected in series between said input terminals, an output terminal in said first side between said first and second arms, a second output terminal in said second side between said third and fourth arms, and an electrical indicating instrument connected between said output terminals, said first arm comprising a relatively low resistance sensitive element adapted to be immersed in the gas mixture and connected in series with the parallel combination of a current control resistor and a relatively high resistance reference element adapted to be immersed in the reference gas, said second arm comprising a relatively low resistance reference element corresponding with said first-arm sensitive element and adapted to be immersed in the reference gas and connected in series with the parallel combination of a current control resistor and a relatively high resistance sensitive element corresponding to said first-arm reference element and adapted to be immersed in the gas mixture, said third arm comprising a relatively low resistance sensitive element adapted to be immersed in the gas mixture and connected in series with the parallel combination of a current control resistor and a relatively high resistance reference element adapted to be immersed in the reference gas, and said fourth arm comprising a relatively low resistance reference element corresponding with said third-arm sensitive element and adapted to be immersed in the reference gas and connected in series with the parallel combination of a current control resistor and a relatively high resistance sensitive element corresponding to said third-arm reference element and adapted to be immersed in the gas mixture.

2,596,993
METHOD AND MOLD FOR COVERING OF EYELETS BY PLASTIC INJECTION
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 13, 1949, Serial No. 70,764
5 Claims. (Cl. 18—36)



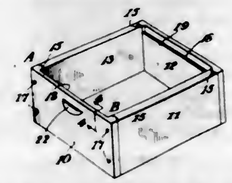
1. A mold for covering flanges of eyelet blanks comprising separable mold blocks arranged to hold the barrels of eyelet blanks in spaced relation and near the parting plane of said mold blocks and with the flanges free of contact with the mold, said mold blocks when in juxtaposition defining a distribution pattern including a sprue passage communicating at various distances from the point of injection with runners leading toward the zones for holding the eyelet blanks, the intersection of the sprue passage with one of the less remote of said runners defining a path of flow around an angle of less than 90°.

2,596,994
FLUXMETER ALARM
Ernest R. Haberland, Washington, D. C.
Application December 9, 1944, Serial No. 567,504
8 Claims. (Cl. 250—230)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



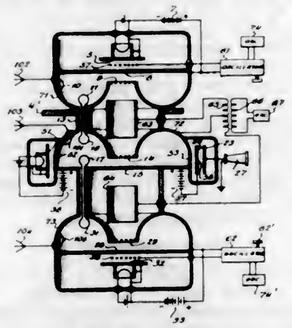
8. In a system for detecting electrical signals of a predetermined magnitude and of different polarity, the combination of a movable mirror, means for casting a beam of light on said mirror, means responsive to said signals for moving said mirror from a null position to a moved position in either direction from said null position variably in accordance with the instantaneous polarity and magnitude of said signal, photo-electric detecting means, reflecting means for projecting the light beam reflected from said mirror on said photo-electric means when said mirror has moved a predetermined angle in either direction from said null position, and means for adjusting said reflecting means to simultaneously vary the magnitude of the angles through which said mirror must move in both directions from said null position to cause the light beam to impinge upon said photo-electric means and actuate the latter.

2,596,995
BEEHIVE SUPER
Robert Parker Hamilton, River Edge Manor, N. J., assignor of one-half to Edward C. Wheaton, Rutherford, N. J.
Application May 28, 1947, Serial No. 750,924
7 Claims. (Cl. 6—1)



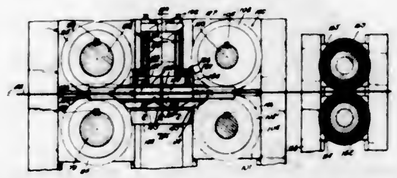
1. A beehive super comprising two U-shaped side members and two straight side members, the extremities of a portion of each said U-shaped side members having an outwardly extended tapered wedge-shaped tongue, and the extremities of a portion of each said straight side member having an inwardly extended tapered wedge-shaped groove, each said groove being vertically disposed and being adapted to removably receive the said tongue of the adjacent U-shaped side member.

2,596,996
HIGH-FREQUENCY SUPERREGENERATIVE APPARATUS
William W. Hansen, deceased, late of Stanford University, by Olive D. Ross, executrix, Palo Alto, Russell H. Varian, Stanford, and Sigurd F. Varian, Menlo Park, Calif., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif.
Continuation of abandoned application Serial No. 681,096, July 2, 1946, which is a division of application Serial No. 218,064, July 8, 1938, now Patent No. 2,406,370, dated August 27, 1946. This application July 15, 1950, Serial No. 174,028
18 Claims. (Cl. 250—20)



1. High frequency superregenerative receiving apparatus, comprising means for producing an electron stream, a cavity resonator coupled to said stream and excited by a received wave, a second cavity resonator coupled to said stream, means for intercoupling said cavity resonators to produce self-sustained regenerative oscillations in said second resonator, means for detecting changes in the amplitude of oscillations of said second resonator, and means for periodically varying the current of said stream at a periodicity less than the time required for said second cavity resonator to build up oscillations therein.

2,596,997
CUTTING AND FORMING MACHINE
Clair Harter, Gurnee, Ill., assignor, by mesne assignments, to Flex-O-Glass, Inc., a corporation of Illinois
Application September 21, 1945, Serial No. 617,812
28 Claims. (Cl. 153—2)



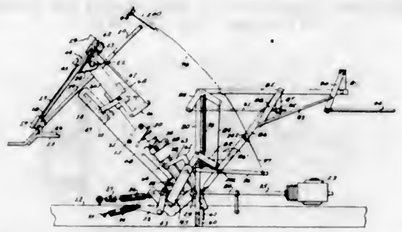
4. In a cutting and forming machine for producing a mesh fabric from a sheet: a first mechanism operable to feed a sheet through the machine at a continuous and uniform linear rate, to cut in the sheet a regular pattern of slits extending transversely of the sheet and to displace the sheet at each slit in opposite directions out of the plane of the sheet; a second mechanism for acting upon the sheet after it has been slit and displaced at the edges formed by a slit operable while the sheet moves continuously at a uniform rate to impart additional displacement uniformly to each half of each lower element to complete the conversion of the sheet into an open-mesh fabric; and means for actuating said first and said second mechanisms in coordinated relationship.

20. In a machine for producing louvered fabric from a sheet, means for slitting a sheet to form longitudinally extending columns of narrow transversely extending louver elements and for providing each louver element with a flange along at least one longitudinal edge to strengthen the louver element against bending comprising a pair of cooperating rotary parts mounted on parallel axes, each part being composed of a plurality of circular toothed elements, each tooth of each element having a cutting edge face, a backing face and a peripheral face of a width corresponding to the width of the flange to be formed on the longitudinal edges of each louver element, the elements constituting one of the parts being reversed from the elements constituting the other of the parts so that the cutting edge face of the teeth is the leading face in one of the parts and the lagging face in the other of the parts, and the peripheral face of the teeth in which the cutting edge face is the leading face sloping radially outwardly from the cutting edge to the backing face.

2,596,998
VEHICLE BRAKE AND THROTTLE OPERATING MECHANISM
Marion Van Hilson, Lockland, Ohio
Application October 6, 1950, Serial No. 188,334
5 Claims. (Cl. 192—3)

1. Combined brake and throttle control mechanism for an automotive vehicle comprising a foot

pedal, means pivotally connecting said pedal at one end to a fixed support, a first bar pivotally connected at one end to said pedal near the free end of the latter, a pivotally mounted first bell crank, means connecting one end of said first bell crank to vehicle brake mechanism, a second bar pivotally connected at one end to the other end of said first bell crank and slidably associated with said first bar, latch means carried by said first bar and engaging said second bar for interlocking said first and second bars to operate the vehicle brake means when the free end of said pedal is depressed, a lever pivotally mounted on said first bar and connected to said latch means



for disconnecting said first and second bars, a foot engageable plunger carried on said first bar and connected to said lever for moving the latter to disconnect said first and second bars when said plunger is depressed, a second pivotally mounted bell crank, means connecting one end of said second bell crank to the vehicle throttle, a tension spring connected to the other end of said second bell crank, said one end of said second bell crank being disposed in the path of the adjacent end of said lever when the latter is in its bar releasing position for operation of the vehicle throttle by said pedal when said plunger is depressed.

2,596,999

ALTERNATE FEED SWITCH FOR FIREARMS

Edward W. Hopkins, Longmeadow, Mass., assignor to the United States of America as represented by the Secretary of War

Application October 13, 1949, Serial No. 121,084
2 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



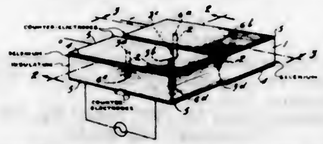
1. In a machine gun, a bolt having a pair of intersecting cam grooves formed along the top thereof, both of said cam grooves having interrupted side walls only at the point of intersection with one another, and a pair of symmetrical members fixedly secured to said bolt, said inserts being provided with a trapezoidal head portion and a pin shaped body portion, said head portion having a vertical thickness equivalent to the depth of said cam grooves whereby the top of said insert lies flush with the top of said bolt, one of the non-parallel sides of each head portion arranged to be in alignment with the side wall of that particular cam groove which intersects the cam groove in which said inserts are secured whereby a continuous path is defined in said cam groove, said pin shaped body portion arranged to extend vertically into said bolt.

2,597,000

METAL RECTIFIER BRIDGE

George G. Hyde, Greenwood Lake, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application September 24, 1945, Serial No. 618,325
14 Claims. (Cl. 175—366)



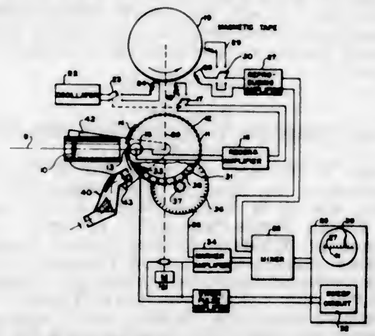
1. A metal rectifier bridge unit comprising a body of insulating material, four metal rectifier elements each having a rectifying face and an opposite conducting face, said elements being carried by the body with said faces in transverse alignment at opposite sides of the body, and connecting members each connecting a pair of aligned faces, arranged to form a rectifier bridge.

2,597,001

FLASH ANALYZER

Bernard M. Jaffe, New York, N. Y.

Application June 9, 1945, Serial No. 598,484
2 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A real gun flash detector comprising means to resolve a flash into its spectrum, periodic means to scan said spectrum, a magnetic tape recorder to record the scanned spectrum, a reproducing head associated with said recorder to transduce said magnetic record into voltage variations, a cathode ray oscilloscope having beam control means, means to generate a sweep control voltage in synchronism with said periodic means, means to impress said sweep control voltage upon said beam control means to deflect said beam along a time base axis, and means to impress the output of said reproducing head upon said beam control and to thereby deflect said beam along another axis.

2,597,002

LIVE BAIT CONTAINER

Edwin L. Johnson and Emory J. Scofield, Ottawa, Kans.

Application January 13, 1947, Serial No. 721,688
2 Claims. (Cl. 43—55)

1. A bait box having its top closed by an elastic covering comprising, sheets of elastic material superimposed one above the other and secured together at their outer mating edges and having parallel slots in each sheet, the slots of one sheet offset from the slots of the other sheet



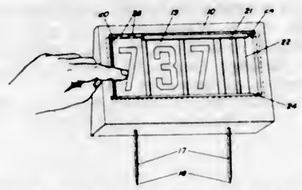
to provide access to any part of the box to remove the bait therefrom and prevent escape of the live bait through the top of the container.

2,597,003

HOUSE MARKER

Andrew Herman Johnson, Shreveport, La.

Application February 4, 1948, Serial No. 6,129
3 Claims. (Cl. 40—125)



1. A display sign comprising a solid body having a recess in one face thereof, a receiving plate having a pair of marginal folds on opposite longitudinally extending edges thereof forming marker plate guides, the guide on one marginal edge terminating short of the guide on the opposite marginal edge for a distance slightly greater than the width of an insertable marker plate whereby a multiplicity of marker plates may be successively inserted into one of said guides and into alignment with the other of said guides and moved to coplanar selected linear position within said guides, the opposite ends of said marginal folds being embedded in the material of said solid body and means adjacent the embedded ends of said marginal folds constituting laterally disposed clean-out slots for the passage of a tool through said guides for freeing said guides of obstructive matter and allowing selected positioning of marker plates in said receiving guides.

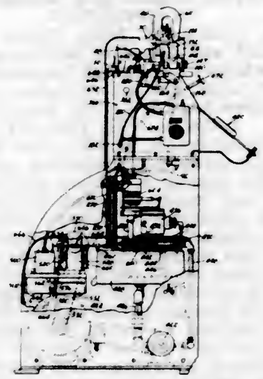
2,597,004

MACHINE FOR USE IN THE MANUFACTURE OF SHOES

Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application September 30, 1946, Serial No. 700,267
91 Claims. (Cl. 12—10.5)

1. In a shoe machine, overlaying devices movable bodily toward each other to lay the marginal portion of an upper inwardly over an insole on a last from the opposite side edges of the insole respectively, and means for controlling said overlaying devices in their operative movements, said controlling means comprising for each of said



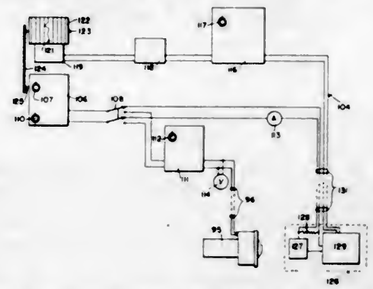
devices a pair of arms mounted for swinging movements about different axes extending heightwise of the last and pivotally connected to the corresponding overlaying device in different locations respectively widthwise of the last.

2,597,005

METHOD OF CALIBRATING MICROPHONES

James M. Kendall, Coral Hills, Md., assignor to Geophysical Research Corporation, New York, N. Y., a corporation of New Jersey

Original application June 4, 1943, Serial No. 489,669. Divided and this application July 1, 1944, Serial No. 543,180
7 Claims. (Cl. 73—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. The method of calibrating an underwater microphone of the pressure type by utilizing a loudspeaker and a microphone of the velocity type having a magnetic structure and a coil associated therewith, which comprises, displacing said magnetic structure a measured distance with respect to said coil, measuring the flux linkages cut by said coil during such displacement, computing from the displacement and flux linkages the response of said velocity microphone in volts per unit of pressure applied thereto when the microphone is immersed in water, submerging said velocity microphone and a loudspeaker a predetermined distance apart in water, calibrating said loudspeaker with respect to said computations, replacing the velocity microphone by

the pressure microphone, and calibrating said pressure microphone with respect to said loudspeaker.

2,597,006

WATER-INSOLUBLE ADHESIVE COMPOSITION

Joseph J. Koenig, St. Louis, Frank G. Erskine, Kirkwood, and Albert R. McManus, St. Louis, Mo., assignors to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application August 13, 1948, Serial No. 44,164
6 Claims. (Cl. 106—154)

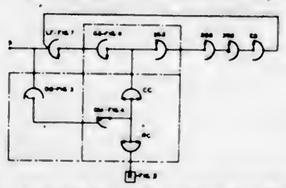
4. A homogeneous, aqueous, fast setting, stable, smooth spreading, laminating adhesive composition for rapidly, effectively and permanently bonding and laminating two or more fibrous sheets of paperboard together comprising the following admixed ingredients: about 665 gallons of water, the temperature of which water is between 85° and 90° F., about 1800 pounds of clay, about 1600 pounds of isolated protein, approximately 128 pounds of potassium hydroxide in about 50 gallons of water, the resultant composition having a pH of about 10.5 to 10.7, the temperature of the composition being held, until consumed, within the range of about 85° to 100° F., and all solid components of the adhesive being of a size less than 45 microns.

2,597,007

COMMON CONTROL CIRCUIT FOR OPERATING SWITCHES REARWARD TO CALLING LINE

Jakob Kruithof, Antwerp, Belgium, and Ladislas Kozma, Budapest, Hungary, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 8, 1947, Serial No. 778,652
In the Netherlands March 31, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 31, 1962
14 Claims. (Cl. 179—18)



1. In an automatic telecommunication system, a plurality of lines arranged in groups, a lesser number of control circuits common to said lines, automatic connecting equipment comprising at least one switching stage for establishing connections between any line and a free control circuit, means independent of said switching stage for taking into use a free control circuit and for sending a characteristic signal indicating to said control circuit the identity of the group of a calling line, and means in the control circuit taken into use and responsive to said signal for selectively operating said automatic connecting equipment.

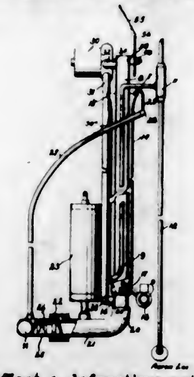
2,597,008

METHOD OF AND MEANS FOR FREEZING ICE IN SMALL MASSES

Aaron Lee and Eli Lieberman, Miami Beach, Fla.

Application May 24, 1949, Serial No. 95,112
4 Claims. (Cl. 62—106)

1. The herein described method which consists of freezing water in a vertical open ended tube of such dimensions as to produce a long, slender column of ice, introducing water from a city water main into the lower end of the tube, subjecting the exterior of the tube to freezing action from a refrigerating coil, subjecting the exterior of the tube to contact with some of the



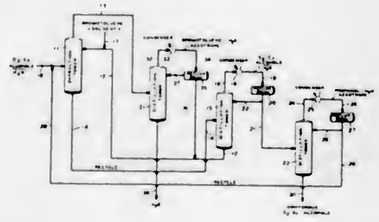
city water to effect a defrosting action under the inherent heat of said city water, storing an elastic pressure exerting medium under the action of the pressure of the city water and ejecting the frozen column of ice forcibly out of the top of the tube under the action of the elastic stored pressure.

2,597,009

DEHYDRATION OF ALCOHOLS

Walter E. Lobo, Westfield, N. J., and George T. Skaperdas, New York, N. Y., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application May 28, 1948, Serial No. 29,764
16 Claims. (Cl. 260—450)



1. A method for separating an alcohol from an aqueous solution which comprises contacting an aqueous solution containing an alcohol having at least three carbon atoms per molecule with at least one liquid solvent selected from the group consisting of a bromotoluene and halogenated non-aromatic cyclic hydrocarbons.

2,597,010

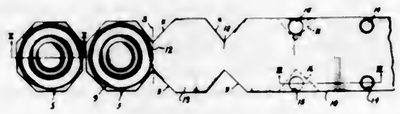
METHOD OF MAKING WHEEL COVERS

George Albert Lyon, Detroit, Mich.

Application June 22, 1948, Serial No. 34,379
4 Claims. (Cl. 113—116)

1. In the manufacture of wheel covers, notching out triangular portions of a strip of sheet

metal at opposite longitudinal sides and with the apexes of the notches in alignment on a line perpendicular to the axis of the strip to provide successive polygonal blanks which are of larger dimension transversely of the strip than longitudinally of the strip, pressing a circular cover form into the endmost blank portion of the strip defined by a pair of notches while utilizing a sub-



stantially uniform marginal portion of such blank as a hold-down area except adjacent to the alignment axis of the adjacent notches where the periphery of the circular form closely approaches the axis and in this region utilizing that portion of the succeeding blank which borders said notch apex axis as part of the hold-down area while the circular formation on the endmost blank is being pressed.

2,597,011

PREPARATION OF STARCH SPONGE

Majel M. MacMasters and Virginia E. Hoaglund, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 28, 1950, Serial No. 176,552
1 Claim. (Cl. 127—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In the preparation of starch sponge for surgical use, the improvement comprising heating a mixture of starch and water to form a paste, freezing the starch paste at about minus 18° C. and at a rate such that the freezing process continues for at least 24 hours to promote the formation of minute, discrete ice crystals, and thawing the resulting frozen starch sponge, the thawing being initially partial, whereupon a thin skin, which formed upon freezing, is peeled from the surface, the sponge being then thawed completely, said starch-water mixture being of the proportions tabulated below, depending upon the particular type of starch used:

Kind of starch	Per cent starch in paste	
	Lower Limit	Upper Limit
Corn	7	10
Potato	9	11
Wheat	7	10

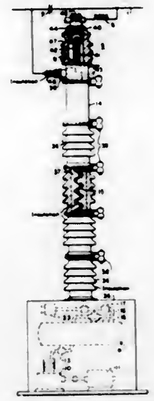
2,597,012

HIGH VOLTAGE PROTECTIVE GAP DEVICE

Ralph E. Marbury, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application August 18, 1949, Serial No. 110,947. Divided and this application October 9, 1950, Serial No. 189,171
16 Claims. (Cl. 313—231)

1. A high-voltage protective gap device adapted to be connected across an electrical device for overvoltage protection, said gap device comprising a first electrode having a hollow therein, a second generally rod-like electrode extending into the hollow of the first electrode and having a central opening therethrough, means for supporting said electrodes in spaced relation to form a gap within the hollow of the first electrode, and means for directing a blast of arc-extinguishing gas into the space between the electrodes to flow through said space and be discharged through the central opening of the second electrode.

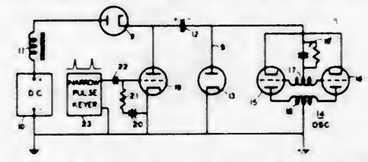


2,597,013

PULSE MODULATOR CIRCUIT

John W. Marchetti, Long Branch, N. J., assignor to the United States of America as represented by the Secretary of War

Application March 3, 1943, Serial No. 477,782
25 Claims. (Cl. 250—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



21. In a system for transmitting pulses of oscillations, an oscillator having an anode and a cathode, a circuit connected in series with said oscillator for producing recurrent short pulses of direct current for energizing said oscillator for generating the ultra-high frequency oscillations, and a unilateral conducting device connected in shunt to the anode-cathode path of said oscillator to provide a conduction path for said device and said circuit in the direction opposite to that provided by said anode-cathode path and said circuit.

2,597,014

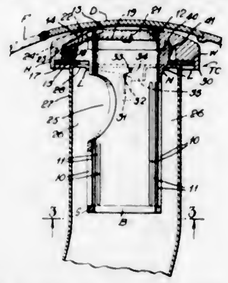
TANK CAP

Frank N. Mariani, Washington Heights, New York, N. Y.

Application August 26, 1949, Serial No. 112,560
7 Claims. (Cl. 220—86)

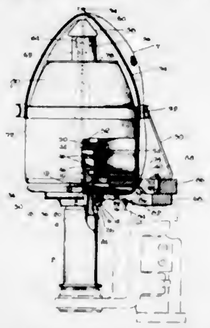
3. A tank cap adapted to receive fuel from a nozzle, comprising; a shell including a cylindrical body having a plurality of vertically arranged and spaced bars and including a relatively large vertical relief opening and including a rim provided with spaced ears, a head in part overhanging said body and secured to the rim

and having a centrally arranged horizontal orifice, fulcrum means carried by said ears, a swingable arm carried by said fulcrum means, a closure at one end of said arm and normally covering said orifice and adapted to be actuated by said nozzle for swinging thereof downwardly into



said relief opening to preclude obstruction of the interior of said shell during discharge of fuel into the latter, and spring means in part surrounding said fulcrum means and cooperating with said arm and head to normally hold said closure within said orifice.

2,597,015
SPINDLE
John W. May, Pendleton, S. C., assignor to Deering Milliken Research Trust, Pendleton, S. C., a nonprofit trust
Application September 13, 1950, Serial No. 184,611
9 Claims. (Cl. 57—58)



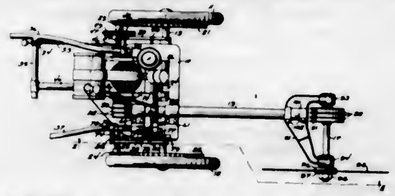
1. In a yarn twisting device comprising a spindle provided with an orfice for withdrawal of yarn therefrom and a yarn deflecting device to lead a broken end or tail down to wrap itself around the spindle, the combination of a circumferential groove in the spindle, in which the yarn tail winds up and contains itself upon breakage of the yarn.

2,597,016
PREPARATION OF TRICHLOROVINYLPENTACHLOROCYCLOPENTADIENE
Earl T. McBee and Jack S. Newcomer, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application June 28, 1947, Serial No. 757,947
4 Claims. (Cl. 260—648)

1. A process for the production of trichlorovinylpentachlorocyclopentadiene which comprises heating 5-(1,2,2,2-tetrachloroethyl) pentachlorocyclopentadiene at a temperature between approximately 90 and approximately 180 degrees centigrade in the presence of aluminum chloride and subsequently recovering trichlorovinylpentachlorocyclopentadiene from the reaction mixture.

4. Trichlorovinylpentachlorocyclopentadiene, which is a normally liquid substance having the empirical formula C_7Cl_8, a boiling point of approximately 138 degrees centigrade at a pressure of 5 millimeters of mercury, a density (D_4^{20}) of approximately 1.736 and a refractive index (n_D^{20}) of approximately 1.585.

2,597,017
PORTABLE POWER SAW FOR CUTTING TIMBER OR THE LIKE
Alston R. McKinstry, Brunswick, Ga., assignor to Kut-Kwick Tool Corporation, Brunswick, Ga.
Application May 9, 1949, Serial No. 92,131
7 Claims. (Cl. 143—43)



1. A portable power unit comprising a carriage mounted on wheels, a motor mounted on said carriage, a tool carrying shaft extended from said carriage, tool mounting means on the outer end of said shaft, means driving a tool in the mounting means from the carriage, means turning the shaft and tool mounting means through an angle of 90°, means locking the tool mounting means in adjusted positions, and spring actuated toggle levers pivotally mounted on the carriage for frictionally holding the said tool mounting means in adjusted positions.

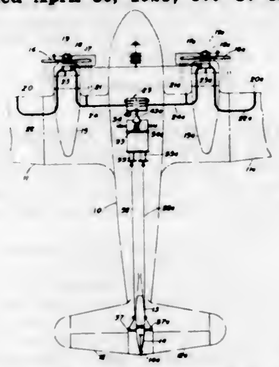
2,597,018
LUBRICANT
Robert L. Merker, Washington, D. C., and Curtis R. Singleterry, Arlington, Va.
No Drawing. Application May 18, 1948, Serial No. 27,814
8 Claims. (Cl. 252—42.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A thickened lubricating composition comprising a lubricating oil and up to about 45% by weight of a phthalocyanine dispersed therein in a proportion sufficient to cause gel formation in the oil.

2,597,019
NUTRIENT ADJUNCT FOR THE PREPARATION OF STREPTOMYCIN
Wendell W. Moyer, Camas, Wash., and William F. Allen, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application July 1, 1947, Serial No. 758,480
2 Claims. (Cl. 195—100)

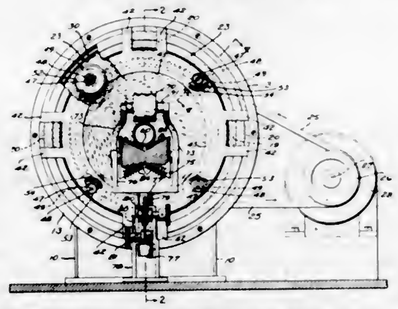
1. A nutrient composition for the growth of streptomycin-producing microorganisms, which consists essentially of soybean meal and, as a growth-promoting and streptomycin-production stimulating factor, a mixture of mono-amino, mono-carboxylic amino acids obtained from a neutralized and concentrated protein hydrolyzate selected from the group consisting of corn, wheat and soybean protein hydrolyzates, said soybean meal being present in the ratio of 2 to 50 parts by weight, based on the protein content thereof, to 1 part by weight of said amino acids.

2,597,020
CONTROL MECHANISM FOR RUDDER AND PROPELLER FEATHERING CONTROL
James M. Nissen, Los Altos, Calif.
Application October 16, 1945, Serial No. 622,672
8 Claims. (Cl. 244—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



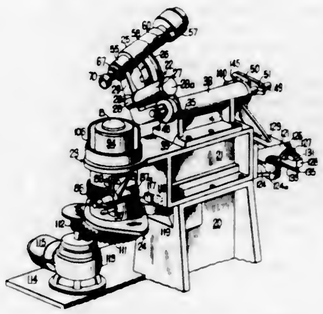
1. In an aircraft having a plurality of laterally disposed engines with propellers driven thereby and a steering control surface, a plurality of impact heads located in the slipstreams of said propellers, respectively, means communicating with said heads and responsive to pressure differentials created by unbalanced thrust forces exerted by the propellers for shifting said control surface to compensate for the unbalancing, and pressure responsive means communicating with said heads and operable upon failure of an engine for feathering the propeller blades of the inoperative engine to reduce the pressure differential on the first-mentioned responsive means.

2,597,021
CENTRIFUGAL SPRAY COATING APPARATUS
Edward O. Norris, Westport, Conn.
Application March 24, 1950, Serial No. 151,632
17 Claims. (Cl. 118—316)



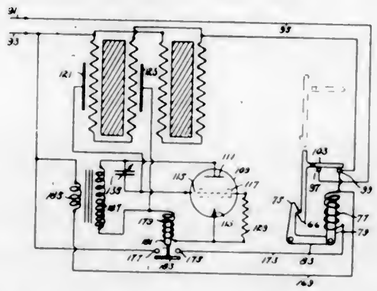
17. A spraying apparatus comprising a rotary collecting case having an open end and an inwardly grooved surface forming an annular channel to retain a spray-forming material, means driving said case at a rate to cause said material to form centrifugally a peripheral layer in said channel, and freely rotatable means comprising a centrifugal distributor having a rotatable disc, said freely rotatable means being mounted to pick up said material from said peripheral layer in said case and project such material as a spray to form a spray zone substantially entirely within said case adapted to spray an object therein.

2,597,022
MACHINE FOR USE IN PRODUCING ONE-PIECE MULTIFOCAL OPHTHALMIC LENS BLANKS
Perry Okey, Columbus, Ohio, assignor, by direct and mesne assignments, to General Lens Co., Columbus, Ohio, a corporation of Ohio
Application January 19, 1950, Serial No. 139,341
18 Claims. (Cl. 51—127)



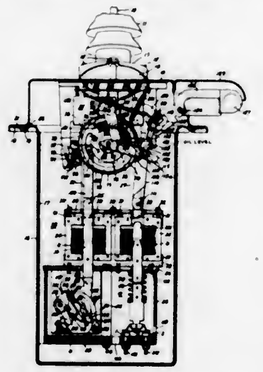
1. A machine for use in producing one-piece multifocal ophthalmic lens blanks comprising a supporting structure, a lens blank supporting unit and a forming tool-supporting unit disposed on said supporting structure, said lens blank-supporting unit including a rotatable spindle, means for supporting said spindle in fixed vertical position, said tool-supporting unit including a rotatable spindle, means for supporting said tool spindle with its axis located substantially in the same vertical plane as said blank spindle, said blank spindle carrying a blank-supporting means on its upper end in fixed position thereon, said tool spindle being disposed above the blank spindle and having a forming tool on its lower end which engages the upper surface of a blank carried by said blank-supporting means, an arm supporting said tool spindle, said arm being carried by a horizontally disposed shaft which is mounted on said supporting structure for rocking movement, said shaft being supported at right angles to said vertical plane in which the tool spindle and lens blank spindle are located and in which said tool spindle will rock, a rocker arm fixed to said shaft, means for rocking said rocker arm, said means including a cam carried by said blank spindle in fixed position thereon for rotation therewith about its fixed vertical axis, and control mechanism between said cam and said rocker arm, said mechanism including a horizontally disposed slide carried by said supporting structure, and a cam following roller carried by said slide for bodily movement horizontally only at right angles to said vertical axis and always in engagement with said cam.

2,597,023
AUTOMATIC ELECTRIC TOASTER
Bror G. Olving, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application August 11, 1948, Serial No. 43,717
21 Claims. (Cl. 99—331)



1. In an automatic electric cooker, the combination with means for initiating a cooking operation, and means for terminating said operation, of, a pair of electric conductors, means for supporting an article of food between said conductors, whereby said conductors and article constitute a capacitive impedance element, means for heating said food for cooking it while so supported, and electric control means responsive to said conductors for actuating said terminating means when the electrostatic capacity between said two conductors attains a predetermined value said control means including an electric impedance element in series with said capacitive element, and also an electronic tube and apparatus controlled thereby operable in response to a predetermined voltage across one of said elements.

2,597,024
CIRCUIT RESTORER
John A. Oppel, Aldan, Pa., assignor to General Electric Company, a corporation of New York
Application April 6, 1948, Serial No. 19,213
4 Claims. (Cl. 200—89)

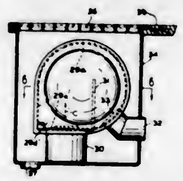


1. An operating mechanism for an electric circuit reclosing device having relatively movable contacts comprising first means responsive to fault currents for opening said contacts, second means for imparting closing movement to said contacts, a rotatable member, means responsive to preselected closely succeeding opening operations of said first means for rotating said rotatable member, means responsive to operation of said second means for rotating said rotatable member, a timing mechanism, resilient means interposed between said timing mechanism and said rotatable member, said resilient means being yieldable to render said timing mechanism ineffective to delay the initial opening movement of said first means when the fault current is in excess of a predetermined value, said resilient means being effective to cause operation of said timing mechanism to delay the opening operation of said first means when the fault current is below a predetermined value, and stop means for establishing a direct mechanical connection between said rotatable member and said timing mechanism after the initial opening movement of said first means when the fault current is in excess of a predetermined value.

2,597,025
POTENTIALLY REACTIVE AROMATIC DIISOCYANATE-WATER RESINOUS REACTION PRODUCT AND METHOD OF PREPARING
George Otto Orth, Jr., Seattle, Wash., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 13, 1947, Serial No. 773,937
9 Claims. (Cl. 260—77.5)

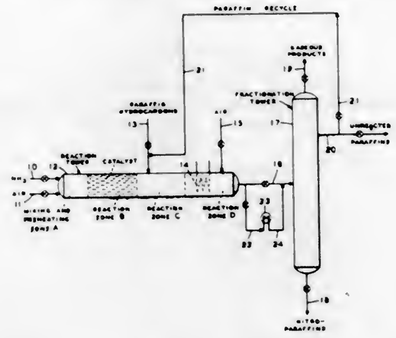
1. A potentially reactive resinous mass formed by reacting one mole of an aromatic diisocyanate with from 0.1 to 0.9 mole of water in the presence of a liquid reaction medium, which is a mutual solvent for both said aromatic diisocyanate and water and which is a compound containing solely carbon, hydrogen, and nitrogen and which will ionize in the presence of water to form a basic material, said reaction medium being employed in the proportion of 0.1 to 10 moles per each mole of the aromatic diisocyanate, and said resinous mass being capable of setting without the application of heat to an infusible, insoluble material upon mixing with water.

2,597,026
HEATED DRUM FOR WARM AIR FURNACES
Paul B. Patton, Shaker Heights, Ohio
Application December 19, 1946, Serial No. 717,219
1 Claim. (Cl. 126—99)



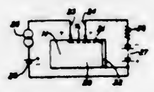
A heat exchanger comprising a chamber having a generally cylindrical wall, two side walls closing the opposite open sides of said cylindrical wall, said side walls being generally convex outwardly, said chamber being positioned with the axis of said cylindrical wall substantially horizontal, a burner positioned at the bottom of said chamber, an exit flue leading out of said chamber near said burner, and a baffle providing a barrier in said chamber between said burner and exit flue, said baffle extending part of the way toward the top of said chamber.

2,597,027
PRODUCTION OF NITROPARAFFINS
Herbert J. Passino, Englewood, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 27, 1947, Serial No. 737,666
8 Claims. (Cl. 260—644)



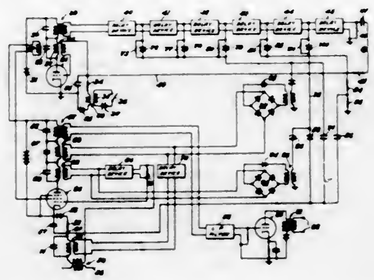
1. The process of manufacturing nitrogen derivatives from paraffin hydrocarbons which comprises the steps of passing ammonia and an oxidizing gas through a heating zone at a temperature between about 800° C. and about 1000° C. and at a pressure between about 10 and about 15 atmospheres in the presence of a catalytic material for a reaction time effective to convert a substantial proportion of the ammonia to nitric acid in the vapor state, contacting the vapors thus produced immediately upon formation with at least one gaseous paraffin hydrocarbon at a temperature slightly below the cracking temperature of said paraffin hydrocarbon to form the corresponding nitroso-paraffin and in an amount in excess of that required to effect substantially complete consumption of nitric acid thus formed, subjecting said nitroso-paraffin to further oxidation at a reduced temperature with an additional quantity of said oxidizing gas to form the corresponding nitro-paraffin, and recovering said nitro-paraffin.

2,597,028
SEMICONDUCTOR SIGNAL TRANSLATING DEVICE
William G. Pfann, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 30, 1949, Serial No. 130,268
15 Claims. (Cl. 175—366)



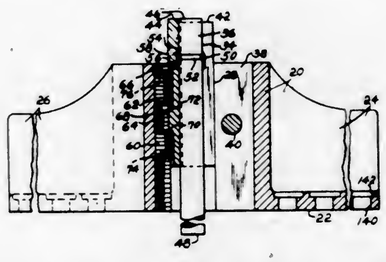
1. A signal translating device comprising a body of semiconductive material having therein a zone restricted in both transverse dimensions of conductivity substantially different from that of the remainder of said body, a base connection to said body, and emitter and collector connections to said zone.

2,597,029
SUPERHETERODYNE RADIO RECEIVER EMPLOYING A MULTIFUNCTION TUBE
Edward D. Phinney, Mount Vernon, N. Y., and Alec Harley Reeves, Reigate, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 21, 1946, Serial No. 698,484
15 Claims. (Cl. 250—20)



4. An amplifier circuit comprising an electron discharge tube, means for selecting and separating from a signal wave time-spaced portions thereof while rejecting intermediately timed portions, and means for recycling each of said selected portions of said signal wave through said tube in a plurality of successive time separated operations before repeating said recycling with a newly selected portion of said signal.

2,597,030
GAUGE
Lambert R. Pistoles, Wilmington, Del.
Application May 29, 1948, Serial No. 30,069
18 Claims. (Cl. 33—169)



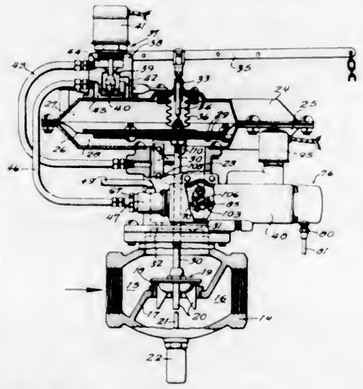
11. In a gage of the flush pin type, a frame having a gaging face, an aperture therein at right angles to said face, a sleeve composed of complementary members divided longitudinally and axially shiftable with respect to one another in said aperture and having end faces, a gaging pin adapted to float freely within said sleeves, and means for securing said members in set relationship with respect to said frame and with their end faces axially spaced an amount equal to the combined tolerances to be gaged, and an indicating surface carried by the end of said pin and extending radially beyond the pin and adapted to cooperate with said end faces to indicate the position of said pin with reference to said end faces.

2,597,031
PORTABLE MORTAR
Raymond Posey, United States Marine Corps
Application June 26, 1951, Serial No. 233,672
8 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



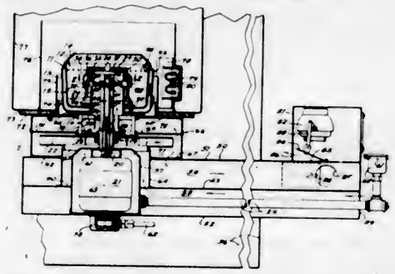
1. In combination in a mortar or the like firearm having a barrel and a firing mechanism housing secured to the barrel, a striker with firing pin and spring mounted in said housing, a sear and means urging the sear into engagement with the striker, movably mounted means for releasing said sear, a connecting rod disposed laterally of and parallel to said barrel and connected at one end to said movably mounted sear releasing means, said connecting rod being of a length extending forwardly a substantial distance along said barrel, means mounting said connecting rod for longitudinal sliding movement, trigger means mounted on said barrel intermediate the ends thereof and spaced a substantial distance from said firing mechanism housing, said trigger means being in operative engagement with the forward end of said longitudinally slidable connecting rod for moving said connecting rod forwardly to move the sear releasing means for firing, and a spring mounted in engagement with said connecting rod for returning the connecting rod and sear releasing means and striker to rearward position.

2,597,032
PRESSURE OPERATED FOLLOW-UP SYSTEM
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application August 23, 1947, Serial No. 770,265
7 Claims. (Cl. 121—41)



1. In a fluid-pressure operated control system: means defining a pressure chamber and including a wall movable between limiting positions in response to change of pressure in the chamber; a source of pressure fluid; first valve means for controlling passage of said pressure fluid with respect to said chamber to effect movement of said wall in opposite directions; second valve means also controlling said passage of pressure fluid; means forming a follow-up connection between said second valve means and said wall whereby movement of the wall effects movement of the second valve means; means normally so conditioning said second valve means that, through said follow-up connection, the second valve means is effective to arrest the wall in a predetermined position intermediate said limiting positions; and means for rendering said conditioning means ineffective so that the wall can then move throughout its full range under the control of said first valve means.

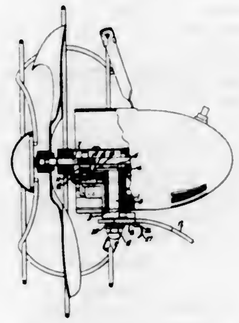
2,597,033
ROTARY OIL BURNER
William R. Ray, Los Angeles, Calif.
Application December 13, 1949, Serial No. 132,687
25 Claims. (Cl. 158—53)



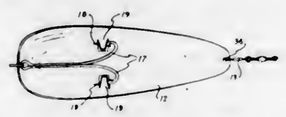
1. A rotary oil-burner, comprising: a hollow structure defining internally a combustion chamber, said structure having an end wall and a side wall generally-circular in cross-section, the structure being open at its end opposite the end wall; means for supplying fuel-oil to said chamber and air for combustion of the oil within the chamber; a motor for rotating said structure about the axis of its side wall at a speed such as to rotate the fire produced in the chamber by said combustion; there being an opening through said side wall of the structure, said opening being small relative to the opening defined by said open end of the structure; and means defining around the outside of said side wall a space where vaporized oil, passing thereinto through said side-wall opening when the structure is rotated, can be ignited to initiate said combustion.

2,597,034
CLUTCH FOR OSCILLATING FANS
George J. Reisch, Devon, and William K. Skolfield, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application October 26, 1950, Serial No. 192,272
3 Claims. (Cl. 230—256)

1. In an oscillating fan having a supporting stand, a fan housing, a driving motor within said housing, a driving shaft driven by said motor, and an oscillating mechanism responsive to the operation of said shaft to oscillate said fan housing through a predetermined angle including a swivel stud rotatably supporting said fan housing on said stand and rotatable both with respect to said housing and said stand, and a driving connection between said swivel stud and shaft to effect oscillation of said stud with respect to said stand, thereby to effect oscillation of said fan housing on said stand when said stud is locked from oscillation and to free said housing from oscillation when said stud is freed to oscillate, and means for locking and releasing said swivel stud to produce and stop the oscillation of said fan comprising a clutch in slidable engagement with said supporting stand, said clutch defining a keyhole slot formed by a circular opening and a juxtapositioned elongated opening, either of which is engageable with said swivel stud, said swivel stud having a pair of oppositely disposed flat surfaces formed thereon to be engageable with said elongated opening, said swivel stud being free to oscillate when said circular opening of said keyhole slot engages said shaft, said swivel stud being locked to said stand when said elongated opening engages said flat surface on said swivel stud to prevent rotation thereof and to produce an oscillatory movement of said fan.



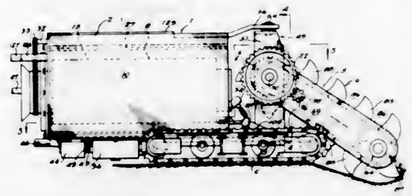
2,597,035
FISHING LURE
William H. Rickard, Denver, Colo.
Application April 17, 1948, Serial No. 21,681
1 Claim. (Cl. 43—42.41)



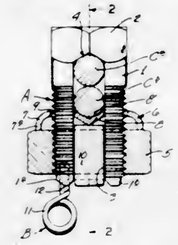
A fishing lure comprising a spoon of sheet material having line securing means at one end and hook securing means at the opposite end, a double gang hook pivotally secured on the latter means, said hook having resilient curved hook ends provided with barbs, said spoon having struck-out portions intermediate the ends of the spoon and on opposite sides of the longitudinal axis thereof, the opening in the struck-out portions facing each other and being a distance from the second means corresponding substantially to the distance from the barbed portion of the hook to the second means whereby the barbed portions may be sprung manually for insertion beneath the struck-out portions and may be sprung manually to release the same from the struck-out portions.

2,597,036
ENDLESS DIGGER TYPE MINE DREDGER
Jonas L. Roe, Boulder Creek, Calif., assignor to Quandro Mining & Equipment Corp., a corporation of California
Application November 1, 1947, Serial No. 783,564
5 Claims. (Cl. 37—192)

1. A dredger including a tractor frame; a gimbal at one end of said frame; upper and lower gimbal supports secured to the frame whereby the gimbal may rotate on a vertical axis; a shaft mounted on said gimbal transverse to the mounting axis thereof; a boom mounted at one end on said shaft; hydraulic means for swinging the boom vertically on said shaft and transversely upon rotation of the gimbal; said hydraulic means comprising a pair of cylinders, a piston for each cylinder, separate hydraulic pumps, and flow lines leading from said pumps through both ends of the cylinders, the said pistons being connected to the boom.



2,597,037
ELECTRICAL CONNECTOR
Kenneth R. Runde, Lemay, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application February 8, 1947, Serial No. 727,342
4 Claims. (Cl. 24—125)



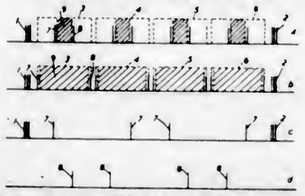
1. An electrical connector comprising a screw-threaded body member having laterally spaced shank portions, an assembly comprising a nut and a washer the nut of which is normally threaded on said body member, said washer being provided with non-resilient fingers which extend downwardly through the bore of the nut and project outwardly so as to underlie the bottom face of said nut, and said washer being provided with openings through which said spaced shank portions of said body member extend when the nut and washer assembly is mounted on said body member, and means providing a connection between said nut and washer assembly and said body member when the nut and washer assembly is dismounted from said body member, said means comprising an element formed of resilient material and having an integral stem portion which is secured to one of said spaced shank portions of said body member and which extends through one of said openings of said washer when the nut and washer assembly is dismounted from said body member, and said element including a coiled portion which is too large to pass through said opening of said washer through which said stem portion extends and which is engaged at its opposite ends and compressed by said fingers of said washer.

2,597,038

TWO-WAY ELECTRIC PULSE COMMUNICATION SYSTEM

Charles Thomas Scully, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application November 9, 1948, Serial No. 59,165
In Great Britain November 19, 1947
10 Claims. (Cl. 179—15)



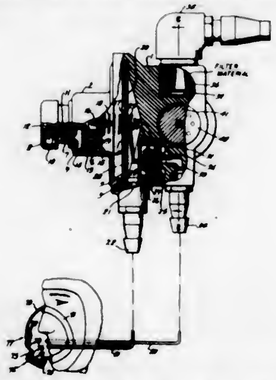
1. A two-way multichannel electric pulse time modulation communication system for operation over a commupication medium common to both directions of transmission, comprising means for dividing the signalling time into a series of equal signalling periods, means for dividing each signalling period into a plurality of channel periods, means for transmitting a train of pulses in each direction for each channel, the said trains of pulses being so timed that at any station of the system a transmitted and a received pulse occur during the corresponding channel period with a predetermined spacing between said transmitted and received pulse in their unmodulated condition, and means for time modulating the pulses of each train to a depth greater than half said predetermined spacing so that at least part of the said channel period is common to the periods of maximum time excursion of the said transmitted and received pulses.

2,597,039

PRESSURE BREATHING DEMAND OXYGEN REGULATOR

Henry Seeler, Dayton, Ohio

Application August 19, 1949, Serial No. 111,293
4 Claims. (Cl. 128—142)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



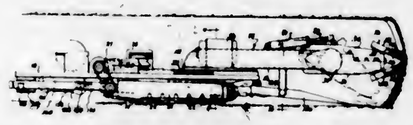
1. A breathing demand oxygen regulator for operative association with a face mask and a container of oxygen under pressure, said regulator comprising a differential pressure responsive means adapted for actuation by the fluid pressure inside the face mask acting in opposition to atmospheric pressure, a pilot valve chamber including a pilot valve passage and concentric pilot valve seat in one wall thereof, a movable pilot valve assembly including a disk valve element inside said pilot valve chamber and spring-pressed onto said pilot valve seat and further including an actuating lever rigidly connected to said disk valve element and extending through said pilot valve passage for actuation by said differential pressure responsive means to open said pilot valve passage upon decrease of said mask pressure, a flexible diaphragm forming one wall of said pilot valve chamber, means providing a passage of predetermined caliber from the oxygen supply container into said pilot valve chamber, an annular oxygen supply valve seat adapted for cooperation with said flexible diaphragm to provide an oxygen supply valve, means providing an annular chamber around said oxygen supply valve seat in communication with the oxygen supply container, and means for conducting oxygen passing by said oxygen supply valve to the face mask.

2,597,040

MINING MACHINE

William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application July 11, 1947, Serial No. 760,377
20 Claims. (Cl. 262—12)



1. In a coal mining and loading machine, a self-propelled main frame, and a coal picking element mounted in advance of said main frame for horizontal adjustment with respect thereto about a vertical axis disposed within the limits of said main frame, and for vertical adjustment with respect thereto a transverse axis for picking and breaking down coal from a solid mine wall without shooting, said picking element including two oppositely moving oscillating picking devices, one of which is disposed above the other and journaled for oscillating movement about upright axes disposed at obtuse angles with respect to each other and positioning said picking devices to engage the coal at penetrating angles, a motor mounted on said main frame, and crank mechanism driven by said motor for oscillatably moving said picking devices and including a separate elastic yieldable drive link operatively connected with each of said picking devices and adapted to increase the force of the blows imparted by said picking devices and to independently yield upon predetermined picking loads on said picking devices.

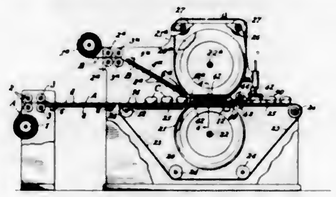
2,597,041

APPARATUS FOR WRAPPING ARTICLES

John S. Stokes, Huntingdon Valley, Pa.; May Margaret Stokes, John S. Stokes, Jr., D. Robert Yarnall, Philip Price, Percy C. Madeira, Jr., and Provident Trust Company of Philadelphia, executors of said John S. Stokes, deceased, assignors to Stokes & Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 27, 1947, Serial No. 737,589
4 Claims. (Cl. 53—65)

1. A machine for wrapping objects comprising, in combination, means for feeding two continuous strips of sheet material in opposed spaced relation to each other, means for simultaneously pressing the strips against and sealing them around successive objects placed therebetween to form a series of individual packages, and suction means for evacuating air from the packages as



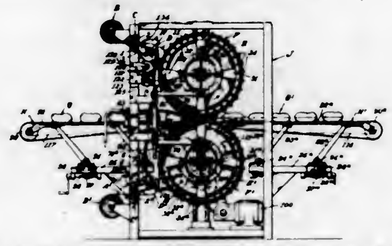
they are successively formed to cause the strips to closely embrace the enclosed objects, said suction means comprising an endless series of suction elements traveling along in timed relation with the advancing objects and cooperating, one after another, with the successively formed packages.

2,597,042

TWO-WEB ROTARY BRUSH WRAPPING MACHINE

John S. Stokes, Huntingdon Valley, and Edgar W. Bleam, Philadelphia, Pa., assignors to Stokes & Smith Company, a corporation of Pennsylvania

Application April 7, 1947, Serial No. 739,858
16 Claims. (Cl. 18—21)



1. A machine for wrapping objects in heat-sealable sheet material comprising, in combination, means for positioning two blanks of such material in opposed relation to each other at the wrapping station, means for heating the blanks to render them sealable, and a pair of cooperating members for simultaneously pressing the two blanks against and sealing them around the object to be wrapped, characterized in that at least one of said members is in the form of a brush whose bristles provide a flexible yielding surface which conforms itself to the object during the wrapping operation.

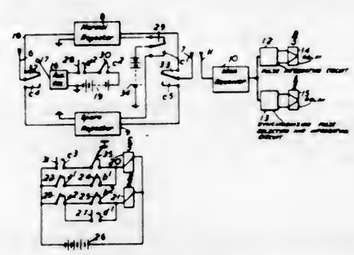
2,597,043

AUTOMATIC REPLACEMENT OF DEFECTIVE REPEATERS IN HIGH-FREQUENCY ELECTRIC COMMUNICATION SYSTEMS

Cyril Gordon Treadwell, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application July 12, 1949, Serial No. 104,306
In Great Britain July 13, 1948
17 Claims. (Cl. 250—15)

1. In an electric communication system comprising a plurality of stations adapted for intercommunication, at least one of said stations including normal signaling equipment and spare signaling equipment and switching means adapted to operate in response to an abnormal signaling condition for replacing the normal equipment by the spare equipment comprising first signal



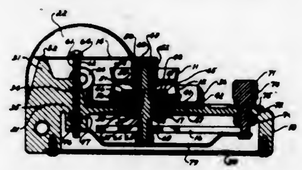
responsive means, and a second signal responsive means including a source of test signals controlled by said second signal responsive means to render said switching means inoperative if the abnormal signaling condition results from a defect in the system at a point other than said one station.

2,597,044

YARN TENSION CONTROL DEVICE

John Warwick, Belleville, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application March 28, 1950, Serial No. 152,391
21 Claims. (Cl. 242—150)



1. A yarn tension control device comprising a pair of members for receiving the yarn therebetween, a support for one of said members having an aperture provided with screw means, means for urging said other member towards said supported member, a screw member cooperating with said screw means and extending through said support and said supported member for engaging said other member, a control arm operable by the yarn passing between said members for rotating said screw member and causing said other member to be moved away from said supported member, and means for resisting operation of said arm.

2,597,045

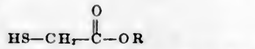
LUBRICATING OILS

Donald Frederick Wilcock, Marblehead, Mass., and Murray M. Sprung, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

No Drawing. Original application January 16, 1947, Serial No. 722,458. Divided and this application June 20, 1951, Serial No. 232,674
8 Claims. (Cl. 252—49.6)

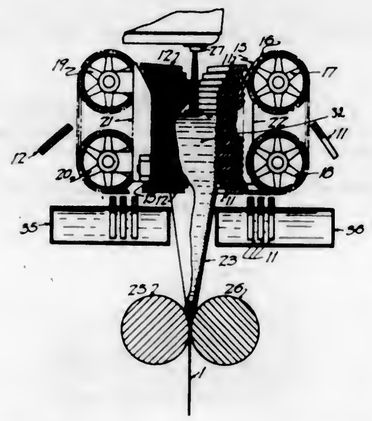
1. A lubricating oil consisting essentially of (1) a liquid polymeric hydrocarbon-substituted

polysiloxane containing an average of from 1.9 to 2.67 hydrocarbon groups per silicon atom, and (2) from 3 to 15 per cent, by weight, based on the weight of (1) of a mixture of ingredients comprising (*a*) a chlorinated saturated aliphatic monohydric alcohol ester of a lower saturated aliphatic fatty acid in which the fatty acid residue contains from two to five, inclusive, carbon atoms, and (*b*) a compound corresponding to the general formula



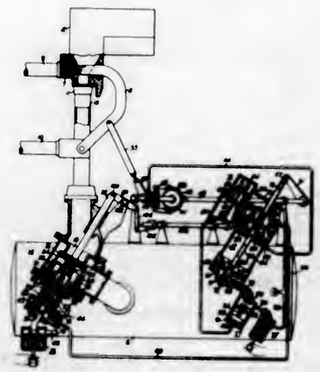
where R is an alkyl group containing from 2 to 8 carbon atoms, the compound (*b*) comprising from 30 to 70 per cent, by weight, of the total weight of (*a*) and (*b*).

2,597,046
METHOD OF PRODUCING TUBULAR AND SHEET METALS
Tadeusz Sendzimir, Woodbury, Conn.
Application June 25, 1948, Serial No. 35,227
9 Claims. (Cl. 22—200.1)



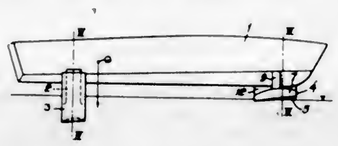
1. The method for continuously producing strip material directly from a mass of molten metal, which method comprises: laterally supporting a mass of molten metal and progressively solidifying a tubular skin thereon against its lateral support by extracting heat from the exterior of the said mass of molten metal substantially uniformly around its entire perimeter; coincidentally withdrawing the said skin in an axial direction away from its initial zone-of-formation while continuing the said solidification and supporting the said skin free of frictional sliding movement relative to its support at least until the said skin has sufficient thickness and strength to withstand such frictional sliding engagement; maintaining the perimetrical dimension of the said skin substantially unaltered during its said solidification to thereby avoid breaks or the formation of corrugations therein during its said axial movement; and continuously flattening the said tubular skin in substantial synchronism with its axial movement by bringing its opposite inner surfaces substantially into contact with each other while the same are sufficiently hot to weld together and maintaining substantially unaltered the perimetrical dimension of the said skin to thereby avoid breaks or the formation of corrugations therein.

2,597,047
CIRCUIT BREAKER WITH INTERLOCKED BLAST VALVE AND CONTACT MOTORS
Chester D. Ainsworth, Wollaston, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 3, 1949, Serial No. 119,284
6 Claims. (Cl. 200—82)



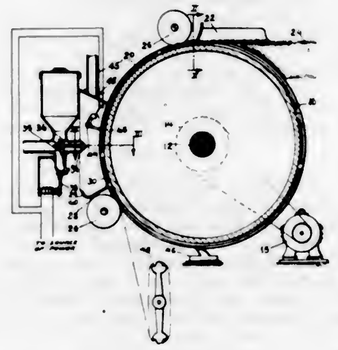
1. In a fluid blast circuit interrupter, the combination comprising: a source of fluid under pressure, separable arcing contacts for establishing an arc, a blast valve for controlling a fluid blast from said source for extinguishing the arc drawn upon separation of said arcing contacts, a first fluid operated motor comprising a cylinder and a piston for actuating said blast valve, a second fluid operated motor arranged to operate in sequence with said blast valve comprising a cylinder and a piston for separating said arcing contacts, valve means for controlling the time at which fluid under pressure is supplied to said second motor, and linkage means interconnecting said valve means and said piston of said first motor for actuating said valve means upon actuation of said first motor.

2,597,048
WATERCRAFT
Bo Karl Loritz Almqvist, Stockholm, and Björn Olof Elgström, Alvsjo, Sweden, assignors to Aktiebolaget Supermarin, Stockholm, Sweden, a corporation of Sweden
Application December 28, 1948, Serial No. 67,602
In Sweden May 24, 1948
3 Claims. (Cl. 114—66.5)



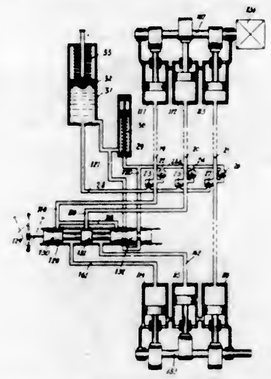
1. In a dynamically supported watercraft with hull rising clear of the water, a dynamic sustaining system comprising at least one hydrofoil and located such that the upwardly directed resultant force of said system is located near to and aft of the center of gravity of the craft so as to carry the main portion of the weight of the craft, and a stabilizer spaced from the hull and located forwardly of the center of gravity at a considerably greater distance therefrom than said sustaining system so as to carry a small amount only of said weight, said stabilizer having a central portion adapted at normal speed to rest on the surface of the water, and lateral portions having upwardly inclined faces extending above the surface of the water when said central portion is resting thereon, the central portion of said stabilizer forming two planing surfaces, one at each side of the longitudinal axis of the craft, inwardly and upwardly inclined plates extending longitudinally of the craft and constructed and arranged to connect said planing surfaces to each other.

2,597,049
APPARATUS FOR AUTOMATICALLY GLAZING ELEMENTS ARRANGED ON FLEXIBLE BANDS, PARTICULARLY FOR COLORING SLIDING CLASP FASTENERS
Ettore Armari, Chiasso, Switzerland
Application March 14, 1950, Serial No. 149,608
In Switzerland March 14, 1949
13 Claims. (Cl. 118—2)



1. Apparatus for automatically coating articles particularly for coloring slide fasteners arranged substantially in the longitudinal central zone of flexible bands, comprising in combination, a rotatable drum, means for controllably rotating the same, said drum having at least one peripheral groove therein for accommodating a flexible band having slide fasteners associated therewith, masking means combined with a portion of the periphery of said drum and including means defining an opening of predetermined dimensions past which opening said band and fasteners pass, spraying means combined with said masking means and including at least one controllable spray nozzle directed toward said opening and through which coloring material is projected, and electro-mechanical means operatively associated with the nozzle and including actuating means disposed adjacent said opening and operable responsive to the passage of said band for controlling the nozzles and thereby the passage of material through said nozzle so that said controllable nozzle is operative upon actuation of said electro-mechanical means to spray material when said band and the fasteners thereon are passing before said opening and inoperative when said band and fasteners are not passing in front of said opening.

2,597,050
HYDRAULIC TRANSMISSION FOR REPRODUCING MECHANICAL MOTIONS AT REMOTE POINTS
Pierre Guillaume Joseph Marie Audemar, La Garenne-Colombes, France, assignor to Olaer Marine, Paris, France, a company of France
Application July 11, 1947, Serial No. 760,481
In Germany June 25, 1942
2 Claims. (Cl. 60—54.5)



1. Hydraulic transmission for the purpose of reproducing mechanical motions at points removed from the locality thereof, which includes: a number of sending cylinders and pistons actuated by a driving shaft, a number of corresponding receiving cylinders and pistons actuating a driven shaft, conduits operatively interconnecting the volumetric portions of the corresponding sending and receiving cylinders, a source of operative medium under pressure filling up said conduits and volumetric portions, a relief-valve-mechanism and its manifold communicating through a pressure regulating valve with said source, an admission-valve-mechanism and its manifold communicating directly with said source, means for short-circuiting said pressure regulating valve with respect to said manifolds, and means whereby the circulation of said medium may involve first only said source, short-circuiting means, manifolds, relief and admission valve-mechanisms and sending cylinders, so as to prevent any rotation of the said driven shaft while the said driving shaft keeps on rotating, and then also said receiving cylinders so as to cause the said driven shaft to rotate in the desired sense.

2,597,051
TEMPORARY BUTTON FASTENER
John Auer, East Norwalk, Conn.
Application July 6, 1944, Serial No. 543,654
4 Claims. (Cl. 24—103)



2. A temporary button fastener comprising a wire pointed at one end and having a backward

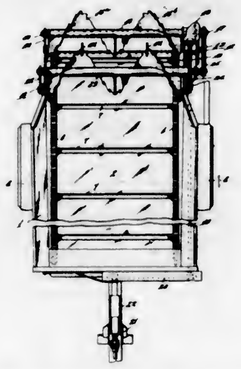
bend upon itself to form a hooked portion, and said wire at the base of the hook extending laterally outwardly and forming a loop adapted to be inserted through a single thread opening in a button, the opposite sides of said loop being laterally spaced and outwardly curved in opposite directions and also resilient and wider than the opening to retain the button on the fastener, and the sides of the closed end of the loop forming a fold with the sides closely together forming a short guiding end portion for easy insertion in the thread opening in the button.

2,597,052

FERTILIZER BEATER AND SPREADER

Eros Valentine Barker, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation of Ohio

Application March 2, 1949, Serial No. 79,284
1 Claim. (Cl. 275—6)



A fertilizer disintegrator and distributor rotor for installation to a vehicle body cross-wise of a discharge end thereof for direct action upon the fertilizer material within the vehicle body as advanced to the rotor to shred and distribute the material from the vehicle body, comprising an arbor, a helical vane fixed to and about the arbor longitudinally thereof and extending diametric therefrom, the vane subdivided into a pair of oppositely directed flights of like dimension, each describing a complete revolution with the inner end of each thereof radially aligned and joined to form a common medial leading edge extending radially from the arbor, the vane for each flight length having a toothed periphery which acts upon the material delivered thereagainst, each tooth in line with the spirality of the section of the vane from which it extends and in plane therewith having a radial edge and a transverse angular edge in relief from the head end of the radial edge with which it joins and directioned toward the outer end of its respective flight.

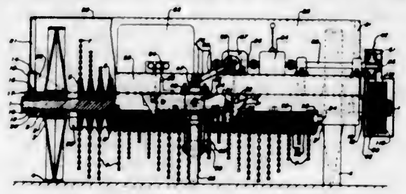
2,597,053

SPROUT DESTROYER

James C. Bartch and George W. Couch, Flat River, Mo.

Application February 23, 1945, Serial No. 579,466
6 Claims. (Cl. 55—118)

1. In a sprout destroyer, a beating reel comprising a shaft, and a series of pairs of dished convex plates fixed to the shaft with their convex surfaces disposed outwardly, each pair having a chain secured to the periphery of the plates



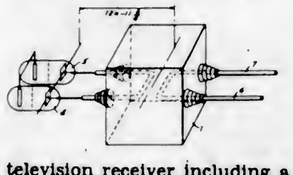
said chains being proportioned and arranged as sprout beating elements.

2,597,054

COUPLING FOR CATHODE-RAY TUBES

Rene Barthelemy, Fontenay aux Roses, France, assignor to Compagnie Pour La Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France

Application March 21, 1946, Serial No. 655,977
In France November 17, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1962
2 Claims. (Cl. 178—7.5)



2. In a television receiver including a cathode ray oscillograph, the combination of means comprising a circuit traversed by image-modulation current, an oscillator producing waves of the order of one meter in length, a modulator connected to said circuit and to said oscillator, so as to modulate the oscillation thereof by the image-modulation current, two wires connected to the output of said modulator and traversed by the modulated oscillations formed by the said modulator, connecting means to the cathode and to the modulation electrode of the said oscillograph, inductive coupling means comprising two parallel bars, the extremities of one of said bars being connected respectively to said wires and the extremities of the other bar being connected to said connecting means, the length of said wires between the said modulator and the said bar connected to said wires being an odd multiple of a quarter of a wave length of said oscillator, and means for detecting the image-modulation in the modulated current furnished by said coupling means.

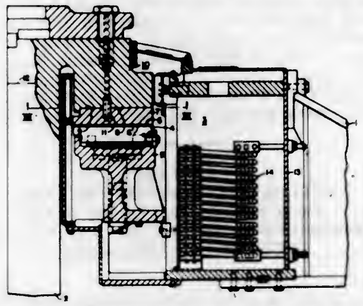
2,597,055

FRETTING CORROSION PREVENTING MEANS

René A. Baudry, Pittsburgh, and Paul R. Heller, Irwin, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 26, 1948, Serial No. 62,166
3 Claims. (Cl. 308—160)

1. A machine having a relatively moving member and a relatively stationary member, one of said members including a pressure-plate which is so related to the other member that there is a variable pressure-reaction or reactions normal to the front face of said pressure-plate, and an abutment-member having a surface against which the back face of said pressure-plate abuts without any relative movement other than the extremely small tangential fretting-movement due to said variable pressure-reaction or reactions, characterized by fretting-corrosion-preventive means including a plurality of spaced cuts or grooves, in the abutting surface of one of said abutting members, for providing in effect



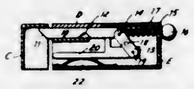
a plurality of supporting-beams having sufficient flexibility at the abutting surfaces so that the tangential displacements due to said fretting-movement do not produce shearing-forces as great as the force necessary to overcome friction and produce relative tangential movement at any point in the abutting surfaces, said beams further having such dimensions that their bending-stress under operating conditions is less than the normal shear-stress on their end-faces.

2,597,056

WINDOW LOCK

Samuel L. Beder, New York, N. Y., assignor to Irwin F. Mills Associates, New York, N. Y.

Substituted for abandoned application Serial No. 633,135, December 6, 1945. This application June 8, 1949, Serial No. 97,805
8 Claims. (Cl. 292—335)



1. A locking device consisting of a case having a fixed pivot extending transversely therein, a knob impelled plunger slidably disposed therein, a rocker lever mounted between its ends upon said pivot and having one end pivotally connected to the inner end of the plunger, a sliding latch bar pivoted to the other end of the rocker lever said plunger having a recess in its under side, a latch bar having a boss on its upper side, a spring adapted to be compressed as said rocker lever swings on its pivot, said boss being adapted to be automatically urged into engagement with the recess of said plunger by the release of tension on said spring.

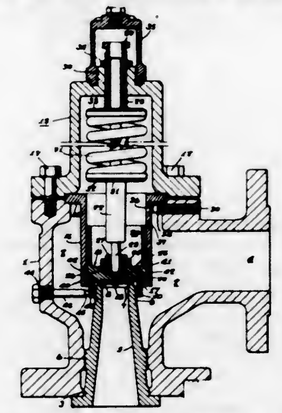
2,597,057

SAFETY VALVE

Theodore W. Bergquist, Willow Grove, Pa., assignor to J. E. Lonergan Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 12, 1946, Serial No. 661,709
2 Claims. (Cl. 137—53)

1. A pressure relief valve comprising a valve body having a main chamber and a valve seat surrounding the inlet opening thereto, a piston movable coaxially with respect to said valve seat into and out of valve closing engagement therewith, tubular guide means for said piston defining therewith a substantially closed chamber at the opposite side of said piston from said valve seat, said guide means having in its inner surface a recess extending circumferentially of piston adjacent said valve seat, said piston having passages therein communicating respectively between said main chamber and said recess and between the latter and said closed chamber to provide communication between said main chamber and the closed chamber only during travel of said piston



between closed and open positions thereof with respect to said valve seat and to shut off communication between said main chamber and closed chamber when said piston reaches said open position, and said guide means having therein a first port arranged so that it is open in all positions of the piston and a second port located in the wall of the guide means immediately adjacent the said opposite side of the piston in the closed position thereof and providing communication between said closed chamber and the main chamber in the closed position only of said piston.

2,597,058

MOTOR VEHICLE BUMPER

Stephen Bircsak, Newark, N. J.

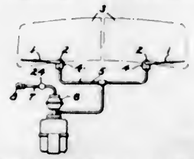
Application July 12, 1947, Serial No. 760,679
3 Claims. (Cl. 293—74)



1. In a motor vehicle bumper, a main bumper body, each end of said main bumper body shaped to form a substantially semi-cylindrical hinge barrel, barrel end closure heads formed in the axial line of said substantially semi-cylindrical hinge barrels, guard arms, substantially cylindrical hinge barrels formed on the inner ends of said guard arms and fitting in said substantially semi-cylindrical hinge barrels, hinge bolts extending through said hinge barrels, springs about said hinge bolts and engaging said main body and guard arms to urge the guard arms into substan-

tially aligning longitudinal relationship with said main body, said ends of said main bumper body having extensions beyond said substantially semi-cylindrical hinge barrels for flat engagement with the inner sides of said guard arms for limiting the hinge movement of the guard arms in one direction and maintaining them in proper longitudinal relationship with the main bumper body.

2,597,059
WINDSHIELD CLEARING DEVICE
Martin Bitzer, Kenmore, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 13, 1946, Serial No. 661,931
8 Claims. (Cl. 299—56)



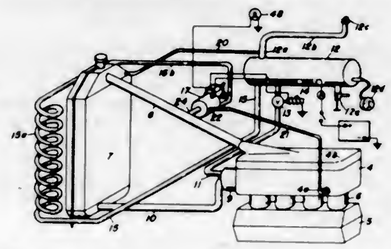
6. A liquid spray system for the windshield of a motor vehicle, comprising a spray nozzle disposed to deliver a spray upwardly onto an associated windshield, a reservoir for the liquid, a pump connected to the nozzle and reservoir and having a fluid displacing member acting in a chamber of the pump to deliver liquid under pressure to the nozzle, said pump having a normally closed pressure relieving valve, means to operate said valve by the fluid displacing member before the end of each liquid expelling stroke to open the same for removing the expelling pressure on the liquid at the nozzle, and a valve acting to hold the liquid between the pump and the nozzle from draining back into the reservoir when said pressure relieving valve is operative.

2,597,060
CHANNELED TUBE LIGHT FIXTURE WITH HOUSED YIELDABLE SOCKET MEANS
Allen O. Boutelle, Jefferson, and Robert C. Kuder, Fort Atkinson, Wis., assignors to Moe Brothers Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application June 12, 1947, Serial No. 754,094
16 Claims. (Cl. 240—51.11)



1. A fixture of the character described for a tube light having terminal prongs, said fixture comprising the combination with a channel base member having lateral flanges, of a ballast mounted on the base member, a first socket plate provided with a substantially unyielding mounting and disposed near one end of said base member between said flanges, a second socket plate provided with a yieldable mounting and disposed adjacent the other end of said base member between said flanges, a closure unit comprising a channeled closure member having flanges complementary to those of the base member and telescopically engaged thereover, socket caps comprising fixed parts of said closure unit and connected adjacent the ends of said closure channel member, each of said caps enclosing one of said socket plates, and the closure channel member coacting with the channel base member to provide a wiring conduit between said socket plates.

2,597,061
AUTOMATIC COOLING SYSTEM
John Burich, San Diego, Calif.
Application February 12, 1949, Serial No. 76,016
3 Claims. (Cl. 123—41.08)

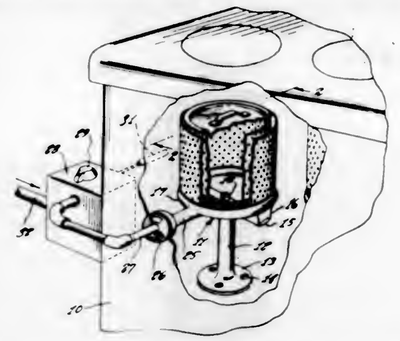


1. In an automatic water cooling system for motor vehicles, the combination of a radiator, engine head and block, having tubular connections therebetween and with a pump for circulating water therethrough; an auxiliary water tank and a tube leading therefrom to said engine block and provided with a solenoid actuated valve; a tubular bi-pass conduit leading from said pump circulatory connections to said tank; a casing interposed in said tubular conduit intermediate the ends thereof and having a waterway therethrough continuous with the passageway of said conduit; a thermostatic bellows valve for opening and closing said waterway and thermally controlled by the temperature of the water passing therethrough; electric switch means connected with said bellows valve and with said solenoid actuated valve and serving to open and close the same contemporaneously with the opening and closing of said bellows valve; and an electric signal light mounted upon the dash board of the vehicle and in circuit with and operated by said electric switch means and serving to indicate when water is flowing out of said tank and into the said head and engine block.

2,597,062
INTERNALLY FIRED SHEET METAL GAS BURNER
Salvatore Cardella, Maspeth, and Harold G. Eriksson, Brooklyn, N. Y.
Application March 10, 1949, Serial No. 80,584
1 Claim. (Cl. 158—99)

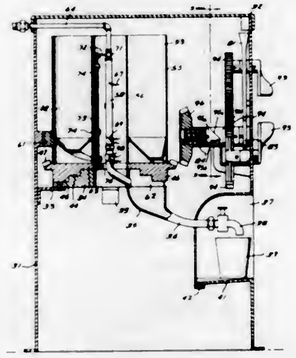
A gas burner unit for stoves comprising a pedestal and a horizontal member, a gas burner manifold ring having upwardly directed ports and depending projections, the latter having recesses receiving the said horizontal member, the latter supporting thereby the gas burner manifold ring, concentric perforated sleeves

supported upon the manifold and extending upwardly therefrom on opposite sides of said ports, and a pivot bolt securing the horizontal member to the pedestal substantially in the center



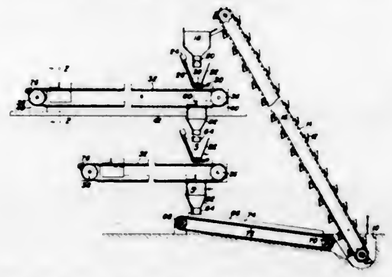
of said gas burner manifold ring and a neck portion extending from the latter, a gas inlet extending into said neck portion, and an adjustable air inlet member about the gas inlet and secured to the neck portion.

2,597,063
COIN-CONTROLLED BEVERAGE DISPENSING MACHINE
George A. Catanzano, Arlington, Mass.
Application December 3, 1947, Serial No. 789,465
3 Claims. (Cl. 225—21)



1. A hot beverage dispensing machine comprising a casing, a supporting plate mounted in the casing, a measuring plate journaled on the supporting plate and having openings therein adapted to measure different quantities of ingredients of the beverage, containers for the ingredients leading to the openings of the measuring plate, operating means for moving the measuring plate in steps, a mixing bowl beneath the supporting plate for receiving the ingredients as the measuring plate is stepped so that its openings are thereover, a hot water device adapted to discharge hot water into the mixing bowl, and means for draining the mixed beverage from the mixing bowl, said measuring and supporting plates being round, outer and inner concentric sleeve formations with partitions extending therebetween defining containers, said formations resting on the measuring plate, means for anchoring the outer sleeve to the casing, and said hot water device being disposed within the inner sleeve.

2,597,064
AUTOMATIC FEEDING SYSTEM
T. Burr Charles and Russell R. Skelton, Durham, N. H.
Application July 15, 1949, Serial No. 105,026
5 Claims. (Cl. 198—85)



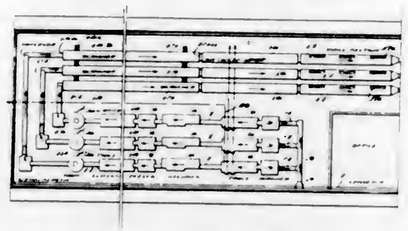
1. A conveyor system for feeders comprising a storage bin, a dispensing hopper, an elevator delivering material from said bin to said hopper, a metering device receiving material from said hopper, an endless horizontal conveyor having upper and lower flights and positioned for receiving material from said metering device upon its upper flight, discharge means for transferring material from the upper flight to the upper surface of the lower flight, means for returning material from said lower flight to said bin.

2,597,065
PROCESS FOR PREPARING AND PRESERVING POTATOES
Henry M. Chase, Nampa, Idaho, assignor to Arthur M. Chase, Nampa, Idaho
Application June 1, 1949, Serial No. 96,421
4 Claims. (Cl. 99—193)



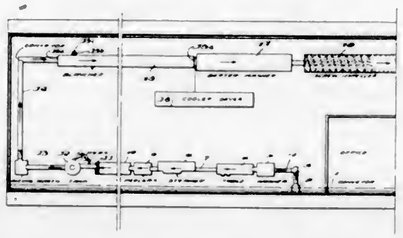
4. A continuous process for preparing and preserving white potatoes, comprising the steps of removing the skin by subjecting the potatoes to steam at 100 pounds steam pressure for one-half to three-quarters of a minute, followed by spraying with ice water at about 80 pounds pressure while gently rubbing the potatoes together, cutting the potatoes to cooking shapes and sizes, treating the cut pieces in an aqueous solution of sodium bisulphite, blanching the pieces with live steam at temperatures ranging from 180° to 210° F. for from 2 to 3 minutes to kill the enzymes, subjecting the blanched pieces to air currents to surface dry them, cooking the potatoes gradually to temperatures of from about 35–38 degrees Fahrenheit, and quick freezing the partially dried, chilled pieces.

2,597,066
PROCESS FOR PREPARING AND PRESERVING FROZEN POTATOES
Henry M. Chase, Nampa, Idaho, assignor to Arthur M. Chase, Nampa, Idaho
Application September 13, 1949, Serial No. 115,498
3 Claims. (Cl. 99—193)



3. A continuous process for preparing and preserving white potatoes, comprising the steps of removing the skin by subjecting the potatoes briefly to steam followed by spraying with very cold water and gentle rubbing, cutting the potatoes to cooking shapes and sizes, treating the cut pieces in a rapidly agitated fresh water bath thus removing excess outside starch to prevent the pieces from sticking together, blanching the pieces with enclosed live steam at a pressure not substantially above atmospheric pressure and at a temperature of 210–250° F. for about three minutes to kill the enzymes and stop oxidation, subjecting the pieces to air currents to surface dry the pieces and reduce their moisture content to 10–15% less than that of freshly cut, untreated potatoes, cooling the pieces to a temperature of 35°–38° F. while circulating air about the pieces to assist in drying, and quick freezing the chilled pieces at a temperature of −20° to −30° F.

2,597,067
PROCESS FOR PREPARING AND PRESERVING POTATOES
Henry M. Chase, Nampa, Idaho, assignor to Arthur M. Chase, Nampa, Idaho
Application September 13, 1949, Serial No. 115,499
2 Claims. (Cl. 99—193)



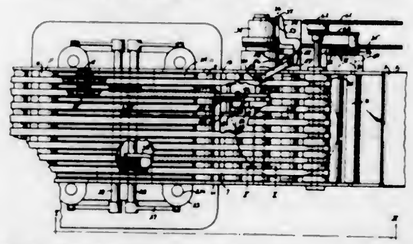
1. A continuous process for preparing and preserving white potatoes, comprising the steps of removing the skin, cutting the potatoes into strips, washing the strips in rapidly agitated fresh water, blanching the potatoes at a temperature of 250°–300° F. for at least three minutes to cook the strips just through, subjecting the cooked strips to air currents to reduce the moisture content, beating the potatoes to a fluffy mass, forming the beaten potatoes into small cubes, and then quick freezing the cubes at a temperature of from −20° to −30° F.

2,597,068
THERMAL OVERLOAD RELAY
Harold E. Cobb, Aurora, Ill., assignor to Furnas Electric Company, Batavia, Ill., a corporation of Illinois
Application September 23, 1949, Serial No. 117,357
2 Claims. (Cl. 200—124)



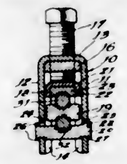
1. In a thermal overload relay, a hollow body having elongated guideways therein open at one end and closed at the opposite end, a plunger movable along said guideways and having therein a laterally open socket and a central recess separated from the socket by an insulating wall while an end of the plunger projects outwardly beyond said guideways through the open end of the latter, a pair of fixed contacts secured to said body and disposed on the opposite sides of said plunger near said socket, a movable contact bar extending transversely of said plunger through said socket and having movable contacts engageable with said fixed contacts to complete an electric circuit, a helical spring confined within said socket and coacting with said bar to urge the latter toward said wall, a solder pot carried by said body and having a heat releasable ratchet wheel disposed within said plunger recess, a resilient pawl frictionally confined within said plunger and cooperating with said ratchet wheel to normally hold said fixed and movable contacts in engagement with each other, and another helical spring interposed between the opposite end of said plunger and the closed end of said guideways for moving said plunger to break the electric circuit under overload conditions.

2,597,069
AUTOMATIC WEIGHING MECHANISM
John D. Conti, Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 18, 1949, Serial No. 77,117
10 Claims. (Cl. 265—27)



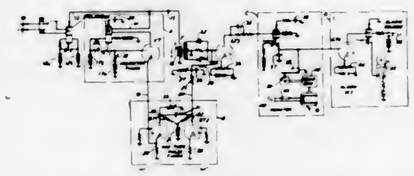
1. In combination, means for conveying something along a path comprising a plurality of parallel, laterally-spaced conveying elements, and means for continuously moving such elements longitudinally, a scale platform, a reciprocable weighing support mounted on the platform and comprising a plurality of spaced strips laterally spaced from the conveying elements, and means for reciprocating the weighing support with respect to the platform between a normal position in which the upper surfaces of the strips are below the upper surfaces of the elements and an elevated position in which they are above the upper surfaces of the elements.

2,597,070
WIRE CLAMP
John Brown Cook and Leonard L. Jugle, Chicago, Ill., assignors to Reliable Electric Company, Chicago, Ill., a corporation of Illinois
Application May 8, 1946, Serial No. 668,107
4 Claims. (Cl. 287—75)



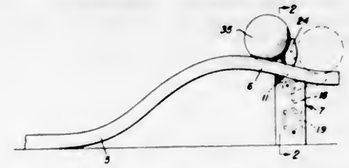
1. A wire clamp comprising a U-shaped body member having inwardly directed flanges on the legs thereof, a bolt passing through the connecting portion of said body member, a pair of slidably mounted clamping jaws having shoulders engaging said flanges whereby said clamping jaws may be confined within said body member, said clamping jaws having portions extending laterally beyond the confines of said body member to provide an increased clamping area, the lower portion of said U-shaped body member being provided with aligned openings, a bridging member removably disposed within said openings, one of said clamping jaws being a composite member positioned for engagement by said bolt and comprising a backing element in the form of a strip of hard metal having bent-down ears and a wire contacting element of comparatively soft metal disposed adjacent said strip, said bent-down ears being in gripping engagement with said wire contacting element to hold the same in place, and constituting the shoulders of said last-mentioned jaw, said bolt engaging said backing element.

2,597,071
SIGNAL MONITORING
Samuel I. Cory, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 14, 1948, Serial No. 44,239
10 Claims. (Cl. 178—69)



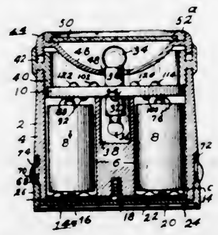
1. A telegraph signal monitoring set for indicating distortion in incoming telegraph signals comprising means for receiving telegraph signals, impulse circuit means responsive to said receiving means for producing a short impulse of fixed amplitude at each transition of an incoming signal, oscillatory circuit means controlled by said receiving means and adapted to produce a series of pulses and synchronized to produce one of said pulses at each of the possible transitions in an incoming signal, circuit means for additively combining said short impulses and said synchronized pulses, and alarm means controlled by said combining circuit upon the occurrence during a predetermined time interval of a predetermined minimum number of additive combinations exceeding a predetermined amplitude.

2,597,072
BOWLING BALL AUTOMATIC RETARDER
Lewis F. Cowgill, Cleveland, Ohio
Application August 23, 1948, Serial No. 45,675
5 Claims. (Cl. 273—47)



1. A bowling ball retarder for ball return racks comprising a fluid check device mounted beneath the rack, an arm pivotally connected to said check device and normally held thereby in an upstanding position, and a spring biased pad rockably mounted at the upper end of the arm and disposed edgewise in the path of a ball entering the rack to retard movement of the ball and actuated by impact by the ball to move the pad out of the path thereof, said pad including upper and lower portions positioned respectively above and below the pivot of the pad, and said pad being rockably actuated by a ball passing thereover independently of the movement of the arm to move the rear portion of the pad upwardly behind the ball, and spring means engaging the pad and having its biasing action increased as a result of the impact by the ball with the pad to rockably actuate the pad in a direction to impart forward momentum to the ball.

2,597,073
FLASHLIGHT HAVING A REVERSIBLE CONTACT PLATE FOR ESTABLISHING EITHER SERIES OR SERIES-PARALLEL CONNECTIONS
James L. Cunningham, Kansas City, Mo.
Application September 12, 1947, Serial No. 773,663
4 Claims. (Cl. 240—10.6)



1. In a flashlight, a case, a plurality of battery cells contained in said case, a set of contacts car-

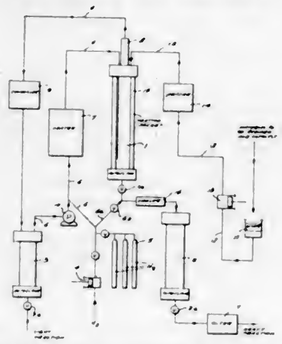
ried by said case for engaging the negative poles of said cells, a member carried reversibly by said case adjacent the positive poles of said cells and said negative pole contacts, a set of contacts carried on each side of said reversible member, either set of which is adapted, by reversing said member, to be positioned to engage the positive poles of said cells and said negative pole contacts, conductors carried by said member and connecting one of said sets of contacts to connect said battery cells in a series circuit, a high voltage lamp in said series circuit, a second set of conductors carried by said member and connecting the other of said sets of contacts to connect said cells in a series-parallel circuit, and a low voltage lamp connected in said series-parallel circuit.

2,597,074

PROCESS FOR REDUCING ORGANIC COMPOUNDS BY HYDROGENATION

Ettore De Bartholomaeis, Milan, Italy, and Vittorio De Nora, Zurich, Switzerland; said De Bartholomaeis assignor to said De Nora

Application May 22, 1948, Serial No. 28,604
11 Claims. (Cl. 260—638)



1. In batch-wise processes for the catalytic hydrogenation of fatty materials under heat and hydrogen pressure the improvement which comprises, maintaining the temperature and the hydrogen pressure in the reaction zone at operating levels between runs as well as during the runs, and continuously during each run introducing hydrogen gases in excess into and through the reaction zone, vaporizing volatile reduction products from the reaction mass while leaving reduced fatty materials in liquid form in the reaction zone, removing the resulting vapors from the reaction zone in admixture with unabsorbed hydrogen gases, condensing and removing the volatile reduction products from the mixture before reintroducing the separated hydrogen again into the reaction zone and when the hydrogenation reaction has gone to completion flowing the reduced fatty materials from the reaction zone while maintaining the same under the hydrogen pressure employed during the reaction.

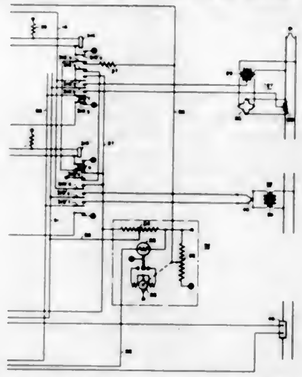
2,597,075

REMOTE-CONTROL SYSTEM

Willard A. Derr, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 10, 1951, Serial No. 210,388
8 Claims. (Cl. 177—351)

8. In a supervisory control system having two stations connected by a signal channel, each of which stations has a plurality of control points and normally reset equipment operable to transmit and receive coded signals for selectively controlling said points, a signalling circuit at each station including a rectifier device connected in series relation with said channel, a balance type telemetering transmitter at one station, a metering receiver at the other station,



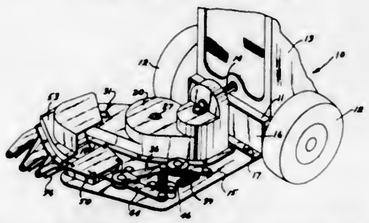
relay means operable in response to selection of said points through the supervisory control equipment to connect the transmitter and receiver across the rectifier devices at said stations, impedance means having a value approximating the impedance of the channel, and circuit means connecting said impedance means across the transmitter when said transmitter is not connected to the channel.

2,597,076

HARVESTING MACHINE

James M. Dietrich, Lititz, Pa.

Application October 26, 1949, Serial No. 123,718
9 Claims. (Cl. 56—27.5)



1. In a harvesting machine including a tractor comprising a bed, ground engaging wheels supporting said bed and a power supply means mounted on said bed; the improvement which comprises an elongated horizontal supporting member mounted on said bed and projecting forwardly of said tractor above the ground, said tractor and supporting member being adapted for movement between rows of plants to be harvested, said supporting member being provided with a horizontal offset portion projecting beyond one side of said tractor and being adapted to extend into the path of one of said rows of plants, a cutting member mounted on said offset portion and extending forwardly thereof, power transmitting means mounted on said supporting member and the offset portion thereof for transmitting power from said supply means to said cutting member, an arm mounted on said horizontal supporting member and extending

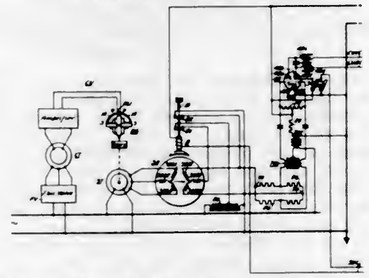
transversely therefrom to occupy a position in front of said offset portion, the extending portion of said arm being provided with a plurality of angularly disposed slots extending inwardly of said arm from the leading edge thereof, and a plurality of inclined flanges mounted on the extending portion of said arm, one each of said flanges extending upwardly from said arm along the edge of each slot nearest said horizontal supporting member and being inclined toward the end of said arm remote from said horizontal supporting member.

2,597,077

CONTROL SYSTEM

George R. Douglas, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 14, 1947, Serial No. 785,987
22 Claims. (Cl. 244—77)



1. Control apparatus comprising, in combination, a polycircuit induction device having a polycircuit stator winding, a rotor, and a polycircuit rotor winding, having terminals adapted for connection to a supply of electrical energy said polycircuit stator winding, means for rotating the electrical field of said polycircuit stator winding, locking means normally locking said rotor and being operable to unlock said rotor, a device to be controlled, means for applying a voltage from said polycircuit rotor winding to said device to be controlled to control said device, control means operable to control said device to be controlled, switching means for short circuiting said device to be controlled and for connecting said polycircuit rotor winding to the supply of electrical energy, and means responsive to said control means for actuating said switching means to short circuit said device to be controlled and for connecting said polycircuit rotor winding to the supply of electrical energy and to simultaneously operate said locking means to unlock said rotor.

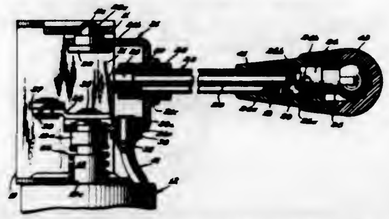
16. In a control for an aircraft, the combination of, turn control means, bank control means and pitch control means, means responsive to said turn control means for controlling said bank control means, piloting means for controlling said turn control means and said pitch control means, a synchro control unit having a stator winding, a rotor and a rotor winding, circuit means for applying a supply of electrical energy to said stator winding, means for rotating the electrical field of said stator winding in dependence of the angular error in course of said aircraft with respect to a predetermined course, means responsive to the electrical output of said rotor winding for controlling said turn control means, and means responsive to said piloting means for rendering the electrical output of said rotor winding ineffective to control said turn control means and for connecting said rotor winding to the supply of electrical energy.

2,597,078

DIRECTIONAL SIGNAL SWITCH

Thomas W. Drury, Sturgis, Nelson H. Weber, Bronson, and Eugene F. Loro, Sturgis, Mich., assignors, by mesne assignments, to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana

Application September 3, 1948, Serial No. 47,734
6 Claims. (Cl. 200—59)



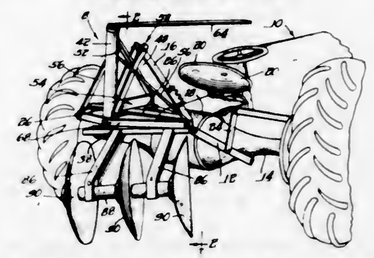
3. In a vehicle turn indicating switch of the type including a frame having an electric switch therein and having a switch operating shaft rotatably supported in said frame for movement between a neutral position and a turn indicating position, the improvement of a U-shaped actuator having one arm adapted to be co-rotatably secured to said operating shaft and the other arm adapted to be rotatably supported by said frame, a lever arm forming a manual operating handle and secured to the bight portion of said actuating member, said lever arm extending radially outwardly from said actuator to pivotally drive said actuator in selected angular direction, a pair of pivotally mounted arms with rollers on the free ends thereof and being carried on one arm of said actuating member, said arms having a resilient link connection therebetween, means to limit the pivotal movement of said arms, an electric light in the end of said lever arm, and circuit means between said switch and said light to energize said light whenever said lever arm actuates said switch to a turn-indicating position.

2,597,079

DISK TILLER

Willard F. Dukes, Jr., Quitman, Ga.

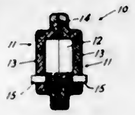
Application June 17, 1950, Serial No. 168,687
2 Claims. (Cl. 97—30)



1. A tiller comprising a hollow upstanding column, an arcuate support, means for supporting said column along the axis of said arcuate support, a plurality of discs, supporting structure for said discs, a pivotal shaft in said column, means for securing said disc supporting structure to said pivotal shaft, means for supporting said movable support on said arcuate support, a handle on said pivotal shaft to pivot said shaft and thereby adjust the angular position of said discs, a cross member secured substantially along a chord of said arcuate support, a pivotal connec-

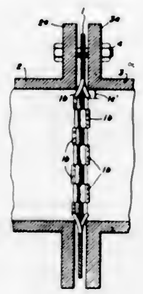
tion at each end of said cross member, and a pivotal connection extending forwardly of said upstanding column, said pivotal connections being adapted to be attached to a conventional three point tractor hitch.

2,597,080
ELECTRIC SWITCH
Mannes N. Glickman, Nutley, N. J.
Application August 31, 1948, Serial No. 47,050
7 Claims. (Cl. 200—152)



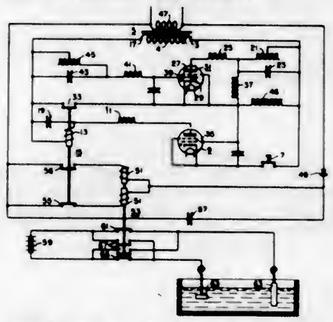
1. A rotatable liquid contact switch body, comprising a pair of juxtaposed dished vitreous members fused together at peripheral contacting portions thereof to form a hermetically sealed chamber therebetween, a terminal mounted in each of said members with one end thereof extending into said chamber and the other end extending exteriorly of the member, and a quantity of liquid electrically conductive material within said chamber.

2,597,081
JOINT FOR WAVE GUIDES
William Melvin Goodhue, Lakeview, N. Y., assignor to Polytechnic Research and Development Company Incorporated, Brooklyn, N. Y., a corporation of New York
Application September 9, 1948, Serial No. 48,457
4 Claims. (Cl. 178—44)



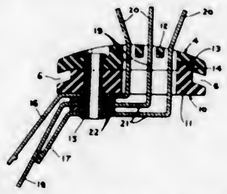
1. In a wave guide for the free transmission of electromagnetic wave energy, a joint for coupling adjacent sections of said guide comprising coupling flanges on adjacent sections of said wave guide, and a gasket formed of a metallic sheet having an opening of a shape conforming with the cross-sectional shape of the wave guide, said gasket being interposed between said flanges and having its inner edge portion extending inwardly a uniform distance beyond the inner wall surface of said wave guide to form a capacitative iris for substantially compensating for the electrical discontinuity of said joint, said inwardly extending edge portion having uniformly spaced linear sections thereof bent out of the plane of said sheet in one direction, and the intermediate linear sections of said edge portion being bent out of the plane of said sheet in the opposite direction.

2,597,082
REVERSE PLATING TIMER
Edward C. Hartwig, Tonawanda, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 2, 1948, Serial No. 57,997
5 Claims. (Cl. 250—27)



1. In combination, a first electron discharge device having an anode, a cathode, and a control electrode and adapted to be connected to a source of current, an energy storage device adapted to be connected between said control electrode and one terminal of said source, a direct current path from the other terminal of said source to said energy storage device, a second energy storage device connected between one terminal of said source and one electrode of said first electron discharge device, a second electron discharge device having an anode, a cathode, and a control electrode and adapted to be connected in circuit with said source, connections between said second energy storage device and the control electrode of said second electron discharge device, a relay in circuit with said second electron discharge device and having contactors, connections between said contactors and said first energy storage device such that said contactors control the charging of said first energy storage device, and connections between said contactors and said first electron discharge device such that said contactors control the continuity of the anode-cathode circuit of said first electron discharge device.

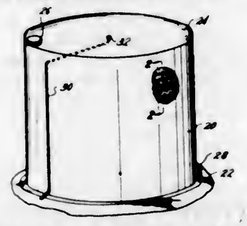
2,597,083
ELECTRICAL SWITCH
Andrew Hood, Arlington, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application March 30, 1948, Serial No. 18,002
1 Claim. (Cl. 200—1)



A single pole double-throw electric switch comprising a body formed of a base member and a cap member of electrical current insulating material, said cap member provided with a recess in its inner face, a lug on said base member fitting into said recess, a single rivet extending through said cap member and base member at a point

remote from said recess and lug to connect said base and cap member rigidly, said base and cap member provided with transversely extending openings therein, strips of electrical current conducting material extending through said openings and beyond the outer surface of said cap section to form connection terminals, said strips of conducting metal being bent to provide parallel extending sections extending substantially parallel to the outer surface of the base section, insulating washers between said parallel sections to hold them in spaced relation, said rivet extending through said washers and parallel sections to connect the strips of conducting metal to the body, said strips of conducting metal extending beyond the parallel portions and shaped to provide contacts.

2,597,084
METHOD OF MOLDING PRESTRESSED CONCRETE STRUCTURES
Julian Huddleston, Los Angeles, Calif.
Application January 13, 1948, Serial No. 2,017
5 Claims. (Cl. 25—154)



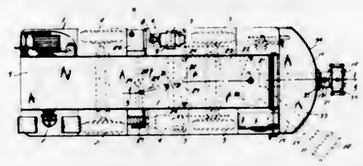
1. A method of forming structures with walls of cementitious material comprising: erecting a form for a wall; erecting said wall; applying a series of endless metal bands around the periphery of the wall; prestressing each band at a plurality of spaced points by applying a predetermined force to the band in a direction normal to the wall; applying blocks between the bands and the wall at each prestressed section of the bands to maintain the preestablished stress of said bands and evenly distribute said stress around the wall; and embedding the prestressed bands and said blocks in a layer of protective material.

2,597,085
EMPLOYMENT OF NONAQUEOUS WELL DRILLING FLUIDS
Delmar H. Larsen, West Hollywood, Calif., assignor to National Lead Company, Los Angeles, Calif., a corporation of New Jersey
No Drawing. Application April 17, 1944, Serial No. 531,494
4 Claims. (Cl. 252—8.5)

1. An oil-base well-drilling fluid containing a natural asphalt of a type and character dispersible in oil and chosen from the group consisting of gilsonite, manjak, glance pitch and grahamite, in an amount sufficient to substantially reduce the filtration loss.

2,597,086
TIMBER SETTING MACHINE
John D. A. Morrow, Sewickley, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application May 10, 1947, Serial No. 747,221
9 Claims. (Cl. 214—95)

1. In a timber setting machine, the combination comprising a portable body, a timber-receiving saddle arranged at one end of said body and having a support adapted to receive a mine timber, elevating means for said saddle for raising the latter vertically along a rectilinear path into a position above said body to bring a timber thereon up against the mine roof, and an adjustable supporting structure carried by said body and projecting outwardly beyond said end of said



body for supporting said elevating means, said supporting structure adjustable relative to said body to move said elevating means both laterally from one side of said body to the other and translationally in a general longitudinal direction inwardly and outwardly horizontally with respect to said body, to locate said saddle in the desired horizontal position relative to said body prior to the elevation of said saddle.

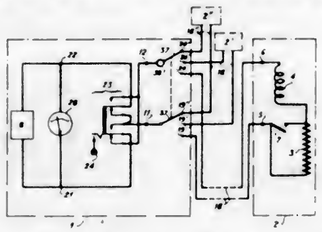
2,597,087
SYNTHETIC RESIN COATED PAPER
William W. Cowgill, Fairfield, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 9, 1951, Serial No. 220,127
4 Claims. (Cl. 117—155)

1. As a new article of manufacture, paper in sheet form having on a surface thereof a thin continuous flexible transparent coating of polymeric material selected from the group consisting of a resinous copolymer of styrene and acrylonitrile in proportions of from 65 to 80 per cent by weight of styrene and correspondingly from 35 to 20 per cent by weight of acrylonitrile and mixtures of from 50 to 95 per cent by weight of said resinous copolymer and correspondingly from 50 to 5 per cent by weight of a rubbery copolymer of butadiene-1,3 and acrylonitrile, said coating being manifested as a highly glossed film so tenaciously adherent to the surface of the paper that when pressure sensitive adhesive tape is pressed firmly upon the coated surface and then pulled suddenly therefrom the paper is split and no separation of the coating from the surface of the paper occurs, the amount of said coating ranging from 0.1 to 3.0 pounds of polymeric material per 1000 square feet of coated surface, said coating being a hot calendered film formed in situ of the solids deposited by drying from an aqueous dispersion of said polymeric material.

2,597,088
MULTICHANNEL TELEMETERING DEVICE
Jean-René H. Dutilh, Paris, France
Application May 8, 1950, Serial No. 160,771
In France May 10, 1949
6 Claims. (Cl. 177—351)

1. A multichannel telemetric device comprising in combination a plurality of measuring sets, a plurality of variable resistance gauges located in said measuring sets and having short-circuiting means responsive to the sense of the current flow, a receiving station, a plurality of two wires lines of variable length and resistance connecting said gauges to said receiving sta-

tion, a constant amplitude direct current generator in said station, said amplitude being independent of the line resistance, an inverter of the direct current polarity, a voltage measurement means adapted to measure the variation of



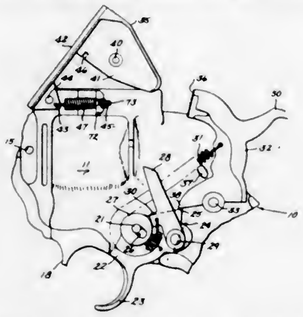
the voltage at the terminals of the generator when the inverter is switched, and switching means for connecting the receiving station terminals to the two wires lines, whereby the voltage variation is proportional to the resistance gauge being connected.

2,597,089

LOADING MECHANISM FOR CAP PISTOLS

Harry F. Everett, Portland, Oreg., assignor to Product Engineering Co., Portland, Oreg., a corporation of Oregon

Application May 22, 1950, Serial No. 163,537
3 Claims. (Cl. 42—57)



1. A toy gun comprising a frame, a magazine adapted to hold a roll of caps, a horizontal pivot connecting said magazine to said frame, a latch bar pivotally mounted on said frame and engageable with said magazine to hold the magazine closed, said frame having an opening through which said latch bar projects to permit manual release thereof, and a coil spring interconnecting said magazine and said latch bar, said spring urging said magazine to swing open about said pivot and also urging said latch bar to remain in latching engagement with said magazine.

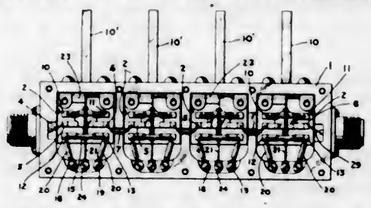
2,597,090

VARIABLE ATTENUATOR

Robert H. Freeman, Millburn, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey

Application May 19, 1949, Serial No. 94,087
6 Claims. (Cl. 178—44)

1. In an attenuator, a housing having a plurality of independent spaced cavities therein, each of said cavities being so proportioned as to provide characteristic impedance of approximately a predetermined number of ohms, attenuation elements in said cavities and independent ground connections between the input and output sides of said attenuation elements and said housing, and a condenser connected to the output side of each attenuation element and



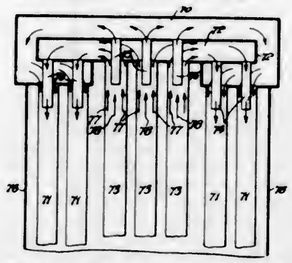
grounded to said housing for decreasing the characteristic impedance of said cavities and a connector between the output of the attenuator elements in one cavity and the input attenuator elements of the successive cavity to connect the elements in all of the cavities in series.

2,597,091

HEAT EXCHANGER

Meyer Frenkel, London, England

Application August 27, 1947, Serial No. 770,924
In Great Britain September 4, 1946
6 Claims. (Cl. 257—238)



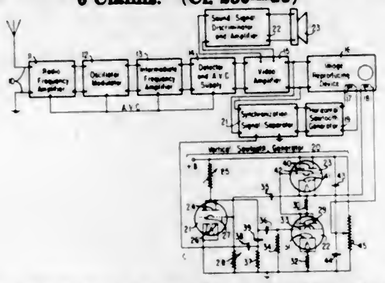
4. In a heat exchanger comprising a plurality of first tubes and a plurality of second tubes forming a bundle, at least one tube-plate at each end of said bundle, a shell surrounding said bundle and forming with said tube-plates a closed space traversed by said tubes, an inlet and an outlet for said space, and a first return bend at one end of said bundle covering the adjacent ends of said first and second tubes, a second return bend arranged within said first return bend, said second return bend communicating with the ends of said first tubes, a plurality of first tube-stumps mounted in and penetrating the wall of said second return bend, said first tube-stumps each extending internally of said second return bend and mouthing into one of said first tubes, each of said first tube-stumps being mounted concentrically with said first tube and being spaced from the wall thereof, and a plurality of second tube-stumps mounted in the wall of said return bend, each of said second tube-stumps extending externally of said return bend and mouthing into one of said second tubes, each of said second tube-stumps being mounted concentrically with said second tube and being spaced from the wall thereof, whereby when in operation with heat exchange taking place between a first fluid flowing through said first and second tubes and a second fluid flowing through said shell about said tubes, the outer and inner layers of said first fluid in said first tubes are guided to flow mutually transposed in said second tubes.

2,597,092

VERTICAL SWEEP GENERATOR

George W. Fyler, Lombard, Ill., assignor to Motorola, Inc., a corporation of Illinois

Application September 19, 1946, Serial No. 698,055
6 Claims. (Cl. 250—36)



1. A generator for producing current of sawtooth wave form including in combination, first and second electron discharge valves of the triode type each having a cathode, a grid and a plate, resistor means, a source of potential having positive and negative terminals, said resistor means being connected to said plate of said first electron discharge valve and to said cathode of said second electron discharge valve, means connecting said cathode of said first electron discharge valve to the negative terminal of said source of potential and said plate of said second electron discharge valve to the positive terminal of said source of potential so that said first and second valves and said resistor are connected in series across said source of potential for direct current flow, an output circuit connected to said cathode of said second electron discharge valve, and means for applying a voltage wave to said grid of said first electron discharge valve so that a sawtooth current wave is produced in the cathode-plate circuit thereof which is applied through said resistor means to said output circuit, said current wave of said first electron discharge valve producing a voltage wave of substantially sawtooth form across said resistor means, means connecting said plate of said first electron discharge valve to said grid of said second electron discharge valve for applying said voltage wave across said resistor thereto so that a sawtooth current wave is produced in the cathode-plate circuit thereof which varies inversely with said sawtooth current wave through said first electron discharge valve and which has substantially the same amplitude, said current wave through said second electron discharge valve being applied to said output circuit in opposite phase with respect to said current wave from said first electron discharge valve so that said current waves are in effect additive to produce a sawtooth current wave in said output circuit having an amplitude substantially equal to twice the amplitude of said sawtooth current wave in each of said valves.

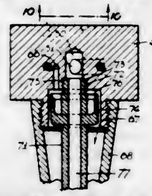
2,597,093

MIXING NOZZLE FOR DISPENSING APPARATUS

Sam A. Gottlieb and Max Gottlieb, Philadelphia, Pa.

Application September 4, 1947, Serial No. 772,026
1 Claim. (Cl. 299—115)

A device for dispensing apparatus for mixing carbonated water and syrup comprising a member having a depending annular flange defining a recess in the bottom wall of said member, outlet passages for each of the two fluids opening into said recess, an elongated discharge tube secured to said member and depending coaxially interiorly of said recess and having an axial bore therethrough communicating at one end with the outlet passage for the carbonated water, an annular cup coaxial with and substantially occupying said recess surrounding said tube arranged in registry with the outlet passage of the other fluid, said cup and the side walls of



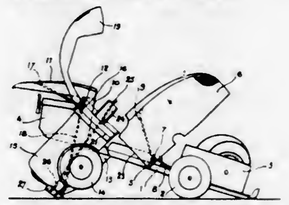
said recess operable to impart a swirling movement to the fluid discharged therefrom, a discharge nozzle releasably secured to the annular flange portion of said member and coaxially surrounding said discharge tube and cup, the outer end of said discharge tube terminating inwardly adjacent the outlet opening of the nozzle, and radially inward projecting elements circumscribing the nozzle outlet opening and operable to break up and intermix fluids discharged therethrough.

2,597,094

IMPACT OPERATED TOY

Paul M. Gutmann, Paris, France

Application March 7, 1950, Serial No. 148,039
In France July 22, 1949
4 Claims. (Cl. 46—206)



1. Toy automobile convertible by a shock, which comprises two elements, means pivotally connecting said elements together, a front and a rear automobile section respectively carried by said elements, a spring secured to one element tending to cause relative pivoting of the elements, swinging doors secured to one of said elements and retaining said elements in alignment against the action of said spring, bearing means for said doors inwardly thereof, a bumper in front of the automobile and rods rigid with said bumper engaging said bearing means adapted to cause the doors to open as a result of a shock, and enable the spring to effect dislocation of said pivotally connected elements.

2,597,095

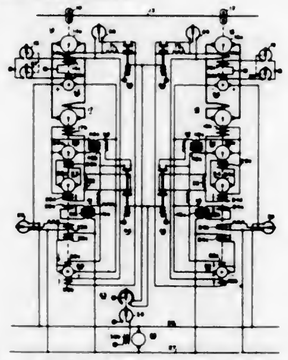
MOTOR CONTROL SYSTEM

Edwin L. Harder, Loren F. Stringer, and Raymond W. Moore, Pittsburgh, Pa., and Robert I. Greenwood, Montrose, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 29, 1950, Serial No. 171,138
9 Claims. (Cl. 318—72)

1. A control system for a plurality of roll stand motors of a tandem mill wherein each roll stand works on a continuous strip of material compris-

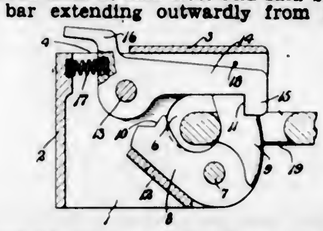
ing, a main generator individual to each motor connected to supply electrical energy thereto, a main exciter individual to each main generator connected to supply field excitation thereto, a regulating generator individual to each main exciter, said regulating generators being connected to supply field excitation to their respective main exciters and each regulating generator having a plurality of field windings, a pilot generator connected in driving relation with each roll stand motor, circuit means connecting one of the field windings of each regulating generator to a common source of adjustable reference voltage, control means operable to adjust the reference voltage, additional circuit means connecting another one of the field windings of each regulating generator to said source and the pilot generator associated with its respective roll stand motor in opposed relation, a load exciter having one field winding responsive to the armature current of each roll stand motor connected in circuit with the other field winding of its respective regulating generator and also having a differential field winding, a plurality of damping transformers connected one in circuit with the differential field winding of each load exciter to produce a voltage proportional to the rate of change of main exciter voltage, and switch means operable in response to operation of the control means to a minimum reference voltage position to render the damping transformer ineffective.



4. In a control system for an adjustable speed motor, a main generator connected to supply electrical energy to the motor, a regulating generator connected to regulate the output voltage of the main generator, said regulating generator having a plurality of field windings, circuit means connecting one of said field windings to a source of adjustable reference voltage, and additional circuit means connecting another of said field windings to said source and to a source of voltage variable with the speed of the motor in opposed senses.

2,597,096
HITCH
Charles M. Harris, Holland, Mich.
Application May 8, 1950, Serial No. 160,656
3 Claims. (Cl. 280—33.15)

1. In a hitch, a vertical back, two spaced vertical parallel sides integral with said back extending therefrom, a top integral with said sides at their upper edges extending from their outer ends toward but terminating short of the back, said sides at their outer ends and between their upper and lower edges having each a slot therein open at the outer end of each side and closed between said outer ends and the back, a hitch member of generally U-shaped form pivotally mounted on and located between the lower outer portions of said sides, the pivotal mounting being below the slots, said hitch member having two spaced legs adapted alternately to extend substantially across said slots, a generally horizontal latch bar located between said sides above said hitch member, means for pivotally mounting said latch bar on said sides at a point between the closed ends of said slots and said back, said latch bar extending outwardly from its pivot



and terminating in a downwardly turned lug at its outer end, said legs of the hitch member each having a shoulder adapted to come against the inner side of said lug, said latch bar at its opposite end extending upwardly and through the space between the back and said top for ready access for maunal operation, and a coiled compression spring between said back and said latch bar normally turning the outer end of said latch bar in a downward direction.

2,597,097
MULTIPLE GLAZING UNIT
Charles D. Haven, Clear Lake, Ind., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Original application January 11, 1943, Serial No. 471,987. Divided and this application March 15, 1947, Serial No. 735,014
3 Claims. (Cl. 20—56.5)

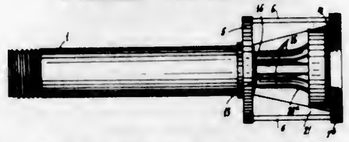


1. A multiple panel glazing unit, comprising a pair of transparent panels arranged in spaced face to face relation, metallic coatings on the inner adjacent faces of said panels around the margins thereof, separator means for maintaining said panels in proper spaced relation and forming a closed air space therebetween, said separator means comprising an inner wall and an imperforate outer wall and a connecting wall therebetween, dehydrating material arranged between the walls of said separator, bonding material securing said connecting wall to the metallic coating on one of the glass sheets, bonding material securing the separator to the metallic coating on the other glass sheet and an opening in the inner wall of said separator exposing the dehydrating material to the air within the space between the glass sheets.

2,597,098
PROCESS FOR FORMING HOLLOW CELLULOSE ESTER ARTICLES
Philip Richard Hawtin, Spondon, near Derby, England, assignor to British Celanese Limited, a corporation of Great Britain
No Drawing. Application March 29, 1950, Serial No. 152,759. In Great Britain April 5, 1949
7 Claims. (Cl. 18—56)

1. Process for making hollow articles, which comprises softening a blank of material having a basis of an ester of cellulose in which the degree of substitution is between 2.25 and 2.75 and the ester groups of which contain 2 to 4 carbon atoms by soaking in water containing a wetting agent and heating the blank while it still carries a film of water on its surface and still contains the water absorbed during soaking, and forming the hot, softened blank into the desired hollow shape by the application of fluid pressure.

2,597,099
MEANS FOR CUTTING DOWELING AND LIKE ARTICLES
Ralph Harwood Hayhurst, Auckland, Auckland, New Zealand
Application August 9, 1949, Serial No. 109,262
In New Zealand August 11, 1948
6 Claims. (Cl. 144—12)

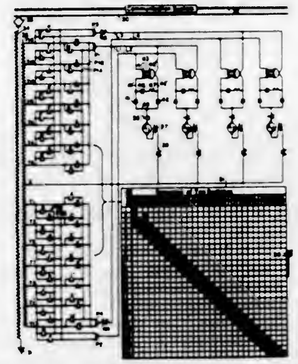


3. A reducing cutter for making dowelling and the like including a rotatable hollow shaft, a cutter head embodied with the outer end of said shaft and driven thereby, said cutter head including an outer annular member longitudinally spaced from the end of said shaft and said outer member having an internal flange, the outer end of said shaft having an internal shoulder thereon, a flanged sleeve within said shaft with the flange engaging with the shoulder at the outer end of said shaft, said sleeve having an internal shoulder thereon, a flanged apertured cap within the flanged outer element of the cutter head and means coupling said cap for rotation with said element and said shaft, said cap being castellated on its inner side, a cutter member including a plurality of blades disposed within the said sleeve in engagement with the shoulder therein and with the blades extending outwardly of the sleeve toward the cap with the distal ends of the blades disposed in the castellated inner surface of the cap, and a knurled nut in threaded engagement with said annular element of the cutter head for retaining the cap within and against displacement relative to the said annular element of the cutter head.

4. A reducing cutter as defined in and by claim 3 and wherein said annular cap includes a hollow boss extending toward the outer end of said shaft, the inner surface of said boss constituting the inner surface of said cap and said inner surface being castellated, a collar in threaded engagement with the outer surface of said boss, the base of the castellated surface on said boss being beveled outwardly and the outer surface of the said collar being beveled inwardly and the distal end of said blades cooperating with the said beveled surfaces so that as said collar is axially displaced along the boss the position of the blades is varied relative to the axis of the sleeve to vary the diameter of the cut.

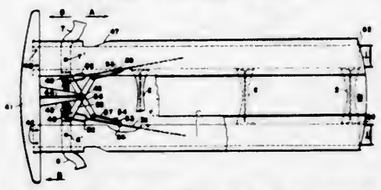
2,597,100
UNBALANCED TAP-CHANGING ON RECTIFIER LOCOMOTIVES
Lloyd J. Hibbard, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1951, Serial No. 208,062
3 Claims. (Cl. 171—97)

1. Rectifier-powered equipment, comprising, in combination, two similar direct-current load-means; a single-phase supply-circuit; transformer-means energized from said single-phase supply-circuit and having a plurality of secondary taps including a midpoint tap and a plurality of similar voltage-controlling taps on opposite sides of said midpoint tap; a separate rectifier-assembly for each of the direct-current load-means, each rectifier-assembly comprising a pair of single-phase rectifying devices; means for connecting one terminal of each direct-current load-means to a secondary midpoint tap; means for connecting the other terminal of each direct-current load-means to like-polarity terminals of the associated pair of rectifying



devices; a tap-switching means associated with each of the voltage-controlling secondary taps; and controlling-means for energizing each of the other-polarity terminals of each pair of rectifying devices through selected tap-switching means on opposite sides of the midpoint connection of the associated load-means; characterized by said controlling-means, at times, providing unbalanced voltages to said other-polarity terminals of each pair of rectifying devices, in such manner that one of said pairs of rectifying devices is unbalanced with a larger voltage on one side of its mid-point connection, while the other pair of rectifying devices is similarly unbalanced with a larger voltage on the other side of its midpoint connection.

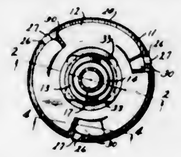
2,597,101
DIRIGIBLE VEHICLE
Cletus L. Jasper, Knoxville, Tenn.
Application March 17, 1947, Serial No. 735,226
1 Claim. (Cl. 280—87.01)



A children's vehicle comprising a frame provided with a substantially flush body-engaging surface, running gear supported on the frame, said running gear including a freely movable ground-engaging track positioned on each side of the vehicle and extending substantially the full length of the vehicle, a brake unit associated with each track, a pair of brake levers mounted for

pivotal movement in a horizontal plane and positioned near the forward end of the vehicle, linkage connecting the brake levers and brake units and including overrunning connection connecting each lever with each brake unit whereby each lever may be actuated to optionally apply either brake unit frictionally to direct the vehicle and the levers may be simultaneously actuated to apply both brake units to decelerate the vehicle.

2,597,102
SANDING HEAD
Aage Jensen, Racine, Wis.
Application December 1, 1949, Serial No. 130,526
11 Claims. (Cl. 51—197)



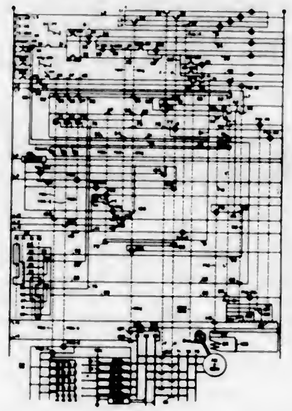
1. In an abrading device the combination with a mounting having a slotted plate for surface contact with a tongued abrasive sheet, of a clamp having a spring finger portion normally tensioned in pressure engagement with said plate to hold a tongue of the abrasive sheet at the side of the plate opposite the sheet to releasably hold said sheet to said plate, said clamp having a connection with said mounting on which it is movable to retract said finger from pressure engagement with said tongue, and a spindle for rotatably mounting said mounting in a power machine.

2,597,103
BODY AND FENDER STRAIGHTENING TOOL
John M. Johnson and Bernard P. Leaf, Lindsborg, Kans.
Application February 27, 1950, Serial No. 146,428
7 Claims. (Cl. 153—39)



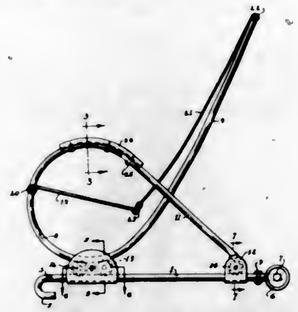
1. A unitary portable tool adapted to be connected at a first point to a fixed part of a vehicle and to apply a fender or body straightening force at a second point spaced from said first point, comprising: an elongated rigid compression member; and indenture contacting force applying arm located intermediate the ends of said member and disposed crosswise with relation thereto; pivot supporting means connected to and extending outwardly at an acute angle to said compression member to a point adjacent one end of said arm, the pivot supporting means, the compression member and the arm lying in substantially the same plane; a pivot substantially normal to said plane connecting said one end of the arm to said pivot supporting means; mechanical advantage means carried by the compression member and operably connected to said arm at a point spaced from said pivot; and means for anchoring the tool to a fixed part of a vehicle to prevent longitudinal movement of the compression member in a direction opposite that in which the arm is forced to pivot by said mechanical advantage means during application of a straightening force to a body or fender indenture.

2,597,104
SAFETY CONTROL SYSTEM FOR MOTORS
Ruel C. Jones, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1947, Serial No. 741,914
15 Claims. (Cl. 104—149)



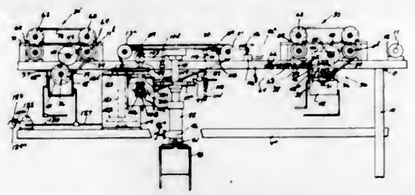
1. In combination, a polyphase generator having a field-winding circuit, a polyphase load-circuit, a direct-current supply-circuit, polyphase switching-means for connecting and disconnecting said polyphase load-circuit to and from said polyphase generator in either the forward or reverse phase-sequence, braking switching-means for connecting and disconnecting a plurality of conductors of said polyphase load-circuit to and from said direct-current supply-circuit, field switching-means for performing a controlling operation on said field-circuit, operation-presetting means for presetting the termination of the forward-phase-sequence energization of the polyphase load-circuit, an operation-maintaining relay-means, starting-means for initially actuating said operation-maintaining relay-means, an operation-relay holding-circuit, responsive to the actuation of said operation-maintaining relay-means, for maintaining the actuation of said operation-maintaining relay-means, forward-controlling means, responsive to the actuation of said operation-maintaining relay-means, for closing said polyphase switching-means in a desired forward phase-sequence and for also closing said field switching-means, forward-terminating means, responsive to the operation-presetting means, for opening said polyphase switching-means in the forward phase-sequence, the apparatus including polyphase-power termination-means for opening said polyphase switching means and said field switching-means, braking-controlling means, responsive to said polyphase-power termination-means and responsive also to a continued actuated condition of said operation-maintaining relay-means, for closing said braking switching-means, and operation-terminating means for opening said braking switching-means and for also opening said operation-relay holding-circuit.

2,597,105
EASY CHAIR
John D. Julian, Marion, Ind.
Application April 10, 1947, Serial No. 740,586
3 Claims. (Cl. 155—54)



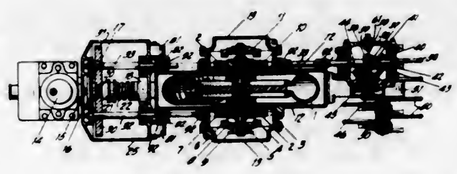
1. The combination of a chair having a base frame including spaced parallel connected side bars provided with curved fixed feet at their forward ends and wheels at their opposite ends, a pair of front travelling carriers and a pair of rear travelling carriers mounted on said bars and a resilient frame including two laterally spaced loops supported on the front carriers, and two legs extending rearwardly and downwardly from the loops and mounted on the rear carriers the frame also comprising arms extending upwardly and rearwardly from the loops and connected at their upper ends by a cross bar, a seat pivoted at its front end to the loops, and means suspending the rear end of the seat from the cross bar.

2,597,106
ELECTRICALLY CONDUCTIVE STRIPE APPLICATOR
John Kallenborn, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Application January 10, 1947, Serial No. 721,285
3 Claims. (Cl. 118—221)



3. An apparatus for applying uniform stripes of electrically conductive material to the faces of glass sheets moving through the apparatus, comprising a conveyor means for forward movement of the sheets in a substantially horizontal plane, at least two striping mechanisms disposed in longitudinally spaced relation along and beneath said conveyor means, each stripe applying mechanism including a rotating stripe applying roller disposed in the path of movement of the glass sheets and means for maintaining uniform pressure of the roller in contact with the glass sheet, an indexing and elevating mechanism mounted beneath said conveyor means and disposed between the spaced stripe applying mechanisms in the path of movement of the glass sheets, said indexing and elevating mechanism having a vertically reciprocable member for removing a glass sheet from the conveyor and rotating the sheet a predetermined number of degrees in the plane of movement of said sheet for striping by the next striping mechanism, control means associated with the indexing and elevating mechanism and conveyor means to stop forward movement of the glass sheet from the time the glass sheet moves into position above the vertically reciprocable member until the member completes its cycle of removing the sheet from the conveyor means, rotating the sheet, and returning it to the conveyor means.

2,597,107
ROTARY SOIL-WORKING DEVICE
Cadwallader W. Kelsey, Troy, N. Y.
Application March 1, 1946, Serial No. 651,339
13 Claims. (Cl. 97—40)

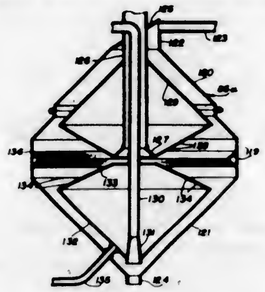


10. A rotary soil working device comprising a ground wheel having an elongated hub, a worm gear mounted to rotate freely on said hub on each side of said ground wheel, a driving motor, a pair of shafts driven by said motor, one on each side of said ground wheel, and each having a worm thereon cooperating with one of said worm gears; the worm and its cooperating gear on one side of said ground wheel having a substantially different gear ratio than the worm and gear on the other side of said ground wheel, an axially slidable shaft coaxial with said ground wheel and means drivingly connecting it to said wheel, a clutch element on said shaft adjacent each of said worm gears adapted drivingly to connect the adjacent worm gear to said shaft, rotary soil working tools, and means drivingly connecting said tools to one of said shafts; whereby, at a given motor speed, the rate at which said device is propelled over the ground may be changed without changing the rate at which said tools are driven.

2,597,108
GRADING APPARATUS
Claude L. Key, Milton, Oreg.
Application November 20, 1946, Serial No. 710,973
3 Claims. (Cl. 209—173)

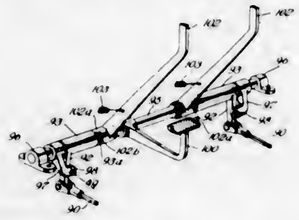
1. An apparatus for separating solids according to their specific gravities, said apparatus comprising a cylindrical tank having upper and lower conical end portions, a feed tube extending downwardly through the upper conical end portion and including a lower outwardly and downwardly flared end terminating medially of the end portions of the tank, a cap carried by the upper conical end portion and embracing said feed tube, a first discharge tube extending laterally from said cap, an inclined cover for the cap sloping upwardly toward the first discharge tube to constitute a baffle, a second discharge tube extending axially through the feed tube and including a radial extension at its upper end extending laterally through the feed tube, the lower end of said second discharge tube terminating adjacent

and above the apex of said lower conical end portion, a deflector supported on said second discharge tube directly beneath the flared end of said feed tube, and an endless V-shaped deflector



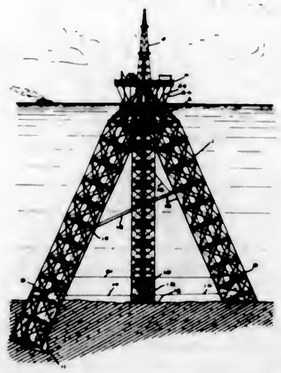
supported on the inner periphery of said tank and having its apex disposed in a horizontal plane between the flared end of said feed tube and the upper extremity of said first named deflector.

2,597,109
BRAKE SYSTEM FOR VEHICLES
Roy A. Kropp, River Forest, Ill., assignor to Kropp Forge Company, Cicero, Ill., a corporation of Illinois
Original application February 28, 1948, Serial No. 11,999. Divided and this application August 20, 1949, Serial No. 111,447
4 Claims. (Cl. 74—478)



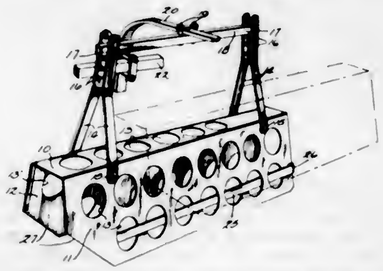
1. In a brake linkage system for steering or braking a vehicle by independently or simultaneously applying the brakes thereof, a frame, a shaft disposed transversely of said frame and journaled thereon for rocking movement with respect thereto, two sleeves rockingly mounted on said shaft and each having a lever arm extending therefrom, a separate actuating rod movable longitudinally of the frame and pivotally connected with each of said lever arms, two hand levers rockingly mounted on said shaft and having interengagement with said sleeves with a predetermined freedom of movement in the connection therebetween, for pivotally moving the same to rectilinearly move the associated actuating rods, two lever arms extending from said shaft and mounted for rocking movement therewith and each extending into position to have engaging contact with one of said lever arms, a foot pedal secured to said shaft intermediate said hand lever to pivot said shaft and simultaneously move said first lever arms through said second lever arms in a direction to longitudinally move said actuating rods without moving said hand levers, and spring means connected to each hand operated lever to return it to inoperative position.

2,597,110
MARINE STRUCTURE
Robert Lacy, Baltimore, Md.
Application August 12, 1949, Serial No. 109,889
7 Claims. (Cl. 61—46)



1. A prefabricated marine structure for supporting a working platform above water from the bed of a body of water comprising three or more buoyant legs each leg having pivoting means at one end and bins for the receipt of sinking weight at the other end, a center horizontally extending frame having pivoting means for each leg distributed symmetrically therearound, said legs being joined to said frame by the interconnecting of the pivoting means on the legs and frame and extending to or into the bed of the water on an angle, downwardly, outwardly from each other and from the frame the bins being filled with sufficient weight to sink and hold the bin end of the legs stable on or in the bed of the water, a platform, and means securely connecting the platform to the center frame and legs.

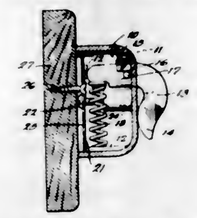
2,597,111
PLANT GUARD FOR CULTIVATORS
William C. Lathers, Jr., Madison, Wis.
Application December 20, 1946, Serial No. 717,447
6 Claims. (Cl. 97—188)



1. In a plant guard for mounting on a power driven cultivator and adjacent the soil plowing teeth thereof, a support connected with the cultivator frame, a guard of substantially U-shaped cross section mounted in inverted position on the support for movement over a row of plants during cultivation thereof, the guard having openings along one side thereof each provided with curved margins, and means for varying the effective size of the openings to pass only earth

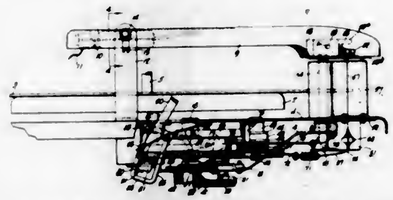
in masses below a given size and quantity said means being receivable across said openings whereby to expose portions of said curved margins to contact masses passing through said openings.

2,597,112
HOLDER FOR TOWELS AND THE LIKE
George C. Leimer, Chicago, Ill.
Application April 12, 1946, Serial No. 661,831
2 Claims. (Cl. 248—294)



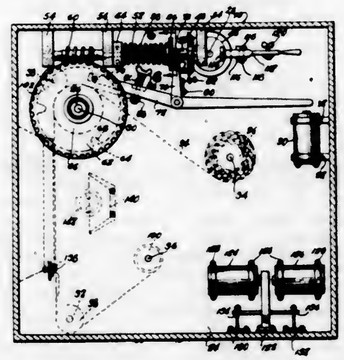
1. A holder for towels and the like comprising a hollow cup shaped body open at one side, ribs projecting inward in the body and terminating short of its open side, a resilient plate fitting in the open end of the body and resting against the ribs, fastening means engaging the plate adjacent its edges to hold it in the body, the plate having a keyhole slot in its central portion adapted to engage a fastening projecting from a mounting surface, a hook member extending through one wall of the body, means pivotally connecting the hook member to the body adjacent side walls, and a compression spring in the body engaging the inner end of the hook member, one end of the spring resting between adjacent ribs whereby slipping of the spring is prevented.

2,597,113
PHONOGRAPH APPARATUS
Hermann E. F. C. Lingenbrink, Hilltown, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1946, Serial No. 668,195
11 Claims. (Cl. 274—15)



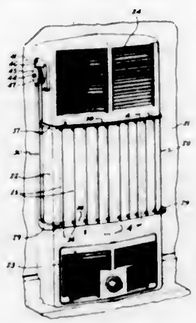
1. In an automatic phonograph of the record dropping type, a turntable arranged to receive records successively dropped thereon, a tone arm mounted for movement about both vertical and horizontal axes of rotation for the playing of records successively, a first pull connection extending to said tone arm to move the same about said axes, said connection having a portion extending upwardly to the tone arm in spaced relation to the vertical axis of rotation of the tone arm, means fixing the lower end of said portion in such relation to the point of connection to the tone arm that said portion is parallel to said vertical axis only when the tone arm is in a predetermined position inwardly of its record-commencing position and outwardly of its record-finishing position, whereby a pull on said connection urges said tone arm toward said predetermined position regardless of whether the tone arm is inwardly or outwardly of said predetermined position, a second pull connection extending to said tone arm to move the same horizontally outward, means operative at the end of the playing of a record to first exert a pull through said first connection and then a stronger pull through said second connection, and to release the pulls in reverse sequence, whereby the tone arm is raised from the played record and is moved outwardly clear of the record to permit dropping of the next record, and the release of the pull through the second connection enables the pull through the first connection to move the tone arm inwardly toward the aforementioned predetermined position, and stop means operative to index the tone arm in its record-commencing position prior to release of the pull through said first connection.

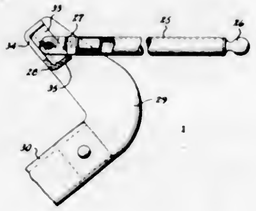
2,597,114
STATION AND STREET ANNOUNCER AND ADVERTISING MACHINE
Ervin E. Lintz, Millington, Mich.
Application June 3, 1946, Serial No. 674,107
1 Claim. (Cl. 40—53)



A device of the character described, comprising a housing, a movable web in said housing, bearing thereon station or street designation or advertising, a plurality of rollers over which said web presses, said rollers arranged so that a portion of the web may be viewed through a window in said housing, a pressure roller engaging said web to force said web against one of said rollers, a motor shaft, a bevelled faced friction wheel on said shaft, a second shaft mounted at right angles to said motor shaft, a driven friction wheel on said second shaft adapted for coaction with said driving friction wheel, a clutch collar mounted at one end on said driven friction wheel, a circular flange on the opposite end of said clutch collar, a worm on said second shaft, a worm wheel on one of said rollers adapted to engage with said worm, a measuring means carried by said worm wheel, operating means engaging said measuring means and said clutch, means for operating said measuring means to cause said driven friction wheel to be selectively engaged by said driving friction wheel whereby said web is advanced a certain distance by said measuring means in relation to the operation of the means for operating said measuring means.

2,597,115
CLOTHES DRIER
Allan W. Lundstrum, Anderson, Ind.
Application June 28, 1947, Serial No. 757,778
10 Claims. (Cl. 211—100)

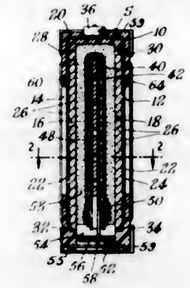




2. A clothes drier comprising, in combination, a substantially U-shaped frame having a pair of parallel arms and a cross bar, means for pivotally mounting said frame at the free ends of said arms, means to hold the frame in an upwardly inclined position, a plurality of clothes supports spaced along said cross bar and pivotally mounted thereon for movement with respect to said frame in planes generally parallel to the planes in which the arms pivot, and means to hold the clothes supports in a generally horizontal position when the frame is in its upwardly inclined position.

2,597,116
AIR DEPOLARIZED CELL
Paul A. Marsal, Rocky River, and Russell P. Fox, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 30, 1948, Serial No. 52,018
13 Claims. (Cl. 136—136)

1. In an air depolarized cell a container having apertures in opposite walls for the entry of air; a plurality of air-permeable, electrolyte-repellent carbonaceous electrodes spaced apart from each other and bonded to the interior walls of said container and covering the apertures therein; a current-collecting device attached to said electrodes; a terminal electrically connected to said current-collecting device and extending outwardly of one end of said container; a zinc electrode interposed in said container between said carbonaceous electrodes; an immobilized aqueous electrolyte in contact with said carbonaceous electrodes and said zinc electrode; and a metal closure for the other end of said container, said closure providing electrical connection to said zinc electrode; both ends of said container being sealed against leakage, and said carbonaceous

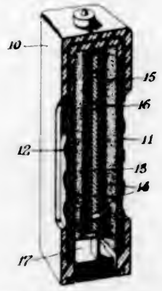


electrodes preventing leakage of liquid through said apertures.

2,597,117
AQUEOUS ELECTROLYTE FOR PRIMARY GALVANIC CELL
Erwin A. Schumacher, Parma, and Paul S. Brooks, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application December 28, 1948, Serial No. 67,758
11 Claims. (Cl. 136—154)

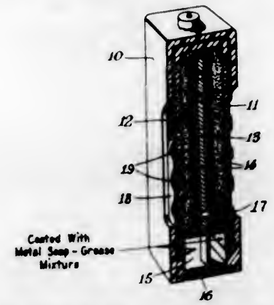
1. An aqueous electrolyte for a primary galvanic cell, which electrolyte contains for 1000 grams of water 275 to 450 grams of sodium hydroxide, up to 125 grams of zinc oxide, and 20 to 50 grams of starch.

2,597,118
SUPPORT FOR PRIMARY GALVANIC CELL ELECTROLYTE
Paul S. Brooks, Lakewood, and Erwin A. Schumacher, Parma, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application August 25, 1949, Serial No. 112,204
5 Claims. (Cl. 136—144)



1. In an air-depolarized primary galvanic cell having a consumable electrode, a non-consumable electrode, and an alkaline paste electrolyte subject to syneresis on discharge of the cell, an electrolyte-sorptive support serving to prevent syneresis of such electrolyte paste and being composed of matted fibers of cellulose, said support being positioned between said electrodes but when wet with electrolyte occupying less than the entire available space between said electrodes.

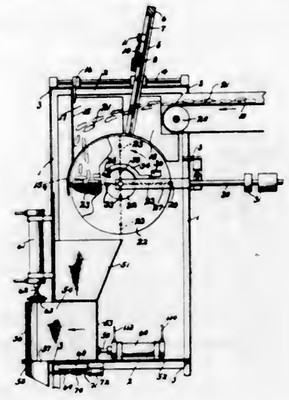
2,597,119
ELECTRODE FOR AIR DEPOLARIZED PRIMARY GALVANIC CELLS
Erwin A. Schumacher, Parma, and Roswell J. Bennett, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 1, 1949, Serial No. 113,502
5 Claims. (Cl. 136—121)



1. An air-depolarized primary galvanic cell comprising an immobilized aqueous alkaline electrolyte; a zinc electrode; an enclosed free space for the reception of liquid exuded from said electrolyte; and an improved, air-depolarized, gas-permeable carbon electrode having a portion in contact with said electrolyte and in communication with the ambient atmosphere and a portion communicating with said free space, said last-mentioned portion of said electrode providing a path between said free space and said first-mentioned portion of said carbon electrode for venting gas entrapped in said free space to the outside atmosphere, said portion of said carbon electrode which communicates with said free space having a coating thereon of a mixture of alkali-resistant grease and metal soap selected from the group consisting of stearates of barium, aluminum, magnesium, zinc and manganese and combinations thereof with fatty acids, which coating prevents wetting of said portion of said electrode by liquid collected in said space and consequent blocking of said path.

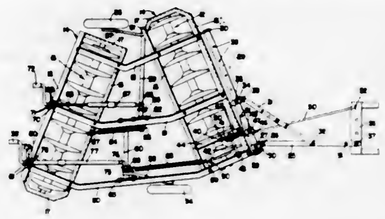
2,597,120
PACKAGING MACHINE
George L. McCargar, Detroit, Mich.
Application July 15, 1946, Serial No. 683,735
4 Claims. (Cl. 249—19)

1. In a machine of the class described, means for continuously conveying material in loosely separated condition and projecting it therefrom in a substantially horizontal direction, a drum having spaced sides and diametrically positioned partitions providing a plurality of compartments open at their outer ends, a vertical plate above the drum spaced from said conveyor means and disposed against which said loose material to be packaged is projected whereby said material is dropped by gravity into a preselected compartment of the drum, a tiltably mounted frame carrying the drum, said frame tilting to move the drum in a downwardly direction upon a predetermined weight of said material being delivered to said compartment, a substantially vertical gate slidably mounted over said drum in advance of said plate in the direction of movement of the material and spaced from the end of said conveyor means, means for lowering the gate, means for turning the drum, and means rendered operative by the downward movement of the drum for simultaneously actuating said lowering means for lowering said gate into the



path of said projected material, and for actuating said drum turning means, combined with means for stopping the drum when it has turned through a predetermined arc.

2,597,121
OFFSET DISK HARROW
William R. McKay, Compton, and Rollie H. Mitchell, Huntington Park, Calif., assignors to John Deere Killefer Company, a corporation of California
Application June 14, 1944, Serial No. 540,340
14 Claims. (Cl. 55—73)



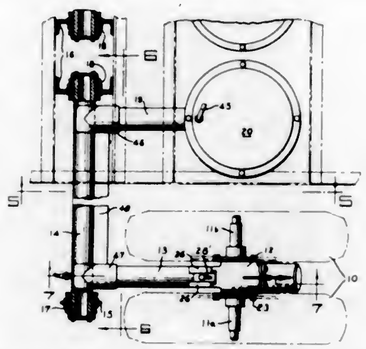
1. A ground working implement comprising a rigid frame, draft means therefor, two fore and aft spaced, ground engaging tool means mounted on the front and rear portions of said frame, a caster wheel, vertically shiftable means for mounting said caster wheel adjacent one end of said frame, resilient means acting between said caster wheel and said frame for normally holding said caster wheel in raised position, and a flexible member connected to said caster wheel and adapted to be connected with a draft vehicle in offset relation to said draft means so that a turning of the draft vehicle in one direction will exert a pull on said flexible member overcoming said holding means and lowering said caster wheel, whereby said frame is supported on said caster wheel at said one end of the frame and on the tool means at the other end of said frame.

2,597,122

AIR SPRING DUAL WHEEL RUNNING GEAR

Edward Mullen and Leo H. Garman, Detroit, Mich., assignors to Mechanical Handling Systems Inc., Detroit, Mich., a corporation of Michigan

Application August 7, 1946, Serial No. 688,862
17 Claims. (Cl. 280—124)



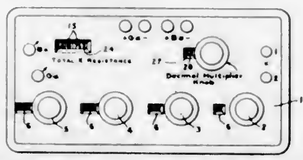
1. A dual wheel suspension for a vehicle having a frame characterized by a dual wheel axle, a hub for said axle intermediate the wheels having a longitudinal axis, a longitudinal member pivotally connected to said hub extending beyond the perimeter of said wheels, a transverse member rigidly associated with said longitudinal member extending laterally past the inner wheel, laterally spaced transverse bearings for said transverse member mounted on the frame of said vehicle and adapted to accommodate articulation of said transverse member, and resilient mechanism for resisting torque imparted to said transverse member by the weight of the vehicle.

2,597,123

TOTALIZER AND CALCULATOR

Alfred H. Naef and John Preston Smith, Jr., Chatham, N. J., assignors to Daven Company, Newark, N. J., a corporation of New Jersey

Application July 12, 1946, Serial No. 683,065
6 Claims. (Cl. 116—129)



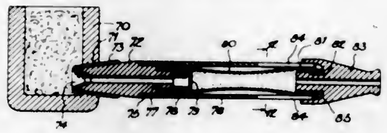
1. In a totalizer and calculator, the combination with a plurality of instrument setting elements and a panel board carrying said elements, of a plurality of indicia carrying members having indicia thereon indicative of the position of said elements, said panel having a window therein, said indicia carrying members carried by said panel in contiguous relation to each other and in relation to said window so that one indicia of each member will be visible through said window, flexible members connected one to each of said elements and to the corresponding indicia carrying member to move the indicia carrying member into position to exhibit through said window, said indicia carrying members indicative of the total setting of the elements, a decimal point carrying member, a multiplier element provided with a flexible element for operating said decimal point carrying member to position the decimal in relation to the indicia visible through said window, and springs connected to said indicia carrying members for moving them into zero indicating position.

2,597,124

TOBACCO SMOKING DEVICE

Allen Nohr, Milwaukee, Wis.

Application April 12, 1946, Serial No. 661,742
6 Claims. (Cl. 131—200)



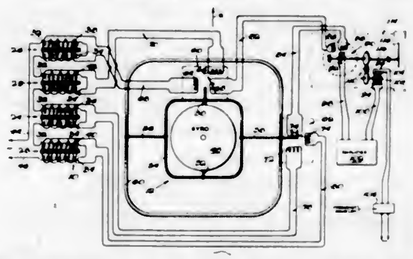
1. In a tobacco smoking device, a hollow barrel member, and a tube of thin, limp, flexible smoke-impervious material extending longitudinally in said member, said barrel member having apertured walls exposing the exterior surface of said tube to the atmosphere, said tube forming a smoke conduit and being contractible transversely under the influence of smoking suction to constrict the conduit, said tube when transversely contracted presenting longitudinal folds forming narrow smoke passages.

2,597,125

EARTH INDUCTION SYSTEM

Paul A. Noxon, Tenafly, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application April 18, 1945, Serial No. 589,031
16 Claims. (Cl. 33—224)



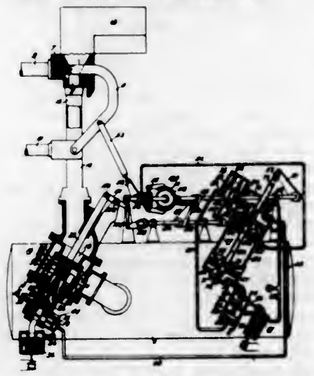
4. Mechanism for producing a magnetic direction reference from the earth's magnetic field to enable the steering of a craft along a predetermined magnetic heading, comprising non-stabilized earth inductor means adapted to be fixedly mounted upon the craft for angular movements therewith about the longitudinal and transverse axes of the craft and responsive to both the horizontal and vertical components of the earth's magnetic field for producing electro-magnetic effects therefrom, electro-magnetically operated controlling means, and gyroscopically controlled means interconnecting said earth inductor means and said controlling means for eliminating the electro-magnetic effects of the vertical component of the earth's magnetic field to actuate said controlling means in response to the electro-magnetic effects of the horizontal component of the earth's magnetic field.

2,597,126

CIRCUIT BREAKER WITH BLAST VALVE MOTOR ASSISTING THE CONTACT MOTOR

Ira W. Paterson, Milton, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 17, 1949, Serial No. 110,686
11 Claims. (Cl. 200—82)



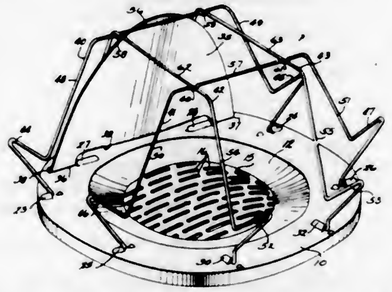
6. In a fluid blast circuit interrupter, the combination comprising: a source of fluid under pressure, separable arcing contacts for establishing an arc, a blast valve arranged to provide a blast of fluid under pressure from said source for extinguishing the arc drawn upon separation of said arcing contacts, a first fluid operated motor comprising a cylinder and a piston for actuating said blast valve, a second fluid operated motor arranged to operate in sequence with said blast valve comprising a cylinder and a piston for separating said arcing contacts, means arranged immediately adjacent said second motor for controlling the time at which fluid under pressure is supplied from said source to said second motor and comprising a valve adapted to be actuated by said piston of said first motor, and booster means actuated by said first motor for aiding said second motor to actuate said arcing contacts, said booster means and said second motor acting on said arcing contacts in a predetermined sequence.

2,597,127

TOASTER

William Rahr, Manitowoc, Wis., assignor to J. W. Steckbauer, Manitowoc, Wis.

Application October 18, 1946, Serial No. 704,019
6 Claims. (Cl. 99—401)



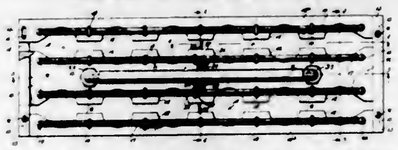
1. The combination with a base having a foraminous radiant central portion adapted to be heated over a flame, of a reflector inclined over said central portion at one side of the base, and work supporting means comprising easels for a plurality of work pieces at other sides of the central portion of the base, said central portion and reflector being convex toward the work supporting means and together adapted to distribute heat uniformly over the surfaces of work pieces carried by such means.

2,597,128

BOTTLE HANDLING DEVICE

Arthur O. Reinking, Oaklyn, N. J.

Application June 10, 1947, Serial No. 753,688
13 Claims. (Cl. 294—87.26)



13. A bottle carrier of the character described for bottles having heads wider than their neck portions, said carrier including a central bottle gripping member and a sidewise adjacent bottle gripping member on each side of the central bottle gripping member mounted on the carrier to be movable from and toward said central member edgewise, the opposite edges of said central member having notches and the facing edges of said side members having notches complemental to the notches of the central member, the complemental notches of the central and side members forming apertures sufficiently large to pass the relatively wide heads of bottles therethrough in all positions of said side members relative to said central member, and each side member on the side facing the central member carrying resilient gripping means extending within the confines of the notches of its said member and fixedly mounted in such position on its member that, when a side member is moved to a certain closeness to the central member in bottle gripping position, the resilient gripping means of said central and side members are brought into gripping engagement with the opposite sides of the neck of a bottle in the aperture provided by said complemental notches and beneath the bottle head with tension effective to lift an unrestrained bottle, when the carrier is raised, and to release a bottle unduly restrained against being lifted, and means on the carrier and connected to said side members and operable to move the side members toward and from the central member and to place said gripping means into and out of lifting gripping engagement with the neck of a bottle disposed in the aperture provided by the complemental notches of the central and side member.

2,597,129

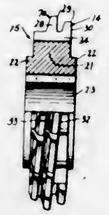
GEAR CHAMFERING HOB

Norman C. Remich, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application April 17, 1947, Serial No. 741,989
2 Claims. (Cl. 29—103)

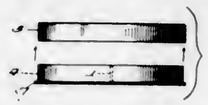
1. A gear chamfering hob adapted for forming on gear teeth chamfered surfaces inclined relative to the longitudinal axes of the teeth, said hob comprising a rotary body of generally annular configuration and having a plurality of rows of similarly shaped, radially relieved hob teeth helically positioned on the peripheral surface of said

hob, all of said teeth having the same general cutting contour, said rows of teeth starting substantially at uniformly peripherally spaced points about the body in a common transaxial plane, and each row comprising a series of effective cutting teeth extending over a portion of the circumference of the body, the sets of effective teeth of the rows being stepped peripherally to cut successively but collectively in a continuous sequence throughout each hob revolution, the leading cutting tooth of each row being paired with the final tooth of the other row, the effective cutting teeth of each row decreasing in radial height progressively from the leading tooth to the final tooth, said hob thus being adapted to form finished chamfered surfaces upon two successive teeth upon each revolution of the hob.



2. A gear chamfering hob adapted for chamfering the ends of gear teeth to form lands thereon of less width than the width of the respective teeth, said hob comprising a rotary body having two rows of radially relieved hob teeth helically positioned on the peripheral surface, said rows of teeth starting at diametrically opposite points in a common transaxial plane and each extending through a full convolution, one row comprising a series of ineffective leading teeth and a following series of effective cutting teeth extending through at least one-half portion of the circumference of the body, and the other row comprising a series of ineffective leading teeth and a following series of effective cutting teeth extending through at least the other half portion of the circumference, the teeth of the rows being arranged side by side in a peripheral succession of pairs, the effective cutting teeth of each row decreasing in radial height progressively from the leading tooth to the final tooth, the leading cutting tooth of each row being paired with the final tooth of the other row, all effective teeth having the same cutting contour each with an end cutting edge and one side cutting edge disposed substantially perpendicular to the hob axis, said side cutting edges of the respective teeth being adapted to shape the final configuration of the chamfered surfaces on the gear teeth.

2,597,130
COSMETIC CONTAINER
Ethel M. Ross, Chicago, Ill.
Application January 2, 1947, Serial No. 720,273
1 Claim. (Cl. 132—79)



As a new article of manufacture, a container adapted temporarily to retain different types of cosmetic materials and comprising a comparatively shallow body consisting of a flat circular bottom wall of uniform thickness throughout, a concentric imperforate cylindrical side wall connected to, and extending upwards from, the bottom wall and of such external diameter that its outer periphery is spaced inwards a small distance from the edge of said bottom wall, and a plurality of straight, upstanding partitions of the same height as the side wall, extending radially from the center of the space within the side wall, having the bottom margins thereof connected to the upper surface of the bottom wall and their outer ends connected to the inner periphery of the side wall, and arranged to define with said bottom wall and side wall a plurality of sector-shaped, open top compartments for said different types of cosmetic materials, and a separately formed completely removable cover consisting of a flat circular top wall having the same diameter as the bottom wall of the body and adapted when the cover is in its closed position with respect to the body to extend across and abut against the upper margins of the partitions and the upper margin of the body side wall in order to seal the compartments and prevent the materials therein from moving from one compartment to another, and an imperforate cylindrical skirt connected to, and depending from, the margin of the top wall and adapted to surround and grip the outer periphery of the body side wall, said skirt being the same in height as the side wall in order that when the cover is in its fully closed position the lower margin of the skirt abuts against the portion of the body bottom wall that is outwards of the body side wall and being of such thickness that when the cover is in place its outer periphery is flush with the edge of the bottom wall of the body.

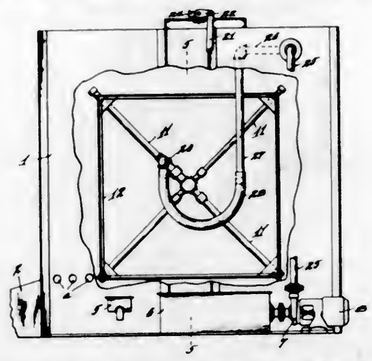
2,597,131
CRANBERRY RECOVERY MACHINE
Christ E. Sempos, East Wareham, Mass.
Application July 17, 1947, Serial No. 761,551
12 Claims. (Cl. 56—8)



1. Apparatus for releasing unattached cranberries from the entangling vines and from the bottom of a flooded bog comprising an elongated support, a hollow frame consisting of parallel legs joined by a bridge piece said legs being pivotally attached to the sides of the support with the bridge piece spaced from and spanning the end thereof, a plurality of nozzles threaded into the bridge piece, crank means mounted on the support and engaging the legs for lowering and raising the frame to submerge the nozzles in the water at a given depth and means on the support for delivering water under pressure to one of said hollow legs.

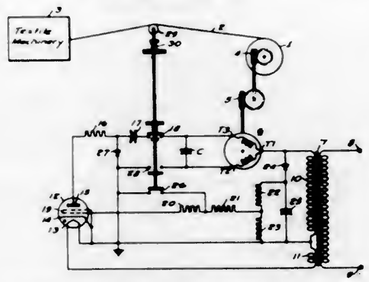
2,597,132
INDUSTRIAL WASHING MACHINE EMBODYING FLUID SPRAYING APPARATUS
Donald P. Smith, Cincinnati, Ohio, assignor to The Alvey-Ferguson Company, Cincinnati, Ohio, a corporation of Ohio
Application February 4, 1946, Serial No. 645,367
1 Claim. (Cl. 134—181)

An industrial washing machine of the nature disclosed, comprising a cabinet, the lower portion thereof providing a reservoir, a platform mounted within the cabinet horizontally over the reservoir and of less width than the cabinet for the delivery and sustaining thereon an appliance to be spray washed by sprayer units at opposite sides of the platform, a pair of liquid sprayer units within the cabinet, each unit respectively adjacent a side of and mounted upon a cabinet side wall at a relative side of the platform and embodying a plurality of sprayer tubes fixed to and extending from a common conduit fitting and arranged in several pairs, each pair in alignment and relatively extending from opposite sides of the conduit fitting in a plane parallel with the cabinet side wall, each tube having a closed head end and a row of apertures longitudinally thereof



to liquid spray an appliance stationed on said platform, a frame joined to the outer end of the tubes of a sprayer unit to bond the same together, each conduit fitting having an axle extending axially therefrom, supported and journaled within a bearing as an element of the side wall and extending through said bearing for making a transmission connection therewith exterior of the cabinet, a liquid supply conduit in connection with the cabinet reservoir having branches each in connection with a sprayer unit and transmission means mounted upon and exterior of the cabinet in connection with the axle of each sprayer unit to oscillate the same.

2,597,133
CONTROL SYSTEM
Frederick D. Snyder, Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 10, 1946, Serial No. 668,694
14 Claims. (Cl. 242—75)



1. A control system, comprising an alternating-current motor, means for supplying alternating current, two half-wave rectifiers connected in parallel relation and opposing polarities to each other between said current supply means and said motor so that said motor is energized by alternating current when both rectifiers are in operation, a capacitor series-connected with said motor for preventing the flow of current when only one of said rectifiers is in operation, and intermittently operable control means connected with one of said rectifiers for controlling its operation to thereby control the speed of said motor.

2,597,134
CIRCUIT INTERRUPTER
Arthur T. Stratton, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Substituted for abandoned application Serial No. 500,036, August 26, 1943. This application May 15, 1946, Serial No. 669,806
13 Claims. (Cl. 200—89)

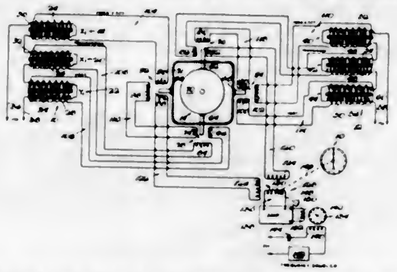


1. In a circuit interrupter, spaced line terminals, a circuit breaker having spaced terminals thereon, said breaker having separable contacts connected between the terminals thereof, means responsive to currents above a predetermined value for separating said contacts, and means responsive to a circuit interrupting operation for automatically reclosing said contacts; means supporting said breaker for movement of at least one terminal thereof into and out of engagement with one of said line terminals, a movable member operable to cause movement of said breaker in a direction to disengage said one breaker and line terminals to insert an air gap in the circuit, and means responsive only to a predetermined number of closely successive circuit interrupting operations by said breaker contacts for operating said movable member.

2,597,135
EARTH INDUCTION SYSTEM
Alfred A. Stuart, Jr., Hasbrouck Heights, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 18, 1945, Serial No. 589,032
14 Claims. (Cl. 33—224)

10. Mechanism for providing a magnetic direction reference on a craft from the earth's magnetic field, comprising a first and second nonstabilized earth inductor means adapted to be fixedly mounted at different locations on the craft for angular movements therewith about the longitudinal and transverse axes thereof for producing electrical signals from the horizontal and vertical components of the earth's magnetic field, electrically operated controlling means, a free gyroscope adapted to be mounted on the craft at a point remote from said first and second earth

inductor means for angular movement relative to the craft about the longitudinal and transverse axes thereof, and means electrically interconnecting said first and second earth inductor means with said controlling means, including means actuated by said gyroscope upon relative



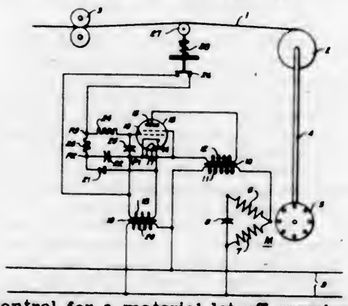
angular movement between it and the craft about said longitudinal and transverse axes for eliminating the signals produced from the vertical component of the earth's magnetic field, to actuate said controlling means in response to the signals produced from the horizontal component of the earth's magnetic field.

2,597,136

ELECTRONIC MOTOR CONTROL

Frederick D. Snyder, Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 21, 1947, Serial No. 730,150
1 Claim. (Cl. 139—110)



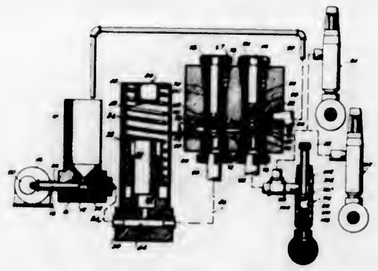
A control for a material let-off member comprising, a single-phase induction motor of the self-starting type for controlling the let-off movement of said member, a transformer having a primary winding connected in series with said motor and having a secondary winding for varying the reactance of said primary winding between motor-running and motor-stopping values depending upon whether said secondary winding is substantially shorted or opened respectively, a single electronic trigger tube plate-connected across said secondary winding to be energized thereby, said tube having a control grid, a resistor connected in series with said control grid, a grid biasing circuit including a capacitor chargeable to a predetermined grid biasing potential, the negative terminal of said capacitor being connected to said resistor forming a series circuit therewith, contact means connected across said resistor and said capacitor, and tension-responsive control means for engagement with the material let-off from said member and connected with said contact means to actuate the latter in dependence of changes in tension of the material to cause said motor to actuate said member for substantially constant tension of the let-off material.

2,597,137

CONTROL APPARATUS FOR CENTRALIZED LUBRICATING SYSTEMS

Harry R. Tear, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application August 15, 1946, Serial No. 690,657
5 Claims. (Cl. 184—7)



1. In an apparatus for controlling the supply of lubricant under pressure to a conduit system connecting a plurality of lubricant charge measuring devices of a centralized lubricating system, the combination of a lubricant reservoir, an accumulator for storing a predetermined volume of lubricant under pressure, a pump having its inlet connected to the reservoir and its outlet connected to the accumulator, means providing a passageway connecting the accumulator to the conduit system, a first valve in said passageway exposed to the pressure of the lubricant in the accumulator, a spring holding the first valve closed until the pressure in the accumulator exceeds a predetermined value, a cylinder connected to the accumulator when the first valve is open, a piston in the cylinder and connected to the first valve to hold it open when the pressure is substantially less than that required to open the first valve, a second lubricant pressure operated spring pressed valve exposed to the pressure of the lubricant in the conduit system and opened thereby only when the pressure in the conduit system greatly exceeds that required to open the first valve, means connected to the second valve to hold it open at a lower pressure than is required to hold the first valve open, and means for conveying lubricant flowing past the second valve to the lubricant reservoir.

2,597,138

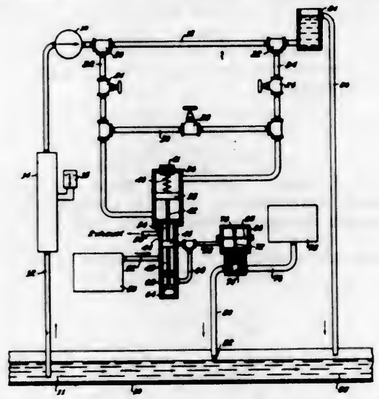
VISCOSITY INDICATING AND CONTROLLING APPARATUS

Warren M. Trigg, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1947, Serial No. 765,232
7 Claims. (Cl. 137—78)

1. An apparatus for controlling the viscosity of a fluid by adding thereto a component capable of modifying the viscosity thereof, comprising, in combination, a substantially constant volume pump for pumping a portion of the fluid at a given temperature, a conduit connected to the pump output to receive the portion of fluid at constant velocity therethrough, the conduit being so proportioned that a significant drop in pressure in the fluid is present between the ends

of the conduit, the end of the conduit opposite the pump being connected to means for maintaining a pressure against the outgoing fluid, pressure operable means connected to both ends of the conduit responsive to predetermined changes in pressure, said pressure operable means being connected to a valve means to add the modifying component to the fluid, said pressure operable means including fluid containing pipes transmitting pressure from the outlet and inlet ends of the conduit to a single enclosed chamber, a movable member disposed within the enclosed



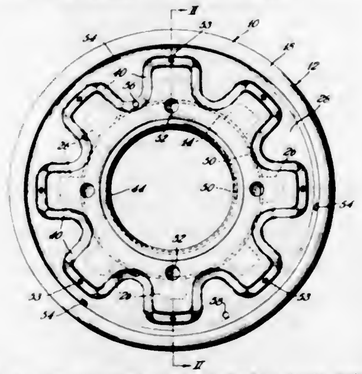
chamber to divide the chamber into two compartments, and a spring in one compartment applying a force to one face of the movable member, the pipe from the outlet end of the conduit connected to and admitting fluid under pressure to one of the compartments whereby the force of the spring and the outlet pressure unite in acting on the said one face movable member and the pipe from the inlet end of the conduit connected to and admitting fluid under pressure to the other compartment to apply a pressure on the movable member opposing the force of the spring.

2,597,139

SPOOL CONSTRUCTION

George G. Tucker, Jr., Berwyn, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois

Application August 24, 1949, Serial No. 112,017
2 Claims. (Cl. 242—123)



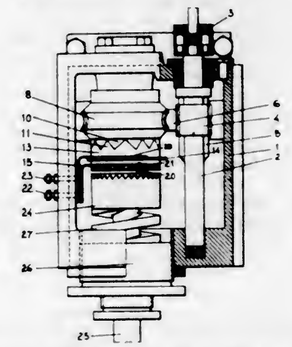
1. A spool comprising a tubular hub initially provided with axially extending generally rectangular tabs on the ends thereof, a first circular plate at each end of the hub having slots through which said tabs project, a second plate adjacent each of said first plates and having an inturned annular axially extending flange portion, and an insert in said hub concentric therewith having end portions lying inside of said flanges, the projecting ends of said tabs and said insert end portions being bent back against the adjacent plates and secured thereto to prevent outward axial displacement of the plates, each of said second plates having circumferentially spaced recesses including said tabs, the outward wall of the plate defining said recesses being formed with substantially flat portions which are larger than but of the same general shape as the enclosed tabs, said flat surfaces providing a substantial bearing area for resisting axial loads and coacting with the remaining portions of said second plates to form ribs for stiffening the same.

2,597,140

OVERLOAD CUTOUT FOR POWER-OPERATED DOORS AND THE LIKE

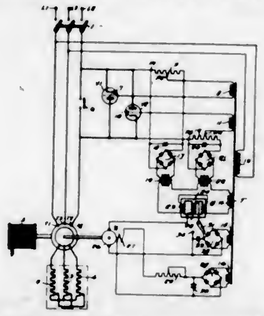
Frederik Hendrik Veranel, Amsterdam, Netherlands

Application March 21, 1947, Serial No. 736,320
In the Netherlands January 7, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 7, 1966
3 Claims. (Cl. 192—150)



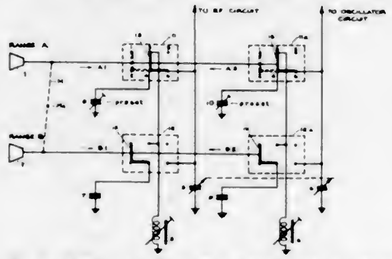
1. A clutch mechanism, particularly for use in an apparatus for operating a body to be moved in two opposite directions, comprising a first clutch element consisting of an axially fixed part adapted to be rotated in either direction and an axially movable part, the adjacent faces of said two parts having interengaging double sided wedge faces, a second clutch element adapted to be axially displaced against the action of a spring force, means for holding said second part of said first clutch element against rotation relative to said first part up to the moment of its engagement with said second clutch element thereby causing said wedge faces to effect axial displacement of said second part upon rotation of said first part in either direction, said wedge faces being dimensioned for producing a maximum axial displacement of said second part, greater than that necessary for engaging said second part with said second clutch element, and spring means arranged between said second part and said second clutch element and dimensioned to normally hold said wedge faces in full engagement with a force less than that counteracting the axial movement of said second clutch element.

2,597,141
MOTOR CONTROL
William R. Wickerham, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1946, Serial No. 701,754
4 Claims. (Cl. 318—203)



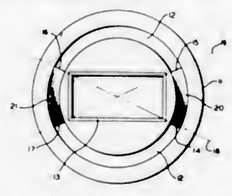
4. A motor control system, comprising a multiphase wound-rotor motor having primary terminals and a secondary resistance circuit, multiphase circuit means connected to said terminals to supply alternating current thereto, a controllable discharge tube having a plate circuit series-connected in one phase of said circuit means and having a control circuit for varying the conductive intervals of said tube, a source of variable control voltage having high-saturation transformers primarily connected to said secondary motor circuit and secondarily connected to said control circuit so as to provide said variable control voltage substantially in dependence upon the frequency of the voltage induced in the rotor of said motor, a source of a constant control voltage, said two voltage sources being connected to each other and being both connected to said control circuit for controlling the latter in accordance with the resultant effect of the two control voltages, and operator-actuable control means associated with one of said sources for selectively adjusting the variable control voltage and constant control voltage relative to each other so as to obtain a given control condition of said control circuit at a motor speed determined by the selected setting of said control means.

2,597,142
RADIO RECEIVER CIRCUITS
Arthur Henry Ashford Wynn, London, England, assignor to A. C. Cossor Limited, London, England, a British company
Application December 14, 1946, Serial No. 716,201
In Great Britain December 20, 1945
4 Claims. (Cl. 250—40)



1. In a radio receiver for receiving a band of high frequency waves and a band of low frequency waves, a tuned circuit comprising a single pre-set variable inductor whose inductance is variable over only a small range, a single tuning capacitor connected directly in parallel with said inductor and being variable to vary the frequency of said tuned circuit throughout the frequency ranges of both the high frequency band and the low frequency band, switching means having a high frequency band positioned and a low frequency band positioned, a pre-set capacitor whose capacitance is variable over only a small range and being connected in shunt to said inductor by said switching means in the high frequency band position thereof, and a fixed capacitor of greater capacity than said pre-set capacitor connected in shunt to said inductor by said switching means in the low frequency band position thereof.

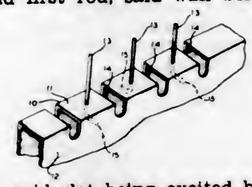
2,597,143
WAVE GUIDE JOINT
Walter A. Aron, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 2, 1945, Serial No. 608,601
8 Claims. (Cl. 178—44)



3. A joint for facilitating the transfer of electromagnetic energy between two rectangular wave guides having adjacently disposed and spaced ends comprising, a conductive flange integrally connected to each of said ends and defining a gap between said wave guide ends and the mutually directed faces of said flanges, at least one of said flanges having an annular groove formed therein communicating with said gap and having a geometric center substantially coincident with the longitudinal axis of its associated wave guide, the separation of said groove from the center of each broad wall of said wave guide and the depth of said groove each being substantially one quarter wave length long measured at the frequency of said energy, and two electrically conductive plugs disposed in said annular groove and terminating said groove at points determined by the intersection of diagonals drawn through the inside corners of the associated rectangular wave guide and said groove, whereby nulls of electric field intensity are produced at said points.

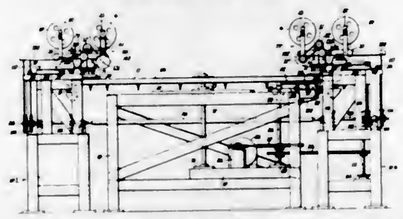
2,597,144
ELECTROMAGNETIC WAVE CONTROL STRUCTURE
Roger E. Clapp, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 14, 1945, Serial No. 616,391
15 Claims. (Cl. 250—33.63)

10. A system for the interchange of radio energy between a wave guide and free space comprising a wave guide, a rod mounted to the exterior of a wall of said guide, a second rod mounted to the interior of said wall substantially opposite said first rod, said wall being formed



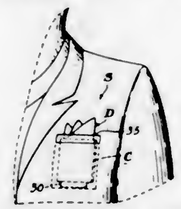
with a slot, said slot being excited by currents resulting from the presence of said second rod within said wave guide.

2,597,145
TRANSFER STAMPING MACHINE
Charles B. Gallagher, Red Bank, N. J.
Application December 29, 1947, Serial No. 794,228
3 Claims. (Cl. 41—1)



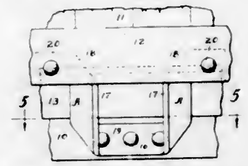
1. Web control apparatus for a transfer stamping machine, wherein the web includes raised, spaced, heat fusible impressions, comprising, in combination, stamping means to transfer the impressions from the web to workpieces, intermittent actuating means for said transfer means, a web supply reel, a web rewind reel, electric motor operated roller means intermediate of the web supply reel and web rewind reel to drive the web from the supply reel past the stamping means and to the rewind reel, first switching means controlled by said actuating means to initiate operation of said motor operated roller drive, a timer in the motor circuit to hold the current supply to the motor for a prescribed time period, and third switching means controlled by a raised impression on the web to disconnect the current supply from the motor operated roller drive.

2,597,146
SIMULATED HANDKERCHIEF
Stephen E. Ginal, Jr., Cleveland, Ohio
Application October 6, 1948, Serial No. 53,047
8 Claims. (Cl. 2—279)



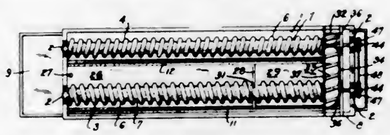
1. A display device for use in apparel pockets comprising a case having parts relatively movable for opening and closing the case, a display supporting member receivable within the case and a plurality of displays rotatively mounted on the support member for swinging movement between an exposed show position in which a portion of the display is disposed outside the case and a storage position in which the display is receivable between the closed case parts, the support member being hinged to one of the case parts to swing away from such case part providing clearance therebetween for rotation of the displays about the support member.

2,597,147
ONE-PIECE SUPPORTING BRACKET FOR TRACKS FOR SLIDING DOORS
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 8, 1947, Serial No. 778,624
2 Claims. (Cl. 16—94)



1. A one piece bracket for supporting a horizontal guide track of a sliding door construction from a vertically extending wall, said bracket comprising a horizontally disposed, flat securing section adapted to be fixed to said vertical wall, sections at opposite ends of said securing section bent outwardly at right angles to said securing section, along upwardly diverging lines forming upwardly and outwardly inclined arms, and laterally extending, right angular securing sections at the outer ends of said arms adapted to be fixed to the track.

2,597,148
EGG WASHING MACHINE
Roy A. Joseph, Petaluma, Calif.
Application November 10, 1947, Serial No. 785,015
4 Claims. (Cl. 15—3.13)



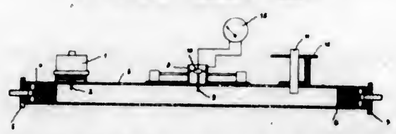
1. In an egg washing machine of the character described, a pair of parallel spaced rollers, spiral advancing ridges thereon, an inclined baffle along the side of each roller where the roller turns upwardly, a vessel under one of said rollers containing cleaning fluid, absorbent padding on said roller dipping into said fluid to absorb and carry said fluid, and absorbent padding on the adjacent baffle spaced above said fluid to wash and wipe the egg as the egg is rolled and shifted along said baffle by said spiral ridges of said roller, the outlet of the first roller and the inlet of the other roller being at the adjacent ends of the rollers and being substantially at the same level, a transverse conveyor along the outlet end of the first roller to convey eggs to the inlet end of the next roller to transfer eggs from the first to the second roller, a guide above said transverse conveyor to guide said eggs from said outlet to said inlet, and means to drive said rollers and said transverse conveyor in synchronism.

2,597,149

ULTRAHIGH-FREQUENCY MAGNETOMETER

Theodore Kahan, Paris, France, assignor to Office National d'Etudes et de Recherches Aéronautiques, Paris, France, a corporate body of France

Application March 29, 1949, Serial No. 84,067
In France August 5, 1948
3 Claims. (Cl. 175—183)



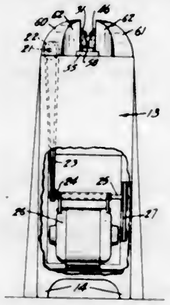
1. An ultra high frequency magnetometer comprising in combination a wave guide circuit, an ultra high frequency generator designed to feed said wave guide circuit, and transition means from said generator to said guide, a tuning plunger associated with said wave guide, a bar of magnetic material passing through the wall of the wave guide, its lower end being engaged in the guide and its upper part being positioned in the magnetic field to be measured, a voltage standing wave ratio-meter provided to detect a current depending on the coefficient of reflection of the wave against the bar, said coefficient of reflection depending on the magnetic permeability of the latter and consequently on the intensity of the magnetic field in which the outer end of the bar is engaged, and means for measuring said current.

2,597,150

KNIFE BLADE SHARPENER

Jerome J. Kilian, Minneapolis, Minn.

Application June 16, 1948, Serial No. 33,363
3 Claims. (Cl. 51—80)



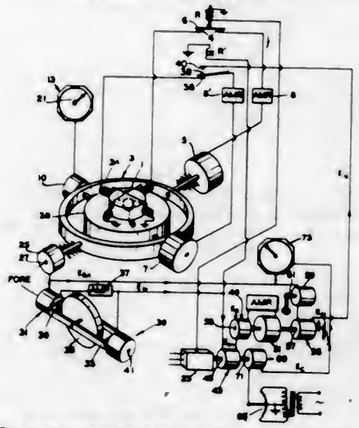
1. A knife sharpener comprising a wheel spindle supporting structure, a pair of wheel spindles having supporting portions mounted on said supporting structure and having wheel mounting portions extending outwardly from said supporting structure in converging relation one to the other, the wheel mounting portion of one of said spindles being disposed at less than a straight angle relative to the supporting portion thereof, a pair of beveled grinding wheels respectively mounted on the wheel mounting portions of said spindles and adapted to tangentially engage one another to define a line of contact therebetween, the supporting portion of the spindle having the wheel mounting and supporting portions thereof disposed at less than a straight angle being axially shiftable on its support along a line normal to a plane disposed tangent to both of said driving wheels through their line of contact.

2,597,151

COMPENSATED VERTICAL GYROSCOPE SYSTEM

Henry Konet, Hohokus, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application June 10, 1949, Serial No. 98,350
12 Claims. (Cl. 33—204)



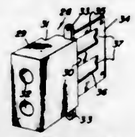
10. In a gyroscope system for use on a moving craft, a gyroscope, a support mounting said gyroscope for angular movement about its bank axis, pendulous means for precessing said gyroscope support about said axis, means responsive to rate of turn of the craft to render inoperative said pendulous means on said support when the craft changes direction, means producing a signal which is a function of the angle of tilt of the gyroscope relative to the craft, means to produce a signal proportional to the linear velocity of the craft and to the sine of the angle of latitude in which the craft is moving, and means utilizing said signals to precess the gyroscope support about said axis and to correct for errors caused by angular and linear velocities of the craft and for errors in bank of the craft while the craft changes its direction and to show the true angle of bank of the craft.

2,597,152

HOLDING AND GUIDE MEANS FOR MORTISING DRILLS

Frank J. Kornmayer, Chicago, Ill., assignor of forty-five per cent to Alfred H. Gemeinhardt, Chicago, Ill.

Application October 21, 1947, Serial No. 781,048
3 Claims. (Cl. 145—129)



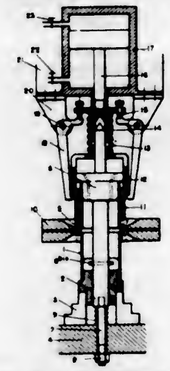
1. Holding and guiding means for a door and frame mortising drill comprising body means having cylindrical drill bit receiving supporting and guiding means adapted to be lined up with a crack existing between a door and door supporting frame and having, in addition, lateral apertured means whereby said body means may be temporarily nailed in a predetermined boring and mortising position in relation to said door crack, and door frame, and a single position establishing flange formed integral with said body means with the axis of said guiding means lying in the plane of said flange and adapted to occupy a set position between the door and frame surfaces which are to be drilled, said flange having at least one drill clearance slot axially aligned with said guiding means, said slot being of a width corresponding to the diameter of said guiding means, closed at the end remote from said body means and provided at said closed end with a centered boss constituting a drill stop.

2,597,153

WELDING THROUGH PRESSURE

Georges Henri Lagarde, La Varenne, and Joseph Bulota, Saint Maur, France, assignors to L'Air Liquide, Societe Anonyme Pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France

Application March 14, 1949, Serial No. 81,354
In France April 3, 1948
2 Claims. (Cl. 78—84)



1. In a device for the butt-welding of metal pipes, in combination, a fixed support for one of the pipes to be welded, a movable support slidably arranged relatively to said fixed support for supporting and axially moving the other pipe in alignment with the first one, a spring adapted to rearwardly urge the movable support, a stop on said movable support to determine its rear position, a welding torch surrounding the pipes at the places of the edges to be welded, a ring surrounding the pipe mounted on the movable support, means for supporting and guiding said ring along said movable support coaxially to the pipes, a power actuated reciprocating member arranged coaxially to the pipes and adapted to engage said movable support upon being moved towards the latter, a compression spring interposed between said ring and the power actuated reciprocating member, means for locking the ring in its rear position, stop members provided on said power actuated reciprocating member and adapted to operate said locking means for releasing the ring upon the power actuated member being moved towards the movable support for engaging the same.

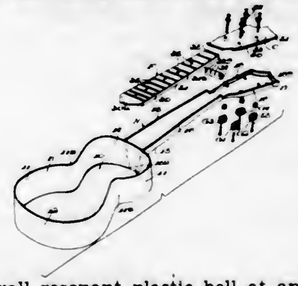
2,597,154

STRINGED MUSICAL INSTRUMENT

Mario Maccaferri, Rye, N. Y.

Application March 15, 1950, Serial No. 149,741
5 Claims. (Cl. 84—267)

1. In a stringed musical instrument including, in combination; a hollow, closed-wall resonant bell having the top side thereof open; a hollow neck on said bell; a head on said neck; said bell, said neck and said head being comprised of a one-piece, integral molded plastic component and said bell being shaped to substantially close the adjacent end of said neck; a sounding board comprised of a molded plastic component, said plastic sounding board having a sound opening therein and being directly cemented to said



closed-wall resonant plastic bell at and around the open side thereof in position thereon over and closing said open side to form with said bell a resonant all-plastic musical instrument body; a molded plastic finger board on and cemented directly to said neck; a head cover member on and cemented directly to said head on said neck; and keys mounted on said head and head cover member.

2,597,155

BELT BUCKLE

Clement Marien, Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware

Application June 24, 1949, Serial No. 101,097
3 Claims. (Cl. 24—191)



1. In a belt buckle, a frame of a width no greater than the width of the belt to be held having side and end bars, a front having a face plate with side flanges of a width sufficient to form a channel for said belt, means to attachably connect said side flanges to said side bars, a clamping member movably mounted on said frame, and a bail on said clamping member for attaching the end of the belt thereto and for moving the member to force the belt against the front whereby through tension on the attached belt end the belt portion in the front channel is clamped in the channel.

2,597,156

TREATMENT OF CELLULOSE ESTERS

Mervin E. Martin and Laurence G. Reed, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 22, 1949, Serial No. 72,271
10 Claims. (Cl. 260—230)

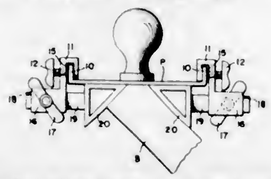
1. Process for the treatment of lower aliphatic acid esters of cellulose to render the same more stable, which comprises heating a lower aliphatic acid ester of cellulose in water under superatmospheric pressure, draining the water, again heating the lower aliphatic acid ester of cellulose in an aqueous solution of a lower aliphatic alcohol under superatmospheric pressure, removing the aqueous alcohol therefrom and washing the lower aliphatic acid ester of cellulose.

2,597,157
PORTABLE KNOCKDOWN ARTICLE SUPPORTING DEVICE
William C. Martino, Philadelphia, Pa., assignor of thirty per cent to Ernest Martino and thirty per cent to Albert B. F. Martino, both of Philadelphia, Pa.
Application March 31, 1950, Serial No. 153,116
2 Claims. (Cl. 248—150)



1. In a portable knockdown-type article hanging tree for use at the beach, a cylindrical open ended sleeve having circumferentially extruded portions defining duplicate socket members, the latter being polygonal in cross-section with their upper and lower ends spaced inwardly from corresponding ends of said sleeve, and a plurality of duplicate interchangeable arms, the latter being likewise polygonal in cross-section and having upturned hooks on their outer ends and downturned hooks on their inner ends, the latter being removably keyed in said socket members and being of lengths greater than the lengths of said socket members.

2,597,158
CHAMFER ATTACHMENT FOR HAND PLANES
Philip J. Mastripolito, Philadelphia, Pa.
Application October 13, 1950, Serial No. 189,909
1 Claim. (Cl. 145—20)

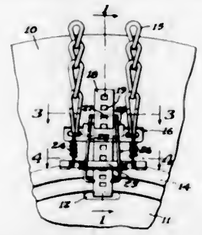


A device for attachment to hand planes comprising two main unitary pieces, one a holding block and a supporting bracket therefor in rigid relation therewith, and the other a shaft and a parallel bar having an inner face corresponding to the predetermined degree of the bevel to be formed on the stock and in rigid relation with said shaft, means to secure the supporting bracket in rigid relation with the plane, the holding block having a non-circular orifice through which the shaft, having for at least part of its length a similar contour, slidably extends, the shaft having on its outer end portions calibrations adapted, by said sliding movement, to be adjusted to register with the holding block, and a thumb screw by means of which the shaft and the parallel bar carried thereby are secured in such adjusted position and in rigid relation with the block, its supporting bracket and the plane.

2,597,159
CONDENSATION OF AROMATIC HYDROCARBONS WITH FORMALDEHYDE CATALYZED BY FORMIC ACID
Paul D. May, Galveston, and Robert J. Lee, Lamarque, Tex., assignors to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
No Drawing. Application April 27, 1950, Serial No. 158,596
12 Claims. (Cl. 260—668)

1. A process which comprises contacting an aromatic hydrocarbon having at least one unsubstituted nuclear carbon atom and formaldehyde with a catalyst consisting essentially of formic acid at a temperature between about 10° C. and about 130° C. and separating an organic chemical condensation product thus produced.

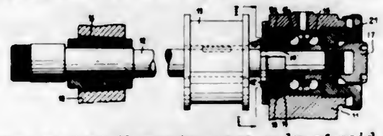
2,597,160
ANTISKID DEVICE FOR AUTOMOBILE TIRES AND THE LIKE
Walter L. McGuinness, Waltham, Mass.
Application October 4, 1950, Serial No. 188,322
6 Claims. (Cl. 152—237)



1. In an emergency traction device for automobile tires and the like, said device including one or more road-engaging elements, a fellystraddling band, and a pair of cross pieces through which the ends of the road-engaging element or elements are connected to the band, one of these connections being a detachable connection comprising complementary fastening means associated with the particular cross piece and the corresponding leg of the band, the combination of a member serving to prevent accidental disengagement of said cross piece and said leg having a portion formed to be looped about said leg and a portion adapted to overlie said cross piece, and means for holding said last-mentioned portion tightly against said cross piece.

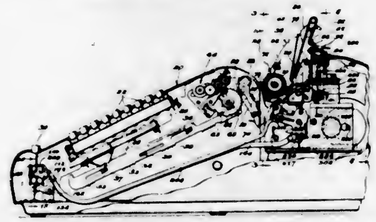
2,597,161
BEARING STRUCTURE
Guillaume Ernest Mégel and Henri Mancia, Moutier, Switzerland, assignors of one-half to Usines Tornos Fabrique de Machines Moutier S. A., Moutier, Switzerland
Application June 22, 1948, Serial No. 34,388
In Switzerland June 28, 1947
5 Claims. (Cl. 308—189)

1. In a bearing structure for the rotating spindle of a headstock, the combination of a shoulder on the spindle, an auxiliary thrust ring in the headstock serving as a thrust bearing for said shoulder, a ball bearing on the side of said thrust ring opposite said shoulder having its inner race fast on the spindle and its outer race slidably seated in the headstock, a pressure ring between said thrust ring and said ball bearing



acting against the outer race only of said bearing, and compression springs between said thrust ring and said pressure ring thereby to preload said ball bearing.

2,597,162
COLUMNAR SELECTION CARRIAGE
Thomas O. Mehan and George J. Uhlig, Park Ridge, Ill., assignors to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application May 14, 1949, Serial No. 93,318
13 Claims. (Cl. 197—177)



1. In a printing calculating machine having a frame and a carriage mounted for sliding movement on the frame, the combination of an electric motor, reversible driving means for the carriage including a clutch, a member secured to the carriage, said member providing an indication of the center of the carriage and two different indications respectively for the portions of the carriage to the right and to the left of the center, a plurality of selecting elements to determine the columnar position to which the carriage is to be moved, a pair of bails, means cooperating with said member and operated by the selecting elements to swing one or the other of said bails depending upon the position of said member with respect to the means operated by an operated selecting element, and operating connections between said bails and said clutch whereby the bail which is swung will determine the direction in which the carriage is to be driven by said reversible driving means to move it to the position determined by the operated selecting element.

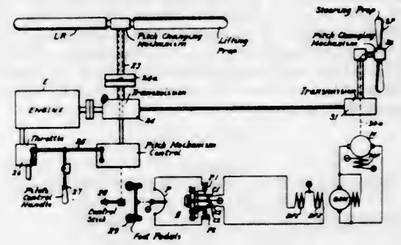
2,597,163
HEAT-RESISTANT NYLON CLOTH PRODUCED BY REACTION WITH QUINONES
Edwin B. Michaels, Stamford, Conn., and Samuel Machlis, New Rochelle, N. Y.
No Drawing. Application November 25, 1949, Serial No. 129,526
3 Claims. (Cl. 8—115.5)

1. A heat resistant polyamide fabric produced at the process of impregnating a water insoluble polyamide woven cloth in which the polyamide has the formula

$$[.NH.(CH_2)_x.NH.CO.(CH_2)_y.CO.NH.(CH_2)_x. \ . \ .]$$

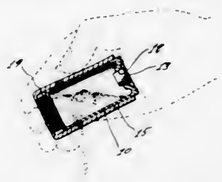
where x and y are integers greater than 1, with a 0.5%–5% aqueous solution of a quinone of the class consisting of benzoquinone, and anthraquinone having a pH of less than 7 at a temperature ranging from 15° C. to 100° C. for a period of time ranging from 12 seconds to 24 hours.

2,597,164
HELICOPTER CONTROL SYSTEM
Stanley J. Mikina, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 14, 1947, Serial No. 785,885
9 Claims. (Cl. 244—17.13)



8. In a system of control for a helicopter havmechanism for the steering propeller, the combination of, a motor for driving the pitch changing mechanism, a generator for energizing the motor, field winding means for the generator, a gyroscope having at least one axis of freedom constituting the axis of precession thereof, means securing said gyroscope to said helicopter to respond to the velocity of helicopter motion about the turn axis thereof and produce precessional torques proportional thereto, contact means responsive to said precessional torques for exciting said field winding means, means responsive to acceleration of said helicopter about the turn axis thereof for biasing said gyroscope about the precession axis thereof, and manually operated means for biasing said gyroscope about said precession axis.

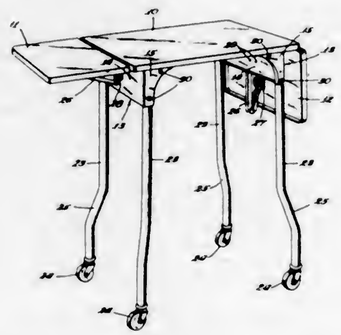
2,597,165
CONDIMENT DISPENSER
Franklin J. Minturn, Toms River, N. J.
Application October 4, 1947, Serial No. 777,966
1 Claim. (Cl. 222—513)



A condiment dispenser comprising a hollow container part having a closed top and a bottom with a filler opening therein, a plug adapted to fill the filler opening and to retain the condiments within the part, said container part having radially extending openings circumferentially spaced therearound and near to the top portion thereof and projections extending radially outwardly from the exterior surface thereof, a slidable closure cap adapted to extend substantially

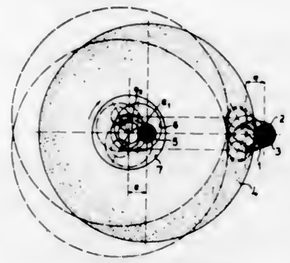
to the bottom of the container part and having a closed top portion, said cap having diametrically opposed dog leg shaped grooves, each of said grooves comprising two vertically disposed portions and a horizontal portion connecting the lower end of one vertical portion with the upper end of the other vertical portion, said grooves extending longitudinally within the cap and adapted to receive the projections on the container part, said diametrically opposed grooves serving to permit sliding movement of the sleeve upon the container part to retain the cap upon the container part for sliding movement and as the cap is rotated on the container part to permit the removal of the cap from the container part, and a spring means extending between the top portion of the container part and the top of the cap normally urging the cap from the container part, said horizontal portions in the cap limiting the outward movement of the cap upon the container part.

2,597,166
END BRACKET FOR UTILITY STANDS
Jack W. Murray, Salem, Wis.
Application February 18, 1949, Serial No. 77,215
1 Claim. (Cl. 311—105)



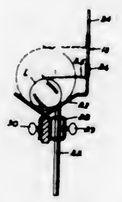
An end bracket for a utility table having a top panel with a pair of double leg frames each consisting of a horizontal top bar with downwardly curved corner portions terminating in downwardly extending legs; said end bracket consisting of a generally rectangular end plate vertically disposed under the top panel with a horizontal flange along the upper edge of said end plate bearing against the under surface of the panel and with additional integral reinforcing means extending across the end plate below said flange, each end of the end plate having a curved portion extending into and integral with a pair of identical and opposite corner plates lying in generally parallel planes with each other but spaced apart, said corner plates each having a horizontal inwardly extending flange along the upper edge thereof and a curved flange partially encircling one of the curved end portions of each of the double leg frames, the lowermost end of each of said curved flanges lying substantially parallel with but spaced from the end plate and each of said flanges extending upwardly and outwardly therefrom in a curve terminating in a generally horizontal portion spaced below the end of the horizontal flange of said corner plate, together with means on said bracket for securing it to the leg frames of the table.

2,597,167
MACHINE FOR GRINDING THE MAIN BEARING PINS AND CRANKPINS OF CRANKSHAFTS
Robert Musyl, Vienna, Austria
Application May 28, 1949, Serial No. 96,096
In Austria June 10, 1948
15 Claims. (Cl. 51—90)



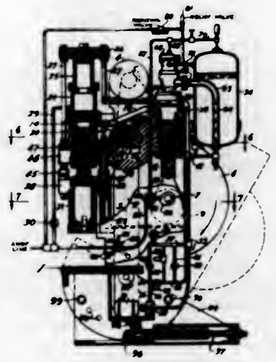
1. An external grinding machine particularly for crankshafts comprising, in combination, a plurality of individual grinding units, each unit comprising an eccentric gear, a grinding wheel rotatably and eccentrically supported by said gear, drive means for said gear, and means to rotate said grinding wheel.

2,597,168
OPTICAL BENCH
Charles W. North, Excelsior, Minn.
Application February 24, 1948, Serial No. 10,310
7 Claims. (Cl. 88—1)



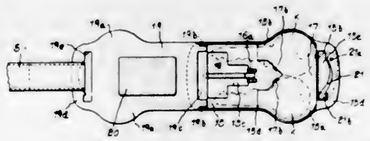
1. In an optical bench, an elongated measuring member generally rectangular in cross-section, a lens supporting device comprising clamping means having a generally U-shaped portion adapted to embrace the measuring member, fastening means on one arm of said U-shaped portion for fastening said clamping means to the measuring member, said clamping means having a channel shaped portion extending at right angles from the end of the other arm of said U-shaped portion, aligned apertures in the horizontal webs of said channel portion, a vertically disposed stem adjustably supported in said holes, a generally V-shaped lens engaging member secured to the top of said stem with its apex disposed approximately over the center of the bottom of said U-shaped clamping portion, an upright carried by the V-shaped member and extending generally vertically from one arm of the V, and a spring finger adjustably mounted on said upright and extending outwardly over the open end of the V-shaped member and cooperating therewith to support a lens with the axis substantially parallel to the measuring member.

2,597,169
HYDRAULIC PRESS IN WHICH THE THRUST OF THE RAM AND THE REACTION OF THE SLIDE BAR ARE EQUALIZED
Alois Karl Nowak, Evanston, Ill.
Application August 21, 1947, Serial No. 769,913
5 Claims. (Cl. 100—71)



1. In a press, a work bed, a slide movable toward and away from the bed, a frame having an upright portion provided with a connecting block at its upper end, a hydraulic power-transmitting device having a driving piston and cylinder mounted on one side of said upright portion and a substantially parallel driven piston and cylinder mounted on the opposite side thereof, a fluid connection between said cylinders, an eccentric mechanical drive for the driving piston to impart substantially simple harmonic motion to such piston and through the fluid connection with the driven piston to impart similar motion to that piston, and means connecting the driven piston to the slide, said cylinders being rigidly associated with the connecting block and of such cross-sectional area and so spaced from said upright portion of the frame that the moments exerted on the connecting block by said driving and driven cylinders and pistons are substantially equal and opposite, thereby substantially eliminating bending stresses from being developed in said upright portion of the frame during the press operation.

2,597,170
KEY RETAINING BUCKLE
Frank Oldal, Yonkers, N. Y.
Application March 9, 1951, Serial No. 214,699
9 Claims. (Cl. 224—26)

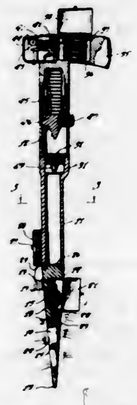


1. A belt buckle comprising a pair of cover plates relatively movable into and out of opposed relation wherein said plates define between them a key-retaining recess, one plate having a belt-receiving opening, the plates forming at one end thereof a belt-receiving slot communicating with said opening through the recess, a belt-retaining prong pivoted on said one plate and adapted to extend over said opening, a belt-securing device at the end of said plates remote from the slot, a flexible key-retaining element in the recess on one of the plates and engageable with a key in said recess when the plates are in said opposed relation, to urge the key against the other plate, and releasable means on the plates for securing them in said opposed relation.

2,597,171
CHLORINE CONTAINING CONDENSATION PRODUCTS OF PHENOLS AND SULFONATED ACETALDEHYDES
Julian A. Otto, Long Island City, and Everett E. Gilbert, Flushing, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 8, 1949, Serial No. 97,914
17 Claims. (Cl. 260—49)

13. The method of preparing a chlorine containing product which comprises condensing at 25–135° C. acetaldehyde disulfonic acid with a monohydroxy phenol of the benzene series having one hydrogen atom in at least one of the positions ortho and para to the hydroxyl group and containing from 0 to 3 nuclear chlorine atoms and not more than one alkyl group, said alkyl group having not more than 8 carbon atoms, from 1 to 2 mols of phenol compound being reacted per mol of said disulfonic acid, the condensation reaction taking place in the presence of an acid condensing agent, and chlorinating the resulting reaction mixture.

2,597,172
ILLUMINATING CANE
Jetro Parker, Pine Bluff, Ark.
Application May 25, 1950, Serial No. 164,249
2 Claims. (Cl. 135—47)



1. A walking cane assembly comprising lower, intermediate and upper sections, said lower section having a compartment, a battery disposed in said compartment, a plurality of lamp bulbs electrically connected with the battery and socketed into the outer face of the said lower section whereby to distribute light over the terrain surrounding said cane while using the cane at night, said sections being releasably coupled to one another.

2,597,173
TITANIUM ADDITIONS TO STAINLESS STEELS

Walter M. Patterson, Freeport, Pa., assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa., a corporation of Pennsylvania

No Drawing. Application February 7, 1951, Serial No. 209,913
11 Claims. (Cl. 75—130.5)

1. A process for making chromium-containing alloy steel having a titanium content in the form of titanium carbide and having highly improved hot working properties which comprises, providing a molten ferrous metal bath, melting down alloying ingredients in the molten ferrous metal bath under a slag blanket to provide a molten alloy bath, making any further additions to the molten metal alloy bath, directly introducing titanium to the metal of the molten alloy bath, holding the titanium-containing alloy bath under a supernatant slag blanket for a minimum period of about one hour and until the titanium has fully diffused through the molten metal and formed titanium carbide, and tapping the metal of the bath.

2,597,174
HINGE

John W. Patton, Philadelphia, Pa., and Roger G. Cudini, Birmingham, Mich.; said Patton assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application August 18, 1948, Serial No. 44,884
3 Claims. (Cl. 20—16)



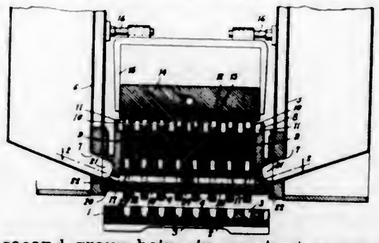
2. In combination with a door including a substantially U-shaped vertical recess formed therein, a hinge for connecting the door with an adjacent jamb comprising, a pair of leaves secured to the outer faces of the door and jamb and having spaced apart projecting portions intermeshing with each other, substantially U-shaped vertically aligned knuckles formed on and offset inwardly from the unexposed faces of said intermeshing projecting hinge leaf portions and adapted to fit into the U-shaped vertical recess in the door when the hinge is applied in operative position, and means pivotally connecting said offset aligned knuckles, the exposed faces of said pair of hinge leaves cooperating to form a substantially flat unbroken surface when the door is closed.

2,597,175
DEPOSITOR FOR CONFECTIONERY MACHINES

George S. Perkins, Kew Gardens, N. Y., assignor to National Equipment Corporation, New York, N. Y., a corporation of New York

Application March 16, 1949, Serial No. 81,727
3 Claims. (Cl. 107—29)

1. A depositor for confectionery machines comprising, a plurality of cylinders arranged in a number of rows, a piston mounted for vertical reciprocation in each cylinder, a fixed apertured plate located below the lower ends of the cylinders, said plate having an aperture located below each of the cylinders, a movable cut-off plate located between the apertured plate and the lower ends of the cylinders, said cut-off plate having a plurality of grooves in its upper face, said grooves each having an inner closed end located adjacent to the center line of the cut-off plate and having an outer open end opening at an edge of the said plate, said grooves being in two separate groups, the open ends of the grooves in one group being in constant communication with a first supply hopper, the open ends of the grooves in

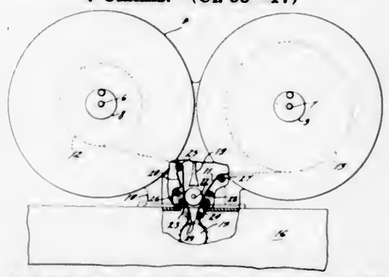


the second group being in constant communication with a second supply hopper, the cut-off plate having delivery openings extending through it between the grooves and adapted to be aligned with the cylinders and the apertures in the fixed plate when the grooves are disaligned with the lower ends of the cylinders.

2,597,176
FILM SUPPLY AND TAKE-UP APPARATUS

James L. Pettus, Encino, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application December 22, 1949, Serial No. 134,555
7 Claims. (Cl. 88—17)



1. A light trap and film driving energy transfer mechanism for a film magazine having supply and takeup reels, comprising a large central roller at the exit and entrance points of film from and to said magazine, a roller on each side of said central roller and adapted to contact said central roller when no film is between them, means for tensioning said pair of rollers toward the axis of said central roller, said pair of rollers pressing said film against said central roller when said film is between said central roller and said pair of rollers, and high traction resilient material on said central roller for providing driving traction between said film and said central roller when said film is pressed against said means by said pair of rollers.

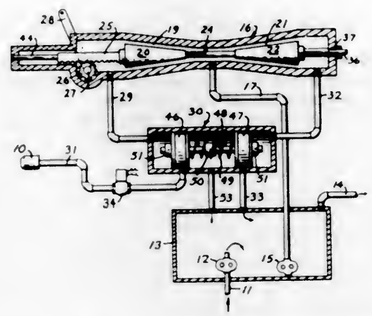
2,597,177
ADJUSTABLE VISCOSITY SENSITIVE BURNER CONTROL

Raymond B. Plass, Berkeley, Calif., assignor, by mesne assignments, to Ray Oil Burner Co., a corporation of California

Application August 30, 1949, Serial No. 113,172
3 Claims. (Cl. 137—166)

3. A viscosity control system comprising a pair of controlled passages for reception of fluid from

a single source, a discharge area for each passage, a pressure balancing valve communicating with the discharge of both passages to maintain equal pressures adjacent the discharge areas of the passages, said valve comprising a cylinder communicating at each end with one of said passages and having side wall outlets, a pair of pistons

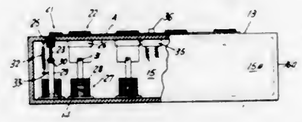


slidable in the cylinder to valve said outlets, and resilient means urging the pistons apart and opposed by pressure in the cylinder ends to urge them together and open said outlets, said pistons and resilient means being slidable as a unit in the cylinder whereby high pressure at one end of the cylinder tends to close the outlet for the other end.

2,597,178
SHEET POSITIONING AND CLAMPING MEANS

Albert Pleydell and Rose Pleydell, Bellerose, and Jean F. McIntyre, Flushing, N. Y.

Application April 27, 1950, Serial No. 158,536
3 Claims. (Cl. 101—126)

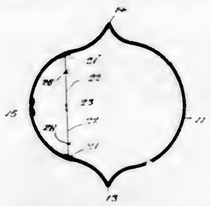


2. In a silk screen printing apparatus comprising a base having a work supporting surface and a silk screen frame mounted for movement towards and away from said surface, sheet gauging means on said base comprising an angular member having a pair of legs substantially at right angles to each other, said means being arranged whereby one of said legs is movable in a direction substantially at right angles to said surface, while the other leg is disposed substantially parallel to said surface, a solenoid including a movable plunger, means for operatively connecting said plunger to the first mentioned leg of said gauging means, said solenoid being adapted to be energized to move the plunger thereof in a direction to bring the second mentioned leg of said gauging means toward said work supporting surface, a switch in circuit with said solenoid for controlling the movement of the plunger thereof, said switch including operating means adapted to be engaged by said silk screen frame upon movement thereof toward said work supporting surface.

2,597,179
MEANS FOR KEEPING TROUSER CREASE STRAIGHT UPON THE LEGS

Michael Pohlod, Jersey City, N. J.

Application September 9, 1950, Serial No. 183,948
6 Claims. (Cl. 2—233)

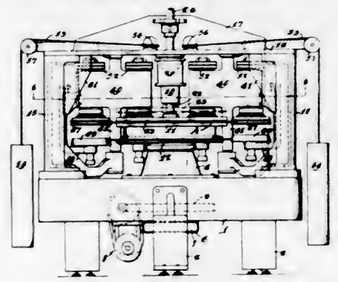


2. The combination with loosely hanging trousers having two legs, front and rear creases extending lengthwise of each of the trouser legs, and defining inside and outside panels, the inside panels of said legs confronting one another and each having an inner seam extending lengthwise of the trouser leg between said creases, of a connecting element extending across said seam at knee height, said connecting element comprising two patches of substantial area secured to the inside panel of the trouser leg on opposite sides of said seam, and means including an elastic thread anchored to said patches, the unstretched length of said means between said anchoring positions being less than the distance between said anchoring positions as measured along the surface of the trouser fabric.

2,597,180
ROTARY EDGE GRINDING MACHINE

William A. Reaser, Toledo, and Elmer A. Ziems, Rossford, Ohio, and John M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio, a corporation of Ohio

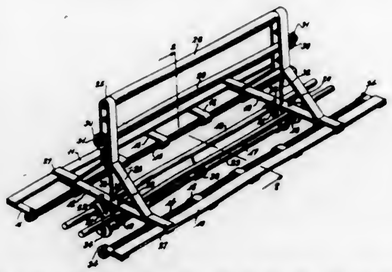
Application May 6, 1950, Serial No. 160,488
12 Claims. (Cl. 51—101)



1. In a plate edge grinding machine having a means for clamping and rotating a work plate with a portion at least of its edge exposed for grinding, the combination of a member pivotally mounted for swinging movements toward and away from the edge of a plate held by said means and about an axis substantially parallel to the axis of rotation of said clamping means, a frame pivotally carried by said member with its pivot axis parallel to that of the member, a plurality of edge grinding wheels carried by said frame for rotation about different parallel axes and in the plane of rotation of a plate carried by said clamping means, means carried by the frame for driving said wheels, means acting on said member

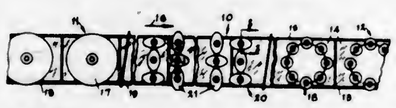
and frame to yieldingly hold the wheels in edge grinding engagement with the edge of a work plate during rotation with said clamping means, and cooperating template means on said first means and frame for guiding the grinding wheels.

2,597,181
BOTTLE HANDLING DEVICE
Arthur O. Reinking, Oaklyn, N. J.
Application May 27, 1948, Serial No. 29,522
9 Claims. (Cl. 294—87.26)



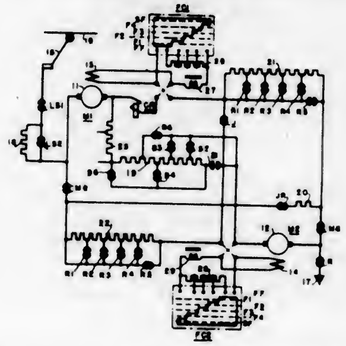
6. A bottle pick-up carrier adapted to be placed over and between pre-arranged rows of bottles comprising, in combination, a pair of spaced parallel bars, cross-pieces fixedly connecting said bars, another pair of spaced parallel movable bars substantially co-extensive with and between said other bars and positioned beneath said cross-pieces, link arms having one end rotatably encircling said movable bars, respectively, at the cross-pieces and their other ends extending downwardly and each having fingers extending over the cross-pieces and slidably resting thereon whereby the cross-pieces slidably support said movable bars for movement thereon toward and from said fixed bars, a handle structure attached to said cross-pieces, manually operable means disposed between said movable bars and connecting the lower ends of said link arms and operable to move said link arms to slide said movable bars in unison toward and from their adjacent fixed bar, respectively, and resilient yieldable means mounted along the length of said fixed bars in cooperative opposition to their adjacent movable bar and freely yieldable to the pressure of bottles thereagainst, whereby upon being inserted over and between the necks of two rows of bottles, the necks of said bottles are yieldably gripped between said movable bars and resilient yieldable means and may be lifted and whereby any bottle unduly restrained against lifting will be withdrawn from between said bars and resilient yieldable means.

2,597,182
SURFACING GLASS SHEETS OR PLATES
George E. Rickner and Oscar F. Koenig, Ottawa, Ill., assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 31, 1949, Serial No. 84,674
14 Claims. (Cl. 51—283)



1. In a method of surfacing glass sheets or plates in which a surface of such a plate is first ground with sand of progressively increasing fineness applied with hard tools and then polished with rouge under relatively soft tools, the step of smoothing said surface after grinding and before polishing by rubbing a mixture of rouge and pumice with copperas in a liquid carrier over said surface with compressible tools.

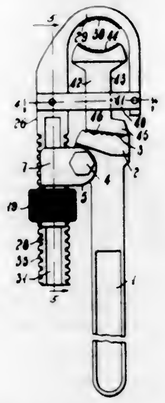
2,597,183
MOTOR CONTROL SYSTEM WITH DYNAMIC BRAKING
Lynn G. Riley, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1949, Serial No. 95,904
15 Claims. (Cl. 318—255)



1. In a control system, in combination, a motor, main power conductors, control power conductors, switching means for connecting the motor to the main power conductors, additional switching means for establishing dynamic braking connections for the motor, manually operable control means for controlling the operation of said first-named switching means, relay means having contact members cooperating with said control means in controlling the operation of said additional switching means, said relay means having a closing coil and a holding coil, interlocking contact means actuated by said first-named switching means and cooperating with said control means to control the energization of said closing coil through said control power conductors, and contact means on said control means for controlling the energization of said holding coil.

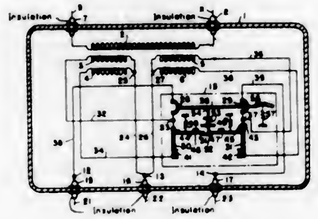
2,597,184
JAW ASSEMBLY FOR WRENCHES OF THE STILLSON TYPE
Brereton Roberts, Cimla, South Wales
Application October 29, 1948, Serial No. 57,290
In Great Britain November 5, 1947
3 Claims. (Cl. 81—126)

1. An adjustable wrench comprising a handle having a working face at one end thereof, an intermediate jaw member separate from said handle and provided with a working face adapted to be disposed upon the working face of the handle, a connecting structure, means pivoting said connecting structure on said handle, an adjustable outer jaw member having a shank and a jaw part formed with a work-engaging face, said shank being formed with thread-engaging elements and being slidably mounted in said connecting structure, means mounting said intermediate jaw member on said adjustable outer jaw member for relative movement therebetween while supporting said intermediate jaw member on said handle, a nut embracing said shank and said connecting structure, said nut having an internal thread which engages with said



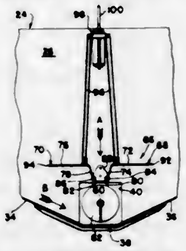
thread-engaging elements, and means swivelling said nut on said connecting structure whereby rotation of said nut adjusts the work-engaging face of said outer jaw member either toward or away from said intermediate jaw member.

2,597,185
SELF-PROTECTED DISTRIBUTION TRANSFORMER
Fred C. Roeding and Gerhard M. Stein, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1950, Serial No. 137,702
11 Claims. (Cl. 175—294)



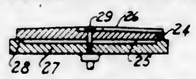
6. In combination, an electrical transformer comprising a casing, a primary winding and a secondary winding within the casing, the secondary winding comprising a plurality of groups of winding coils, each group comprising at least a pair of the winding coils connected in parallel circuit relation and terminating in a junction point, a circuit breaker in the casing, a secondary circuit path from each of the junction points to a transformer terminal including circuit breaker contact members for interrupting the flow of current from the transformer, and temperature responsive means responsive to the current flowing in one of the winding coils of a group only disposed for operating the circuit breaker to interrupt the secondary circuit.

2,597,186
FEED CONTROL GATE FOR MATERIAL-HANDLING HOPPERS
Merrill W. Roscoe, Moline, Ill., and Royal L. Beldin, Davenport, Iowa., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 9, 1949, Serial No. 126,271
9 Claims. (Cl. 222—317)



1. A material-handling device, comprising: a hopper having opposite end walls and downwardly sloping bottom walls converging to a trough extending between the end walls so that material contained in the hopper has gravity flow to the trough; means providing a material-outlet opening in one end wall in alinement with the trough; an auger, rotatable in the trough on an axis lying lengthwise of the trough, for moving material out of the hopper through said end wall opening; material-feed-control means in the hopper and enclosing the upper and side portions of the auger and trough to prevent material in the hopper from flowing into the auger and trough, said means including a pair of movable side sections for respectively opening said means to both sides of the auger and trough, and a movable top section for opening said means to the top of the auger and trough; means for actuating the sections, including interconnecting means effecting simultaneous opening or closing movement of all three sections; and said sections being so proportioned and arranged that each side section effects a wider opening than the top section, whereby the flow of material from the hopper into either side of the auger and trough is greater than the flow into the top of the auger and trough.

2,597,187
ADJUSTABLE LAP
Raymond G. Roshong, North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1949, Serial No. 78,602
4 Claims. (Cl. 51—209)



1. In a lapping machine, a lapping tool comprising in combination a circular platen mounted for rotation about a vertical axis, said platen having a raised upper peripheral surface, a circular lapping plate of appreciable thickness and formed of a material having limited flexibility centrally disposed on said platen, there being a circular well formed in the upper surface of said plate the rim of which, in combination with the upper peripheral edge of the plate, defines a ring-like convex frusto-conical lapping surface, the lower peripheral edge of the plate resting upon said peripheral surface of the platen and the medial regions of the underneath surface of

the plate being spaced from the surface of the platen, there being a series of spaced radially disposed grooves formed in the upper surface of said plate and extending completely across said lapping surface and of a depth sufficient to lend added flexibility to the plate as a whole, there being a similar series of spaced radially disposed grooves formed in the lower surface of said plate and of a depth sufficient to lend further flexibility to the plate as a whole, the grooves in the upper and lower surfaces of the plate being circumferentially staggered on opposite sides of the plate, and adjustable clamping means extending axially and centrally through said plate and cooperating with the platen for drawing the central regions of the plate toward the upper face of the platen to thus flex the plate and alter the contour of the lapping surface thereof from its original convex frusto-conical shape, through a planar condition to a shape wherein it assumes a concave frusto-conical condition.

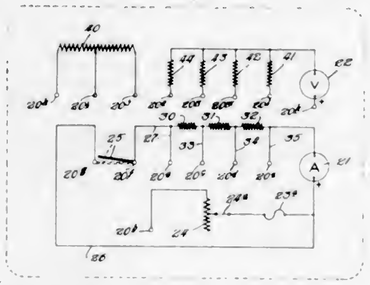
2,597,188

LOW-VOLTAGE CIRCUIT TESTER

Benjamin Rozett, Chicago, Ill., assignor to Joseph Weidenhoff, Incorporated, a corporation of Illinois

Application August 18, 1948, Serial No. 44,906

1 Claim. (Cl. 171—95)



Circuit testing apparatus of the character described, comprising: a casing having a plurality of terminals projecting from one face thereof; an ammeter in the casing, said meter having an indicating portion visible externally of said face; a circuit of negligible resistance connecting one of said terminals to one side of said meter; a circuit including a variable resistance and a fuse connected in series between another of said terminals and said side of said meter; and circuit components in said casing connecting other of said terminals to the other side of said meter for providing a plurality of meter ranges, said fuse being of lower amperage than at least the highest of said meter ranges for rendering said resistance circuit inoperable on at least said highest range.

2,597,189

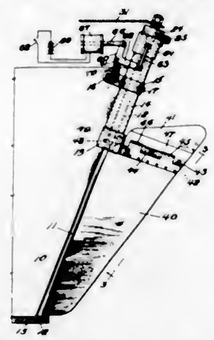
STEERING RUDDER

Henry F. Sands, Cranston, R. I.

Application April 7, 1949, Serial No. 86,003

4 Claims. (Cl. 114—167)

1. A steering rudder comprising a body section mounted for rotation about a vertical axis, a wing section hinged to said body section on an axis extending laterally to and through said vertical axis, means to swing the sections about the vertical axis, and means including a fixed rack element, a pinion meshing therewith, said pinion fixed to the wing section coaxial with the lateral hinge axis of the wing section to swing the wing section about its lateral axis as both sections are



swung about said vertical axis so that the leading surface of the wing section will move toward the leading surface of the body section.

2,597,190

PROCESS FOR THE PRODUCTION OF 17-HYDROXYPREGNANES

Lewis Hastings Sarett, Princeton, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application July 15, 1950, Serial No. 174,120

11 Claims. (Cl. 260—397.4)

1. The process for introducing a hydroxyl group at the 17-position in a steriod compound containing a 20-cyano group and a double bond between the 17- and 20-carbon atoms which comprises treating said compound with a permanganate in a non-acid reaction medium.

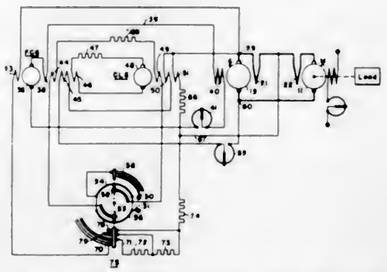
2,597,191

ADJUSTABLE CURRENT COMPENSATION ON DYNAMIC-ELECTRIC MACHINE

Walter Schaelchlin, Buffalo, N. Y., and Amos J. Winchester, Jr., Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 25, 1948, Serial No. 51,262

6 Claims. (Cl. 318—143)



1. In a motor speed control of the class described, in combination, a motor, differentially compensating field windings and commutating field windings for the motor, said field windings producing a differential compounding effect that normally increases as the speed of the motor increases, a variable voltage generator connected to drive said motor, means for varying the excitation of the variable voltage generator, means for providing for the variable voltage generator a component of field excitation that varies as the current delivered to the motor varies, and means, ganged in operation with the means for varying the voltage of the variable voltage generator, for decreasing the relative magnitude of the said component of field excitation per motor current variations as the speed of the motor is increased to thus decrease the normal increase in differential compounding with an increase in motor speed.

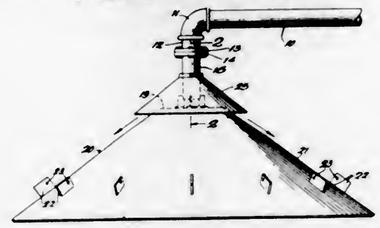
2,597,192

LIQUID DISTRIBUTOR

Claude B. Schneible, Detroit, Mich., assignor to Claude B. Schneible Company, Detroit, Mich., a corporation of Michigan

Application July 28, 1949, Serial No. 107,237

3 Claims. (Cl. 261—121)



1. In liquid distributing means, a truncated cone provided with a flat top wall, spaced standards carried by said wall and extending thereabove and providing therebetween outlet sectors of equal dimensions, an inlet pipe having its upper end fixed to the top portion of said standards for discharging liquid downwardly and outwardly through the arc outlets provided by said standards, a sleeve slideably mounted upon said pipe, a cone member carried by said sleeve, and a removable spacer member enclosing said pipe and resting upon the top of said standards for supporting said cone member above said standards.

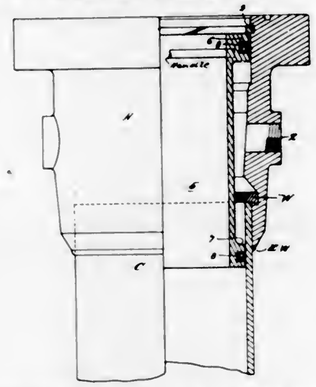
2,597,193

JOINT LEAK TESTER

Donald U. Shaffer, Brea, Calif., assignor to Shaffer Tool Works, Brea, Calif., a corporation of California

Application August 2, 1948, Serial No. 42,025

1 Claim. (Cl. 73—46)



A one-piece jointless casing head tester comprising a cylindrical shell of a diameter approximating that of a respective casing head and having its upper portion substantially seating on the upper bore of said head, said shell being recessed peripherally and longitudinally to form shoulders between which is formed a fluid pressure chamber extending beyond each side of a welded pipe joint inset head when the shell is installed, the lower end of the head telescopically fitting on the upper end of the welded pipe, and fluid pressure packing rings arranged in the peripheral recesses of the upper and lower portions of the shell and extending beyond the outer peripheral faces of the shoulders, said packing rings each being provided with a groove in the side wall facing the pressure chamber whereby the packing rings will be forced radially into sealing contact by the pressure of the fluid in said chamber.

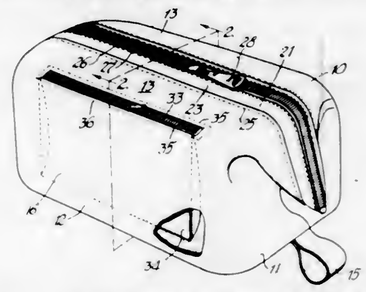
2,597,194

PORTABLE UTILITY CASE

Morris A. Sholl, Los Angeles, Calif.

Application July 11, 1951, Serial No. 236,243

6 Claims. (Cl. 190—41)



1. In a portable utility kit, a case having a substantially flat base and connected side walls and end walls and having upper extensions integral with said side and end walls forming the top of said case; said case having a substantially central opening; a slide fastener mounted along said central opening; said case having a longitudinally extending slot substantially adjacent to one side wall thereof; a slide fastener mounted to selectively close said slot; an auxiliary pouch depending from said side slot and having its upper edges secured to one of said top extensions and to the upper edge of one of said side walls; a rigidifying sheet-like element mounted on said side wall adjacent said pouch; and a flexible partition extending from the intermediate portion of the upper part of said case to the lower corner adjacent the lower part of said pouch, said partition providing an inwardly expandable chamber for said pouch.

2,597,195

VAPORIZER

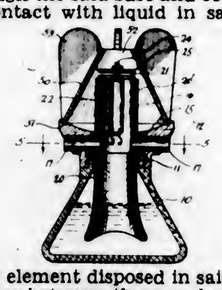
Charles V. Smith, Seattle, Wash., assignor to Garland D. Runnels, State of New York

Application March 18, 1950, Serial No. 150,405

2 Claims. (Cl. 21—119)

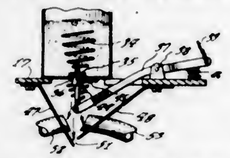
1. A vaporizer comprising a liquid container having a top opening, a heater base member mounted on the container over said opening and formed with a vertical opening therethrough in registration with the container opening, an open heater tube disposed vertically above and with its lower end portion centrally located in the opening of said base member with clearance between them, tubular supports for the heater tube extended horizontally into said base member and

serving to admit outside air into the said heater tube at its lower end for upflow through the tube, a wick applied about said heater tube and extended through the said base and container openings into contact with liquid in said container,



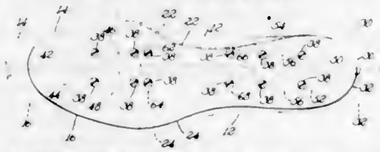
and a heater element disposed in said heater tube with clearance between them and a damper element applied to the upper end of the heater tube and adjustable to control the flow of outside air upwardly therethrough as a means of regulating the heating by its heater tube.

2,597,196
AUTOMOBILE WHEEL SANDER
Harry Fred Spatz, Richmond Hill, N. Y.
Application May 1, 1950, Serial No. 159,293
1 Claim. (Cl. 291—36)



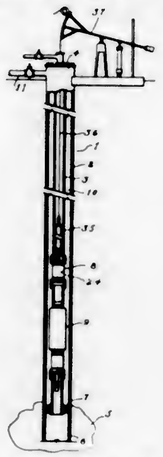
In an automobile sand dispensing device, a storage box for sand mounted on the automobile and having a bottom opening therein, a valve element operable in the opening, means for operating said valve element, a distributing chamber disposed below the said storage box and comprising two plates inclined towards each other and spaced from one another at their lower ends for the passage of sand therebetween and upon a wheel lying thereunder, delivery tubes extending from said distributing chamber, respectively, forwardly rearwardly over the wheel, the inner opening of said delivery tubes being disposed in an acute angle to their axis in order to assure feeding of sand into the delivery tubes.

2,597,197
EXPANSIBLE LAST
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 1, 1949, Serial No. 102,524
11 Claims. (Cl. 12—1)



1. A last comprising a heel part, toe sections separable widthwise, intermediate body sections also separable widthwise, a frame unit by which said heel part and said sections are maintained in cooperative relation, an adjusting member anchored to said frame unit, and means operable by said member for shifting said toe sections toward and from said body sections and for simultaneously adjusting the latter widthwise toward and from each other, said frame unit and said toe sections having connections by which the latter are also adjusted widthwise toward and from each other in consequence of being shifted as aforesaid.

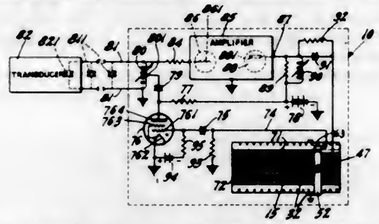
2,597,198
LIQUID LEVEL CONTROL MEANS
Horace M. Staggs and Louis F. Davis, Dallas, Tex., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 23, 1947, Serial No. 781,582
19 Claims. (Cl. 103—232)



1. In a well in a producing reservoir having a pressure insufficient to flow the well liquid to the well surface including a casing, a tubing within the casing, and means for directing the well liquid into the tubing, means positioned within the tubing for controlling the level of the well liquid within the tubing, comprising valve means normally preventing the flow of liquid therethrough, a source of fluid pressure, and pressure responsive means responsive alternately to the fluid pressure and to the hydrostatic pressure of the liquid the level of which is to be controlled, the pressure responsive means being operable upon the application of fluid pressure to open the valve and to maintain the valve in an open position until passage therethrough of a quantity of liquid providing a hydrostatic pressure sufficient to operate the pressure responsive means against the action of the fluid pressure and to permit the valve to close.

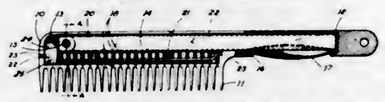
2,597,199
ECHO DISTANCE MEASURING APPARATUS
Hamilton A. Stamper and Donald O. Nelson, Los Angeles, and James A. Wippert, Burbank, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 25, 1948, Serial No. 29,146
13 Claims. (Cl. 177—386)

12. Apparatus for echo distance signaling comprising: means including a switching mechanism for generating electric waves in response to actuation of said switching mechanism; means for transmitting traveling waves in response to generation of said electric waves; means for receiving traveling waves and generating an electric potential in response thereto; indicating means including a device movable through a predetermined path and responsive to said electric potential for producing a visible indication of the position of said device at the time of application of said potential thereto; supporting and moving means for recurrently traversing said device through said path independently of received waves; a driving motor for said supporting and moving means, and friction drive means



coupling said motor to said supporting and moving means; means for applying electric potential generated in response to received traveling waves to said device during its traverse through said path to indicate the location of said device along said path at the time of reception of said traveling waves; said switching mechanism including an element on said supporting and moving means and cooperating means at a predetermined point in the path of said element for actuating said switching means in response to contact of said element with said cooperating means.

2,597,200
COMB
Wasyl S. Suprowich, Gardenton, Manitoba, Canada
Application October 6, 1949, Serial No. 119,786
In Canada July 22, 1949
4 Claims. (Cl. 132—13)



1. A fountain comb comprising a body portion, a handle connected to said body having an opening therein, a plurality of teeth depending from said body, a compartment formed within said body and handle having a series of discharge apertures located intermediate said teeth, a collapsible container disposed within said compartment for holding a liquid, a plurality of flexible tubes extending from said container connected to said apertures, means in the opening of said handle for compressing said container to force the liquid from the container, and means within said compartment for compressing said flexible tubes to stop the flow of liquid therefrom.

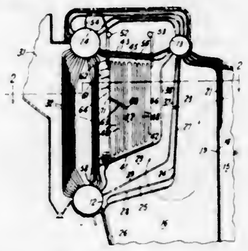
2,597,201
ADHESIVE LIQUID COMPOSITIONS SUITABLE FOR ELECTROSTATIC DUST PRECIPITATORS
Jack Swiss, Murrysville, and George W. Hewitt, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 14, 1949, Serial No. 127,246
2 Claims. (Cl. 252—88)

1. A homogeneous liquid composition suitable for use as a readily water washable particle-adherent coating in dust precipitators, comprising as its essential ingredients from 60 to 95 parts by weight of a hydrocarbon oil of a viscosity of from 1000 to 5 centistokes and from 40 to 5 parts by weight of a mixture of non-ionic surface active agents, the agents being selected from the polyoxyalkylene sorbitan monoacid esters of acids selected from the group consisting of oleic, palmitic, stearic and lauric acids, at least one of the agents being readily soluble in the oil and at least 2 parts comprising another agent relatively insoluble in the oil, but at least the latter being relatively soluble in water, the surface active agents being mutually soluble, the amount of oil-soluble agent being not less than the amount of the oil-insoluble agent.

2,597,202
SOLUBLE INTERPOLYMERS OF A POLY-2-ALKENYL ESTER, VINYLIDENE CHLORIDE, AND A MONOUNSATURATED 2-ALKENYL COMPOUND
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 4, 1948, Serial No. 47,951
2 Claims. (Cl. 260—78.5)

1. A soluble, unsaturated, ternary interpolymer derived from a monomeric mix containing, as the sole monomers, one molar equivalent of diallyl fumarate, from 0.1 to 8 molar equivalents of vinylidene chloride and from 0.2 to 15 molar equivalents of a 2-alkenyl chloride selected from the group consisting of allyl chloride and methallyl chloride.

2,597,203
FLUID TEMPERATURE CONTROL
George A. Taylor, East Orange, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application October 29, 1947, Serial No. 782,776
8 Claims. (Cl. 122—480)



2. In combination with a superheater having its heating surface freely suspended within a gas flow pass through which heating gases are directed substantially horizontally in a single pass throughout the vertical extent thereof, said heating surface being provided mainly by tubular heat absorbing elements having upright tube length portions spaced apart in rows extending transversely of said heating gas flow, and damper means supported solely on elements of one of said rows for controlling the flow of said single pass heating gases over said heating surface, said damper means comprising at least one damper blade having support means along one edge arranged for pivotal blade movement about a horizontal axis, said damper blade support means comprising brackets secured to tube lengths in

said one row of elements, and relatively rigid means supported by said brackets and engaging tube lengths of said row for maintaining said engaged tube lengths substantially in alignment in the plane of said row.

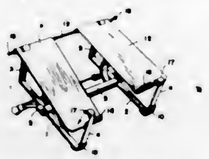
2,597,204
PROCESS FOR TREATING PETROLEUM EMULSIONS
Raymond W. Todd and Fritz E. Fuchs, Houston, Tex., assignors to Aquaness Corporation, Houston, Tex., a corporation of Texas
No Drawing. Application March 19, 1951, Serial No. 216,474
11 Claims. (Cl. 252—342)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent consisting essentially of the fatty acid esters of an oxyalkylated polyhydroxy compound derived by the reaction of an alkyl polyhydroxy compound initially having three or more free hydroxyl groups with a mixture of ethylene and propylene oxides in which the proportion of propylene oxide is in the range of from about 15% to about 60% by weight of the mixture, and wherein the proportions of the mixed oxides to the alkyl polyhydroxy compound are such as to produce said oxyalkylated polyhydroxy compound having an average molecular weight ranging from about 2500 to about 7500, and wherein the fatty acid employed in forming said esters is a long-chain detergent forming fatty acid having 8 to 18 carbon atoms in the chain.

2,597,205
STABILIZED HYDROCARBON LIQUIDS
Theodore B. Tom, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 22, 1949, Serial No. 134,589
4 Claims. (Cl. 44—50)

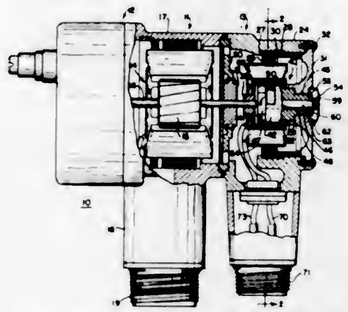
1. A composition consisting essentially of a hydrocarbon oil distillate, containing a sulfur compound corrosive to copper as a constituent thereof, and from about 0.005% to about 1%, by weight, of the oil-soluble fraction of olibanum.

2,597,206
UTILITY BOOKHOLDER
Clarence S. Tracy, Chicago, Ill., assignor of thirty per cent to Joseph Karwacki, Chicago, Ill.
Application June 22, 1949, Serial No. 100,617
8 Claims. (Cl. 45—86)



1. A book holder comprising a base having rigid upwardly extending front and rear support means, a pair of laterally spaced platforms hingedly mounted on horizontal axes on the rear support means and having free ends extending forwardly therefrom, individual spring means normally urging the free end of each of said platforms to swing upwardly, and a pair of laterally spaced inwardly projecting stop members on the forward support means each adapted to limit the upward movement of the free end of the respective platform and to overhang and engage the bottom margins of the respective pages of an opened book supported on said platforms, said stop members being disposed at a lower level than the hinge axes of said platforms.

2,597,207
SPEED RESPONSIVE GENERATOR
Orville J. Underwood, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 8, 1950, Serial No. 148,370
11 Claims. (Cl. 171—252)



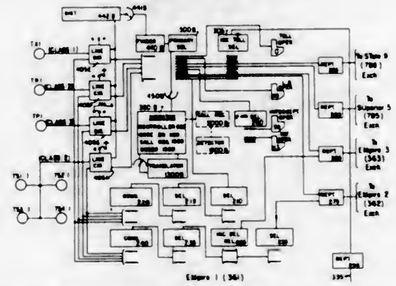
1. In a device of the class described, a primary core structure having a plurality of salient pole members with windings thereon, a secondary core structure located within said primary core structure completing a magnetic circuit therewith and defining an annular air gap therebetween, said secondary core structure comprising two cylindrical magnetic core members adjustable relative to one another with one of said core members having a flat surface thereon and the other having a shading coil thereon, and a short circuited conductor member of electrically conductive material positioned within said annular air gap and disposed to rotate therein.

2,597,208
POURING GATE
Willis Benedict Walker, Macungie, Pa., assignor to The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa., a corporation of Pennsylvania
Application June 7, 1950, Serial No. 166,651
1 Claim. (Cl. 25—127)



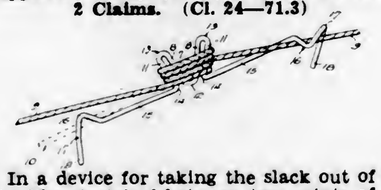
A pouring gate for cementing pipe joints comprising an upstanding tubular body having a gradually decreasing cross-sectional area from its top to its bottom, said body having a cut-out portion extending upwardly for a substantial distance from the bottom and about a substantial portion of its periphery, the portion of the body immediately above said cut-out portion being adapted to rest on the bell of a pipe and the portion of said body opposite said cut-out portion being adapted to abut against the face of the bell and rest on a pipe being joined to the bell and a substantially horizontal bead extending inwardly from the interior surface of the body at a point below the upper boundary of said cut-out portion, said bead extending about approximately one-half of the periphery of the body.

2,597,209
TELEPHONE SYSTEM
Thomas G. Walsh, San Fernando, Calif., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 11, 1950, Serial No. 143,736
17 Claims. (Cl. 179—18)



1. In a telephone system having a plurality of register senders, a local translator and a route register included in each of said register senders, another translator common to all of said register senders, means for registering a called station directory number in one of said register senders, means controlled in accordance with the directory number registered in said one register sender for selecting either said local translator or said common translator and for selectively controlling said selected translator, means governed in accordance with the selective control of said selected translator for registering in said route register a translation of said directory number, and means in said one register sender for selecting a route over which a connection may be completed to the called station having the directory number registered in said one register sender in accordance with the translation registered in said route register.

2,597,210
CLOTHESLINE TIGHTENER
Charles R. Walters, Normandy, Mo.
Application July 1, 1949, Serial No. 102,629
2 Claims. (Cl. 24—71.3)



2. In a device for taking the slack out of rope or the like stretched between two points of support, a pair of crank arms arranged in axial alignment, the inner ends of said arms terminating in upwardly diverging arms which in turn are folded back in looped fashion to provide a V-shaped gap between the first mentioned arms and providing thereby diverging horns around which a portion of the rope may be wound, the outer ends of the said crank arms terminating in horizontally disposed offset portions arranged to project in opposite directions to provide rope engaging shoulders, and straight operating handles depending from the ends of the offset rope engaging shoulders, which handles also serve as rope engaging members.

2,597,211
CHILD'S ONE-PIECE BIFURCATED WINTER GARMENT
Joseph Weingarten, Bronx, N. Y.
Application March 31, 1950, Serial No. 153,179
1 Claim. (Cl. 2—80)

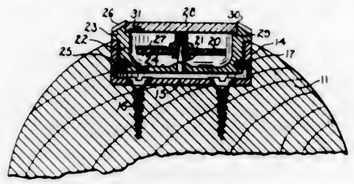


A child's one-piece garment comprising, in its entirety, a lower leg section, an upper section integral therewith at the back only and having a waist portion, a neck portion, and front coat members extending from the side portions of the upper section to a central line of closure running from the neck portion to a point below the waist portion, the coat members below the waist portion being flared and entirely free of any connection to said lower leg section, the front of said lower leg section being foldable upwardly over the upper body and chest of a wearer and constituting a tongue having substantially the full width of the back of said upper section, said tongue being divided into two separable portions by a central line of closure extending from the top edge of the tongue to the garment crotch and thence along the inner side of one leg to substantially the leg bottom, a slide fastener for said tongue and leg line of closure, a pair of elastic straps depending from said upper section and secured thereto at their upper ends, fastener means on the lower free end of each strap, fastener means at the top of each tongue portion cooperatively engageable with the adjacent fastener means on said elastic straps for detachably securing the tongue in upright service position, and means for detachably connecting the coat members with each other along their line of closure to overlie said tongue.

2,597,212
FIREARM WITH COMPASS IN STOCK
Ezekiel Field White, West Hartford, Conn., and Michael J. La Viano, Westwood, N. J.
Application June 10, 1948, Serial No. 32,068
2 Claims. (Cl. 42—71)

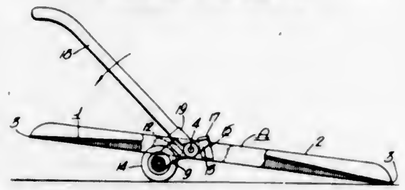
1. A direction finder comprising a firearm having a stock provided with a recess in its upper surface, a cup-shaped shell bottoming in said recess and secured therein, a case rotatably mounted in said shell, a magnetic needle pivotally

mounted in the case, and an indicator fixed upon the case whereby it may be brought into registration with the needle by rotation of the case, said case having a laterally projecting flange



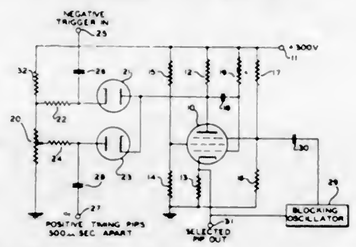
overlying the upper edge of the shell, the lateral edge of said flange being flush with the outer periphery of the upper edge of the shell and said flange being roughened upon its upper surface.

2,597,213
MOVABLE GANGPLANK
Daniel S. Whiteman, Wyncote, Pa.
Application June 10, 1949, Serial No. 98,337
2 Claims. (Cl. 14—72)



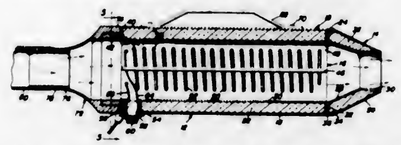
1. A gangplank assembly having a floor, a transverse shaft journaled on the under surface of said floor in spaced relationship from the center of gravity thereof, a roller bracket rigidly mounted on each end of the shaft, an arm projecting from one of said brackets, a roller in each of said brackets, a stop secured to the side of said floor and engageable by said arm to limit rotation of said shaft and bracket, and a lever rotatable on said shaft and engageable with an abutment on said bracket to rotate said shaft and bracket into operative position.

2,597,214
PIP SELECTOR
Roger B. Woodbury, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 30, 1945, Serial No. 631,954
15 Claims. (Cl. 250—27)



1. A pip selector comprising, a pentode having a cathode, a grid, a screen, a suppressor, and a plate, a source of plate potential, a resistor connecting said plate with the positive side of said source, a resistor connecting said cathode with the negative side of said source, means maintaining said screen at a potential substantially less than the positive potential of said source, means maintaining said suppressor at a potential slightly higher than the negative potential of said source, a capacitor joining said plate and said grid, and a resistor connecting said grid with the positive side of said source, said capacitor transmitting a voltage drop at said plate to said grid to render said suppressor positive with respect to said cathode, said capacitor discharging through said last mentioned resistor to produce a linear drop in plate voltage with time.

2,597,215
HEATER
Stephen A. Wright and Lyle E. Beadles, Canton, Ill.
Application July 3, 1950, Serial No. 171,800
3 Claims. (Cl. 219—39)



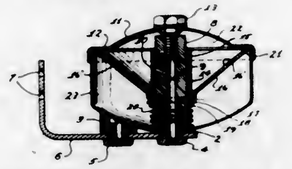
1. A portable heater unit for multiple domestic use adapted for connection with an external source producing a directed air flow comprising an elongated cylindrical double walled tube having an inner wall which is insulated from the outer wall, said double wall tube being provided with means for attaching a nozzle at one end and with further means for attaching a nipple at the other end, said nipple being fixedly connected with the said tube and provided with means for receiving the directed air flow from the external source, a transverse opening near the end to which said nipple is attached, an adjustable rheostat exposed to the air flow and said transverse opening, provided with an adjusting knob projecting to the outside, insulating longitudinal vanes within the entire length of the cylindrical tube arranged at right angles to each other and fitting into the cylindrical tube, spaced apertures within each of said vanes, a helically wound spiral of resistance wire passing through the said apertures and held by them, said resistance wire spiral being in series with the rheostat, and means for connecting said rheostat and said heating spiral with a source of electric power.

2,597,216
CUFF BUTTON
Harold B. Wylie, Woodstock, Conn., assignor to Swank, Inc., a corporation of Delaware
Application July 14, 1950, Serial No. 173,841
5 Claims. (Cl. 24—102)



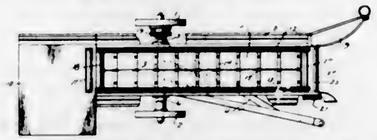
1. A cuff button comprising two individual units having cooperating means for separable connections, each of said units having inner and outer heads for holding the unit in a cuff, shanks fixed to each head of one unit with said shanks slidably telescoping one within the other and the outer shank having inwardly extending flanges and said inner shank having an enlarged partially hemispherical portion to engage said flanges and limit axial movement thereof while permitting rocking movement about an axis.

2,597,217
FILTER APPARATUS
Raymond G. Zenick, Burbank, Calif., assignor to Filterall Co., Inc., Glendale, Calif., a corporation of California
Application April 23, 1948, Serial No. 22,798
7 Claims. (Cl. 210—166)



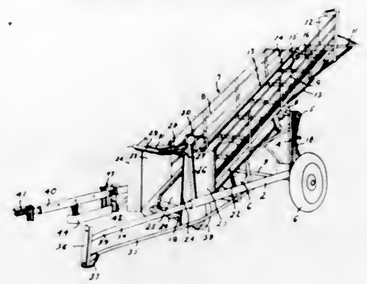
7. A filter means for fluids for use with a casing of the type comprising a bowl having inlet and outlet ports extending through the wall thereof and having a removable cover and an axially disposed hollow post rising from the bottom of the bowl and having an orifice in the side wall of the post constituting an extension of one of said ports, said filter means comprising a rigid, thin walled, porous filter element of hollow, frusto-conical form having an axially disposed sleeve extending from the smaller end of said element to the plane of the larger end thereof; said sleeve being loosely mountable on the casing post and effective to maintain said filter element in axial alignment with the post, a gasket interposable between the larger end of said filter element and the bowl cover, resilient means mountable on the casing post and extending from the bottom of the bowl upwardly to a point below the casing post orifice effective to urge said filter element into yielding engagement with said gasket, and a second gasket interposed between the smaller end of said filter element and said resilient means effective to prevent fluid flow between the lower end of said sleeve and the casing post.

2,597,218
PICK-UP ARRANGEMENT FOR AGRICULTURAL LOADING MACHINES
Everett H. Appel, Aurora, Ill.
Application August 16, 1946, Serial No. 690,884
3 Claims. (Cl. 198—9)



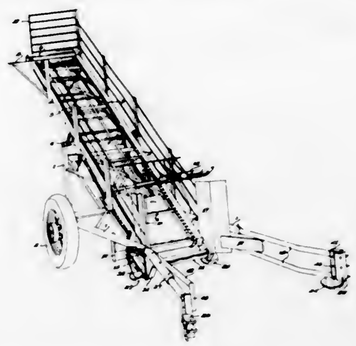
1. In an agricultural loading machine, the combination with an elevating conveyor having flights with spaced projections thereon, of a rotary pick-up member having blades with undulated edges thereon positioned relatively to said conveyor so that said projections extend into the dips of the undulations in said vanes during operation and keep the pick-up member stripped free of debris.

2,597,219
BALE LOADING MACHINE
Everett H. Appel, Aurora, Ill.
Application October 17, 1947, Serial No. 780,437
6 Claims. (Cl. 198—9)



6. In an agricultural loading machine, a rigid mobile frame, an inclined loading trough carried by said frame, means to elevate a load along said trough, and load positioning means carried directly by said frame including a bumper forward of said trough and on each side thereof and one of which is rigid, one of said bumpers extending forwardly well beyond the other and the space between said bumpers being greater than the expected length of a load, said trough being pivotal relatively to said frame and said bumpers.

2,597,220
BALE LOADING MACHINE
Everett H. Appel, Aurora, Ill.
Application December 20, 1948, Serial No. 66,241
11 Claims. (Cl. 198—9)



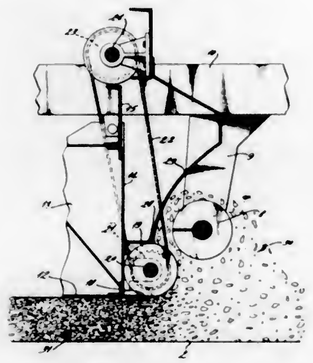
7. In an agricultural loading machine, a mobile frame, an inclined loading trough on said frame, means to elevate a load along said trough, a drag link projecting forwardly from said frame at one side of said trough, a forwardly projecting load bumper adjacent said drag link, a support projecting forwardly of said trough from the side of said frame opposite said load bumper, and a load straightening roller carried at the forward end of said support, said roller having its axis substantially vertical and carrying a plurality of radially projecting teeth.

2,597,221

APPARATUS FOR FINISHING ROADS

Harry A. Barber, Aurora, Ill., assignor to Barber-Greene Company, Aurora, Ill., a corporation of Illinois

Application February 4, 1946, Serial No. 645,261
5 Claims. (Cl. 94—46)



1. In a road finishing machine, a screed to smooth material on a road-bed as the machine travels along the road-bed, and a pressure feed roller mounted immediately adjacent said screed to compress material and force feed it beneath said screed, and means for rotating said roller at a faster rate of speed than warranted by the rate of travel of the machine.

2,597,222

ELECTRIC CABLE SYSTEM

Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application January 9, 1948, Serial No. 1,446
8 Claims. (Cl. 174—10)



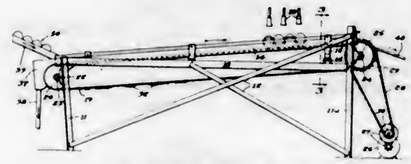
1. An electric high tension conductor assembly for installation in a fluid-tight pipe line containing fluid insulation under superatmospheric pressure, said assembly comprising a conductor, fluid permeable insulation therefor, shielding at the surface of the insulation, fluid insulating material filling the permeable insulation, a cushioning layer over the said shielding, and an outer enclosing tight fitting jacket comprising imperforate metal tape wrapped helically tightly about the cushioning layer with the adjacent edges of adjacent convolutions of the tape overlapping, and a sealing material for sealing the jacket at the overlapped edges of the jacket tape to retain the fluid insulation within the jacket, said sealing material being of such a nature that it disintegrates when the conductor is placed in service thereby destroying the seal initially provided and permit of the passage of fluid insulating material between the overlapped edges of the metal tape.

2,597,223

TREATMENT OF FOOD PRODUCTS PACKAGED IN CYLINDRICAL CONTAINERS

George W. Burgess, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii

Application November 1, 1948, Serial No. 57,716
13 Claims. (Cl. 99—214)



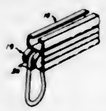
1. Method of changing the temperature of canned goods in the can which comprises passing the cans on their sides with their axes disposed transversely of their line of movement upwardly at a slight angle against a downwardly flowing body of liquid having a temperature different from that of the cans and simultaneously causing the cans, while maintaining the same free of any restraint imposed in a direction radial thereto, to oscillate and rotate.

2,597,224

DRAPERY TRACK AND ROLLER ASSEMBLY

Charles Stanfield Charron, Toronto, Ontario, and Alexander James Garvin, Scarboro, Ontario, Canada

Application October 21, 1950, Serial No. 191,416
3 Claims. (Cl. 16—87.6)



1. A drapery track and roller assembly, comprising in combination: a pair of spaced apart rollers of predetermined diameter and a common axle of relatively small diameter extending therebetween, track means including inwardly directed supporting flanges carrying said rollers, the terminal edges of said flanges being spaced to provide a slot therebetween of a width less than the distance between said rollers, a drapery loop member formed of a rigid material of circular cross-section and suspended from said axle by a suspending portion having a curvature, the inner radius of which is slightly greater than the radius of said axle, the median radius being not greater than one-half the combined radius of a roller and axle, arms forming a part of said loop member extending tangentially from the suspending portion thereof through said slot and diverging sufficiently to provide engagement of said arms with the edges of said slot and entirely avoiding binding of said arms with said rollers and binding of said suspending portion with said axle upon twisting of said loop member.

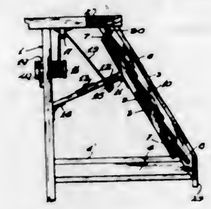
2,597,225

AWNING

Arthur Chrosnik, Chicago, Ill.

Application September 25, 1948, Serial No. 51,131
6 Claims. (Cl. 20—57.5)

1. In an awning, downwardly and outwardly disposed hangers, louvers pivotally connected to said hangers, said louvers in one position overlapping each other, an actuating bar hinged at its ends to upper and lower terminal louvers, said actuating bar notched along one edge in a manner to receive and permit rotation in said bar notches of edges of the intermediate louvers, a sectional lift elbow hinged to said actuating bar, and means engaging said lift elbow for moving its sections upon their common hinge.



2,597,226

FIXED ELECTRICAL RESISTANCE ELEMENT AND METHOD OF MANUFACTURING THE SAME

James Norman Coates, Grand Rapids, Mich.

Application April 30, 1951, Serial No. 223,689
31 Claims. (Cl. 201—64)



1. An electrical resistor element comprising, a pair of electrically conducting wires having electrically insulating coatings, said wires having overlapping end portions spirally twisted together in a central body, a bonding coating of thermo-setting material on the overlapping portions of said wires and bonding the twisted body together, adjacent turns of said wires and said coatings being ground away along a cylindrical surface to form spaced spiral and parallel electrical conducting areas, a coating of electrically conducting resistance material having thermo-setting properties applied over said body and said bonding coat and extending between and across said conducting areas, and a protective insulating cover of thermo-setting material covering said resistance coating and said twisted body and extending therebeyond along the protruding ends of said wires, said coatings all being characterized by being unaffected by temperatures up to the melting point of solder.

2,597,227

RECEPTACLE FOR COINS AND THE LIKE

Roy A. Colliton, Clayton, Mo.

Application January 24, 1949, Serial No. 72,469
4 Claims. (Cl. 232—5)

1. A display receptacle for coins, medals, medallions and the like comprising two centrally apertured, coextensive frame members of relatively rigid sheet material, two panels of flexible transparent sheet material stretched across the frame members between said members, said panels being adhesively secured throughout their margins to the respective frame members, and fastening means holding the members in assembled relation, a portion of one member and its attached panel portion being separable from the other member and its attached panel portion for the insertion of a numismatic item between the panels.



2,597,228

METHOD OF TREATING PROTEINS WITH SATURATED ALIPHATIC POLYAMINES AND RESULTING PRODUCT

Earl D. Cornwell, Downers Grove, and Stephen Dobija, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Continuation of application Serial No. 666,828, May 2, 1946. This application January 6, 1949, Serial No. 69,594
9 Claims. (Cl. 260—112)

1. A process for producing a water-soluble composition which upon drying will form a water-insoluble film, which consists of reacting a protein material selected from the group consisting of blood protein and egg protein in an aqueous solution with a saturated aliphatic polyamine at a temperature between 150 and 200° F.

2,597,229

FISHHOOK DISENGAGING DEVICE

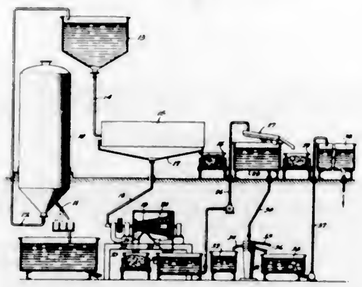
Edwin P. Cox, Los Angeles, Calif.

Application December 12, 1949, Serial No. 132,594
7 Claims. (Cl. 43—17.2)



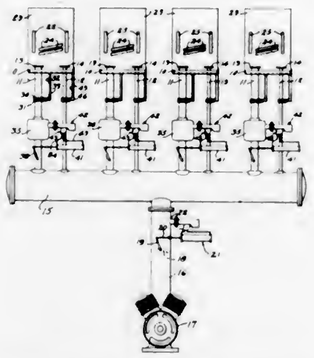
1. A weighted device adapted to disengage a fish hook caught on an object under water comprising a tubular shaped weight member, a tubular shaped jacket therefor, said weight member having a longitudinally extending passage including a longitudinally extending slot leading to a side of said weight member and in which a fish line attached to said hook can be inserted, said jacket being mounted on said weight member for relative movement with respect thereto and having a longitudinally extending slot adapted in one relative position between said jacket and said weight member to register with said weight member slot so that said line can be inserted into said device through said jacket slot, said jacket being adapted to close said weight member slot in a second relative position between said weight member and said jacket to enable said device to slide down said line by gravity, and an end portion of said jacket being tapered substantially to a point located substantially on the line of contact which said device is adapted to have with said fish line.

2,597,230
TREATMENT OF TANK WATER AND TANKAGE
Charles J. Davis, Jr., Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application May 4, 1948, Serial No. 24,937
9 Claims. (Cl. 260—412.5)



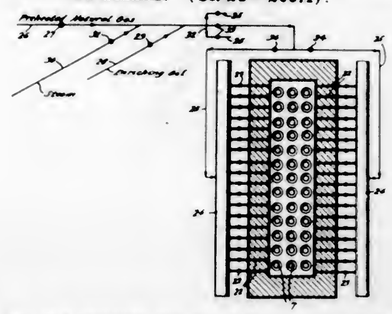
1. In a method for treating wet rendered tankage and tank water in which solids in the water are coated with grease, for the separation of solids, grease and water containing solubles, the steps of emulsifying the water and grease, separating solids from the emulsion, and separating the emulsion into grease and water constituents, said water containing solubles.

2,597,231
CARBURETOR FLOW TESTING APPARATUS
James L. Edelen, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 19, 1950, Serial No. 156,912
5 Claims. (Cl. 73—118)



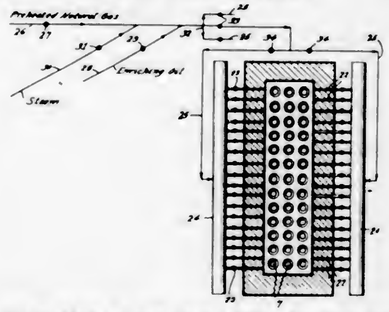
1. Apparatus for flow testing carburetors comprising test mountings for a plurality of carburetors, a suction pump, air conduits connecting said mountings and said pump, meters for measuring fuel and air passing through carburetors on said mountings, a throttling valve in each of said conduits, and a pressure sensitive device communicating with each of said conduits between the valve therein and the test mounting therefor and connected to the corresponding valve for shifting the same responsive to pressure variations in said conduit to maintain substantially constant pressure in said conduit.

2,597,232
MANUFACTURE OF CARBON BLACK
Wesley C. Ekholm, Brooklyn, N. Y., and George L. Heller, Monroe, La., assignors to Columbian Carbon Company
Application March 23, 1948, Serial No. 16,585
14 Claims. (Cl. 23—209.4)



1. In the process for producing furnace black by decomposing hydrocarbons in which the hydrocarbons to be decomposed are forcefully injected into and intimately mixed with a turbulent stream of hot blast flame gases flowing at high linear velocity through an unobstructed and unconstricted reaction chamber, the improvement which comprises passing the hot blast flame gases as a turbulent stream of substantially uniform composition and linear velocity through a relatively narrow reaction chamber of rectangular cross-section, not exceeding 1½ feet in width and of substantially greater length, forcefully injecting the hydrocarbons to be decomposed into the stream of blast flame gases as a plurality of streams not exceeding ¾ inch and not less than ¼ inch in diameter uniformly spaced along the entire height of each side of the chamber, each stream being directed across the width of the chamber and near and equidistant from the upstream end of the chamber, the ratio of the mass velocity of the make gas streams to the mass velocity of the blast flame gases being within the range of 3:1 to 10:1.

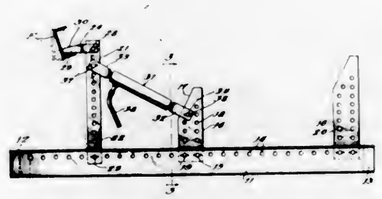
2,597,233
MANUFACTURE OF CARBON BLACK
Wesley C. Ekholm and George L. Heller, Monroe, La., assignors to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 16,586, March 23, 1948. This application August 25, 1950, Serial No. 181,424
6 Claims. (Cl. 23—259.5)



1. Apparatus of the type described comprising an elongated reaction chamber of substantial

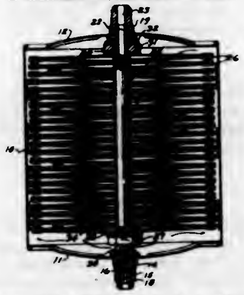
rectangular cross-section not exceeding 1½ feet in width and of a greater height than width, a blast burner positioned at one end thereof and comprising a rectangular burner block substantially coextensive with the transverse area of the chamber and provided with a plurality of burner ports uniformly spaced over the entire face of the burner block, a plurality of make gas injection tubes vertically spaced along opposite sides of the chamber, near and equi-distant from the burner end thereof, the tubes being unconstricted at their inner ends and being directed across the width of the chamber, each being substantially perpendicular to the opposite side wall of the chamber and each being directly opposite a corresponding tube entering the chamber through the opposite side wall.

2,597,234
FRAME STRAIGHTENING DEVICE
Jess L. Elam, Chicago, Ill., assignor to Builders Ornamental Iron Company, Chicago, Ill., a corporation of Illinois
Application December 9, 1950, Serial No. 200,004
1 Claim. (Cl. 153—39)



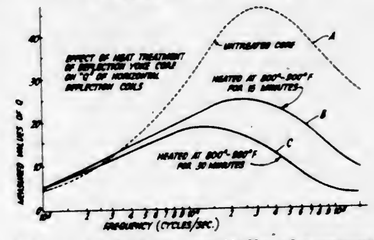
A frame straightening device comprising a base including a pair of parallel members interconnected to provide a space therebetween, each of said members having a plurality of openings formed therein, the openings of one member being respectively aligned with the openings in the other member, a bar having a plurality of apertures formed therein, a pin designed to be inserted through preselected aligned openings of said base members and an aperture of said bar disposed between the base members for pivotally supporting the bar on said base, a reaction member disposed in spaced relation to said bar and constructed with a pair of rows of apertures, said reaction member being secured to said base members by a pair of pins extended through aligned pairs of openings of said base members and apertures of said reaction member disposed between said base members, said rows of apertures of said reaction member being differently spaced from said bar, a jack including relatively movable elements, each of said jack elements having an apertured yoke secured thereto, pins designed to be inserted through the apertures in said yokes and preselected apertures in the reaction member and bar for connecting said yokes to said reaction member and bar respectively, the upper portion of said reaction member being tapered and having an inclined edge extending upwardly and outwardly with respect to said bar to provide clearance for the inner end surface of one of said yokes when said one yoke is mounted in the upper holes of the reaction member, and a removable lateral extension provided with apertures and adapted to be secured to said bar by a pin which extends through its apertures and a preselected aperture of the bar.

2,597,235
FILTER
George B. Ericson, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application June 16, 1947, Serial No. 754,881
1 Claim. (Cl. 210—181)



A filter assembly for use in a casing having an inlet and an outlet and positionable therein between the inlet and outlet in separating relation thereto, said assembly comprising filter elements each including a spacer plate having a central aperture, radial flutings on opposite faces thereof opening into said aperture but closed near the outer margin of the plate, and sheets of filtering material abutting opposite faces of said plate, the central apertures of the spacer plates in the assembly being in axial alignment and forming a passage for communication with the casing outlet, and the portions of said sheets overlying said flutings of each plate being unsupported so that said sheets may flex inwardly to effect direct openings to said passage in case of excess oil pressure in the casing.

2,597,236
COMMINUTED FERROMAGNETIC CORES
Albert W. Friend, Princeton, and Arthur T. Harding, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 24, 1947, Serial No. 781,804
4 Claims. (Cl. 148—4)



1. A core consisting essentially of a compressed body of finely comminuted magnetic material containing about 0.67% intermingled free carbon, and some of said magnetic material being in sintered form.

2,597,237
VARIABLE LOSS PARAMAGNETIC CORES
Albert W. Friend, Lawrenceville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1948, Serial No. 35,177
7 Claims. (Cl. 75—22)

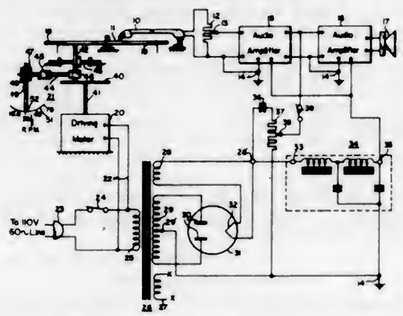
1. A ferromagnetic core for tuning inductances and the like, comprising a body of ferromagnetic

particles and a carbonaceous binder having electrically conducting carbonized particles included therein in increasing concentration per unit of volume along a predetermined direction through



the core, and having a resultant eddy current loss increasing along said predetermined direction and a permeability which is substantially constant along said direction.

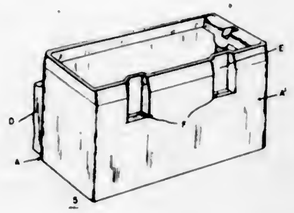
2,597,238
METHOD OF ADJUSTING THE SPEED OF VARIABLE-SPEED TURNTABLES
George A. Gerber, Roselle, and Ralph A. Mullaney, Elmwood Park, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois
Application January 28, 1950, Serial No. 141,064
3 Claims. (Cl. 179—100.1)



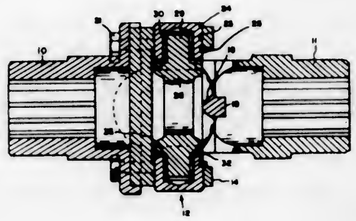
2. The method of adjusting to a preselected value the speed of a variable speed turntable included in a phonograph apparatus having an amplifier supplied with power from a source of alternating voltage of a given frequency which comprises the steps of: generating a signal having a frequency representing the rotational speed of said turntable and having a frequency corresponding to a particular harmonic of said given frequency in response to rotation of said turntable at said preselected value; deriving a reference signal corresponding to said particular harmonic of said given frequency of said alternating voltage source; comparing said generated signal and said reference signal to obtain a beat frequency representing the difference in frequency of the compared signals; and varying the speed of said turntable to establish said beat frequency at a value of zero at which value the rotational speed of said turntable is equal to said preselected speed.

2,597,239
FLUSHING TANK FOR WATER CLOSETS
Harry F. Goetz, Detroit, Mich., assignor, by mesne assignments, to James M. Teahen, Brighton, Mich.
Application July 12, 1948, Serial No. 38,326
1 Claim. (Cl. 4—68)

In a water closet tank provided with an overflow conduit for connection with a drain, a spill opening located in the rear wall of said tank formed by an inwardly offset upper portion of said wall with its outer surface spaced from the inner surface of the wall portion immediately below the same to form a concealed upwardly opening large capacity port.



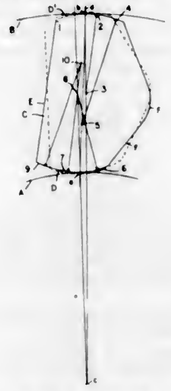
2,597,240
UNIVERSAL JOINT
Anton F. Greiner, Detroit, Mich.
Application July 23, 1945, Serial No. 606,491
5 Claims. (Cl. 64—17)



1. In a torque transmitting device, the combination of relatively movable members having radially extending openings therethrough and having shoulders surrounding the openings at the radially inner sides thereof, a torque transmitting element having a generally ring-shaped portion forming a body and having circumferentially spaced journals extending radially outwardly from the body, bearings for the journals respectively sleeved in said openings, abutments on the bearings adjacent the radially inner ends thereof and respectively engageable with the shoulders on the members, and non-yielding shock transmitting rings respectively concentrically arranged with respect to said journals and seated on the body of the torque transmitting element with the radially outer surfaces respectively abutting the radially inner ends of the bearings.

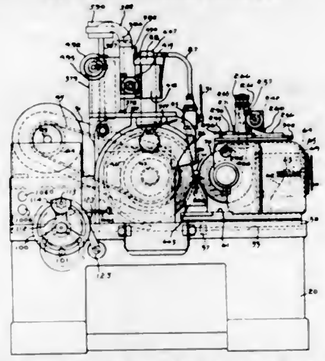
2,597,241
SPRAG FOR ONE-WAY CLUTCHES
Ivor J. Gruenberg, Pleasant Ridge, and Leopold T. Szady, Detroit, Mich., assignors to Formsprag Company, Ferndale, Mich., a corporation of Michigan
Application February 2, 1948, Serial No. 5,774
1 Claim. (Cl. 192—45.1)

A sprag having cammed surfaces at opposite ends thereof, portions of each of said cammed surfaces being arcs having laterally spaced respective centers located midway between said opposite ends and other portions of said cammed



surfaces being arcs of longer radius respectively tangent to the aforesaid arcs.

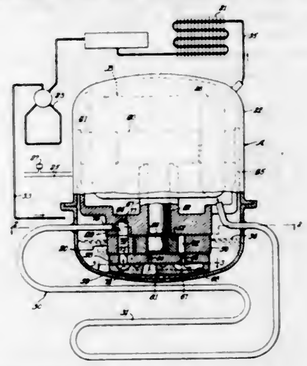
2,597,242
CENTERLESS GRINDING MACHINE
Oiva E. Hill, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1949, Serial No. 87,720
35 Claims. (Cl. 51—103)



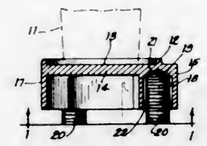
7. In a centerless grinder, a grinding wheel, a regulating wheel, a wheel slide to move one of the wheels relative to the other, a nut journalled in said wheel slide, a screw shaft passing through said nut, a base for the grinder, journals for the screw shaft in the base, a hand wheel and spline connections for rotating the screw shaft, automatic compensating mechanism to rotate the nut, and a cylinder and piston unit to move the screw shaft axially.

2,597,243
REFRIGERATOR COMPRESSOR COOLING ARRANGEMENT
Earl F. Hubacker, Muskegon, and George J. Fleck, Muskegon Heights, Mich., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 25, 1949, Serial No. 78,362
5 Claims. (Cl. 62—117.8)

3. A refrigerating apparatus comprising a compressor motor combination unit within a single casing having a lubricant reservoir, said compressor unit having a vertical channel medium extending into said lubricant reservoir to allow the working parts of said compressor to be lubricated, a preliminary refrigerant cooling coil, a main condenser, and an evaporator connected in a closed cyclic path in the order named, a charge of refrigerant and lubricating oil in the apparatus, a greater portion of said oil being disposed in said reservoir, and said preliminary refrigerant cooling coil being arranged exteriorly of the casing separate and removed from said main condenser and having its inlet connected directly to the outlet of the compressor, whereby the super-heated compressed gas and entrained lubricating oil are carried away from the compressor without said gas passing through the casing, the outlet of said preliminary cooling coil being connected to the casing, said preliminary cooling coil having a predetermined heat exchange area to condense partially the refrigerant vapor whereupon the compressed partially condensed refrigerant and the entrained oil coming into contact with the motor parts inside the casing to effect a cooling of said motor with a resultant revaporization of the refrigerant in that portion of the casing enclosing the motor said compressed gas in said casing constituting a pressure area to force the oil in the reservoir through said channel medium facilitating lubrication of the compressor and with the oil collecting in the lubricant reservoir in the lower part of the casing to separate the oil from the refrigerant.



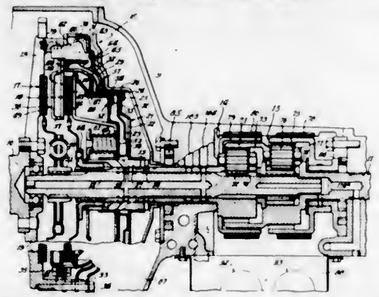
2,597,244
VIBRATION ISOLATING SUPPORT
Carl Hussman, Chicago, Ill.
Application April 7, 1949, Serial No. 86,073
2 Claims. (Cl. 248—22)



1. A vibration isolating support for use under a leg of a vibration generating machine comprising a base upon which the leg is adapted to rest, said base being provided with vertically arranged cells open at the lower side of the base and provided with upper conical walls, a resilient compressible vibration damping element in each cell provided with a conical upper end seating against

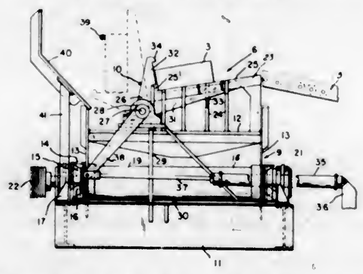
the conical wall of the respective cell and extending beyond the lower ends of the cells a distance greater than the foreshortening of the element caused by the imposed load for supporting said base above the floor, said elements being of less diameter than said cells and being spaced from the vertical walls of the latter, and ring-shaped members disposed between the elements and the lower portions of the respective cell walls for retaining the elements out of contact with the walls of the cells.

2,597,245
TRANSMISSION AND CONTROL MECHANISM THEREFOR
Donald W. Kelbel, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 23, 1945, Serial No. 630,308
15 Claims. (Cl. 74—765)



1. In transmission mechanism, the combination of a drive shaft, a driven shaft, means for providing a plurality of power trains of different speed ratios between said shafts and including fluid pressure operated clutch mechanism and a gear set, casing means providing a fluid sump beneath said clutch mechanism and a fluid supply tank beneath said gear set, a pump driven by said drive shaft, a pump driven by said driven shaft, said drive shaft pump being connected to said tank as a fluid supply, and means for connecting said driven shaft pump with said sump as a fluid supply when said drive shaft pump is operative and with said tank as a fluid supply when said drive shaft pump is inoperative.

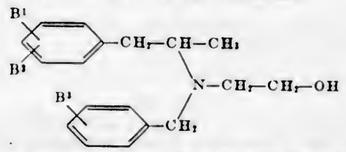
2,597,246
MOLD SHAKEOUT APPARATUS
Michael H. Kelly, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application September 10, 1948, Serial No. 48,695
6 Claims. (Cl. 22—1)



5. A mold shake-out apparatus comprising a grate having an upper surface for supporting a mold section containing a casting, said grate having upwardly opening recesses, means for shaking said grate, an L-shaped device pivotally mounted independently of said grate and having arms normally extending across a portion of and occupying a position within the recesses and below said upper surface of said grate, and means for swinging said device in a direction moving said arms upwardly against the mold section and raising the mold section and casting away from said grate.

2,597,247
N-SUBSTITUTED AMINO-ETHANOLS
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 2, 1948, Serial No. 42,148
5 Claims. (Cl. 260—570.8)

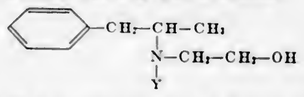
1. Compounds having the formula:



in which B^1, B^2 and B^3 are members of the group consisting of hydrogen and methoxy, the substituents for B^1, B^2 and B^3, respectively, being so selected that the total number of carbon atoms included therein will be from 1 to 3 in number.

2,597,248
N-SUBSTITUTED AMINO-ETHANOLS
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 6, 1948, Serial No. 43,005
6 Claims. (Cl. 260—570.8)

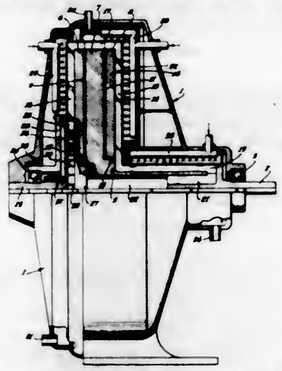
1. Compounds having the formula:



in which Y is a member of the group consisting of an allyl group and alkyl groups having not in excess of five carbon atoms and salts of said compounds.

2,597,249
THERMODYNAMIC ENGINE
Paul Kollsman, New York, N. Y.
Application August 24, 1945, Serial No. 612,390
15 Claims. (Cl. 60—59)

1. A thermodynamic machine comprising, a rotor body having a plurality of peripherally spaced U-shaped passages therein, each passage comprising a first compression portion extending radially outward from the axis of the rotor and constituting one leg of the U, a second portion extending substantially parallel with the rotor axis and constituting the bight of the U, and a third expansion portion extending substantially radially inward from the second portion toward the axis and constituting the other leg of the U, said one leg of the U being shorter than the other leg of the U, the end of the shorter leg constituting an intake, and the end of the longer leg constituting an outlet located closer to the axis than the intake; means for supporting the rotor for rotation about its axis, including means providing a stationary passage from the outlet to the intake; means associated with the rotor for supplying heat to the rotor adjacent the second passage portion, whereby gas circulating through said



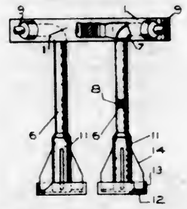
passages and compressed by centrifugal force in said first passage portion is heated by transfer of heat through the body of the rotor within the area of greatest compression, the heated gas expanding in its flow through the said third passage portion and transmitting rotative energy to the rotor.

2,597,250
APPARATUS FOR FILLING WRITING IMPLEMENTS
Paul Kollsman, New York, N. Y.
Application July 10, 1946, Serial No. 682,666
2 Claims. (Cl. 226—63)



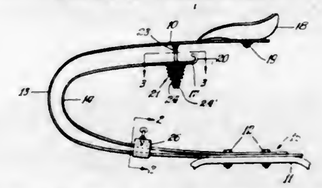
1. Apparatus for the pressure filling with fluid of writing implements of the type having a hollow barrel, a movable wall therein and a ball point communicating with the interior of said hollow barrel through a capillary passage, the apparatus comprising, a cylinder; a piston therein subdividing said cylinder into two chambers; a spring in one of the chambers urging the piston in a direction to reduce the volume of said other chamber; an outlet valve for said other chamber; means for urging said valve towards its closed position; a movable member for opening said valve; said movable member providing a pressure tight seal for the barrel of said writing implement adjacent said ball point.

2,597,251
VAPORIZER FOR INTERNAL-COMBUSTION ENGINES
Arthur Percival Mansoff, Dauphin, Manitoba, Canada, assignor of one-tenth to Osborne Curtis Steele, Kelowna, British Columbia, Canada
Application April 4, 1950, Serial No. 153,921
2 Claims. (Cl. 219—38)



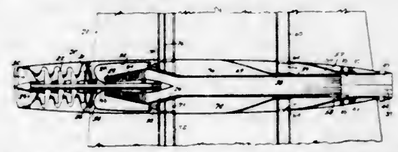
1. An auxiliary fuel vaporizing attachment for mounting in the intake manifold of an internal combustion engine comprising a tube with means for mounting the tube in the intake manifold at the entrance thereof and projecting axially of the manifold, a heating element for the tube, and a trap on the free end of the tube adapted to intercept fuel in passage through the intake manifold, said trap having a closed bottom portion to contain the fuel trapped therein.

2,597,252
SPRING MOUNTED VEHICLE SEAT
James F. McKinney, Aurora, Ill.
Application June 4, 1946, Serial No. 674,239
4 Claims. (Cl. 155—51)



1. A vehicle seat which comprises a curved main strap spring having one end secured to the vehicle and a free seat-supporting end portion, a curved auxiliary strap spring rigidly connected to the main strap spring and having a free end portion substantially below said seat-supporting end portion, means for resiliently connecting the free end portions of the main strap spring and the auxiliary strap spring, and clamping means for placing said strap springs under tension between said rigid connection and said resilient connection.

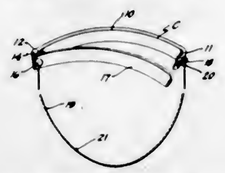
2,597,253
JET-PROPULSION NOZZLE
Frederick C. Melchior, New York, N. Y., assignor of one-half to Effie B. Melchior, New York, N. Y.
Application November 13, 1945, Serial No. 628,114
4 Claims. (Cl. 60—35.5)



1. In an aircraft having a power plant for jet propulsion, a jet, a tubular means running from

said power plant to a point adjacent said jet, a sleeve on said tubular means, a plurality of Venturi slots in said tubular means at the jet end thereof, said jet end being cam shaped at its outer edge and means for moving said sleeve against said cam and to contract said tubular means to determine the amount of air passing over the end of said passage.

2,597,254
HAIR CLAMP
Isaac Meohas, Long Beach, Calif.
Application June 1, 1948, Serial No. 30,277
4 Claims. (Cl. 132—41)



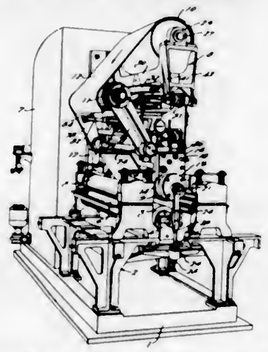
3. A double bar hair holding device comprising: an inner bar and an outer bar; a joint connecting said inner and outer bars at one end thereof and holding them against axial movement relatively to one another; co-operating portions at the opposite ends of said bars effective to releasably hold the bars together with their faces closely adjacent throughout their length to firmly hold a lock of hair therebetween when in closed position; attaching means projecting from the outer face of one of said bars adjacent each end thereof; and a length of flexible inelastic material looped between said attaching means and supported thereby.

2,597,255
SEAT SUPPORTING BRACKET
Erving B. Morgan and Alexander J. Plachecki, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application August 28, 1950, Serial No. 181,834
3 Claims. (Cl. 155—194)



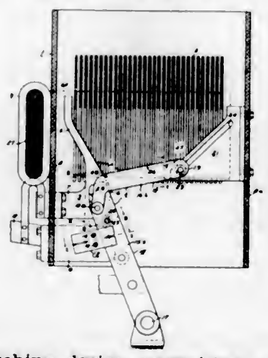
1. In a seat structure: a seat panel; a supporting frame for the seat panel provided with an upstanding back rail extending across the rear of the frame and having a forwardly extending upper flange thereon against the underside of which the upper rearward edge of the seat panel is adapted to abut; a seat bracket secured to the upstanding back rail beneath the rearward edge of the seat panel said bracket extending forwardly then upwardly and finally rearwardly adjacent the rearward edge of the seat to form spaced apart forwardly and rearwardly extending arms the forwardly extending arm having a threaded opening therein and being substantially rigid, and the rearwardly extending arm being bendable relative to the forwardly extending arm; and a screw extending upwardly through the threaded opening in the brackets' forwardly extending arm into abutting engagement with the underside of the brackets' rearwardly extending arm whereby advancement of the screw urges said rearwardly extending arm upwardly against the under rearward edge of the seat panel thereby forcing said rearward edge of the seat panel upwardly into snug engagement with the forwardly extending upper flange of the back rail.

2,597,256
POLISHING BELT CONTROL MEANS
Ernest E. Murray, Birmingham, Mich.
Application March 1, 1950, Serial No. 146,953
10 Claims. (Cl. 51—148)



1. In a polishing machine comprising a standard, first, second and third rolls mounted on said standard, a continuous polishing belt disposed about said rolls, means mounting said first roll for rotation about a fixed axis, means mounting said second roll for rotation about a shiftable axis, means mounting said third roll for rotation about a shiftable axis, and means to positively shift the axis of the second roll, the engagement of the belt with the third roll causing the shifting of the axis thereof to maintain it parallel with the shifting axis of the second roll.

2,597,257
ELECTRIC SWITCH
Henry V. Nye, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 11, 1948, Serial No. 32,455
7 Claims. (Cl. 200—144)



5. A switching device, comprising: a stationary arcing contact; a movable arcing contact co-

operating with said stationary arcing contact to draw an arc therebetween upon separation thereof, said movable arcing contact comprising a first pair of parallel spaced conducting members mounted for cooperation with said stationary arcing contact and a second pair of parallel spaced conducting members pivotally mounted on the contact engaging end of said first pair of conducting members for swinging movement therewith; an arc chute for receiving the arc upon separation of said arcing contacts at one end thereof and for discharging the arcing products at the other end; and guiding means responsive to separation of said arcing contacts for causing said second pair of conducting members to swing toward the discharge end of said chute causing the arc to move toward the discharge end of said chute in response to arc drawing movement of said movable arcing contact.

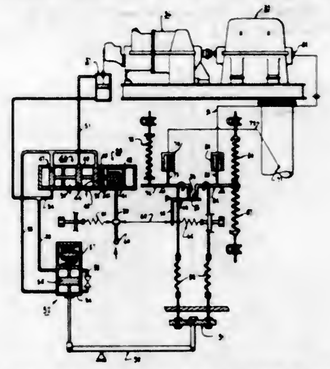
2,597,258
BLADE AND HANDLE COMBINATION
Andrew Papp, Grafton, Ohio, assignor to Regis Plastics, a corporation
Application February 14, 1950, Serial No. 144,100
4 Claims. (Cl. 30—320)



1. A knife or the like comprising a molded plastic handle having a flat bore extending therethrough from end to end, a blade slidably received in the bore and of dimensions to have a snug sliding fit in the bore, a metal insert of flattened C-shape molded into the plastic, the inside of the insert defining substantially the inside of the bore adjacent one end of the handle, a circular hollow boss formed integral with the insert, the boss being tapped, a set screw carried by the boss, the handle being formed with a hole in alignment with the set screw so that it can be turned into locking engagement with the blade, said handle being smoothly rounded and tapering towards each end, and a plurality of substantially parallel ribs at opposite sides of the handle molded integrally with the handle and tapering into the handle.

2,597,259
STABILIZATION OF CONTROL AMPLIFIERS
Wilbur F. Pray, Hastings on Hudson, N. Y., assignor to Askania Regulator Company, a corporation of Illinois
Application October 13, 1949, Serial No. 121,183
4 Claims. (Cl. 121—41)

1. In a system that includes a control amplifier having a signal input member movable to change the operating condition of the amplifier and plural signal systems each having a movable output member which respectively are arranged for selectively controlling the position of such member; stabilizing feedback means arranged to provide stabilization of control amplifier operation by any signal system without introducing material overlap of control by different signal systems at crossover of control from one to the other, said means comprising follow-up mechanism having an input for operation by the output of the control amplifier and being arranged to deliver an output signal proportional to magnitude of the control amplifier output, for exerting such output signal directly said follow-up mechanism having plural output members respectively connected with the respective signal system output members in opposition to the out-

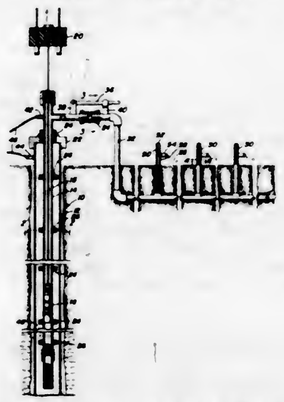


puts of said signal systems and independently of the signal input member of the control amplifier.

2,597,260
PREPARATION OF N-ALIPHATIC MORPHOLINES
Richard A. Reck, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application February 16, 1951, Serial No. 211,410
9 Claims. (Cl. 260—247)

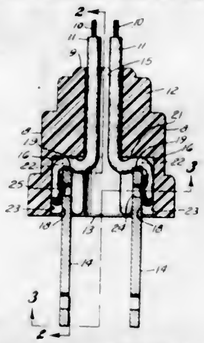
1. The process of preparing N-aliphatic morpholines, which comprises cyclizing bis (2-hydroxyethyl) aliphatic hydrocarbon amines in the vapor phase at from 300–400° C. while in contact with a dehydration catalyst.

2,597,261
WELL CLEARING APPARATUS
Leonard H. Rhoads, St. Elmo, Ill., assignor to Lloyd W. Feller, St. Elmo, Ill.
Application December 9, 1949, Serial No. 131,998
1 Claim. (Cl. 219—39)



The combination of a pipe line, and an electrode of the class described, said electrode comprising a substantially vertical tubular body secured at its lower end to and communicating with said pipe line, the upper end of said body being provided with a relatively small vent aperture, and an electric terminal provided adjacent the upper end of said body.

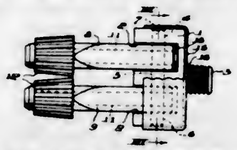
2,597,262
ELECTRICAL CONNECTION PLUG
Albert J. Roger, Oakland, Calif.
Application May 1, 1948, Serial No. 24,520
1 Claim. (Cl. 173—361)



In an electric plug constituting a terminus for a pair of conductors and having a pair of prongs in electrical contact with said conductors, said prongs having spurs on opposite edges thereof and apertures adjacent the inner ends thereof, said conductors having a covering of resilient insulation, the ends of said conductors being bared of insulation and folded back upon the ends of said insulation, a body having a central aperture for receiving said conductors and a pair of laterally offset cavities extending from said aperture, said cavities having top and side walls along portions of which said conductors are arranged to be extended in a plurality of substantially right angle bends, a groove in each of said cavities receiving and positioning each of said prongs in said body at a distance from said side walls less than the combined thickness of the bared and insulated portions of said conductors, whereby said prongs contact said bared portion and compress said folded back portions of said conductors against said side walls for firm electrical contact between said prongs and said bared ends of said conductors and restrain withdrawal of said conductors from said plug when a pulling force is exerted on said conductors, and portions of said bared ends of said conductors extend into said prong apertures to augment the extent of electrical contact between said prongs and said conductors and whereby the inner ends of said prongs bear against said resilient insulation adjacent said top walls and in cooperation with said top walls grip said insulation and restrain withdrawal of said conductors from said plug when a pulling force is exerted on said conductors, the width of said grooves being such that said spurs on said prongs dig into surfaces of said grooves and restrain withdrawal of said prongs from said plug, and stops at the inner ends of said grooves limiting inward movement of said prongs.

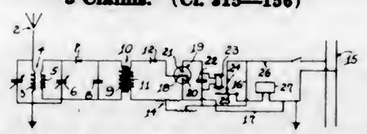
2,597,263
TWO-ARM EXPANDING HEAD TUBE CLEANER
James P. Rodgers, Belleville, N. J., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application December 30, 1950, Serial No. 203,633
4 Claims. (Cl. 15—104.14)

1. A two-arm expanding head for cleaning tubes and the like, comprising a spider provided at its front end with a pair of parallel slots extending across it, the spider also being provided with aligned holes extending transversely through it perpendicularly to the opposite sides of the slots midway between their ends, a pin extending through said holes and across the slots, a single arm disposed in each slot and extending forward therefrom, the rear ends of the arms being pivotally mounted on said pin to permit the front ends



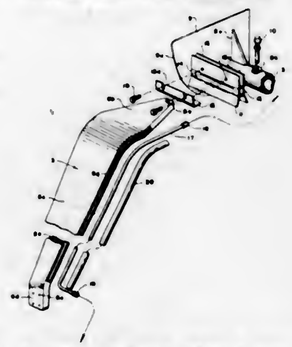
of the arms to swing outward in opposite directions, cutting members mounted on the front ends of the arms, and a cup having a side wall encircling the spider and covering the ends of said pin to hold it in the spider, the cup having a rear wall behind the spider provided with a central opening for receiving a head-rotating member.

2,597,264
RADIO-FREQUENCY OPERATED RECEIVING SYSTEM CONSUMING ZERO STANDBY POWER
Phillip W. Russell and Joseph L. Harmon, Cleveland Heights, Ohio
Application July 3, 1948, Serial No. 36,914
3 Claims. (Cl. 315—156)



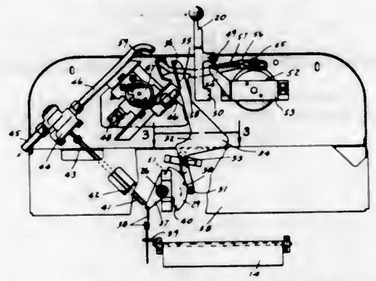
1. In a standby power eliminating, radio-frequency-operated receiving system, a no-power-consuming crystal detector circuit, a voltage step-up transformer coupling said circuits with each other and a circuit including a three-element cold cathode type gas discharge tube having its grid electrically connected with the second crystal detector circuit to control firing of said gas discharge tube by signals received and stepped up by the receiving system.

2,597,265
RESILIENT STRUT FOR AIRCRAFT LANDING GEARS AND THE LIKE
Thomas B. Salter, Wichita, Kans., assignor to Cessna Aircraft Company, a corporation of Kansas
Application April 4, 1947, Serial No. 739,315
14 Claims. (Cl. 244—104)



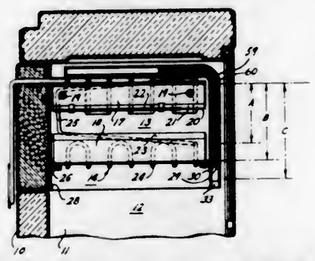
1. In an aircraft landing gear, a fluid-actuated brake, a cantilevered strut formed from a single unitary member of flat resilient material of uniform thickness arranged to flex under load, a groove in an edge of said member extending longitudinally in the direction of the length of said strut and symmetrically disposed with respect to the neutral axis of said strut, and a tubular member carrying actuating fluid for said brake housed within the groove in the edge of said flexing strut.

2,597,266
GAS CONTROL FOR COOKING RANGES
Alvin G. Sherman, Grosse Pointe Park, Mich., assignor to Globe American Corporation, Kokomo, Ind., a corporation
Application December 6, 1947, Serial No. 790,121
12 Claims. (Cl. 126—39)



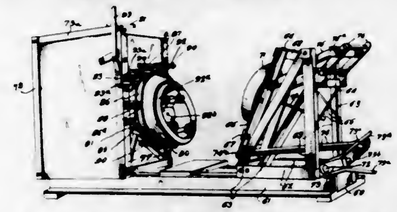
1. In a gas cooking range having an oven, an oven gas control for the oven burner including a valve connected with the burner biased to normally closed position, a valve control member mounted and accessible only from within the oven operably associated with said valve and manually shiftable to open it, and a second valve control member mounted and accessible externally of said oven operably associated with said first-mentioned member and manually shiftable in a direction to permit said first-mentioned member and valve to return to valve closed position.

2,597,267
REFRIGERATOR HAVING AN EVAPORATOR PROVIDED WITH A MOVABLE SECTION
Malcolm G. Shoemaker, Doylestown, and Elmer W. Zearfoss, Jr., Philadelphia, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 29, 1949, Serial No. 129,934
3 Claims. (Cl. 62—99)



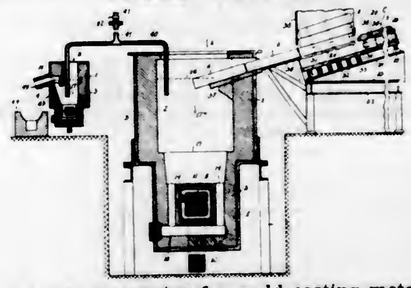
1. In a refrigerator, an inner liner defining a space within a refrigerator, complementary sections cooperating with each other to define a freezing compartment within said space, said sections being mounted for selective adjustment with respect to each other to vary the size of said compartment, and a closure structure for said compartment adapted for adjustment in conformity with the relative adjustment of said sections.

2,597,268
MACHINE FOR ANGULARLY GUIDING AND MOUNTING TIRES ON WHEELS
William F. Simpson, Louisville, Ky., assignor, by mesne assignments, to Minneapolis-Moline Company, a corporation of Minnesota
Application December 19, 1947, Serial No. 792,782
6 Claims. (Cl. 157—1.1)



1. A tire mounting machine comprising a rim holding means, a guiding means with an offset end portion for guiding a tire at an angle, a lever means for moving one portion of the bead of a tire over the guiding means and rim while holding another portion of the tire substantially without movement toward the rim and a second lever and connections for moving the remainder of the tire over the guiding means and rim and including a connection to the first lever means for giving a lesser movement to the portion of the bead first moved and a single lever for controlling the consecutive movements.

2,597,269
APPARATUS FOR THE MOLD CASTING OF METALS
Manuel Tama and Mario Tama, Morrisville, Pa., and James Lloyd Hoff, Pennington, N. J., assignors to Ajax Engineering Corporation, Trenton, N. J., a corporation of New Jersey
Application January 18, 1946, Serial No. 642,092
2 Claims. (Cl. 13—34)



1. In an apparatus for mold-casting metals a first submerged resistor-type induction furnace, a molten metal bath contained in the hearth of said furnace, a second tiltable submerged resistor type induction furnace provided with a pouring spout and having a smaller metal holding capacity than said first furnace, a molten metal bath contained in the hearth of said second furnace, a siphon connecting said hearths holding the metal baths in the same at an equal level, a platform to feed ingots into the molten bath in said first furnace hearth located at the substantial height of said equal metal level whereby a

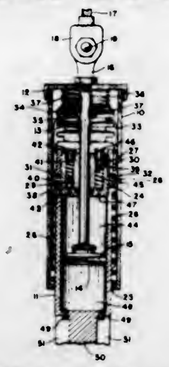
predetermined equal quantity of molten metal may be displaced into the mold by the tilting of said second furnace.

2,597,270

CABLE TENSION THERMAL COMPENSATOR

Compton I. White, Jr., Clark Fork, Idaho, and Fred R. Young, Raymond A. Pederson, and James J. Rahn, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware

Application August 2, 1949, Serial No. 108,196
11 Claims. (Cl. 74—501.5)



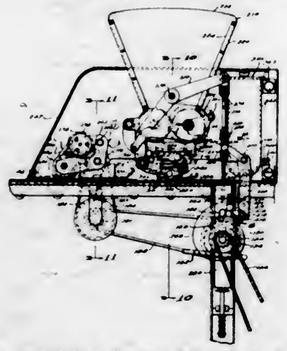
1. In a thermally responsive cable tension regulator, a regulator body having a fluid-tight chamber incorporated therein, a fluid working medium confined in said chamber to respond by expansion or contraction to temperature changes, heat transfer means comprising a portion of the regulator body having heat radiating elements formed thereon, said heat transfer means being operatively associated with the working medium to conduct heat to or from the interior of said chamber to the ambient atmosphere and displaceable means dividing the chamber into two compartments, the said means being responsive to the resultant of the forces of expansion and contraction developed in the separate bodies of working medium and adapted to vary the compensating action of the regulator.

2,597,271

COOKY MAKING MACHINE

Richard J. Williams, Birmingham, Mich.

Application October 9, 1946, Serial No. 702,222
5 Claims. (Cl. 107—7)



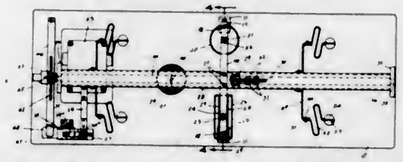
1. In a machine for making baked goods, an endless conveyor having a tortuous path comprising substantially horizontal and upright runs and including a plurality of trays and means pivotally supporting said trays at spaced intervals along the conveyor for pivotal movement about a single axis, counterbalance weight means carried by said trays for normally maintaining said trays disposed horizontally, means for continuously driving said conveyor, an instrumentality at one point along the path of said conveyor engageable with said trays as said trays are moved therepast, said instrumentality being such as would normally cause said trays to swing about their pivots; and guide means at said point acting independently of the influence of said counterbalance weight means for positively holding a tray against swinging movement, while being moved by the conveyor and while the instrumentality at said point is engaged therewith.

2,597,272

MICROTHERMAL RESPONSIVE CONTROL SYSTEM

Paul G. Winter, Indianapolis, Ind.

Application May 7, 1948, Serial No. 25,715
5 Claims. (Cl. 73—339)



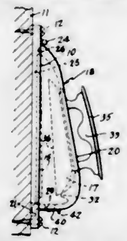
1. A thermally responsive device comprising in combination, a pair of spaced apart supporting standards, a cross-bar supported thereon by friction reducing means, a balanced beam supported on said cross-bar, a depending rigidly mounted weighted arm for stabilization on said cross-bar, a thermally disposable mass carried by said beam and displaceable longitudinally thereof, counterbalancing means carried by said beam and means for moving said beam carried counter-balancing means longitudinally of said beam in opposition to said thermally displaceable mass in periodic pre-determined movements and means for effecting the operation of said moving means controlled by the movement of said beam.

2,597,273

COLLAPSIBLE TUBE COMPRESSOR

Edward B. Scott, Bridgeport, Conn.

Application April 19, 1947, Serial No. 742,625
6 Claims. (Cl. 222—103)



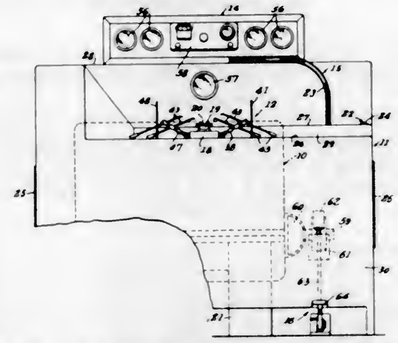
1. A dispenser of the character described comprising a base member provided with a longitudinal fixed platform on its forward side extending the greater portion of the length of the base, a removable housing open at the rear, means for detachably and removably mounting the housing on the forward side of the base over said platform, which means includes a transverse slot in the base member and a lower end wall on the housing provided with a downwardly extending rib on its rear edge seated in said slot, said lower wall also provided with an opening to receive the discharge nipple of a collapsible tube, a pressure block mounted in the housing extending substantially the full length of the platform and arranged to be bodily shifted rearwardly toward the platform to press the tube against the platform, and an elongated longitudinally extending operating handle on the block projecting through and guided by an elongated slot in the forward wall of the housing against longitudinal movement and movable inwardly by rearward pressure thereon to press the block against the tube.

2,597,274

CARBURETOR TESTING MACHINE

James C. Abbott, Los Angeles, Calif.

Application November 18, 1950, Serial No. 196,496
5 Claims. (Cl. 73—118)



5. A carburetor testing machine comprising, in combination, an internal combustion engine having an intake manifold, a cabinet housing said engine and manifold, a hollow portion on the manifold extending upwardly through the cabinet and adapted to mount a carburetor outward of the cabinet, a quick-release means for clamping the carburetor to said extension for test under operation of said engine, brake means for decelerating the engine by placing a load thereon during one phase of the test of the carburetor, a support extending forward of the cabinet adjacent the manifold extension, a tubular housing carried by said support and extending therethrough, said tubular housing having a downwardly facing flange adapted to engage the mounting flange of an updraft carburetor, a tubular gooseneck extending from the mentioned manifold extension to the tubular housing, and quick-release means for clamping said updraft carburetor and said gooseneck to said tubular housing, the first-mentioned quick-release means being adapted to clamp the gooseneck to the manifold extension.

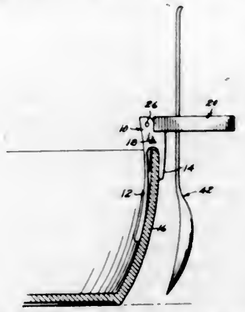
2,597,275

SPOONHOLDER

Axel P. Ahlstrand, Worcester, Mass.

Application August 16, 1949, Serial No. 110,527
1 Claim. (Cl. 65—65)

A spoon holder comprising a clip having a head portion and a pair of spaced fingers of unequal length on said head portion that are adapted to straddle the wall of a bowl so that said clip may be hung on the wall of the bowl with the longest of said fingers engaging the inner surface of the bowl, and the shortest of said fingers engaging the outer surface of the bowl, a spoon holding fork, a reduced body portion on said fork and said head portion having a slot therein to receive said reduced body portion so that a pin passed through said head portion and said reduced body portion will pivotally connect the fork to the head portion so that in a laterally projecting position of the fork the plane of the fork will be in a plane passing through the upper end of the head portion of the clip, means for respectively yieldingly holding the fork in upright and laterally projecting positions with respect to the bowl, said means



comprising a spring mounted on the head of the clip at one end of the slot therein and flattened faces on the body of said fork that are adapted to coact selectively with said spring when said fork is in upright or laterally projecting position, and said fork includes a spoon receiving slot of diminishing width inwardly from one end of the fork terminating in an enlarged opening of such diameter as to bring its wall face into holding contact with a spoon handle slipped through the slot flatwise and rotated slightly when in the opening and dropped, and a shoulder portion on the clip adjacent said head portion that is adapted to support said fork when said fork is in a laterally projected position with respect to the bowl.

2,597,276

INSULATION OF FERROMAGNETIC PARTICLES

George O. Altmann, Elizabeth, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 1, 1949, Serial No. 96,619
9 Claims. (Cl. 148—6.15)

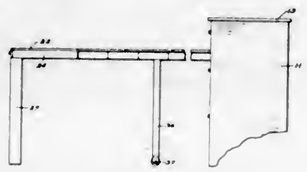
1. A process for insulating the particles of a ferro-magnetic metal powder, which comprises coating the particles with an aqueous solution of a water-soluble silicate and a water-soluble carbohydrate, the amount of silicate being at least 0.1%, and of carbohydrate at least 0.05%, of the weight of the metal powder, and the amount of water at least 10 milliliters per 100 grams of said powder; and drying by heating to form a thin coating of the carbohydrate and the silicate on the individual particles; thoroughly mixing the resulting powder with a volatile water-miscible organic solvent amounting to at least 10 milliliters per 100 grams of the powder, and a relatively small amount of concentrated aqueous phosphoric acid, containing H_3PO_4 amounting to at least 0.05% of the weight of the powder, and evaporating the solvent and residual moisture from the powder.

2,597,277

ARTICLE OF FURNITURE

Stanley T. Anderson, Jamestown, N. Y., assignor to Alliance Furniture Company, Jamestown, N. Y., a corporation of New York

Application May 19, 1951, Serial No. 227,235
3 Claims. (Cl. 312—317)



3. An article of furniture in the form of a chest, vertical partitions at the front corners of said chest cooperating with the chest end walls to form front opening pockets, a horizontal partition extending from one chest end wall to the other and cooperating with the top of said chest to provide a front opening compartment, extendable members forming slide units, the innermost members of said units being secured on said horizontal partition, a shelf secured on the outermost members of said units, an apron depending from the front edge of said shelf, a first set of legs depending from the front corners of said shelf, a second set of legs depending from intermediate members of said units, said sets of legs being contained in said pockets when said shelf and said units are fully retracted, said first set of legs serving to close said pockets, a door for said compartment, said door and combined shelf and apron cooperating to close said compartment and constitute the ornamental upper front portion of said chest when said shelf and said sets of legs are fully retracted, a drawer between said pockets located directly beneath said horizontal partition, a further open-front compartment beneath said drawer, the opening into said further compartment being limited in width to the space between said pockets, and doors carried by the inner walls of said pockets, said doors cooperating to close said further compartment, said first set of legs, the front of said drawer and said doors constituting the ornamental front portion of said chest beneath said apron.

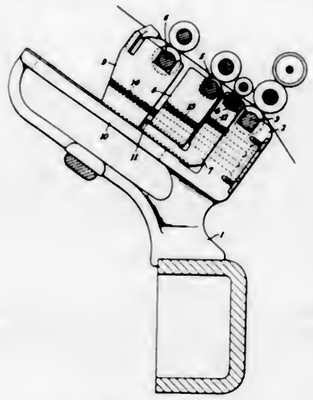
2,597,278

DRAFTING APPARATUS OF TEXTILE SPINNING AND ANALOGOUS MACHINES

John Barker Arundale, Accrington, Lancashire, and James Jackson Haythornthwaite, Huncoat, Lancashire, England, assignors of one-third to Howard and Bullough Limited, Accrington, England

Application April 27, 1950, Serial No. 158,518
In Great Britain May 4, 1949
9 Claims. (Cl. 19—134)

1. In drafting apparatus of a textile spinning or analogous machine, having drafting rollers which require adjustment of their relative spacing mounted in sets of bearing blocks slidably carried upon guides that extend lengthwise of a roller stand, the combination with a plurality of adjustable bearing blocks of individual lead screws each threaded into a single one of the blocks only for adjusting that block relative to the others, and a common stationary support in which all the screws are secured with capacity for rotary but not axial movement, each bearing block other than the one most remote from said common stationary support being formed to provide clear-



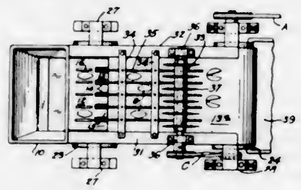
ance for the adjusting screw of each block more remote than itself from the stationary support.

2,597,279

APPARATUS FOR HALVING ALMONDS

David R. Bailey, Sacramento, Calif.

Application June 1, 1948, Serial No. 30,279
6 Claims. (Cl. 146—73)



6. An apparatus for treating shelled kernels of nuts comprising means for arranging nuts aligned in end to end relation in parallel rows, means for passing the arranged nuts longitudinally of the rows past a slitting position, and means for slitting the nuts entirely through the body thereof from end to end of the nuts by cutting contact therewith as the nuts pass said slitting position, whereby the nut bodies are severed into separate parts.

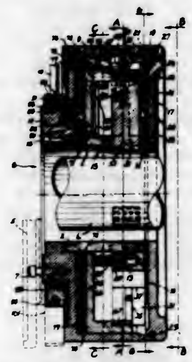
2,597,280

POWER-OPERATED UNIVERSAL CHUCK

Tracy W. Barnes, Webster Groves, Mo., assignor to John Ramming Machine Company, St. Louis, Mo., a corporation of Missouri

Application August 26, 1949, Serial No. 112,600
3 Claims. (Cl. 279—121)

1. A chuck comprising a support, jaw carriers carried by and guided for radial movement relative to the support, jaws carried by and guided for radial movement relative to the jaw carriers, wedges carried by and guided for axial movement relative to the jaw carriers, and a wedge driving member carried by and guided for axial movement relative to the support, axial movement of the wedge driving member causing simultaneous axial movement of all wedges, said wedges having radial sliding connections with the wedge driving member and being movable



between the jaw carriers and jaws to cause inward radial movements of the jaws.

2,597,281

OIL-IN-WATER EMULSION FOR VAT COLOR PRINTING

Joseph L. Borstelmann and Frederick Fordemwalt, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 8, 1949, Serial No. 114,694
4 Claims. (Cl. 8—70)

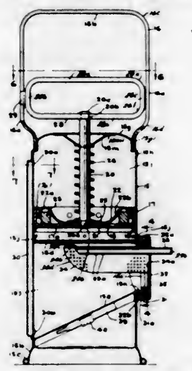
1. A stable color printing composition comprising a water-insoluble vat dyestuff disseminated through a water-dispersible oil-in-water type emulsion paste, said paste containing (*a*) water-soluble electrolytes including alkali metal carbonates and a water-soluble formaldehyde sulfoxylate salt (*b*) an aqueous bodying material consisting of a liquid hydrocarbon suspended therein as the internal phase, and (*c*) a water-soluble salt of a lignin sulfonate.

2,597,282

HAND-OPERATED DUSTER

Henry E. Brandt, North St. Paul, Minn.

Application March 21, 1946, Serial No. 655,907
16 Claims. (Cl. 43—147)



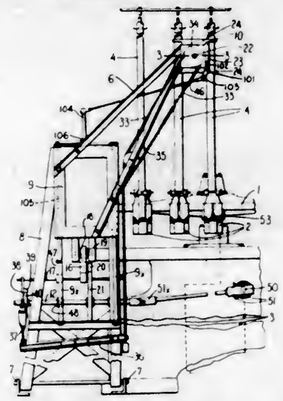
1. A device for projecting material in a shower of minute particles having in combination, a container, a handle extending upwardly from and fixed to said container having substantially parallel upwardly extending portions, a grip handle movable between said portions and substantially parallel thereto, said container having an air chamber therein, a plunger movable in said chamber and secured to said grip handle, said container having a second chamber therein for said material, a discharge member having communication with said second chamber, and a connecting means for directing air moved by said plunger into said second chamber to force material out through said discharge member upon movement of said plunger caused by grasping said first mentioned handle and grip handle and moving the latter.

2,597,283

APPARATUS FOR INVERTING LAMP TUBES

Joseph H. Brooks, West Peabody, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application June 30, 1949, Serial No. 102,274
8 Claims. (Cl. 49—2)



1. In combination with a sealing machine for tubular lamps having a plurality of tube-carrying heads disposed about the periphery thereof, apparatus for successively inverting the position of the tubes thereon comprising: a main carrier located adjacent to the periphery of the sealing machine and moveable toward and from the tube-carrying heads disposed about the periphery thereof; a second carrier moveable vertically on said main carrier; a tube manipulator rotatably mounted on said second carrier and having tube gripping means thereon; means to move said main carrier inwardly toward the tube-carrying heads of the sealing machine to present said tube manipulator to said tubes and move it away therefrom; means to move said second carrier in a vertical plane; and means to rotate said manipulator to invert said tubes one at a time.

2,597,284

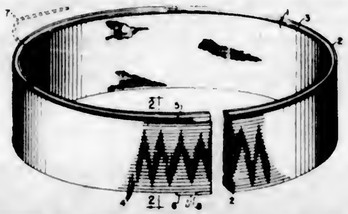
ENDLESS TRANSMISSION BELT

Arthur S. Brown, Tilton, and Gertrude E. Sedgley, Concord, N. H.

Application October 22, 1948, Serial No. 55,994
1 Claim. (Cl. 74—232)

An endless power transmission belt comprising an inner ply of fabric which constitutes the wear surface of the belt, an endless and seamless outer load-supporting ply of tubular woven fabric, the weft element of which is a single continuous un-

broken cord extending repeatedly around the ply with the adjacent turns of the cord lying parallel and closely together and held in their parallel arrangement by relatively small warp threads which are interwoven with the turns of the cord and which have free ends extending beyond the edge turn of the weft cord at each edge of the belt, and an intermediate ply of rubber which is situated between the inner and outer plies and is



vulcanized to both of them, the outer load-supporting ply being narrower than the intermediate ply of rubber and the latter being exposed on the outer side of the belt at each edge thereof, the extending free ends of the small warp threads being embedded in the exposed edge portions of the intermediate rubber ply and thereby securely retaining the edge turns of said load-supporting ply in place.

2,597,285

FLEECELIKE STRIPPING FOR BOOT TOPS OR THE LIKE

Leslie S. Brown, Newton, Mass.

Application June 8, 1951, Serial No. 230,652
6 Claims. (Cl. 2—278)



1. Fleece-like stripping of the character described, consisting of a limp and flexible backing and pile upstanding from one surface of the backing, at least one margin of the backing being permanently curled toward the opposite surface thereof, the pile extending substantially to the raw edge of said margin, and said edge being disposed in spaced relation to said opposite surface of the backing, whereby the pile carried by said curled margin is rounded over substantially to conceal the raw edge of the backing margin when the strip is applied to an article with its pile surface outermost, said margin being substantially free of longitudinal stiffness.

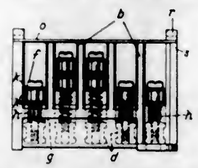
2,597,286

ELECTRIC CONNECTOR BLOCK

Frank Henry Burgess, Ilford, England, assignor to J. A. Crabtree & Co. Limited, Walsall, England, a British company

Application July 27, 1949, Serial No. 107,012
In Great Britain December 31, 1948
1 Claim. (Cl. 173—328)

A multiple socket for receiving a plurality of ferrules connected to the ends of a plurality of conductors comprising an upper clamp member and a lower clamp member each including a channel shaped member of substantially U-shaped transverse cross section, said members being assembled in opposed relation with their open sides facing each other, at least one flat plate disposed across the opposed open sides of said channel shaped members, said channel shaped members and said plate providing two adjacent sockets each of substantially rectangular transverse cross section and each adapted to receive therein a ferrule having a transversely extending groove on the exterior surface thereof, said channel shaped members and said plate each having inwardly projecting ribs on their inner surfaces adapted to engage within the grooves on the outer surface of ferrules received within each of said multiple sockets, a



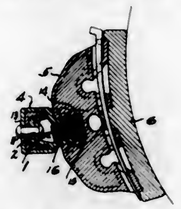
screw passing transversely through said channel shaped members and plate for forcing said channel shaped members toward said plate and into locking engagement with the ferrules received within the sockets formed by said channel members and plate with the ribs on said channel shaped members and on said plate in the grooves of the ferrules received within the said sockets, said screw having a head overlying one of said channel shaped members and having an abutment adjacent its opposite end and spaced from the other of said channel shaped members, and an expansion spring extending between said last mentioned channel shaped member and said abutment for maintaining resilient pressure engagement between the clamp members and plate and the ferrules inserted within the sockets formed by said members and plate when the screw is loosened.

2,597,287

RAILWAY TRUSS TYPE BRAKE BEAM END STRUCTURE

Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois

Original application February 3, 1944, Serial No. 520,867. Divided and this application December 16, 1946, Serial No. 716,452
14 Claims. (Cl. 188—228.6)



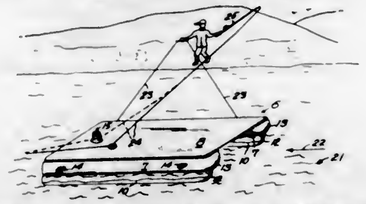
7. In a railway truss type brake beam including a compression member and a tension member converging at the end of the beam with their end portions extending alongside of each other and the tension member extending beyond and shouldered to engage the end of the compression member, an end member including a body forming a pocket receiving the ends of said compression and tension members and secured thereto, there being vertically spaced substantially horizontal flanges extending forwardly from said body, a beam support device having a portion inserted between said flanges and having a portion extending outwardly therefrom to engage a support bracket on an adjacent truck part, and a brake head having vertically spaced flanges receiving between them said end member flanges and the enclosed portion of said device.

2,597,288

CONTROLLED FISHING FLOAT

Milford R. Caldwell, Los Molinos, Calif.

Application July 25, 1947, Serial No. 763,487
1 Claim. (Cl. 43—43.13)



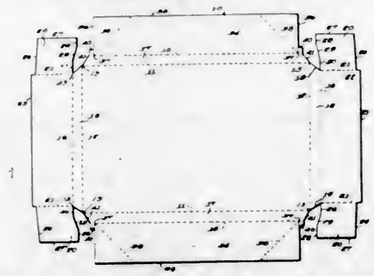
A fishing float comprising pontoons and a flat deck supported on the pontoons, said deck having at the longitudinal axis thereof adjacent the rear end of the deck a shaft perpendicular to and on the deck and a pulley rotatably mounted on the shaft, a rivet perpendicular to the deck positioned in spaced relationship to and forwardly of the pulley and laterally of the outer surface of the pulley and a disc held by the rivet in slightly spaced relation from the upper surface of the deck, said pulley and disc having no other means for holding them in spaced relation from each other, there being two or more securing means along the deck whereby a controlling line means for manipulation by the operator may be secured to the deck, said disc constituting a releasable clamp for a fishing line manipulatable by the operator, said pulley being of greater height than said disc, whereby manipulation of the fishing line by the operator will cause release of the fishing line from its position between the disc and the deck to a position engaging the pulley, said controlling line means enabling the operator to simultaneously or at some other time change the direction of the movement of the float.

2,597,289

PAPER BOX

Cecil Caskey, Mingo Junction, Ohio

Application July 26, 1948, Serial No. 40,740
4 Claims. (Cl. 229—32)



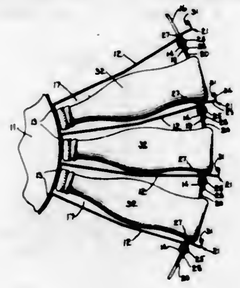
1. A box comprising a bottom, rectangularly arranged single-thickness side walls, a reinforcing flange at each side of the box formed integral with said bottom and the associated side wall, the portions of each flange connected with the associated side wall and said bottom being of V-section whereby the lower extremity of each side wall is spaced from said bottom, and means for preserving the V-shape of each flange, said means comprising flaps formed integral with the ends of opposite side walls and extending over and secured to the end portions of the other side walls, said flaps extending below the lower extremities of said other side walls into contact with said bottom wall.

2,597,290

RETAINER FOR VENDABLE MERCHANDISE

Harry S. Childers, Fresno, Calif., assignor to Vendorlator Manufacturing Company, Fresno, Calif.

Application March 25, 1949, Serial No. 83,337
3 Claims. (Cl. 312—45)



1. A construction of the character described comprising a compartment having opposite side walls, the compartment being adapted to receive an article of merchandise therein for vending purposes with one side of the merchandise disposed outwardly of the compartment, the article having space for relative movement between the side walls, a rigid lip on one of the side walls extending toward the other side wall for holding the merchandise against removal from the receptacle when the merchandise is located toward said lips respective side wall, and a transversely flexible strip on the opposite side wall edgewardly extended toward the wall bearing the lip urging the merchandise toward said wall, the lip being positioned outwardly of the strip from the compartment.

2,597,291

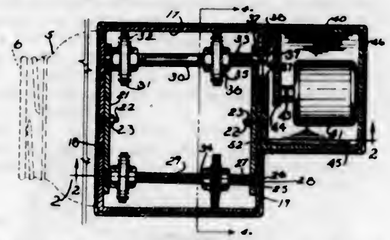
TUMBLE CHURN

Mark Clegg, North Kansas City, Mo.

Application March 30, 1950, Serial No. 152,937
3 Claims. (Cl. 259—81)

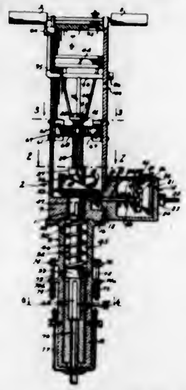
1. Apparatus for tumbling material contained in a cylindrical container comprising, a base, a pair of laterally spaced wheel carrying shafts carried by the base to engage and support the cylindrical container, means adjacent one end of the shafts and fixed relative to the base forming an abutment for limiting endwise movement of the cylindrical container toward the abutment, and means rotating one of the shafts to effect rotation of the cylindrical container, one of said shafts being tilted relative to the other whereby the longitudinal axis of the cylindrical container supported thereby is skewed relative to the axes

of the shafts and rotation of the roller carrying shafts and engagement thereof with the cylindri-



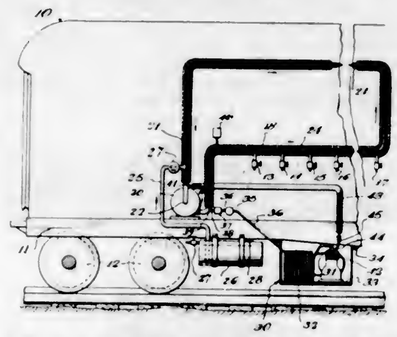
cal container urges endwise movement of said container toward the abutment.

2,597,292
POWER-DRIVEN JACKHAMMER
Oscar S. Coates, Rock Springs, Ariz.
Application April 30, 1949, Serial No. 90,727
4 Claims. (Cl. 255—42)



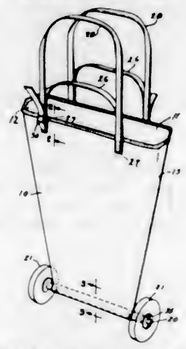
1. A power driven jack hammer, including, in combination, a cylindrical case body; an axially bored column bar axially operative therein; a hammer portion on the lower end of said column bar having a striking bar at its lower end; a drill chuck adapted to receive said striking bar at its upper end having means for retaining a drill in its lower end, a drill having an axial opening secured in said chuck, a spring within said case surrounding said column bar extending between said column bar and said case normally urging said column bar downward to striking position; means for raising said column bar against the urge of said spring and quickly releasing it, including horizontal cam rollers journalled radially relative to said column bar, and operatively associated therewith to communicate axial motion thereto, arcuate cams operative around said column bar beneath said cam rollers, gears adapted to drive said cams, a drive shaft, and a manually operatable clutch to control rotation from said drive shaft to said gears, and means for clearing the hole drilled by said drill comprising a cylinder formed within the upper end of said cylindrical body, a piston attached to the upper end of said column bar, operative in said cylinder, an air inlet valve opening into said cylinder, an air outlet valve and a pipe leading from said outlet valve to the axial bore of said column bar and extending therein in slidable air tight relation thereto.

2,597,293
REFRIGERATED WATER SYSTEM
Eugene J. Coletti, Chicago, Ill.
Application August 5, 1950, Serial No. 177,925
2 Claims. (Cl. 62—141)



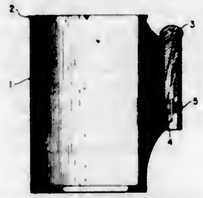
1. In a circulating refrigerated water system for a railway car, the combination of a closed recirculating cool water circuit comprising a supply line having a plurality of water outlets spaced apart along its length, a circulating pump having an outlet discharging water into said lines under pressure to maintain flow therethrough, and a return line extending from said supply line to the intake of said pump, with said supply line, circulating pump and return line located within the said railway car; a water supply connection for said recirculating circuit, and a refrigerating system located exteriorly of the car, with an evaporator comprising a refrigerant line extending substantially the entire length of the water supply line and in intimate heat exchanging relationship therewith.

2,597,294
WHEELED SHOPPING BAG
James F. Conner, Cleveland, Ohio
Application September 28, 1948, Serial No. 51,527
2 Claims. (Cl. 280—51)



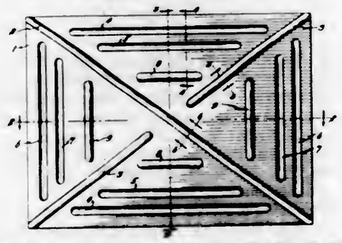
1. A shopping bag comprising a container, an axle, means for attaching the container at only the lower end thereof to the axle, a pair of wheels journalled on the axle, and a strap having one end thereof attached to the container and having an intermediate portion also attached to the container to provide a fixed handle, the strap then extending upwardly above the fixed handle and having its free end adjustably attached to the container and providing an adjustable handle for the bag.

2,597,295
MILK CAN HOLDER
James F. Connor, Cleveland, Ohio
Application April 28, 1950, Serial No. 158,744
1 Claim. (Cl. 222—192)



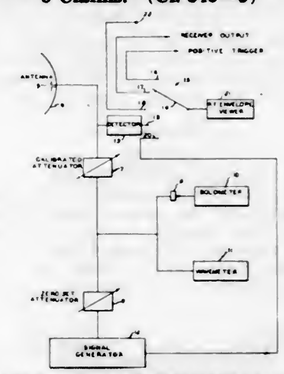
A holder for a milk can comprising a hollow cylindrical body having a shoulder at the bottom thereof for receiving a milk can, said body having a length substantially equal to that of the can and having a substantially smooth exterior from top to bottom except for a handle, and said body having a notch on the upper edge thereof positioned diametrically opposite the handle, said notch being adapted to serve as a pouring spout for milk from a can which is adapted to be positioned within the holder, and said handle having an opening therein adapted to receive a milk-can punch.

2,597,296
FORMING STARTING SHEETS FOR ELECTROLYTIC REFINING OF NICKEL
Wilfred James Cook and Joseph Howard Tuck, Port Colborne, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Original application October 1, 1948, Serial No. 52,302. Divided and this application June 10, 1950, Serial No. 167,342. In Canada June 12, 1948
4 Claims. (Cl. 204—112)



1. The herein described method of forming starting sheets for electrolytic refining of nickel which comprises electrodepositing nickel on a stainless steel blank to form an electrodeposited sheet, stripping the said sheet of electrodeposited nickel from said blank, roll straightening the stripped nickel sheet in repeated passes with turning of the sheet intermediate of each pass, die-pressing said nickel sheet and offsetting multiple spaced deformations located at both sides of each central axis of the sheet and extending parallel to the edges of the sheet, said multiple deformations being spaced from said edges by plane surface marginal areas and having certain ones offset from one side of the sheet and others offset from the other side of the sheet and forming centered deformations extending diagonally of the sheet including deformations coextensive therewith, and controlling said deformations to have a depth of about one-sixteenth of an inch and a width of about one inch whereby a stiffened starting sheet is formed having a major area constituted of plane surfaces and a minor area constituted of offset portions in the form of shallow elongated deformations of arched cross-sectional contour.

2,597,297
TEST SET FOR PULSE-ECHO RADIO LOCATORS
Dale R. Corson, Arlington, Va., and Howard L. Schultz, Wellesley, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 18, 1945, Serial No. 588,990
8 Claims. (Cl. 343—5)

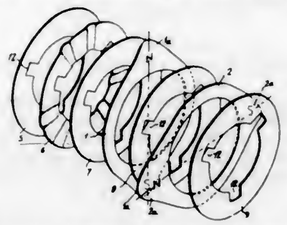


1. An apparatus for testing the operation of a radio object locating system having means for periodically transmitting pulses of electromagnetic energy into space to irradiate an object therein and a receiver responsive to a portion of said energy after reflection from said object, said apparatus comprising a cathode ray tube indicating means as a component part thereof coupled to the output of said receiver, a signal generator for producing radio frequency pulses at substantially the same frequency as the transmitted pulses, means coupled between said radio object location system and said signal generator for synchronizing the production of said radio frequency pulses with the transmitted pulses, delay means in circuit with said signal generator for delaying each of said radio frequency pulses for a predetermined time interval relative to its corresponding transmitted pulse whereby a reflected signal is simulated, an antenna coupled to the output of said signal generator for directionally emitting the pulses from said signal generator whereby they are received by said receiver, and calibrated means for varying the power level of the pulses from said signal generator to produce an indication of predetermined amplitude on said cathode ray tube indicating means whereby the reading of said calibrated means provides an indication of the sensitivity of said receiver.

2,597,298
BEAM CENTERING DEVICE FOR CATHODE-RAY TUBES
Patrick Richard James Court, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application February 17, 1950, Serial No. 144,688
In Great Britain February 18, 1949
6 Claims. (Cl. 313—75)

1. A device for centering the electron beam of a cathode ray tube comprising two annular mag-

nets each permanently magnetised across its diameter means for supporting said two magnets side-by-side and coaxially surrounding the neck of the cathode ray tube, each magnet being independently rotatable around the common axis, a



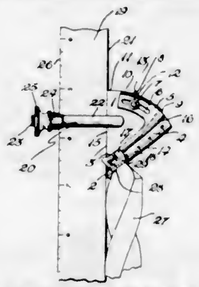
thin annular spacer of non-magnetic material positioned between said magnets, and resilient means urging said magnets axially towards one another with the spacer compressed therebetween.

2,597,299
SPRING STRUCTURE
Nelson A. Crites and Nathaniel C. Fick, Columbus, Ohio, assignors, by mesne assignments, to Standard Steel Spring Company, Coraopolis, Pa., a corporation of Pennsylvania
Application May 27, 1947, Serial No. 750,838
8 Claims. (Cl. 267—47)



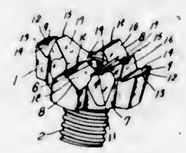
1. A leaf spring structure comprising in combination spring leaves having all surfaces subject to tension stresses completely peened, said peened surfaces being such that the compression stresses resulting from the peening operation penetrate below the decarburized layer, and means, spacing said leaves from each other, interposed between at least those leaves having peened surfaces, and adjacent said peened surfaces.

2,597,300
DRILL POINT GAUGE
Thomas Cuff, Saskatoon, Saskatchewan, Canada
Application May 3, 1948, Serial No. 24,889
1 Claim. (Cl. 33—201)



A drill gauge attachment for steel rules, comprising in combination a sector plate attachable against the edge of said rule, a clamp secured to and projecting from said plate at right angles to one edge thereof, said clamp comprising a bifurcated steam through which said rule may be inserted at right angles to the axis, and a clamp tightening action on the distal end of said stem operable to effect frictional cohesion between the adjacent edges of said rule and said sector plate, a protractor beam having a graduated edge, pivotally attached to said sector plate, an arcuately slotted offset quadrant arm on the free end of said beam, beam clamping means on said plate and extending through said slot, a guide bar extending between the ends of said beam and overlying same in parallel spaced relationship and a pointer drilled normal to the pointing direction and movable along said bar via said drilling, said pointer having reference to said graduations.

2,597,301
ROCK DRILL BIT
John C. Curtis, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application August 21, 1945, Serial No. 611,829
8 Claims. (Cl. 255—64)

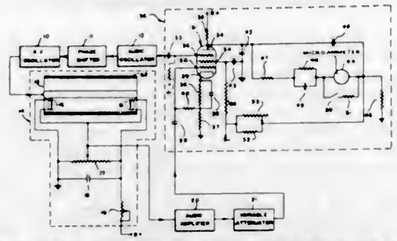


1. In a rock drill bit of the kind which is percussively actuated and intermittently rotated during drilling, a bit body having curved cutting and reaming edges substantially at or near the periphery of the bit, parallel straight chopping edges spaced equi-distantly from the axial center of the bit at opposite sides of the bit face and projecting a substantial distance forwardly in advance of said curved edges, and an additional straight cutting edge located on the bit face rearwardly of said chopping edges.

2,597,302
PROCESS FOR UTILIZATION OF THE GAS WASHING LYE FROM ALUMINUM ELECTROLYSIS IN CRYOLITE PRODUCTION
Halvard Dale, Ardalstangen, Norway, assignor to A/S Ardal Verk, Oslo, Norway
No Drawing. Application July 26, 1948, Serial No. 40,786. In Norway July 28, 1947
4 Claims. (Cl. 23—88)

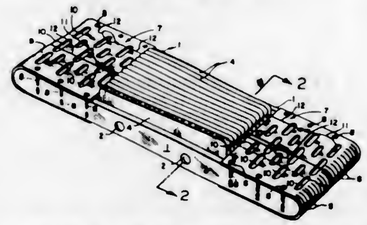
1. A process for the production of cryolite, Na_3AlF_6, from fluorine and hydrogen fluoride contained in the waste gases from the electrolytic production of aluminum, which comprises treating said waste gases with an alkaline aqueous solution of a compound of sodium to form sodium fluoride from the hydrogen fluoride contained in the waste gases, separating the sodium fluoride containing solution from the insoluble impurities therein, treating the filtered fluoride solution with alkali soluble highly reactive aluminum monohydroxide, AlOOH, obtained from the decomposition of clay with sulphurous acid, thereby precipitating cryolite, Na_3AlF_6, with the formation of sodium hydroxide in the reaction solution, treating the reaction solution with sodium bicarbonate in an amount to provide a pH in the solution between 8 and 9 to thereby precipitate a further amount of cryolite, the aforesaid steps being carried out at a temperature ranging from about 40 to about 100° C.; and removing the formed cryolite from the solution and drying the same.

2,597,303
RADIO-FREQUENCY VACUUM TUBE VOLTMETER
Robert H. Dicke, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,009
12 Claims. (Cl. 171—95)



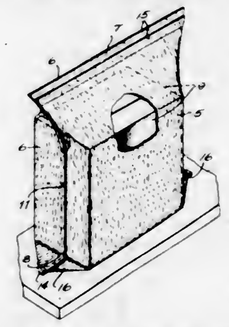
1. Radio frequency measuring apparatus comprising a means for generating a radio frequency wave, a means for modulating said radio frequency wave with an audio frequency, a transmission line, means to apply the modulated radio frequency wave as an input signal to said line, a first and a second bolometric resistive element, means to couple said first and second resistive elements to said line at predetermined points thereon, means to impress a constant D.-C. potential across said resistive elements, the resistance and voltage drop across each resistive element being proportional to the instantaneous amplitude of the modulated radio frequency, means whereby the instantaneous voltage across the resistive elements are subtracted to produce an output voltage, the fundamental component of which is equal to the modulation frequency, an electron discharge device having a control electrode, a means for injecting said output voltage into said control electrode, said electron discharge device also containing an anode, a suppressor electrode, a screen electrode, and a cathode, a means for injecting a signal from said modulating means directly into said suppressor electrode, and a meter to measure the D.-C. component of plate current flow in said device.

2,597,304
FISHHOOK AND LEADER CARRIER
Vachel S. Dillingham, Oklahoma City, Okla.
Application May 16, 1947, Serial No. 748,523
5 Claims. (Cl. 43—57.5)



1. A device of the class described, including: a substantially rectangular hollow body of sheet material, having an upper and lower wall, each wall having a group of transversely extending staggered through openings for receiving the points of fish-hooks, each of said groups of openings being located adjacent to the ends of said body; a plurality of longitudinally extending flat plates disposed on edge in face to face relation to each other, located intermediate the two groups of openings, said plates being of sufficient width to project above and below said walls and being adapted to receive fish-hook leaders therebetween; and means for resiliently urging said plates toward each other for impinging and retaining said leaders.

2,597,305
BAG
James F. Doyle, Forest Hills, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a corporation of New York
Continuation of applications Serial No. 514,942, December 20, 1943, and Serial No. 610,258, August 11, 1945. This application November 20, 1946, Serial No. 711,189
4 Claims. (Cl. 229—53)



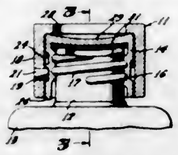
2. A bag of the class described, comprising two sheets of crinkled paper having the crinkles extending longitudinally thereof, each of said sheets being made of a plurality of plies of crinkled paper laminated together by means of a layer of asphaltic adhesive, said sheets being arranged in superposed relation with one end of each sheet projecting a distance beyond the corresponding end of the other sheet, the inner sides of the longitudinal margins of the sheets being adhesively secured together to form the side seams for the bag, and the projecting end margin of one sheet being folded over and secured to the corresponding margin of the other sheet to form a closed bottom for the bag, and adhesive coating the corresponding margins of the other ends of the sheets.

2,597,306
PRINTING PROCESS WHEREIN AN ALKALINE SUBSTANCE PASSING THROUGH STENCIL OPENINGS EFFECTS COUPLING OF AN AZO DYE IN SITU
Samuel Edward Eaton, Lexington, and Robert W. Fabian, West Newton, Mass., assignors to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application October 5, 1949, Serial No. 119,774
7 Claims. (Cl. 8—71)

1. A process of printing which comprises applying to a support a diazo compound capable of yielding a dye when coupled, and a coupler for the diazo compound the reaction of said compounds being inhibited by acid, and an acid, said acid being present in an amount at least sufficient to prevent immediate coupling of the diazo compound, exposing the support through

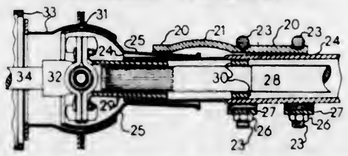
a stencil to sufficient alkali to cause coupling of alkalized diazo component and said coupler, and fixing the uncoupled compound.

2,597,307
SAFETY CLOSURE
Bertram Elkind, Los Angeles, Calif.
Application August 5, 1950, Serial No. 177,891
9 Claims. (Cl. 215—9)



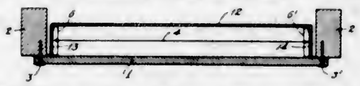
1. A closure comprising, in combination, an internal cap having internal threads adapted to engage the threads of a container neck, an external cap coaxially circumjacent said internal cap and rotatable therearound; a circumferential pin-and-groove connection between said caps consisting of an annular groove in one cap and an engaging pin secured in the other cap; said one cap also having a plurality of grooves communicating with said annular groove, spaced around said annular groove, and slanted toward the top of the closure at an angle of less than 10°, one of said slanted grooves having an offset portion at its end into which said pin may be moved to provide interlocking between said caps; a first index on said internal cap; and a second index on the exterior of said external cap corresponding in shape to said one of said slanted grooves, registration of said indexes indicating that said pin is opposite said one slanted groove.

2,597,308
ALIGNER FOR SHAFT HOUSINGS
Fredrick Erhardt, Regina, Saskatchewan, Canada
Application July 13, 1948, Serial No. 38,540
2 Claims. (Cl. 64—3)



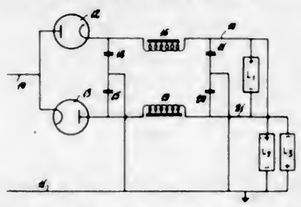
1. Means for supporting and aligning universal housing and propeller shaft housing assemblies comprising a single elongated metal member of semi-circular cross section throughout the greater portion of its length, said elongated member having an enlarged portion adjacent one of its ends, said enlarged portion being semi-circular in cross section and arcuate in longitudinal section in respective relation to the radius and long axis of said member for clearing flanges projecting from the neck of the universal housing, the end of the member remote from the enlarged portion being provided with spaced apart transversely extending grooves, and a substantially U-shaped clamping device lodged in each of said grooves and embracing said propeller shaft housing whereby tightening of the clamping devices urges the member into engagement with the propeller shaft housing and forces that portion of said member beyond the enlarged portion to exert pressure on the neck of the universal housing to move the propeller shaft housing into alignment with the universal housing.

2,597,309
INSULATING LATH FOR BUILDING AND LIKE STRUCTURES
Joseph L. Finck, Brooklyn, N. Y.
Application August 30, 1946, Serial No. 693,946
1 Claim. (Cl. 154—45)



A building unit capable of providing lath and heat insulation on application, comprising lathing material adapted to be fastened to the edges of two consecutive framing members of a structure, a sheet of substantially stiff material extending substantially parallel to the lathing material and adapted to fit between the two consecutive framing members, side members, spaced and oppositely disposed with respect to each other and coextensive with the sheet and joining the sheet to the lathing material so as to provide a substantially enclosed air space, the side members being flexibly connected with the sheet and lathing material so that the sheet may be collapsed against and spaced from the lathing material, and the sheet having flexibly-connected substantially stiff extensions for maintaining the sheet spaced from the lathing material.

2,597,310
ELECTRONIC APPARATUS
Donald Henry Fisher, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application October 12, 1949, Serial No. 120,877
In Great Britain March 31, 1949
5 Claims. (Cl. 171—97)

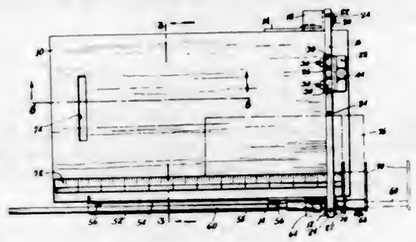


1. Apparatus for operation from alternating current supply mains, comprising in combination a half wave rectifier, a supply line connected to the anode of said rectifier, a reservoir condenser connected between the cathode of the rectifier and the other line of the supply, a smoothing choke connected to said cathode, a load circuit connected between said choke and said other line of the supply, a smoothing condenser connected across said load, a second rectifier having its cathode connected to said first mentioned supply line, a reservoir condenser connected between the anode of said second rectifier and said other supply line, a second smoothing choke connected to the anode of said second rectifier, a second load circuit connected between said other line of the supply and said choke, a smoothing condenser connected across said second load and a third load connected across both the first and second loads.

2,597,311
GLASS-CUTTING APPARATUS
Samuel Frank, Houston, Tex.
Application May 25, 1950, Serial No. 164,148
4 Claims. (Cl. 33—32)

1. Glass cutting apparatus comprising a base having a flat upper surface, adapted to support

a plate of glass thereon, upright supports secured to opposite sides of said base and extending above said surface, a horizontal trackway including upper and lower vertically spaced parallel bars secured to said supports and extending across said base in spaced parallel relation to said surface, a carriage mounted on said trackway for movement across said base, spaced upper and lower vertical rollers on said carriage said upper rollers being supportingly engageable with the upper face of



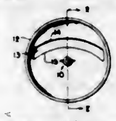
said upper bar, and said lower rollers being engageable with the lower surface of said lower bar, adjustable means connecting said bars for varying the distance between said bars to adjust the contact of said bars with said rollers, glass cutting means mounted on said carriage for vertical movement thereon into engagement with a plate of glass positioned on said surface and means on said carriage engageable with said cutter means for adjusting the pressure of said cutter means on the glass.

2,597,312
SPECTACLES
Pierre Gardissard, Nice, and Marcel Delorme, Saint Mihiel, France, assignors to Societe Industrielle et Commerciale des Ouvriers Lunetiers (Eparvier, Cottet, Poichet & Cie), a joint-stock company, Paris (Seine), France
Application March 2, 1950, Serial No. 147,234
In France March 3, 1949
1 Claim. (Cl. 88—41)



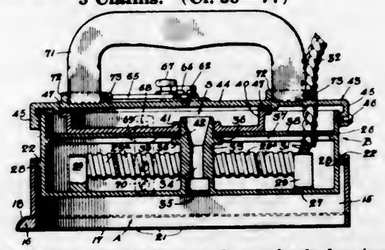
A spectacle frame provided with bows, a bridge and bow-carrying arms, said bow-carrying arms capable of being flexibly moved forward and rearwards of the lenses without substantially affecting the position of the lenses and the bridge comprising tapered, flexible bow-carrying arms, lens-carrying arms curving upwardly and outwardly from the bridge and in contact with the lenses, said bow-carrying arms secured by solder to the corresponding nasal ends of the lens-carrying arms and forward of said lens-carrying arms, said bow-carrying arms curving upwardly and outwardly from the lens-carrying arms in continually diverging paths from the corresponding lens-carrying arms, said bow-carrying arms adapted to be connected at their outer extremities to the bow.

2,597,313
ANTENNA
John H. Gardner, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application June 7, 1945, Serial No. 598,153
11 Claims. (Cl. 250—33.65)



5. An antenna comprising means for radiating electromagnetic wave energy, a directive reflector having an axis and positioned to reflect radiation from said radiating means in a given radiation pattern, and means for modifying said given radiation pattern in a predetermined manner including a substantially non-reflective portion within the boundaries of said reflector and positioned effectively to form a part of the surface of said directive reflector, said non-reflective portion extending substantially the full distance across said reflector on one side of said axis, the size and position of said non-reflective portion being determined by said predetermined manner of modification of said given radiation pattern.

2,597,314
STEAMING AND PRESSING FLATIRON
Harry L. Gordon, Sunland, Calif.
Application May 29, 1950, Serial No. 164,874
5 Claims. (Cl. 38—77)

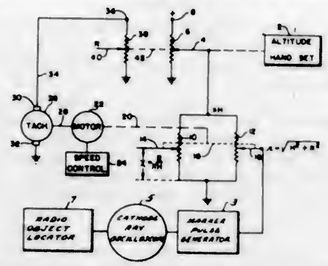


1. A flatiron including: a lower body having an apertured sole plate; an upper body having a steam receiving chamber therein, and a passage leading from the latter to the bottom of the lower body; an electrical heating element carried by the upper body; the lower body being hollow so as to receive the upper body in telescoping relation therewith to occupy an elevated position in which it is sufficiently spaced from the sole plate to prevent the heat radiated from said element from scorching or burning the material being ironed, and a lowered position in which said element is contiguous to the sole plate; and springs disposed exteriorly of both bodies and operatively associated therewith for urging the upper body to elevated position in the lower body and coacting means on both bodies to determine the elevated position.

2,597,315
COMPUTER FOR SOLVING RIGHT TRIANGLES
John W. Gray, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application November 6, 1945, Serial No. 627,045
10 Claims. (Cl. 235—61.5)

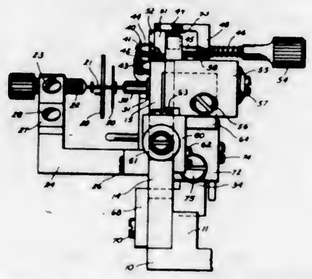
1. In combination with an airborne radio object locating apparatus wherein the position of a

target with respect to the aircraft is shown on an oscilloscope screen and where a marker signal also appears on said oscilloscope screen, a triangle solving computer, said computer including means for generating a voltage proportional to the height of the aircraft above the target, a first potentiometer having a hyperbolic characteristic, a second potentiometer having a linear characteristic, said first potentiometer and said second potentiometer being connected in parallel, means for applying said voltage across said potentiometer combination, a motor, a mechanical connec-



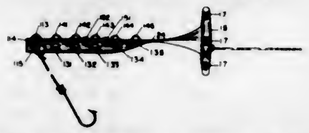
tion between said motor and the movable arms of said two potentiometers, means for utilizing the voltage developed at the arm of the hyperbolic potentiometer to position said marker signal, means for adjusting the speed of said motor so that the marker is always superimposed on the target representation appearing on the oscilloscope screen whereby the voltage developed at the arm of said first potentiometer is proportional to the instantaneous slant range of the target and the voltage at the arm of said second potentiometer is proportional to the instantaneous ground range of the target.

2,597,316
HAIRSPRING VIBRATING STAND
Lester M. Grether, Harry A. Turner, and Fred R. Schweigler, Delavan, Wis., assignors to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application November 17, 1948, Serial No. 60,474
5 Claims. (Cl. 73—6)



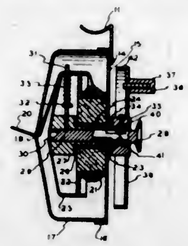
1. A stand of the type described, comprising a frame, bearings mounted on said frame for supporting a balance wheel for oscillation, a pair of rollers for gripping the free end of the hairspring associated with said balance wheel, said rollers engaging the hairspring inside and outside the outer coil, respectively, means for rotatably mounting said rollers on said frame, means for rotating one of said rollers to feed the hairspring through the rollers and shorten its effective length, a support engaged by the inside surface of the outer coil of the hairspring after it leaves said rollers, the said outer roller being positioned between the other roller and said support, spring means adapted to press the outer roller against the hairspring to bend and deform the section of the outer coil thereof which extends between the inner roller and said support, to thereby increase the radius of curvature of the outer coil when the same is fed through said rollers, and means for adjusting the position of said outer roller relative to the inner roller and said support to regulate the amount by which the radius of curvature is increased.

2,597,317
WATER KITE
Herbert L. Gross, Parkton, Md.
Original application April 26, 1949, Serial No. 89,617, now Patent No. 2,556,423, dated June 12, 1951. Divided and this application April 27, 1951, Serial No. 223,309
1 Claim. (Cl. 43—43.13)



A kite for a fishing line comprising an arcuate plate formed with three adjacent sides and edges of substantially retangular contour leading to a fourth side tapered towards a point, said plate being formed with loops at plural locations on the plate for the attachment of said fishing line, sinkers, and hook line, permitting their placement in combinations of selective character tending to tilt the plate at predetermined angles in the water through which the fishing line may be trolled and thereby control the direction of movement thereof as to depth and yaw, and said plate being bent at right angles at its pointed end to provide a guide fin thereon.

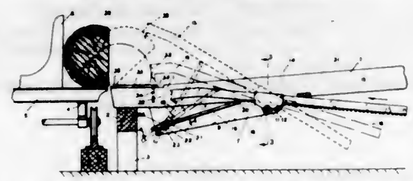
2,597,318
FLY ROD SPINNING REEL
Hugo B. Haase, Sheridan, Wyo.
Application May 20, 1950, Serial No. 163,138
4 Claims. (Cl. 242—84.5)



4. A fly rod spinning reel comprising a reel body including a stationary line receiving spool affixed thereto, said reel body having means for attaching it to a fly rod, a hollow hub extending through said reel body, a bearing interposed between said hollow hub and said reel body and stationary spool, an enlarged hub head at one end of said hollow hub, a winding drum flange fixed on one end of said hub, a line pick-up finger reciprocably extendable at on end through said

winding drum flange and its other end through said enlarged hub head, a collar secured on said pick-up finger and spaced from said enlarged hub head a distance at least equal to the distance that the end of the pick-up finger may be extended through said winding drum flange, an expansion spring about said pick-up finger biased between said collar and the inside of said winding drum flange, a reciprocal plunger extending through said hollow hub and having a beveled end cooperating with the inside end of said pick-up finger for extending said reciprocating finger against said biasing spring through said winding drum flange, a crank and brake drum, a crank hub on which said crank and brake drum is fixed, securing means extendable through said crank drum hub and said hollow hub, said reciprocable clutch plunger having a longitudinal slot into which the end of said securing means extends, the end walls of said longitudinal slot cooperating with said securing means to limit its reciprocation, whereby said plunger when extended beneath the end of said line pick-up finger causes said pick-up finger to wind a line around said stationary reel as said crank drum is rotated and permits said pick-up finger to be disengaged from the line when the plunger is retracted therefrom for casting.

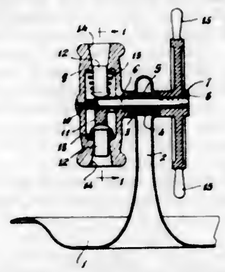
2,597,319
HOOK TYPE SAWMILL LOG TURNER
Ivan L. Hale, Central Point, Oreg.
Application June 17, 1948, Serial No. 33,509
5 Claims. (Cl. 143—103)



1. A log turner, comprising a frame, a power shaft mounted in the frame, a guide loosely mounted on the power shaft, a log turner bar mounted to reciprocate in the guide, a sleeve mounted in the frame, a link pivoted to the log turner bar at one end with its opposite end mounted to move in the sleeve, means for reciprocating the turner bar in the guide, and means for locking the sleeve and link together at different points in the length of the link to alter the movement of the free end of the turner bar when shifting a log.

2,597,320
CIGARETTE EXTINGUISHER AND EJECTOR
Max Hechtl, Brooklyn, N. Y.
Application September 27, 1948, Serial No. 51,382
1 Claim. (Cl. 131—235)

A cigarette extinguisher and ejector comprising a circular member having radial perforations in its rim portion and having a closed front portion, a horizontal shaft secured to the back side of said front portion and extending through and beyond said member, an ash tray having a bearing bracket upwardly extending therefrom, a sleeve member extended through said bracket, a bushing non-rotatably secured to said sleeve member and extending into said circular member and having said shaft rotatably extending therethrough, plugs radially movable in the perforations of said rim portion, and having widened head portions within said circular member, springs interposed between the head portions of said plugs and the rim portion of said circular member, a stationary eccentric disk secured to that extremity of said bushing which extends into



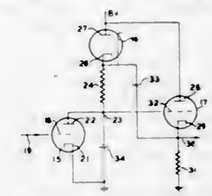
said member, said disk being in frictional engagement with the head portions of said plugs, and a hand wheel secured to the extremity of said shaft which protrudes beyond said bracket opposite said circular member.

2,597,321
AIRCRAFT APPROACH SYSTEM
Rudolf C. Hergenrother, West Newton, Mass.
Application April 5, 1949, Serial No. 85,560
5 Claims. (Cl. 177—352)



1. A visual approach system for guiding aircraft along a linear approach path to a runway including a pair of beacons disposed at opposite sides of a runway, each of said beacons being arranged and controlled to project a substantially fan-shaped beam of light forward toward the approach end of said runway, the plane of said beam being tilted upwardly from said runway to establish an approach angle of said approach path with said runway and tilted inwardly toward the runway and said other fan-shaped beam of light to intersect the plane of said other beam along a line establishing an approach path downwardly inclined towards and alined with the runway between said beacons.

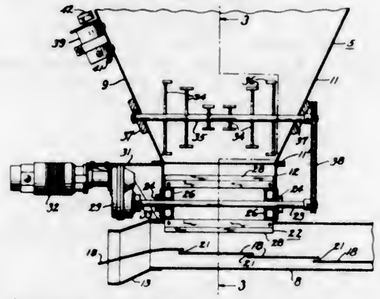
2,597,322
PULSE GENERATOR CIRCUIT
William A. Higinbotham, Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 14, 1945, Serial No. 616,377
5 Claims. (Cl. 250—27)



4. A sawtooth wave generator circuit comprising a first capacitor, a first resistor in series with

said capacitor, an electron discharge device having an anode and cathode, said cathode being connected in series with said first resistor and capacitor, a source of direct current potential for charging said capacitor connected to said anode, switching means for causing said source of potential to charge said capacitor for a predetermined interval, a vacuum tube containing at least a cathode, grid and anode, means for connecting said anode of said vacuum tube to a source of positive potential, a second resistor connected in the cathode return circuit of said vacuum tube, means for connecting the grid of said vacuum tube to the junction of said first resistor and capacitor and a second capacitor for connecting the cathode of said vacuum tube to the cathode of said electron discharge device.

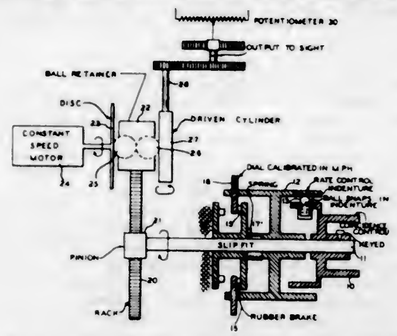
2,597,323
CROP DUSTING EQUIPMENT
Stanley Hiller, Jr., Menlo Park, and Robert A. Wagner, Playa Del Ray, Calif., assignors to Hiller Helicopters, San Mateo County, Calif., a corporation of California
Application May 1, 1950, Serial No. 159,294
4 Claims. (Cl. 43—148)



1. Aircraft crop dusting equipment comprising an upright hopper structure adapted to hold dusting material and having a bottom opening for discharge of the material, a generally horizontally extending blast tube communicating with the bottom opening of said hopper structure and which is adapted to receive a blast of air adjacent one end thereof and to discharge said material from the opposite end, and a plurality of vertically spaced generally horizontally positioned baffles in said blast tube positioned with adjacent ends in spaced overlapping relationship, said baffles spanning said bottom opening with a plurality of the spaces between adjacent ends of said baffles underneath said bottom opening.

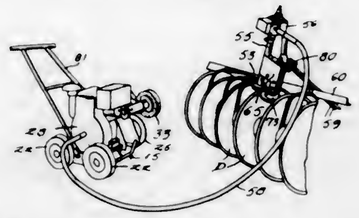
2,597,324
VARIABLE-SPEED DRIVE
Howard T. Hodges, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 3, 1945, Serial No. 586,423
4 Claims. (Cl. 74—1)

1. A variable speed drive comprising: driving means; a disc-like member connected to said driving means; means frictionally driven by said disc-like member and in turn coupled to a member to be driven, said means comprising at least one ball held in a retainer that is displaceable with respect to the center of said disc-like member; rotatable means coupled to said retainer for displacement thereof, thereby to vary the speed at which said member is driven; a first control grip keyed to said rotatable means for manual rotation thereof; a rate control grip slidingly enclosing said rotatable means and releasably braked against rotation thereby; and ball means coupling said grips and adapted to snap into an indenture within said rate control grip, whereby



said first control grip is separately rotatable when said rate control grip is braked and varies the speed of said member, said last-named ball means and indenture serving to indicate the original position of said first control grip as well as to rotate said first control grip when said rate control grip is unbraked and rotated.

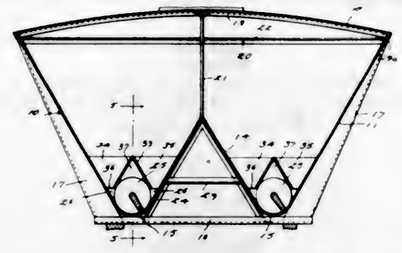
2,597,325
CULTIVATOR DISK SHARPENER
Clarence Raymond Hodges, Julesburg, Colo., assignor of one-half to Hodges Manufacturing Co., Julesburg, Colo.
Application September 25, 1950, Serial No. 186,598
5 Claims. (Cl. 51—104)



1. A sharpener for rotatably supported cultivator discs carried by a cultivator frame comprising a mobile frame, a power member on said mobile frame, a grinding wheel, means rotatably and swingably supporting said wheel on said mobile frame, a disc rotating wheel, means supporting said disc rotating wheel from the cultivator frame, a flexible driving connection between said power member and said disc rotating wheel, a pressure wheel engageable with a disc on the side thereof opposite from said disc rotating wheel, and means adjustably supporting said pressure wheel.

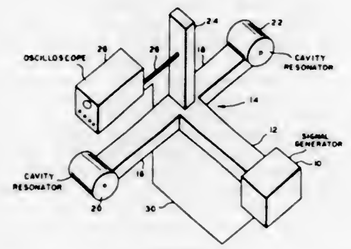
2,597,326
DELIVERY HOPPER
George Otto Hoffstetter, Jerseyville, Ill.
Application May 19, 1949, Serial No. 94,155
1 Claim. (Cl. 222—270)

A delivery hopper comprising a hopper body formed of downwardly convergent side walls, an inverted V-shaped member secured between the lower edges of said side walls and forming a pair of spaced apart conveyor channels, a screw conveyor in each channel, an inverted V-shaped shield disposed over each conveyor, the lower edges of said shield being spaced from said side walls and said V-shaped member, each of said inverted V-shaped shields being supported by a



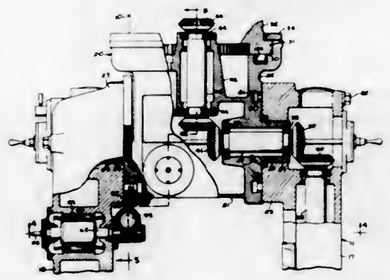
plurality of spaced pairs of inverted, truncated supporting members, each of said pairs consisting of a member fixedly and immovably connecting said shield at its adjacent hopper side wall and another member fixedly and immovably connecting said shield to its adjacent wall of said inverted V-shaped member.

2,597,327
MEASURING DEVICE
Lowell M. Hollingsworth, Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War
Application April 2, 1946, Serial No. 659,048
1 Claim. (Cl. 175—183)



A device for tuning a pair of ultra-high frequency resonators to a predetermined frequency comprising four waveguide arms of substantially the same impedance coupled together at a common junction point, a pair of said arms being aligned, the remaining pair of said arms being perpendicular to one another and to said aligned arms and being coupled respectively in series and in parallel with said aligned pair, adjustable means for introducing a frequency-variable signal into one arm of one of said remaining pairs of arms, said signal varying linearly through a predetermined frequency range, a cathode ray oscilloscope having a pair of sweep circuits for producing beam deflections along two coordinates perpendicular to one another, means coupling said signal introducing means to one of said sweep circuits for synchronizing the indications given by said oscilloscope with the frequency of said signal, said oscilloscope being calibrated to give an indication of the frequency of said signal, a detector coupled between the other arm of said remaining pair of arms and the other of said sweep circuits, a pair of ultra-high frequency resonators respectively terminating the arms of the aligned pair of arms and adapted to be tuned in a manner to present substantially the same impedances at said common junction point, and a resistance strip connected in said one arm of said remaining pair of arms to absorb energy reflected from said common junction point.

2,597,328
HEADSTOCK MOUNTING
Everett E. Hosea, Kaukauna, Wis., assignor to Kaukauna Machine Corporation, Kaukauna, Wis., a corporation of Wisconsin
Application December 4, 1947, Serial No. 789,592
4 Claims. (Cl. 90—17)



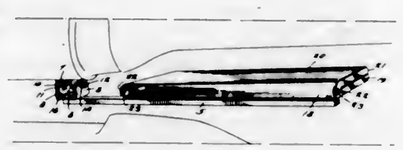
1. In a machine tool having a headstock and a support therefor including spaced side members, a fixture including a hollow generally rectangular body dimensioned to fit between said members, means on said body coacting with means on the headstock for supporting the latter for rotative adjustment, trunnions projecting from opposite sides of said body and journaled in recesses in said side members supporting said fixture for pivotal movement about an axis perpendicular to the rotative axis of the headstock, a worm gear secured to one side of said body with its axis coincident with the pivotal axis of said fixture, a shaft supported on one of said members having a worm cooperating with said gear, an electric motor mounted on said one member and having a worm and gear driving connection with said shaft, said one member being recessed to provide a chamber for completely enclosing said motor.

2,597,329
PROCESS FOR ANION EXCHANGE OF THIAMIN SALTS
Eugene E. Howe, Bound Brook, and Max Tishler, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application August 6, 1947, Serial No. 766,890
11 Claims. (Cl. 260—256.6)

1. The process of preparing a salt of vitamin B_1 which comprises reacting an aqueous solution containing another salt of vitamin B_1 with a polyamine-formaldehyde anion-exchange synthetic resin, said resin containing the same anion as the salt which it is desired to produce, whereby an anion exchange takes place between said salt of vitamin B_1 and the anion of the synthetic

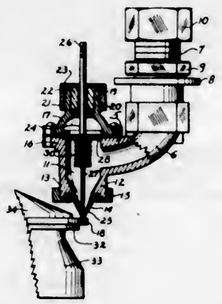
resin to produce the desired salt of vitamin B_1, separating the aqueous solution containing said vitamin B_1 salt from said resin, and recovering said vitamin B_1 salt from said solution.

2,597,330
FOLDING TRAY FOR AUTOMOBILE INSTRUMENT PANELS
Owen R. Huddleston, Miami, Okla.
Application September 22, 1950, Serial No. 186,261
1 Claim. (Cl. 311—21)



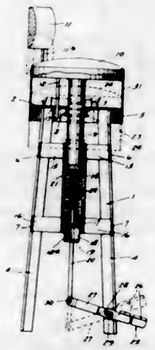
In a folding tray, a supporting arm, a bracket to which one end of said supporting arm is pivotally connected mounted under the instrument board of a motor vehicle, a stationary tray section rigidly secured to the arm adjacent to one longitudinal edge thereof, a tray section pivotally connected to the stationary section for vertical swinging movement over the stationary section, or to a horizontal supporting position in horizontal alignment with the stationary section, one edge of the pivoted tray section resting on said supporting arm when in its unfolded position, and said arm and tray adapted to swing to a concealed position under the instrument board.

2,597,331
ADJUSTABLE NOZZLE FOR COATING MACHINES
Elmer B. Hurley, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 15, 1947, Serial No. 748,207
5 Claims. (Cl. 299—133)



1. A valve device comprising a casing having a valve chamber, an inlet and an outlet therefor, said outlet forming a valve seat, a cover for the chamber, a packed slide-bearing in the cover, a transverse partition having a central opening, a resilient bellows of chemical resisting material attached to the partition around the opening, an apertured disk on the opposite end of the bellows, and a needle-valve having a tapered end in the valve seat, and having a shank adjustably held by screw-threaded engagement with the disk of the bellows and projecting through the slide-bearing, said screw-threaded engagement comprising the sole means for securing the shank to the disk.

2,597,332
STOOL
Alexander L. Janes, Jr., St. Paul, Minn.
Application November 26, 1947, Serial No. 788,208
9 Claims. (Cl. 155—1)

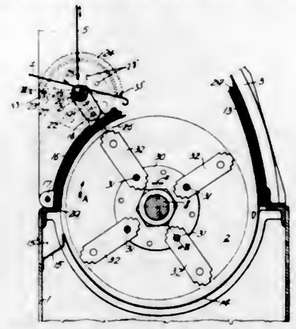


3. In a stool of the class described, a base structure, a seat overlying said base structure, a generally vertically extending tubular guide element in said base structure, a seat post on said seat longitudinally slidably mounted in said guide element, an abutment longitudinally adjustably mounted in said guide element, a compression spring in said guide element between said abutment and said seat post whereby to bias said seat in an upward direction, a treadle located adjacent the bottom of said base structure and adapted to be engaged by the feet of an occupant of said seat, means mounting said treadle on said base structure for generally upward and downward reciprocating movements with respect thereto, and a push rod extending slidably through said abutment and operatively associated with said treadle and said seat post, said treadle and push rod cooperating with said spring to impart movement to said seat in one direction.

2,597,333
HAMMER MILL WITH ADJUSTABLE GRATER
Václav Jindřich, Melnik, near Prague, Czechoslovakia
Application June 17, 1949, Serial No. 99,791
8 Claims. (Cl. 241—89)

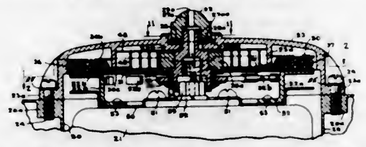
6. A hammer mill comprising, in combination, a rotor; a plurality of hammers extending from said rotor, the said hammers having outer ends for crushing the material to be milled; a frame; a substantially cylindrical casing mounted on said frame, being slightly greater in diameter than the diameter of the circle described by the outer ends of said hammers and having an inner side located in close proximity to said hammers; at least one stationary grater fixedly mounted to said inner side of said casing so as to cooperate with said outer ends of said hammers to crush

the material to be milled therebetween; at least one movable grater having two ends and being mounted on said inner side of said casing with one of said ends pivotally connected to said casing; screen means mounted on said inner side of said casing so that the milled material may fall therethrough; means for moving the other of said ends of said movable grater toward and away from said outer ends of said hammers, the said



means comprising an actuating element rotatably mounted on said frame and having a projection thereon located in close proximity to said frame; and a stop member fixedly mounted on said frame in the path of movement of said projection on said actuating element, whereby the extent of movement of said movable grater is limited by the contact between said projection and said stop member.

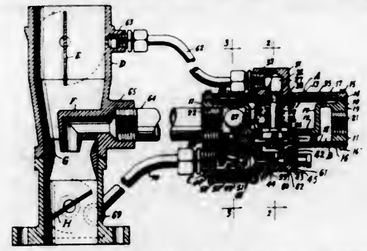
2,597,334
STARTING DEVICE FOR OUTBOARD MOTORS
Kermit F. Johnson and Albert H. Eggert, Minneapolis, Minn., assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn., a partnership
Application September 6, 1945, Serial No. 614,794
12 Claims. (Cl. 123—185)



1. A starting device for a motor having in combination, a member adapted to be rotated to start said motor and having a cylindrical wall, a rotatable rope sheave, a swingingly mounted pawl adapted to be moved into and out of engagement with said member, a plate-like wall having a recess therein forming a guideway in which said pawl is disposed and a connection between said sheave and pawl causing said pawl upon rotation of said sheave in opposite directions to be moved in said guideway by engagement of the walls of said guideway with said pawl to cause the latter to respectively engage and disengage said wall.

2,597,335
FUEL CARBURETING APPARATUS
Sam P. Jones, Dallas, Tex., assignor to J & S Carburetor Co., Dallas, Tex., a corporation of Texas
Application July 8, 1946, Serial No. 682,019
7 Claims. (Cl. 48—180)

1. The combination with a fluid fuel carbureting apparatus for internal combustion engines including; an engine intake stack with a fuel inlet and a throttle valve downstream of said inlet, a carburetor body having a fuel chamber, a conductor connecting the fuel chamber with the intake stack fuel inlet, a fuel inlet valve in the body controlling the supply of fuel to the chamber thereof, pressure responsive means in the body responsive to a suction in the conductor for operating said inlet valve in accordance with said suction, said pressure responsive means having a low pressure side upon which application of a reduced pressure will bias the fuel inlet valve toward an open position; of a fuel supply



device including; a restricted passage communicating with the low pressure side of the pressure responsive means for a zone of higher pressure; a conductor connecting the pressure responsive means with the intake stack downstream of the throttle valve; a valve connected into the last-named conductor; said valve including, a housing, a valve seat in the housing, a diaphragm adapted to engage the seat, and a spring urging the diaphragm from the seat, the seat engaging face of the diaphragm being exposed through the last-named conductor to the intake stack downstream of the throttle valve.

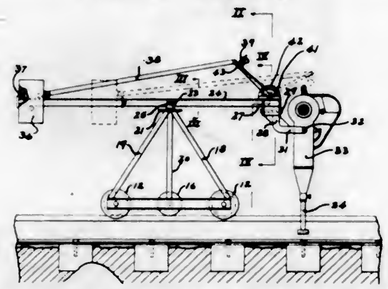
2,597,336
CERAMIC TOOL
John E. Kemper, Los Angeles, Calif.
Application June 24, 1950, Serial No. 170,137
4 Claims. (Cl. 25—105)



1. A ceramic clay working tool comprising a a relatively long cylindrical body formed with a plural number of stepped annular sections of reduced diameter terminating in shoulders disposed along a portion of the length of said cylindrical body, a longitudinally disposed bore formed in said cylindrical body having sections of different diameter whereby an annular lip is formed at the point of intersection thereof, an extensile spring in said bore seated upon said annular lip, a proddle extending through said bore including said spring, a capping integral with and overhanging the shaft of the proddle forming an abutting surface for one of the ends of said spring, a nib in detachable threaded union with the other of the ends of the proddle and in abutment with the lower end of the body of the tool, and a die having a tubular shank adapted to slidably fit upon one of certain of said stepped

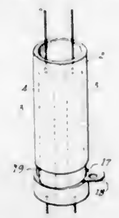
annular sections in abutment with a related shoulder and in which the cutting edge of the die forms a skirt enclosing said nib, said spring and said annular lip being resistant of moving the nib of the proddle exteriorly of the cutting edge of said die and said spring and said capping being adapted to effect retraction of the nib of the proddle within the cutting edge of said die.

2,597,337
RAILWAY TRACK TOOL
Knox Kershaw, Montgomery, Ala.
Application September 23, 1948, Serial No. 50,835
4 Claims. (Cl. 104—17)



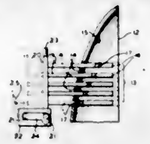
1. In a tool of the character described, a beam pivoted intermediate its ends, an impact tool disposed for reciprocation in a substantially vertical plane and suspended from one end of the beam, a counterweight slidably mounted on the other end of the beam, and means mounted adjacent the tool and operatively connected to the counterweight for shifting the counterweight toward and away from the pivot point of the beam thereby varying the force of the blows imparted by said tool.

2,597,338
RESISTANCE
Wilbur M. Kohring, Lakewood, Ohio, assignor to Wilkor Products, Inc., a corporation of Ohio
Application May 11, 1950, Serial No. 161,348
3 Claims. (Cl. 201—67)



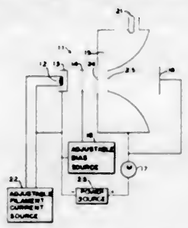
1. In resistor construction, a resistance unit having a core, frangible insulating material with end openings, a resistance element carried by said core, terminals for said resistance element held in said end openings by drive-fit contacting surface deformation, an insulating coating over said resistance element, ahd a molded on casing thereover, means for holding and protecting said resistance unit including a hollow ceramic shell and a separately formed insulating insert therein, the insert dividing off a longitudinal space for a resistance unit and at least one other similar longitudinal space, and means for protecting the surfaces of the resistance unit from abrasions including a flexible, yieldable sleeve slid thereon.

2,597,339
DIRECTIONAL ANTENNA
Harry Krutter, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 8, 1945, Serial No. 581,697
9 Claims. (Cl. 250—33.65)



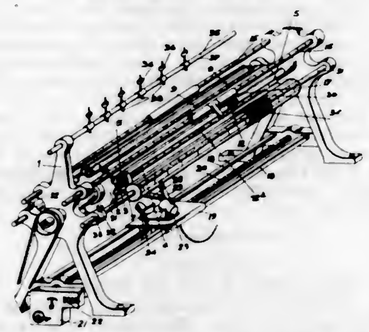
6. A directional antenna structure comprising a radiating element, a reflector having a first reflecting surface partially surrounding said radiating element and fixed relative to said radiating element, said first reflecting surface having a portion thereof cut away, said reflector having a second reflecting surface movable toward and away from said radiating element, and means located behind said first reflecting surface and extendable through said cutaway portion for moving said second reflecting surface, whereby the sharpness of the radiation pattern of said directional antenna structure varies in accordance with the position of said second reflecting surface relative to said radiating element.

2,597,340
ULTRAHIGH-FREQUENCY NOISE GENERATOR
James B. H. Kuper, Redding, Conn., and Maynard C. Waltz, Damariscotta, Maine, assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application June 23, 1945, Serial No. 601,120
5 Claims. (Cl. 315—5)



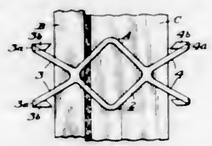
1. A source of spurious oscillations in the ultra-high frequency band for use in connection with a source of heater power, a plate voltage source, and a bias source: said source of spurious oscillations comprising a velocity-modulated tube having a heater, a cathode, a control grid, a cavity resonator, a reflector type element, and an output coupling, said heater being connected to be energized by said heater source, said cathode together with one terminal of said heater being connected to the negative terminal of said plate voltage source, said control grid being connected to said bias source, said reflector and cavity resonator being tied together and connected to a positive terminal of said plate voltage source, whereby a bias for said tube is obtained at a point below that necessary for continuous oscillation, reflection of electrons from said reflector is prevented, said tube is operated as a diode and there is made available at said output coupling a noise signal at substantially the resonant frequency of said cavity resonator.

2,597,341
COMBINATION TIMING AND COMPUTING APPARATUS
Nourhan Kutchukian, Bois-Colombes, France
Application August 28, 1946, Serial No. 693,602
In France September 1, 1945
19 Claims. (Cl. 161—1)



1. In a machine for checking the progress of work, for controlling and organizing work, said work being made either by a workman, or a workshop or a plurality of workshops, in combination, a control member, a plurality of parallel scale assemblies carried by said control member for constituting a plan of work for a predetermined period, each one of said assemblies being allocated to a controlled work and comprising scales fixed with reference to said control member and scales movable with reference to said fixed scales in the longitudinal direction of said parallel scales to allow the adjustment of their graduation, signs representative of work respectively placed by an operator in relation to said assemblies, movable means for detecting said signs, means for displacing said movable means adjacent said control member according to a movement proportional to time, signaling devices placed at a distance from the machine, means for transmitting to said signaling devices indications of the presence of a sign when detected by said movable means, and means for returning said movable means to its initial position at the end of said period.

2,597,342
COMPRESSIBLE FASTENER
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application June 16, 1945, Serial No. 599,817
5 Claims. (Cl. 85—49)



2. A fastener comprising a loop of generally parallelogram form with one of its diagonals transverse to the longitudinal axis of the fastener, and a pair of divergent arms attached to each of the two opposite corners of the parallelogram that are on the said longitudinal axis, said arms having downwardly and inwardly turned hook portions at the ends thereof.

2,597,343
CONNECTED STRIP OF FASTENER UNITS
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application December 21, 1945, Serial No. 636,467
11 Claims. (Cl. 85—17)



1. A strip of connected tack forming blanks comprising a length of narrow strip metal having one edge transversely and longitudinally slit in a manner to provide a succession of spike elements parallel with the axis of the ribbon, the transverse portions of the slits shaping the points of the spikes, the longitudinal portion shaping one edge of the spike, the other portion of the strip parallel with the spikes being substantially continuous, the continuous portion of the strip being slitted and expanded to form a succession of open loops therein, the transverse centers of the loops being longitudinally intermediate the leg forming portions.

2,597,344
DRIVEN FASTENER AND METHOD OF MAKING THE SAME
Joseph C. Lang, Pittsburgh, Pa., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware
Application January 30, 1948, Serial No. 5,465
10 Claims. (Cl. 85—37)

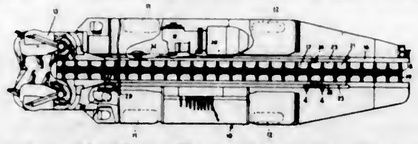


1. A fastener of the class described having a stem made up of a plurality of metal parts folded upon one another and terminating at one end in a driving point with all of the parts of the point compacted and permanently secured together, a plurality of side bars permanently connected to the stem at the point portion only and extending upwardly along the stem and terminating below the other end thereof, the unattached portion of the side bars being movable relatively to the stem, the upper ends of the side bars being offset laterally into a head-forming portion which limits the depth to which the fastener may be driven, the stem projecting beyond the upper ends of the side bars and being creased from the point to its end to make the stem more resistant to bending than the side bars under the impacts of being driven.

2,597,345
UNDERGROUND LOADING MACHINE, INCLUDING A FLEXIBLE TROUGH
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application June 17, 1947, Serial No. 755,162. Divided and this application March 16, 1949, Serial No. 81,794
4 Claims. (Cl. 198—8)

1. A loading machine including a main frame, a gathering head at the front of said main frame,

a boom telescoping with said main frame and supporting said gathering head, a first trough in said main frame, a second trough attached to said gathering head including a bottom and generally upwardly extending side wall members overlapping and sliding in said first trough, endless conveyer mechanism extending along said troughs for conveying material rearwardly therethrough, track means carried by said main frame overlapping the side walls of said second



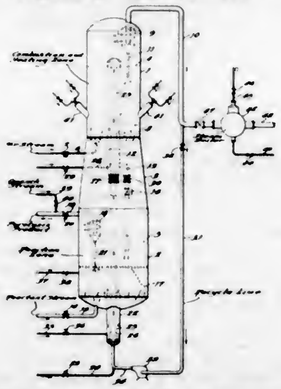
trough, said side wall members of said second trough being notched adjacent the rear end thereof whereby its rear portion may flex with respect to its forward portion, plate means carried by the side wall members of said second trough covering said notches for preventing the loss of material therethrough, and shoe means carried by the rear portions of the side wall members of the rear portion of said second trough engaging said track means for holding down said rear portion of said second trough.

2,597,346

METHOD FOR EFFECTING THE CONVERSION OF ORGANIC REACTANT STREAMS

Frederick W. Leffer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 29, 1948, Serial No. 57,373
9 Claims. (Cl. 260—683)



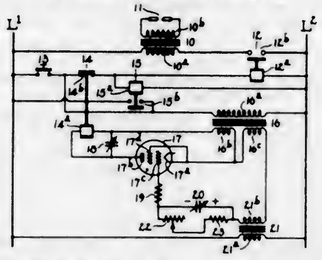
1. A continuous method for converting an organic reactant stream comprising, maintaining a downwardly moving bed of heat retentive solid particles in each of a reaction zone and a superimposed heating zone, passing said organic reactant stream upwardly at conversion temperature through the bed in said reaction zone, removing a stream of fluid conversion products from the upper portion of the reaction zone and continuously withdrawing contacted solid particles from the lower portion thereof, commingling solid particles thus withdrawn with a gas stream comprising hot combustion gases obtained as hereinafter set forth, passing the resultant suspension upwardly in a confined straight line path extending through the reaction zone and the bed therein and through substantially the height of the bed in said heating zone and maintained in heat exchange with both of said beds, discharging the solid particles from said suspension onto the top portion of the bed in said heating zone, continuously passing a free oxygen-containing gas upwardly through the bed in said heating zone and burning carbonaceous material therein, passing a stream of the resultant heated solid particles downwardly from the lower portion of said heating zone at a temperature above said conversion temperature to the upper portion of the bed in said reaction zone, discharging hot combustion gases upwardly from the descending bed and said confined straight line path in the upper portion of said heating zone, and therefrom supplying a stream of said hot combustion gases at substantially their temperature of discharge from the heating zone to said withdrawn contacted particles entering said confined straight line path.

2,597,347

TIME-DELAY RELAY SYSTEM

Robert M. Lommen, Lombard, Ill., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Continuation of application Serial No. 629,051, November 16, 1945. This application February 15, 1951, Serial No. 211,116
8 Claims. (Cl. 175—320)



1. In combination, an electric supply circuit, means to be supplied with a current impulse derived from said supply circuit, an electron tube having an auxiliary electrode for control, a condenser in circuit with said auxiliary electrode and the cathode of said tube and having a regulable discharge path, continuously acting means for subjecting said condenser to a charge by power derived from said supply circuit which condenser charge energizes said auxiliary electrode to a degree blocking conduction of said tube, normally inactive means which when energized with electrical power affords neutralization of the condenser charging action of said continuously acting means and affords a supply of power through the main conducting path of said tube, means for initiating flow of current from said supply circuit to said first mentioned means and said normally inactive means, and means responsive to power conduction of said tube for interrupting the flow of current to said first mentioned means.

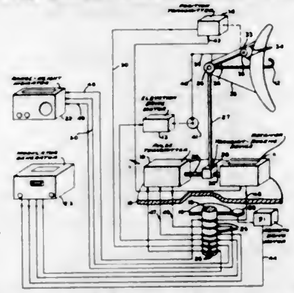
2,597,348

RANGE HEIGHT INDICATOR

Andrew Longacre, Exeter, N. H., and Ernest C. Pollard, Belmont, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War

Application April 18, 1945, Serial No. 588,995
3 Claims. (Cl. 343—11)

1. A radio system for locating targets in space, comprising means for transmitting a directional beam of radio frequency energy pulses, means for receiving reflected energy of said directional beam from targets intercepted thereby, means for angularly rotating said directional beam relative to a given direction, a cathode ray indicator having a screen and an electron beam, means for initiating the generation of first and second saw-tooth voltages in synchronism with the transmission of each of said pulses, said first saw-tooth voltage having a constant amplitude means for rendering the amplitude of said second saw-tooth voltage proportional to the sine of the angle



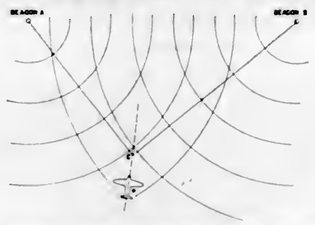
of said directional beam relative to said given direction, means for deflecting said electron beam along a first rectangular coordinate in accordance with said first saw-tooth voltage, means for deflecting said electron beam along a second rectangular coordinate in accordance with said second saw-tooth voltage, and means for controlling the intensity of said electron beam in accordance with said received reflected energy, whereby spots indicative of said targets are displayed on said screen and the position of said spots on said screen corresponds to the position of said targets in space.

2,597,349

RADIO NAVIGATIONAL DEVICE

Conrad L. Longmire, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application October 19, 1945, Serial No. 623,404
9 Claims. (Cl. 343—107)



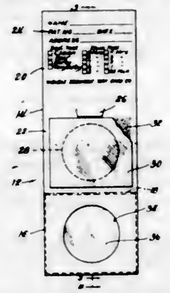
1. A system of navigating a craft toward a given target comprising a pair of fixed responding beacons, the distances of which with respect to said target have been predetermined, means for interrogating each of said pairs of responding beacons from said craft, means for delaying the operative response of the beacon nearer to the target to the interrogation from said craft, the delay of the response corresponding to the difference in respective distances of said two beacons to said target, comparing means for obtaining at said craft a differential of the response times of said two beacons to said interrogation as an indication of the relative distances of the craft from each beacon, whereby the error in the course of said craft may be determined.

2,597,350

SEDIMENT TEST CARD

Junious Guy Lucas, Madrid, Iowa

Application October 24, 1947, Serial No. 781,887
4 Claims. (Cl. 73—61)



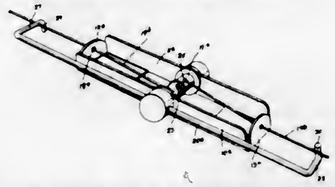
1. A sediment test card comprising, a main section and a second section lying in a common plane, said main section having an opening therethrough, a filter element positioned over said opening and secured to and carried by said main section, said card, with said filter element carried thereon, being adapted for positioning in operating means for flowing liquid through said opening and through said filter element and depositing sediment from the liquid on said filter element, said second section having a sight opening therethrough, and a sheet of transparent material covering said sight opening and secured to said second section, said second section being foldable over and against said main section on the side thereof on which the sediment is deposited, to a position wherein said openings are in substantial register with each other, and the sediment on said filter element can be viewed through said sight opening and through said transparent material, and whereby said transparent material covers and confines the sediment and prevents its dislodgement in further usage of the card.

2,597,351

CLOTHESLINE CONNECTOR AND TIGHTENER

Douglas Malcolm MacKenzie, Toronto, Ontario, Canada

Application April 6, 1949, Serial No. 85,817
In Canada April 15, 1948
2 Claims. (Cl. 24—71.2)



2. A line connector and tightener which comprises a frame having spaced side walls, a rotatable shaft extending transversely between and supported by said side walls with at least one end extending exterior of the frame, said shaft having at least one opening adapted to receive an end of a line connected thereto and positioned between said walls, an opening through the end of the shaft adapted to receive an operating handle member, an operating handle member for rotating said shaft extended through and rotatable

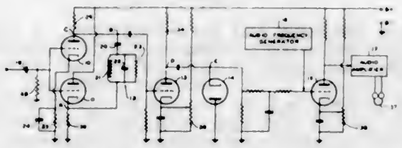
in said last mentioned opening, the main portion of said handle member normally lying, in non-operative position, parallel to and extending beyond the ends of said frame, the ends of said handle member being turned at right angles to extend generally parallel to the ends of the frame to overlie and underlie a line extending to said shaft, the free ends of said handle member having projections thereon for engagement with the adjacent line.

2,597,352

DECODING DEVICE

Edward F. MacNichol, Jr., Wenham, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application October 10, 1944, Serial No. 558,050
7 Claims. (Cl. 250—27)



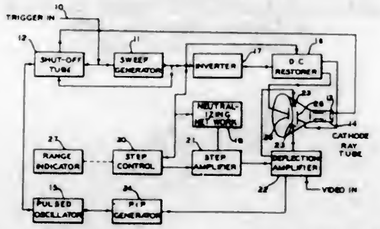
1. The method of decoding pulses appearing in pairs, the repetition time interval between pairs being fixed, but the interval between pulses within the pair being variable, comprising the steps of first generating at least a complete cycle of sinusoidal voltage upon the advent of the first pulse of each pair and simultaneously preventing said first pulse from being superimposed upon said sinusoidal voltage, superimposing the second pulse of each pair upon said sinusoidal voltage and producing an indication when the second pulse is so spaced from the first pulse as to be superimposed over the positive peak of the sinusoidal voltage.

2,597,353

SWEEP AND RANGE CIRCUIT

Edward F. MacNichol, Jr., Wenham, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application March 22, 1945, Serial No. 584,230
4 Claims. (Cl. 250—27)



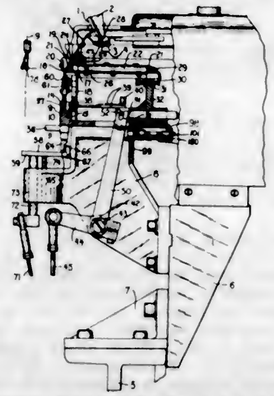
4. A signal generator circuit for producing a plurality of wave forms occurring in a fixed time relationship with a synchronizing pulse, said circuit comprising a means for introducing a synchronizing pulse, a trapezoidal generator means responsive to said synchronizing pulse, an amplifier means, a cathode follower means, means for applying at least a portion of the output of said trapezoidal generator means to said amplifier means and said cathode follower means, means for applying at least a portion of the output of said amplifier means to said trapezoidal generator means, and means for applying at least a portion of the output of said cathode follower means to said trapezoidal generator means.

2,597,354

FILAMENT TRANSFER AND MOUNTING APPARATUS FOR LAMP STEMS

Henry B. Maloney, Lynn, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application January 31, 1947, Serial No. 725,417
7 Claims. (Cl. 140—71.6)



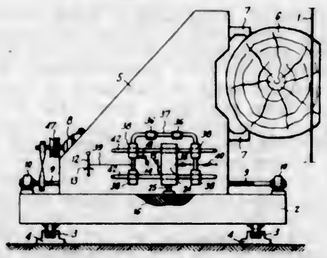
1. In a lamp stem fabricating apparatus having means to hold a stem with its lead wires thereon upon a working axis, a mechanism for forming and mounting the filament upon the lead wires comprising a supporting frame, a trough-like receptacle in which a filament is received, a gate at the bottom of the trough, a carrier below said trough slidable on said frame into receiving and delivering positions, means to open said gate when the carrier is in receiving position thereby to drop a filament onto said carrier, means on the carrier to grip and form the filament into substantially U-shaped form, means to move the carrier into delivering position with the filament ends adjacent said lead wires and means to secure the filament to the lead wires.

2,597,355

SETWORK FOR REGULATING THE THICKNESS OF THE BOARDS CUT OFF IN RECIPROCATING-CARRIAGE SAWMILLS

Rodolphe Masuy, Signy-le-Petit, France

Application March 22, 1950, Serial No. 151,235
In France April 15, 1949
12 Claims. (Cl. 143—120)



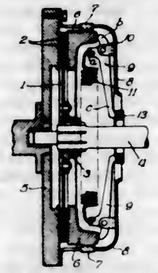
1. In a sawing machine, the combination of a saw blade, a carriage adapted to move in front of said saw blade, a log carrier slidingly carried by said carriage and adapted to move over same in a direction perpendicular to the line of action of the saw blade, an electric motor controlling the movement of the log carrier over the carriage, a circuit feeding the motor, a contact-piece rigid with the log carrier, a cooperating contact-piece slidingly carried by the log carrier, along a line parallel to the line of travel of the latter over the carriage, passing through the first contact-piece, means whereby the second contact-piece is held stationary with reference to the carriage during the operative progression of the log carrier, an auxiliary circuit closed through the meeting of said contact pieces for a predetermined position of the log carrier with reference to the carriage and a relay in the auxiliary circuit adapted to deenergize the motor circuit when energized.

2,597,356

DISK CLUTCH

Jean Maurice, Ablon, France, assignor to Societe Anonyme Francaise Du "Ferodo," a company of France

Application August 6, 1947, Serial No. 766,627
In France February 20, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1960
8 Claims. (Cl. 192—68)



1. A disk clutch comprising a disk provided with friction facings, a pressure plate having a contact face and having a circumferential portion projecting laterally therefrom at the opposite side thereof to provide a pocket, and springs lying in close proximity to and acting on said pressure plate, said springs being arranged in a plane at right angles to the clutch axis within said pocket of said pressure plate in order to permit flexibility of the springs to be increased without increasing the space requirement longitudinally of the clutch, the load of said springs being transmitted to the pressure plate through the medium of single piece pivotable levers, said springs normally maintaining pressure of said pressure plate against said disk.

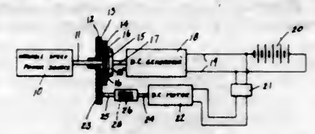
2,597,357

GENERATOR SPEED CONTROL

Hamilton L. McCormick, Carmel, Ind., assignor to Fletcher Trust Company, trustee, Indianapolis, Ind., a corporation

Substituted for application Serial No. 600,514, June 20, 1945. This application October 7, 1949, Serial No. 120,109
3 Claims. (Cl. 322—28)

1. In a generator speed control including a power source, a direct current generator driven thereby subject to variations in speed and a variable speed planetary transmission gearing through which said generator is driven by said power source, said transmission including a gear operable to control the speed at which said generator is driven by said power source, the combination therewith of a direct current torque transmitting motor connected with the voltage output line of said generator, a driving pinion in meshing engagement with said gear and an anti-back-drive coupling arranged to enable the pinion to be driven by said motor while preventing counterdrive of said pinion by said gear.

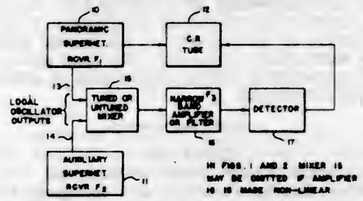


2,597,358

PANORAMIC RECEIVER

Gordon P. McCouch, Boonton, N. J., and Donald K. Reynolds, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War

Application February 18, 1946, Serial No. 648,541
18 Claims. (Cl. 250—20)



18. A panoramic receiving system for a band of frequencies, including a panoramic superheterodyne receiver for said band of frequencies, a cathode ray tube electrically connected to the output of said panoramic receiver, an auxiliary superheterodyne receiver tunable over the said band of frequencies, the intermediate frequencies of said receivers being unequal, a non-linear circuit means electrically connected to the outputs of the local oscillators of said receivers for deriving a beat frequency signal from said outputs having a frequency equal to the difference between the frequencies of said oscillators, detecting means for rectifying the output of said non-linear circuit means, and means for electrically coupling the output of said detecting means to said cathode ray tube.

2,597,359

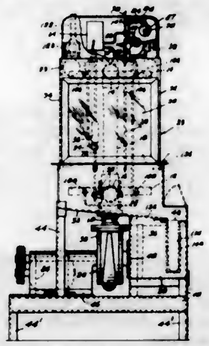
DISHWASHING APPARATUS

John J. McDonald, Newton, and Stephen D. Klyce, Lexington, Mass., assignors to The McDonald Company, Boston, Mass., a corporation of Massachusetts

Application February 19, 1947, Serial No. 729,468
7 Claims. (Cl. 134—57)

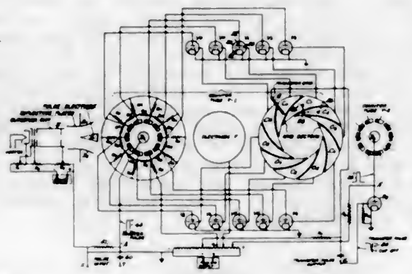
1. In a dish-washing apparatus, upper and lower wash water spray conduits substantially oppositely disposed in spaced horizontal planes, the upper spray conduits having spray outlets opening toward the lower spray conduits and the lower spray conduits having spray outlets opening toward the upper spray conduits, whereby both the upper and lower sprays are directed across substantially the same region but in generally opposite directions, a pump having conduit connection to the said spray conduits for

delivering wash water to said spray conduits, flow control means in said connection movable to one position in which the pump output is directed only to the upper spray conduits and movable to another position in which the pump output is directed only to the lower spray conduits, means for driving said pump, and mech-



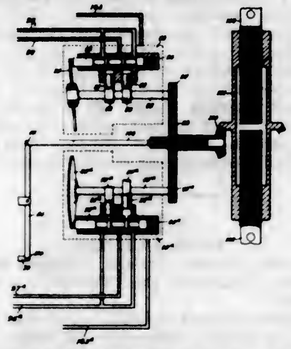
anism responsive to operation of said pump driving means for quickly shifting said flow control means intermittently between its two said positions, thereby to maintain substantially continuous sprays of wash water at full pump pressure across said region but with the said sprays directed across said region alternately in generally opposite directions.

2,597,360
ELECTRON RATCHET TUBE
Robert J. Moon, Chicago, Ill., assignor to the United States of America as represented by the Secretary of War
Application November 17, 1944, Serial No. 563,935
12 Claims. (Cl. 235—92)



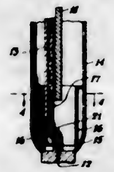
6. In a counting device, an electron gun for projecting a beam of electrons initially along a given axis, a series of n equally spaced deflecting plates concentric with the axis and a short distance from the end of the gun in the direction away therefrom, a series of n spiral shaped overlapping grid sectors concentric with said axis and located farther from the gun than said deflecting plates, said spiral grid sectors extending at an acute angle to a radius from said axis to said grid, electrode means adapted to be energized by the pulses to be counted for changing the radial angle of the electron beam emerging from said gun whereby said beam is shifted radially from one spiral grid sector to another, and means connected to said grids and respective deflecting plates for holding the electron beam on any grid sector intercepting said beam.

2,597,361
HYDRAULIC SERVOMOTOR AND THE LIKE
Lawrence Farnell Mott, Walton, Stone, England, assignor to H. M. Hobson Limited, London, England, a company of Great Britain
Application May 27, 1950, Serial No. 164,759
In Great Britain June 2, 1949
8 Claims. (Cl. 60—97)



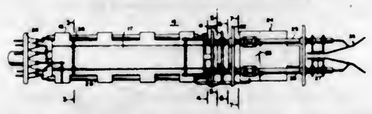
1. The combination, with a manually operable input member and an output member, of a pair of hydraulic actuators coupled to said output member, each of said actuators comprising a control device linked to the input member and movable by said input member in opposite directions to effect through the agency of the actuator movement of said output member in a direction and to an extent determined by the movement imparted to the input member, a collapsible member linked to the input member and arranged to collapse, on seizure of the control device, as the result of abnormal manual effort applied to the input member, means responsive to collapse of said collapsible member for rendering the actuator ineffective to prevent continued actuation of the output member by the other actuator under control of the input member, and means operative on collapse of the collapsible member associated with either actuator to lock against collapse the collapsible member associated with the other actuator.

2,597,362
THERMOMETER
Fritz Henry Mumberg, Philadelphia, Pa.
Application July 8, 1949, Serial No. 103,569
2 Claims. (Cl. 73—371)



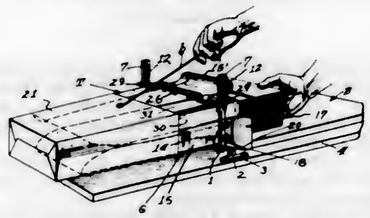
1. In a differential thermometer having a single continuous capillary tube made up of a relatively fine capillary section and a relatively wide capillary section and encased in an outer tube, the combination of a thick stem having a capillary passage through its center and supporting said capillary tube and said encasing tube, a joint between said stem and said encasing tube, a thin walled hollow cylindrical metal saddle removably positioned at the lower end of said encasing tube encircling said inner continuous tube and seated in the vicinity of said joint, a circumferential radial flange extending radially at the upper edge of said hollow cylindrical saddle abutting the inner wall surface of said outer encasing tube, diametric vertical slots extending downward at the upper edge of said hollow cylindrical saddle and a removable elongated thin chart member carrying a set of scale gradations for said wide capillary section and a separate set of scale gradations for said fine capillary section positioned and supported vertically in said vertical slots immediately adjacent said capillary tube substantially throughout the entire length thereof.

2,597,363
CATHODE-RAY STORAGE TUBE
Walter E. Mutter, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 29, 1951, Serial No. 234,383
12 Claims. (Cl. 313—75)



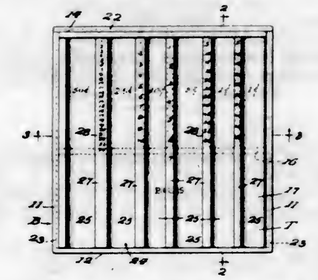
1. In a cathode-ray tube having a source of an electron beam and a fluorescent screen, beam-shaping means axially disposed between said source and said screen, comprising in succession: a first electrode having first and second apertures; a second electrode having a third aperture; and a third electrode having a fourth aperture; the axial spacing between said third aperture and said screen closely approximating 2.67 times the axial spacing between said first and third apertures.

2,597,364
BAG-FILLING DEVICE
Ralph W. E. Nash, Nashua, N. H.
Application January 21, 1948, Serial No. 3,446
3 Claims. (Cl. 226—18)



1. In a loading device for bags and the like, a flat elongated base, a feed board superimposed on said base and extending inwardly from an end thereof a distance approximately one-half of the length of the base, two overlying elongated units positioned above said base beyond the inner end of said feed board means for supporting the bottom unit in a substantially fixed position from adjacent the inner end of said feed board and in slightly spaced relation with respect to the surface of the underlying portion of the base, the top surfaces of said feed board and said bottom unit lying in a common plane, means adjacent the front end for supporting the same for swinging movement toward or from the bottom unit, each of the units comprising a flat member and side walls freely slidable relative thereto to permit the unit to expand or retract laterally said walls of one unit overlapping the side walls of the other unit, the bottom unit embodying the central member comprising two registered overlying plates, side walls, inwardly disposed flanges carried by the lower marginal portions of the side walls and extending freely between the plates of the central member, and means for hingedly mounting the side walls at the front ends thereof for swinging movement toward or from the central member.

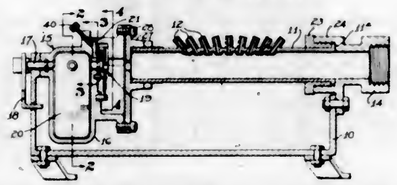
2,597,365
CHANGE CONTAINER
Thomas Newman, Anderson, Ind.
Application October 25, 1948, Serial No. 56,338
3 Claims. (Cl. 206—81)



1. A portable change assemblage for cashier and/or checker service comprising a rectangular body portion having a bottom, opposing side walls and a front wall, said side walls each having an internal mortised groove from front to rear in the wall upper zone with said walls having a vertical dimension between the mortise and the bottom sufficient to receive current coins of maximum dimensions, said body portion having a plurality of parallel partitions extending from front to rear to form a plurality of parallel compartments with the width dimension of a compartment sufficient to receive coins of a particular denomination, the respective compartment widths varying to accord with coins of different denominations, said body portion also having at its rear a narrow strip member connecting opposite side walls with the top of the strip below and in the vicinity of the bottom plane of the side mortises, said strip being mortised longitudinally on its bottom face to cooperate with a similar mortise formed on the bottom upper face in forming sliding ways for a rear closure for the body portion positionable over the rear open ends of the several compartments, a slidable cover for service as such rear closure, said body portion also having a partition extending transversely through the mid-length zone of the compartments to thereby divide the compartments into front and rear divisions, with the front division adapted to receive denominations of paper currency and with the rear divisions serving as reserve coin carriers, and a change-carrying cover slidably mounted in said side wall mortises in overlying relation to the body portion compartments, said cover having a material thickness and having its top face extending on a plane above and parallel with the top plane of the front and side walls, said cover top face being formed with parallel grooves extending from front to rear of the face with the respective groove cross-sections each conforming to the contour of an arcuate zone of a coin of a par-

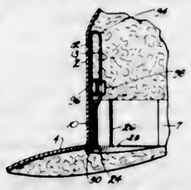
ticular denomination and with the respective groove cross-sections varying to accord with coins of different denominations, the depth of a groove positioning its lowest point of the groove below such top plane of the front and side walls to thereby place the front wall as a stop to limit the forward position of the cover and its content, said cover having an upstanding flange in its rear zone active as an abutment at the rear ends of the grooves, whereby the assemblage is serviceable for change making with the cover in closed position, the cover being slidable rearwardly to expose the front compartmental division for the deposit of and exchange of paper currency and with the rear closure slidable to permit transfer of reserve coins from the body portion rear compartmental division to respective grooves to replenish depleted coin stocks of the cover grooves.

2,597,366
LAWN SPRINKLER
Norris Nordenstam, Riverside, Calif.
Application April 26, 1948, Serial No. 23,249
3 Claims. (Cl. 299—66)



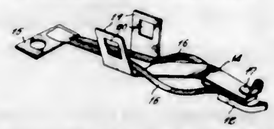
1. A sprinkler comprising a base member; a conduit cradled in said base and having a water inlet opening at one end thereof; said conduit having a plurality of sprinkling jets extending therefrom; a water motor in communication with the other end of said conduit whereby the full pressure of water entering said water inlet is effective to force water through said jets; said water motor including a pivotally mounted diaphragm and a casing; said diaphragm being locked to said base and said casing being coupled to the other end of said conduit to oscillate said conduit.

2,597,367
VENTILATING ATTACHMENT FOR THE SWEATBANDS OF HATS OR CAPS
John A. Nyman, Juneau, Territory of Alaska
Application October 27, 1947, Serial No. 782,436
2 Claims. (Cl. 2—182)



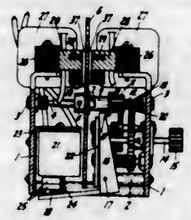
1. The combination with a hat and its sweat band of an arcuate shaped front plate member positioned between the crown of the hat and the sweat band at the front of said hat, a U-shaped extension of flexible material, the end of one portion of said extension being integral with the front plate member at the central point of the upper edge thereof, a rear plate member of similar configuration to said front plate member, said rear plate including a forwardly extending flange along its lower edge, the other portion of said extension being integral at its end with the upper edge of the rear plate member at the central point thereof, cooperating fastening means on said extension adjacent the plate members and coacting with each other to hold together the two portions of the extension so that the base of the front plate member is held in upright position between the sweat band and the crown of the hat and the rear plate member lies against the outer side of the sweat band and the forwardly extending curved flange extends under the lower edge of the sweat band when the two portions of the extension are held together by said fastening means.

2,597,368
SWITCHING MEMBER FOR CIRCUIT BREAKERS
Robert G. Page, New Britain, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application May 11, 1950, Serial No. 161,295
3 Claims. (Cl. 200—166)



1. In a circuit breaker, a switching unit comprising a terminal member, a rocker shaft, a movable switch member carried thereby, said member including an elongated spring arm, a contact riveted to one end of the arm, spaced perforated mounting ears formed integrally on the other end of the arm extending at right angles to the plane of the body of the arm and encircling said shaft and being biased to normally slidably grip the shaft for adjustment therealong, the perforations of said ears being spaced outwardly of the body of the arm to provide a passage between the shaft and the body of the arm, and a flexible conductor extending along the arm and through said passage, said conductor being looped around the rivet connecting the contact and arm and having its ends connected to the terminal member.

2,597,369
ALTERNATING CURRENT SYNCHRONOUS INDUCTION DISK MOTOR WITH MEANS FOR ELIMINATING BACKLASH AND OVERRUN OF GEAR TRAINS ASSOCIATED WITH ELECTRIC MOTORS
Frank Arthur Pearson, Moline, Ill., assignor to Eagle Signal Corporation, Moline, Ill., a corporation of Massachusetts
Application August 18, 1947, Serial No. 769,091
10 Claims. (Cl. 192—142)



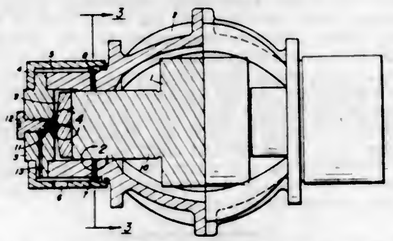
1. Controlling means for the driving connection between a driving motor and a driven unit;

comprising a supporting framework, a shaft supported thereby and extending outwardly therefrom, said shaft carrying a pinion for connection to the gear train of the driven unit to cause operation thereof, a driving shaft, a gear train connecting the second mentioned shaft in driving relation with the first mentioned shaft, the second shaft having a clutch part fixedly connected thereto and a second clutch part on the said second shaft and cooperating with the first clutch part in driving the gear train from the second shaft, a flange extending radially outwardly from the slidable clutch part, an arm pivotally connected adjacent one of its ends to a fixed part of the framework and having its second end in position to engage said flange, when the arm turns about its pivot, and cause sliding of the clutch part along the shaft to cause disengagement of the clutch, a projection on the end of the arm engaging the flange, said flange having at least one notch in its edge to be engaged by said projection whereby to insure stoppage of the gear train in a minimum of time, and electromagnet means for turning said arm about its pivot to cause opening of the clutch and holding the gear train against motion.

2,597,370
CEMENT LINING FOR METAL PIPE
Arnold L. Peckman, McKeesport, Pa., assignor to United States Steel Company, a corporation of New Jersey
No Drawing. Application April 2, 1948, Serial No. 18,728
2 Claims. (Cl. 106—97)

2. A low-soluble cement for lining steel pipe having a composition consisting of 48.00% to 49.50% by weight blast furnace slag, 33.00% to 34.00% by weight Portland cement, 16.00% to 17.00% by weight river sand, and 1.40% to 1.70% by weight gypsum.

2,597,371
DOUBLE-ENDED JOURNAL AIR BEARING
Gerald S. Perkins, Altadena, and Paul R. Vogt and Robert R. Weber, Los Angeles, Calif., assignors to North American Aviation, Inc.
Application March 27, 1950, Serial No. 152,034
6 Claims. (Cl. 308—9)

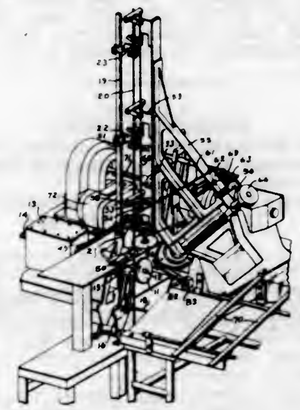


1. A pneumatic bearing for supporting a mass for a single degree of angular freedom comprising a rigid elongated unitary housing having a cylindrical journal bearing in either end thereof, a cylindrical journal shaft attached rigidly to either end of said mass and adapted to fit intimately within said journal bearings, two circular pads pivotable with respect to said housing and adapted to fit against the ends of said shaft, means for supplying air under pressure to the space between said pads and the ends of said shaft, and means for supplying air under pressure to the space between said journal bearings and said shaft to thereby support said mass in said journal bearings and on said pads for a single degree of angular freedom.

2,597,372
PRODUCTION OF ALKYLCYCLOPENTANE HYDROCARBONS AND BENZENOID HYDROCARBONS
Herman Pines and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 30, 1947, Serial No. 794,772
8 Claims. (Cl. 260—666)

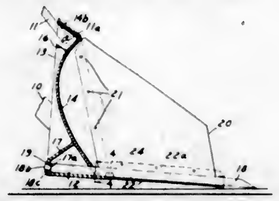
1. A process for producing alkylcyclopentane hydrocarbons and benzenoid hydrocarbons which comprises reacting a cyclohexane hydrocarbon and a bicycloalkane hydrocarbon having a ring of 5-carbon atoms and another ring of 6-carbon atoms at a temperature of from about 200° C. to about 450° C. in the presence of a dehydrogenation catalyst and at a pressure of from about atmospheric to about 40 atmospheres.

2,597,373
GLASS SEVERING APPARATUS
Leander N. Pond and Norman Max Wisner, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 16, 1949, Serial No. 81,672
8 Claims. (Cl. 49—48)



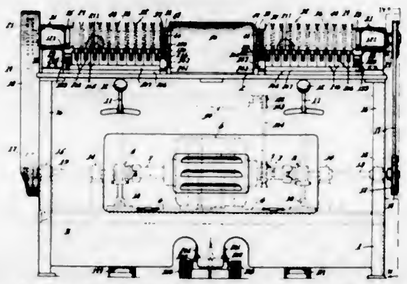
1. In an apparatus for severing a linear body of glass into sections of predetermined length as such body passes toward a delivery position, an abrader arranged along the path of travel of the body, means for operating said abrader at predetermined intervals to abrade the body along the desired lines of severance, a chuck, means for conveying said chuck about an endless path passively bringing it across that portion of the path of movement of the body between the abrader and delivery position immediately after an abrading operation, and means for closing said chuck about the body so that as the travel of the chuck continues, that portion of the body between the abrader and delivery position is fractured where abraded and carried away by said conveying means.

2,597,374
MATERIAL HANDLING DEVICE
Clarence B. Richey, Royal Oak, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application September 8, 1949, Serial No. 114,645
5 Claims. (Cl. 214—145)



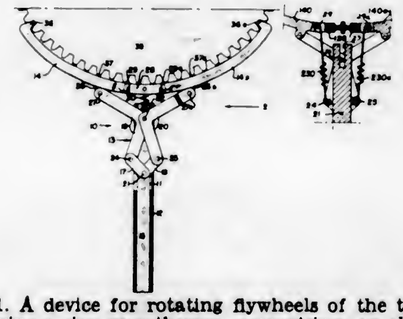
1. A material handling device comprising plate-like elements secured together to define a bottom wall and an upstanding back wall, a reinforcing plate rigidly secured between said back wall and said bottom wall and having connection with said bottom wall in spaced relation to the connection of said back wall with said bottom wall, said back wall and said reinforcing plate having a plurality of transversely spaced, aligned apertures therein, the apertures in said back wall being of substantially different area than the respectively aligned apertures in said reinforcing plate, and a rod-like tine inserted through each aligned pair of said apertures, each of said tines being proportioned to snugly engage said apertures and having a shoulder defining the juncture between the larger and smaller area portions thereof, thereby limiting displacement of said tines relative to said device in one direction, and detachable fastening means engageable with said tines to limit displacement of said tines in the opposite direction.

2,597,375
WINDING MACHINE
Lloyd R. Rinehart, Dixon, Ill., assignor, by mesne assignments, to National-Standard Company, a corporation of Michigan
Application February 19, 1946, Serial No. 648,728
11 Claims. (Cl. 242—25)



1. An indexing mechanism for a machine for winding a single line sequentially onto a plurality of cores comprising a rotary core support, means for rotating said rotary core support and cores thereon, means for starting and stopping the rotation of said support and cores, a supply of line for winding line on one core at a time on said rotary core support, said indexing mechanism comprising an index slide block, a line guide pivotally secured to said block, a plurality of stops for said index slide block, one of said stops being associated with each of said cores, means on said index slide block for sequentially engaging said stops, means for oscillating said index slide block and line guide to feed line in layers onto said cores, means for moving said index slide block to the adjacent stop when one of said stops is released, means for releasing said stops in sequence responsive to the sequential filling of said cores with said line, and means for quickly rotating said line guide as said indexing mechanism moves the line guide from a full core to an empty core.

2,597,376
FLYWHEEL TOOL
John A. Riordan, Denver, Colo., assignor to James T. Clark, Fort Morgan, Colo.
Application February 14, 1950, Serial No. 144,095
10 Claims. (Cl. 81—90)



1. A device for rotating flywheels of the type having a ring gear thereon, comprising; an elongated shank having a handle at one end thereof, a linkage system having pivot means disposed adjacent the other end of said shank constrained to move to various distances from the axis of the shank at opposite sides thereof and in the same perpendicular planes to said axis, a pair of oppositely extending arms, each having a tooth engaging jaw at its outer end, each arm being pivoted near its inner end to one of said pivot means, and link means extending between and pivotally connected at the ends thereof to the inner ends of the arms.

6. A device for rotating flywheels, of the type having a ring gear thereon, comprising; an elongated shank having a handle at one end thereof, a pair of links extending outwardly from the shank on each side thereof, the inner ends of both pairs being pivotally connected to the shank by pivot means axially slideable relative thereto, a pair of outwardly extending arms, each having a tooth engaging jaw at its outer end, pivotally secured intermediate their ends to the outer ends of each of the pairs of links, resilient means for urging said jaws toward each other, and means for constraining the pairs of links, on opposite sides of the shank, to identical conjoint movement relative to the shank.

2,597,377
PREPACKAGING UNIT FOR RAYON YARN AND THE LIKE
Kenneth V. Robinson, Atlanta, Ga., assignor to Atlanta Paper Company, a corporation of Georgia
Application March 20, 1948, Serial No. 16,076
2 Claims. (Cl. 229—87)

1. A one-piece paperboard blank adapted for forming a unitary prepackaging unit for wound packages for rayon yarn and the like carried on cones and by which said packages may be completely contained in spaced relation and positioned at both ends against both longitudinal and lateral movement, said blank being formed of corrugated paperboard and having parallel bending scores defining a single bottom wall, opposed side walls hinged on said single bottom wall, and top full-laps hinged on said opposed side walls, the inner top full-lap being formed with spaced apertures for receiving the small end of said

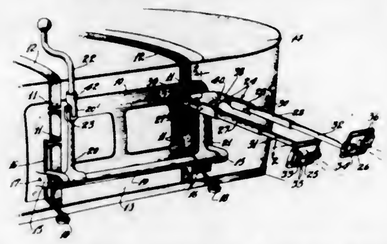


cones, and the inner liner and corrugated filler of the paperboard forming the outer top full-lap and said single bottom wall being crushed at aligned intervals in a circular pattern against the outer liners thereof, and thereby forming spaced circular depressions serving, respectively, for receiving and protecting the nose of said cones, and for receiving and positioning the large end of said cones.

2,597,378
THERMOADHESIVE COMPOSITION AND COMPOSITE CLOSURE LINER FORMED THEREWITH
Louis F. Rogers and Michael S. Ebert, Wilmington, Del., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 8, 1946, Serial No. 668,310
2 Claims. (Cl. 260—28.5)

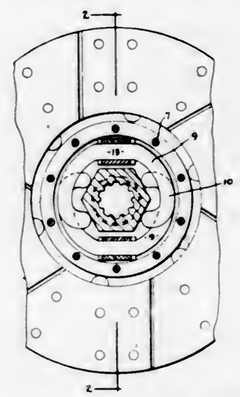
1. A composition capable of exhibiting tackiness upon each heating during repeated cycles of heating above and cooling below room temperature, and having the property of strong adhesion to metal and cellulosic surfaces after cooling in contact therewith, consisting of 40 to 50 parts by weight of paraffin wax having a melting point between 80 and 150 degrees F., and 60 to 50 parts by weight of a butyl rubber produced by low-temperature catalytic polymerizing combination of isobutylene with a substance selected from the group consisting of butadiene and isoprene, said butyl rubber having a Mooney viscosity of 30 to 70, the said ingredients being intimately and uniformly mixed.

2,597,379
PORTABLE DUAL CONTROL DEVICE
William H. Romei, Montclair, N. J.
Application March 7, 1950, Serial No. 148,079
2 Claims. (Cl. 74—481)



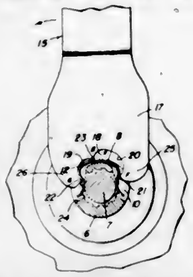
1. A dual control device for a motor vehicle comprising an adaptor plate of dimensions adapting it to fit against the front wall of a vehicle seat in spaced relation to upper and lower edges thereof, bearing brackets on said plate projecting forwardly therefrom adjacent opposite ends of the lower edge portion thereof, a rocker shaft extending horizontally between and rotatably supported at its ends in said brackets, an operating crank secured to and extending upwardly from said shaft adjacent one end thereof for rotation of the shaft by movement of the operating crank forwardly and downwardly, a linkage crank secured to and extending upwardly from said rocker shaft adjacent the other end of the shaft, said linkage crank having a horizontal cross head projecting from opposite ends of its upper end, a spindle secured to and projecting from an end of said cross head, a rod pivotally connected at one end to said spindle and extending forwardly therefrom, and a pedal clamp pivoted to the front end of the rod for connecting the rod to an automotive control pedal.

2,597,380
VIBRATION DAMPENING MOTION TRANSMITTING ELEMENT OR CLUTCH
Robert S. Root, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application July 27, 1948, Serial No. 40,884
1 Claim. (Cl. 64—27)



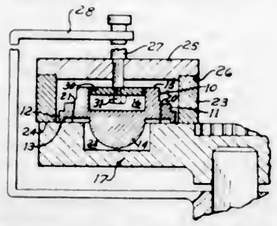
A motion transmitting element comprising inner and outer concentrically arranged parts, the outer part comprising an annular plate having friction faces on opposite sides thereof, side plates secured to the inner margin of the former plate and mounted on the inner part to have a slight rotating movement relatively thereto, the inner part having a collar between the side plates and formed with a peripheral cam surface, a resilient vibration dampener and motion transmitting members between said parts and mounted between said side plates, said members being C-shaped in general form and embracing the cam surface of the inner part and secured at its intermediate portion to the outer part between said side plates, the ends of the C formation coacting with the cam surface of the inner part, said member being biased to cause the ends of the C formation to grip the cam surface normally at the low portions thereof, and retaining plates between said side plates and arranged to hold said member at the intermediate portion of its C formation, the side plates having slots therein and the retaining plates having lugs for entering the slots.

2,597,381
TOOL FOR REMOVING DOOR HANDLE RETAINING SPRINGS
Perry R. Roper, South Gate, Calif., assignor to Anthony Oberholtz, Los Angeles, Calif.
Application June 28, 1948, Serial No. 35,647
4 Claims. (Cl. 29—229)



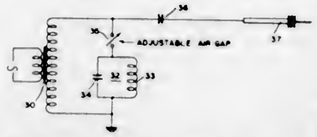
1. A tool for removing spring retainer clips comprising: a length of flat metal bifurcated to provide integral coplanar arms spaced one from the other to form a retainer receiving notch, a pointed fulcrum projection on the free end of one of the arms located in the plane of the length of metal and extending inwardly from the inner edge thereof, a pointed gripping projection on the free end of the other arm located in said plane and extending inwardly from the inner edge thereof and a bearing projection on the inner edge of one of said arms located in said plane and at a point intermediate said first and second projections, the gripping projection providing a biting edge facing said bearing portion, said first and second projections adapted to snap on to a retainer and as said tool is rotated in said plane around said fulcrum projection at one side of the retainer, the gripping projection is adapted to bite into the other side of the retainer to press the retainer against said bearing projection and withdraw the same.

2,597,382
APPARATUS FOR LAPPING SHOULDERS
Raymond G. Roshong, North Hollywood, Calif., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application November 1, 1949, Serial No. 124,788
3 Claims. (Cl. 51—129)



2. Apparatus for finishing a surface on a shoulder or the like of an article, said article having a central opening therein, said apparatus comprising a rotatable lap having an annular groove to receive an article with the portion thereof extending beyond the shoulder disposed in the groove, guide means extending into the central opening in the article, a conditioning ring resting on the lap and encircling the article, a weight on the ring, locating means between the weight and ring to fix the position of the ring relative to the weight, means on the weight for fixing the position of the guide means relative to the weight, and means also on the weight for holding the ring against revolution with the lap.

2,597,383
CATHODE-RAY TUBE SCREEN TREATMENT
Arthur L. Samuel, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 19, 1951, Serial No. 232,311
10 Claims. (Cl. 316—1)

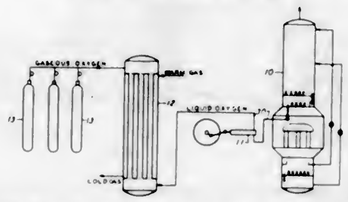


1. The process of treating the screen of a cathode ray tube to remove imperfections and produce uniformity thereof which comprises applying to the outer face of the tube a high voltage of alternating polarity.

2,597,384
PREPARATION OF COLLOIDAL BARIUM SULFATE
Herbert L. Sanders, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 27, 1948, Serial No. 62,427
6 Claims. (Cl. 252—313)

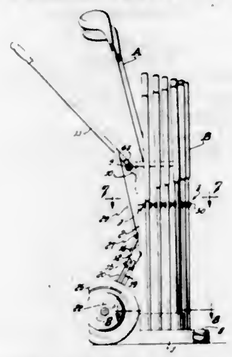
1. A process for preparing colloidal aqueous barium sulfate solution which comprises adding an aqueous solution of a water-soluble sulfate selected from the class consisting of sulfates of alkali metals and monovalent inorganic nitrogen bases having a molecular weight of not more than 40, to an aqueous solution of barium gluconate while avoiding formation of a localized excess of unreacted sulfate ions, the amount of sulfate being less than the equivalent of the barium present in the gluconate solution, and the concentration of said solutions being sufficient to yield a final concentration of barium sulfate not substantially less than 4% and not substantially more than 12%.

2,597,385
SEPARATION OF GAS MIXTURES
Clarence J. Schilling, Chattanooga, Tenn., assignor to Air Products, Incorporated, Chattanooga, Tenn., a corporation of Michigan
Application February 11, 1946, Serial No. 646,739
3 Claims. (Cl. 62—122)



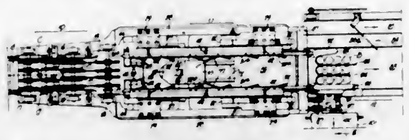
1. In a liquid air fractionating column having a series of bubble plates each having a downcomer, and a reservoir for the reception of liquid oxygen: a receptacle arranged below the final plate of said series to seal the downcomer from said plate, said receptacle having an opening for the overflow of excess liquid to said reservoir, and a conduit arranged to conduct liquid from said receptacle to the exterior of said column.

2,597,386
GOLF CLUB CART
Herman A. Schmid, Arcadia, Calif.
Application July 13, 1950, Serial No. 173,576
3 Claims. (Cl. 280—40)



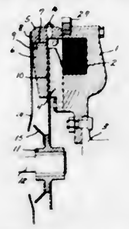
1. A golf club cart having a broad base and a tubular receptacle rising therefrom, a bracket at the top of said receptacle, an operating handle hung in said bracket for vertical swinging movement, an inclined support on the receptacle nearer the bottom thereof, a pair of superposed arms pivotally secured to each side of said support, a wheel-carrying hub pivotally secured to the outer ends of said arms, links pivotally interconnecting the inner ends of said upper arms with the handle, upward movement of the handle being effective to swing the hubs downwardly to bring the wheels into contact with the ground, downward movement of the lever raising the hubs and wheels into position against the sides of the receptacle, the base having compartments therein for receiving the heads of the golf clubs, and means on the receptacle nearer the top thereof for locking the handles of the golf clubs in position against the receptacle.

2,597,387
DEVICE FOR OPENING AND EMPTYING CARTONS
Stephen G. Seidel, Abington, and Robert P. Lownes, Philadelphia, Pa., assignors to John A. Margolis, Philadelphia, Pa.
Application February 26, 1947, Serial No. 731,068
10 Claims. (Cl. 214—1.1)



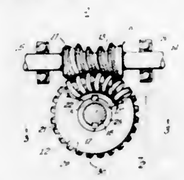
1. In apparatus for opening and emptying cartons having outer and inner closure flaps, the combination with means for advancing the cartons in inverted positions over a predetermined path, of a series of supports in said path successively receiving the carton as it is advanced along said path, said supports including a first support having means to effect a preliminary partial opening of the outer closure flaps, a second support receiving the carton from the first named support and supporting the contents of the carton through the inner closure flaps, and a third support having means to engage and complete the opening of the outer closure flaps together with means to engage and open said inner flaps while directly supporting the contents of the carton.

2,597,388
ELECTROMAGNETIC CLUTCH
Robert Sensaud de Lavaud, Sao Paulo, Brazil
Application August 25, 1947, Serial No. 770,451
In France September 14, 1946
4 Claims. (Cl. 192—84)



1. An electro-magnetic clutch between a drive and a driven shaft, which clutch comprises a magnetic fly-wheel secured on the drive shaft, an annular induction coil mounted on said fly-wheel to create a magnetic field, a magnetic circuit including a magnetic plate secured to said fly-wheel, a back-plate of magnetic metal secured to said magnetic fly-wheel but axially movable relatively thereto, and an annular ring secured to said magnetic fly-wheel on the periphery thereof and having said back-plate mounted within it for axial sliding movement relatively to said ring and for rotational drive connection therewith, and at least one disc secured to said driven shaft and interposed between the cooperating facing surfaces of said magnetic plate and said back-plate, said disc being made of a non-magnetic metal and provided at its periphery opposite said facing surfaces with bars of a magnetic metal equal in thickness to said disc and radially disposed, the adjacent faces of said magnetic plate and said back-plate being lined with a layer of non-magnetic metal.

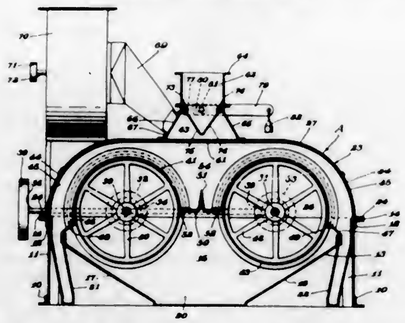
2,597,389
ANTIFRICTION STRUCTURE FOR WORM WHEELS AND THE LIKE
Arnt Setter, Santa Clara, Calif.
Application February 7, 1951, Serial No. 209,818
11 Claims. (Cl. 74—464)



1. An anti-friction tooth structure for a driven member such as a worm wheel and the like comprising complementary side walls united for movement in a plane coincident to a bisecting

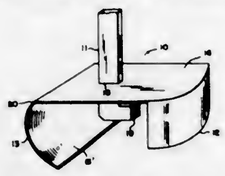
line between the inner faces of said complementary side walls, said side walls having diametrically opposite matching grooves in their inner faces cooperating to provide a partially annular raceway opening onto one surface of said complementary side walls, and a disc mounted for turning movement in said partially annular raceway whereby a segmental portion of said disc extends beyond said one surface of said complementary side walls to provide a tooth thereon.

2,597,390
MULTIPLE GRAIN SCALPER
Anthony Hill Shepardson, Minneapolis, Minn., assignor to Haaky Manufacturing Company, St. Paul, Minn., a corporation of Minnesota
Application June 25, 1945, Serial No. 601,491
1 Claim. (Cl. 209—285)



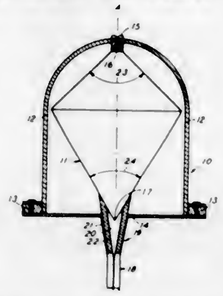
A grain scalper comprising a pair of parallel cylindrical screens mounted upon parallel horizontal shafts, said screens having apertures therethrough of proper size to permit grain to pass therethrough, a grain support between the screens and confronting said screens at approximately the level of said shafts, said support having an upstanding divider thereon with sloping side walls for urging the grain toward said screens, means spaced substantially above said support for directing grain onto said support throughout the length of said support at the locus of said divider, and means for rotating said screens in a direction so as to move the portions thereof adjacent said support upwardly with respect to said support.

2,597,391
ANTENNA
William Sichak, Lyndhurst, N. J., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 30, 1946, Serial No. 665,936
5 Claims. (Cl. 250—33.65)



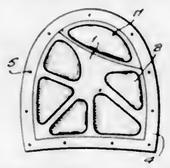
4. An arrangement for illuminating a main directive reflector comprising a first directive reflecting surface having a focal line, at least one conductive end plate perpendicular to the focal line and adjacent to said first reflecting surface, the intersection of the terminations of said first reflecting surface and said end plate forming an aperture for radiating energy onto the main directive reflector, said focal line being outside of the space bounded by said aperture and said reflecting surface, said end plate being extended beyond said radiating aperture to a position adjacent the main directive reflector, and means positioned on said focal line for illuminating said first reflecting surface with polarized electromagnetic energy, said last-mentioned means being oriented to provide electromagnetic energy polarized parallel to said end plate.

2,597,392
ANTENNA
Robert M. Silliman, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War
Application January 7, 1946, Serial No. 639,648
5 Claims. (Cl. 250—33)



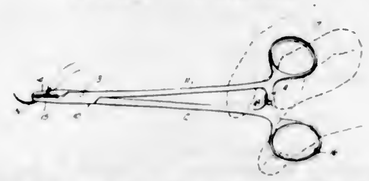
1. A wide-band antenna comprising a pair of electrically conductive cones extending in opposite directions and mounted base-to-base with their axes colinear and electrically and mechanically connected at their bases, one of said cones having an apex angle of 90°, the other of said cones having an apex angle of between 60° and 70°, said cones having bases of the same area and being of different lengths, the distance between the apices of said cones being between substantially .3 of one wavelength and one wavelength of the frequencies in the operating frequency band, and a coaxial impedance transformer electrically connected to said other cone and serving as a mechanical support for said cones.

2,597,393
CUSHION HEEL
Vavřín Šlampa, Brunn, Czechoslovakia
Application November 18, 1947, Serial No. 786,591
In Czechoslovakia April 14, 1947
5 Claims. (Cl. 36—35)



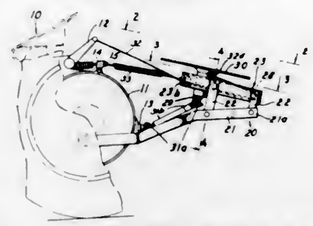
1. A shoe heel consisting of rubber or a like material formed with at least one slit extending parallel to the perimeter of the heel spaced therefrom so as to define a central portion and a rim portion, said central portion having a plurality of projecting bulges arranged in a continuous closed row so as to form a projecting ring adjacent to said rim portion, each of said bulges being formed with an inner cavity and protruding substantially beyond the remainder of said central portion and beyond said rim portion so as to protect the same from being worn; and means in said rim portion for securing the heel to a shoe.

2,597,394
HARDENED JAW INSERT FOR NEEDLE HOLDERS
Leonard R. Snowden, Los Gatos, Calif.
Application June 30, 1951, Serial No. 234,577
8 Claims. (Cl. 128—340)



1. In a surgical needle holder including a pair of jaws formed on a pair of pivoted scissor arms having springlike characteristics adapted to urge the abutting faces of said jaws together when said arms are forced together by hand; a hardened insert for the abutting face of each of said jaws comprising a strip of metal conforming in shape to the inner face of each of said jaws and having a plurality of sawtoothed configurations formed upon the exposed abutting surface thereof, each sawtooth configuration including an angularly disposed surface converging with an inwardly extending wall and providing an apex on each of said tooth configurations adapted to engage a needle disposed between each of said jaws.

2,597,395
POWER-FED, TIMBER-MOWING TRACTOR MOUNTED SAW
Raymond T. Spedding, Detroit, Mich., assignor to Dearborn Motors Corporation, Highland Park, Mich., a corporation of Delaware
Application April 26, 1950, Serial No. 158,260
2 Claims. (Cl. 143—43)



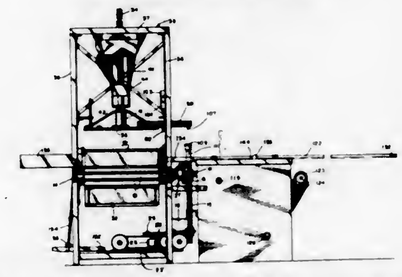
1. For use with a tractor having a single acting hydraulic ram, a pivoted arm actuated by said ram and a power-take-off shaft, a saw comprising a frame adapted for securement to the rear end of the tractor, a saw supporting carriage, means mounting said carriage on said frame for linear movement relative thereto in work engaging and work disengaging directions, a saw blade journaled on said carriage and linearly movable therewith, extensible means for driving said saw blade from the tractor power-take-off shaft, a cable connecting said carriage and said pivoted arm, means on said frame and fixed against linear movement guiding the intermediate portions of said cable, whereby the power stroke of the tractor hydraulic ram produces movement of said carriage in the work engaging direction, and resilient blade-return means opposing power movement of said carriage and energized during the power stroke of said ram urging said carriage in the work disengaging direction.

2,597,396
METHOD OF DECORATING
Richard Squires, Gladwyne, Pa., assignor, by mesne assignments, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio, and National Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1949, Serial No. 129,016
4 Claims. (Cl. 154—96)



1. The method of decorating sheet edges which comprises assembling a plurality of sheets in side-by-side relation with the edges thereof in the same plane whereby to provide a surface of substantial width made up of sheet edges, adhesively attaching to such surface one side of a decorative film releasably secured on its other side to a carrier backing, and then removing the releasably attached carrier backing from the decorative film, the decorative film being of a homogeneity and consistency such that, when the sheet edges to which the decorative film has been adhesively applied are separated, a continuous strip of decorative film is adhered to and covers each individual sheet edge.

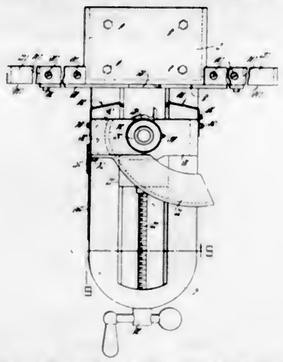
2,597,397
AUTOMATIC CUSHION STUFFER WITH BELT CONVEYER AND RECIPROCATING FOLLOWER
Edward J. Stauffer, Naperville, Ill., assignor to Kroehler Mfg. Co., Naperville, Ill., a corporation of Illinois
Application November 29, 1946, Serial No. 712,859
4 Claims. (Cl. 226—45)



3. In an automatic cushion stuffing apparatus, a power source, a conveyor apparatus for advancing filler loads to a compression station, a clutch

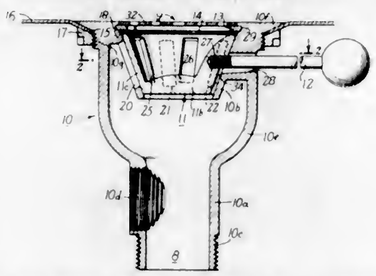
for connecting said power to said conveyor apparatus, a motor driven compression mechanism at said compression station for compacting said filler loads, a discharging plunger for ejecting said filler loads, and automatic means responsive to each attainment by said conveyor of said compression station for declutching said power source from said conveyor, for initiating the compression plunger, and for operating said plunger.

2,597,398
WOODWORKING MACHINE
Walter I. Stearns, Arlington, Vt.
Application October 31, 1950, Serial No. 193,236
5 Claims. (Cl. 144—131)



2. In a wood working machine, a housing having spaced opposite end walls provided with aligned openings and slots for receiving shaft ends extending upwardly in said end walls into said openings, a cutter head having shaft ends at opposite ends thereof insertable upwardly into said openings, antifriction bearings in which said shaft ends are rotatable and being slidable axially on said shaft ends whereby with said shaft ends in said openings said bearings may be inserted into said openings and means on said shaft ends holding said bearings against movements outwardly axially of said openings.

2,597,399
DRAIN VALVE
Vernon P. Steele, Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y., a corporation of New York
Application December 31, 1947, Serial No. 795,071
2 Claims. (Cl. 4—287)



1. In a drain valve for a sink, in combination, a casing, said casing including intake and exhaust openings and a portion including a conically-shaped wall positioned beneath said intake opening, said intake opening opening into the mouth of said conically-shaped portion, a cup-shaped member positioned in and rotatably mounted on said conically-shaped portion, a snap ring mounted on said casing above the upper edge of said cup member, spring means positioned between said retaining ring and the upper edge of said cup member, said spring exerting resilient pressure downwardly upon said cup to hold it seated on the conically-shaped portion of said casing, means forming ports in the side wall of said member and said conically-shaped portion, said ports in the side wall of said cup-shaped member being the only ports in said cup-shaped member, said ports in said conically-shaped portion opening into the interior of said valve and thus being connected to said exhaust opening, said ports being adapted to be moved into and out of registry with respect to each other, and means for turning said cup-shaped member with respect to said conically-shaped portion to move its ports into and out of registry with respect to the ports of said conically-shaped portion.

2,597,400
INVALID'S PICKUP STICK
Sherman L. Stogsdill and Benjamin F. Rassieur, St. Louis County, Mo., assignors to Paulo Products Company, St. Louis, Mo., a corporation of Missouri
Application September 29, 1948, Serial No. 51,764
4 Claims. (Cl. 294—99)



1. An invalid's pick-up stick including a staff and a crook secured to one end of the staff, the crook comprising a helix of resilient wire with one end extending from the helix and secured to the staff, and the other end extending tangentially from the helix, the helix comprising one full turn and at least a fraction of a turn, with the fraction lying contiguous to the full turn, whereby an object can be engaged resiliently therebetween.

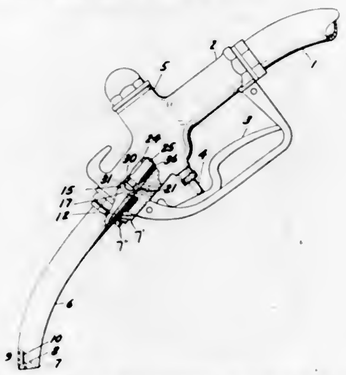
2,597,401
FABRIC PANEL CLAMP
Wallace R. Swanson, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application January 4, 1947, Serial No. 720,138
6 Claims. (Cl. 160—181)

1. Fabric panel supporting mechanism, comprising an elongated backing member having a cavity extending lengthwise thereof, a rib projecting abruptly from the floor of said cavity of a height substantially less than the depth of the cavity and having opposite sides forming dihedral angles with the adjacent wall portions of said cavity, two strips received in said cavity at opposite sides of said rib, respectively, and wrapped in adjacent fabric panel edges, the adjacent sides of said strips having inner corners complemental to said dihedral angles and received therein, respectively, with the opposite sides of said strips



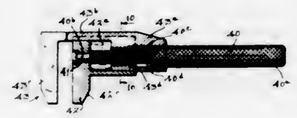
in engagement, respectively, with opposite sides of said cavity, and the adjacent sides of said strips forming with their outer sides acute angled outer corners disposed at the opening of said cavity, at least as far outward as any other portion of said strips and substantially overlying the center of said rib, to dispose the portions of the fabric panels overlying the outer sides of said strips in coplanar, substantially abutting relationship.

2,597,402
AUTOMATIC VALVE
Robert D. Sweeny and Wencel L. Coutchure, Toledo, Ohio, assignors to Wm. H. Cook, trustee, Toledo, Ohio
Application May 10, 1945, Serial No. 593,068
3 Claims. (Cl. 226—127)



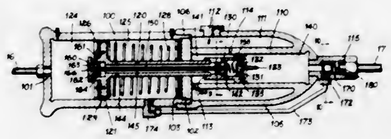
1. In a hose nozzle having an outlet a control mechanism for automatically shutting off the flow of liquid through said nozzle when said outlet is submerged in liquid, said mechanism comprising: a venturi in said nozzle spaced away from said outlet, a valve on the intake side of said venturi for controlling flow through said nozzle, a cylinder, a piston operating in said cylinder to actuate said valve on the intake side of said venturi to cut off the flow of liquid through said nozzle, an annular slot around the throat of said venturi, and a duct commuicating from near said outlet to said piston with a branch duct communicating with and around said slot, whereby liquid flows through said venturi as long as the outlet end of said duct is unsubmerged to maintain said valve open, but when said outlet end of said duct is submerged the suction from said slot draws liquid through said duct into said slot cutting off its suction thereby creating an increased pressure surge in said duct to said piston to operate said piston to push said valve toward said intake side of said Venturi section to cut off the flow of liquid through said nozzle.

2,597,403
INTERRUPTED THREAD TYPE SLIDABLE JAW WRENCH
John T. Tedesco, Bronx, N. Y.
Application May 20, 1948, Serial No. 28,172
2 Claims. (Cl. 81—159)



1. A wrench comprising a fixed jaw having an extension projecting from its side opposed to its gripping surface and a passage in one end thereof, said extension having a socket opening extended in from the side thereof adjacent the said one end of said fixed jaw and communicating with said passage, an elongated handle having one end portion extended through said socket opening and rotatively connected with said fixed jaw, a movable jaw having a jaw element facing the gripping surface of said fixed jaw and a tubular portion slidably fitted into said socket opening and encircling the said one end portion of said handle, said tubular portion and the said one end portion of said handle having threads for moving said movable jaw relative to said fixed jaw, said movable jaw having an intermediate portion between its jaw element, said tubular portion extended slidably through said passage retaining said movable jaw to have sliding movements only relative to said fixed jaw in a plane parallel to the axis of said handle.

2,597,404
PRESSURE COMPOUNDING DEVICE FOR HYDRAULIC SYSTEMS
Lavern J. Teske, Hamburg, Wis.
Application March 3, 1949, Serial No. 79,367
8 Claims. (Cl. 60—54.5)



2. A pressure compounding device adapted for use in a hydraulic braking system including a brake cylinder and a master cylinder, comprising means forming a pair of cylinders of differ-

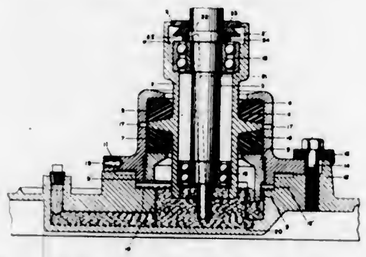
ent cross-sectional areas, means connecting the larger of said cylinders to said master cylinder to receive pressure fluid therefrom, means connecting the smaller of said cylinders to said brake cylinder to deliver pressure fluid thereto, a large piston operable in said larger cylinder and separating the interior thereof into a primary chamber adapted to receive pressure fluid from said master cylinder and a secondary chamber, a small piston in said smaller cylinder operable in response to operation of said large piston, pressure relief means operable at a predetermined pressure to relieve the pressure in said secondary chamber, and means forming a valved passage for delivery of pressure fluid from said secondary chamber to said primary chamber during movement of said large piston in response to the introduction of pressure fluid from said master cylinder into said primary chamber while said pressure relief means is closed, and means operable substantially upon completion of the forward movement of said pistons for directly connecting said master cylinder with said brake cylinder to deliver additional pressure fluid thereto.

2,597,405

COMBINED BEARING AND STABILIZING MECHANISM FOR CENTRIFUGAL SEPARATORS

John E. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Boston, Mass., a corporation of Massachusetts

Application September 28, 1946, Serial No. 700,005
3 Claims. (Cl. 308—168)



1. In a centrifugal extractor, the combination with an upright spindle for supporting the centrifugal basket, a bearing structure supporting said spindle and comprising a quill having an oil dispersion chamber formed at the upper end thereof, a base supporting said bearing structure and having an oil well therein, the bearing structure including upper and lower antifriction bearings mounted in said quill, said upper antifriction bearing occurring at a point immediately below the oil dispersion chamber, said spindle having an oil duct therein, the lower end of said duct being submerged in the oil in said well while the upper end of the duct leads to a lateral discharge port positioned to deliver oil from the spindle into the oil dispersion chamber, said duct being inclined relatively to the axis of said spindle substantially from the lower end thereof to approximately said discharge port so that rotation of the spindle will create a centrifugal force in the oil in said duct serving to force said oil upwardly through the duct and said port, and restricted aperture means interposed in the path of movement of oil ejected from the spindle, said means cooperating with the dispersion chamber for converting the oil into a mist.

2,597,406

METHOD OF MANUFACTURING OF PHOSPHATE CONTAINING COATING PRODUCTS FOR THE PROTECTION OF METALS AGAINST CORROSION

Ole Thome-Johannesen, Oslo, Norway, assignor to Elvind Eckbo, Oslo, Norway

No Drawing. Application March 8, 1949, Serial No. 80,334. In Norway March 15, 1948
5 Claims. (Cl. 148—6.15)

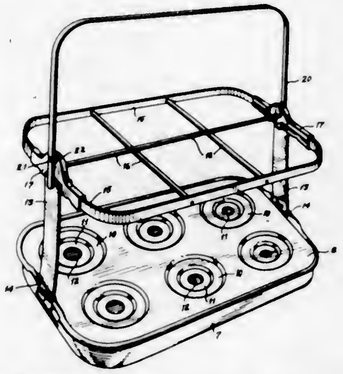
2. A method of production of powdery phosphate-containing coating products, said products being capable of storage, for the protection of metals against corrosion, comprising, mixing calcium mono-phosphate, $CaH_4(PO_4)_2$, with a material selected from the class consisting of tri-zinc-phosphate, a mixture of tri-zinc-phosphate and zinc-oxide and a mixture of zinc-oxide and zinc carbonate in such proportions that the content of acid in the mixture lies somewhere between mono-phosphate and di-phosphate, adding a sufficient quantity of water to make the reaction between these substances take place quickly, allowing said substances to react with one another, completely drying the moist, completely reacted mixture at elevated temperature of between 110° and 130° C. and pulverizing the dried mixture.

2,597,407

BOTTLE STERILIZER

Earl G. Thompson, San Francisco, Calif.

Application July 10, 1948, Serial No. 38,042
3 Claims. (Cl. 21—79)



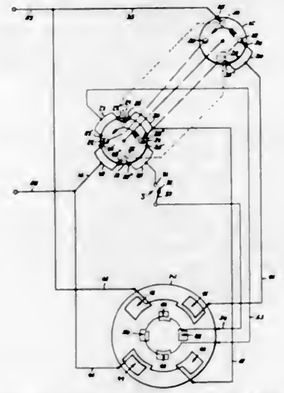
1. In a bottle sterilizer, a generator means for heated water vapor comprising a liquid container tray means and a cover means therefor, said cover means having openings in the upper surface portion thereof to provide therethrough a source of heated water vapor and to receive over said openings the open end portions of bottles to be sterilized; bottle supporting rack means disposed in vertical spaced relation to said generator means and providing a support for the closed end portions of vertically disposed bottles having their open end portions disposed over said openings in said cover means, said rack means having tine receiving openings in opposite edge portions thereof; connecting strap means between said tray means and said rack means comprising diametrically disposed spaced apart strap means each hingedly secured to said tray means intermediate its length on hinges parallel to an edge of said tray means, abutting at the lower end portion said tray means, and terminating in a plurality of tines interfitting in the said openings in an edge portion of said rack means; and handle bail means pivoted to said rack means intermediate the length of each leg thereof and having the lower end of each leg movable into and out of outside surface contacting relation with the upper portion of one of said strap means and securing the tines of said strap means in the openings of said rack means.

2,597,408

ELECTRIC MOTOR CONTROL

Lawrence Emanuel Thompson, Marion, Ind.

Original application March 31, 1947, Serial No. 738,394. Divided and this application January 18, 1949, Serial No. 71,491
1 Claim. (Cl. 318—207)



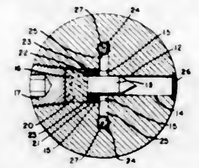
In combination, a reversible electric motor having two field windings and a starter winding, switch means electrically connected to said windings, said switch means comprising a first element carrying spaced, electrically-separated contacts, a second element carrying spaced, electrically-separated contacts, said elements being mounted for independent rotary movement about a common axis and said contacts projecting from said elements for mutual engagement upon registry, a conductor for electrically connecting one side of one field winding with one side of a source of electrical energy, a second conductor for electrically connecting one side of the other field winding with the other side of said source, means electrically connecting the other side of said one field winding with contact means alternatively engageable by said contacts on said first element, means electrically connecting the other side of said other field winding with contactors alternatively engageable by one of said contacts on said second element, means electrically connecting said one side of said source with a contactor engaged by one of said contacts carried by said first element when the other contact carried by said first element engages said first-named contact means, means electrically connecting one side of said starter winding with contact means alternatively engageable by said contacts carried by said second element, means electrically connecting the other side of said starter winding with contact means alternatively engageable by said contacts carried by said second element, said last-named connecting means including a switch, and a conductor for connecting the other side of said source with contactors alternatively engageable by the other of said contacts carried by said second element.

2,597,409

INTERNALLY FIRED PERFORATING GUN

James O. Tow, Huntington Park, Calif., assignor to McCullough Tool Company, Los Angeles, Calif., a corporation of Nevada

Application September 20, 1946, Serial No. 698,225
14 Claims. (Cl. 164—0.5)



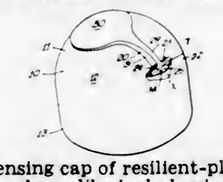
1. In a gun and projectile arrangement, the combination of: a body having a projectile receiving bore, a spatial enlargement at the rear end of said bore, a firing charge chamber communicating with the rear end of said bore, and a passage communicating with said spatial enlargement; a projectile in said bore having thereon a projection extending outwardly into said spatial enlargement rearwardly of said communication of said passage with said spatial enlargement, the transverse area of said projection being substantially equal to the transverse area of said spatial enlargement, and said projection being releasable from said projectile as said projectile moves out through said bore; a firing charge in said chamber; and means for applying pressure through said passage into said spatial enlargement ahead of said projection, to drive the projectile rearwardly whereby said firing charge will be exploded.

2,597,410

DISPENSING CAP FOR CONTAINERS

Theodore A. Tronson, Campbell, Calif.

Application February 16, 1951, Serial No. 211,363
8 Claims. (Cl. 222—490)



1. A dispensing cap of resilient-pliable material comprising a dome-like body having its open end adapted to be secured to the neck of a container, the exterior surface of said body having a raised embellishment extending over the same in a common equatorial plane relative to its dome-like shape and including a triangular shaped mouth having its base extending transversely of said common equatorial plane and slit parallel to said base to provide a supple upper lip for said mouth, and the balance of said embellishment constituting a lever terminating in a treadle pad which when depressed effects a backward pull upon said lip for stretching the same to thereby open said mouth.

2,597,411

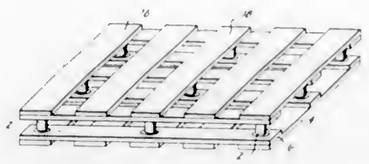
PALLET FOR SUPPORTING MATERIALS

Bernard E. Vankrimpen, Lorain, Ohio, assignor to United States Steel Company, a corporation of New Jersey

Application January 16, 1948, Serial No. 2,618
8 Claims. (Cl. 248—120)

1. A pallet comprising a series of spaced apart support members, means connecting said support

members in spaced lateral relationship, a plurality of tubular separators spaced at intervals between said support members, a plurality of prongs projecting from the ends of each separator, said prongs being imbedded in the support members, washers located between the tubular



separators and the support members, said washers having openings spaced at intervals in the surfaces thereof to permit passage of the prongs projecting from the ends of the tubular separators, and crimps in the edges of said washers imbedded in the support members.

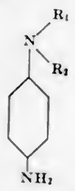
2,597,412

DIAZOTYPE COMPOSITIONS CONTAINING UNSATURATED ALKYL N-DERIVATIVES OF AMINO DIAZOS

William H. von Glahn, Loudonville, and Lester N. Stanley, Delmar, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 29, 1948, Serial No. 68,072
5 Claims. (Cl. 95—7)

1. Diazotype materials comprising a base having a photosensitive coating which includes a light sensitive mono diazo derivative of an aromatic p-diamine of the benzene series having the following formula



wherein R_1 is a member of the group consisting of alkyl radicals of less than five carbon atoms containing at least one unsaturated carbon to carbon linkage and such radicals containing a hydroxyl group and R_2 is a member of the group consisting of hydrogen, alkyl, hydroxyalkyl, aryl, cycloaliphatic and R_1 radicals.

2,597,413

SAFETY CIGARETTE TRAY

Byron T. Wall, Flushing, N. Y.

Application September 28, 1948, Serial No. 51,511
6 Claims. (Cl. 131—240)

3. A cigarette tray having a bowl and a channel formed in its upper surface, said channel having a hole near the bowl, a coil comprising of bimetallic strip secured to said tray, below said hole at the inner end of said strip and having an arm extending away from said bowl along said channel, said tray having a slot traversing said channel adjacent the free end of said arm, a support mounted on said tray, and a lever pivoted to said support at one end and having its other end ex-



tending through said slot into cooperative engagement with said end of said arm.

2,597,414

PRESET RELEASING SUB ASSEMBLY

Kenneth E. Waggener, Brea, Calif.

Application January 12, 1948, Serial No. 1,722
6 Claims. (Cl. 255—27)



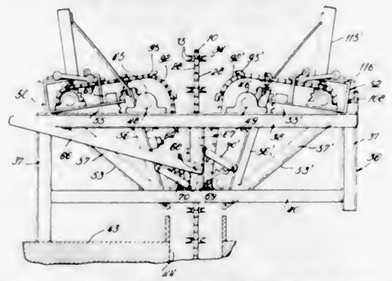
1. A pre-set, releasing, tool string sub including a tubular mandrel whose upper end is provided with an outwardly and downwardly beveled cam face, a barrel telescopic on said mandrel and having fixed inner seat-forming spurs and complementary wedges therefor on the mandrel to suspend the mandrel from the barrel, key and spline means connecting the barrel and the mandrel for corotational drive by the barrel, a hammer part on the barrel and an opposed anvil on the mandrel, and means for trippably latching the barrel on the mandrel in a position to space the hammer part above the said anvil for jar stroke of the barrel; said means including a sleeve slidably fitting the inner face of the barrel and having a set of normally contracting, inwardly inclined resilient latching fingers to rest on said cam face and being spaced from and expansible toward the bore face of the barrel, a locking bushing fixed in the barrel and normally retaining said fingers in contracted, strut-forming position on said cam face, and a spring of predetermined resistance reacting downward on said sleeve to force the fingers onto said mandrel cam face and bring said spurs and wedges together, and which spring is confined at its top by a fixed part of the barrel; said fingers being released from said bushing when downward pressure by downward movement of the barrel overcomes the resistance of the spring and shifts the locking bushing, as it moves down with the barrel, from the said fingers and thereby rereleases the barrel to effect a hammer stroke thereof on the mandrel.

2,597,415

LOADING MECHANISM FOR COOKY COATING APPARATUS AND THE LIKE

Nathan J. Watson, Sioux City, Iowa, assignor to Johnson Biscuit Company, Sioux City, Iowa, a corporation of Iowa

Application May 18, 1949, Serial No. 94,015
18 Claims. (Cl. 198—20)



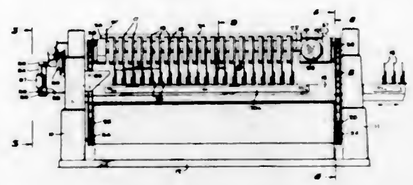
1. In combination with a conveyor for dip-coating base cakes and including substantially parallel side chains carrying hook bars in spaced and substantially parallel relationship, said hook bars having rows of spaced tangs normally projecting therefrom in a direction lateral to the plane of the side chains, and said side chains extending in a vertical direction at a loading position, a loading mechanism including a main support frame adjacent the conveyor at the loading position, a shaft supported by the main frame at a position spaced from and substantially parallel to the plane of the conveyor side chains, an auxiliary frame supported by the shaft for swinging movement about the axis of the shaft and having normal and retracted positions relative to the conveyor, said auxiliary frame carrying a plate having an arcuate mid-portion in substantially concentric relationship to the axis of said shaft and adjoining the plane portions, one of which plane portions extends angularly away from the conveyor and the other of which plane portions approaches into close proximity to the conveyor at a position spaced from the arcuate portion when the auxiliary frame is in the normal position, an auxiliary conveyor including sprockets on said shaft carrying chains adjacent the ends of the auxiliary frame and feeder bars carried by the chains in spaced relationship for movement along the exposed plane and arcuate portions of said plate, means for driving the auxiliary conveyor so that the feeder bars move in timed relationship to the hook bars, and means for feeding base cakes onto said plate at positions aligned with the tangs on the hook bars, said feeder bars of the auxiliary conveyor serving to move and guide the base cakes over the plate to positions such that the tangs are pressed into the base cakes as said base cakes are backed by the plate.

2,597,416

MACHINE FOR GRINDING EDGES OF GLASS PLATES

Karl A. Weber, Brentwood Heights, Calif., assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif., a corporation of Delaware

Application October 22, 1948, Serial No. 55,927
13 Claims. (Cl. 51—32)



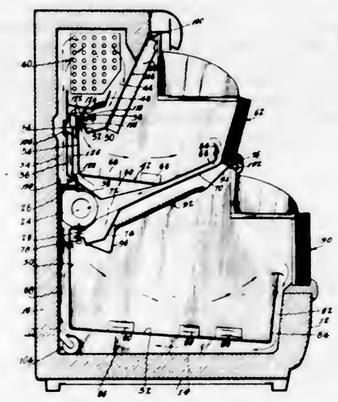
1. In a device for rounding the edges of a plurality of panes of glass or the like, the combination of a base; a carriage mounted for longitudinal reciprocable movement on the base; means on the carriage for supporting a plurality of groups of panes; a plurality of edge-treating assemblies; common means for supporting said assemblies on the base and for progressing them in a curved path along exposed edges of the panes, said common means defining an opening; and means for moving the carriage along the base through the opening to bring one group of panes into operative position adjacent the edge-treating assemblies while moving another group of panes away from such position.

2,597,417

SELF-SERVICE REFRIGERATED SHOWCASE

Karl Albert Weber, Brentwood Heights, Calif., assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif., a corporation of Delaware

Application July 10, 1950, Serial No. 172,952
11 Claims. (Cl. 62—89.5)



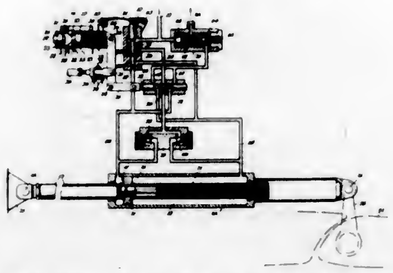
1. A self-service refrigerated display case comprising: a housing, at least one open display bin disposed in said housing, air circulating means, refrigerating means, an air duct from said blower to said refrigerating means, an air duct from said refrigerating means to said display bin, and means in said air ducts for by-passing said refrigerating means during defrosting of said refrigerating means.

2,597,418

HYDRAULIC SERVOMOTOR AND THE LIKE

Roy Westbury, Bridgnorth, and Stanley Ralph Tyler, Willenhall, England, assignors to H. M. Hobson Limited, London, England, a company of Great Britain

Application May 27, 1950, Serial No. 164,654
In Great Britain June 2, 1949
11 Claims. (Cl. 60—97)



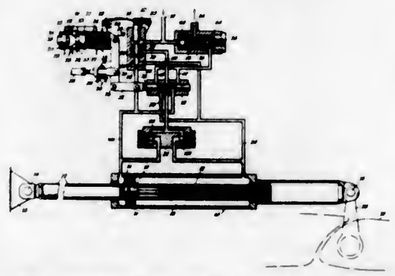
1. The combination with a hydraulic actuator having an inlet for liquid under pressure and an exhaust outlet, of a manually operable input member and an output member adapted to be actuated by the actuator, said actuator comprising a control valve movable in opposite directions by said input member to cause liquid to flow through said actuator in alternative paths from said inlet to said outlet and thereby to cause said actuator to move said output member in a direction and to an extent determined by the movement imparted to said input member, a collapsible member linked to the input member and arranged to collapse, in the event of seizure of said control valve and consequent abnormal application of manual force to said input member, and a valve operative on collapse of said collapsible member to cut off the flow of liquid from said pressure inlet to said control valve.

2,597,419

HYDRAULIC SERVOMOTOR AND THE LIKE

Roy Westbury, Bridgnorth, and Stanley Ralph Tyler, Willenhall, England, assignors to H. M. Hobson Limited, London, England, a company of Great Britain

Application May 27, 1950, Serial No. 164,655
In Great Britain June 2, 1949
6 Claims. (Cl. 60—97)



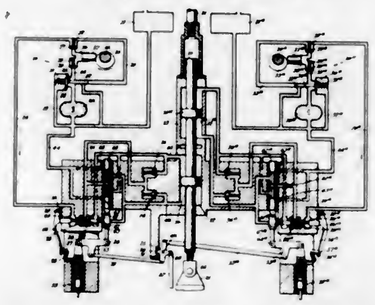
1. The combination with a hydraulic actuator having an inlet for liquid under pressure and an exhaust outlet, of a manually operable input member and an output member adapted to be actuated by the actuator, said actuator comprising a control valve movable in opposite directions by said input member to cause liquid to flow through said actuator in alternative paths from said inlet to said outlet and thereby to cause said actuator to move said output member in a direction and to an extent determined by the movement imparted to said input member, a collapsible member linked to the input member and arranged to collapse, in the event of seizure of said control valve and consequent abnormal application of manual force to said input member, a conduit for permitting of free circulation of liquid within the actuator, a valve normally closing said conduit, and means controlled by the collapsible member and operative on collapse thereof to cause automatic opening of said valve.

2,597,420

APPARATUS OPERATING THE FLYING CONTROLS OF AIRCRAFT

Roy Westbury, Oldbury, Bridgnorth, England, assignor to H. M. Hobson Limited, London, England, a company of Great Britain

Application May 31, 1950, Serial No. 165,275
In Great Britain June 2, 1949
4 Claims. (Cl. 60—53)



1. In apparatus for moving, through two independent hydraulic power units, an output member common to the two units under the control of a manually operable input member also common to the two units, the combination of a pair of hydraulic actuators which are directly coupled to said output member, each actuator comprising a control valve coupled to and movable by said input member to establish a flow of liquid through said actuator in one of two directions, according to the direction of movement of said control valve, and thereby to move the output member in a direction and to a position determined by the movement imparted to said input member, a conduit for permitting liquid to circulate freely in said actuator, a valve normally closing said conduit and means operative in the event of seizure of the control valve for opening said normally closed valve to permit liquid to circulate in said conduit so that the actuator will not obstruct continued movement of the output member by the other actuator, and a pair of hydraulic pumps for supplying liquid under pressure individually to said actuators under the control of their control valves, each pump being a two stage pump and comprising an off-loading valve subject to the delivery pressure of the second stage of the pump for relieving, as said delivery pressure increases, the pressure at which liquid is delivered from the first to the second stage of the pump, so that the delivery pressure of the pump, over a predetermined range of delivery pressures, is approximately inversely proportional to the rate at which said pump delivers liquid, said pumps operating, so long as both actuators are effective, at approximately half their maximum delivery pressure so that, in the event of failure of either actuator, the pump supplying the other actuator may double its delivery pressure and halve its rate of delivery thereby permitting of continued operation of the output member with the same power as previously but at half the speed.

2,597,421

ABRADING UNIT

Edwin H. White, Baltimore, Md.

Application May 17, 1949, Serial No. 93,790
1 Claim. (Cl. 51—190)



An abrasive unit for portable cylinder treating tools having a rotatable holding frame for said unit, said unit comprising, a single elongated U-shaped rigid clamping member having its ends extended outwardly beyond the unit to engage the tool holding frame, a pair of gradually tapered elastic abrading members of substantially the same size and thickness having a coating of abrasive on one side only of each member, the U-shaped member adapted to clamp the thicker edges of the two members together throughout their entire length to form a single unit in which the non-coated surfaces of the abrasive member are turned inwardly and the abrasive coated surfaces are turned outwardly, whereby the two elastic abrasive members are fixedly held by the clamp which in turn is holdable within the tool holding frame.

2,597,422

PROCESS OF FORMING DISPERSIONS

Harry P. Wood, Westwood, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts

Application September 11, 1948, Serial No. 48,910
8 Claims. (Cl. 260—37)

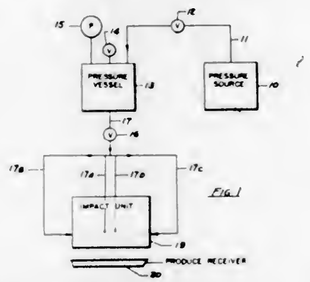


FIG. 1

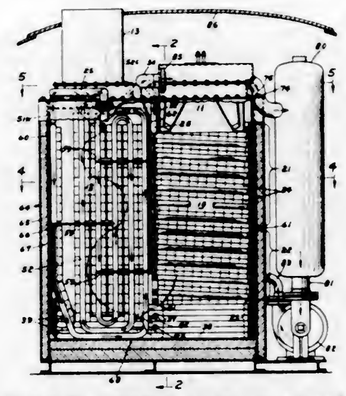
6. The process for producing paint dispersions from agglomerated pigment particles in a liquid vehicle which comprises directing at a point at least three streams of a mixture of pigment and liquid vehicle, said streams being the only streams employed and all said streams defining the perimeter of a cone and being directed at an angle with the axis of said cone of more than 45° and less than 90°, said streams having substantially equal kinetic energies at the area of principal contact and having a velocity of at least 100 feet per second.

2,597,423

STEAM GENERATOR

Basil Woynar, Chicago, Ill., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware

Application December 17, 1948, Serial No. 65,761
2 Claims. (Cl. 122—250)



1. In a steam generator having a vertical furnace fired from its top end by fuel burners and communicating through its inner wall at its lower end with a contiguous convection passage; an upright casing enclosing said furnace and convection passage; a tubular water supply header bent into a U-shaped loop and disposed so as to extend along the marginal edges of one end of said casing at its top, said header being closed at one end and having a water supply connection communicating with the opposite end of said header; a collecting header mounted to extend transversely of said casing adjacent the distal ends of the legs of said U-shaped header; radiantly heated tubular steam generating elements connected at opposite ends thereof to said supply and collecting headers, respectively, and depending therefrom in superimposed spirally wound convolutions to lie against the walls of said furnace with the portions at one side of each convolution disposed in contacting relation substantially beneath said collecting header to form a wall dividing the interior of said casing to form said furnace and adjacent convection passage; and other tube coils depending vertically from said supply and collecting headers into said convection passage, whereby all of said steam generating surface depends from said headers and may be removed from the casing with the latter.

2,597,424

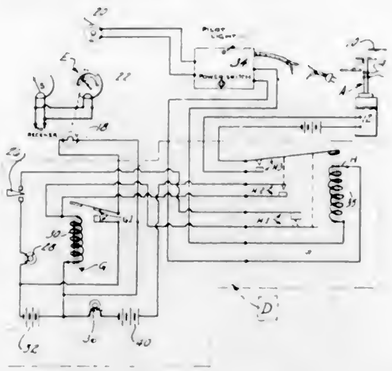
ANTENNA ORIENTATION CONTROL

John A. Znaidukas, Philadelphia, Pa., assignor of one-half to Thomas P. Welsh

Application November 15, 1949, Serial No. 127,309
1 Claim. (Cl. 343—100)

A device for controlling the position of a directional receiving antenna rotated by a motor, in response to the strength of the signal received by the antenna, comprising a meter actuated by said signal, a light source mounted on the meter, a photo-electric cell mounted on the meter opposite the light source, operating means for energizing the motor when the cell is illuminated by the light source, and means in said meter for blocking illumination of the cell at a pre-determined level of signal as read by the meter, including means for varying the signal

level at which the illumination of the cell is blocked, wherein said operating means include a relay having three pairs of contacts wherein the first pair of contacts is normally closed to complete the circuit to a pilot light, the second



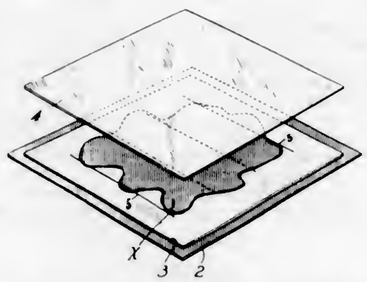
pair of contacts includes normally open contacts to keep the circuit to the meter lamp opened, and to close the circuit when the contacts are closed, and the third pair of contacts which are normally open to control the operating power to the antenna-rotating motor.

2,597,425

METHOD OF OPTICAL TESTING OF MATERIALS WITH A TRANSPARENT SCREEN

Mary E. Aiken and Mary J. Rummel, Pittsburgh, Pa., assignors to H. J. Heinz Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 23, 1948, Serial No. 34,578
4 Claims. (Cl. 88—14)



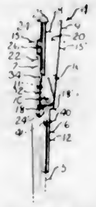
4. A method of testing food products of the character described, which comprises placing a measured quantity of the food product on a smooth transparent colorless plate and spreading it over the plate, pressing another similar smooth plate over the product so spread to squeeze it into a film to arrange contaminants therein in a visible flat position, placing the two plates with the film of product between them over an opaque plate the color of which is similar to the color of the product when viewed by reflected light, placing a film of clear transparent liquid between the colored base plate and the adjacent transparent plate, and counting the visible contaminants in a fixed area of a transparent plate.

2,597,426

INDEX TAB

Lee E. Auckley, Milwaukee, Wis.

Application January 2, 1947, Serial No. 719,708
6 Claims. (Cl. 40—23)



1. In an index tab of the type having flat jaws hingedly connected together for flatwise swinging motion toward and from one another and adapted to receive the marginal edge of a sheet between them: a relatively flat extension on each jaw providing a handle thereon; spaced substantially parallel shoulders on one of said handles, one of said shoulders being provided by an offset adjacent to the hinge connection between the jaws by which the handles are disposed in spaced apart relationship when the jaws are closed thereby enabling the jaws to be spread apart by convergence of the handles; a retaining plate having a pair of substantially parallel flanges engaged over said shoulders to detachably connect the plate with the handle, detachment of the plate requiring relative motion between the plate and the handle in a direction parallel to the length of the flanges; and cooperating means on the retaining plate and said handle for retaining a signal device on the tab between the plate and said handle with said signal device visible through an aperture in the plate.

2,597,427

PREVENTING THE DEVELOPMENT OF SOURNESS IN CERTAIN PETROLEUM LIQUIDS DURING DISTILLATION

George W. Ayers, Chicago, Marcellus J. Geerts, Evanston, and Robert E. Chandler, Algonquin, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application April 25, 1950, Serial No. 158,088
11 Claims. (Cl. 196—24)

1. In the method for preventing sourness in sweet products derived from petroleum hydrocarbons containing organic sulfur compounds during heating thereof to temperatures at which said compounds are converted into sour-producing compounds, the improvement comprising conducting said heating in the presence of a small amount of glycerine.

2,597,428

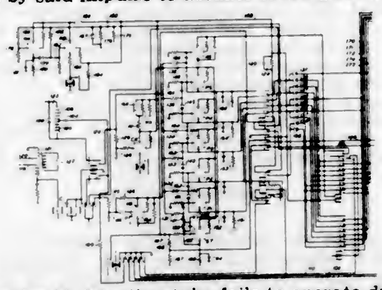
CHECKING MEANS FOR PULSE COUNTING CIRCUIT

Albert E. Bachelet, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application January 7, 1950, Serial No. 137,452. Divided and this application March 31, 1951, Serial No. 218,618
8 Claims. (Cl. 177—311)

1. In a signaling system, means for generating at least one impulse, a gas-filled detecting tube for detecting said impulse, a gas-filled check tube, means for applying said impulse to said detecting tube to operate said detecting tube,

delay means, means for applying said impulse simultaneously to said check tube through the agency of said delay means, signal means controlled by said check tube, said check tube operable by said impulse to actuate said signal means



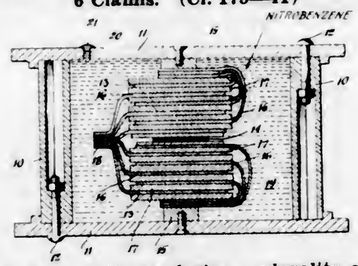
only if said detecting tube fails to operate during the delay period determined by said delay means, and means controlled by the operation of said detecting tube during said delay period to prevent the operation of said check tube at the end of said delay period.

2,597,429

CAPACITANCE DEVICE

William M. Bailey, Fairhaven, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware

Application January 24, 1946, Serial No. 643,165
6 Claims. (Cl. 175—41)



1. In a capacitance device, a plurality of electrodes separated by and in contact with a non-porous dielectric material, the surfaces of said electrodes which are free of contact with said material being in contact with a substance of dielectric constant greater than the dielectric constant of said non-porous dielectric material.

2,597,430

NITRIC ACID AND BISULFITE DIGESTION OF FIBROUS VEGETABLE MATERIAL

Gilbert Baudinière, Paris, France

No Drawing. Application July 30, 1947, Serial No. 764,929. In France December 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1963
3 Claims. (Cl. 92—9)

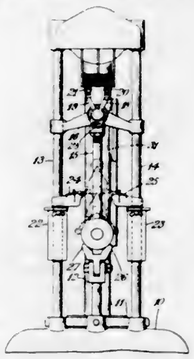
1. The method of treating a fibrous vegetable material which comprises wetting said material with a nitric acid aqueous solution of a concentration ranging from 8 to 20° Bé. at atmospheric pressure and at a temperature ranging from 60 to 80° C., draining off the acid solution not retained, either chemically or physically, by said vegetable material, adding a solution of a base of the group constituted by calcium and sodium bases to neutralize the nitric acid physically retained by the vegetable material, draining off the liquor, which contains in solution the nitrate thus formed and collecting it, and treating the remaining cellulosic material with an alkali bisulfite lye under pressure and temperature conditions suitable to remove incrustations.

2,597,431

LABELING MACHINE

Norman Beck, Southall, England, assignor to The Crown Cork Company Limited, Southall, England, a British company

Application September 8, 1950, Serial No. 183,886
In Great Britain September 5, 1949
3 Claims. (Cl. 216—55)



1. A labelling machine comprising in combination a suction arm, means for moving said arm from a stack of labels through a gumming device to a bottle or the like at a labelling station, a suction pad for said arm, a suction tube, a length of which reaches through the pad to provide the suction through apertures in the contact surface of the pad, which pad is rotatively adjustable about the longitudinal axis of the said tube length, means for clamping the pad on said tube length in any chosen setting, a stem carried on said tube, the longitudinal axis of which stem lies substantially at right angles to, but substantially in the same plane as, the longitudinal axis of the said length of tube, a socket provided by the suction arm, in which socket the stem is received to be rotatable about its longitudinal axis, and means for clamping the stem in any chosen relative setting in the socket.

2,597,432

ACETYL GLOBIN AND PROCESS OF PREPARATION

Herman N. Beniams, Berkeley, Calif., assignor to Cutter Laboratories, Berkeley, Calif., a corporation of California

No Drawing. Application January 12, 1951, Serial No. 205,827
6 Claims. (Cl. 260—112)

2. An acetyl globin soluble in water at a pH between pH 7.0 and pH 9.5 and which contains at least seven acetyl groups per globin molecule.

2,597,433

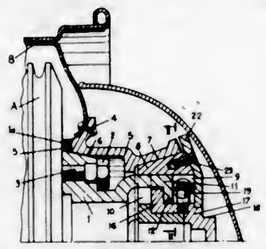
WHEEL MOUNTING DEVICE

Giovanni Bergonzo, Turin, Italy

Application October 12, 1950, Serial No. 189,717
In Italy October 13, 1949
2 Claims. (Cl. 301—9)

1. In combination, a rotating support provided with clutch teeth, a wheel coaxial with said sup-

port and provided with dog teeth complementary to the former, a circular set of flanged sectors fixedly connected with said support and coaxial therewith, a bush fixedly connected with the wheel and arranged in such manner as to surround said circular set of flanged sectors; a first annular member wedged within said bush, said annular member forming an annular chamber provided with bottom openings through which said flanged sectors on the support enter into said chamber, a second annular member rotatably arranged in said annular chamber and provided



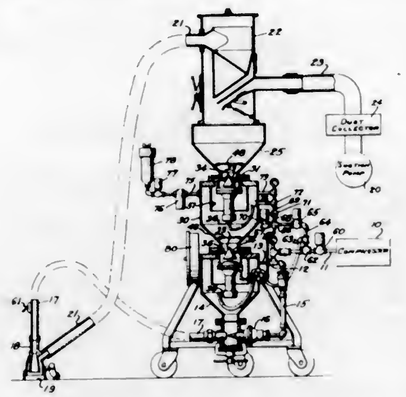
with flanged sectors adapted to become wedged between the first mentioned flanged sectors and the bottom of the annular chamber on rotation of said second annular member through an angle smaller than 360°, spring means arranged between said two annular members for automatically producing said rotation, means provided on said second annular member for rotating said member against the action of said spring means and a spring-pressed locking bolt for blocking said rotatable annular member with respect to said first annular member as said flanged sectors are in disengaged position.

2,597,434

SURFACE TREATING APPARATUS

Lewis H. Bishop and John S. Finn, Burlingame, Calif., assignors, by mesne assignments, to William H. Mead, Oakland, Calif.

Application December 27, 1948, Serial No. 67,462
11 Claims. (Cl. 51—12)



1. An apparatus for continuous abrasive-blasting, comprising a feed hopper for storing abrasive material, an air blast line, a feed valve for feeding said material into said line, an operating head where said material is impinged against a surface, a suction line for withdrawing said material and waste from said surface, a separator for salvaging said material out of said waste, a reclaimer hopper for receiving said withdrawn material, an intermediate hopper between said reclaimer hopper and said feed hopper, a first transfer valve between said reclaimer hopper and said intermediate hopper, a second transfer valve between said intermediate hopper and said feed hopper, a timing device, and an electrical relay operated by said timing device to alternately close said first valve and open said second valve and close said second valve and open said first valve.

2,597,435

DISPLAY AND STORAGE CABINET

Edvin F. Bjoro, Huntington, N. Y., assignor to The Spool Cotton Company, Newark, N. J., a corporation of New Jersey

Application September 4, 1946, Serial No. 694,735
2 Claims. (Cl. 312—234)



2. A combined storage and display cabinet comprising a rectangular box having an open top, said box having a plurality of fixed inclined supports extending transversely across the box from side to side thereof, said fixed supports being disposed one behind the other within the box from end to end thereof, said fixed supports each supporting a plurality of movable supports in side by side relation, each said movable support comprising a back having a shelf extending outwardly therefrom intermediate the ends of said back and dividing said movable support into upper and lower parts, said lower part forming a depository for storing packaged goods in a concealed position, said upper part forming a display portion for supporting and displaying said goods in unpackaged form, said shelf having a cut-out therein by which data carried by the packaged goods may be seen after the unpackaged goods have been removed from said display portion.

2,597,436

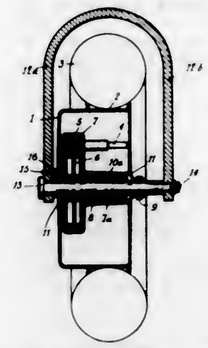
MOTOR CONTAINING WHEEL

Emile Bobard, Beaune, France

Original application March 15, 1945, Serial No. 582,881, now Patent No. 2,483,177, dated September 27, 1949. Divided and this application July 26, 1949, Serial No. 106,883. In France June 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 3, 1962
1 Claim. (Cl. 180—10)

A vehicle wheel comprising a rim, a wheel disc asymmetrically arranged with reference to the rolling plane of the rim, a hollow rotary shaft for the wheel, a gear wheel rigidly secured thereto and rigid with the wheel disc, a protective casing surrounding said gear wheel and integral with a tubular extension for said casing surrounding said hollow rotary shaft, a tubular hub for said hollow rotary shaft rigid with said tubular extension, bearing means between said hub and

rotary shaft, an axle member affixed to the vehicle frame and received within said tubular hub to facilitate mounting on said vehicle, and means fixed relative to the frame and preventing rota-



tion of said tubular hub, a driven shaft lying parallel with said rotary shaft and a pinion on said driven shaft drivingly engaging said gear wheel on said rotary shaft.

2,597,437

CATION-EXCHANGE POLYMERS OF THE CARBOXYLIC TYPE

George W. Bodamer, Cheltenham, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,091
6 Claims. (Cl. 260—83.5)

1. A process for preparing an opaque, infusible, proliferous polymer which forms an insoluble, impalpable suspension in water and is capable of exchanging cations, which process comprises proliferously copolymerizing, at a temperature from about 20° C. to about 80° C. in the substantially complete absence of oxygen and in the presence of a seed of a previously prepared proliferous polymer, a mixture of (*a*) a monomeric ester of acrylic acid and (*b*) a polyolefinic organic compound in which the olefinic linkages are in the acyclic portion of the molecule and are the reactive groups which enter into the copolymerization reaction, said mixture containing at least 70% acrylic acid, and then hydrolyzing the resultant proliferous copolymer by means of a solution of a strong base and thereafter isolating said opaque, infusible, proliferous polymer.

2,597,438

CATION-EXCHANGE POLYMERS OF THE SULFONIC TYPE

George W. Bodamer, Cheltenham, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,092
5 Claims. (Cl. 260—79.3)

1. A process for preparing solid, water-insoluble, cation-exchange resins which comprises proliferously polymerizing styrene at a temperature from about 20° C. to about 80° C. in the substantially complete absence of oxygen and in the presence of a seed of a previously prepared proliferous polymer, then sulfonating the resultant proliferous polymer, and thereafter isolating the resultant cation-exchange resin.

2,597,439

WEAKLY BASIC ANION-EXCHANGE POLYMERS

George W. Bodamer, Cheltenham, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,093
7 Claims. (Cl. 260—85.1)

1. A process for preparing solid, water-insoluble, anion-exchange resins which comprises proliferously polymerizing styrene at a temperature from about 20° C. to about 80° C. in the substantially complete absence of oxygen and in the presence of a seed of a previously prepared proliferous polymer, then chloromethylating the resultant proliferous polymer whereby chloromethyl groups are attached to the aromatic nuclei in an amount equal to at least one chloromethyl group for every fifteen aromatic nuclei in said proliferous polymer, reacting the resultant chloromethylated proliferous polymer with an amine from the class consisting of primary and secondary amines, and thereafter isolating the resultant anion-exchange resin.

2,597,440

STRONGLY BASIC ANION-EXCHANGE RESINS

George W. Bodamer, Cheltenham, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,094
7 Claims. (Cl. 260—85.1)

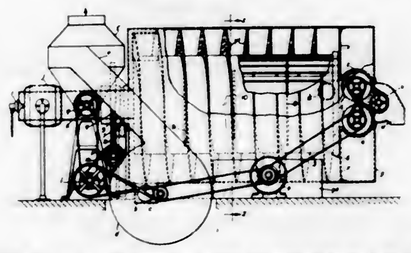
1. A process for preparing solid, water-insoluble, anion-exchange resins which comprises proliferously polymerizing styrene at a temperature from about 20° C. to about 80° C. in the substantially complete absence of oxygen and in the presence of a seed of a previously prepared proliferous polymer, then chloromethylating the resultant proliferous polymer whereby chloromethyl groups are attached to the aromatic nuclei in an amount equal to at least one chloromethyl group for every fifteen aromatic nuclei in said proliferous polymer, reacting the resultant chloromethylated proliferous polymer with a tertiary amine, and thereafter isolating the resultant anion-exchange resin.

2,597,441

GRASS AND OTHER AGRICULTURAL GREEN CROP DRYING PLANT

Edgar Wilfred Borrow, Cowplain, Portsmouth, England

Application April 18, 1949, Serial No. 88,088
In Great Britain April 21, 1948
6 Claims. (Cl. 34—57)



1. A plant for drying green cut crops or the like comprising an inner drum and an outer drum, said drums being coaxially arranged and having

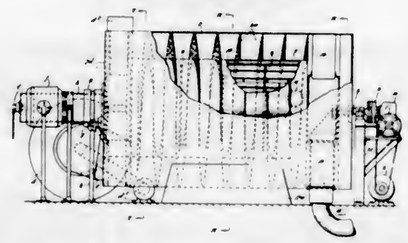
a space therebetween, means at one end of said drums for supplying hot drying gas to said inner drum and to the space between said drums, means at the other end of said outer drum for feeding the crop to be dried into the space between said drums, means for rotating said inner drum, means attached to the outside of said inner drum for moving the crop fed into said space through said space from said last mentioned end of said drums to said first mentioned end to partially dry said crop, means for sucking a current of hot air through said inner drum and means for feeding said partially dried crop into that current of hot air to complete the drying of said crop.

2,597,442

GRASS AND OTHER AGRICULTURAL GREEN CROP DRYING PLANT

Edgar Wilfred Borrow, Cowplain, Portsmouth, England

Application October 17, 1949, Serial No. 121,786
In Great Britain October 18, 1948
6 Claims. (Cl. 34—57)



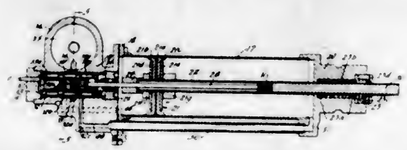
1. A plant for drying green cut crops or the like comprising an inner drum and an outer drum, said drums being coaxially arranged and having a space therebetween, means at one end of said drums for supplying hot drying gas to said inner drum and to the space between said drums, means at the other end of said outer drum for feeding the crop to be dried into the space between said drums, means for rotating said inner drum, means attached to the outside of said inner drum for moving the crop fed into said space through said space from said last mentioned end of said drums to said first mentioned end to partially dry said crop, means for sucking a current of hot air through said inner drum and a plurality of radially disposed ducts positioned at said first mentioned end of said inner drum for feeding said partially dried crop from the space between said drums into that current of hot air to complete the drying of said crop.

2,597,443

OSCILLATOR

Arthur E. Broughton, Glens Falls, N. Y.

Application August 6, 1949, Serial No. 108,908
6 Claims. (Cl. 121—164)



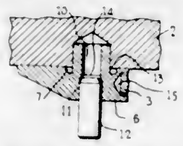
1. A reciprocating fluid motor comprising a cylinder, a double acting piston working within said cylinder, means for supplying and exhausting fluid to and from said cylinder at the two sides of said piston, a shiftable main valve controlling flow through said supplying and exhausting means to supply fluid to one side of said piston and exhaust fluid at the other side of said piston when said main valve is shifted to a first position and to supply fluid to the other side of said piston and exhaust fluid from said one side of the piston when said main valve is shifted to a second position, a rod having a lost motion connection with said piston to be actuated as the piston approaches the end of its stroke respectively in each direction, a valve actuator having a loose sliding connection with said main valve for actuating said main valve and having a loose sliding connection with said rod and means cooperating with said valve actuator to form therewith dashpots resisting the shifting movement of said main valve and thereby slowing down the movement of said piston as it approaches the end of each stroke.

2,597,444

RAIL BOND TERMINAL

Harold J. Brown, Johnstown, Pa., and Frederick C. Lavarack, Montclair, N. J.; said Lavarack assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York

Application January 21, 1948, Serial No. 3,513
1 Claim. (Cl. 287—20.3)



A rail bond terminal for affixing in a rail cavity of predetermined uniform diameter throughout and of a predetermined depth and formed with a conical end wall, said terminal formed of one piece comprising a body and a cylindrical stud, the cylindrical stud portion for insertion in a rail cavity, said body formed with a flat portion abuttable against a rail, said terminal further formed with an annular groove surrounding the stud whereby the stud is free from the body for the depth of the groove, said body and stud formed with a through aligned bore, said bore being of one diameter in the body of the terminal and of a less but uniform diameter through the stud, an expanding pin of the same diameter as and positioned in the bore of the body and said body formed with a portion for attachment of an electrical conductor.

2,597,445

N-ALKYLAMINO - METHYL - PHENYL - PROPANE AND METHOD OF PREPARING SAME

William F. Bruce, Havertown, Joseph Lester Szabo, Drexel Hill, and Samuel Tubis, Upper Darby, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 23, 1948, Serial No. 67,072
4 Claims. (Cl. 260—570.5)

1. As a new compound, 1-halo-2-(N-lower alkylamino)-2-methyl-1-phenyl propane wherein halo represents a halogen of the group consisting of chlorine, bromine and iodine.

3. The process comprising reacting 2-amino-2-methyl-1-phenyl-1-propanol with benzaldehyde, alkylating the product by reaction with a lower alkyl halide, then hydrolyzing the alkylated, halide reaction product under acid conditions with an aqueous solution of an organic, lower alkyl, carboxylic acid and a soluble salt of a weak organic acid selected from the group consisting of an alkali metal and alkaline earth metal salt, said salt acting as a halide-binding and buffering agent, and then halogenating the hydrolyzed product with a halogenating agent to form as the desired product 1-halo-2-(N-lower alkylamino-2-methyl-1-phenyl propane.

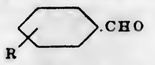
2,597,446

TERTIARY BUTYL SECONDARY AMINES AND METHOD FOR PREPARING THE SAME

William F. Bruce, Havertown, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application November 29, 1949, Serial No. 130,084
9 Claims. (Cl. 260—338)

1. The process of forming secondary amines comprising reacting isopropyl magnesium halide with a benzaldehyde of the formula



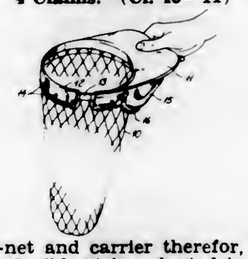
wherein R stands for a member of the group consisting of a methylenedioxy radical and from 1 to 2 lower alkoxy, halogen, nitro and sulfonic acid radicals, hydrolyzing the complex formed to obtain a secondary alcohol, solubilizing said secondary alcohol in a lower alkyl mono-carboxylic acid, cooling said mixture, reacting said secondary alcohol with hydrogen cyanide to form a formamide and then reducing said formamide with an alkaline metal hydride reducing agent to obtain the desired secondary amine.

2,597,447

FISH LANDING NET

Howard B. Bruns, San Francisco, Calif.

Application July 25, 1949, Serial No. 106,537
4 Claims. (Cl. 43—11)



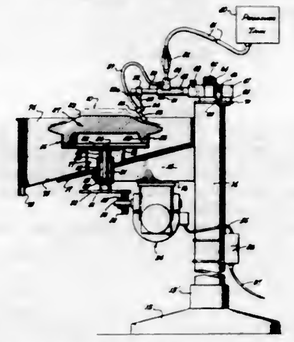
1. A dip-net and carrier therefor, comprising an annular flexible strip, adapted to fit a man's head, a non-rigid, elongated, bag-like net, said net being open at one end and closed at its other end and being connected at its open end to the strip, and a carrier for said net and strip, comprising a stiff, flat, visor-like member having a tubular band portion housing the strip, said member projecting radially from a portion of the periphery of the band to constitute a handle, a cover for the closed end of the net consisting of a dome shaped member of pliable fabric having a portion of its circumference permanently connected to the band portion adjacent the visor-like member and the remainder of its circumference separably connected to said tubular band, and a storage pocket for the free portion of the net carried on the inner surface of said cover.

2,597,448

METHOD OF MAKING DINNERWARE AND APPARATUS THEREFOR

Theodore E. Carothers, Arcadia, Calif., assignor to Gladding, McBean & Co., Los Angeles, Calif., a corporation of California

Application April 24, 1950, Serial No. 157,696
7 Claims. (Cl. 25—29)



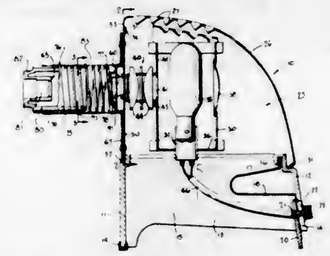
1. An apparatus for the manufacture of inlaid dinnerware, comprising: a standard provided with a bracket; a vertical bearing sleeve carried by the bracket; a shaft extending through the sleeve; means carried by the lower end of the shaft operable for driving the shaft; mold-engaging means carried by the upper end of the shaft; an arm assembly pivotally carried by the standard for horizontal movement in a plane above the level of a mold on said mold-engaging means; adjustable stop means for limiting the pivotal movement of the arm assembly; means for biasing the arm assembly against one stop means and away from the mold-engaging means; and valved conduit means carried by said arm assembly, said conduit means being arranged for connection with a source of clay slip.

2,597,449

SLIDE PROJECTOR WITH ROTATABLE SLIDE MOUNT

John D. Cassidy, Riverside, Conn., and Joseph David Marks, West Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware

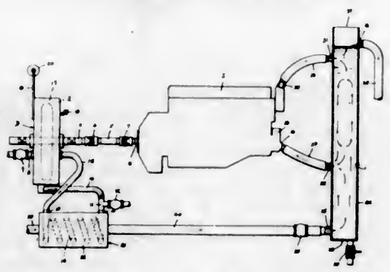
Application November 9, 1950, Serial No. 194,868
6 Claims. (Cl. 88—28)



1. A slide projector comprising, in combination, a base, a housing secured to said base, a light source and a light condenser mounted in said housing, a forward wall of said housing having an aperture aligned with said source and condenser, said wall being formed with spring fingers

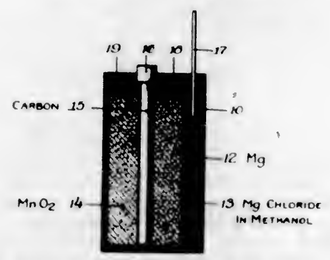
extending radially toward the wall aperture, a tubular slide mount having a radially projecting flange at one end engageable with the outer surface of said wall, said slide mount having a pair of diametrically aligned apertures for receiving a slide holder through which passes a slide, means securing said flange to said wall with the slide mount coaxial with the wall aperture, whereby said slide mount may be adjusted about its axis relative to said wall, and releasably interengageable means on said flange and said fingers operable to retain said mount in an adjusted position.

2,597,450
SERIES FLOW COOLING SYSTEM FOR DYNAMOMETERS AND ENGINES
Edwin L. Cline, Pasadena, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif., a corporation of California
Application October 1, 1946, Serial No. 700,469
16 Claims. (Cl. 73—116)



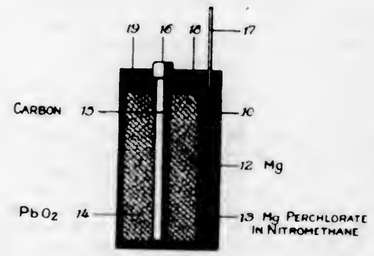
1. A cooling system for a liquid-cooled power absorption device adapted to contain power absorption liquid, and a liquid-cooled prime mover driving said power absorption device and being tested by said power absorption device, comprising: a liquid-cooled heat exchanger arranged to effect cooling of the liquid of said power absorption device; means for supplying liquid-coolant to said heat exchanger; and means connected in series with said heat exchanger utilizing the coolant discharged from said heat exchanger for effecting cooling of the prime mover undergoing test.

2,597,451
PRIMARY CELL
Joseph J. Coleman and Demetrios V. Louzos, Freeport, Ill., assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application November 20, 1948, Serial No. 61,244
5 Claims. (Cl. 136—100)



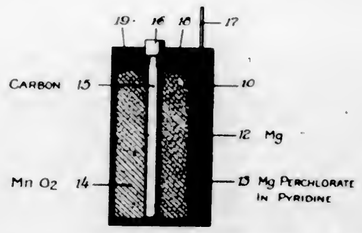
5. A primary cell comprising a positive electrode, a negative electrode from the group consisting of magnesium and calcium, and an electrolyte in contact with said electrodes comprising a substantially water-free solvent from the group consisting of the normal alcohols, methanol, ethanol, propanol, butanol and pentanol, and 1,2 ethanediol, said solvent containing dissolved therein a compound from the group consisting of the chlorides, nitrates and perchlorates of magnesium and the chlorides, nitrates and perchlorates of the metals which are electronegative with respect to magnesium.

2,597,452
PRIMARY CELL
Joseph J. Coleman and Demetrios V. Louzos, Freeport, Ill., assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application November 20, 1948, Serial No. 61,245
3 Claims. (Cl. 136—100)



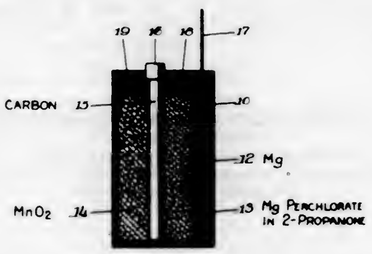
3. A primary cell comprising a positive electrode and a magnesium negative electrode, and an electrolyte in contact with said electrodes comprising a substantially water-free solvent from the group consisting of nitromethane and nitroethane containing magnesium perchlorate dissolved therein.

2,597,453
PRIMARY CELL
Joseph J. Coleman and Demetrios V. Louzos, Freeport, Ill., assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application November 20, 1948, Serial No. 61,246
3 Claims. (Cl. 136—100)



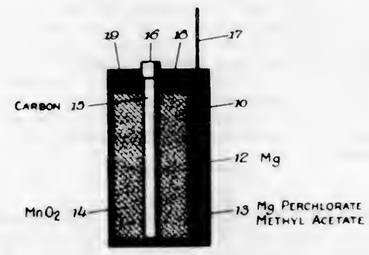
3. A primary cell comprising a positive electrode and a magnesium negative electrode, and an electrolyte in contact with said electrodes comprising a substantially water-free pyridine solvent containing dissolved therein a compound from the group consisting of the chloride, nitrate and perchlorate of magnesium.

2,597,454
PRIMARY CELL
Joseph J. Coleman and Demetrios V. Louzos, Freeport, Ill., assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application November 20, 1948, Serial No. 61,247
3 Claims. (Cl. 136—100)



3. A primary cell comprising a positive electrode and a magnesium negative electrode and an electrolyte in contact with said electrodes, said electrolyte comprising a substantially water-free 2-propanone solvent containing magnesium perchlorate dissolved therein.

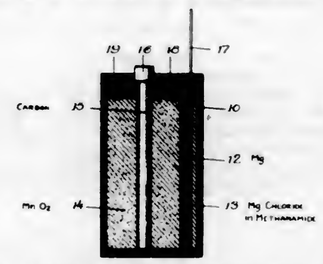
2,597,455
PRIMARY CELL
Joseph J. Coleman and Demetrios V. Louzos, Freeport, Ill., assignors, by mesne assignments, to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application November 20, 1948, Serial No. 61,248
3 Claims. (Cl. 136—100)



3. A primary cell comprising a positive electrode and a magnesium negative electrode, and an electrolyte in contact with said electrodes comprising a substantially water-free methyl acetate solvent containing magnesium perchlorate dissolved therein.

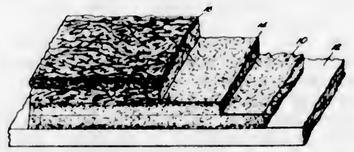
2,597,456
PRIMARY CELL
Joseph J. Coleman, Freeport, and Demetrios V. Louzos, Waukegan, Ill., assignors to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Original application November 20, 1948, Serial No. 61,244. Divided and this application October 20, 1951, Serial No. 252,324
4 Claims. (Cl. 136—100)

4. A primary cell comprising a positive electrode and a magnesium negative electrode, and an electrolyte in contact with said electrodes comprising a substantially water-free meth-



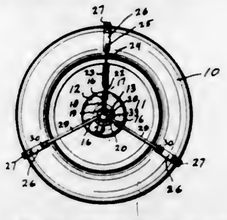
anamide solvent containing magnesium chloride dissolved therein.

2,597,457
POULTRY LITTER MATERIAL
Errol F. Cook, Marlboro, Mass., assignor to Allied Minerals, Inc., West Chelmsford, Mass., a corporation of Massachusetts
Application March 8, 1950, Serial No. 148,490
5 Claims. (Cl. 119—1)



1. An improved poultry litter of the "built-up" type consisting essentially of a plurality of layers of fibrous material superimposed one above another, each of said layers having incorporated in between and on the constituent fibers thereof finely divided $CaCO_3$, the said $CaCO_3$ occurring in a state of subdivision such that from 85% to 99.9% of a representative sample will pass through a 325-mesh screen and substantially all of the screened product is below 50 micron particle size.

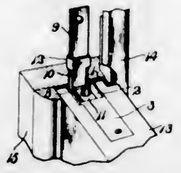
2,597,458
TIRE LUG CONSTRUCTION
Clyde G. Cummins, Sioux City, Iowa
Application August 15, 1949, Serial No. 110,351
1 Claim. (Cl. 152—225)



A tire lug device comprising a centrally positioned hub engaging member including a plurality of radially positioned legs extending therefrom, a centrally positioned member including radially positioned ears extending therefrom, a plurality of radially positioned bars pivotally attached to said ears, tire engaging lugs attached to said bars, means for tightening said lugs against a tire including a turn-buckle threadably engaged

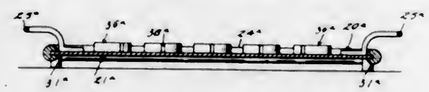
with one of said bars, said legs having upstanding ears for receiving said bars therebetween to prevent displacement thereof.

2,597,459
WINDOW BALANCE
Henry R. Dickinson and Michael N. Swierbut, Grand Rapids, Mich., assignors to Grand Rapids Hardware Company, Grand Rapids, Mich., a corporation of Michigan
Application April 11, 1949, Serial No. 86,742
4 Claims. (Cl. 16—197)



4. A window balance mounting comprising a vertical elongated support of a generally channel form, a horizontal shelf adjacent but short of each end of the support permanently secured thereto within the support, one of said shelves having a circular opening therethrough, and the other a non-circular opening therethrough, adapting said support and shelves to mount a spring actuated, spiral track window balance within the channel support and between said shelves, said balance having a spring tensioning member at one end, having a non-circular stem extending through said non-circular opening in one shelf movable to disengage from the shelf, and having an actuating member adapted to engage with said spiral track having a vertically located portion adapted to be secured to a window frame side and located at the open vertical side of said support, and a holding member for detachable connection to said vertically located portion of said actuating member and having a part extending into said channel support between the sides thereof to hold the actuating member from movement when unattached to a window frame to maintain the balance under preselected spring tension.

2,597,460
SERVING AND UTILITY TRAY
Joseph R. Eberhardt, St. Louis, Mo.
Application December 1, 1947, Serial No. 789,003
2 Claims. (Cl. 65—53)

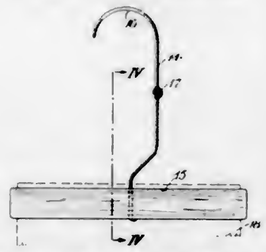


1. An improved serving tray comprising a flat base, a raised continuous bead having an arcuate outer surface extending around said base on the outer edge thereof and extending above and below said flat base, tray supporting handles secured to the upper side of said flat base inwardly of said bead and extending upwardly above and outwardly beyond said bead, and a plurality of split sleeve article-clasping members having the free edges thereof urged toward each other and each having a portion thereof spaced from the split secured to the upper side of said flat base.

2,597,461
LEAD BASE ALLOY
James F. Ednie, Bellevue, Pa., assignor to The American Metal Company, Ltd., New York, N. Y., a corporation of New York
No Drawing. Application August 19, 1947, Serial No. 769,519
1 Claim. (Cl. 75—166)

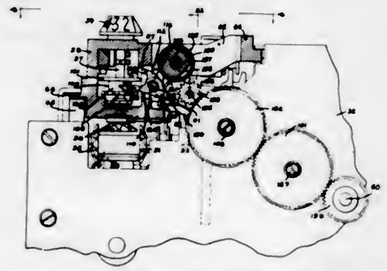
A lead base alloy composed of about 12 per cent of tin, about 9.75 per cent of antimony, about 0.1 per cent of manganese, about 0.1 per cent of iron, and the balance of lead.

2,597,462
METHOD AND MEANS OF GARMENT SUSPENSION
Sylvan Eisenberg, Belmont, Calif.
Application November 29, 1948, Serial No. 62,533
2 Claims. (Cl. 223—96)



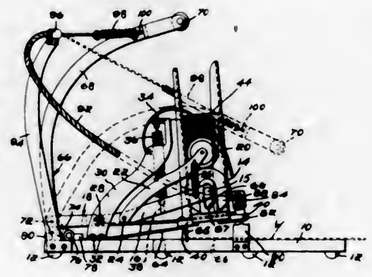
1. A garment hanger of the character described, comprising co-operable jaws for gripping a skirt or the like, a suspension element and handle in the form of a continuous length of resilient wire or rod bent into a generally U-shape having a base and generally parallel legs, said element being bent adjacent its base to form a hook, being also bent adjacent its opposite end and fixed at said end to said jaws, said suspension element acting to urge said jaws to open position, and a spring slidably attached at its opposite ends to said legs, extending therebetween and slidable therealong to exert a resilient closing force on said legs which diminishes as said spring means is moved along said legs away from said jaws.

2,597,463
AUXILIARY TENS-TRANSFER MECHANISM
Grant C. Ellerbeck, San Leandro, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application June 29, 1951, Serial No. 234,199
8 Claims. (Cl. 235—137)



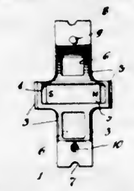
7. In a calculating machine having a frame, a carriage mounted for endwise shifting movement on said frame, a plurality of ordinally arranged register wheel shafts journalled in said carriage, a register wheel mounted on each such shaft, certain of said shafts and wheels lying inboard of said frame and others of said shafts and wheels lying outboard thereof when the carriage is in its end position, and a main transfer mechanism situated within said frame for effecting transfers in the inboard register wheels, an auxiliary transfer mechanism mounted in said carriage for effecting transfers in the outboard register wheels comprising a plate mounted on the highest inboard order shaft, a stud mounted on said plate, a transfer gear, plate and stud assembly mounted on each of the outboard register wheels, a series of slidable and rockable interponents mounted in said carriage positionable in an aligned position wherein it engages the gear of the next higher order and is engageable by the stud of the next lower order and in a nonaligned position wherein it lies out of the planes of said gear and stud, means for rocking said interponents into alignment with their respective gears and studs, means including a compound cam operative to rock said interponents out of alignment with their respective gears and studs and also to centralize said interponents in an ordinally intermediate position during a major portion of an operation cycle and to rock said interponent into alignment with their respective gears and studs and to release said interponent for shifting in either ordinal direction during another portion of an operation cycle, means for driving said cam in synchronism with said main transfer mechanism, and means for rocking said connecting members out of alignment with their respective studs and gears as said members are shifted inboard by movement of said carriage.

2,597,464
STENCIL PRINTING MACHINE
Harmon P. Elliott, Watertown, Mass.
Application February 26, 1949, Serial No. 78,509
5 Claims. (Cl. 101—48)



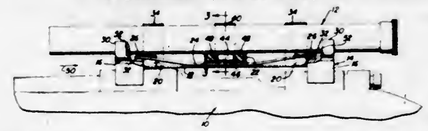
1. In a printing apparatus, a platen, a pair of rails mounted above the platen and constituting a track along which printing devices may be moved in succession to and through a printing position, means for holding a stack of printing devices to one side of the printing position with the lowermost printing device of the stack resting on said rails, a printing roll above the platen at said printing position, means for moving the printing roll toward and away from said platen, a slide member movable along said rails and having an abutment thereon for engaging back of an edge of the lowermost printing device in said stack of printing devices when moved in one direction along said rails, a flexible element connected to said slide member and to said means for moving the printing roll whereby a movement of the printing roll toward said platen effects a movement of said slide member in direction to engage its said abutment back of an edge of the lowermost printing device in said stack, and resilient means constantly biasing said slide member in the opposite direction along said rails for moving said slide member and an engaged lowermost stencil in the said stack toward said printing position simultaneously with any movement of said printing roll away from said platen.

2,597,465
BEAM DEFLECTOR FOR CATHODE-RAY TUBES
Milton Emmer and James Edward Henschel, Brooklyn, N. Y.
Application March 23, 1951, Serial No. 217,142
13 Claims. (Cl. 313—75)



1. A beam deflector for a cathode ray tube, comprising an annulus formed by a plurality of segments having interfitting end portions and adapted to encircle the neck of a cathode ray tube, a yieldable tension band encircling said segments to retain them frictionally in place on said tube neck, and a permanent magnet carried by one of said segments.

2,597,466
TELESCOPE SIGHT MOUNT
Thomas R. Felix, Meriden, Conn.
Application January 23, 1950, Serial No. 140,037
6 Claims. (Cl. 33—50)



1. Means for mounting a telescopic sight comprising support means adapted to be mounted on a rifle for supporting a telescopic sight, latch means adapted to be carried by a telescope sight for locking engagement with said support means, said support means including a pair of members spaced along a longitudinal axis, and means responsive to relative rotation of the latch means and the support means for actuating the latch means, said latch means including a longitudinally extending spring having a free end, one of said members having a recess receiving the free end of the spring to resist relative rotation of the spring and said one member, said responsive means including said one member having a cam surface slidably engaging the spring during relative rotation of the spring and said one member, and an elongated body secured to the spring for rotation therewith, said body being slidably received between the members and having its opposite ends abutting the members when the free end of the spring is received in the recess.

2,597,467

PRODUCTION OF SYNTHETIC RESINS

James Wotherspoon Fisher and Edward William Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 3, 1948, Serial No. 37,088. In Great Britain July 22, 1947
24 Claims. (Cl. 260—39)

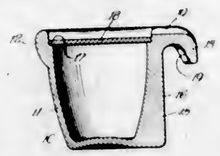
1. A process for the production of synthetic resins, which comprises heating a mixture of at most three reactants, each of which can undergo reaction with one of the others, of which one must be formaldehyde and another must be a hydrazide of an acid containing two carboxyl groups as the only non-hydrocarbon substituent groups, both carboxyl groups being combined with hydrazine, and the third being a compound capable of forming a resinous product by condensation with formaldehyde.

2,597,468

SUPPLEMENTARY CONTAINER ADAPTED FOR SUPPORT ON THE UPPER EDGES OF PRINCIPAL CONTAINERS

Goldie Ruth Garrett, Tulsa, Okla.

Application June 28, 1949, Serial No. 101,695
5 Claims. (Cl. 222—117)



3. A supplementary container comprising a cup-shaped body portion, hook-shaped means extending outwardly from said body portion adjacent the upper edge thereof for engaging the upper edge of a principal container, and a positioning rib extending outwardly from a wall of said body portion beneath said hook-shaped means and having a substantially flat vertical surface for engaging the exterior surface of said principal container, said hook-shaped means and said rib cooperating to support said supplementary container in upright position, said hook-shaped means having a pouring groove in the upper surface thereof extending from the interior of said body portion, and said body portion having a closure-cap-receiving groove extending around the interior wall thereof at a level below said pouring groove.

2,597,469

PROCESS FOR PRODUCING ARTIFICIAL CERAMIC TEETH

Konrad Gatzka, Sprendlingen/Kreis Offenbach, Germany, assignor to Zahnfabrik Wienand Soehne und Co., G. m. b. H., Sprendlingen, Germany, a corporation of Germany

No Drawing. Application September 10, 1949, Serial No. 115,107. In Switzerland May 19, 1949
22 Claims. (Cl. 25—156)

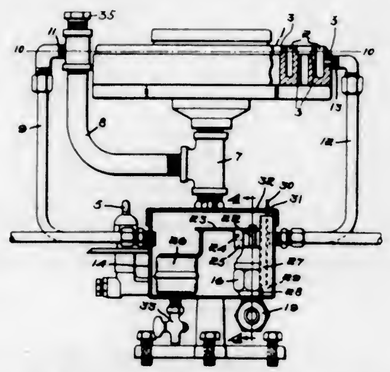
1. A process for producing an artificial ceramic tooth substantially free from bubbles and having translucency resembling that of natural teeth, said process comprising the steps of pre-forming ceramic particles into a raw tooth having a predetermined shape, placing said pre-formed raw tooth within a furnace compartment in a substantially freely exposed condition, surrounding said raw tooth with an atmosphere within said compartment conducive to the withdrawal of substantially all bubble forming gases from said tooth, and while said raw tooth is surrounded by said atmosphere subjecting it to a temperature sufficient to fuse together the particles thereof into a homogeneous and dense artificial ceramic tooth substantially free from bubbles and having approximately the translucency of a natural tooth and the shape of the raw tooth except for a uniform pre-determined shrinkage, said fused tooth when glazed being grindable to change the shape thereof and such ground surface being favorably comparable in surface smoothness to the glazed surface of said tooth.

2,597,470

OVERFLOW CUTOFF SAFETY DEVICE FOR OIL BURNERS

Joseph F. Giardino, Brockton, Mass.

Application August 5, 1949, Serial No. 108,690
1 Claim. (Cl. 158—42.3)



In a safety device for oil burners, the combination with an oil burner having a burner channel, of a supply pipe for supplying said burner with oil, an overflow chamber below the burner channel, an overflow pipe leading into the overflow chamber and having its inlet end at a level above the bottom but below the top of the burner channel, a pipe connection between the supply pipe and the inlet end of the overflow pipe whereby oil being supplied to the burner channel will be diverted to said overflow pipe whenever the oil level in the burner chamber reaches the level of the inlet end of said overflow pipe, a shut off valve device in said overflow chamber, said valve device comprising a valve body having a valve chamber, a portion of the valve body projecting through the bottom of the overflow chamber and having an inlet port leading to said valve chamber, means located below the overflow chamber and connected to the projecting portion of the valve body to deliver oil to the inlet port, said supply pipe having a portion extending into the overflow chamber and connected to the valve body and communicating with said valve chamber, a vertically movable valve element in the valve chamber which closes the inlet port on its downward movement, a float in said overflow chamber, a pivotally mounted lever connected at one end to the float and at the other end to the valve element, whereby raising movement of the float due to an accumulation of oil in the overflow chamber will depress the valve element and close said inlet port.

2,597,471

EQUILENIN-3-MONOSULFATE AND ALKALINE SALTS THEREOF

Gordon A. Grant, Montreal, Quebec, and William L. Glen, Baie d'Urfe, Quebec, Canada, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada, a corporation of Canada

No Drawing. Application July 20, 1948, Serial No. 39,819
8 Claims. (Cl. 260—239.5)

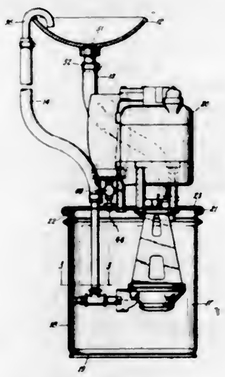
1. A new compound selected from the group consisting of equilenin 3 monosulphate and the alkaline salts thereof.

2,597,472

PROCESS AND APPARATUS FOR MAINTAINING THE VISCOSITY OF INK THROUGH CIRCULATION

John De Witt Gray, Evanston, Ill., assignor, by mesne assignments, to Gray-Mills Corporation, Evanston, Ill., a corporation of Illinois

Application February 15, 1946, Serial No. 647,746
6 Claims. (Cl. 259—95)



1. A system for circulating an ink solution containing a volatile solvent through an ink reservoir open to the air which comprises a container for ink solution, a pump associated with the container for circulating the ink solution, a pump actuating means, means for flowing the solution continuously between the reservoir and the container, and a solvent tank having an outlet leading into the container with a valve thereon for continuously introducing a solvent for the ink solution into the container.

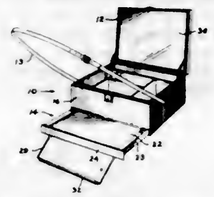
2,597,473

COMBINED VANITY OR MAKE-UP CASE AND SUPPORT THEREFOR

Hortense B. Green, White Plains, and Sylvia B. Gaines, Larchmont, N. Y.

Application August 14, 1950, Serial No. 179,286
10 Claims. (Cl. 132—79)

1. A make-up case comprising a normally closed box having an openable cover and forming a container for make-up articles, means extending from said box for supporting the latter from an upper part of a user's body and further means extensible from the box to engage a lower part of the user's body and thus space the box in front thereof in a position making the contents of the container accessible to the user's hands when the cover is open, and a mirror carried by said box positionable by the open cover



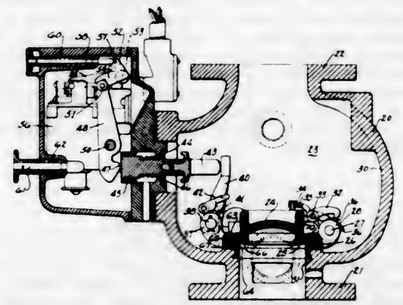
so that the user can observe a make-up operation when the box is in said position.

2,597,474

DRY PIPE VALVE

William B. Griffith, Stone Harbor, N. J.

Application September 23, 1948, Serial No. 50,838
1 Claim. (Cl. 251—167)



A valve seat holder of generally annular form having in its inner edge a relatively deep recess and an adjoining relatively shallow recess, a valve seat ring of elastic material having an annular body in the relatively deep recess, said body provided with a recess in its inner edge, and said seat ring having a valve seat portion extending radially inwardly from the body inside of the holder and having a skirt portion extending axially from the body on the side of the valve seat portion remote from the recess in the valve seat ring and occupying the shallow recess and a retaining ring in the interior recess of the body.

2,597,475

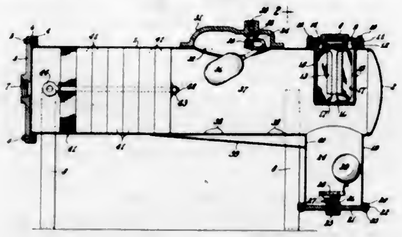
SEPARATOR FOR REMOVING WATER FROM GASOLINE

Alfred L. Grisé, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

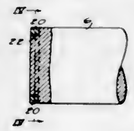
Application March 9, 1949, Serial No. 80,437
2 Claims. (Cl. 210—54)

1. A water separator, adapted to be inserted in a gasoline pipe line and comprising, a tank having a hollow cylindrical member with its axis horizontally disposed and having heads closing opposite ends of said member, one of said heads being easily removable, said tank having an inlet and an outlet near opposite ends thereof for connection to said line, said cylindrical member having a portion of substantial length and uniform diameter, and a series comprising a plurality of cylindrical rolls of fabric formed of fine metal wires and mounted in said portion one after an-

other with the adjacent end faces of successive rolls in abutment and their peripheries closely fitting the peripheral wall of said portion, each roll composed of a fabric strip of a width equal to the length of the roll, such strip being rolled up to a diameter such as to closely fit said portion and having adjacent convolutions interlocked and intertangled and presenting a compacted mass of metal with manifold tortuous interstices, said tank having in its bottom at a location beyond the last roll of said series in the direction of flow through said tank an outlet for water, the portion of said tank between the removable head and the first roll of the series having a diameter at least as great as that of the rolls and being unobstructed to enable facile removal of the rolls.



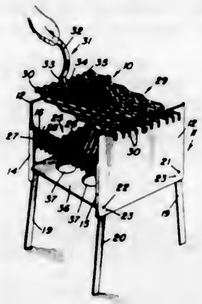
2,597,476
ELECTROMAGNET
Jacob Goldman, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 24, 1948, Serial No. 16,741
10 Claims. (Cl. 175—21)



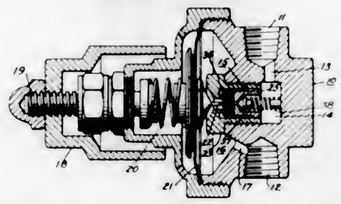
10. An electromagnet comprising a core of magnetic material having a pole provided with a recessed edge extending around the entire face of the pole, and a member of magnetic material having sufficiently higher saturation flux density than that of said core and pole material disposed in and filling said recess that substantially uniform flux density may be maintained across said pole face.

2,597,477
COLLAPSIBLE CAMP STOVE
Albert S. Haislip, Fredericksburg, Va.
Application October 25, 1948, Serial No. 56,406
6 Claims. (Cl. 126—25)

1. As a new article of manufacture and a component of a folding-type camp stove as herein shown and described, a flat rectangular panel, said panel being substantially imperforate and provided on opposite vertical edges with hollow beads, the latter serving as abutments as well as keepers, stay links having laterally bent ends serving as hooks, said hooks being hingedly mounted in the respective upper ends of said beads, said links being foldable against said panel between said beads, and a pair of duplicate legs hingedly connected with said panel, said legs, when not in use also folding to out-of-the-way positions against the panel, and, when in use, resting in contact with adjacent respective beads, the latter limiting the downward and outward swing of the legs, and said panel having detents for the respective legs adapted to assist in maintaining the legs in erected stove supporting positions.

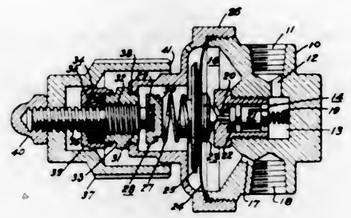


2,597,478
REGULATOR VALVE
George L. Hammon, Berkeley, Calif., assignor to National Welding Equipment Co., San Francisco, Calif., a corporation of California
Application March 11, 1947, Serial No. 733,924
2 Claims. (Cl. 50—23)



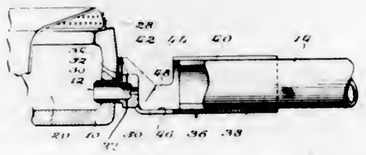
1. In a valve regulator of the type having a body portion and a diaphragm supported by said body portion, a spring opposing said diaphragm, a chamber formed by said body portion and said diaphragm opposite said spring, and a valve actuator movable with said diaphragm, the combination of a cylindrical member mounted in said body portion and projecting into said chamber and having an opening communicating with said chamber and surrounded by a valve seat through which opening said actuator extends to open the valve to pass gas into said chamber, a piston member slidable in said cylindrical member spring means yieldably holding said piston member against said seat, said piston member having a recess in each end thereof, the recess on its end adjacent said seat having a packing held therein by crimping over the end of the wall forming the recess, the wall forming the recess on the other end of the piston having a plurality of narrow, open-end slits extending in from said other end to give radial resiliency to said wall portions, and a plurality of short bearing edges circumferentially spaced around each end of said piston with clearance between said bearing edges for the passage of gas into said chamber, said bearing edges on the slit end of said piston being located on at least a plurality of said slit wall portions.

2,597,479
REGULATOR ADJUSTING MECHANISM
George L. Hammon, Berkeley, Calif., assignor to National Welding Equipment Co., San Francisco, Calif., a corporation of California
Application March 11, 1947, Serial No. 733,927
3 Claims. (Cl. 50—23)



1. A pressure regulating gas valve comprising a diaphragm, an adjusting screw, and spring means between said screw and said diaphragm for regulating the entry of gas, a bearing rigid member on the end of said spring and a member of non-metallic material having leather-like qualities supported thereon and engaged by the end of said adjusting screw.

2,597,480
GAS BURNER JET FLASH TUBE AND CONNECTOR
Philip S. Harper, Chicago, Ill., assignor to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois
Application June 1, 1946, Serial No. 673,849
6 Claims. (Cl. 158—115)



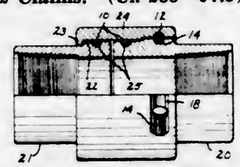
1. Gas burner lighting apparatus including a lighter jet fixedly secured to the burner and comprising structure extending outwardly from the main portion of the burner at the level of the burner and having an upwardly extending abutment at its top side close to but spaced from the burner and spaced apart parallel vertically disposed sides, and flash tube defining structure extending outwardly from the burner at the level of the jet and including a transversely extending end portion having a thickness approximately equal to the space between the abutment and burner, and opposed surfaces disposed in vertical planes spaced apart approximately the same distance as the sides of the jet, said transversely extending portion being detachably seated upon the upper side of the jet in the space between the abutment and burner and said surfaces engaging the sides of said jet, whereby said tube defining structure is held against axial movement by said abutment and is non-rotatably positioned by the sides of the jet, and said structure being removable by lifting it so as to remove said transverse portion from behind said abutment.

2,597,481
DRIVE AXLE MOUNTING FOR MAINTAINING DRIVE SHAFT ALIGNMENT
George D. Harrah, Canton, Ohio, assignor to The Oyler Motor Transit Company, Canton, Ohio, a corporation of Ohio
Application May 18, 1948, Serial No. 27,688
2 Claims. (Cl. 180—22)



1. In combination, a vehicle chassis, a bogie pivoted to said chassis, a driven-axle housing pivoted at its upper portion on said bogie remote from the axis of pivoting of said bogie on said chassis, whereby to be swingable through an arc to and from said chassis, a bell crank on said bogie, a first link, one end of said first link being pivotally connected to one arm of said bell crank and the other end of said first link being pivotally connected to said chassis, and a second link, one end of said second link being pivotally connected to the other arm of said bell crank and the other end of said second link being pivotally connected to a lower portion of said axle housing.

2,597,482
JOINT
Harry W. Harrison and Ross Bassinger, Houston, Tex.
Application February 23, 1946, Serial No. 649,680
2 Claims. (Cl. 285—97.3)



1. A joint comprising a member having an enlarged end portion and an outwardly facing shoulder thereon, a sleeve slidable over said enlarged end to extend therebeyond and having a flange engageable with said shoulder, a second member entering the outwardly extending portion of said sleeve and having its end in abutting relation with the end of the first mentioned member, opposed grooves in said sleeve and said second member forming an annular passage therebetween, and a lock member filling said passage whereby the sleeve and members are mutually restrained from relative axial movement.

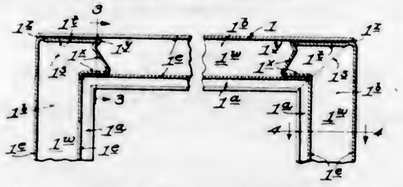
2,597,483
NIPPLE VALVE CONSTRUCTION
Sidney G. Head, Sr., Los Angeles, Calif., assignor to Joseph Steli, Los Angeles, Calif.
Application October 19, 1949, Serial No. 122,314
1 Claim. (Cl. 251—127)



A one-way check valve device for baby feeding bottles comprising a disc of thin, flat, smooth, and inflexible metal, having a concentric round

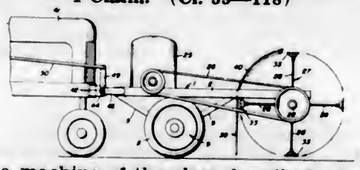
opening therein and being further formed with radial fluid passages having open communication with the concentric opening, a rivet-like metal valve element including a dome-shaped head with a flat undersurface corresponding with and adapted to lie flush against an adjacent flat surface of said disc of material in a closed position of the valve, a cylindrical stem coaxial with said head extending from said flat underside thereof and slidably disposed within said central opening, the end of said stem opposite from said head being upset to prevent axial removal of said stem from said central opening, said radially extending passageways extending outwardly from the center opening a predetermined distance and defining inwardly directed fingers having arcuate inner ends defining said central opening and defining guides for said stem, said head being of a sufficient diameter to extend over and close said central opening and the radially communicating passageways thereof.

2,597,484
SCREEN OR STORM WINDOW
John K. Heilig, York, Pa.
Original application December 28, 1950, Serial No. 203,137. Divided and this application October 15, 1951, Serial No. 251,258
5 Claims. (Cl. 160—381)



1. A jointed closure frame comprising frame members having mitered ends which abut at the joints, each member having an angular cross section and including side portions defining a longitudinal channel, and the side portions of one member at each joint being offset outwardly from the miter to provide a connecting male extension receivable longitudinally in the adjacent end of the other member.

2,597,485
WEED DESTROYING MACHINE
Laurence D. Hillyer, Alice, Tex.
Application March 8, 1949, Serial No. 80,252
1 Claim. (Cl. 55—118)



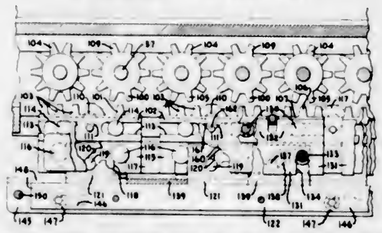
In a machine of the class described, a revolving assembly of beater and lacerating weed severing devices comprising a reel rotatably mounted in horizontal position, cables having inner ends attached to said reel in circumferentially and longitudinally spaced position relative to the same, flared plugs on the outer ends of said cables, flared polygonal bushings wedged onto said plugs, and impact disks with cutting edges and having internally flared hubs wedged onto said flared bushings and polygonal to prevent the hubs from turning on said bushings, said flared bushings tending to be wedged tight on said plugs and said flared hubs tending to be wedged tight on said flared bushings under the action of centrifugal force when the beater assembly is revolved, said bushings extending through and outwardly of said hubs and having the smaller ends thereof fitting around said cables at a point remote from said plugs.

2,597,486
AUTOMATIC GOVERNOR ATTACHMENT FOR FISHING REELS
Chester L. Hockney, Silverlake, Wis.
Application September 29, 1950, Serial No. 187,607
2 Claims. (Cl. 242—84.5)



1. A governor attachment for connection to a rotary fishing reel including a reel frame plate carrying a crankshaft bearing, a crankshaft rotatably journaled within said bearing and having one end projecting exteriorly of the latter, and a crank positioned transversely of said crankshaft and secured to said one end thereof, said attachment comprising a plate adapted to be secured on said crankshaft contiguous to and exteriorly of said crank, and means including opposed brake arms disposed between said reel frame plate and said crank and each pivotally connected intermediate its ends to said plate, one end portion of each arm being adapted for engagement with said crankshaft bearing and the other end portion of each arm being weighted and engageable with the adjacent portion of said crank for applying a braking force to said rotary fishing reel by a centrifugal action to thereby prevent backlash of said fishing reel.

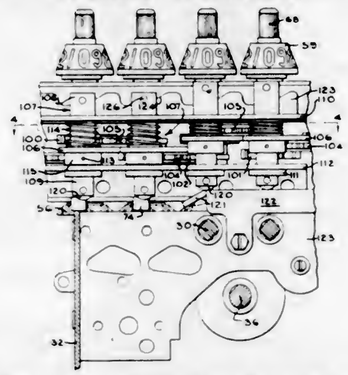
2,597,487
AUXILIARY TENS-TRANSFER MECHANISM
George W. Hopkins, San Leandro, and Jon E. Grobl, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc., a corporation of California
Application April 19, 1949, Serial No. 88,442
13 Claims. (Cl. 235—133)



1. In a cyclically operable calculating machine having a frame, a carriage mounted for endwise shifting movement on said frame, and a plurality of ordinally arranged register wheels journalled in said carriage, certain of said wheels lying inboard of said frame and others of said wheels lying outboard thereof when said carriage is in its end position, the combination of a main transfer mechanism situated within said frame for effecting transfers in the inboard register wheels; and an auxiliary transfer mechanism mounted on said carriage for effecting transfers

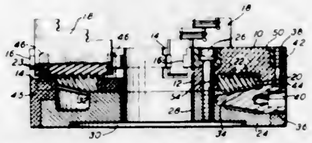
in the outboard register wheels, said last-named mechanism comprising a transfer tooth connected for movement with the highest order inboard wheel, a transfer gear and a transfer tooth connected for movement with each of the outboard register wheels, a series of drive-transmitting racks associated respectively with each of said transfer teeth and the transfer gear in the next higher order of the register, means mounting each of said racks for sliding movement selectively to a normal ineffective position in which said rack is incapable of meshing with the associated transfer tooth and transfer gear irrespective of the values standing in said register, and to an effective position in which said rack is meshed with the associated transfer gear and is conditioned to be engaged by the associated transfer tooth when a transfer from the lower order to the higher order is called for by a value-entering operation, whereby power available from movement of the register wheel in said lower order will act through said rack to effect transferring movement of the next higher order register wheel, and means for sliding those of said racks which are associated with outboard register wheels from ineffective to effective positions.

2,597,488
AUXILIARY TENS-TRANSFER CONTROL MECHANISM
George W. Hopkins, San Leandro, and Jon E. Grobl, Oakland, Calif., assignors to Friden Calculating Machine Co., Inc., a corporation of California
Application April 21, 1949, Serial No. 88,744
19 Claims. (Cl. 235—133)



1. In a calculating machine having a frame, a carriage mounted for endwise shifting movement on said frame, a plurality of ordinally arranged register wheels journalled in said carriage, certain of said wheels lying inboard of said frame and others of said wheels lying outboard thereof when said carriage is in its end position, and means for resetting said register wheels to zero including a member mounted for movement on said carriage incident to a resetting operation, the combination of a main transfer mechanism situated within said frame for effecting transfers in the inboard register wheels; an auxiliary transfer mechanism mounted on said carriage for effecting transfers in the outboard register wheels, said last-named mechanism comprising a transfer tooth connected for movement with the highest order inboard wheel, a transfer gear and a transfer tooth connected for movement with each of the outboard register wheels, and a series of coupling gears for operatively connecting each transfer tooth with the transfer gear in the next higher order of the register so as to enable the transfer of a unit from one order to the next to be effected through the entire array of register wheels; means operable when the carriage is moved from its end position for preventing operation of one of said transfer mechanism with respect to register wheels moved inboard of said frame by such movement of the carriage; and means operable by said member during a resetting operation for disabling said series of coupling gears to prevent their connecting said transfer teeth with the transfer gears in adjacent orders.

2,597,489
BODY FOR A CHUCK HAVING RADIALLY MOVABLE JAWS
Donald B. Huntting, West Hartford, Conn., assignor to The E. Horton & Son Company, Windsor Locks, Conn., a corporation of Connecticut
Application February 10, 1949, Serial No. 75,617
19 Claims. (Cl. 279—114)



3. A generally cylindrical body for a chuck having radially movable jaws which body comprises in combination, a jaw engaging structure having an exposed face at the front and having its major portion formed of a hard relatively heavy metal and provided at edge faces thereof with a plurality of pairs of oppositely disposed complemental guideways for the respective jaws which guideways are generally radial and have their outer ends at the periphery of the body, the said jaw engaging structure also including anchoring studs which are connected with the said major portion thereof and which project from faces of the said major portion other than the front face and other than the guideway faces and which have surfaces arranged for interlocking, and a main member formed of a metal lighter than that of the said major portion of the jaw engaging structure and cast in place around the interlocking surfaces of the anchoring studs to provide permanent interlocking connection with the jaw engaging structure so that the said structure and the said main member are permanently held in fixed relationship with each other.

2,597,490
APPARATUS FOR TREATING TEXTILE MATERIALS
Alpheus O. Hurxthal, Wyncote, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application August 19, 1948, Serial No. 45,183
9 Claims. (Cl. 34—157)



1. In an apparatus for relaxed drying of textile fabrics, a conveyor comprising successive basket loops of foraminous material movable through a horizontal run, said basket loops being of relatively narrow loop width and of substantially

greater loop depth, means for driving said conveyor at a predetermined speed, means for feeding the fabric to the conveyor at one end of said run at a rate sufficiently greater than the speed of said conveyor to enable deposition of the fabric loosely in said basket loops, air jet means arranged at the feed end of said conveyor run to effect the aforementioned deposition of the fabric, whereby the fabric is carried by the conveyor in a series of loops devoid of tension, and means for impinging air on the looped fabric as it is carried through said horizontal run.

2,597,491

ANION-EXCHANGE RESINS

Jesse C. H. Hwa, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,095
10 Claims. (Cl. 260—63)

1. A process for the preparation of anion-exchange resins which comprises first forming a proliferous copolymer of methyl vinyl ketone containing from 70% to 98% methyl vinyl ketone by proliferously polymerizing, at a temperature from 50° C. to 80° C. in the substantially complete absence of oxygen, a mixture of methyl vinyl ketone and an auxiliary, polyolefinic compound which is copolymerizable with methyl vinyl ketone and in which the olefinic linkages are in the acyclic portion of the molecule and are the sole functional groups which take part in the copolymerization reaction; converting at least 15% of the keto-oxygen atoms of said copolymer of methyl vinyl ketone into formamido groups by reacting said copolymer with a reagent from the class consisting of ammonium formate, formamide, and mixtures of formic acid and a primary amine which contains only carbon, hydrogen, and nitrogen and in which the sole functional groups are amino groups, at a temperature from 150° C. to the boiling point of the reaction mixture; then converting said formamido groups in the resultant copolymer to amino groups by hydrolyzing the copolymer containing formamido groups by means of an aqueous solution of a strong mineral acid; and thereafter isolating the resultant, anion-exchange resin.

2,597,492

CATION-EXCHANGE POLYMERS OF VINYLANISOLE

Jesse C. H. Hwa, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,096
6 Claims. (Cl. 210—24)

1. As a new composition of matter, a sulfonated, opaque, proliferous polymer containing at least 70% proliferously polymerized vinylanisole, said sulfonated polymer being capable of exchanging cations.

2,597,493

ANION-EXCHANGE POLYMERS OF VINYLANISOLE

Jesse C. H. Hwa, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,097
2 Claims. (Cl. 260—47)

1. As a new composition of matter, an opaque, infusible, proliferous polymer which is capable of adsorbing acids from fluids and which comprises the reaction product of an amine from the class consisting of primary and secondary amines and a haloalkylated proliferous polymer containing at least 70% proliferously polymerized vinylanisole to the aromatic nuclei of which are attached substituent haloalkyl groups of the formula

$$-C_nH_{2n}-X$$

in which n is an integer of value one to four and X is an atom of a halogen from the class consisting of chlorine and bromine, the number of said substituent groups being at least one for every 15 aromatic nuclei in said polymer.

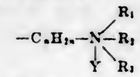
2,597,494

STRONGLY BASIC ANION-EXCHANGE POLYMERS OF VINYLANISOLE

Jesse C. H. Hwa, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 12, 1951, Serial No. 226,098
4 Claims. (Cl. 260—47)

1. As a new composition of matter, an opaque, infusible, proliferous polymer containing at least 70% proliferously polymerized vinylanisole to the aromatic nuclei of which are attached substituent groups having the general formula



in which n is an integer of value one to four; R_1, R_2, and R_3 are members of the class consisting of methyl, ethyl, phenyl, benzyl, propynyl, and beta-hydroxyethyl groups; and Y is an anion; the number of said substituent groups being at least one for every fifteen aromatic nuclei in said polymer, said polymer being capable of removing anions from fluids.

2,597,495

HOT WORKABLE NICKEL ALLOY

John Harry Jackson and Orien W. Simmons, Columbus, Ohio, assignors, by mesne assignments, to The Illium Corporation, Freeport, Ill., a corporation of Delaware

No Drawing. Application August 3, 1950, Serial No. 177,556
5 Claims. (Cl. 75—171)

2. A corrosion-resistant, hot-workable alloy comprising essentially by weight chromium 17% to 24%, molybdenum 3% to 5%, iron less than 10%, copper 1.5% to 4%, manganese less than 0.6%, silicon less than 0.4%, carbon .02% to .15%, and the balance nickel.

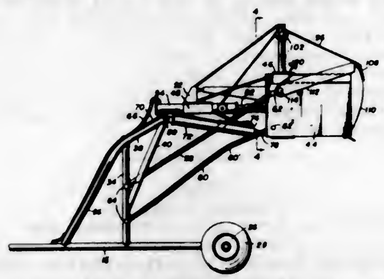
2,597,496

EARTH MOVER AND LOADER

Clarence L. Jeffrey, Fairfield, Ill.

Application January 2, 1948, Serial No. 104
4 Claims. (Cl. 214—82)

1. Earth handling equipment comprising a wheeled frame, an upright thereon, an earth box having an open mouth and secured by pairs of parallel arms to said upright for level lifting, power means to raise said earth box, an ejector slidably mounted on the earth box for horizontal reciprocation in said earth box, means to move said ejector, a closure for the mouth of the earth box, and means to lift said closure above said mouth, said means to move the ejector comprising a hydraulic cylinder having a piston rod connected to said ejector, and the means to lift the closure comprising a cable operatively connecting said ejector with said closure, said closure being hinged on said earth box, the ends of the cable being secured to said ejector and to said closure, and a complement of cable guiding pulleys, said cable being arranged so that the closure in falling by gravity into closed position retracts the ejector in said earth box.

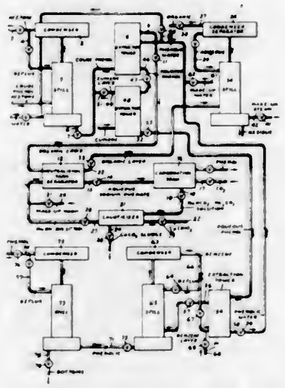


2,597,497

PURIFICATION OF CRUDE PHENOL-ACETONE MIXTURES

George G. Joris, Convent, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application July 19, 1949, Serial No. 105,650
3 Claims. (Cl. 260—593)



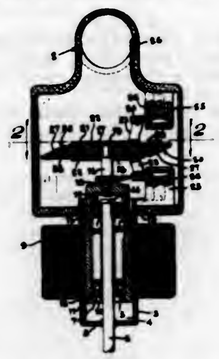
1. A process for separating acetone and phenol from a cumene hydroperoxide decomposition mixture containing them which comprises distilling said mixture in presence of water and taking off acetone overhead; extracting with water at elevated temperatures of at least about 85° C. phenolic residue of said distillation which residue contains in addition to phenol at least 30% by weight of cumene, with formation of an organic layer and an aqueous phenol layer; neutralizing phenol in the organic layer thus produced and separating aqueous phenol salt solution from said organic layer; extracting from the aforementioned aqueous phenol layer, with cumene solvent, non-phenolic organic impurities therein and combining the organic layer from said extraction with the aforesaid acetone distillation residue; extracting thus purified aqueous phenol with hydrocarbon solvent; separating from organic extract, thus resulting, hydrocarbon solvent and phenol and recycling aqueous layer, from said extraction of purified phenol, for the aqueous extraction of distillation residue from the acetone distillation step and for providing water in said distillation step.

2,597,498

X-RAY TUBE

Joseph V. Kerkhoff, South Fort Mitchell, Ky.

Application December 10, 1948, Serial No. 64,568
6 Claims. (Cl. 313—60)



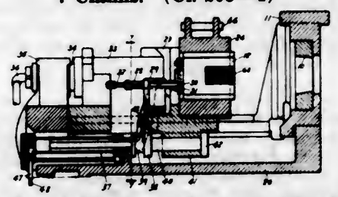
1. An X-ray tube of the rotating anode type comprising a shaft, an anode mounted on said shaft, a non-conductive spacer between said shaft and anode, a contact ring connected to said anode, and a conducting brush in slipping engagement with said contact ring whereby high potential may be applied to said anode without passing through said shaft.

2,597,499

MEANS FOR DRAWING TUBES

Wallace E. Kerr, Youngstown, Ohio

Application June 8, 1943, Serial No. 490,060
7 Claims. (Cl. 205—4)



3. Push-pointing apparatus comprising in combination a base, a support slideably mounted on said base, a stock gripping device on said support, an operating link for said device on said support, means to move said support having a movable element connected to said link and having a lost motion connection with said support whereby said device is actuated before said support is moved.

2,597,500

APPARATUS FOR DRAWING ELONGATED METAL OBJECTS

Wallace E. Kerr, Youngstown, Ohio

Application April 28, 1948, Serial No. 23,684
8 Claims. (Cl. 205—7)

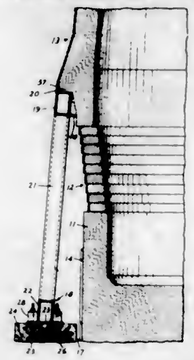
4. A tube drawing apparatus having a drawing die, a push-pointer, a draw carriage, an elongated-plug type of mandrel having a tag projecting outwardly therefrom for gripping engagement by the draw carriage, means to re-

tract said mandrel to a predetermined position relative to said die after movement of said mandrel through said die by engagement of said



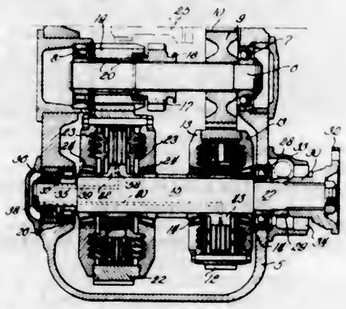
tag by said draw carriage, and releasable means to anchor said mandrel in said predetermined position.

2,597,501
BLAST FURNACE SUPPORT
Fred E. Kling, Youngstown, Ohio, assignor to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Application July 8, 1947, Serial No. 759,565
3 Claims. (Cl. 263—29)



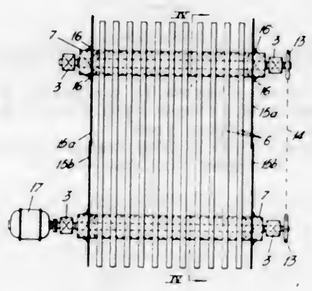
1. A supporting structure for a blast furnace comprising a plurality of hollow box-like sections welded end-to-end into a base ring, means in said base ring for anchoring it directly to a foundation, a plurality of box-girder columns welded to about the mid-portions of said sections and extending upwardly from said ring, a plurality of box-like sections welded at about their mid-portions to the upper ends of said columns and welded end-to-end to form a mantle ring.

2,597,502
FLUID CLUTCH WITH SERVO ENGAGEMENT
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application May 31, 1945, Serial No. 596,835
4 Claims. (Cl. 192—85)



1. In combination a shaft, a hub splined thereon having a radial spider portion, a gear member encircling said spider portion and having radial side plates on opposite sides of said spider and journaled on said shaft, clutch discs carried on opposite faces of said spider, circumferentially spaced piston means in said spider operable to spread said discs axially into contact with said side plates, servo cam means between said discs and spider responsive to relative rotation therebetween for forcing said discs into clutching engagement with said side plates, and said servo cam means being disposed alternately relative to said piston means.

2,597,503
SHAKING SCREEN
John Lars Arvid Larsson, Nockeby, near Stockholm, Sweden
Application February 10, 1948, Serial No. 7,355
In Sweden August 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 5, 1964
2 Claims. (Cl. 209—367)

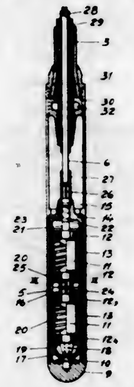


1. In shaking screens, a fixed supporting structure, bearings supported on said structure spaced in apart relation, rotatable transverse shafts supported and mounted by said bearings only at their opposite ends, said shafts being provided with eccentric weight means, means interconnecting said shafts to control their rotation to cause the eccentric weight means to rotate synchronously and in phase, box beams encasing said shafts and eccentric weight means and being connected to said shafts by means of bearings located inwardly from the ends of the shafts so as to form self contained units, a plurality of individual screening bars, and means for detachably connecting said bars individually to each box beam.

2,597,504
METHOD OF EXTRACTING URANIUM FROM BITUMINOUS SHALES AND SHALE CULM CONTAINING URANIUM
Markus Larsson, Stockholm, Sweden, assignor to Frans Georg Liljenroth, Stockholm, Sweden
No Drawing. Application December 3, 1948, Serial No. 63,441. In Sweden December 4, 1947
4 Claims. (Cl. 23—14.5)

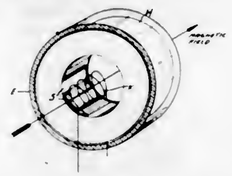
1. Method of extracting uranium from bituminous shale containing uranium, which comprises preparing a suspension of the shale in its natural chemical state in a solution of alkali carbonate, blowing a gas containing free oxygen through said suspension and then separating the extract from the solid matters.

2,597,505
TUBE VIBRATOR
Knut V. Lindkvist, Stockholm, Sweden
Application October 3, 1950, Serial No. 188,216
In Sweden November 21, 1945
2 Claims. (Cl. 259—1)



1. A tubular vibrator for the production of high-frequency mechanical vibrations of frequencies greater than 100 per second, and adapted for the compression of plastic material such as concrete, comprising a cylindrical outer casing, an inner removable wear lining in said casing, at least one eccentrically loaded impulse member disposed for rotation within said wear lining, and means for securing said wear lining in proper lengthwise position in said casing, said last named means comprising an end plug secured to one end of said casing, an oil cup within said end plug, and means defining passages for lubricating oil extending from said oil cup and in communication with the inner surface of said wear lining.

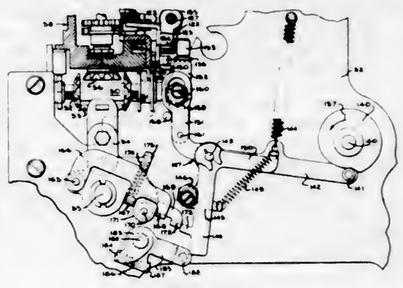
2,597,506
ULTRA-SHORT WAVE ELECTRON TUBE
Fritz Lüdi, Baden, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application November 14, 1945, Serial No. 628,528
In Switzerland November 17, 1944
5 Claims. (Cl. 315—39)



1. An electron discharge device comprising an annular hollow anode structure constituting a cavity resonator with annular end walls and bounded in a radial direction by two cylindrical walls, the inner cylindrical wall being constituted by a plurality of not less than 4 pairs p of interleaved anode segments with alternate segments mounted on opposite end walls of said cavity resonator, the mutual capacitance of the interleaved anode segments and the inductance provided by said end and outer cylindrical walls tuning said cavity resonator to a natural resonant frequency which determines the frequency of operation of said discharge device, and cathode means coaxial with said inner cylindrical wall and defining the inner cylindrical boundary of an unobstructed electron path space of annular cross-section, the outer cylindrical boundary being defined by said anode segments; the anode segment radius r_a and the radius r_k of said inner cylindrical boundary being related to each other and to the number p of pairs of anode segments to satisfy the condition that:

$$1.8 \leq \frac{p}{r_a}\left(\frac{r_a+r_k}{2}\right)\left(1-\frac{4r_k^2}{(r_a+r_k)^2}\right) \leq 3.4$$

2,597,507
AUXILIARY TENS-TRANSFER CONTROL MECHANISM
Anthony B. Machado and Gilman Plunkett, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc., a corporation of California
Application April 19, 1949, Serial No. 88,448
21 Claims. (Cl. 235—133)



1. In a calculating machine having a frame, a carriage mounted for endwise shifting movement on said frame, and a plurality of ordinally arranged register wheels journalled in said carriage, certain of said wheels lying inboard of said frame and others of said wheels lying outboard thereof when said carriage is in its end position, the combination of a main transfer mechanism situated within said frame for effecting transfers in the inboard register wheels; an auxiliary transfer mechanism mounted on said carriage for effecting transfers in the outboard register wheels, said last-named mechanism comprising a transfer tooth connected for movement with the highest order inboard wheel, a transfer gear and a transfer tooth connected for movement with each of the outboard register wheels, a series of coupling gears for operatively connecting each transfer tooth with the transfer gear in the next higher order of the register so as to enable the transfer of a unit from one order to the next to be effected throughout the entire array of register wheels, and means mounting said coupling gears for rotation and for shifting respectively in a direction parallel to their axes of rotation from positions in which they are operative to connect the respectively associated transfer teeth and transfer gears to other positions in which they are inoperative for effecting such connection; and means operable when the carriage is moved from its end position for preventing operation of one of said transfer mechanisms with respect to register wheels moved inboard of said frame by such movement of the carriage.

2,597,508
EAR PROTECTOR
Frank Majewski, Niles, Ill.
Application November 30, 1949, Serial No. 130,230
2 Claims. (Cl. 2—209)



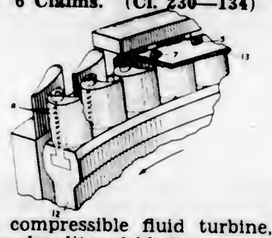
2. An ear protector of the class described, comprising a frame of substantially oval shape adapted to loosely encompass the ear, a covering therefor and a clamping ring having a wide portion at its upper end, a vertically extending short link arm extending upwardly from and hingedly secured at its lower end to said wide portion of said ring, a second short link arm pivotally secured at its upper end to the upper end of said first-mentioned link and bent outwardly whereby to lie in a plane diagonal to the plane of said first link, and an arcuately shaped clamping member, the upper end thereof being bent back upon itself in substantially U-shape, the U-shaped portion of said member lying transversely across the said second link arm and having its legs rigidly secured thereto, whereby the greater portion of said U-shaped portion extends beyond said second link, said clamping member being shiftable laterally about said second link arm pivot.

2,597,509
COAT HANGER SHOULDER SHIELD
Sterling D. Mallory, Birmingham, Ala.
Application April 4, 1949, Serial No. 85,327
1 Claim. (Cl. 223—88)



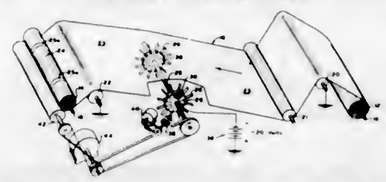
A garment shoulder shield of the character described for use in combination with a wire type coat hanger having upper and lower wire portions comprising, an approximately flat piece of thin semi-stiff material as the main body, said body formed with an outline approximately the same as the outline of a section of a pear through and along its major axis, two arms formed by cut out portions of the body with one end of each arm integral with the body, each arm bent away from the body at an angle of approximately 85 degrees compared to the face of the body, each arm having its outside edge near its outer end formed with an approximately semi-circular portion therein, said semi-circular portions being adapted to straddle the lower wire portion of a wire coat hanger when the body is positioned upon the upper wire portion of the same wire coat hanger and the said arms are crossed; two spaced apart tabs cut out of the other end portion of the body with one end of each tab integral with the body, said tabs bent away from the body at an angle of approximately 90 degrees compared to the face of the body, said tabs being adapted to fit astride the upper wire portion of a wire coat hanger when the body is positioned thereon; the smaller end of the body having a slot with a circular shaped end therein and extending along the major axis of the body to a point short of the position of said tabs, said circular portion of the slot being adapted to encircle the upper wire portion of a wire coat hanger when the body is positioned thereon.

2,597,510
BLADE ELEMENT FOR ROTARY FLUID MACHINES
Edward J. McBride, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 15, 1947, Serial No. 741,555
6 Claims. (Cl. 230—134)



1. In a compressible fluid turbine, a rotary member, a plurality of blades mounted thereon in circumferential alignment and having radially disposed axis, said blades having concave and approximately parabolic surfaces, means defining curved flow passages for fluid actuating said rotary member, said means including, a convex surface in the medial portion of said approximately parabolic surface, and an inlet plane surface on said parabolic surface tangent to said convex surface, said blades having a plurality of bleed-off openings on said convex surface adjacent the point of tangency of said inlet plane surface to connect said convex surface to a region exterior of said flow passages.

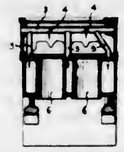
2,597,511
SELECTIVELY DEMETALIZING CONDENSER PAPER
Glenn L. Mellen, Framingham Center, and Vincent C. Hall, Jr., West Roxbury, Mass., assignors to National Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1949, Serial No. 119,164
7 Claims. (Cl. 219—19)



1. Apparatus for continuously forming a metal-free stripe on a web of metal-coated, nonconducting sheet material by removing a band of said metal coating, said apparatus comprising means for continuously advancing the web, an electrical contact positioned to engage the metal face of the web, a plurality of electrodes successively positionable in contact with said metal coating, each said electrode being provided at its contacting end with a knife-blade edge having a width,

extending across the advancing web, which is on the order of the width desired for the metal-free stripe, means comprising a rotary member supporting said electrodes for moving said electrodes successively into and out of engagement with said web, said rotary member being arranged to move said electrodes, while in contact with said web, longitudinally of said web in a direction opposite to the direction of advancement of said web, means for maintaining a sufficient potential difference between one of said electrodes in contact with the web and the metal face of the web to create an arc between said metal coating and said electrode, said last-named means being arranged to remove said potential difference prior to movement of said electrode out of engagement with said web, and means for removing from each said electrode metal evaporated by the arc which condenses on the electrode.

2,597,512
DEVICE FOR CIRCULATING COOLING WATER IN INTERNAL-COMBUSTION ENGINES
Oscar Montabone, Turin, Italy, assignor to Fiat S. p. A., Turin, Italy
Application June 27, 1950, Serial No. 170,517
In Italy June 30, 1949
2 Claims. (Cl. 123—41.28)



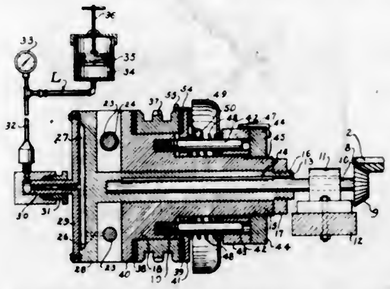
1. In an internal combustion engine, a device for circulating cooling water comprising a delivery tube extending longitudinally in the cylinder head and having holes for delivering water into the head, branch pipes extending from said tube, vertical tubes in the crank case communicating with said branch pipes for controlling the water circulation therein and conduits in the crank case for returning the cooling water to the upper head portion.

2,597,513
CONNECTION DEVICE FOR OPEN FRONT CONDUITS
Robert H. Murphy, West Hartford, and Francis P. D'Esopo, Hartford, Conn., assignors to The Wiremold Company, Hartford, Conn., a corporation of Connecticut
Application September 28, 1946, Serial No. 700,106
12 Claims. (Cl. 138—75)



1. A device for use with an open front electrical conduit having side walls, the said device comprising in combination, a body of such size and shape as to be adapted to engage at its sides with the side walls of the conduit and to close the open front thereof, a transverse clamping member associated with the body and positioned with its ends adjacent the conduit side walls when the body is in position to close the open front of the conduit which clamping member is separate from and additional to the body and is constructed and arranged to be substantially flexed independently of the said body, and means engaging the body and the clamping member and operable when the body is in its said conduit closing position for substantially flexing the clamping member independently of the body and in a direction to cause the said end portions of the said member to apply lateral pressure to effect a clamping action between the forward portions of the conduit side walls and the sides of the body.

2,597,514
OVERLOAD TORQUE RELEASE MECHANISM
Gerald J. Nash, Wichita Falls, Tex.
Application March 27, 1945, Serial No. 585,121
3 Claims. (Cl. 64—30)

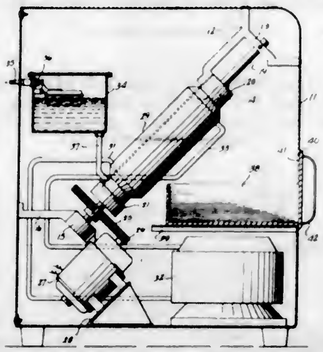


1. In an overload torque transmitting mechanism, a driven body member having a journal thereon, a drive member mounted on the journal, means fixed to the body member and forming clutch engaging faces at opposite sides of the drive member for clutch engagement therewith, one of said clutch engaging faces including a plate mounted slidably axially relative to the body member, one or more pins fixed to the body member and extending through the plate for sliding movement of the plate lengthwise thereof, coiled springs sleeved over the pins and bearing on the plate yieldably urging the plate toward the drive member, a ring surrounding the body member and slidably receiving the pins therein and bearing on the coiled springs, and a nut threaded on the body member beside the ring and acting on the ring to vary the tension on the springs.

2,597,515
AUTOMATIC MACHINE FOR FREEZING SPIRAL ICE CHIPS
John M. Nitsch, Tuscaloosa, Ala.
Application March 3, 1950, Serial No. 147,479
1 Claim. (Cl. 62—106)

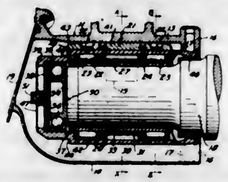
In an apparatus for making ice chips, an inclined cylindrical casing forming a water receiving freezing chamber, said casing having a closed lower end and being formed fully open at its upper end; a refrigerating jacket surrounding said casing and arranged to chill the wall thereof to an extent effective for the continuous formation of a film of ice upon said wall; means for supplying water to the casing to a controlled level spaced from the open upper end thereof; a feed screw rotating within the casing, said screw including an elongated shaft and a spiral blade on the shaft having a cutting edge spaced closely from the casing wall, to effect a continuous scraping of said film from the casing wall and an advancement of the scrapings toward the open upper end of the casing; a supporting bracket for the upper end of the casing formed with a bearing

spaced a substantial distance beyond and above the open end of the casing and receiving one end of the feed screw shaft, said bracket including a connecting member paralleling and arranged above said shaft, said connecting member extending from the bearing to the casing and supporting said open end of the casing, the connecting member being arranged wholly clear of and above the space between the bearing and casing out of the



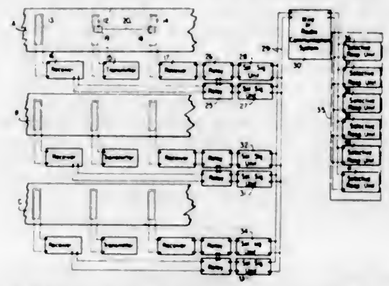
path of a spiral piece of ice fed upwardly through the open upper end of the casing; and a receiving tray spaced a substantial distance below the open upper end of the casing, said bracket being so formed and arranged relative to the casing and tray as to be wholly clear of the space therebetween, for free fall of a broken spiral piece of ice fed through the open upper end of the casing to the tray, whereby to forcibly dash said broken piece against the tray surface.

2,597,516
JOURNAL BEARING
Frank Noe, Plainville, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application August 28, 1948, Serial No. 46,584
10 Claims. (Cl. 308—180)



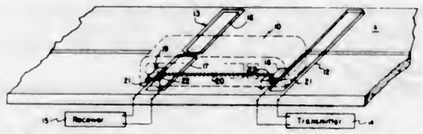
1. In a bearing for use in a journal-box housing having an inwardly projecting axial locating lug, a circumferentially continuous bearing housing member to be received in said box and having a groove to receive the lug, whereby said housing member may be axially located by said lug, and spaced two sets of antifriction elements to ride within said housing member, said housing member having a continuous longitudinally extensive bore providing common raceway support for both said sets of antifriction elements, there being a certain amount of axial freedom for axial sliding relative movement of said sets of rollers with respect to said housing member, the maximum raceway radius for said elements exceeding the shortest radial distance of the lug to the bearing axis, whereby such a lug may serve directly to limit axial movement of said sets of elements independently of housing-member location.

2,597,517
BUS PROGRESS CONTROL SYSTEM
Daniel E. Noble, Elmhurst, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application June 5, 1948, Serial No. 31,269
10 Claims. (Cl. 177—353)



6. A system for identifying the presence of an elongated movable vehicle at a particular station on a roadway including in combination, transmitter means having an antenna positioned in said roadway, receiver means having an antenna positioned in said roadway and spaced from said transmitter antenna by a distance no greater than the length of said vehicle, a pair of tuned coupling loops carried by said vehicle with one of said loops being positioned adjacent the front of said vehicle and the other one of said loops positioned adjacent the rear thereof, and with said loops having the same spacing as said antennas so that as said vehicle traverses said roadway one of said loops is positioned over said transmitter antenna at the same time the other of said loops is positioned over said receiver antenna, and means interconnecting said loops so that a signal radiated by said transmitter means is applied through said coupled loops to said receiver means.

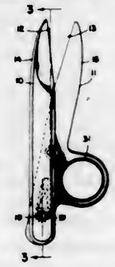
2,597,518
VEHICLE DETECTING SYSTEM
William J. Parks, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application October 17, 1949, Serial No. 121,719
6 Claims. (Cl. 177—353)



5. A system for detecting the presence of a movable object at a particular location including in combination, a signal radiating antenna at said location, a receiving antenna at said location spaced from said radiating antenna, one of said antennas comprising a plurality of series-connected conducting loop portions which are electrically opposed to each other with respect to direct transmission of signals between said antennas, so that there is no substantial net voltage induced in said receiving antenna by direct transmission from said radiating antenna, and coupling means carried by a movable object including a pair of coupling loop means for respectively picking up signals from said radiating antenna and for reradiating the signals picked up adjacent said receiving antenna when said object

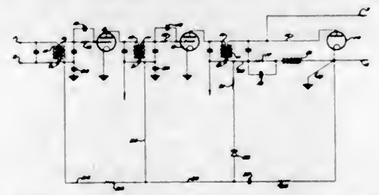
is at said location, said coupling loop means being spaced to correspond to the spacing between said signal radiating antenna and said receiving antenna, to thereby provide efficient coupling between one loop portion of said one antenna and said other antenna so that a net voltage of substantial magnitude is produced in said receiving antenna when said object is at said location.

2,597,519
THREAD NIPPER
Francis M. O'Brien, St. Petersburg, Fla.
Application June 21, 1949, Serial No. 100,413
1 Claim. (Cl. 30—253)



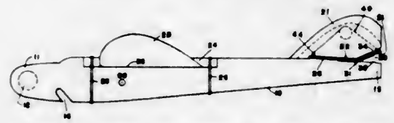
A tool of the character described comprising a pair of blades having complementary cutting ends and opposing hinged ends, said last ends being formed with registering transverse openings and partial sockets formed on the inner faces of the ends and arranged coaxial with the openings, said sockets communicating with elongated recesses which taper longitudinally of the blades from the sockets toward the cutting ends, said blades having longitudinally disposed bores communicating with the tapered ends of the recesses spaced from the openings, a spring having a helix coil and arms extending outwardly from the helix, said coil being seated in the sockets and arranged transversely between the blades with its ends disposed in the recesses and received at their free terminals in the bores, the opening of said coil being aligned with the openings in the blades, a pivot passing through the openings and said coil, and means carried by the pivot for clamping the blades together.

2,597,520
AUTOMATIC VOLUME CONTROL CIRCUITS
William Joseph O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application January 24, 1948, Serial No. 4,093
In Great Britain January 31, 1947
5 Claims. (Cl. 178—44)



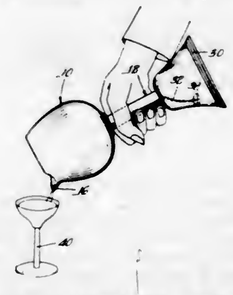
1. In an automatic volume control system, the combination of: a plurality of vacuum tubes connected in a multi-stage amplifier circuit; a rectifier connected to said amplifier circuit for developing a direct control potential; control circuit means connecting one side of said rectifier to the grids of said tubes for applying said control potential to said grids; and asymmetric resistance in said control circuit presenting to current flowing in one direction a resistance many times greater than is presented to current flowing in the opposite direction; a load circuit comprising an impedance having a given time constant connected to draw current from said rectifier through said asymmetric resistance; and a limiter comprising a resistance in series with at least one of said grids and a condenser connected in parallel with said resistance to provide a time constant different than said given time constant.

2,597,521
TOY GLIDER
J. C. Pemberton, Pasadena, and Dorris Ronald Baldridge, Glendale, Calif.
Application May 25, 1946, Serial No. 672,198
9 Claims. (Cl. 46—81)



1. An aircraft comprising a body member, a wing extending transversely across said body member, a stabilizer disposed on said body member behind said wing and comprising a fixed air foil and a movable airfoil, said movable airfoil being pivotally movable about an axis transverse to said body member, and means located entirely on said aircraft and controlled solely by aerodynamic forces acting on said movable airfoil during free flight for producing a large lift on said stabilizer at low air speeds and a small lift on said stabilizer at high air speeds.

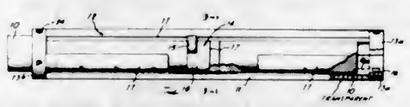
2,597,522
SIGNALING DRINK MIXER
Robert P. Pierce, Chicago, Ill.
Application December 8, 1947, Serial No. 790,321
3 Claims. (Cl. 116—152)



1. A hand manipulated signal assembly adapted for use with a liquid dispensing receptacle and comprising a hollow supporting base in the form of a bell, a tubular handle portion extending substantially vertically from said base and having secured therein a plug element adjacent said base, screw means engaging said plug element for securing said base to said handle portion, a cushioning and insulating filler secured in said tubular handle portion above said plug

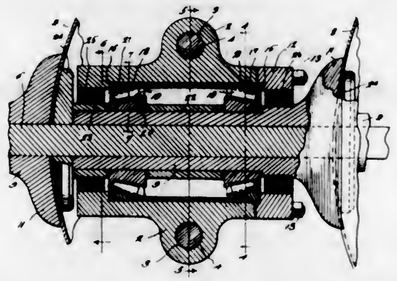
element and having an upwardly open recess, adapted to receive a stem on the receptacle and a bell clapper depending from said screw means within said hollow base, whereby grasping of the handle portion to tilt or otherwise manipulate the assembly will result in a sounding effect.

2,597,523
SLIDE RULE
Michael J. Quillinan, Bronx, N. Y.
Application July 13, 1950, Serial No. 173,521
18 Claims. (Cl. 235—70)



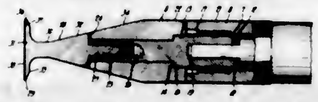
1. In a rule of the character described, cylindrical sliding and stationary scales, said sliding scale reciprocating within and circumjacent to said stationary scale, said sliding scale comprising a graduated cylinder, said stationary scale consisting of a plurality of strips braced together about said sliding scale circumjacent thereto, indexing means reciprocating between and circumjacent to said scales, adjusting and securing means provided on said stationary scale securing said strips together to form said stationary scale, said means maintaining said strips around and circumjacent to said indexing means.

2,597,524
CULTIVATOR DISK MOUNTING
Dannie D. Birt, Guymon, Okla., assignor to Dandee Manufacturing Company, Inc., a corporation of Oklahoma
Application July 14, 1947, Serial No. 760,779
5 Claims. (Cl. 308—181)



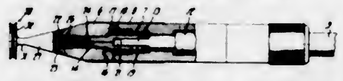
1. In a mounting for spaced ground working discs of an agricultural implement, a housing disposed between a pair of such discs and connected with a beam of said implement, said housing having opposite open end portions facing the pair of discs, a pair of widely spaced anti-friction bearings fitted in said open end portions of the housing close to the outer extremities thereof, a head opposite one open end portion of the housing exteriorly thereof and having a spindle journalled in and projecting through said bearings and the opposite open end portion of the housing, means for securing a disc to said head and a disc to the free end of the spindle, and separate means for holding the bearings against endwise movement relative to each other and the housing.

2,597,525
POWER-DRIVEN MANICURING DEVICE
Merrill Kessler, Oakland, Calif., assignor to Aristocrat Manicuring Company, a corporation of Nevada
Application June 15, 1948, Serial No. 33,077
2 Claims. (Cl. 132—75.8)



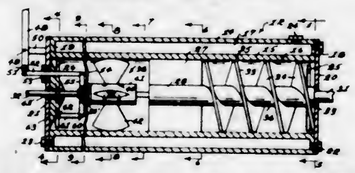
1. A manicuring instrument for a rotary power driven manicuring device comprising, a disc having a recessed end face bounded by a smoothly rounded peripheral bead projecting axially therefrom, the opposite end face of said disc having a flat bevelled portion adjacent said peripheral bead to permit a ready insertion of the disc periphery and said bead under the finger nail to be manicured and for support of said recessed end face in opposed juxtaposition to the finger nail, and a layer of abrasive particles glued to said recessed end face and extending therefrom to the plane of said bead thereby providing a flat abrasive surface in the plane of said bead.

2,597,526
ROTARY MANICURING INSTRUMENT
Merrill Kessler, Oakland, Calif., assignor to Aristocrat Manicuring Company, a corporation of Nevada
Application August 21, 1948, Serial No. 45,472
2 Claims. (Cl. 132—75.8)



1. A rotary manicuring file comprising, a disc shaped body having substantially flat front and rear sides parallel to each other and perpendicular to the longitudinal axis of said body, a stem extending axially from said rear side and adapted for connection to a rotary drive, said body being formed with a peripheral recess having a flat cylindrical base and a pair of smooth outwardly diverging side walls extending from the front and rear edges of said base, the outer extremities of said side walls joining said front and rear sides of said member in smooth thin annular rims, and file serrations formed in said base, the width of said base between said front and rear edges functioning to confine a fingernail on said serrations without appreciable movement of said nail across said width.

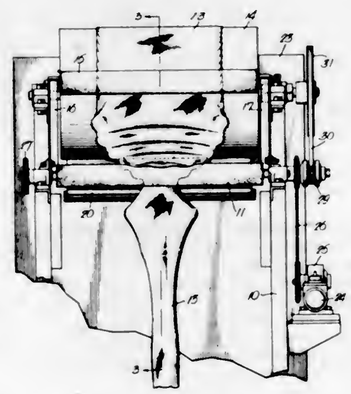
2,597,527
REVERSIBLE ROTARY FLUID COUPLING
Roland Robert Mosher, Jackson, Mich.
Application July 13, 1948, Serial No. 38,361
4 Claims. (Cl. 60—54)



1. In a fluid coupling, a tubular casing having closed ends, a block mounted on the casing ends

and extending longitudinally between the ends of the casing in spaced relation to the sidewall of the casing to define a fluid space surrounding said block, said block being formed with a longitudinal cylindrical bore closed by the casing ends, inlet and outlet slots opening through the sides of said block at its opposite ends providing sole communication between said fluid space and said bore, hydraulic fluid in said space and in said bore, a fixed vane assembly in said bore at a point intermediate the ends of said bore, said assembly comprising radial longitudinally extending plates of relatively great length, a driving shaft journalled through one end of said casing and extending inwardly in said bore toward said vane assembly, a spiral screw fixed on said driving shaft within said bore and extending between the said one end of the casing to said vane assembly, said screw being spiralled in a direction to draw fluid from said space into the bore through the inlet slots and force the fluid in said bore toward and through said vane assembly when the driving shaft is rotated in a predetermined direction, the vane assembly then serving to convert the rotary motion of the fluid forced therethrough by said screw into rectilinear motion, a driven shaft journalled through the opposite end of the casing and extending in said bore toward said vane assembly, a driven rotor fixed on said driven shaft in axially spaced relation to said vane assembly and the adjacent end of the casing, said driven rotor comprising a plurality of radial blades mounted on said driven shaft for pivotal movement on their axes from neutral to forward drive and reverse drive positions, and manual means extending through said casing and connected to said blades for turning said blades on their axes.

2,597,528
APPARATUS FOR TREATMENT OF TUBULAR KNITTED FABRICS
Frank R. Redman, Yardley, Pa.
Application October 22, 1948, Serial No. 55,963
9 Claims. (Cl. 26—55)



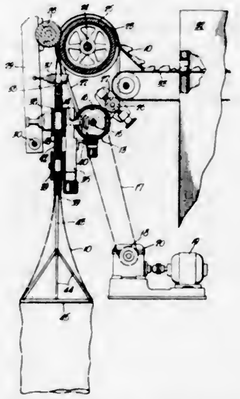
1. Apparatus for reducing shrinkage in tubular knitted fabric which has been elongated lengthwise and narrowed widthwise by processing subsequent to knitting of the fabric, comprising means for moving the tubular knitted fabric lengthwise through a treatment zone while affording lengthwise freedom of the fabric, means within said zone for internally expanding the tubular fabric widthwise to effect lengthwise shortening or condensing of the fabric, and fabric-handling means permitting the fabric to relax, whereby to effect repositioning of the fabric stitches substantially to their original knitted form and restoration of the fabric substantially to its normal condition.

2,597,529
METHOD FOR TREATING TEXTILE MATERIALS
Frank R. Redman, Yardley, Pa.
Application January 3, 1949, Serial No. 68,936
7 Claims. (Cl. 26—18.5)



1. A method of treating moistened textile fabric, which comprises arranging the moistened fabric horizontally in successive loops and supporting the loops both at their upper and lower portions, thus providing discrete loop sections of the fabric free of any appreciable tension, applying agitating force to the loops to effect rippling of the fabric in each loop, and drying the fabric while the loops are being agitated by the applied force.

2,597,530
METHOD OF TREATING FABRIC
Frank R. Redman, Yardley, Pa.
Application May 1, 1950, Serial No. 159,296
13 Claims. (Cl. 26—18.5)

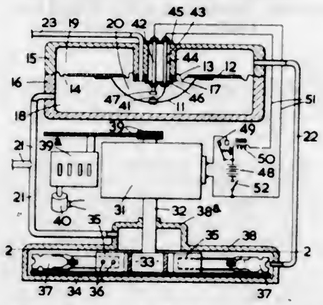


1. A method of reducing shrinkage in tubular knitted fabric which has been elongated lengthwise and narrowed widthwise by processing subsequent to knitting of the fabric, and the stitches of which are distorted lengthwise and widthwise, said method comprising moving the tubular knitted fabric lengthwise through a treatment zone while providing lengthwise freedom of the fabric, internally expanding the tubular fabric widthwise within said zone to effect lengthwise shortening or condensing of the fabric, and permitting the fabric to relax, whereby to effect repositioning of the stitches substantially to their original knitted form and restoration of the fabric substantially to its normal condition.

2,597,531
SPEED AND/OR DISTANCE DETERMINING INSTRUMENT

Hugh Lambert Reilly, Frank Herbert Scrimshaw, and Arthur George Bone, Farnborough, England, assignors, by mesne assignments to Kelvin & Hughes Limited, Glasgow, Scotland, a British company

Application February 26, 1948, Serial No. 11,025
In Great Britain November 29, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires November 29, 1966
8 Claims. (Cl. 73—183)



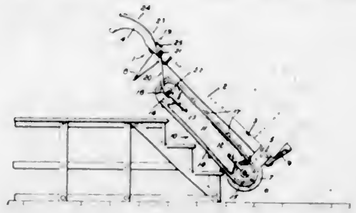
1. An instrument of the type described comprising, a pressure responsive assembly having a composite diaphragm, means forming with the diaphragm three fluid tight compartments, the first fluid tight compartment enclosing the whole of the diaphragm on one side, the second fluid tight compartment enclosing an annular area of the diaphragm on its other side, and the third fluid tight compartment enclosing the central area of the diaphragm on said other side, a centrifugal fan of the type wherein its effective radius decreases with increase of its rotary speed, a fluid tight casing surrounding said fan, an electrical motor for driving said fan, means for suplying pitot pressure to both said first compartment and to the inlet side of said fan, means for delivering the output of said fan to said second compartment, means for supplying static pressure to said third compartment, electrical contact members on said diaphragm and assembly respectively, said contact members being operable upon displacement of said diaphragm relative to the assembly, a source of electricity, conductors leading from said source to said motor and to said contact members respectively, means for opening said motor circuit when said contact members are open and closing said motor circuit when said contact members are closed, and indicating means driven by said motor, the output of said fan being the sum of the pitot pressure and the centrifugal pressure produced by the fan, and the mechanical advantage afforded by the pressure responsive assembly being less for the fan pressure than the pitot pressure, whereby said motor is caused to hunt about a mean speed dependent upon the speed of travel, relative to the air, of a craft in which the instrument is carried.

2,597,532
HAND TRUCK

Lawrence Richardson and Walker Scott Richardson, Cambridge, Mass.

Application June 15, 1949, Serial No. 99,267
9 Claims. (Cl. 280—5.22)

3. A hand truck comprising a main frame having wheeled supporting means and a brake surface, a travelable endless tread belt supported from the main frame and pivotally mounted for movement into and out of engagement with the

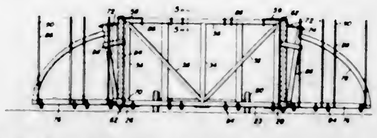


brake surface, and means for swinging the endless tread belt into engagement with the brake surface.

2,597,533
FOLDING DRAWBAR FOR HARROWS

Arthur L. Rogers, Gettysburg, S. Dak.

Application December 10, 1947, Serial No. 790,886
3 Claims. (Cl. 55—89)



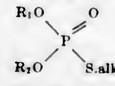
1. A folding drawbar for harrow sections comprising a frame having ground contacting wheels, an upstanding member on said frame and of a length substantially equal to the length of harrow sections to be used, hooks on the upper end of said member adapted to suspend said sections in vertical and inoperative position for transport thereof, said frame having attaching members whereon said sections may be hooked in operative position, and frame wings pivoted on vertical axes at the ends of said frame and foldable thereon, said frame wings having attaching members whereon harrow sections may be hooked in operative position, upright members on each of said frame wings, said frame wings being mounted on said frame for pivotal movement about horizontal axes, and flexible links connecting upper portions of the last-mentioned upright members to the first-mentioned uprights.

2,597,534
NEUTRAL ESTERS OF THIOLPHOSPHORIC ACID

Gerhard Schrader, Opladen-Bruchhausen, Germany, assignor to Farbenfabriken Bayer, Leverkusen, Germany

No Drawing. Application September 11, 1950, Serial No. 184,335. In Germany May 7, 1949
4 Claims. (Cl. 260—461)

1. As new compounds neutral esters of thiolphosphoric acid of the general formula:

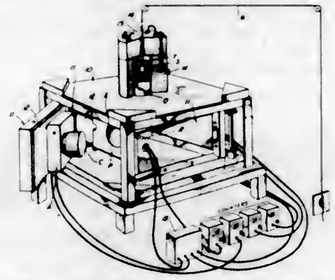


wherein R_1 and R_2 stand for lower alkyl radicals, alk stands for a lower alkylene chain, and R stands for one of the group consisting of lower alkyl radicals, phenyl radicals and lower alkyl substituted phenyl radicals.

2,597,535
RADIOACTIVE ASSAY APPARATUS

Emilio G. Segre, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application July 23, 1946, Serial No. 685,639
1 Claim. (Cl. 250—108)



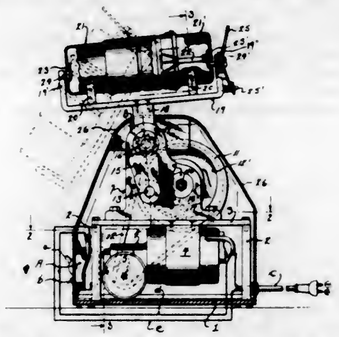
In apparatus of the character described, the combination comprising a shielded house defined by an apertured top wall, a bottom wall spaced therefrom and a plurality of intervening and interconnecting side walls provided with apertures and symmetrically disposed about a central axis normal to said first walls, a plurality of shielded doors for said second apertures mounted in said side walls equidistant from said axis and provided with fission chambers containing fissionable material, a hollow lead cylinder mounted on said apertured top wall above said house and provided with a tubular member fitting snugly within said cylinder and extending into said house through said apertured top wall along said axis, an apertured lead closure for one end of said cylinder and held in register therewith by studs substantially parallel with the longitudinal axis of said cylinder, a capsule containing radium and beryllium slidably positioned within said tubular member and having affixed to one end thereof a rod extending through said apertured closure whereby said capsule may be moved within said tube, and a neutron-decelerator comprising a body of paraffin disposed between said source and said fission chambers and having a source cavity located substantially on said axis and a plurality of fission chamber cavities disposed radially about said source cavity, there being substantially equal thicknesses of paraffin between said source cavity and each of said chamber cavities and substantially greater thicknesses of paraffin between any two of said chamber cavities.

2,597,536
LIQUID MIXER

Samuel Shields, Racine, Wis.

Application June 8, 1949, Serial No. 97,727
1 Claim. (Cl. 259—75)

In a device for mixing liquids, a support, a motor on the support, a horizontally disposed drive shaft rotatably mounted on the support, a fly wheel secured to the drive shaft for rotation therewith having a cam groove eccentric to the axis thereof, means including a pulley belt fitted over the outer periphery of the fly wheel for rotating the drive shaft from the motor, a horizontally disposed cross shaft rotatably mounted on the support at one side of the drive shaft, a crank arm secured to one end of the cross shaft having means engaging the walls of the cam groove, a toothed vertically extending sector arm secured to the other end of the cross shaft, a horizontally disposed rock shaft carried by the support disposed above the cross shaft, a pinion secured to one end of the rock shaft meshing with the teeth of the sector arm, and a work carrying vertically disposed rock arm secured to the other end of the rock shaft.



2,597,537
TRANSFER WINDING ATTACHMENT FOR SPINNING MACHINES

Carlin C. Sigmon, Alexis, N. C.

Application April 27, 1951, Serial No. 223,367
6 Claims. (Cl. 242—43)

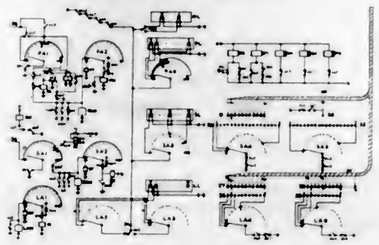
1. In a spinning machine, the combination with a frame, a rail mounted on said frame for reciprocatory longitudinal movement, a carriage connected to said rail for movement therewith and having an upstanding traversing thread guide mounted thereon, a package tube supported on said frame for rotation about an axis spaced from and substantially parallel to said rail, a guideway on said frame adjacent said rail, and a roller connected to said carriage and movable in said guideway, of manually operable means disposed adjacent said carriage and said rail for disconnecting said carriage from said rail, means acting between said roller and said guideway for latching said carriage against movement when the latter is released from said rail and moved beyond one end of its range of reciprocating movement when connected to said rail to thereby hold said traversing thread guide adjacent one end of said package tube, and coacting means on said rail and said manually operable means operable in response to predetermined relative movement of said carriage and said rail only when said carriage is disposed beyond one end of its normal range of reciprocatory movement for reconnecting said carriage to said rail.

2,597,538

ACCOUNTING DEVICE

Thomas S. Skillman, Mosman, near Sydney, and Alan D. Lackey, McMahon's Point, near Sydney, New South Wales, Australia, assignors to Communication Engineering Pty. Limited, New South Wales, Australia, a corporation of Australia

Application April 5, 1950, Serial No. 154,092
In Australia April 11, 1949
6 Claims. (Cl. 235—92)



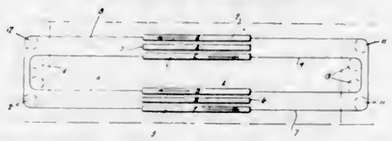
4. An accounting device comprising electrically operated registering and indicating mechanisms including electrically operated rotary switches having contact banks and wipers and for the adding and subsequent indication of values in a plurality of different denominations, and variation means including additional contact banks and wipers associated with the rotary switches of all but the lowest denominations and operated by said switches, electrical connections between said contact banks of higher denominations and the input circuits of said registering and indicating mechanisms of lower denominations, said connections being predetermined in accordance with a predetermined percentage of variation of the initially indicated values, and a switching arrangement comprising a key-operated contact and relay means operated thereby to establish, and subsequently interrupt, electrical circuits over the additional contact banks of the rotary switches to transmit value variations for one denomination to the registering and indicating mechanisms of lower denominations, said relay means comprising a group of time delay relays so timed that an electrical circuit for the value variation of one denomination is interrupted before the electrical circuit for the value variation of the next lower denomination is established, and a further relay controlling said time delay relays for keeping said circuits interrupted during further adding operations of said registering and indicating mechanisms.

2,597,539

SLIDING WINDOW STRUCTURE

Gerald Rupert Smart, Brighton, England, assignor to John Thompson Beacon Windows Limited, Wolverhampton, England

Application December 20, 1945, Serial No. 636,095
In Great Britain December 27, 1944
3 Claims. (Cl. 20—52)



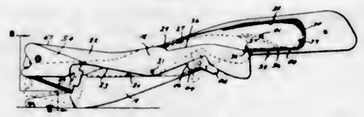
1. In a sliding sash structure of the class described, at least four movable sashes arranged in pairs in two different but parallel planes, means for cross-coupling said sashes to form at least two pairs thereof, each pair consisting of a sash in one plane and a sash transversely, diametrically and equidistantly displaced from the first sash in the adjoining plane, means connecting opposite ends of each said sash pair to form a closed circuit coupling therefor, mechanism operatively connected with said coupling means for moving the sashes in each pair of sashes simultaneously and oppositely to each other out of and into closed position.

2,597,540

CUTTING AND SLITTING DEVICE

Harry E. Smith, Atlanta, Ga., assignor of one-third to John Charles Duttenhofer, Richmond, Va., and one-third to Henrietta Elizabeth Hetzel, Atlanta, Ga.

Application November 9, 1949, Serial No. 126,345
6 Claims. (Cl. 30—156)



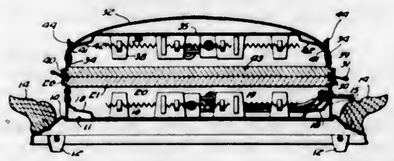
1. A cutting and slitting device comprising an elongated curved member having a pair of juxtaposed fixed jaw portions at the forward end thereof and a rearwardly extending handle portion, said handle portion being raised above the plane of said fixed jaw portions and connected thereto through an intermediate diagonal shank, said shank forming a rounded fulcrum rest along the lower edge of said jaw portions, the shank rising upwardly and rearwardly from said fixed jaw portions, a recess in said elongated curved member, a lever pivoted in said recess having forward and rearward arms, a blade-carrying movable jaw on the forward arm, said movable jaw cooperating with said fixed jaw portions whereby a cutting blade carried by said movable jaw is adapted to engage between said juxtaposed fixed jaw portions, the rear arm of said lever being adapted to be actuated to bring about pivoting of said lever and movement of said blade-carrying jaw.

2,597,541

COMBINATION SANDWICH TOASTER, GRILL, AND WAFFLE IRON

George R. Squires, Rockaway, and Richard W. Squires, Dover, N. J.

Application March 30, 1948, Serial No. 17,894
6 Claims. (Cl. 99—377)



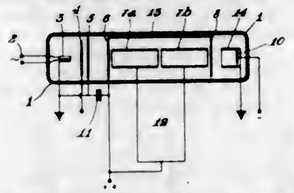
1. In a cooking utensil, in combination, an elongated plate; a band secured around the margin of the plate; inwardly pointed spring detent prongs secured to the free margin of the inner face of the band at opposite ends of the base and pointed toward the plate; a flat sheet steel heater carrier disposed adjacent to the major portion of the plate within the band and provided at opposite ends with outwardly projecting spring tongues projecting from the plane of the carrier and engageable with the inner face of the free ends of the prongs and adapted to be released by pressing the prong and to be restored against the inner face of the prong by pressing the tongue; ceramic supports carried on said plate; radial heating coils carried by the support; and a cooking plate adjacent to the free edge of the band.

2,597,542

ULTRAHIGH FREQUENCY GENERATING TUBE

Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 18, 1946, Serial No. 662,968
In the Netherlands December 2, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires December 2, 1960
2 Claims. (Cl. 313—82)



1. A high-frequency electron discharge device of the velocity modulation type, comprising an evacuated envelope and an electron discharge system mounted therein and comprising, successively, a cathode for generating a beam of electrons, a first repelling electrode perforated to permit the passage of the primary electron beam generated by the cathode for reversing the direction of flow of electrons travelling in a direction toward the cathode, an electron velocity modulating electrode system through which the said electron beam passes, and a repelling electrode system capable of producing a field configuration for returning substantially all electrons leaving the velocity modulating electrode system in a direction away from the cathode, said repelling electrode system comprising a first electrode having a passage for electrons therethrough into the system and a second repelling electrode impervious to electrons and negatively biased with respect to said first electrode of said system for returning substantially all electrons to the said velocity modulation electrode system.

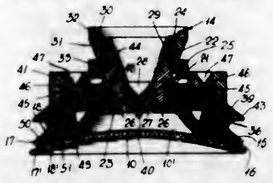
2,597,543

LENS BLOCK

Morten Suben, New York, N. Y., assignor to Lens-Block Corporation, New York, N. Y., a corporation of New York

Application June 5, 1948, Serial No. 31,248
7 Claims. (Cl. 51—235)

1. In devices of the character described, a suction cup comprising a closed conical body defined by a bottom wall and an outwardly flared annular wall, said outwardly flared annular wall terminating at its periphery in an annular angularly and downwardly extending flange, an upwardly extending hub portion centrally of the cup, means anchored within said hub portion for detachably coupling a stud member therewith, said stud member having an externally threaded portion, a nut on said threaded portion a compression ring mounted on said cup and adapted to engage the wall portion thereof intermediate the flange and said hub, a conical member mounted on the hub of the cup and moved by said nut to apply pressure to said ring and the cup, the inner surface of the flange of said cup having an annular inwardly projecting rib inwardly of and spaced from the peripheral edge of said flange, and said rib in combination with the edge portion of the flange forming two radially spaced annular pressure engagements of the cup with a supporting surface.

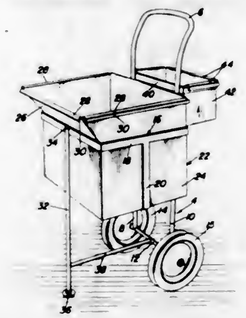


2,597,544

LAUNDRY CART FOR HOUSEHOLD USE

Julian Bailey Swain, Louisville, Miss.

Application June 27, 1950, Serial No. 170,524
2 Claims. (Cl. 280—51)



1. A laundry handling cart of the class shown and described comprising a horizontal axle, supporting wheels for the end portions of said axle, an elongated U-shaped frame unit embodying a bight portion providing a hand grip and limb portions, said limb portions being secured to and rising vertically, at right angles, from said axle, a relatively small rectangular frame secured to and projecting at right angles from said limbs, a larger rectangular frame also secured to said limbs, said larger frame being provided with depending stirrup means, a vertical prop forming leg secured at its upper end to said larger rectangular frame and provided at its bottom with a foot to rest on the floor or other supporting surface, and a brace secured to the lower end portion of said leg into the intermediate portion of said axle.

2,597,545

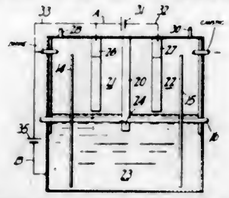
ELECTROLYTIC METHOD

Maurice C. Taylor, Niagara Falls, N. Y.

Application November 15, 1950, Serial No. 195,783
8 Claims. (Cl. 204—99)

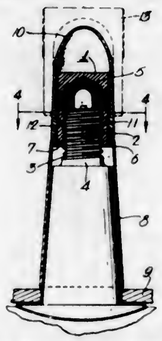
1. In the method of producing chlorine and alkali metal hydroxide by electrolyzing an aqueous solution of alkali metal chloride in contact with a continuous body of mercury to produce alkali metal amalgam, the improvement which comprises exposing the amalgam as an anode to

the action of water to produce alkali metal hydroxide and hydrogen, the amalgam being so exposed in a continually renewable film angularly inclined to the surface of the main body of amalgam, and connecting the cathode lead of an auxiliary electrical circuit to said continuous



body of mercury, and the anode lead of said circuit to the electrode in the alkali metal chloride compartment at which chlorine is discharged to raise the amount of alkali metal introduced into the mercury and increase the production of alkali metal amalgam.

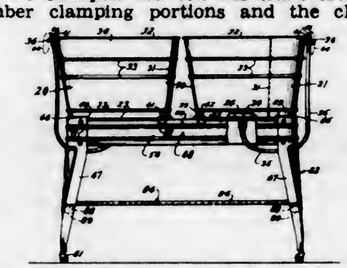
2,597,546
TAMPERPROOF VALVE CAP
Edward A. Teepell, Philadelphia, Pa.
Application June 17, 1947, Serial No. 755,047
5 Claims. (Cl. 138—89.3)



1. In a valve stem cap device, an internally threaded inner cap member arranged for threaded engagement with a valve stem and having in the external wall thereof a circumferentially extending recess, a continuous circumferential flange projecting outwardly from the inner end of said inner cap member, an outer cap member rotatably mounted upon said inner cap member and having an internal bead projecting into the recess of said inner cap member operable to secure said outer cap member against axial displacement with respect to the inner cap member while permitting substantially free rotation of said cap members relative to each other, said outer cap member closely surrounding said inner cap member and being distortable radially to thereby grip the inner cap member and cause rotation of said outer cap to be imparted to said inner cap.

2,597,547
TUB ASSEMBLY
Thomas Tiberi, Chicago Heights, Ill.
Application April 1, 1949, Serial No. 84,932
2 Claims. (Cl. 220—23.2)

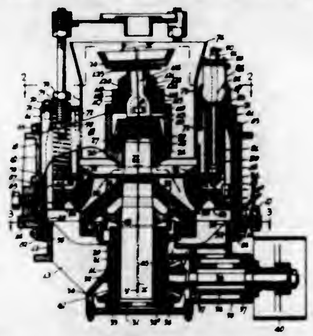
2. In a twin tub assembly, the combination of a pair of laundry tubs, each of said tubs having a bottom and a continuous side wall joined together by a seam which projects outwardly beyond the lower part of the side wall, forming an outwardly projecting rib about the bottom of each tub, a channelled frame having a wide vertical web, and having side flanges projecting inwardly, the uppermost of said side flanges forming a seat for the tubs when placed side by side and supporting the tubs on three sides, a transverse clamping member carried by said frame above said uppermost flange, midway between the ends of the frame, said transverse clamping member having its edges adjacent said tubs formed with a concave clamping surface which is complementary to the adjacent projecting part of the seams of both tubs, and four legs, the said legs having wide attaching flanges complementary to the four symmetrically located portions of the frame, to which they are attached by bolts, the said legs projecting above said uppermost flanges of said frame, and the projecting portion being concavely curved on the side toward said tubs complementarily to the adjacent portion of the tub seams providing a clamping portion at the top of each leg, the size of the frame and the spacing and shape of the transverse frame member and leg clamping portions being such relative to the size of the bottoms of the tubs and the projecting seam portions thereof that the tubs rest on the upper horizontal flange of the frame and are clamped between the transverse frame member clamping portions and the clamping



portions of said legs engaging the seams of both tubs when the legs are drawn tightly against the frame by their securing bolts, the said clamping portions of said transverse frame member and of each of said legs being curved over the top of the projecting adjacent seam portions of the tubs, holding the tubs down against the frame, and maintaining the tubs, frame, and legs as a unitary assembly, the said tubs being substantially rectangular in plan and tapered toward their bottoms, and having rounded corners, and the said frame being substantially rectangular in plan and provided with similar rounded corners, the said legs being further braced by having the legs taper toward the bottom into narrow channel shape, and each leg having an angle bracket secured in it and provided with an elongated diagonally extending slot in the horizontal portion of each angle bracket, and a rectangular tray having an upstanding flange about its four sides, and having each of its corners provided with a depending tab, the said tabs extending through said elongated slots and holding the legs against movement relative to each other.

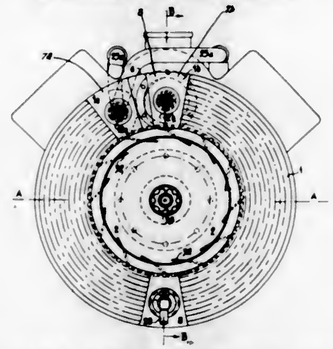
2,597,548
FRAME STRUCTURE FOR GYRATORY CRUSHERS
Samuel W. Traylor, Jr., Allentown, Pa., assignor to Samuel W. Traylor, III, Allentown, Pa.
Application February 10, 1948, Serial No. 7,353
8 Claims. (Cl. 241—290)

5. In a gyratory crusher, a concave disposed for coaction with a crushing head, means supporting said concave in the normal working position thereof, a plurality of springs normally urging the concave into said normal working position and yieldable under predetermined stresses to effect displacement of the concave from the crushing head by the passage of uncrushable material therebetween, a plurality of cylinders each having a limited universal mounting in a fixed part of the crusher, a rod extending coaxially through each cylinder and connected at one end



to said concave, a piston secured on said rod and operable in said cylinder, hydraulic fluid in said cylinder opposing movement of the piston therein, and valve means associated with said piston providing relatively free passage of said fluid relative to the piston in the direction of movement corresponding to displacement of said concave and relatively restricted passage of said fluid in the other direction of travel of the piston so that the return of the concave to working position is substantially retarded.

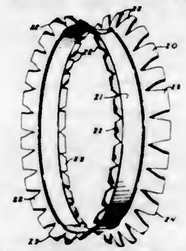
2,597,549
COOLING DEVICE FOR ENGINES
Fernand Trembley, Bellerive, Geneva, Switzerland, assignor to Societe de Recherches Techniques et D'Exploitations Industrielles, Geneva, Switzerland, a corporation of Switzerland
Application September 26, 1949, Serial No. 117,906
In Switzerland October 18, 1948
8 Claims. (Cl. 123—41.48)



1. A cooling device for an internal combustion engine having a water cooling system, said device comprising an exchanger located between the liquid of the said water cooling system and cooling air, said exchanger including a pile of hollow cooling elements, said cooling elements being in the form of annular sectors having undulated surfaces, the concentric waves of two adjacent

elements being relatively displaced and interengaging one another in such a manner as to form sinuous radial passages between adjacent pairs of elements, at least one inlet tube for said cooling liquid, at least one outlet tube for said cooling liquid, said elements being mounted on said tubes, jointing elements between said elements and said tubes, and a turbine, means of communication between the interior of said tubes, the spaces between said cooling elements and said turbine, said turbine being driven by said engine and propelling air through said radial passages, a circulating pump to which said outlet tube is connected, a casing block for said internal combustion engine, a shaped shell connecting said pump to said casing block, said shell forming a suction nozzle, and a flexible joint connecting said nozzle to said tube.

2,597,550
PRESSURE SEALING DEVICE FOR VULCANIZING PNEUMATIC TIRES
Norman H. Tritt, Akron, Ohio
Application November 18, 1949, Serial No. 128,123
5 Claims. (Cl. 18—38)



2. A device for pressure-sealing reception between the opposed inner bead portions of a tire casing in a sectional cavity mold for vulcanization of the tire therein under heat and internal pressure, comprising an annulus of resilient plastic material and of channel-shaped cross-section, providing laterally opposed annular flange portions extending radially outwardly, the normal lateral spacing between the opposed flange portions being greater than the spacing between said tire bead portions in said mold, and the shape of the flange portions corresponding substantially to that of said inner bead portions, whereby said flange portions will yieldingly engage and conform to said inner bead portions, and insert means embedded in and axially coextensive with said annulus and extending circumferentially around the same, said insert means having axially spaced rows of circumferentially spaced springy tangs extending freely within said flange portions, said insert means being segmental with the segments thereof circumferentially spaced around said annulus, each said segment including oppositely disposed said tangs thereon being generally channel-shaped in lateral cross-section.

2,597,551
WEED GUARD FOR OUTBOARD MOTORS
William W. K. Van Nort, Cabin John, Md.; Catherine H. Van Nort executrix of said William W. K. Van Nort, deceased
Application March 24, 1950, Serial No. 151,611
1 Claim. (Cl. 115—42)

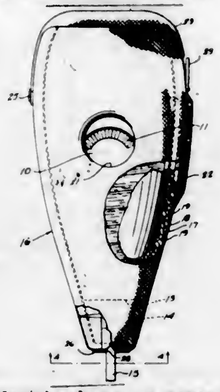
A weed guard assembly for an outboard motor comprising a flat member of resilient material shaped to constitute a flat loop having its inner side shaped to fit the front side of an outboard

motor stem and its outer side longitudinally curved and spaced from said inner side, split clamps secured at spaced apart locations to said inner side for attaching the assembly to a motor stem, a bowed spring secured intermediate its length to one side and bearing at its ends on the other side of said loop, flat eyes secured to said other side and slidably receiving the respec-



tively opposite ends of said spring, guard fingers secured each at one end to the outer side of said loop, and transversely extending braces secured to the outer side of said loop and to said fingers, said fingers being arranged in pairs spaced apart longitudinally of the outer side of said loop with the two fingers of each pair disposed at respectively opposite sides of said outer side and diverging symmetrically from the latter.

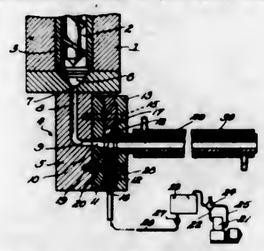
2,597,552
COMBINED COVER AND SILENCER FOR ELECTRIC SHAVERS
Stanley T. Wagner, Chicago, Ill.
Application September 24, 1948, Serial No. 50,967
3 Claims. (Cl. 30—90)



1. In an electric shaver, a cover for the body of the shaver, said cover including a relatively thick inner ply of tubular form, said ply being substantially complementary to said body and formed to receive the same therein with the head of the shaver exposed, said ply being of sound insulating material, a relatively thin cover ply enclosing said inner ply, and a cap for said shaver head hingedly connected to one end of said cover ply.

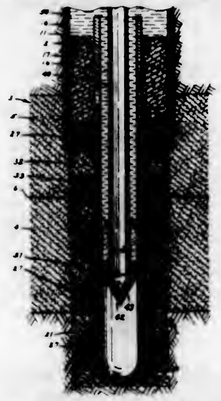
2,597,553
APPARATUS FOR LUBRICATING PLASTIC MATERIALS UNDERGOING EXTRUSION
Donald J. Weber, Richwood, Ohio
Application September 17, 1948, Serial No. 49,798
7 Claims. (Cl. 18—12)

1. Apparatus for extruding organic plastic materials, comprising a die head having a forming orifice through which plastics in a heated formative state are advanced under positive flow conditions, said head being formed with a chamber, a lubricating ring positioned in said chamber, said ring having an inner wall of uniform diameter throughout its length, said wall defining an opening forming a part of said orifice, the outer wall surfaces of said ring possessing a tapered formation which in association with the inner wall surfaces define a ring body progressively increasing in cross-sectional thickness from one side thereof to the other, said body being formed from a material having a porosity admitting of



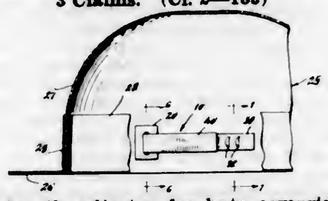
the passage of a lubricant therethrough under pressure, and means for introducing a lubricant under pressure into said head chamber for passage through said ring in which the greatest amount of the lubricant passes through that portion of the ring having reduced body thickness and through which portion the plastic material initially passes upon entering the ring and a relatively reduced amount of the lubricant through that portion of the ring possessing maximum body thickness and from which thicker portion, the plastic material travels immediately prior to being discharged from the ring.

2,597,554
GRAVEL PACK COMPLETION METHOD
Thomas S. West, San Antonio, Tex., assignor of 765/2000 to Blanco Oil Co., San Antonio, Tex., a corporation of Texas, and 255/2000 to A. A. Buchanan, San Antonio, Tex.
Application May 15, 1947, Serial No. 748,217
9 Claims. (Cl. 166—26)



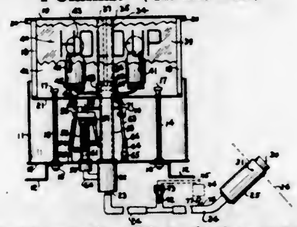
1. In a method of well completion employing a filter pack of granular material disposed in the annular space between the producing formation and an adjacent perforate screening section of a screen member for screening said producing formation, the improvement which comprises arranging said filter pack in the form of alternate, superimposed and substantially horizontally disposed layers of granular material extending between the bore wall of the producing formation and the perforate screening section, each layer having a multiplicity of inter-granular flow passages of an effective size determined by the size and shape of the component granules, the flow passages of one of the alternate layers of granular material being effectively larger than the flow passages of the next adjacent layer and larger than the effective flow passages of the adjacent producing formation.

2,597,555
HAT SIZE ADJUSTER
Louis Widder, New York, N. Y.
Application January 18, 1949, Serial No. 71,489
3 Claims. (Cl. 2—183)



1. A length adjuster for hats comprising, in combination with a hat crown having mounted on the exterior face thereof a ribbon and on the interior face thereof a sweat band; longitudinally spaced first and second plate members extending in the same horizontal plane and attached to the interior face of said hat crown inwardly of said sweat band, each of said plate members having a pair of spaced material piercing bendable prongs extending through said hat crown and folded beneath the ribbon, said first plate member having a loop, an elastic element secured at its one end to the loop of said first member and extending longitudinally therefrom, a hook secured to the free end of said elastic element, a series of spaced hook receiving means on said second plate member, whereby to provide, upon disposing of the hook in the respective hook receiving means, for incremental displacement of the portion of the hat crown between the respective plate members.

2,597,556
HOLDUP SIGNALING DEVICE
James Neal, Sr., Detroit, Mich.
Application July 21, 1948, Serial No. 39,885
4 Claims. (Cl. 116—39)

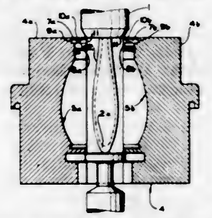


1. A hold up signalling device comprising a housing, a signal support normally positioned therein, hydraulic mechanism in said housing interconnecting said housing with said support for effecting relative upward movement of the latter, a manually controlled remote source of pressure fluid joined to said mechanism, a latch in said housing retainingly engaging said support, secondary hydraulic mechanism interconnecting said latch and said first hydraulic mechanism for releasing said support upon application of said manual control, a second latch retainingly engaging said support when in elevated position whereby said manual control may be released, and means interconnecting said latches for releasing said second latch upon a second application of said manual control.

2,597,557
NITRIC ACID TREATMENT OF POLYETHYLENE TEREPHTHALATE STRUCTURES
Leonard Edward Amborski, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 25, 1949, Serial No. 95,379
3 Claims. (Cl. 8—115.5)

1. A method for improving the elongation characteristics of drawn, oriented yarns, filaments, and fibers of polyethylene terephthalate which comprises contacting said structures with an aqueous nitric acid solution at a temperature of from 0° C. to 95° C. until structures of the desired elongation and tenacity are obtained and thereafter washing said structures and drying same, whereby to produce drawn structures having increased elongation.

2,597,558
METHOD OF MANUFACTURING PLASTIC ARTICLES
James Bailey, West Hartford, Conn., assignor to Plax Corporation, West Hartford, Conn., a corporation of Delaware
Application June 8, 1948, Serial No. 31,715
9 Claims. (Cl. 18—55)

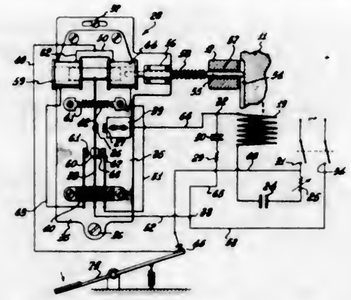


1. The process of forming hollow articles of organic plastic material which comprises extruding a tube of such material from an extrusion nozzle, closing a sectional mold about a portion of the tube, closing the leading end of said tube, expanding said closed tube into contact with said mold to form within the mold a container including a neck portion having a bulbous moil, severing said moil and container from the tube, applying fluid pressure to the interior of said mold and container and setting said container against further plastic deformation, removing said container and moil from within the mold and cutting the bulbous moil from the neck portion.

2,597,559
ELECTROMAGNETICALLY OPERATED MECHANISM USING RESONANCE EFFECTS
Andrew Bekey, Los Angeles, Calif.
Application July 18, 1949, Serial No. 105,390
2 Claims. (Cl. 175—335)

1. In an electromagnetically operated mechanism having a armature or the like movable be-

tween attracted and unattracted position: electromagnet coil means adapted to attract said armature; means yieldingly urging said armature to a definite unattracted position a capacitance in series with said electromagnet coil means and having a reactance equalled by that of said electromagnet coil means when said armature is intermediate attracted and unattracted position; circuit means connecting said electromagnet coil means and said capacitance to a source of electrical energy; a circuit con-

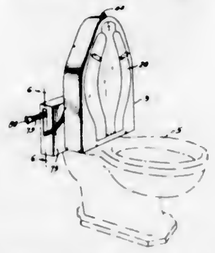


troller mechanism interposed in said circuit means; spring means biasing said circuit controller to open position; means closing said circuit controller mechanism including a remote control switch; means operated by said armature for opening said circuit controller; and means responsive to operation of said circuit controller opening means and dependent upon the continued closing of said remote control switch for preventing the closing of said circuit controller.

2,597,560

FLUSHING DEVICE FOR TOILETS

Kurt Beyrodt, Williston Park, N. Y.
Application May 19, 1948, Serial No. 28,029
2 Claims. (Cl. 4—250)

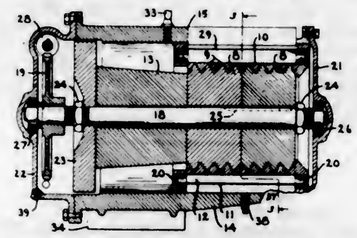


1. In an automatic flush device for toilet bowls, a seat adapted to co-operate with the bowl, a shaft supporting the seat, a spring for moving the seat upwardly from substantially horizontal position, a contact device, a bar carried by the shaft for actuating the contact device upon such movement to close an electric circuit, a solenoid energized by the current in the circuit, a flush valve, and a connection between the flush valve and the solenoid whereby the valve is actuated, including a rod connected to the flush valve, a coiled spring surrounding and extending beyond the rod and forming a manually operable handle, a washer disposed between the coils of the spring and engaging the rod and a spring connected to the washer and to the solenoid.

2,597,561

MAGNETIC SEPARATOR

Karl A. Blind, Thiensville, Wis., assignor to Dings Magnetic Separator Co., Milwaukee, Wis., a corporation of Wisconsin
Application October 15, 1949, Serial No. 121,499
5 Claims. (Cl. 209—219)

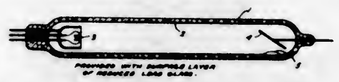


1. A magnetic separator comprising, a rotary permanently magnetized block providing a source of magneto-motive force, a continuous annular magnetic material pick-up pole extending axially from one end of said magnetized block in contact and rotatable therewith, a cooperating magnetic pole consisting of a coaxially disposed disc of magnetic material contacting and rotatable with the opposite end of said magnetized block and a stationary keeper of magnetic material providing a pole extension cooperable with the periphery of said disc, said keeper extending substantially parallel to the axis of an outwardly spanning said magnetized block and being cooperable with said annular pick-up pole throughout the width and outwardly beyond the periphery thereof to provide a separating zone of magnetic influence between said rotatable pick-up pole and said stationary keeper, and means for removing magnetic particles from said pick-up pole as said pole is rotated.

2,597,562

ELECTRICALLY CONDUCTING LAYER

Katharine B. Blodgett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Continuation of abandoned application Serial No. 724,961, January 29, 1947. This application March 30, 1949, Serial No. 84,466
16 Claims. (Cl. 201—73)



1. The method of imparting a predictable high surface resistivity to lead glass which comprises forming a thin surface film of silica on a specimen of lead glass having a lead oxide content of at least 60% by weight, and heating said specimen in a reducing atmosphere at a substantially constant temperature selected from the range of about 300° C. to 500° C. for a time correlated with the selected temperature.

2,597,563

AIRPLANE WITH DETACHABLE FUSELAGE

James H. Breaseale, Jr., St. Louis, Mo.
Application December 3, 1945, Serial No. 632,376
3 Claims. (Cl. 244—118)

1. In an airplane, a self-sustaining flying unit comprising a center section, a wing mounted on each side of the center section with their respective leading edges being co-extensive, propulsion

means and a pilot's compartment in the center section, the wings having a chord length approximately equal to the span of the flying unit and extending rearwardly beyond the trailing edge of the center section, adjustable control surfaces on the trailing edges of the wings, extensible and retractable landing gear on the flying unit, a complete fuselage attachable to and detachable from the flying unit and having an extensible and retractable landing gear thereon, the landing gear of both the flying unit and the fuselage cooperating in the landing of the composite air-



plane, cooperating latch members on the upper side of the fuselage and on the lower side of the flying unit, a locking means on the flying unit operatively associated with the cooperating latch members to effectively lock and hold the fuselage to the flying unit, the landing gear of the flying unit being extensible beyond the landing position to lift the flying unit from the fuselage so that when the cooperating members are released by the locking means the fuselage may be separated wholly from the flying unit and a new fuselage attached by the relative vertical movement between the flying unit and the fuselage.

2,597,564

STITCH AND SEAM OPENER

Kenly C. Bugg, Fort Wayne, Ind.
Application January 31, 1948, Serial No. 5,611
3 Claims. (Cl. 30—298)

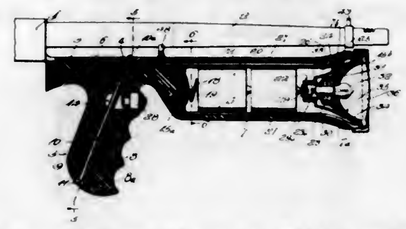


1. In a device of the character described, the combination of a thimble handle, comprising a substantially tubular member having an open end and a closed end, said closed end having a slit extending diametrically thereof, a blade extending through said slit and upwardly from said closed end, said blade having side edges and a rounded outer end which is unsharpened, the side edges having reentrant, arcuate sharpened cutting edges formed thereon of different radii, the arcuate cutting edge of smaller radius merging into said rounded outer end to form a sharp point and the radius thereof being small enough to leave a portion of its respective side edge unsharpened, the said sharp point extending outwardly of a line extended upwardly from the unsharpened side edge, the arcuate cutting edge of larger radius extending for substantially the entire length of its respective side edge from adjacent the thimble handle to the rounded outer end, a flat portion being provided where said cutting edge merges into the rounded outer end and which flat portion is substantially parallel to the axis of the thimble handle, and means in said thimble handle for securing the inner end of the blade to prevent said blade from being withdrawn from said thimble handle either internally or externally thereof, the thimble handle being rotatable on an operator's finger without removal thereof whereby the action of one cutting edge can supplement that of another, without substantial interruption in the constant use of the device.

2,597,565

FLASHLIGHT ATTACHMENT FOR GUNS

Daniel Gordon Chandler and William Wiley Bryson, Columbus, Miss.; said Bryson assignor to said Chandler
Application November 12, 1949, Serial No. 126,722
2 Claims. (Cl. 240—6.41)



1. An attachment for guns of the type having a linearly extending barrel and a longitudinally extending supporting bar there-beneath, a molded plastic member of insulation material grooved adjacent the top of one end thereof for engagement with the longitudinally extending supporting bar, said member including a handgrip depending beneath the grooved end thereof, means extending through said handgrip and detachably engaging said supporting bar, a cylindrical light housing in said mmeber extending beneath the barrel of the gun, a flashlight removably secured in said cylindrical light housing, said flashlight including a metallic casing, a light unit mounted in said casing and having a pair of terminals, a battery interposed between one of said terminals and said metallic casing, a metallic supporting member insulated from said metallic casing and connected with the other terminal of said light unit, a pair of electrical conductors, one of said conductors being bonded to said metallic casing and the other of said conductors extending through said metallic casing in insulated relation thereto and bonded to said metallic support, said electrical conductors extending longitudinally of said metallic casing and through said member, and a push button control switch mounted in said handgrip in a position substantially aligned with the axis of said cylindrical light housing and electrically connected with said conductors for momentarily activating said light unit for projecting a beam of light upon a target, the center of which is aligned with the barrel of the gun.

2,597,566

METHOD OF PREPARING A SOLUBLE PROTEIN FROM KERATINACEOUS MATERIALS

Bernard Chiego, Newark, N. J., assignor of sixteen and two-thirds per cent to Frank Gardner, Baltimore, Md., and fifty per cent to Eliot D. Pratt, New York, N. Y.
No Drawing. Application November 19, 1949, Serial No. 128,496
12 Claims. (Cl. 260—123.7)

6. The method of preparing from keratinaceous materials, a soluble protein that is highly edible as an animal and poultry food and that is free from objectional colors, which consists in subjecting said materials to the action of oxides and hydroxides from the group consisting of calcium and magnesium and mixture thereof, to-

gether with a small amount of bisulfite selected from the group consisting of sodium and potassium, in water at a steam gauge pressure ranging from approximately 50 to 100 lbs. and for approximately 1 to 3 hours, then reducing the pressure and separating the residue from the solution containing the keratinaceous material, then filtering the solution and drying the filtered material.

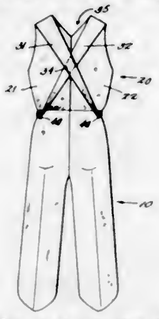
2,597,567
HERMETICALLY SEALED MEAL COMPACT
Ilio Como, Chicago, Ill.
Application February 24, 1951, Serial No. 212,567
8 Claims. (Cl. 220—8)



1. Hermetically sealed meal compact means, comprising an outer container element provided with an intermediate shoulder portion defining a reduced liquid compartment, an intermediate container element provided with an intermediate shoulder portion and a reduced compartment, the said intermediate container element nested within the said outer compartment element and having its bottom portion resting on the said first-mentioned intermediate shoulder portion also having its top edges in the same horzontal plane with the edges of the said outer container element, an upper container element provided with an intermediate shoulder portion in abutting relationship with both the said first-mentioned top edges and the said second-mentioned top edges, the bottom portion of the said upper container element resting on the said second-mentioned intermediate shoulder portion, a cover element secured to the said upper container element, a locating bead portion provided adjacent the top edges of the said outer container element, and a sealing ribbon securing the edges of the said cover element to a lip portion above the said locating bead portion and provided with a free end engageable by a key for severing the said sealing ribbon to permit its removal rendering accessible the various compartments in the said meal compact means.

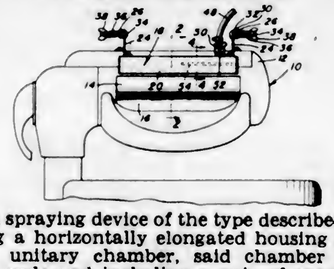
2,597,568
SURGEON'S GOWN
Helen C. Cookman, New York, N. Y.
Application July 29, 1948, Serial No. 41,325
1 Claim. (Cl. 2—79)

An overall garment comprising full-length trousers having a fly in front and a two-part chest covering having a central vertical line of division forming an extension of said fly, said trousers being provided with loops at each side substantially at waist level, the parts of said chest covering extending upwardly from the top of said trousers to substantially neck and shoulder height with the two parts releasably fastened along said line of division, the shoulder portion of each chest covering part having connected thereto as a continuation thereof, a band of a length extending diagonally across the back of the wearer from shoulder to waist and through a loop and substantially half way around the wearer's waist with sufficient excess length for



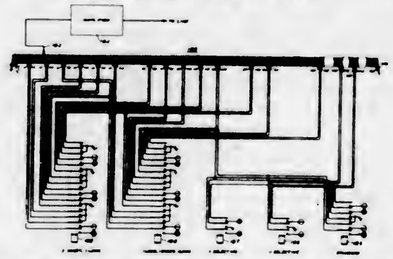
knotting with the end of the band extending from the other chest covering part.

2,597,569
RINSING ATTACHMENT FOR WRINGERS
Orin N. Cooper, Garwin, Iowa
Application August 5, 1949, Serial No. 108,725
3 Claims. (Cl. 299—141)



1. A spraying device of the type described, comprising a horizontally elongated housing affording a unitary chamber, said chamber having closed ends and including a pair of spaced side walls, a top wall, and a bottom wall provided at the lower edges of said side walls with longitudinally extending slots defining a pair of elongated outlet nozzles, a water inlet port provided on said housing and communicating with the upper portion of said chamber, and a baffle plate secured in said housing under said inlet port, said baffle plate being substantially shorter than said chamber and being spaced at least from one of said side walls.

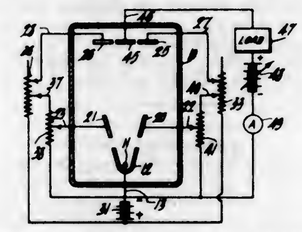
2,597,570
VARIABLE IMPULSE TRANSMITTER
Howard L. Coyne, Nassau, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 23, 1948, Serial No. 67,009
10 Claims. (Cl. 177—380)



1. In a telephone signaling apparatus, signal generating means comprising a voltage divider,

two windings therefor, a source of potential of one polarity connected to one of said windings at a plurality of points thereon, a source of potential of the opposite polarity connected to the other of said windings at a plurality of points thereon, a source of ground potential connected to said windings at points intermediate the points to which said sources of potential are connected, and a brush continuously traversing said windings, whereby a modulated alternating voltage is produced.

2,597,571
CATHODE-RAY WAVE GENERATOR
Carmen L. Cuccia, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1948, Serial No. 29,860
3 Claims. (Cl. 250—36)



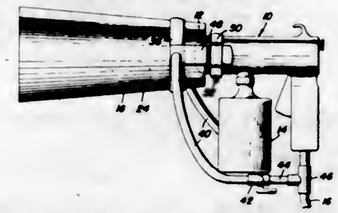
1. A wave generator comprising in combination an evacuated envelope, an electron gun mounted in one end of said envelope, said electron gun having a cathode and being adapted to project a continuous ribbon beam of electrons, a first target and a second target mounted so as to intercept said beam of electrons, a first deflection plate and a second deflection plate mounted on either side of the neutral position of said beam, said deflection plates being adapted to deflect said beam along a line that is perpendicular to the plane of said ribbon beam, a source of potential having positive and negative terminals, a first resistance connected between said first target and said positive terminal, said first deflection plate being coupled to said resistor, a second resistor coupled between said second target and said positive terminal, said second deflection plate being coupled to said second resistor, a third target mounted between said first and second targets so that the electron beam strikes it as it moves back and forth between the first and second targets, a load and a source of fixed potential connected in series between said third target and the cathode of said electron gun.

2,597,572
APPARATUS FOR MERCERIZING CLOTH
Maurice S. Dayan, New York, N. Y.
Application May 14, 1949, Serial No. 93,390
8 Claims. (Cl. 26—51)



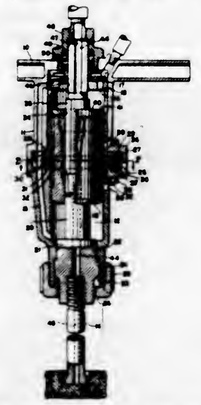
1. Apparatus for mercerizing tubular cloth comprising a vessel for a mercerizing agent and a vessel for a washing medium, a pair of rolls for engaging the cloth adjacent the intake end of the first vessel, a pair of rolls adjacent the outlet end of the other vessel, and a spreader frame extending through both vessels.

2,597,573
SPRAYING APPARATUS
Jerald S. De Groff, Little Genesee, N. Y.
Application October 3, 1949, Serial No. 119,255
1 Claim. (Cl. 299—140)



In apparatus of the character described, a paint sprayer, a nozzle therefor, an elongated frusto-conical open-ended shell disposed forwardly of said nozzle and in axial alignment therewith, the smaller end of said shell being positioned adjacent said nozzle and surrounding the same in spaced relationship, said frusto-conical shell comprising a pair of spaced walls forming an annular air chamber therebetween which is open at its outer end, means comprising a plurality of ports communicating with said air chamber and arranged circumferentially about said shell for admitting air under pressure thereto, tubular adapters projecting laterally from the shell and communicating with said ports, conduit means communicating with said adapters and a source of compressed air for delivering air under pressure into said chamber for discharge through said open-end portion thereof, and means for adjustably fastening said shell to said paint sprayer nozzle, said last mentioned means comprising straps mounted on said adapters and extending rearwardly therefrom, and a clamp securing rear portions of said straps to said nozzle.

2,597,574
PERCUSSION TOOL
Ernest H. Dickenson, Johannesburg, Transvaal, Union of South Africa, assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application December 1, 1948, Serial No. 62,859
4 Claims. (Cl. 121—7)



1. In a rock drill, the combination of a reciprocable working implement and a motor having a reciprocatory hammer piston for actuating the working implement, means extending through

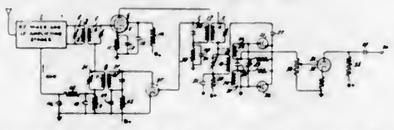
the hammer piston for transmitting the blows of the hammer piston to the working implement, means for securing the first mentioned means to the working implement, a mechanism for rotating said piston, and means on the hammer piston and on the first mentioned means slidably interlocked with each other for transmitting the rotary movement of the piston to the first said means.

2,597,575

FREQUENCY MODULATION REFLEX LIMITING CIRCUIT

Robert B. Dome, Geddes, N. Y., assignor to General Electric Company, a corporation of New York

Application March 1, 1949, Serial No. 78,906
5 Claims. (Cl. 250—20)



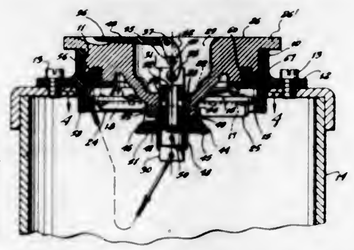
1. An amplifying and limiting circuit for a frequency modulation system, comprising a first electronic discharge device having an input circuit and an output circuit, said input circuit being adapted to receive a carrier wave frequency modulated about a fundamental center frequency in response to a signal and subject to undesirable amplitude modulation, a first network connected to said output circuit, said first network being tuned to said fundamental frequency, a second electronic discharge device having an input circuit connected to said first network and an output circuit tuned to a harmonic of said fundamental and connected to the input circuit of said first device, and a second network connected to the output circuit of said first device, said second network comprising a balanced frequency discriminator tuned to said harmonic.

2,597,576

CLOSURE FOR PRESSURIZED FUEL TANKS AND THE LIKE

Timothy F. Donovan, Teaneck, N. J., assignor to Air Associates, Incorporated, Teterboro, N. J., a corporation of New Jersey

Application December 3, 1948, Serial No. 63,226
2 Claims. (Cl. 220—44)



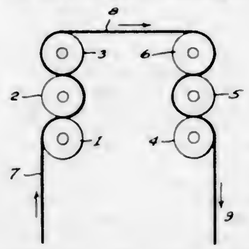
1. In a tank and closure therefor, a tank having a frame affixed thereto provided with a circular wall defining an opening, a closure adapted to seat on said frame and having an inwardly directed annular portion rotatably engaging in the said opening and fitting said circular wall to provide a seal therebetween, rim sections disposed in spaced relation and extending inwardly from said circular wall, a plunger mounted for reciprocatory movement in a central bore in said closure, a hand lever having a downwardly directed inner end portion, said hand lever being pivotally connected to said closure on an axis extending through said inner end portion and located at right angles to the axis of the plunger, a link pivotally connected to said plunger at its inner end and pivotally connected at its outer end to said hand lever between the free end thereof and said downwardly directed inner end portion to dispose said last mentioned pivotal connection at one side of the axis through the plunger for lowering the plunger with the movement of the hand lever to upwardly extending relation and for raising the plunger with the movement of the hand lever to aligned relation with the closure, and a cross member secured to the inner end of the plunger and adapted to pass through the spaces between said rim sections when the hand lever is in upwardly extending relation and to be rotated with the closure to engage against the under side of said rim sections for attaching the closure to the frame and to be tightened against the said rim sections by the movement of the hand lever to said aligned relation.

2,597,577

RAYON YARN

Nicolas Drisch and Roland Brepson, Paris, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands, a corporation of Great Britain

Original application May 14, 1949, Serial No. 93,416. Divided and this application December 8, 1951, Serial No. 260,704. In Great Britain March 4, 1949
1 Claim. (Cl. 57—140)



A fine yarn of low shrinkage characteristics and of a tenacity when dry of at least 3.5 per denier, said yarn being formed by twisting a roving of staple fibers, said staple fibers being formed by cracking a bundle of viscose rayon filaments of at most 0.5 denier having in the air-dry condition a tenacity greater than 4.8 g. per denier, an elongation at breaking point greater than 8% and a work-till-rupture value of at least 20 g. cm. meter/denier, said filaments being prepared by extruding into a bath of sulphuric acid at normal room temperature a viscose prepared from cellulose containing less than 25% by weight of molecular chains with a degree of polymerization below 500 and less than 4% by weight of molecular chains with a degree of polymerization below 250, said viscose being prepared from alkali cellulose of which the mean degree of polymerization after ripening is greater than 450, which viscose has a degree of xanthogenation (γ) between 40 and 50, the concentration of sulphuric acid in the said bath being defined by the formula: Percentage concentration by weight of sulphuric acid $=1.26\gamma+8\pm3$, the extruded filaments being stretched to increase their length by 150% to

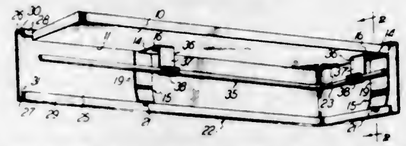
280% while they are still wet from the spinning bath, being washed in a more dilute acid bath, relaxed while still in the acid condition and finished and dried.

2,597,578

HANGER MEANS FOR VENETIAN BLINDS

Francis X. Ganter, Los Angeles, Calif.

Application February 26, 1951, Serial No. 212,738
18 Claims. (Cl. 160—19)



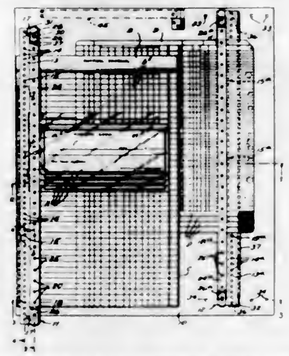
1. Mounting means for supporting a fascia in position to conceal the holder of a Venetian blind from which the blind slats are suspended, said fascia having upper and lower longitudinally extending channels, comprising: a resilient clip member having connecting means at its ends releasably engageable in said channels to detachably connect said fascia to said clip member; and attaching means associated with said clip member and detachably connectible to the holder of the Venetian blind.

2,597,579

MULTIRECORD ACCOUNTING INSTRUMENT

Lawrence S. Gleaves, New York, N. Y., assignor to The C. E. Sheppard Company, Long Island City, N. Y., a corporation of New York

Application May 17, 1951, Serial No. 226,817
7 Claims. (Cl. 282—29)



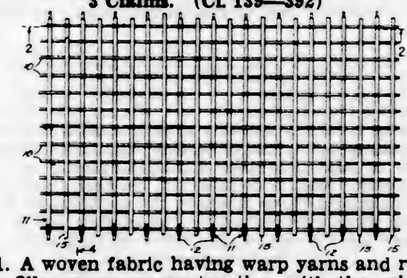
1. A multi-record accounting instrument comprising a base structure, means near one side of said base structure for holding one or more record sheets, means near the opposite side of said base structure for holding one or more record sheets with the sheet or sheets on one side overlapping the sheet or sheets on the opposite side for simultaneous copying through interleaving copy paper, one of said holding means comprising a row of pins along one side of said base structure fixed with respect to said base structure, a sheet holding bar having apertures therealong to receive said fixed pins in any one of a plurality of adjusted positions along said row of fixed pins and having sheet impaling pins extending therealong, and means for guiding said bar along said row of fixed pins for movement into adjusted position.

2,597,580

WOVEN ELASTIC FABRIC

Sidney J. Gluck, Brooklyn, N. Y.

Application June 26, 1951, Serial No. 233,661
3 Claims. (Cl. 139—392)



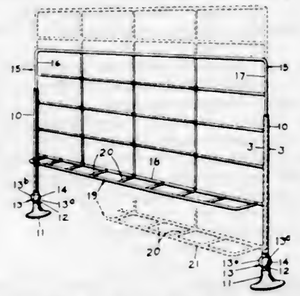
1. A woven fabric having warp yarns and rubber filler yarns woven together with the rubber filler yarns under tension and with the successive warp yarns passing over and under the filler yarns in succession, non-stretchable filler yarns disposed directly over each of said rubber filler yarns, spaced warp yarns passing over both filler yarns with intermediate warp yarns passing below said last filler yarn whereby said last filler yarn is secured to said rubber filler yarn at spaced points and spans several warp yarns therebetween, said non-stretchable filler yarn being the same length as the rubber filler yarn when in stretched condition, but forming loops between said spaced points when said rubber filler yarn is retracted to unstretched condition.

2,597,581

ADJUSTABLE MUSIC RACK

Pearl M. Grant, Decatur, Ill.

Application March 9, 1949, Serial No. 80,366
4 Claims. (Cl. 45—80)



1. A device for supporting reading matter such as books, music and the like comprising a pair of oppositely positioned spaced apart hollow standards and a frame having each end portion thereof slidably mounted within one of said standards for adjustment longitudinally along the axis of the said standards, each end portion of said frame being slightly curved, to thereby provide frictional resistance to any longitudinal movement of the said end within the said standards.

2,597,582

JET-PROPELLED ROTARY AIRFOIL AND FUEL VALVE

George A. Gruss, Erie, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Army

Application October 14, 1949, Serial No. 121,390
9 Claims. (Cl. 170—135.4)

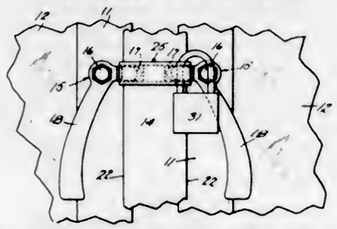
7. The combination with an airfoil having a

longitudinal axis and a rotation axis normal to said longitudinal axis, jet propulsion means carried by said airfoil remote from said rotation axis, a fuel line in said airfoil and extending from said rotation axis to said propulsion means, a valve in said fuel line adjacent said propulsion



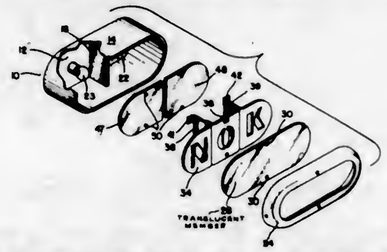
means, a sealed chamber adjacent said valve and including a diaphragm forming the radially outer wall of said chamber, a mass of liquid in said chamber, and a connection between said diaphragm and valve whereby the centrifugal force upon said valve caused by fuel in said line is balanced by the centrifugal force of said liquid.

2,597,583
FRENCH WINDOW LOCK
Neil O. Holmsten, New Rochelle, N. Y.
Application June 18, 1948, Serial No. 33,784
3 Claims. (Cl. 70—89)



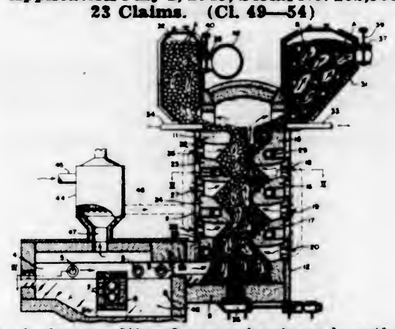
3. A locking device for latches for a swinging window adapted to close against a stationary frame, comprising a latch pivoted to said window having an arm to engage said frame for holding said window in closed position and when in latching position extending substantially horizontally, a second arm having a cross section similar to that of said latch arm and positioned on the frame in horizontal alignment therewith, a U-shaped clamp extending over said latch arm and over said second arm to secure said latch arm against movement independently of said second arm, said second arm being fixed against movement with said latch arm, said clamp and one of said arms having aligned openings to receive a locking device for preventing removal of said clamp by unauthorized persons.

2,597,584
MOTOR VEHICLE PASSING SIGNAL
Celestin J. Hopkins, Port Angeles, Wash.
Application January 22, 1951, Serial No. 207,217
4 Claims. (Cl. 177—329)



4. A traffic signaling device, comprising: a housing having a base portion and a wall portion outstanding from said base portion; a central baffle extending from said base and dividing said wall portion into two compartments disposed side by side; a first light bulb positioned in one of said compartments and a second light bulb positioned in the other of said compartments; a letter forming member positioned at the outer end of said wall portion and having a first portion opposite said first bulb, a second portion opposite said second bulb, and a third portion opposite said central baffle, said letter forming member having light obstructing means forming, when light passes through said first, second and third portions, the letter "N" in said first portion, the letter "K" in said second portion, and the letter "O" in said third portion; a first baffle member positioned in said housing and extending from said lettered member between said first portion and said third portion toward said base portion, and a second baffle member positioned in said housing and extending from said lettered member between said second portion and said third portion toward said base portion; said first, second and central baffles being disposed so that light passing from said first bulb illuminates only said first and said third portions and so that light passing from said second bulb illuminates only said second and said third portions.

2,597,585
GLASS MELTING METHOD AND APPARATUS
George E. Howard, Butler, Pa.
Application July 1, 1949, Serial No. 102,505
23 Claims. (Cl. 49—54)

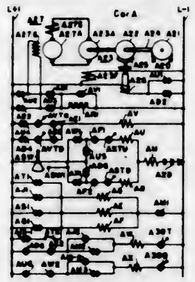


1. A glass-melting furnace having a hearth and a stack for receiving a column of glass-making materials, a plurality of baffles at opposite sides of the stack and projecting into the path of the materials as they move downwardly to the hearth, the baffles at each side being vertically offset with respect to the baffles at the other side of the stack, and means for directing burner gases into the column, from points below the various baffles, the baffles extending approximately the full width of the stack, at said opposite sides, and the burner gases being supplied at a plurality of points spaced longitudinally of the baffles.

2,597,586
ELEVATOR CONTROL SYSTEM
Phillip C. Keiper, Shrewsbury, and Walter H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1950, Serial No. 142,322
31 Claims. (Cl. 187—29)

19. In an elevator system for a structure having first and second terminal landings and a plurality of landings intermediate the terminal landings, a plurality of elevator cars each operable in first and second directions respectively towards the first and second terminal landings for serving the landings, call registering means

for registering calls for the landings, control means for each of the elevator cars for stopping the elevator cars at landings having calls registered by the call registering means, farthest call reversing means cooperating with the control means in response to registration of a call for one of the landings displaced in the first direction from certain of the elevator cars for stopping and reversing at least one of the elevator cars when traveling in the first direction at the farthest landing for which a call is registered by the call registering means, said farthest call reversing means if the registered calls are displaced



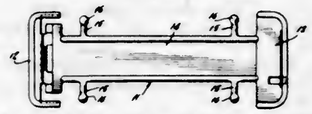
in the second direction from certain of the elevator cars being ineffective for reversing an elevator car, means cooperating with the control means for stopping and reversing each of the elevator cars when traveling in the second direction at the second terminal landing, and means responsive to registration of at least one call by the call registering means for a landing between one of the cars traveling in the second direction and the first terminal landing for stopping and reversing the last-named elevator car at an intermediate landing which in effect becomes temporarily an advanced second terminal landing.

2,597,587
PANTY GIRDLE COMBINATION
Abraham Lustgarten, New York, N. Y.
Application February 9, 1949, Serial No. 75,439
3 Claims. (Cl. 2—43)



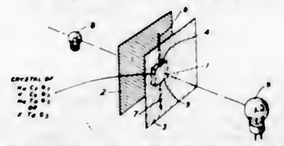
1. In combination with a lady's undergarment having opposed front and rear wall portions with inside faces, a separable crotch piece comprising a piece of cloth material having a narrow intermediate portion for extension beneath a wearer's crotch and wider front and rear end portions extended upward along the inside faces of the front and rear wall portions to have top corners located within the undergarment, opposed straps secured at their ends to the top corners of said front and rear end portions to engage about the wearer's legs beneath the undergarment, opposed vertical lines of spaced fasteners mounted on the inner faces of the front and rear wall portions, and single complementary fasteners mounted on said front and rear end portions midway between said top corners for selective engagement with desired fasteners of said vertical lines of spaced fasteners for vertically adjusting the position of said piece of cloth material with relation to the undergarment.

2,597,588
TOY VEHICLE WHEEL AND AXLE
Jack Manoil, Waverly, N. Y., assignor to Manoil Manufacturing Co., Inc., Waverly, N. Y., a corporation of New York
Application October 15, 1948, Serial No. 54,670
2 Claims. (Cl. 46—221)



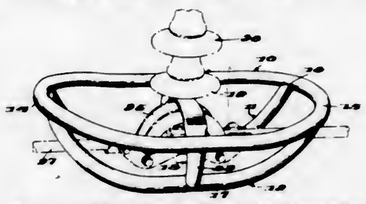
2. A toy vehicle comprising a cast vehicle chassis having integral oppositely extending axle forming studs with enlarged ends, and soft rubber-like wheels with axial holes through which the studs extend, the wheels being deformable to pass by the enlarged ends of the studs.

2,597,589
ELECTROOPTICAL DEVICE
Bernd T. Matthias, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 8, 1949, Serial No. 86,176
2 Claims. (Cl. 88—61)



2. An electro-optical device comprising a pair of spaced polarizing filters and disposed therebetween a crystal consisting essentially of at least one substance selected from the group consisting of sodium metacolumbate, potassium metacolumbate, sodium metatantalate and potassium metatantalate, said crystal having a pair of electrodes disposed on opposite surfaces thereof.

2,597,590
COMBINED GRADING AND CORONA SHIELD
Robert L. McCoy, Baltimore, Md., assignor to General Electric Company, a corporation of New York
Application June 3, 1948, Serial No. 30,933
10 Claims. (Cl. 174—144)



10. The combination with a transmission line conductor, of a clamp therefor, means for connecting said clamp to one end of an insulator assembly, and a combined grading and corona shield comprising a grading ring surrounding

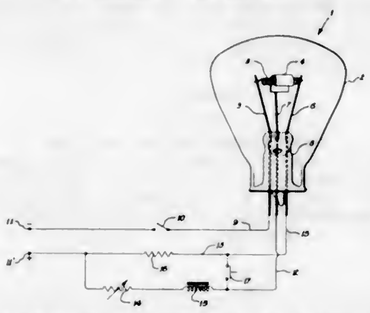
said clamp connecting means, said grading ring having oppositely disposed dished-up portions, spaced apart corona shielding members extending below said clamp and connected to said dished-up portions, said clamp being located between said shielding members and the space below said clamp being unobstructed by said shielding members whereby said clamp can be withdrawn downward from between said shielding members without interference from said members, and means connecting said shielding members to said clamp connecting means.

2,597,591

STARTING AND OPERATING CIRCUIT AND DEVICE FOR ELECTRIC DISCHARGE DEVICES

David C. Miller, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application June 29, 1948, Serial No. 35,938
4 Claims. (Cl. 315—94)



1. Apparatus for operating an electric discharge device of the type including a filamentary thermionic cathode and an anode, comprising: said device; a unidirectional voltage source, and a resistor, a heating circuit for said cathode constituted by connecting it, in series with said resistor, across said source; a main discharge circuit including the cathode-to-anode path of said device, an inductance, and a variable resistance, connected in series across said source; and a normally open switch, connected to place said variable resistance and inductance in parallel with said first-named resistor when operated, the reopening of said switch after operation providing an inductive voltage surge through said inductance for starting a discharge within said device.

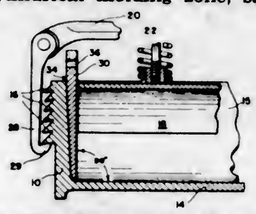
2,597,592

MOLD FOR SHAPING AND AMALGAMATING FOOD PRODUCTS

George A. Minder, Bremerton, Wash.

Application November 2, 1948, Serial No. 58,005
4 Claims. (Cl. 100—57)

4. A separable mold for shaping and amalgamating pieces of meat into a unitary, frozen mass; comprising: bottom, end and side wall means forming a rigid, metallic, upwardly open receptacle to receive and contain meat materials for shaping, said bottom being shaped to semi-cylindrical form and the inner face of said side and end walls rising thereabove in an outwardly flaring manner; a supplemental end plate juxtaposed against the inner face of each end of the receptacle and rising to above the mouth thereof, each said end plate being tapered between its faces so that in the juxtaposed position to an end face of the receptacle the inner face of the plate is perpendicular to the semi-cylindrical inner bottom of the receptacle; a presser member to fit down into said receptacle and having a semi-cylindrical lower face to oppose the semi-cylindrical bottom of the receptacle to therewith define a cylindrical molding zone, said presser



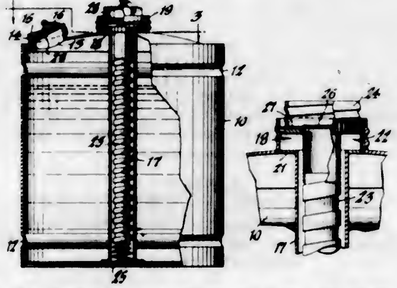
member extending from side to side of the receptacle and between the opposed faces of said supplemental end plates; and means for retaining said presser member in adjusted position in said receptacle and against the meat material contained therein.

2,597,593

DISPENSING CONTAINER WITH DETACHABLE SPOUT NESTABLE IN SAID CONTAINER IN NONUSE POSITION

Carl J. Neuner, Buffalo, N. Y.

Application February 16, 1948, Serial No. 8,549
3 Claims. (Cl. 222—479)



1. A dispensing container of the character described, comprising a can body provided in its top with an opening disposed adjacent one side thereof and constituting a combined filling and discharge opening and a second opening therein remote from the first-named opening, threaded necks rising from the top of the can body about said openings, one of said necks being of larger diameter than the other, closure caps therefor, a tube disposed within said can body and forming a chamber in isolated relation to its contents and registering at its upper end with said second opening and having an ejecting spring in its lower end, and a spout removably housed in said chamber and adapted for operative pouring connection to the discharge opening, said spout having a connecting means at one end thereof of a size to freely nest within the neck of said second opening when housed in said chamber and to engage the neck of the discharge opening in its pouring position, the other end of said spout abutting against said ejecting spring when housed in said chamber.

3. A dispensing container of the character described, comprising a can body provided in its top with an opening disposed adjacent one side thereof and constituting a combined filling and discharge opening and a second opening therein remote from the first-named opening, threaded necks rising from the top of the can body about said openings, one of said necks being of larger diameter than the other, said larger diameter neck having a vent therein opening at one end into the can body and at its other end into the atmosphere, closure caps for said necks, the cap for the larger neck sealing the vent thereof in the non-use condition of the container, a tube disposed in said can body and forming a chamber in isolated relation to its contents and opening at its upper end within said larger neck, and a flexible spout removably housed in said chamber and adapted for operative pouring connection to the discharge opening, said spout being provided at one end with an attaching screw cap normally freely nested within said larger neck and adapted for operative screw-threaded connection to the companion neck of the discharge opening in its pouring position.

2,597,594

NAIL EXTRACTOR FOR MECHANICAL HAMMERS

Claude J. Nissley, Telford, Pa.

Application July 5, 1949, Serial No. 103,073
5 Claims. (Cl. 254—19)

1. A nail extractor for use with a mechanical hammer, comprising a tubular sleeve having its upper end internally threaded for connection to external threads on the lower end of the hammer, a piston having a limited longitudinal movement in said sleeve, the upper end of said piston being positioned to be acted upon by a blow imparting element of the hammer and the lower end of said piston projecting from said sleeve and having a claw formed thereon, and a second claw pivotally connected to the first mentioned claw the terminal portions of said claws facing each other and said second claw having a lever projecting therefrom to the rear of said first mentioned claw.

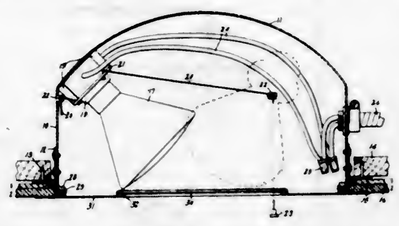
2,597,595

RECESSED CEILING FIXTURE HAVING MAGNETICALLY ATTACHABLE AND ADJUSTABLE LIGHT SOURCE

Arthur F. Ordas, Huntertown, Ind., assignor to General Electric Company, a corporation of New York

Application July 27, 1951, Serial No. 238,900
4 Claims. (Cl. 240—52.15)

1. A light fixture comprising a dished shell of magnetic material, a lamp bulb, a socket for said lamp bulb, permanent magnet means for movably mounting said socket on said shell, and draw



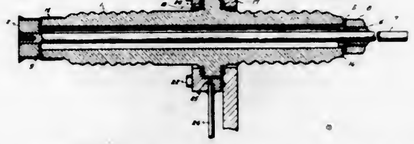
string means for movably positioning said lamp bulb with respect to said shell.

2,597,596

INSULATOR BUSHING SEAL

John D. Reid, Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission

Application November 30, 1944, Serial No. 566,010
4 Claims. (Cl. 174—18)



1. Apparatus of the character described comprising in combination, means forming a vacuum tight container having an opening in a side wall thereof, an element in said opening, said element having a flange and means whereby said flange engages said containers in sealing relationship, and means engaging both said flange and said container in sealing relationship so as to form a space between said last means and said flange which is entirely sealed, and means providing an opening into said space whereby it may be evacuated forming a pumpout.

2,597,597

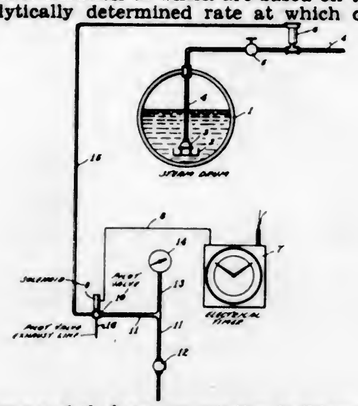
METHOD OF TIMING BOILER BLOWDOWNS

Cyrus W. Rice, Pittsburgh, Pa.

Application March 12, 1949, Serial No. 81,097
2 Claims. (Cl. 122—382)

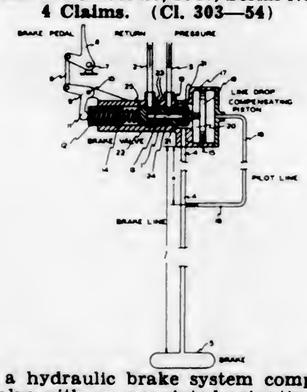
1. The method of controlling chemical concentrations and sludge accumulations during the operation of a steam-generating boiler which comprises determining the rate at which such concentrations build up in the boiler by making outside the boiler at timed intervals a series of analyses of boiler water taken from a region of high boiler concentration of dissolved solids and sludge and in which liquid velocity is low, presetting timing apparatus in accordance with the progress of concentration and accumulation indicated by said analyses, and under the influence of said timing apparatus electrically controlling the discharge of blow-down water and entrained solids from the said region of high boiler concentration throughout periods the pretimed spac-

ing and duration of which are based on the said analytically determined rate at which concen-



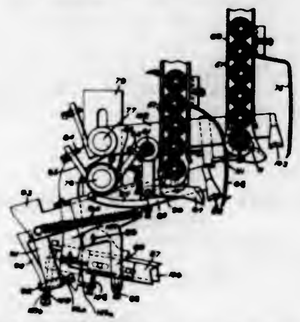
trations and sludge accumulation build-up in the boiler.

2,597,598
BRAKE SYSTEM
Robert D. Robison, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application November 20, 1947, Serial No. 787,107
4 Claims. (Cl. 303—54)



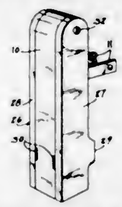
1. In a hydraulic brake system comprising a brake valve with an associated actuating means, a hydraulic pressure supply line connected between the brake valve and the hydraulic pressure source and a brake line conducting the pressure medium to the brake, the said brake valve comprising a piston controlling the flow of the pressure medium to the brake line and having an outlet through which the pressure fluid passes to the brake line, the provision of a compensating piston connected with said brake valve piston, a cylinder for said compensating piston, said cylinder being in communication with the brake line on the side of the compensating piston adjacent the brake piston, and a pilot line in communication at one end with a point along the brake line intermediate said outlet and in communication at its opposite end with the said cylinder on the side of the compensating piston remote from said brake valve piston, whereby in the opening movement of said brake valve piston the latter is subjected to the differential fluid pressures at the said intermediate point along the brake line and a compensating action results which produces a substantially true "feel" force at the said actuating means.

2,597,599
FILLING REPLENISHING MECHANISM FOR AUTOMATIC FILLING REPLENISHING LOOMS
Edward L. Roullard, Sanford, Maine, assignor to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine
Original application August 29, 1947, Serial No. 771,296. Divided and this application November 3, 1950, Serial No. 193,781
4 Claims. (Cl. 139—243)



1. In a filling replenishing mechanism including a magazine for the fresh filling carriers and a transferrer having a dagger for cooperation with a bunter on the lay to effect transfer of a filling carrier from the magazine the combination of means for yieldingly raising the transferrer, a cradle controlled by the transferrer for holding the filling carriers in the magazine, a latch for holding the transferrer in a mid-position with the cradle supporting the lowermost filling carrier, and means for releasing the latch upon indication of filling depletion in an active filling carrier thereby to cause the transferrer to rise and release a fresh filling carrier into transfer position and bring the dagger into the path of the bunter.

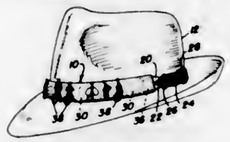
2,597,600
SAFETY ADAPTER SOCKET PLUG FOR ELECTRICAL APPLIANCES
Hyman Shapiro, Brooklyn, N. Y.
Application March 28, 1949, Serial No. 83,806
2 Claims. (Cl. 173—334)



1. In combination, an insulation block having transversely extended pairs of recesses in its opposed side faces and front and rear faces, said block having longitudinally extended recesses in each of its opposed side faces joining the recesses of each pair of recesses, elongated blade terminals positioned in one recess of each pair of recesses adjacent one end of said block and having end portions projected from the rear face of said block for insertion into an outlet receptacle, U-shaped clip terminals positioned in the other recess of each pair of recesses and having portions extended from the rear face of said block, said

recesses housing said U-shaped clip terminals being open to the front face of said insulation block for insertion of the conductor blades of a plug to make electrical contact with said clip terminals, conductor means in said longitudinally extended recesses and connected between the respective blade terminals and clip terminals, a cover of insulation material closing said recesses retaining said blade terminals, said clip terminals and said conductor means in position in said recesses, said cover comprising walls extended along and co-extensive with the recessed side faces of said insulation block, a bridging element integrally formed with the rear edges of said walls and extended across the rear face of said insulation block, and means releasably securing said walls and bridging element to said insulation block, said bridging element being narrow and located to extend over and cover the portions of said clip terminals which project from the rear face of said insulation block.

2,597,601
FISHERMAN'S HATBAND
Earl L. Sherman, Eugene, Oreg., assignor of forty-nine per cent to Harry W. Bacon, Eugene, Oreg.
Application August 23, 1948, Serial No. 45,593
1 Claim. (Cl. 2—179)



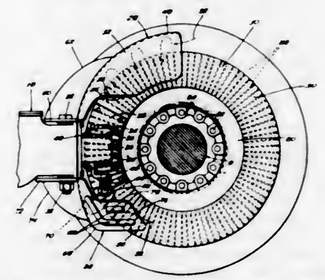
The combination of a flexible band, a tab provided at one end and an elastic member provided at the other end of said band, coacting fastener means on said tab and on said member whereby the same may be separably connected together, said band comprising a strip of material doubled longitudinally upon itself to provide inner and outer walls, a line of stitching securing together the free longitudinal edge portions of said walls, a pair of superposed flexible straps extending longitudinally in said band between the inner and outer walls thereof, stitching securing end portions of said straps to the band, said straps having longitudinally spaced portions thereof secured together whereby the spaces between the secured portions provide a plurality of transversely extending pockets open at both longitudinal edges of the straps, and a plurality of rigid magnetic bars positioned in the respective pockets and projecting beyond the longitudinal edges of said straps.

2,597,602
PAPER DISPENSING DEVICE
Joseph F. Sipior, North Tonawanda, N. Y.
Application February 12, 1949, Serial No. 76,054
2 Claims. (Cl. 164—84.5)



1. A tear-off device for use in cutting paper from a roll, comprising a substantially horizontal paper supporting flange, a guard flange in fixed spaced parallel relation with the supporting flange and arranged above the latter, the supporting and guard flanges having their outer edges lying in substantially the same plane, a tear-off blade substantially co-extensive with the guard flange and having its upper surface in contact with and secured to the guard flange, the forwardly extending surface of the blade being serrated and bevelled backwardly from its lower edge thereby producing a sharp cutting edge and clearance between it and the lower surface of the guard flange, the guard flange having an unbroken forward edge which extends forwardly over the cutting edge of the blade in protective relation therewith, the blade being in spaced relation with the paper supporting flange to provide an unobstructed slot of fixed dimension for the passage of the paper, the paper supporting flange being formed with an access opening substantially midway its length and extending to the edge of the flange, the access opening being sufficiently large to permit frictional engagement of the fingers of the operator with the under side of the paper, whereby the operator may withdraw the desired amount of paper from the roll and tear it from the roll in one operation.

2,597,603
BRAKE COOLING BAFFLE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 21, 1948, Serial No. 55,739
9 Claims. (Cl. 188—264)

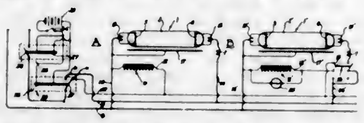


1. In a brake arrangement for a railway car truck comprising a truck structure, a supporting wheel and axle assembly, a cylinder housing carried by the truck structure, brake levers fulcrumed to said housing, brake shoes carried by said levers, and a rotor connected to said assembly and disposed between said brake shoes; the combination of a hood comprising a segment carried by the housing and enclosing a portion of the periphery of said rotor above said shoes and comprising another segment supported by the housing and enclosing a portion of the periphery of said rotor below said shoes.

2,597,604
STARTING AND OPERATING DEVICE AND CIRCUITS FOR ELECTRIC DISCHARGE DEVICES
Philippe Waguet, Paris, France, assignor to General Electric Company, a corporation of New York
Application July 8, 1948, Serial No. 37,648
In France July 24, 1947
4 Claims. (Cl. 315—250)

1. Apparatus for operating a gaseous luminous electric discharge device of the type including a pair of filamentary thermionic electrodes and an auxiliary starting electrode mounted intermediate the ends thereof, comprising: said device, an alternating voltage source, and a transformer

having a primary winding and a pair of secondary windings connected to said filamentary electrodes to provide heating current thereto; a time-delay relay having a control coil and a contactor capable of shifting from a first position to a second position at a predetermined time interval after the energizing of said coil; a circuit for energizing said primary winding, constituted by



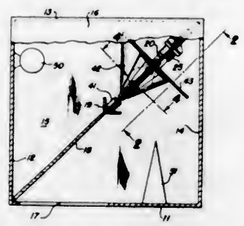
connecting said winding across said source through the first position of said contactor; a main discharge circuit including said device and a ballast impedance serially connected across said source; and a circuit for applying a starting voltage to said auxiliary electrode constituted by connecting said electrode, in series with the second position of said contactor, to one side of said source.

2,597,605

ALTERNATE OBJECT DISPLAY APPARATUS

Herbert Sidney White, Brooklyn, N. Y.

Application December 14, 1948, Serial No. 65,141
1 Claim. (Cl. 272—8.5)



In a display apparatus, a closed rectangular cabinet having a view opening in one side, a vertical transparent reflecting screen extending diagonally in said cabinet, an opaque partition arranged in coplanar relation with said screen and provided with an opening medially therein, a lamp mounted in said opening, a pair of diametrically opposed conically shaped baffles mounted on said partition and within the opening thereof and providing light apertures therebetween, said baffles being formed to provide plate guiding slots, a light directing member rotative about a horizontal axis and within said baffles to successively direct light through the apertures between said baffles, and curved plates slidably fitted in the slots of the baffles and circumferentially adjustable therein to selectively vary the size of the baffles and the light apertures between the baffles.

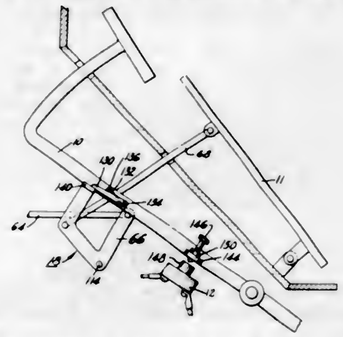
2,597,606

ENGINE STARTING DEVICE

Albert H. Winkler, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 21, 1946, Serial No. 717,736
12 Claims. (Cl. 123—179)

1. In an internal combustion engine propelled vehicle having a clutch, a clutch pedal, a starting circuit and a carburetor including a throttle valve, a choke and a thermostat for controlling said choke in accordance with engine temperature; a control mechanism comprising a fast idle cam; a linkage connecting said cam and thermostat for controlling the position of said cam in accordance with engine temperature; a throttle valve lever having an adjustable stop thereon for engaging said cam, said stop in cooperation with said cam being adapted to yieldably hold said choke in a partially open position in opposition to the closing force of said thermostat; a starting switch in said circuit; a member actuated by the movement of the clutch



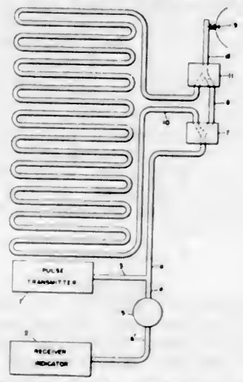
pedal for causing said switch to operate; and a linkage including a one-way connection adapted to be connected to said throttle valve lever and to be actuated by said clutch pedal; whereby the operations for declutching the vehicle, opening said throttle valve, releasing said fast idle cam and choke and closing the starting switch may be completed in a single movement by the operator.

2,597,607

APPARATUS FOR MEASURING DISTANCE

Andrew Alford, Cambridge, and Harold M. Hart, Wellesley, Mass., assignors, by mesne assignments, to Raytheon Manufacturing Company, a corporation of Delaware

Application February 7, 1946, Serial No. 646,098
14 Claims. (Cl. 343—13)



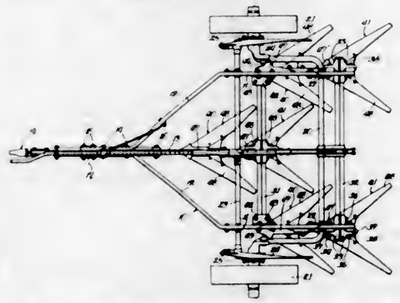
1. An echo distance measuring system comprising means for generating an electrical impulse, transducer means for producing a wave energy impulse in response to said electrical impulse and for producing an electrical impulse in response to a reflected wave impulse, receiving means responsive to electrical impulses, circuit means for connecting said generating means and said receiving means to said transducer means, said circuit means including time delay means for said electrical impulses, an indicator having a measuring scale and an indicating element which traverses the same at a controlled rate for measuring and indicating the time of travel from the transmission of said wave energy impulse to the receipt of the reflected wave energy, and means for starting a measuring traverse of said indicating element along said scale at a time after operation of said generating means corresponding to the effective time delay of said time delay means.

2,597,608

SUBSURFACE AND SUBSOIL CULTIVATOR

Rudolph J. Altgelt and Cameron H. Gemberling, South Bend, Ind., assignors to The Oliver Corporation, a corporation of Delaware

Application August 25, 1945, Serial No. 612,634
3 Claims. (Cl. 97—78)



1. A cultivator comprising a main frame, wheels for supporting said main frame, transverse bars secured to said frame, forward and rearward standards secured to and depending from said frame and bars, subsurface sweeps secured to the forward standards, subsoil sweeps secured to the rearward standards at a point below said subsurface sweeps, all of said sweeps of each kind being arranged in staggered relation with respect to the longitudinal center of said cultivator, laterally projecting shares forming each of said sweeps and overlapping the path of travel of the adjacent sweeps for cutting the soil into two slices extending across the entire width of said frame, and clamp brackets secured to said bars for securing said bars to said frame and for securing said standards to said bars and frame.

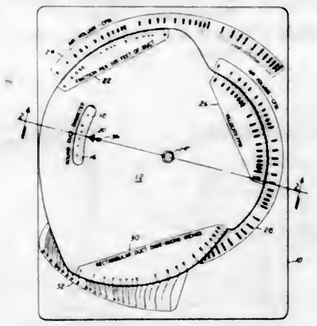
2,597,609

FLUID FLOW CALCULATOR

James L. Bartlett and James R. Davis, La Crosse, Wis., assignors to The Trane Company, La Crosse, Wis.

Application August 10, 1950, Serial No. 178,738
2 Claims. (Cl. 235—84)

1. A fluid flow calculator comprising a base member, an indexable member, means pivotally mounting said indexable member on said base member, a first fluid volume scale on one of said members, a fluid friction scale on the other of said members from that having said first fluid volume scale, said fluid friction scale registering with said first fluid volume scale, a second fluid volume scale on one of said members, a fluid velocity scale on the other of said members from that having said second fluid volume scale, said fluid velocity scale registering with said second fluid volume scale, a first scale of rectangular duct dimensions on one of said members, the division lines of said first scale of rectangular duct dimensions being curved, a second scale of rectangular duct dimensions on a portion of the periphery of the other of said members from that having said first scale of rectangular duct dimensions, said portion of the periphery of the other of said members having throughout its length progressively increasing radii with respect to said pivotally mounting means, a scale of circular duct dimensions on one of said members and indicating means on the other of said members from that having said scale of circular ducts dimensions, said indicating means registering with said scale of circular duct dimensions, each of said scales being proportioned and being positioned with respect to each other and with respect to said indicating means according to a mathematical relationship for fluid flow.

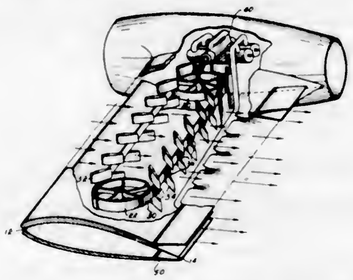


2,597,610

JET PROPULSION SYSTEM FOR AIRPLANES

Henry A. Berliner, Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland

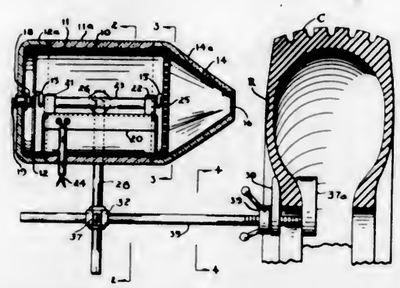
Application June 12, 1945, Serial No. 598,968
1 Claim. (Cl. 244—15)



An aircraft comprising wings, each wing having a passage extending therethrough parallel to the direction of motion of the aircraft and extending throughout substantially the entire length of the wing and opening to atmosphere through openings in the leading and trailing edge regions of the wing which are substantially co-extensive in length with said passage, a pair of pulleys rotatably mounted at the inboard and outboard ends of each wing passage, an endless belt mounted on each of said pair of pulleys, a plurality of vanes mounted on each endless belt and operative on movement of the belt about the pulleys to draw

air into the leading edge opening of the wing and to force it out of the trailing edge opening, and means for rotating said pulleys.

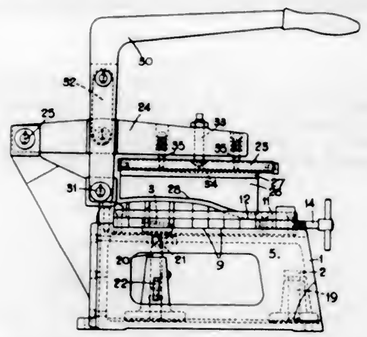
2,597,611
METHOD AND APPARATUS FOR TIRE OR LIKE REPAIR VULCANIZING
Laddy F. Borda, Akron, and Sheldon W. Bile, Barberton, Ohio
Application March 23, 1946, Serial No. 656,668
7 Claims. (Cl. 18—18)



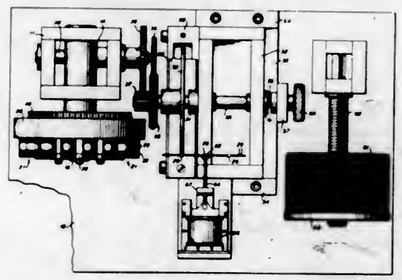
7. Apparatus for vulcanizing a localized area of vulcanizable material onto a larger area of an article of vulcanizably compatible material, comprising a hollow casing, an attachment to said casing for continuously supplying air under substantial pressure to the interior thereof, a heater within said casing for heating said air to vulcanizing temperature, a nozzle on said casing providing an outlet orifice from the casing of substantial flow area at the outer end thereof through which the heated pressurized air is emitted in a single stream having substantially said flow area, and mounting means for adjustably supporting said casing and an article to be vulcanized with said outer end of said nozzle at a predetermined distance from said area of vulcanizable material on the article, the space between said outer end of the nozzle and the article being substantially free and unobstructed whereby said stream is directed from the nozzle substantially laterally unconfinedly onto the vulcanizable material on the article.

2,597,612
SHOE PRESS
William Boseley and Wallace Kilmister, Wembley, England
Application January 3, 1950, Serial No. 136,624
In Great Britain January 4, 1949
4 Claims. (Cl. 12—33.4)

4. A machine for sticking soles to boots and shoes, comprising supporting means for a lasted boot or shoe, welt supports comprising two sets of contiguous inwardly directed fingers forming a pair of substantially continuous supports for the right hand and left hand welt edges of the boot or shoe, the fingers of each set being individually adjustable to adapt the welt supports for boots and shoes of different shapes and sizes, a longitudinally slotted carrier bar for each set of fingers which are transversely slidable in the slot of said bar, means for clamping the fingers against one end of said slot, a supplementary support for the toe part of the boot or shoe welt, said supplementary support comprising a toe-bar extending transversely across the machine for engagement at its ends by the right hand and left hand welt supports, a recess in said toe-bar between its ends to receive the toe of the boot or shoe, a straight edged tongue formed by said recess to engage between the upper and the projecting edge of the sole at the toe of the boot or shoe, the edge of the tongue lying in the same plane as the face of the toe-bar that is in contact with the right hand and left hand welt supports, a pivoted pressure-applying arm by which a pressure pad is carried, including means permitting self-alignment of the latter during a pressing operation, and lever operated toggle mechanism for said arm, whereby a greatly increased mechanical advantage is acheived at the end of said pressing operation.



2,597,613
APPARATUS FOR COATING BEADS
Robert F. Brewer, Quakertown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1950, Serial No. 155,503
3 Claims. (Cl. 118—211)



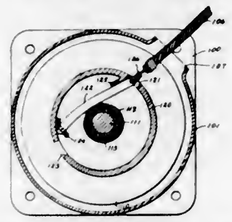
1. An apparatus for coating articles disposed at spaced positions on a strand, the apparatus comprising means to advance the strand at a predetermined speed in a given path, a container of coating material, an applicator wheel rotatable about a given axis whereby its periphery will travel into and out of the coating material to carry a continuous supply of the material closely adjacent, but spaced from the said path, a unit actuable intermittently to move the strand laterally to cause the articles to be embedded in the supply of material on the applicator wheel and be coated therewith, a carriage to support the applicator wheel, and an element actuable to move the carriage relative to the advancing means to assure location of the applicator wheel adjacent the articles during actuation of the unit.

2,597,614
METHOD OF RENDERING ORGANIC TEXTILE MATERIAL WATER REPELLENT AND COMPOSITION THEREFOR
Alfred E. Brown and Arnold M. Sookne, Washington, D. C., and Francis W. Minor, Arlington, Va., assignors, by mesne assignments, to Harris Research Laboratories, a partnership
No Drawing. Application February 6, 1947, Serial No. 726,950
11 Claims. (Cl. 117—121)

2. The method of preparing an organic textile treating composition which comprises adding a solution containing a mono-alkyl dichlorosilane and an inert organic solvent selected from the group consisting of benzene and methyl benzene in the proportion of at least 1 part by volume of said inert aromatic solvent to 2 parts of mono-alkyl dichlorosilane to a water solution of sodium acetate, the proportion of water to mono-alkyl dichlorosilane solution being at least equal to twice the volume of said mono-alkyl dichlorosilane solution, and said sodium acetate being present in an amount at least sufficient to neutralize hydrochloric acid evolved in the hydrolysis of said mono-alkyl dichlorosilane, and agitating the mixture in the presence of an emulsifying agent, said emulsifying agent being present in the proportion of from 0.01 to about 5% by weight of the hydrolysis product of said mono-alkyl dichlorosilane, whereby an emulsion is formed.

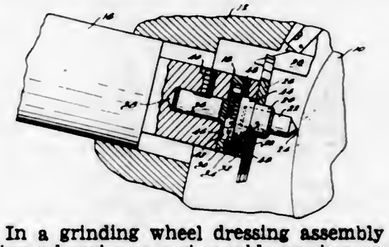
10. A method of rendering an organic textile material water repellent which comprises treating said material with a diluted emulsion prepared in accordance with claim 2, said emulsion having a silicone oil concentration from 0.25% to 3% by weight, drying the treated material, washing the dried material to remove the alkaline substance and emulsifying agent contained in said emulsion, and again drying and heat-curing said treated material.

2,597,615
TRACTOR ATTACHMENT
Kenneth A. Brown, Gervais, Oreg.
Application June 13, 1947, Serial No. 754,386
2 Claims. (Cl. 242—107)



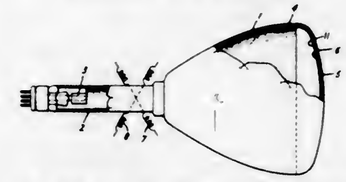
1. A spring-tensioned take-up reel comprising a case including a side wall having an opening therein, a hollow sheave rotatably mounted within said case, said sheave including a hollow hub having an opening in its side in radial alignment with the opening in the side wall of the case, a flexible element adapted to be wound upon the hub of said sheave, an elongated locking rod of slightly lesser length than the internal diameter of said hub normally positioned within said hub, said locking rod being of a length greater than the distance between the surface of said hub and the side wall of said case in the vicinity of the opening in the side wall of the case, and means projecting from one end of said rod engageable with the internal surface of said hub to prevent withdrawal of said rod through the opening in the hub, said rod being normally positioned with its opposite end in the opening in the hub and said flexible element being attached to said opposite end whereby said flexible element upon being completely unwound from said sheave withdraws said locking rod from within said hub to the extent permitted by said projecting means and thus positions said opposite end of the locking rod in the opening in the side wall of said case to lock said hub against reverse rotation.

2,597,616
GRINDING WHEEL DRESSING MECHANISM
Stanford P. Bruce, Detroit, Mich., assignor to Wheel Trueing Tool Company, Detroit, Mich., a corporation of Delaware
Application April 29, 1947, Serial No. 744,749
8 Claims. (Cl. 125—11)



1. In a grinding wheel dressing assembly including a housing, a reciprocable carriage moveable along said housing, a rotatable tool holder on said carriage having its axis perpendicular to the line of movement of said carriage, said tool holder having a radially projecting, annular flange; a carrier for said holder shaped to provide a seat for the rear radial surface of said flange and having an annular surrounding surface around the periphery of said flange, said annular surface having a plurality of circumferentially spaced sockets; detent means carried by said flange and projecting radially therefrom to seat successively in said sockets upon rotation of the tool holder; spring means about said holder urging said flange pressed solidly against its seat; and ratchet means on said holder for rotating the tool holder in said carrier.

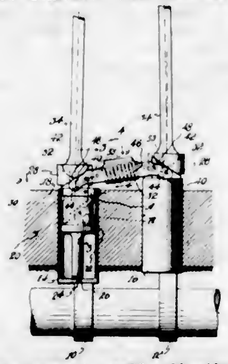
2,597,617
METHOD OF DEPOSITING AN IMPERVIOUS METAL FILM ON A GRANULAR SURFACE
Von C. Campbell, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 9, 1946, Serial No. 709,037
2 Claims. (Cl. 117—33.5)



1. The method of producing a smooth thin metal backing on a granular fluorescent screen which comprises the steps of applying sufficient water to the screen to fill the intergranular spaces, covering the screen and water with a layer of a solution of water-insoluble synthetic heat removable resin in a volatile non-aqueous

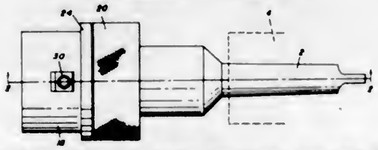
solvent to a thickness in the order of 500 to 10,000 angstrom units, evaporating the solvent to cause the resin to set, depositing a thin layer of metal on the resin by vaporizing the metal and baking the screen at a temperature in the order of 400° C. to remove the resin and complete the metal backed fluorescent screen.

2,597,618
AUTOMATIC ADJUSTING TAPPET
Roland Chilton, Glen Rock, N. J.
Application March 25, 1950, Serial No. 151,901
21 Claims. (Cl. 123—90)



1. A valve tappet, self-adjusting for valve clearance, comprising in combination members fitting together on V-form surfaces extending across the members on a slant, and means to adjust the clearance by moving one of said members up and down said slant.

2,597,619
TOOL MOUNT
Arthur Edwin Clark, Ferndale, Mich.
Application September 30, 1947, Serial No. 776,991
10 Claims. (Cl. 29—96)

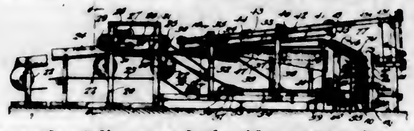


6. A support, a body member secured to the support and being adjustable in a given plane, a tool holder having a reference axis, and means to mount the tool holder in the body member with its reference axis generally transverse of the aforesaid plane, the tool holder having limited but universal adjustability in relation to the body member.

2,597,620
METHOD AND APPARATUS FOR TREATING BUNDLED TOBACCO
Edward R. Coley, Durham, N. C.
Application October 15, 1946, Serial No. 703,404
15 Claims. (Cl. 131—138)

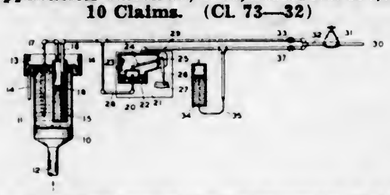
1. The herein described method of treating bundled tobacco which includes moving horizontally disposed tobacco bundles along a horizontal path, while so moving the bundles along said path impaling the bundles on a horizontal support, turning the impaled bundles into a vertical position, advancing said impaled bundles and spreading the impaled bundles as they advance along said support to loosen the leaves thereof.

8. Tobacco treating apparatus which includes a conveyor along which bundles of tobacco are advanced in succession, a rotary spindle having a pointed end, said pointed end being disposed



above the delivery end of said conveyor for penetrating bundles advancing upon the conveyor, and means on the spindle to advance the bundles received thereon longitudinally thereof.

2,597,621
LIQUID DENSITY APPARATUS
Robert D. Cowherd, Atlanta, Ga., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application March 28, 1946, Serial No. 657,746
10 Claims. (Cl. 73—32)

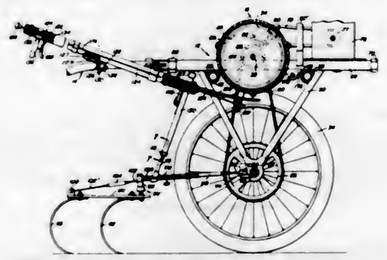


8. In an instrument for determining the density of a liquid; means for bubbling a gaseous medium through a predetermined depth of said liquid, pressure-measuring means, and temperature compensating means comprising a vertically disposed closed container, a body of expansible liquid therein, said container being in temperature-exchange relation with said liquid whose density is to be determined whereby said body of liquid may vary its level in said container substantially with changes in temperature of said first liquid, the horizontal cross-section of said container, at least throughout the range of expansion of said contained liquid, being constant in area, means for bubbling gaseous medium through said contained liquid from an orifice having a predetermined vertical position in said container, said container being pneumatically in series with said first-named bubbling means and said pressure-measuring means, whereby to apply to said pressure-measuring means the sum of the pressure required to bubble said gaseous medium through said predetermined depth of said first-named liquid and that required to bubble the same through said contained liquid.

2,597,622
GARDEN TRACTOR
Ellis E. Davis, Williamsport, Pa.
Application August 24, 1946, Serial No. 692,771
8 Claims. (Cl. 97—48)

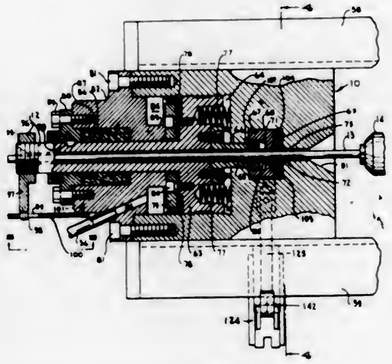
1. A garden tractor or the like including a frame, wheel units detachably mounted on said frame, power drive and gearing means carried by the frame and connected to said wheel units for driving the same, a cultivator unit pivoted to each wheel unit, and a control means for laterally adjusting each cultivator unit, said control means being carried by said frame and including a tubular post carried by said frame, a pair of tubular concentric shafts axially positioned within said post each shaft including a laterally extending handle portion at the top end and a laterally extending angulated arm

at the bottom end thereof, and means interconnecting said angulated arm with said cultivator unit, said last mentioned means including a rod pivotally secured at one end to said



cultivator and swivelly secured at its other end to said frame, a laterally extending sleeve rigidly secured to said rod adjacent the swivel end thereof, and a link slidable in said sleeve and swivelly attached to one of said angulated arms.

2,597,623
APPARATUS FOR MANUFACTURING TAPER TUBING
Herbert F. Dies, Detroit, and Fred N. Blackmore, Ferndale, Mich., assignors to Hurd Lock and Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 31, 1947, Serial No. 783,420
2 Claims. (Cl. 205—3)



1. In an apparatus for tapering tubes, the combination of a housing having an aperture therethrough for receiving the tube to be tapered, a die holder slidably mounted in said housing, a tapering die mounted in the die holder, said tapering die being a deformable tube constricting member having an aperture for receiving said tube, means for indexing said die holder relative to said aperture in said housing for aligning the latter with said tapering die, means to draw a tube to be tapered through said tapering die aligned with the aperture in said housing, a compression chamber having pressure resisting walls adjacent the outer periphery and one side of said deformable tube constricting member, a compressing member adjacent the other side of said tube constricting member, and means for actuating concurrently said compressing member and said means to draw the tube.

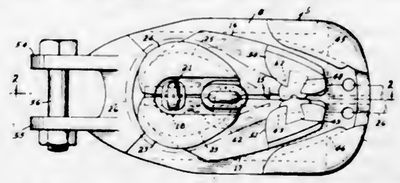
2,597,624
PROCESS FOR TREATING CELLULOSIC MATERIALS
Nicolas Drisch, Paris, and André Petiton, Saint-Just-Des-Marais, France, assignors, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands, a corporation of Great Britain
No Drawing. Application March 20, 1950, Serial No. 150,798. In France April 5, 1949
4 Claims. (Cl. 18—54)

1. The process for producing colorless artificial regenerated cellulose filaments with reduced swelling characteristics, which comprises incorporating in a viscose spinning solution, a partly condensed linear polyester of an aliphatic diacid and a polyalcohol which is soluble in dilute soda, spinning said solution into a filament and reacting the spun filament by treatment at 80° C. to 90° C. with not over 10 g. per liter of formaldehyde and an acid catalyst.

2,597,625
PROCESS FOR APPLYING MOISTUREPROOF COATING TO REGENEBATED CELLULOSE
Nicolas Drisch and Paul Herrbach, Paris, France, assignors to La Cellophane, Paris, France, a French company
No Drawing. Application June 23, 1950, Serial No. 170,040. In France July 1, 1949
1 Claim. (Cl. 117—145)

The method of applying a moisture-proof coating to a base of regenerated cellulose which comprises applying to said base a solution in methyl ethyl ketone of a copolymer of vinyl chloride and vinylidene chloride containing not over 25% of vinylidene chloride and an ether of a fatty alcohol having from 12 to 18 carbon atoms to form a coating of from 1 to 5 grams per sq. m. of said copolymer, said solution containing about 25% of toluene to facilitate the dissolution of the ether.

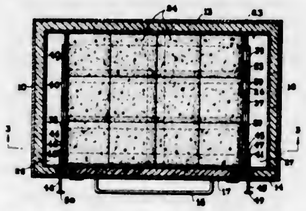
2,597,626
CLAMP FOR WIRE CABLES
John Eder, St. Albans, N. Y.
Application October 30, 1947, Serial No. 783,194
9 Claims. (Cl. 24—126)



2. A cable clamp comprising a support, a clamping arm assembly mounted on and slidable rectilinearly along the support selectively to a cable-clamping position and a cable-releasing position, the clamping arm assembly including a pair of clamping arms pivoted together at one end thereof and extending along the support generally in the direction of movement of the clamping arm assembly, one set of corresponding faces of said clamping arms extending substantially in a single plane parallel to the direction of movement of the clamping arm assembly, one of a pair of gripping elements carried by each clamping arm at the opposite end thereof, each element having a gripping surface extending away from the clamping arms on one side of said plane, the gripping surfaces of the gripping elements being opposite each other and being oper-

able when forced toward one another to hold a cable securely between them, and one of a pair of complementary members carried by each clamping arm, said complementary members being sufficiently spaced from said gripping elements that a cable loop may be passed between said gripping surfaces and around said complementary members, each complementary member having an outer arcuate surface on the side thereof remote from the gripping elements against which said cable loop may bear, said arcuate surfaces of the complementary members extending away from the clamping arms on said one side of said plane, and means operable by movement of the clamping arm assembly to said cable-clamping position to shift said opposite ends of the clamping arms toward one another to force the gripping elements toward one another, whereby a cable loop passed between said gripping surfaces of the gripping elements and around the complementary members outward of said clamping arm faces is securely held by the gripping members when the clamping arm assembly is in its cable-clamping position.

2,597,627
CONTROLLED HEAT FLOW OVEN
Arthur I. Fader, Yonkers, and Ira Nevin, Bronx, N. Y.
Application November 27, 1946, Serial No. 712,500
3 Claims. (Cl. 107—55)



1. A damper construction within an oven for controlling the passage of hot combustion gases from flues located on opposite sides of an oven compartment into that oven compartment, comprising vertical side walls dividing the flues from the oven compartment, said side walls having vertically spaced rows of evenly spaced openings, plates slidably supported on said side walls over said openings, said plates having vertically spaced rows of evenly spaced openings matching the spacing of the openings in said side walls, and means for sliding said plates in one direction or the other for aligning and nearly completely disaligning said openings of said plates and said openings of said side walls, said sliding means comprising pins extending from said plates, handles having shafts slidably extended through a wall of the oven, and rings on the inner ends of said shafts and engaged over said pins connecting said shafts to said plates.

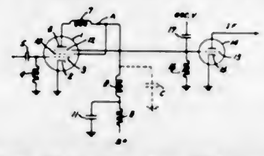
2,597,628
CLOTHESLINE BRACE
William Felenchak, Ansonia, Conn.
Application April 29, 1950, Serial No. 159,112
2 Claims. (Cl. 254—198)

1. A clothes line brace including a pair of elongated plates spaced from each other, means pivotally connecting said plates near the center thereof, said pivotal connecting means including means biasing said plates toward each other, a spindle secured to one of said plates near each end thereof and extending toward the other plate, a spindle secured to the other plate near each end thereof and extending toward the said one plate, a roller on each spindle, one roller at each end of the plates having a concave peripheral outer surface, and interlocking means



between the plates and the free ends of the spindles to normally keep the plates parallel to each other, the rollers at each end of the plates being spaced slightly less than the thickness of a clothes line.

2,597,629
ELECTRON DISCHARGE AMPLIFIER
Raymond F. Foster, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 19, 1948, Serial No. 61,058
4 Claims. (Cl. 179—171)

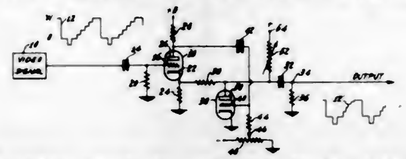


1. A high frequency amplifier comprising a first electron discharge device having at least an anode, a cathode, a main control electrode and an auxiliary control electrode, said auxiliary electrode being situated between said main control electrode and said anode, a second electron discharge device having a capacitive input circuit and an output circuit, a tuned anode circuit for said first device comprising an inductance connecting said anode to a unidirectional source of potential, said inductance and the circuit capacity associated therewith being resonant at the frequency to be amplified, means for applying a voltage at said resonant frequency to the control electrode of said first device, said auxiliary electrode being coupled to said anode circuit solely through the electron discharge in said first device, a circuit connection of substantially zero impedance between said auxiliary electrode and the input circuit of said second electron discharge device whereby the signal energy present at the anode of said first device may be coupled to said input circuit from said auxiliary electrode without substantial effect on the tuning of said anode circuit, said circuit connection constituting the sole means of transferring energy between said first and second electron discharge devices, and means for deriving from the output circuit of said second device said voltage in amplified form.

2,597,630
SIGNAL SHAPING CIRCUITS AND METHOD
Hubert French, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1950, Serial No. 176,718
1 Claim. (Cl. 179—171)

In a television signal processing channel a combination of a supply terminal at which conditionally appears a television signal and a first electron discharge tube having at least an anode, a cathode and control electrode, said television signal having recurring maximum peaks, a connection from said supply terminal to the control

electrode of the first electron discharge tube, a resistance connected from said first electron discharge tube anode to a positive potential terminal, a resistance connected from said first electron discharge tube cathode to a negative potential terminal, a second electron discharge tube having at least a cathode, an anode and a control electrode, a resistance directly connected from said first electron discharge tube cathode to said second electron discharge tube anode, a

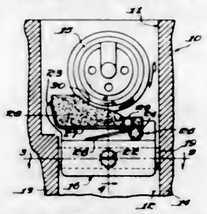


resistance connected from said second electron discharge tube control electrode to a negative power supply terminal, a capacitor connected between said first electron discharge tube anode and said second electron discharge tube control electrode, said last named capacitance and resistance providing for cutoff of said second named tube substantially at times other than upon occurrence of said peaks, and an output circuit connected with said second electron discharge tube anode.

2,597,631
METHOD OF PREPARING BARIUM SILICATE PHOSPHOR
Herman C. Froelich, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application March 22, 1950, Serial No. 151,320
7 Claims. (Cl. 252—301.4)

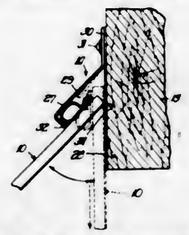
1. The method of preparing a fluorescent composition of lead activated barium disilicate which comprises mixing compounds of barium and silicon which upon heating will react to form barium disilicate with an activating proportion of a lead compound, and firing the mixture at a temperature of approximately 1000–1200° C. with additions of catalyst consisting of both a fluoride and a chloride, the fluoride being of the group consisting of fluorides of barium, ammonium, lead and calcium, and the chloride being of the group consisting of chlorides of barium, ammonium, calcium, strontium, magnesium, aluminum and zinc, the said catalysts being in a total amount of about 2–12 mol per cent of the barium disilicate with a mol ratio of fluorine to chlorine between about 0.2:2 and 2:0.2.

2,597,632
SHUTTLE CLEANER FOR SEWING MACHINES
Eli Goldstein, Brooklyn, N. Y.
Application December 21, 1949, Serial No. 134,329
1 Claim. (Cl. 112—218)



In a sewing machine, the combination with a frame provided with a channel, said channel defining a pair of spaced parallel side walls on opposite sides thereof, and a rotary thread-carrying shuttle positioned in said channel and rotatably supported on said frame, of a cleaning device positioned in said channel, said cleaning device comprising a base interposed between said side walls and provided with a longitudinally extending bore, a pair of lock pins slidably arranged in said bore and arranged in engagement with said side walls, the inner ends of said lock pins being tapered, there being a threaded opening in said base communicating with said bore, a set screw positioned in said opening and arranged in engagement with the tapered ends of said lock pins, a flange projecting upwardly from said base, a spring member including first and second arms, the first arm arranged in engagement with the upper surface of said base and the second arm diverging from one end of said first arm, a pin connecting said spring member at the juncture of said arms with said flange, and an oil-carrying pad supported by said second arm in engagement with said shuttle.

2,597,633
AWNING HANGER STRUCTURE
Lloyd D. Graham, Chicago, Ill.
Application October 24, 1947, Serial No. 781,971
1 Claim. (Cl. 16—172)

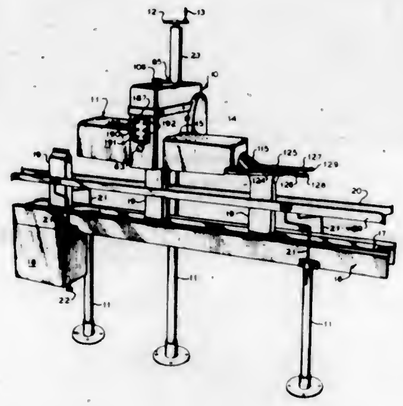


An awning or shade structure applicable to a fixed upright support, comprising a sheet-like awning panel, a locking element secured to said panel at a point spaced downwardly from the upper edge margin thereof and facing outwardly of a surface thereof, said panel having upwardly exposed camming means in fixed relation thereto adjacent said upper edge margin and facing away from the direction faced by said locking element, said camming means being spaced substantially upwardly from said locking element, and a keeper releasably supporting said panel, said keeper being applicable in fixed relation to said upright support and providing, when applied, a portion which extends outwardly from said support and terminates in an inturned keeper portion spaced from said support, said locking element being engageable with and supported by said keeper portion, said camming means being downwardly and slidingly wedged against said support upon outward swinging of said panel about said keeper-engaged locking element as a fulcrum, thereby to positively thrust said element into tighter engagement with said keeper portion.

2,597,634
COMBINED HEAT SEALING APPARATUS, CODE PRINTER, AND PUNCH
John J. Grevich, St. Paul, Minn., assignor, by mesne assignments, to Harris Trust and Savings Bank and W. H. Milsted, as trustees
Application December 4, 1950, Serial No. 199,009
36 Claims. (Cl. 154—42)

1. A sealing, printing and punching machine for thermoplastic containers comprising in com-

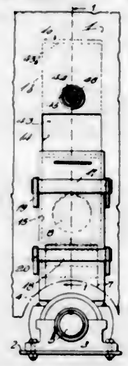
bination a base, a frame attached to said base, spaced substantially parallel vertically disposed shafts rotatably mounted on said frame, variable speed drive means for driving said shafts, front and rear sealing rolls fixed to said shafts, adjustable yieldable means biasing said front roll toward said rear roll, heating elements in said rolls, an adjustable thermostat for controlling said heating elements, feeding means for containers to be sealed comprising opposed chains driven by said drive means in synchronism with said rolls, said containers being received between said chains to feed the same through said ma-



chine, an annular groove adjacent the lower peripheral edge of each roll for receiving said chain adjacent the point of tangency of said roll, preheating means in advance of said rolls for heating a portion of said containers prior to contact with said rolls, printing means disposed in the path of feeding movement of said containers after leaving said rolls for printing information on the sealed portion and punching means disposed in the path of feeding movement of said containers after leaving said printing means for punching an aperture in the sealed portion of said container.

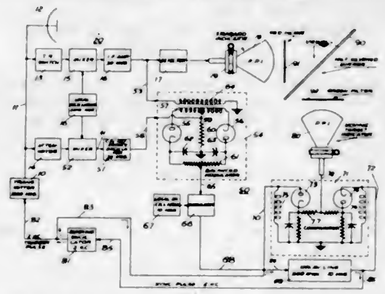
2,597,635
PROTECTIVE MECHANISM FOR ROTATING MACHINERY
George W. Grisdale, Jr., Ephrata, Pa., assignor, by mesne assignments, of one-fourth to Lee H. Kessler, one-fourth to Norman H. Kessler, one-fourth to Nellie H. Kessler, and one-fourth to Harriet F. Derrick
Original application March 6, 1947, Serial No. 732,849. Divided and this application June 12, 1950, Serial No. 175,558
5 Claims. (Cl. 241—286)

1. Rotating machinery comprising a supporting housing including an end wall having a guideway therein, a rotating member journaled in said housing in spaced relation to said guideway, a guide plate mounted in said guideway for displacement therein relative to said rotating member, a stationary member supported on said guide plate, a safety plate disposed in said guideway for movement therein and surmounting said guide plate, and laterally-displaceable means applied to said housing-wall in releasable retaining engagement at one end with the latter and at its other end with said safety plate and including a yieldable attaching element for normally retain-



ing such means in substantially coplanar relation with the housing-wall and said guide plate.

2,597,636
RADAR MOVING TARGET INDICATING SYSTEM
William M. Hall, Lexington, and Harold N. Beveridge, Arlington, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 17, 1947, Serial No. 742,048
4 Claims. (Cl. 343—9.5)

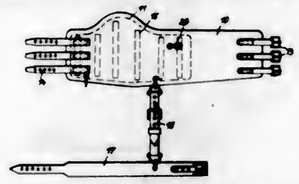


1. A radar receiving system comprising: a first circuit for detecting a first group of signals corresponding to all of the objects within the range of the system; means, receptive of said first group of signals, for producing visual indicia thereof; a second circuit for detecting a second group of signals corresponding only to the moving objects within the range of the system; means, receptive of said second group of signals, for producing visual indicia thereof; and means for viewing the visual indicia corresponding to said first and second groups of signals simultaneously in superposed relationship.

2,597,637
OBSTETRICAL APPARATUS
Hermann Heidenwolf, Neumarkt, Styria, Austria
Application August 22, 1947, Serial No. 770,127
In Austria September 12, 1946
2 Claims. (Cl. 128—31)

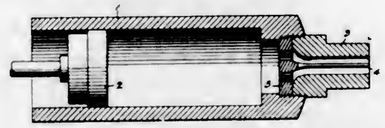
1. An obstetrical apparatus comprising an outer belt having a relatively rigid backing, an inflatable bag underlying said backing and attached to the latter, said bag having an outlet

for the introduction of a pressure medium, said bag having a pear-shaped cross section and having an arcuate part adapted to lie against the body of a parturient woman and to engage her costal region, said bag being so positioned as



to bear against the abdomen of the woman in the direction of parturition upon said arcuate part being brought into engagement with the costal region of the woman, and securing means for closing said belt around the body of the woman.

2,597,638
EXTRUSION DIE FOR SOLVENTLESS POWDER
Howard E. Higbie, Pittsburgh, Pa., assignor to the United States of America as represented by the Secretary of the Army
Application May 15, 1951, Serial No. 226,435
2 Claims. (Cl. 18—12)

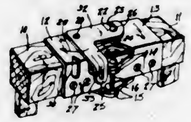


1. An extrusion die assembly for double base powder comprising a die having an internal circular contour at right angles to its longitudinal axis and an internal exponential contour in a plane passing through the length of the longitudinal axis, said exponential contour being determined by the eqution

$$H^3 = \frac{H_L^3 L^{2/5}}{x^{2/5}}$$

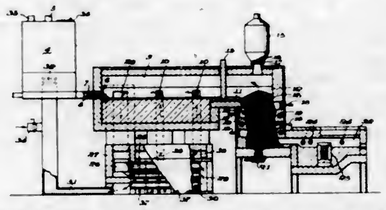
where H is the apparent diameter at a given point along the exponential contour of the equivalent free cross-sectional area of the circular contour, H_L is the apparent diameter of the free cross-sectional area at the exit end of the exponential contour, L is the length of the contracting section of the die and X is the axial distance of said point from the die entrance.

2,597,639
COMBINATION HINGE AND LATCH FOR PLAYPENS
William A. Hildreth, Antrim, N. H., assignor to William H. Hurlin, Antrim, N. H.
Application March 9, 1950, Serial No. 148,700
2 Claims. (Cl. 16—146)



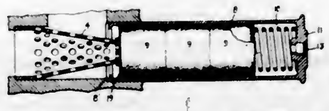
1. A combination hinge and lock for children's play pens comprising a pair of hinge members, each hinge member having a top portion and a side portion, a pair of ears bent off the side portion of each of said hinge members, a pivotal connection between said hinge members at said ears, related limiting portions formed at said top portions and engageable for limiting pivoting of said hinge members in one direction, a pin carried on the top portion of one of said hinge members; a bell crank pivotally carried on the top portion of the other of said hinge members, said bell crank having an open pin engaging slot in one arm thereof, a laterally extending arm, and a pendent portion formed off said laterally extending arm; said bell crank being engageable with said pin when the limiting portions of said hinge members are engaged to thereby prevent relative swinging movement in the other direction; and said pendent portion being manipulable to disengage said pin to permit pivoting of said hinge members in the other direction in which said limiting portions move apart.

2,597,640
GLASS MELTING METHOD
George E. Howard, Butler, Pa.
Application October 17, 1950, Serial No. 190,489
6 Claims. (Cl. 49—77)



1. The method of melting and refining glass, which comprises melting briquettes of glass batch materials, passing the molten materials in a generally downward direction through a body of loosely arranged lumps that are more refractory than the briquettes, while moving a stream of heated gases upwardly between the said lumps, the said gases being of substantially higher temperature than that at which the molten batch materials were introduced into the body of lumps, and forming a pool of the molten glass at a zone removed from said lumps.

2,597,641
PRESSURE-OPERATED STARTING DEVICE
Edwin H. Hull, Schenectady, and Arthur F. Winslow, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application December 3, 1945, Serial No. 632,548
5 Claims. (Cl. 102—39)

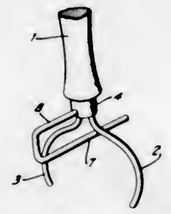


1. A massive pellet of projectile-propellant powder, a flame-excluding layer of material covering part of the surface of said pellet and closely adjacent, discrete grains of faster-burning powder affixed to surfaces of said pellet including the entire outer surface of said flame-excluding layer.

5. The combination of a combustion chamber, a grate at one end of the chamber, a pellet of propellant material in said chamber, one end of which is held in contact with said grate by a

spring interposed between the other end of said pellet and the opposite end of said chamber and means for igniting said pellet, said igniting means being located at said opposite end of said chamber.

2,597,642
DETACHABLE HOLDER FOR BOTTLES OR THE LIKE
Tracy K. Irwin, Los Angeles, Calif.
Application March 28, 1947, Serial No. 737,902
7 Claims. (Cl. 294—33)



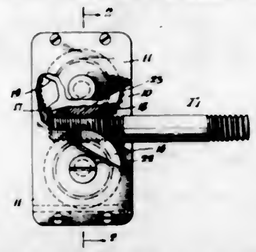
1. In a device of the character described: a handle; a pair of spring jaws rigidly secured to the handle; said jaws being resilient for resiliently gripping an article and an article-contacting means having a contacting surface extending through and transverse to said jaws, and serving as an abutment against which the article is urged by spring action of the jaws; and a member connecting said means to said handle.

2,597,643
MANUFACTURE OF HIGHLY POLYMERIC LINEAR POLYMETHYLENE TEREPHTHALATES IN SOLUTION AND PRECIPITATION THEREOF
Emmette Farr Izard, Kenmore, and Lawrence A. Auspos, Buffalo, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 31, 1947, Serial No. 783,446
10 Claims. (Cl. 260—75)

1. In the manufacture of highly polymeric linear polymethylene terephthalates in powder form the steps which comprise polymerizing a polymethylene terephthalate to an intrinsic viscosity of at least 0.3 in an inert organic solvent for the polymeric polymethylene terephthalate said solvent having a boiling point about 160° C., and thereafter precipitating said polymer from solution whereby said polymer is obtained directly in finely divided form suitable for use in injection and extrusion molding apparatus.

2,597,644
WHEEL TYPE SCREW THREAD GAUGE
Paul W. Johnson, Bloomfield, Conn.
Application November 16, 1945, Serial No. 629,107
18 Claims. (Cl. 33—199)

12. A thread gage for gaging threads previously formed on a test part comprising a frame, a plurality of gaging wheels having smooth thread gaging ribs around at least a portion of the periphery thereof for contact only with a test part at a plurality of points around the circumference thereof and which test part moves axially only with respect thereto, pivot means for each wheel carried by the frame in spaced relation supporting the wheels for rotation, at least one of the pivot means being fixed to the frame, and the axis of the pivot means and the thread gaging ribs having a relationship with respect to each other ranging from being in the same plane to an angularity between the planes thereof in excess of the helix angle of a perfect thread.



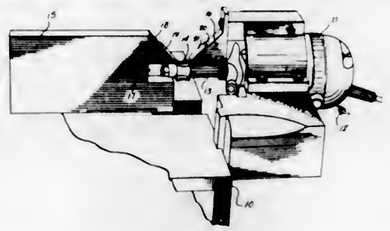
14. A thread gage for gaging threads previously formed on a test part comprising a frame, a plurality of wheels having smooth thread gaging teeth around at least a portion of the periphery thereof for contact only with a test part at a plurality of points around the circumference thereof, which test part moves axially only with respect thereto, pivot means for each wheel carried by the frame in spaced relation and supporting the wheels, one of the pivot means being fixed to the frame, the axis of the pivot means and the thread gaging teeth having a relationship with respect to each other ranging from being in the same plane to an angularity between the planes thereof in excess of the helix angle of a perfect thread, a block mounting one of the pivot means and its gaging wheel, parallel spring means supporting the block for parallel movement towards and away from the other, and an indicator connected with the movable block to indicate the movement of the gaging wheel.

2,597,645
RUST INHIBITIVE LEAD PIGMENTS
Leonard M. Kebrich, Brooklyn, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 3, 1947, Serial No. 759,001
4 Claims. (Cl. 106—298)

1. A process for manufacturing a litharge free red lead composition which comprises forming a water slurry of red lead containing free PbO and slowly adding to said slurry chromic acid in amount to convert said free PbO to lead chromate and filtering and drying the product.

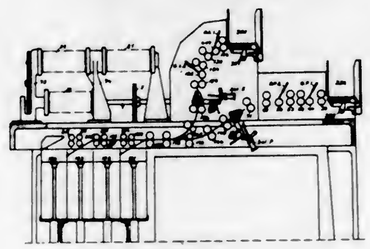
2,597,646
GUIDE MEANS FOR WOOD SHAPERS
Clarence H. Kemmerer, Emmaus, Pa.
Application April 5, 1951, Serial No. 219,469
5 Claims. (Cl. 144—134)

1. The combination with a work table and a portable type wood shaper having a housing arranged so that the housing is perpendicular to the edge of the work table and secured to the work table, a rotatable cutter shaft extending horizontally from the housing over the work table in substantial parallelism with the upper surface of the work table, and a cutter on said cutter shaft, of means for guiding a work piece over said cutter transversely of the cutter shaft comprising two complemental guide elements secured respectively to the top of the work table and to the upper part of the housing of the wood shaper and having an effective work guiding width at least as great as the diameter of the cutter shaft and not greater than the width of the shaper



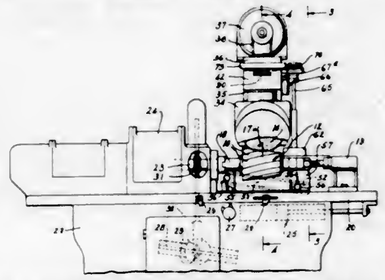
housing, said guide elements extending generally longitudinally of said cutter shaft and in longitudinal alignment with respect to each other.

2,597,647
STORING AND COMPARING ARRANGEMENT FOR COLLATING AND THE LIKE MACHINES
Knut Andreas Knutsen, Paris, France, assignor to Compagnie des Machines Bull (Societe Anonyme), Paris, France, a company of France
Application December 16, 1950, Serial No. 201,142
In France December 29, 1949
7 Claims. (Cl. 235—61.7)



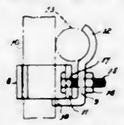
2. In a cyclically operable card collating machine, with means for feeding and reading cards bearing designation data, two storage units for storing designation data from said cards, each storage unit comprising commutator means operated synchronously with said feeding means, a plurality of gaseous discharge tubes normally extinguished, each tube being assigned to a different index value of the cards and the firing of the tube being initiated when a voltage impulse is applied to its control grid, electric circuit connections between said reading means and the slip ring of said commutator means and between segments of said commutator means and the control grids of said tubes to transmit to said grids the impulses delivered by said reading means, a load resistance for each tube, each resistance being of different value in relation to the index value assigned to each tube, a resistance forming a common output load for all the tubes of a unit, for the generation across said resistance, when anyone of said tubes is fired, a voltage related to the magnitude of the index value read as long as the circuits of the conductive tube are not open, and means common to both storage units to sense the relationship between the voltages generated and to control the subsequent operation of the machine according to said relationship.

2,597,648
MACHINE FOR FORMING CUTTERS
James J. Lucas, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application February 27, 1950, Serial No. 146,519
11 Claims. (Cl. 51—123)



10. A machine for forming spiral teeth of substantially constant lead on a longitudinally tapering rotary cutter, said machine having, in combination, a cutter support, means on said support mounting said cutter for rotation about the cutter axis, a support having a grinding wheel rotatably mounted thereon for engagement of a peripheral surface thereon with the face of one of said cutter teeth, means mounting said supports for relative reciprocation along said cutter axis, for relative movement along a path extending transversely of the cutter axis, and for relative swiveling along an axis extending along the normal line of contact between the wheel surface and a face of the cutter tooth being ground, mechanism for reciprocating the movable support, and mechanism deriving motion from the reciprocation of the reciprocatory support and operable to simultaneously turn the cutter about said cutter axis and relatively move said supports along said path and about said second axis in accordance with the changing taper and helix angle of the engaged tooth face.

2,597,649
SCAFFOLDING CLIP OR CLAMP
Allan Macbeth, Fernhurst, England
Application August 5, 1947, Serial No. 766,378
In Great Britain April 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 29, 1964
6 Claims. (Cl. 287—54)



1. A fitting for clamping together in angular relationship two bars of a scaffold at their point of crossing, the fitting comprising a hook member made from flat strip material and including a flange portion, a lateral portion angularly extending from the flange portion, and a hook portion extending from the lateral portion opposite said flange portion, the hook portion being curved back towards the flange portion, the hook member being open opposite the lateral portion to permit attachment to, and removal from, a scaffold bar, the flange portion having a hole therein; a substantially L-shaped clamp member made from flat strip material, said clamp member having a central flange portion adapted to lie sub-

stantially parallel with the flange portion of the hook member in clamping position of the fitting, the flange portion of the clamp member having a hole therein, one end portion of the clamp member being curved for engagement with the crossing scaffold bar, the other end portion of the clamp member being bent at substantially right angles with respect to the flange portion, said other end portion having an edge for engaging the scaffold bar embraced by said hook member; and a screw-threaded bolt passing through the hole in the flange portion of the clamp member, the bolt being fitted with a nut for drawing the hook member and clamp member towards each other, the other end portion of the clamp member extending parallel with, and engaging, said hook member to prevent turning of said clamp member with respect to said hook member upon drawing together of the members by means of said nut.

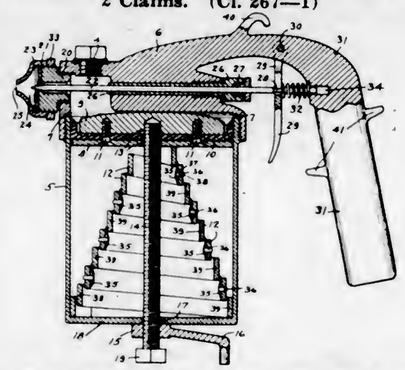
2,597,650

SPRING-OPERATED SPRAY GUN

George B. Maehren, Seattle, Wash.

Application October 17, 1947, Serial No. 780,414

2 Claims. (Cl. 267—1)



1. In apparatus of the class described, a conically shaped spirally wound one piece compression spring adapted to be interposed between two relatively movable members, said spring being formed of flat spring metal of substantially rectangular cross section and the coils of said spring being adapted to telescope relative to each other when the spring is compressed, whereby the spring will occupy a minimum amount of space; coil holding latch means carried by coil portions of said spring; and latch receiving recesses provided in other coil portions of said spring adjacent to and in registration with the latch means when said spring is compressed, the latch means being adapted to engage within the recesses and releasably connect the coil portions of said spring together when the spring is compressed and to release the coils of said spring successively from one end of the spring as said spring expands.

2,597,651

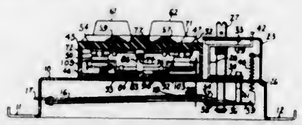
WATER HEATER THERMOSTAT

Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin

Original application December 14, 1948, Serial No. 65,233. Divided and this application May 4, 1950, Serial No. 159,881

3 Claims. (Cl. 200—139)

3. A thermostatic switching apparatus for controlling an electric circuit comprising: a casing, switching mechanism secured to the outside of said casing, an opening in said casing, a bracket mounted on said casing in overlying relation to said opening, arcuately placed scale markings on said bracket, an elongated moveable member pivotally mounted within said casing, a bimetal element secured to said moveable member and linked to said switching mechanism, an arcuate cam track supported by said moveable member, an adjusting post extending loosely through said bracket, said casing and said moveable member, a



first arm comprising a temperature indicator rigidly secured to said post adjacent said bracket and having a portion adapted upon rotation of said post to cooperate with said scale markings to indicate the rotative position of said post, a second arm rigidly secured to said post adjacent said casing and carrying a cam follower adapted to move over said cam track upon rotation of said post whereby rotation of said post results in pivoted movement of said moveable member within said casing.

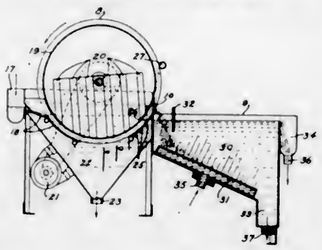
2,597,652

METHOD OF MAGNETIC SEPARATION

Robert L. Manegold, Shorewood, and Ira H. Wynne, Milwaukee, Wis., assignors to Dings Magnetic Separator Co., Milwaukee, Wis., a corporation of Wisconsin

Application February 20, 1947, Serial No. 729,704

1 Claim. (Cl. 209—39)



The method of magnetic separation which comprises, subjecting masses of granulated iron ore to a zone of intense magnetic influence within an initial bath of liquid to produce highly magnetized flocculated clusters of relatively large iron granules having finer magnetic particles adhering thereto while hydraulically eliminating the tailings within the initial bath, thereafter completely and rapidly removing the flocculated clusters from said zone of magnetic influence and initial bath to permit the clusters to spread and to thus increase the porosity thereof and while said granules are still highly magnetized promptly immersing the expanded clusters in a second bath and subjecting a thin slowly advancing layer thereof to a multiplicity of powerful jets projected upwardly through the second bath to release and remove fine tailings which may have been entrapped within the clusters during the initial separation, removing the released fine tailings from the second bath by floatation while allowing all of the iron particles to sink and be withdrawn from the bottom of said second bath,

and subsequently demagnetizing the removed iron clusters to produce disintegration thereof and classifying the ingredients.

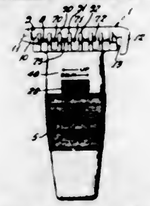
2,597,653

RAZOR TYPE HAIR TRIMMER

Warren M. Mansfield, Glendale, Calif., assignor to Cutter Corporation, Dover, Del., a corporation of Delaware

Substituted for abandoned application Serial No. 68,907, January 3, 1949. This application January 25, 1951. Serial No. 207,768

5 Claims. (Cl. 30—31)



1. A hair trimming type razor comprising a blade holder having opposed inner and outer members for clamping the blade therebetween, a handle having a guard comprising spaced members having inner faces respectively lying in a plane, said handle having means supporting said blade holder for transverse movement of the cutting edge of the blade in a path parallel to itself behind said members and adjacent and parallel to said faces, a ledge extending across said path, said ledge having an outer end extending across the space between adjacent guard members in position to abut and guard the cutting edge of the blade by juxtaposition therewith, the space between said adjacent guard members opening into the outer end of said ledge whereby the cutting edge of the blade is guarded when in juxtaposition with said ledge and unguarded when off of said ledge, and means for moving said blade holder to move the blade along said inner faces between said guarded and unguarded positions.

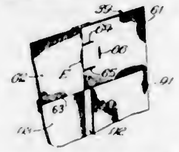
2,597,654

FABRICATION OF GARMENT FASTENING ELEMENT

Louis Markin, Chicago, Ill., assignor, by mesne assignments, to Hook-Flex Company, Chicago, Ill., a copartnership

Application March 2, 1950, Serial No. 147,251

15 Claims. (Cl. 2—235)



1. In a nether garment, a waistband, one end of said waistband comprising two overlapping sections of material, one of said sections extending beyond one end of the other section, one of said sections being folded along a line spaced from one end thereof in the overlapping zone, said pair of sections having a line of stitching passing through the juxtaposed portions of the sections along the fold line of said section having a fold line therein, and said stitching being interrupted intermediately of its ends to provide a gap defining an eye spaced from the said end of the waistband, and cooperating fastener means on the other end of the waistband adapted to cooperate with said eye when the waistband is in body encircling position.

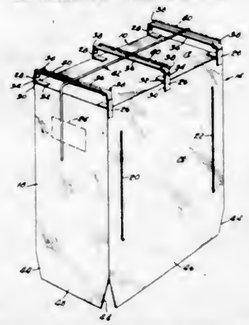
2,597,655

OXYGEN TENT CANOPY

George J. Marson, East Williston, N. Y.

Application June 1, 1950, Serial No. 165,513

11 Claims. (Cl. 135—5)



1. An oxygen tent canopy comprising in combination: a body of plastic material having a top panel and a skirt depending therefrom, a first series of spaced tabs sealed to the upper portion of said body at one side thereof, a second series of spaced tabs sealed to the upper portion of said body at the other side thereof, the individual tabs of said two series of tabs being opposite each other, and a series of elastic suspension bands, the ends of each suspension band being connected with a pair of opposite tabs.

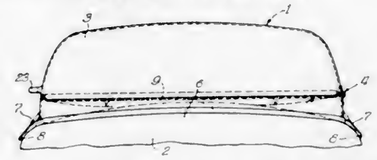
2,597,656

TURRET TOP LUGGAGE COMPARTMENT

William E. Martin, Kewanee, Ill.

Application March 27, 1947, Serial No. 737,476

11 Claims. (Cl. 224—42.1)



7. An automobile luggage carrier in combination with the automobile turret top comprising a substantially horizontally arranged deck, a skirt integrally formed with said deck and terminating in a raised border having peripheral connection with said deck, and structural members disposed across said deck to reenforce and stiffen the luggage carrying portion of said deck, said structural members providing a part of said deck and having connection with spaced points on peripheral portions of said raised border and adjacent said skirt.

2,597,657

SAFETY LOAD EQUALIZING AND DRAFT STABILIZING COUPLING DEVICE FOR AUTOMOBILE TOWED TRAILERS

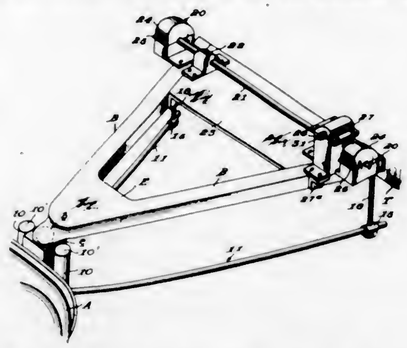
Martin H. Mathisen, North Hollywood, Calif.

Application June 25, 1951, Serial No. 233,424

9 Claims. (Cl. 280—33.9)

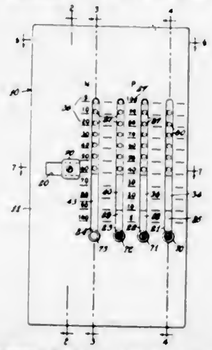
1. An auxiliary automobile-trailer hitch comprising a pair of elongated vertical axis pivot

means for attachment to the automobile at laterally opposite sides of an articulated joint between same and the trailer, a pair of normally straight spring rods having angular end portions snugly receivable within said pivot means for pivotal movement of the rods horizontally only,



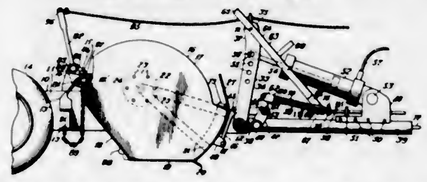
a pair of generally vertically disposed flexible suspension members having corresponding ends thereof connected to the free ends of said rods, and power means for support on said trailer above said rods and operatively engaged with the opposite ends of said flexible suspension members for bending and tensioning the rod.

2,597,658
COLOR CORRECTION GAUGE
Guido Mattucci, New York, N. Y.
Application July 8, 1950, Serial No. 172,771
3 Claims. (Cl. 35—28.3)



1. A color gauge for use as a retouching guide in connection with color printing, comprising a housing having front and back panels and side walls, registering window openings in said front and back panels adjacent one of said side walls, said front panel having a plurality of vertical slots therein and progressively spaced between said window openings and the second of said side walls, a fixed guide member carried by said front panel between each pair of said slots and forming therebetween a series of progressively displaced parallel channels a flat rigid guide member carried by each of said first guide members, said flat guide members being successively spaced between said front and back panels to form a series of spaced parallel channels and terminating in advance of said window openings, a set of rigid supports mounted to slide in said first channels, actuating members carried by said supports and extending through the respective vertical slots for independent actuation of each support, said supports including rigid slides slidable in said parallel channels between said flat rigid guide members, and a transparent film carried by each slide for sliding movement into display position between said front and back window openings, said films being mutually spaced in overlapping position by said rigid slides said films being of different colors and each film varying in shade from top to bottom, said films being slidable with said supports to bring selected color areas thereof into overlapping registration with said window openings whereby a selected color can be composed by relative adjustment of the various supports, all of said films having identical shade values and variations from top to bottom whereby shade values can be determined and transposed from one color to another by making identical adjustments of the respective films.

2,597,659
SCRAPER AND APRON ACTUATING MECHANISM
Lawrence McCoy, Riverton, Wyo.
Application October 21, 1948, Serial No. 55,785
6 Claims. (Cl. 37—129)



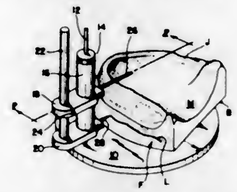
1. In a scraper, a tiltable frame having spaced side members and a transverse front member, wheels journalled on the rear of the side members, a scraper bowl pivotally mounted on the side members, said bowl having an opened front end and a scraper blade extending outwardly from the bottom thereof, a vertically movable gate pivotally mounted on the side members for closing the front end of the bowl, a longitudinally extending draft bar pivotally connected at its rear end to said transverse member and having a front free end arranged to be connected to a vehicle, said transverse member having an elongated upright extending substantially centrally therefrom and positioned to the rear of said transverse member, a fluid motor pivotally connected at its front end to said draft bar, said motor having a rearwardly and upwardly extending reciprocating piston rod pivotally connected to said upright for raising and lowering the forward end of the frame and the bowl, a rock shaft mounted on said front transverse member, means operatively connecting said shaft to said upright, and means operatively connecting said shaft to said gate, the parts being constructed and arranged so that movement of the piston rod controls the movement of the bowl and the gate.

2,597,660
ZINC SULFIDE TYPE PHOSPHORS
Alfred H. McKeag and Peter W. Ranby, North Wembley, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application March 15, 1950, Serial No. 149,888. In Great Britain December 8, 1947
12 Claims. (Cl. 252—301.6)

1. A luminescent material comprising a matrix consisting essentially of material of the

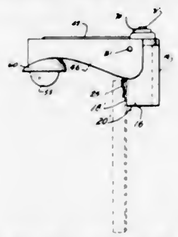
group consisting of zinc sulphide alone and zinc sulphide having up to about 20 per cent by weight of the sulphur therein replaced by material of the group consisting of selenium and tellurium and mixtures thereof, and an activating proportion of phosphorus amounting to about .02 to 10 per cent by weight of the matrix.

2,597,661
APPARATUS FOR SCRIBING DENTAL MODELS
Duncan S. McPhee, Seattle, Wash.
Application July 21, 1950, Serial No. 175,045
2 Claims. (Cl. 33—42)



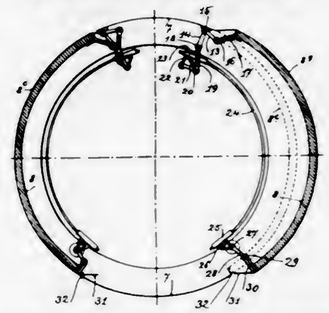
1. A device for scribing dental models in the transfer of a jaw ridge profile to a marginal upright face of the model not normally concealed by the bite-plate, comprising: a surface plate of a size to receive a model thereon and rigidly supporting an upstanding column located adjacent the margin thereof, a slider rotatably and slidably mounted on said column, said slider including a scriber pin outstanding at one side and a feeler finger superposed over said pin in parallel alignment, said feeler pin extending from said column axis a greater distance than said scriber pin whereby when said feeler pin is in contact with a jaw ridge of a dental model the scriber pin will be directed at an upright marginal face of the model therebelow and will scribe the same as the model is rotated relative said column.

2,597,662
PORTABLE SELF-CONTAINED READING LAMP
Louis Melamed, Morris U. Greenberg, and Irving J. Swartzman, Brooklyn, N. Y.
Application October 21, 1949, Serial No. 122,608
3 Claims. (Cl. 240—6.4)



2. A reading device comprising in combination, a casing for receiving a pair of batteries and having an open end for inserting and removing said batteries, means on the casing for engaging the upper edge of an open book to support the device thereon, a member pivotally mounted on said casing and including a portion for covering the open end of the casing in one position of said member, said member further including a pair of arms extending forwardly of said cover portion, a lamp socket on each arm to receive a lamp for illuminating one half of said open book, switch means on said member operable to connect one lamp with one of said batteries while disconnecting the other lamp from the other battery, said switch means being further operable to disconnect both lamps from said batteries.

2,597,663
ENGINE COWL FOR AIRCRAFT
Louis Mary Michard, Fontenay Aux Roses, France, assignor to Societe dite: Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France, a French company
Application December 5, 1946, Serial No. 714,253
In France December 19, 1945
23 Claims. (Cl. 123—41.59)



8. An engine cowl for aircraft comprising a cowl, a ring disposed rearwardly of the cowl, the inner side of the said ring having, longitudinally, a trumpet shaped section and the said ring being formed of fixed peripheral segments and movable peripheral segments, carried by said fixed segments, a pivoted lever for each of said movable segments which is linked at its extremities thereto and which has the axle thereof carried by one of said fixed segments and parallel to the axis of the cowl, one of these levers being positively actuated, a toothed sector, a rack at one end of a member in the form of an arc engaging said toothed sector and connecting said actuated lever with an inactuated lever, a second rack at the other end of said member, a toothed sector engaging said second rack and a connecting rod secured to the said sector and secured to the pivoted lever linked on the extremity of the segment opposed to that bearing the actuated pivoted lever, each movable segment being thus movable in a radial direction from the forepart of the said cowl to define one correspondent peripheral zone exterior to the forepart of the cowl, during the forward movement of the engine, effecting an aspiration of the air in the cowl interior by means of the air passing through the said peripheral zone, when the said radially movable segments are outside of the forepart of the cowl, thus increasing the rate of flow of the cooling air in the interior of the said forepart of the cowl.

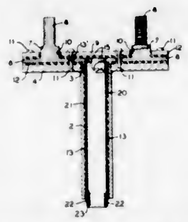
2,597,664
ANTILEAK FOUNTAIN PEN
Benjamin F. Miessner, Morristown, N. J.
Application May 8, 1950, Serial No. 160,624
4 Claims. (Cl. 120—46)



4. A fountain pen construction as defined in claim 2 further characterized in that the flexibly

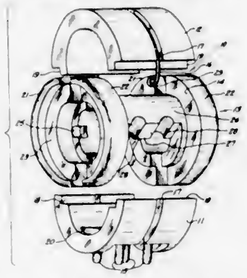
anchored member and its associated strip are located in the barrel so said member may be directly under the thumb or finger of the user of the pen depending on whether or not the user is right or left handed and further defined in that the ink container is substantially filled with a sponge material.

2,597,665
THERMOCOUPLE
Malcolm B. Nicholls, Cincinnati, Ohio, assignor, by mesne assignments, to Revere Corporation of America, Inc., Wallingford, Conn., a corporation of Connecticut
Application September 2, 1950, Serial No. 182,985
4 Claims. (Cl. 136—4)



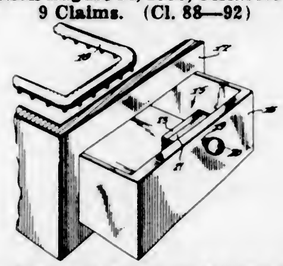
1. A thermocouple comprising a tubular casing, thermocouple wires disposed within said casing and projecting slightly at an end thereof where they are intimately joined to provide the hot junction of the couple, terminals at the other end of said casing for making external electrical connection to said thermocouple wires, and a relative thin coating of vitrified enamel encasing each of said wires and bonding them securely to the interior wall of said casing substantially throughout the extent of the latter.

2,597,666
MOVABLE CONTACT BASE
Arthur B. Oday, Cleveland Heights, and Arthur C. Barr, Shaker Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application November 5, 1947, Serial No. 784,126
5 Claims. (Cl. 313—318)



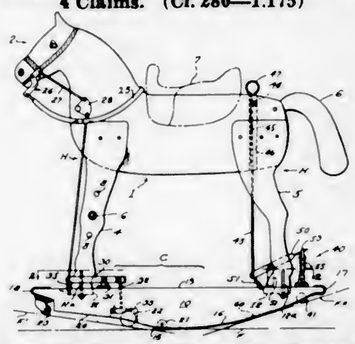
1. A mechanical base for a lamp having an elongated envelope bent to a substantially closed configuration with its ends directed toward each other and electric terminals extending from its ends, comprising a tubular shell having recessed ends shaped to receive and butt against the lamp ends to hold said base between said lamp ends, said shell also having means integral therewith and engageable with cooperating means on said lamp to hold said shell against rotation on said lamp ends and having a circumferential groove in its side with an opening into its interior in the bottom of the groove and comprising also a contact carrying member slidable in the groove with its contacts exposed through the side opening in the shell and electrically connected to the lamp terminals.

2,597,667
MIRROR MEANS FOR GAS JET VIEWER FOR OVEN GAS FLAMES
Aaron Palatnick, Bronx, N. Y.
Application August 14, 1950, Serial No. 179,219
9 Claims. (Cl. 88—92)



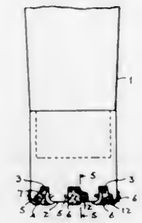
1. In a device of the class described including a frame having a door hinged thereto, the combination of a manually rotatable operating shaft, a pinion carried on said shaft, a rack cooperating with said pinion, a linkage interconnecting said rack and door and adapted when said pinion is rotated to open said door, a stud arranged to move with said rack, a rotatable sleeve having a helical cam slot adapted to receive said stud, said sleeve being rotated by the cooperation of said stud and slot when said rack is moved, a normally vertically disposed mirror, and lever arms connecting said sleeve and mirror whereby said mirror is raised out of its normal disposition when said sleeve is rotated, and a spring interconnecting said rack and frame whereby said rack is returned upon release of said shaft to thereby effect lowering of said mirror and closing of said door.

2,597,668
PLAYTHING OF THE ROCKING HORSE TYPE
Andrew Pelley, Orrville, Ohio
Application March 29, 1950, Serial No. 152,618
4 Claims. (Cl. 280—1.175)



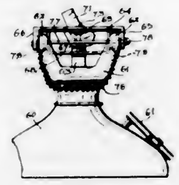
1. In a plaything of the rocking horse type, a body, rockers attached to and supporting the body, steering means including forwardly disposed dirigible and non-dirigible wheels on the rockers capable of wholly supporting the plaything on a floor in rolling contact therewith, and rearwardly disposed rollers arranged to be lowered from positions in which the rockers prevent contact thereof with such floor into floor-contacting positions whereby to enable backing up of the plaything as the same is rocked rearwardly.

2,597,669
DRILL BIT
Joseph L. Pilon and Anede Beaulieu, North Bay, Ontario, Canada, assignors to Inspiration Mining & Development Company Limited, Toronto, Ontario, Canada
Application January 20, 1950, Serial No. 139,584
4 Claims. (Cl. 255—72)



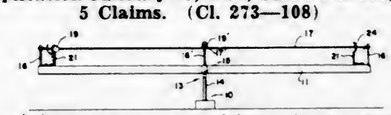
1. In a diamond drill bit, an annular working face, a plurality of rollers in the form of diamond-encrusted cylinders of uniform diameter and of a length to occupy an appreciable proportion of said annular working face, said cylinders being mounted in said annular working face with their length extending substantially in a circumferential direction to rotate upon axial movement of the bit on circumferentially extending axes perpendicular to radii of said bit.

2,597,670
TELEPHONE SWITCH HOOK ACTUATOR
Arthur Gomes Pinto, Rio de Janeiro, Brazil
Substituted for application Serial No. 6,746, February 6, 1948. This application May 10, 1951, Serial No. 225,587. In Canada October 4, 1948
3 Claims. (Cl. 179—147)



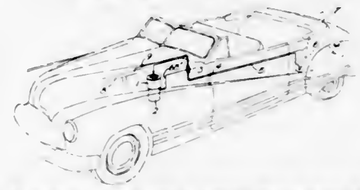
1. A telephone base-set attachment comprising a rectangular plate portion having depending side walls for slidably engaging hook portions of said base-set, a cam member pivoted in said rectangular portion, a box member having a plurality of holes therein mounted on the underside of said rectangular plate portion by suitable rivets extending therethrough, an elongated plate member having a plurality of holes therein slidably mounted on said rivets between said rectangular plate portion and said box member, whereby an upwardly biased switch in said base-set extends vertically through said box member to resiliently maintain said elongated plate member in contact with said cam member, and means cooperating with said box member and said base-set for holding the attachment in place on said base-set.

2,597,671
SLIDING TARGET GAME
John O. Prentiss, San Benito, Tex.
Application January 19, 1950, Serial No. 139,357
5 Claims. (Cl. 273—108)



1. A toy or game comprising a base, a pair of crossed arms supported by the base, a guide wire secured to and extending longitudinally of each arm in parallel relationship to the arm, a missile slidably mounted on one wire, a target slidably mounted on the other wire, one of said wires being supported a slight distance above the other of said wires, and a projector on the arm supporting the wire having the missile for directing the missile toward the opposite end of the guide wire to strike the target on the other wire before the target passes the cross-over point of the wires when the arms are tilted to allow the target to slide from one end of the wire to the other end thereof.

2,597,672
ACCESSORY SYSTEM
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application January 27, 1947, Serial No. 724,569
6 Claims. (Cl. 230—52)

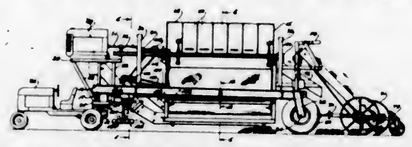


6. A motor pump unit comprising coaxially arranged motor and pump chambers with a common head therebetween, a piston in each chamber connected through the head to the companion piston for movement in unison, automatic valve mechanism arranged to the remote end of the motor chamber and having a port opening directly into the motor chamber at the near side of its piston, a communication tube extending from the mechanism and through the motor piston in fluid seal contact therewith with the outer end of the tube being in communication with the motor chamber at the far side of its piston, said tube constituting a guiding support for the motor piston, a removable head for the outer end of the pump chamber, said removable head having a pressure chamber and a suction chamber therein, a suction supply port opening into the suction chamber, a valve for opening and closing the supply port, a delivery passage from the pump into the pressure chamber, two ports opening into the pressure chamber, and a valve for selectively connecting the suction chamber to one or the other of the pressure chamber ports and concurrently establishing communication between the pressure chamber and the unconnected one of said pressure chamber ports.

2,597,673
SELF-LEVELING BEAN AND PEA HARVESTER
Roy Ritter and William Ritter, Lewes, Del.
Application January 30, 1947, Serial No. 725,212
4 Claims. (Cl. 130—30)

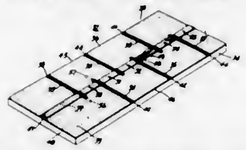
1. A mobile vine hulling machine for collecting the vines and separating the beans or peas from

the vines and pods as the machine is moved over a field, said machine including in combination, an outer supporting frame having spaced longitudinally extending side bars, an inner frame having side bars associated with the side bars of the outer frame, the side bars of the frames intermediate their ends having transversely aligned means pivotally connecting the inner side bars to the outer side bars, cross members above said frames and having depending end portions fixed to the ends



of the inner frame, said machine having a machine frame positioned within said inner and outer frames, means pivotally connecting the cross members centrally to the opposite ends of the machine frame to allow relative lateral rocking movement between the machine and the inner frame, and means operatively associated with the inner frame for maintaining the same substantially level upon displacement of the outer frame when the machine passes over uneven ground.

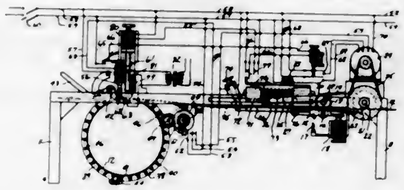
2,597,674
PRECISION RESISTANCE DEVICE
Alexander G. Robbins, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 29, 1949, Serial No. 124,337
4 Claims. (Cl. 201—62)



1. An electrical potentiometer comprising a base of electrical insulation material, a coating of electrical resistance material on said base, a second coating of resistance material extending from one end of said base to the other and covering a narrow portion of the central area of said first coating to define a brush path of double thickness of conductive coating, said coatings including transverse slots alternately extending inwardly from opposite side edges of said device completely across said second coating but not completely across said first coating to provide a zig zag resistance path having a predetermined desired resistance characteristic.

2,597,675
BANDING MACHINE
Clarence W. Sackett, Warren, Ohio
Application October 18, 1946, Serial No. 704,227
3 Claims. (Cl. 100—31)

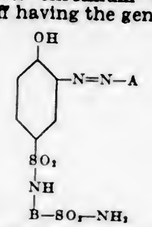
1. In a banding machine having guide means positioned about an object to be banded, rolls for advancing banding material in one direction into the said guide means, the rolls being mounted for movement toward and away from each other, a rotary switch operable by said banding material passing around the said guide means and controlling the position of the said rolls, a reciprocatively actuated carriage having a banding material engaging member thereon, and an arm pivoted to one of the said rolls and to the said carriage for imparting movement to the latter, the said member comprising a pawl having means normally urging the said pawl into engagement with the said banding material and a solenoid on said carriage for moving the pawl to inoperative position, the



said carriage and pawl being adapted to move the banding material in the opposite direction so as to tighten the same about an object being banded, the said rotary switch de-energizing the said solenoid on the carriage simultaneously with the movement of the rolls away from each other whereby the direction of the advancing banding material may be reversed.

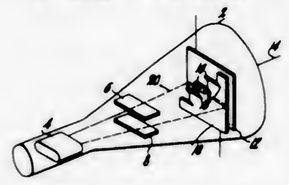
2,597,676
COMPLEX CHROMIUM COMPOUNDS OF O.O'-DIHYDROXY AZO DYESTUFFS
Guido Schetty, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application May 28, 1951, Serial No. 228,750. In Switzerland July 6, 1950
5 Claims. (Cl. 260—151)

1. The complex chromium compound of a monoazo dyestuff having the general formula:



wherein A represents a naphthalene nucleus containing an OH group in the o-position to the azo group and B represents a benzene nucleus, A and B being otherwise free from carboxylic acid and sulphonic acid groups.

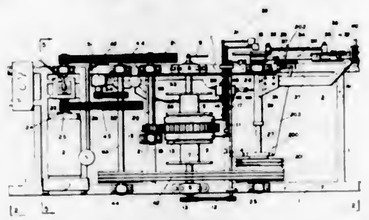
2,597,677
QUANTIZING APPARATUS
Alfred C. Schroeder, Southampton, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1950, Serial No. 190,524
3 Claims. (Cl. 313—89)



1. A quantizing tube adapted to produce a quantized signal that has a minimum flat to rise

ratio comprising in combination and evacuated envelope, an electron gun mounted in said envelope, said electron gun being adapted to project a ribbon like beam of electrons, deflection plates positioned on either side of the small dimension of said beam, a target having substantially rectangular steps mounted within said envelope in such a manner that one side of said steps is positioned 90° from the other side of the step, the side of each step parallel to the greater dimension of said beam being extended beyond the dimension of the body of the step.

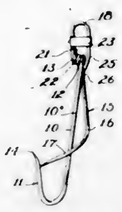
2,597,678
YARDING DEVICE FOR CUTOFF SAWS
Clyde Schurman, Woodland, Wash.
Application August 28, 1946, Serial No. 693,558
1 Claim. (Cl. 143—92)



A yarding apparatus comprising a main frame, skids on said frame for the ready portability thereof, a power plant providing a constant speed source mounted at one corner of said frame, a drive shaft for said power plant, a variable speed transmission connected to said drive shaft, a first shaft parallel to said drive shaft and mounted on said frame adjacent said power plant, a driving connection between the drive shaft of said power plant and said first shaft to drive said first shaft at a constant rate of speed, a drive shaft for said transmission, a second shaft journalled on said frame parallel to said first shaft, a driving connection between the drive shaft for the transmission and said second shaft, a third shaft journalled on said frame parallel to said first and second shafts, yarding drums on said third shaft, a driving connection between said second shaft and said third shaft for driving said third shaft at variable rates of speed, a fourth shaft journalled on said frame in parallel relation to said first, second and third shafts, a driving connection between said fourth shaft and said first shaft for driving said fourth shaft at a constant rate of speed, whereby when a saw is mounted on said fourth shaft to be driven at a constant rate of speed, the speed of said third shaft may be varied to address logs of different sizes to the saw on said fourth shaft.

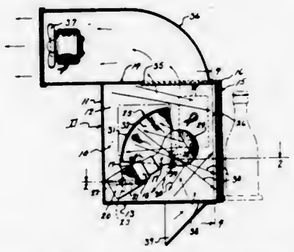
2,597,679
FISHING HOOK
Fred Schwarzer, Pottstown, Pa.
Application April 22, 1947, Serial No. 743,050
2 Claims. (Cl. 43—44.8)

2. A fishing hook comprising a shank having a barbless hook member at one end and a coil at the other end forming a bearing and a spring guard member having an axle received by the bearing and an eye forming a continuation of said axle, a portion of the guard member being sharply inbent to form a detent which is engageable with the shank of the hook member for retaining the hook member and guard in coacting engagement, said guard being curved and of such a length as to contact the point of the barbless hook member and the shank of the barbless hook projecting beyond the coil in such



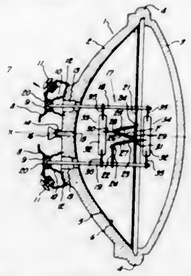
a manner as to be engageable with a portion of the eye for aiding in maintaining the guard and the hook in operative engagement.

2,597,680
BOTTLE VIEWING MACHINE
Donald L. Sissler, Oshkosh, Wis.
Application February 6, 1950, Serial No. 142,580
2 Claims. (Cl. 88—14)



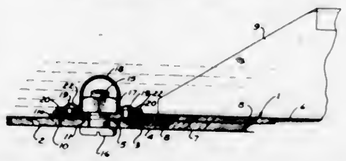
1. A device for inspecting colored bottles comprising a casing having top, bottom, back and end walls, each of said end walls having a horizontally disposed slot adjacent its lower end, a transparent panel carried by the front of the casing, said panel having its inner face etched and coated with a colored substance corresponding to the color of bottles passing in front of the panel, said colored substance being of a less thickness at the lower end of the panel than on the major portion of the panel, a plate extending longitudinally of the casing in rear of the panel and having downwardly projecting feet for engaging the end walls of the casing adjacent said slots, said feet being provided with studs extending transversely therefrom and adapted to pass through said horizontally disposed slots, so that the plate can be moved back and forth and tilted on the studs, means on said studs engaging the end walls for holding the studs and plate in a selected adjusted position, a bank of electric lamps secured to said plate whereby the bank of lamps may be angularly adjustable and moved toward and away from said panel, a reflector mounted in said casing rearwardly of said lamps and extending longitudinally thereof, said reflector being of an arcuate shape in cross section and angularly adjustable, and a reflecting coating on the front of the lamps to direct the rays of light rearwardly whereby said bank of lamps and said reflector, both being adjustable, direct the majority of the rays of light from the lamps in a downward path through that portion of the panel having a less thickness of coating and through the bottom portion of the bottles passing in front of the panel.

2,597,681
ELECTRIC INCANDESCENT LAMP
Richard E. Smith, Shaker Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application July 1, 1950, Serial No. 171,726
6 Claims. (Cl. 313—113)



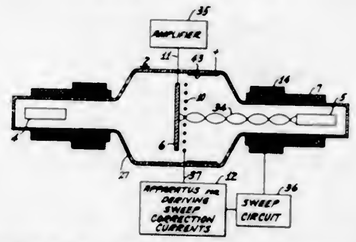
1. An electric incandescent lamp comprising a sealed envelope having a focusing reflector for producing a long beam of substantially parallel rays, a coiled-coil filament in said envelope comprising a plurality of individual segments disposed in a common plane and arranged at substantially the same acute angle with respect to each other, a pair of spaced rigid inlead conductors in said envelope extending substantially parallel to and disposed substantially in a plane containing the focal axis of said reflector and having inwardly directed portions extending laterally of and toward the axis of the reflector so as to lie substantially in said plane, said inwardly directed conductor portions being spaced apart longitudinally of the reflector axis and being connected to the ends of said filament to rigidly support the said filament ends in said plane, and means for additionally supporting the filament at the junctions between the said segments thereof to hold it substantially centered about the focal point of the reflector and in said plane with its segments extending in the general direction of the reflector axis and its center segment arranged at an acute angle to the axis of the reflector and extending through the focal point thereof, said additional supporting means maintaining the filament substantially in said plane under the operating conditions of the lamp whereby to maintain the light beam from the lamp properly focused.

2,597,682
COVER CONSTRUCTION
Floyd E. Snow, Pasadena, Calif., assignor to Technical Coatings, Inc., Los Angeles, Calif., a corporation of California
Application June 25, 1946, Serial No. 679,287
3 Claims. (Cl. 220—46)



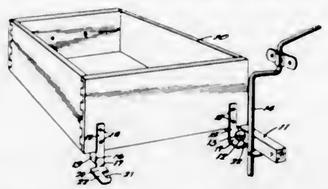
2. In a device of the character described: means forming a tank wall having an opening; a cover having an extension located within the tank wall and overlapping the edges of the opening, said cover extension having a surface making direct contact with an inner face of said wall adjacent said opening; said cover extension having a groove forming a recess around the area of contact of said extension with the face of the tank wall; an imperforate sealing member in said recess engaged by the extension to be forced by said extension against said face; said sealing member normally having a thickness greater than the depth of said recess; and cover fastening means passing through the cover and the tank wall inwardly of said sealing member without passing through the sealing member.

2,597,683
TELEVISION SCANNING APPARATUS
Arthur C. Stocker, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 21, 1950, Serial No. 196,800
4 Claims. (Cl. 313—70)



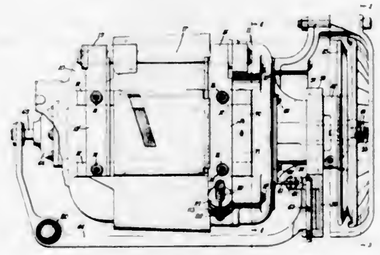
1. Cathode ray tube apparatus comprising in combination an evacuated envelope, a target mounted within said envelope, an electron gun adapted to direct a beam of electrons toward said target, means for establishing a magnetic field along the line of the beam so as to focus said beam, said magnetic field being sufficiently strong to focus the beam at a plurality of points along its path, a grid comprised of parallel members, said grid being mounted so that the parallel members are perpendicular to the direction normally scanned by the beam as it traces a raster, said grid being mounted in a plane that is in focus and parallel to and separate from the face of said target and at a focal point of said beam.

2,597,684
DRAWER HOOK
Jack W. Stringe, Oak Park, Ill.
Application June 8, 1950, Serial No. 166,861
3 Claims. (Cl. 312—333)



3. In combination with a desk equipped with a pair of spaced runners of generally rectilinear cross-section, at least one of said runners being provided inwardly with a stop and the desk being provided with a locking bar adjacent the inside of said runner bearing the stop and inwardly from the stop thereon, a drawer slidable on top of said runners and equipped on both sides of its rear wall with a pair of hook members having portions extending below said drawer, each of said hook members being provided with a flange connected to the outer edge of the portion extending below said drawer and extending at right angles thereto beneath the bottom of said drawer so as to slidably engage the inner face of the adjacent runner, and each of said hook members being provided at its bottom with an integral horizontal flange extending rearwardly from said drawer and having a portion extending below the adjacent runner and adapted to slidably engage the bottom surface of said runner, said stop engaging the outer edge of the portion of said hook member extending below said drawer of at least one of said hook members, the horizontal flange of said hook member abutting said stop having a recess in the inner side thereof to provide a hook receiving said locking bar.

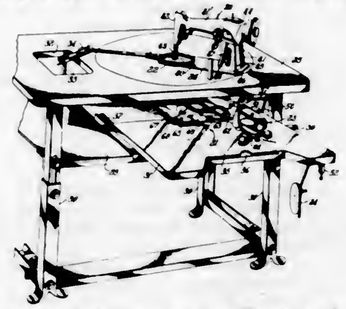
2,597,685
CLUTCH AND BRAKE FOR ELECTRIC TRANSMITTERS
Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 13, 1946, Serial No. 696,828
4 Claims. (Cl. 192—14)



2. In a motor-clutch driving device having, a driving element, a brake, a driven element disposed between said brake and driving element and a shaft carrying said driven element, the improvement which consists in a lever movable about the axis of said shaft for shrifting said shaft endwise to cause said driven element to engage either the driving element or the brake, and an L-shaped arm having one of its limbs pivoted for angular and longitudinal movement about the axis of said shaft and its other limb pivoted to said lever.

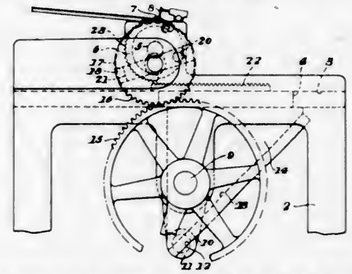
2,597,686
DESIGN-REPRODUCING APPARATUS AND STYLUS UNIT THEREFOR
Edgar P. Turner, Fanwood, and Norris H. Sailer, Union, N. J., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 6, 1950, Serial No. 160,486
21 Claims. (Cl. 112—102)

1. An apparatus for performing work upon a workpiece in accordance with a line on a drawing, comprising a work-performing device, a manually operable design-reproducing frame, a stylus head carried by one end of said frame for tracking the drawing, means carried on the other end of said frame for causing relative motion between said work-performing device and the work, means carried by the stylus head for throwing a spot of light upon the drawing for



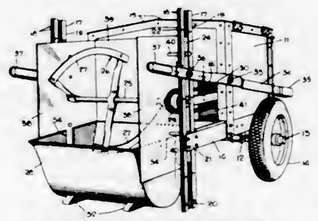
directly tracking the drawing lines, and means for varying the dimensions of the light spot.

2,597,687
BED OPERATING MEANS
Burt F. Upham, San Antonio, Tex., assignor to Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application April 9, 1946, Serial No. 660,721
1 Claim. (Cl. 74—27)



In a printing press or the like, a bed, a hanger connected with the bed, a crank, a turnable crank pin carried by the crank, the crank pin having a slot through which the hanger passes, and means for turning the crank whereby to oscillate the bed.

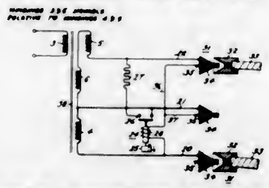
2,597,688
PORTABLE TRAILER MIXER
Chauncey D. Vought, Greenville, S. C.
Application March 16, 1950, Serial No. 150,007
10 Claims. (Cl. 259—178)



1. A portable mixing apparatus of the character described, comprising a chassis, a housing on the chassis, a pair of vertical frame members on the chassis in spaced relation to said housing, plates slidably engaging said frame members, said plates supporting a shaft on which is disposed agitator blades, said plates, shaft and

blades forming an agitator unit movable vertically in said frame members, drive means arranged in said housing, means comprising a pair of chain drives actuated by said drive means for operating the agitator unit, while permitting vertical swinging movement of the unit in said frame members, and a pair of levers pivoted to the housing and to said plates for moving the agitator unit into raised and lowered positions in the chassis.

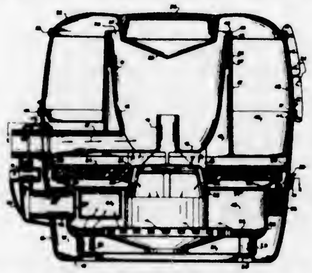
2,597,689
ARC STARTING SYSTEM
Alanson U. Welch, Jr., West Townsend, Mass., assignor to General Electric Company, a corporation of New York
Application February 23, 1951, Serial No. 212,433
10 Claims. (Cl. 323—53)



1. Apparatus comprising an adjustable reactance transformer having primary and secondary main windings, a pair of auxiliary windings, one of which is positioned near one of said main windings and the other of which is positioned near the other of said main windings, and means for connecting said auxiliary windings in series with one another and one of said main windings with said auxiliary windings being connected differentially relative to one another, means for adjusting the leakage reactance of said main windings of said transformer, pairs of supply and load circuit terminals for said windings of said transformer, one of said pairs of terminals being connected across one of said main windings of said transformer and the other of said pairs of terminals being selected from a group of three terminals of which the first and second terminals are connected across the other of said main windings of said transformer and the second and third terminals of which are connected across said differentially connected auxiliary windings of said transformer which are connected in series with one another and said other of said main windings of said transformer, a relay having a pair of normally open contacts and means including an operating winding for closing said contacts in response to the open circuit voltage across said load circuit terminals and for opening said contacts after a predetermined time delay in response to the drop in voltage across said load circuit terminals upon the flow of load current, means for connecting said coil of said relay across said pair of load circuit terminals, and means including said contacts of said relay for completing an electrically conductive circuit between the terminals of said differentially connected auxiliary windings of said transformer which are connected to said second and third terminals of said group of three terminals.

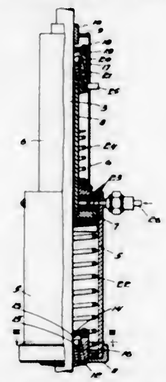
2,597,690
VACUUM CLEANER
Julius P. Wied, Cleveland Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 25, 1949, Serial No. 129,385
9 Claims. (Cl. 183—37)

1. A vacuum cleaner comprising a separator shell of generally semi-ellipsoid form having an upwardly open large end, a tubular inlet adjacent the small end of the shell and extending generally tangentially thereto for directing dirt-laden air into the shell, an axial tubular outlet within the shell and extending from the small



end thereof adapted to direct air from the separator shell, a dirt storage receptacle comprising a ring of U form cross section encircling the separator, and means for detachably securing the receptacle to the cleaner.

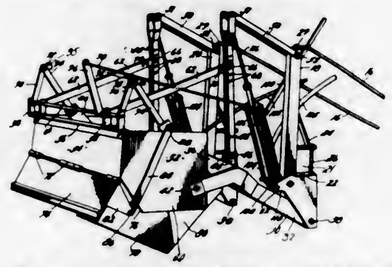
2,597,691
JACK ADAPTED FOR MOVING LOADS ALONG A ROD
Nils Einar Wikström, Strangnas, Sweden
Application August 8, 1950, Serial No. 178,296
In Sweden April 14, 1949
2 Claims. (Cl. 254—106)



1. A jack for moving loads along a rod, comprising a cylinder, a piston movable in said cylinder by means of pressure fluid, one gripping device on said cylinder, and a second gripping device operatively associated with said piston, said two gripping devices automatically interlocking with the rod when the respective gripping device begins to move in one direction along the rod, and automatically releasing from the rod, when the respective gripping device moves in the other direction which is the direction of transport, said gripping devices including each only one single ring of rolling wedge means, circumscribing said rod and lying in a plane at right angles to the longitudinal axis of the rod, individual channel means on each of said gripping devices for separately mounting each of said rolling wedge means, said channel means having a wall opposing and converging towards the longitudinal axis of said rod in the direction of transport and along which the associated one of said rolling wedge means is

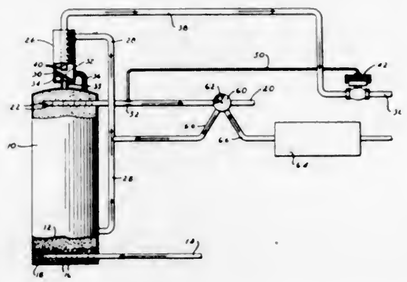
adapted to roll into and out of wedging engagement with said rod, and a spring in each of said channel means urging the associated one of said rolling wedge means into engagement with said rod.

2,597,692
BUCKET DUMPING MECHANISM FOR DUMP TYPE SCOOPS
Marion C. Wills and Wayne J. Wills, Topeka, Kans.
Application July 19, 1947, Serial No. 762,032
3 Claims. (Cl. 214—131)



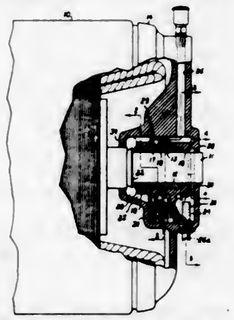
1. In combination with a powered vehicle having an axle housing and a power take-off, a pair of vertically disposed standards detachably secured to said axle housing, a frame secured for pivotal movement at its forward ends to the lower extremities of said standards, a scraper bucket pivoted to the rear ends of said frame, means carried by said standards and actuated by said power take-off to raise said scraper bucket above the ground surface, said scraper bucket having a hinged rear gate and a pivoted bottom member, and a toggle linkage interconnecting said gate and bottom member, whereby they are simultaneously operated to open and close said scraper bucket, said toggle linkage having a dead center position at which said gate and bottom member are secured in the closed position.

2,597,693
CONTINUOUS REGENERATION SYSTEM
Herbert Wolcott, Jr., Columbia, Mo.
Application July 16, 1947, Serial No. 761,179
2 Claims. (Cl. 210—24)



1. Continuous regeneration apparatus for water-softening systems comprising, in combination with a water treating tank containing water treating and softening material and having water supply and servicing connections, an auxiliary washing or rinsing chamber mounted above said tank and communicating therewith and also having a drain outlet provided with an automatic control valve in fluid pressure control relation to said water servicing connection, a bypass connection affording passage for water treating material from the tank to said chamber, means actuated by the discharge flow of water through said servicing connection for feeding regenerative material to said bypass connection, a second bypass connection for supplying rinse water from the top of said tank to the bottom portion of said chamber, and a gravity check valve operative between servicing operations to permit regenerated material to gravitate back from said chamber into the top of said tank.

2,597,694
DYNAMOELECTRIC MACHINE END SHIELD AND BEARING HOUSING
Thomas F. Worth, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application February 8, 1950, Serial No. 143,993
4 Claims. (Cl. 308—132)

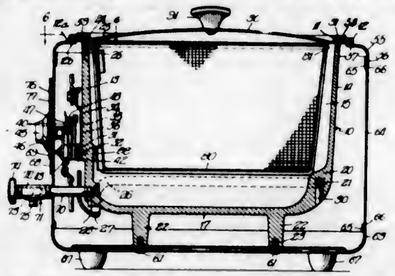


1. An end shield for a dynamoelectric machine having a shaft, said end shield having an integrally formed bearing housing, said housing including an inner annular bearing support, a sleeve bearing arranged within said bearing support and adapted to support said shaft, two axially spaced apart chambers within said housing and substantially surrounding said annular bearing support one comprising a wick receiving chamber and one an oil reservoir chamber, said sleeve bearing having a window at the top thereof, said bearing support having a substantially co-extensive window therein, an oil wick arranged to cross said shaft through said windows and extend around both sides of said support and into said wick receiving chamber, communicating means between said wick receiving chamber and oil reservoir, an oil overflow stand pipe located in said reservoir chamber and leading out of said housing, and means including a barrier between said axially spaced chambers for keeping said wick from blocking said stand pipe.

2,597,695
COOKING UTENSIL
Raymond J. Braski and Fred C. Schwaneke, Chicago, Ill., assignors to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Application May 3, 1951, Serial No. 224,334
20 Claims. (Cl. 219—44)

7. An electric deep fat fryer comprising a cooking vessel for fat formed of a metal of high heat

conductivity and having a vertical wall of cast thickness defining a deep cooking space within the top major portion of its depth and extending inwardly along a major portion of its bottom edge to form a well below said cooking space of less horizontal cross sectional area than the horizontal cross sectional area of said cooking space, a unitary electric heater embedded in the upper portion of the metal forming the well and extending with continuity around a major portion of



the perimeter of said well to leave the middle of the well heater free, the ends of said heater terminating short of encompassing the well to leave a substantial but minor portion of the vertical vessel wall free of said heater opposite the midpoint of said heater, and a thermostat for controlling the operation of said heater mounted on the outside of and in intimate heat exchange relationship with said minor portion of the vertical wall.

2,597,696

PREPARATION OF ETHYLENESULFONIC ACID

John A. Anthes, Springdale, and James R. Dudley, Darien, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 18, 1948, Serial No. 15,725

7 Claims. (Cl. 260—513)

1. A process which comprises heating isethionic acid at a temperature of from 200° to 250° C. and at a pressure below 3 mm. of Hg, and distilling off the ethylenesulfonic acid obtained as it is formed.

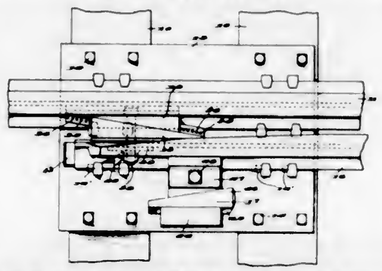
2,597,697

RAIL GUARD

James H. Asselin, Winnetka, Ill.

Application February 9, 1948, Serial No. 7,090

7 Claims. (Cl. 238—23)



7. In a rail guard assembly, a metal supporting plate disposed immediately beneath the running rail and the guard rail, said supporting plate having a width sufficient to span two spaced railroad ties, a pair of adjustable spacer blocks disposed between the guard rail and the running rail, the spacer blocks having facing surfaces lying in a plane at an angle to the rails to provide for relative adjustment of the blocks to vary the spacing between the running rail and the guard rail, the facing surfaces of said blocks each having a laterally extending tongue of substantially rectangular section at one end thereof and an elongated groove of substantially rectangular section at the other end, the tongue of each block being adapted to be engaged in the groove of the other block, means for bolting both blocks to only the guard rail in any one of their adjusted positions, and an adjustable rail brace mounted on said supporting plate and engaging the guard rail on the side farthest from the running rail, said adjustable rail brace comprising a brace member for engaging the guard rail, a stationary block member, and a wedge member disposed between said brace member and said block member, the contacting surfaces of said block member and said wedge member having complementary tongues and grooves, and the contacting surfaces of said wedge member and said brace member being semi-cylindrical in vertical transverse section.

2,597,698

NITRATION OF ALIPHATIC HYDROCARBONS

Gustave B. Bachman, West Lafayette, Ind., and James V. Hewett, Columbia, S. C., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application August 18, 1950, Serial No. 180,296

21 Claims. (Cl. 260—644)

1. In a process for the production of improved yields of nitro hydrocarbons by the vapor phase nitration of aliphatic hydrocarbons, the improvement which comprises contacting about 1 mole of nitric acid with about 7 to 35 moles of an aliphatic hydrocarbon and from .0018 to .026 mole of a halogen selected from a group consisting of chlorine, bromine and iodine, said mixture being maintained at a temperature between about 200 and 500° C. for a sufficient period of time to permit substantial nitration of the hydrocarbons.

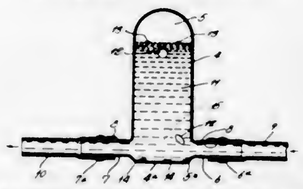
2,597,699

TRAP FOR INTRAVENOUS INJECTION APPARATUS

Clarence R. Bauer, Irvington, N. J.

Application July 7, 1949, Serial No. 103,351

3 Claims. (Cl. 128—214)



1. In an intravenous injection surgical apparatus, an air and sediment trap comprising a transparent cylindrical tube disposed vertically and defining a chamber closed at its upper and lower ends and having an inlet neck and an outlet neck communicating with the chamber within said cylindrical tube and adapted for connection in a supply line of the injection apparatus, said inlet and outlet necks being both disposed horizontally and connected to said cylindrical tube adjacent to and in slightly upwardly spaced relation to the lower end thereof with a substantial angle between said inlet and outlet necks, and the lower end of said cylindrical tube having a substantially flat under surface whereby said trap is adapted for stable mounting in an upright position on a body member of the patient by application of adhesive tape across the inlet and outlet necks.

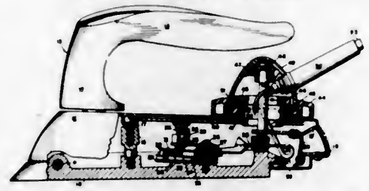
2,597,700

ELECTRIC IRON

Justice H. Beach, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 3, 1951, Serial No. 218,970

10 Claims. (Cl. 219—25)



1. In an electric iron, a sole plate, a heater therefor, electrical conductors for conducting electricity to said heater, a cover shell secured to said sole plate, means for pivotally supporting said conductors on said cover shell, a thermostatic switch for controlling the supply of electricity to said heater and manually actuatable means connected to said switch for adjusting the temperature setting thereof, said manually actuatable means including a control dial rotatably mounted above said cover shell on the same axis as said pivotal conductor support.

2,597,701

METHOD OF PRODUCING FINELY DIVIDED METALS

Hans Beller, Cranford, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 6, 1948, Serial No. 63,841

5 Claims. (Cl. 75—0.5)

1. In the production of fine metal powders by thermally decomposing a metal carbonyl, the step of controlling substantially all of the distribution of the average particle size within a range of about 2 microns and the maximum particle size to a small amount above the average, said maximum size being no more than about 3 to 4 microns larger than the average, which particles are produced by limiting the contact in the decomposition space of undecomposed metal carbonyl with the metal particles formed in the reaction to a definite length of time not exceeding 20 seconds specifically for the desired average and maximum particle size of the powder produced at a reaction temperature of 150–350° C. and a pressure from 20 mm. to 100 mm. absolute.

2,597,702

FLUOROALKYLPHOSPHORIC COMPOUNDS

Anthony F. Benning, Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 29, 1950, Serial No. 171,246

3 Claims. (Cl. 260—461)

1. A fluoroalkylphosphoric compound having the formula $(H(CF_2)_nCH_2O)_xPO(OM)_y$ wherein n is an integer from 1 to 5, inclusive, x is an integer from 1 to 3, inclusive, y equals $3-x$, and M is from the group consisting of hydrogen, alkali metal, ammonium, and substituted ammonium.

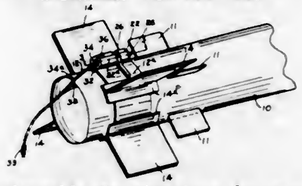
2,597,703

ROCKET FIN

John W. Bussacker, Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy

Application February 7, 1946, Serial No. 646,166

2 Claims. (Cl. 102—50)



2. A releasable fin structure for a projectile, comprising two foundation elements together forming a band surrounding said projectile, radial fins carried by said elements, adjustable means fastening said foundation elements together along one pair of adjacent edges, the other pair of adjacent edges being formed as mating apertured lugs, a pin passing through the apertures in said lugs to maintain said foundation elements engaged, and a delay action squib carried by the projectile and located adjacent said pin, whereby detonation of the squib will force said pin out of the lugs to an extent sufficient to release the fin structure.

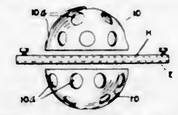
2,597,704

PROCESS OF MAKING HOLLOW BODIES FROM FUSIBLE PLASTIC MATERIALS

Clinton V. Carlson, Minneapolis, Minn., assignor to Cosom Industries, Inc., Minneapolis, Minn., a corporation of Minnesota

Application August 22, 1949, Serial No. 111,624

6 Claims. (Cl. 154—116)



1. The process of making a thin, hollow body from thermoplastic molding powder which consists in molding and curing a pair of thin shell members having complementary shaped registering generally annular edges, simultaneously heating the edges of said pair of shell members to a point to soften and partially fuse said edges, then immediately bringing said edges together with pressure against said shells at lines normal to the general planes of said edges to thereby cause said partially fused edges without application of any bonding material, to weld together and cure, forming a strong, integral structure.

2,597,705

ROADSIDE SIGNAL LIGHTING DEVICE

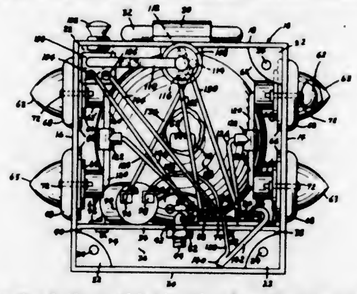
Edwin M. Clines, Omaha, Nebr., assignor of one-half to E. R. Barnhart, Omaha, Nebr.

Application March 2, 1950, Serial No. 147,181

2 Claims. (Cl. 177—329)

2. In a motor vehicle trouble light, the combination which comprises a rectangular-shaped box-like housing having parallel oppositely dis-

posed side walls and a front wall positioned perpendicular to the said side walls, said side walls having vertically spaced openings therein and said front wall having an enlarged opening therein, lamps positioned in said openings, a cable extended from said housing and having clips on the extended end for connecting the cable to a battery of a vehicle, means connecting



the end of the cable in the housing to the said lamps in the openings thereof, and means intermittently breaking the circuits to the lamps in the openings in the sides of the housing whereby with the said trouble light positioned on a highway beside a vehicle with the front of the housing facing the vehicle the lamps in the sides flash warning signals to vehicles approaching from the front and also from the rear.

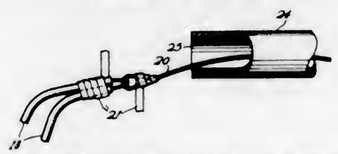
2,597,706

LUBRICATED ELECTRICAL CONDUIT

Richard Couchman, New Kensington, Pa., assignor, by mesne assignments, to the People of the United States of America

Application June 25, 1948, Serial No. 35,157

1 Claim. (Cl. 174—68)



An electrical conduit installation comprising an aluminum alloy tubing, at least one insulated conductor within said tubing, and a lubricating film on the interior surface of said tubing, said lubricating film being characterized by being hard and tenacious and including a fatty acid responding to the general formula $C_nH_{2n}O_2$, where n is greater than 10.

2,597,707

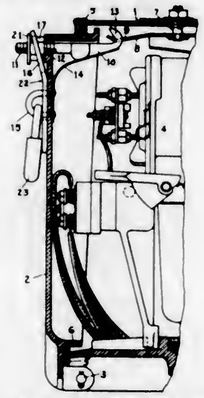
TIGHTENING AND FASTENING MEANS FOR CASING COVERS

Frank S. Craig, Chili, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application October 26, 1949, Serial No. 123,554

2 Claims. (Cl. 220—55)

2. A fastening organization for housing mechanisms comprising, a casing with a hinged door and a resilient gasket there-between, a latching member extending through an enlarged hole in the door and being spring biased to a particular position, said latching member having a hooked end within the housing for engaging a latch bracket when in its biased position, said latching member being threaded at its other end which extends outside of the housing door, a collared nut threaded onto said latch member on the outside of the door, a hasp wrench mounted over said collared nut, said hasp wrench having an elongated hole at its wrench end so shaped that the outside end of such hole conforms to the shape of the collared nut while the inside end of such hole is circular shaped and large enough to allow the hasp wrench to freely turn about said nut as an axis, a collar on the outside of said nut to maintain the hasp wrench assembled therewith, a staple mounted on said cover, a slot in the free end of such hasp wrench, whereby the



hasp wrench may be used to tighten said collared nut to press said cover against the housing and compress said resilient gasket, and whereby said hasp wrench may be freely moved about said nut until it can fit over said nut in the nearest position which will allow said hasp wrench to be brought into alignment with said staple and thereby allow such staple to pass through said slot and cause said collared nut to be locked in its tightened position, said hasp wrench having its free end bent at an angle with respect to its wrench end to permit its clearance of said staple during the tightening of said collared nut.

2,597,708

ANTISTATIC AGENT, TREATMENT OF SHAPED ARTICLES THEREWITH, AND TREATED ARTICLES

Arthur Cresswell, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 30, 1948, Serial No. 68,372

14 Claims. (Cl. 252—8.75)

1. A textile-treating agent comprising an aqueous dispersion of (1) a guanidine salt of a monoalkyl ester of sulfuric acid, the alkyl grouping of which contains from 12 to 18 carbon atoms, inclusive, and (2) a textile lubricant consisting of a lower alkyl ester of a long-chain fatty acid that contains from 12 to 18 carbon atoms, inclusive, said ester containing from 2 to 5 carbon atoms, inclusive, in the alkyl grouping thereof.

2,597,709

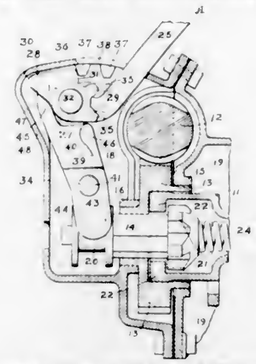
LEVER MECHANISM FOR CLUTCHES

George E. Dath, Mokena, and Harry W. Mulcahy, Chicago, Ill., assignors to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application September 9, 1950, Serial No. 183,978

3 Claims. (Cl. 74—98)

1. In a lever mechanism, the combination with a lever pivoted between its ends; of a fixed supporting bearing member; a second lever having a head at one end and a finger on said head engageable with one end of said first named lever, said second named lever being swingingly supported at said head end by fulcrum means



formed integral therewith, said fulcrum means having bodily traveling movement on said fixed bearing member; and means on said head engageable with fixed means for effecting reciprocating movement of said head through oscillatory movement of said second named lever.

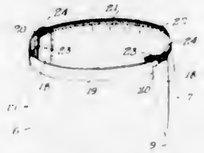
2,597,710

MATERNITY UNDERGARMENT

George Delman, Los Angeles, Calif.

Application August 15, 1949, Serial No. 110,384

1 Claim. (Cl. 2—221)



A maternity undergarment comprising front and back sections connected by side seams, the sections terminating at their upper ends at the waistline of the wearer, said seams terminating substantially below said upper ends of the sections to provide side slits that separate said upper ends, the front section being gatherless and the back section being provided with gathers along the upper end thereof, an unstretchable waistband portion generally coextensive with and secured to the upper portion of the front section, a stretchable waistband portion coextensive with and secured to the gathered upper portion of the back section, said stretchable waistband portion having lateral extensions adapted to span across said side slits, and connectors on the opposite ends of the unstretchable waistband portion adapted for separable and adjustable connection with the respective lateral extensions of the stretchable waistband portion.

2,597,711

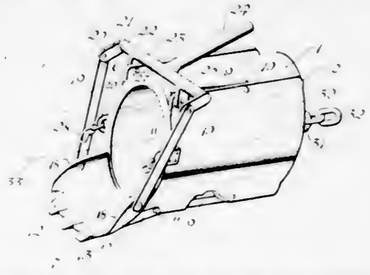
BUCKET ATTACHMENT FOR MINE SHAFT EXCAVATIONS

Edward J. Donald, Old Kildonan, Manitoba, Canada

Application September 10, 1948, Serial No. 48,646

1 Claim. (Cl. 37—135)

In a mine bucket wherein the axis from entrance plane to rear wall is horizontal when the bucket is in operable position, for horizontal or drag action loading, a bucket-body and a scoop projecting therefrom, a pair of tie-bars extending between said bucket-body and said scoop to constitute adjustable attachment of said scoop to said bucket-body, said tie-bars being pivotally connected to said bucket-body, said scoop conforming substantially to the forward perimetrical portion of the bucket mouth, means for dragging said bucket in the desired direction and means coacting between said scoop and said bucket-body for raising and lowering said scoop with respect to said bucket-body, said means for raising or lowering said scoop comprising a horizontal bar lying normal to the said bucket-body axis and mounted for rotation upon said bucket-body at a locus thereabove, said mounting including a pair of engaging arms depending from said horizontal bar and pivotally connected to



said bucket-body, a bar actuating component secured for rotation medially along the length of said horizontal bar and overlying the bucket-body, a pair of projecting lugs secured to said bar for rotation therewith, and a pair of downwardly extending links secured at their upper ends to said lugs and at their lower ends to said scoop, and means for selective attachment and detachment of said scoop and said raising and lowering means from said bucket including pins extending from one of said engaging arms engageable with said bucket-body and from one of said tie-bars engageable with said bucket body, and a pair of spring-loaded pins resiliently connected to said bucket-body and normally engaging the opposite engaging arm and the opposite tie-bar under the influence of said spring-loading.

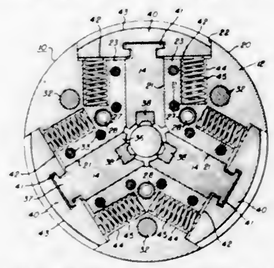
2,597,712

CHUCKING MECHANISM

Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, a corporation of Ohio

Application October 11, 1950, Serial No. 189,559

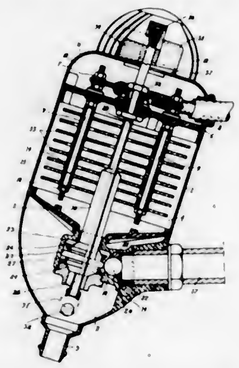
9 Claims. (Cl. 279—110)



1. A workpiece chuck and rotating device comprising, a rotatable spindle, first and second

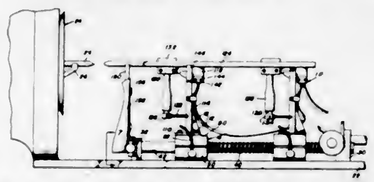
cover members fastened together and providing a circumferential surface therearound, first screws fastening said members together, second screws extending through said members and fastening the same to said rotatable spindle, said first member having radially extendible slideways next adjacent said second member, said members having an opening in the center thereof merging with said slideways, said first member having recesses in the circumferential surface merging with said slideways and defining a wall portion on each side of each slideway and perpendicular to the slideways, a radially movable slide in each slideway, each slide having an inner end and an outer end, a spring plate on the outer end of each slide and extending transversely therefrom, said spring plate and said slide having a cooperating tongue and groove connection connecting the slide and the spring plate together, said spring plate having a first surface opposing and facing the transverse walls on each side of the slideway of the first member, each of said transverse walls having a bore in each side of said slideway and extending parallel to the slideway, an expansion spring in each bore abutting the first surfaces of said plate and urging said spring plate and the slide fastened thereto radially outwardly from the work receiving opening in the center of the cover members, said second cover member having stop flanges on the circumferential edge thereof, one extending into each of said recesses and abuttable by the respective said spring plate to limit the radially outward movement of the spring plate and the slides relative to the cover members, each of said slides having a cam portion extending through said first cover member, and an operating cam sleeve axially reciprocable in said rotatable spindle and in said first cover member and cammingly engaging said cam portions of said slides.

2,597,713
ELECTRIC WATER-HEATING TAP
Jean Louis Duprat, Sartrouville, France
Application January 19, 1950, Serial No. 139,497
In France February 25, 1949
2 Claims. (Cl. 219—40)



1. An electric water heating tap for furnishing at will hot or cold water and comprising a hollow body enclosing in its upper part an electrode chamber and including an apertured watertight partition below the electrode chamber and enclosing in its lower part below the partition a collector chamber, and having an outlet from the collector chamber, and also having an inlet, a valve body in the collector chamber and communicating therewith and mounted in the partition aperture and thereby communicating with the electrode chamber and including a seat and thereby communicating with the body inlet, a ball urged to the seat, a cam engaging the ball and on rotation moving it from the seat, a pair of valve members mounted on the cam and on opposite sides thereof and movable to either of two positions closing the communication of the valve body with the collector chamber or electrode chamber, spring means urging the valve members to an intermediate position establishing communication with both chambers, an insulating plate closing the upper end of the body and electrode chamber, a hood above the insulating plate, rods mounted on the insulating plate and in the electrode chamber, electrical connections within the hood and connected to the electrode rods, electrodes mounted on the rods, a stem secured to the cam and valve member and extending through the valve body, the partition aperture, insulating plate and the hood, a helical boss above the hood and surrounding the stem, and a finger slidable on and urged to the boss and rigid with the stem.

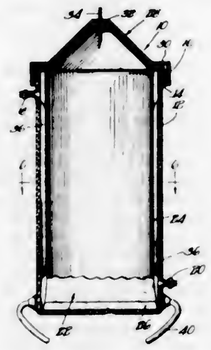
2,597,714
CARBON FILAMENT HOLDER
Walter Fred Elsholz, Nampa, Idaho
Application January 25, 1951, Serial No. 207,714
10 Claims. (Cl. 314—1)



1. In a carbon arc lamp including a negative carbon; a positive carbon assembly comprising a base, a first carbon holder mounted on said base for movement towards and away from the negative carbon, a second carbon holder mounted on said base between said first carbon holder and the negative carbon for movement parallel to the path of movement of said first carbon holder and so constructed and arranged to support a carbon in parallel spaced relation to the carbon carried by said first holder, common means for simultaneously advancing both of said holders towards said negative carbon, means responsive to a predetermined position of said second holder for operatively disconnecting said first holder from said advancing means, means for selectively shifting said carbon holders laterally of the path of movement thereof to simultaneously move the carbon carried by one of said holders out of registry with said negative carbon and move the carbon carried by the other of said holders into operative registry with the negative carbon.

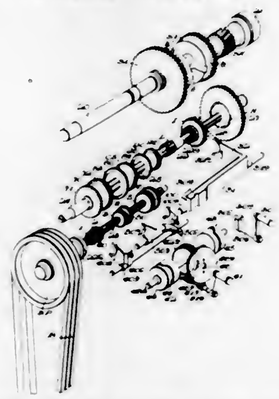
2,597,715
FLUID RECEPTACLE
Eben W. Erikson, Highland Park, Ill., assignor to American Hospital Supply Corporation, Evanston, Ill., a corporation of Illinois
Application February 7, 1950, Serial No. 142,837
13 Claims. (Cl. 128—272)

1. A fluid receptacle including an open ended outer container, a second internally aspectic and hermetically sealed inner container forming a removable liner for the outer container and adapted for storing fluid and including a rubber like self-sealing section adapted to be punctured by a sharp instrument such as a needle, for charging the inner container with fluid and dis-



charging fluid therefrom and means disposed peripherally on the inner container and secured thereto and disposed between said inner and outer containers for supporting said inner container in operative position within said outer container with the rubber-like section disposed in an exposed readily accessible position.

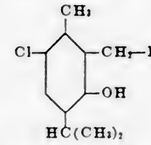
2,597,716
MACHINE TOOL SPINDLE AND VARIABLE-SPEED DRIVE THEREFOR
Theodore F. Eserkaln, Wauwatosa, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application March 30, 1948, Serial No. 17,837
4 Claims. (Cl. 90—18)



1. In combination, a rotary cutter spindle having an operating nose at one end thereof; a driven shaft opposite and parallel with that portion of said spindle immediately adjacent the operating nose thereof; sets of pairs of range gears defining high, intermediate and low speed ranges, respectively; said high speed set comprising a gear directly mounted on said spindle at the inner end of the spindle nose in immediate proximity thereto, and a gear mounted on said driven shaft; said intermediate speed set comprising a gear mounted directly on said spindle in immediate juxtaposition with the inner side of said spindle mounted high speed gear, and a gear mounted on said driven shaft; said low speed set comprising a gear mounted on said spindle of a large diameter relative to the diameters of said intermediate and high speed spindle mounted gears and being positioned in immediate juxtaposition with the inner side of the spindle mounted intermediate gear, and a pinion gear mounted on said driven shaft having a small diameter relative to said spindle mounted low speed gear; and said spindle mounted intermediate and low speed gears being each formed with an axially extended relatively wide, solid material hub portion adapted to provide a large weight mass in immediate proximity to the nose end of said spindle.

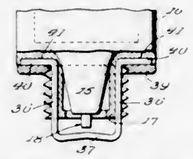
2,597,717
METHYLENEBISPHENOLS DERIVED FROM 6-CHLOROTHYMOL
Herman Eldridge Faith, Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware
No Drawing. Application October 11, 1949, Serial No. 120,829
5 Claims. (Cl. 260—619)

1. Compounds having the following general formula:



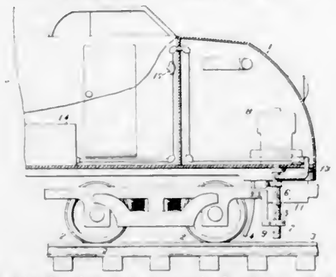
where R is a member of the group consisting of phenol and substituted phenol radicals.

2,597,718
SPARK PLUG
Lloyd M. Field, New London, Ohio; Floyde Josephine Field Karcher, Pueblo, Colo., executrix of said Lloyd M. Field, deceased, assignor to Floyde Josephine Field Karcher
Application October 17, 1949, Serial No. 121,763
2 Claims. (Cl. 123—169)



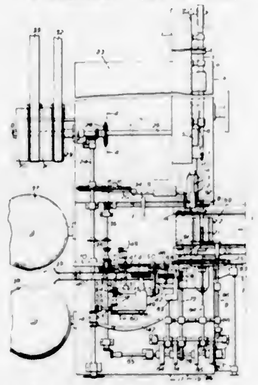
2. In a replaceable negative electrode for spark plugs wherein the lower end of the enclosing body of said plug has an annular shoulder at the upper end of a threaded stem and a pair of diametrically opposite radial grooves in said shoulder communicating at their inner ends with a pair of diametrically opposite longitudinally extending grooves in the outer side of said threaded stem, and with the grooves terminating at their outer ends adjacent the outer edge of the shoulder, the improvement consisting of a generally U-shaped electrode element provided with an outwardly directed arm on the end of each side leg adapted to seat in an adjacent shoulder groove and occupy the full length thereof whereby contact of said legs and arms with a gasket interposed between the plug shoulder and cylinder wall of an engine will increase heat transfer from the negative electrode to the cooling system of the engine.

2,597,719
RAIL CLEANING DEVICE
Harry G. Foster, Mullens, W. Va.
Application April 24, 1950, Serial No. 157,797
7 Claims. (Cl. 299—31)



1. A track cleaner mounted on a vehicle running on track rails comprising means for directing a stream of air under high pressure onto a track rail, and flexible tubular means continuously directing air under low pressure to the rail adjacent the stream of high pressure air.

2,597,720
MACHINE FOR INSERTING FILTER PLUGS IN CIGARETTE TUBES
Hedwig Gamble, Ponders End, England
Continuation of application Serial No. 544,020, July 8, 1944. This application July 27, 1950, Serial No. 176,240
4 Claims. (Cl. 93—1)

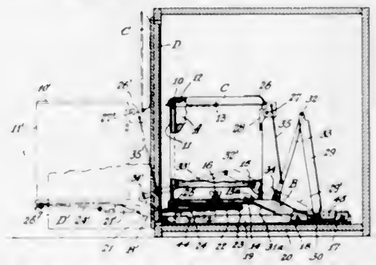


1. Mechanism for forming filter tip cigarettes, comprising two co-axially arranged, axially spaced rotatable bodies, one of said bodies being of cylindrical form and having a plurality of axially extending flutes, the other body having a plurality of chambers arranged to be successively co-axially aligned with one of said flutes, means for imparting step by step rotation to the bodies whereby one of said chambers and one of said flutes may be momentarily stopped in co-axial relation, a paper tube forming means disposed upon the opposite side of the said one body from the other body and positioned to be aligned with the said one flute, filter plug forming means, means for introducing the filter plugs as formed into said chambers, a spoon disposed between the said rotatable bodies in line with the said one flute and a chamber, means for transferring a plug to the spoon from the chamber aligned therewith, means for moving the spoon and plug carried thereby into the said one flute and into the paper tube supported therein and subsequently retracting the spoon, and means for stripping the paper tube and the plug from the spoon upon retraction of the spoon.

2,597,721
WERNER-TYPE METAL COMPOUNDS AS LAMINATING AND COATING COMPOSITIONS
Max T. Goebel, Landenburg, Pa., and Ralph K. Iler, Cleveland Heights, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 25, 1950, Serial No. 175,876
9 Claims. (Cl. 154—43)

7. A laminated article with laminae of a material containing on its surface above about 5% of an element having an atomic weight of from 14 to 16, inclusive, the laminae being bonded with an ethylenic polymer and a water-soluble complex compound of the Werner type consisting of a monocarboxylic functional acido group made up of a carboxyl radical joined to an alpha, beta-unsaturated carbon chain containing from two to six carbon atoms, the acido group being coordinated, through the carboxyl radical, with a nuclear zirconium atom, the complex also containing additional coordinated nuclear zirconium atoms, the valence and coordination positions of all the nuclear zirconium atoms, other than those positions occupied by coordinated functional acido groups, being occupied by groups selected from the class consisting of aquo groups, hydroxyl, and monovalent negative groups which are anions of monobasic acids, and the total number of nuclear zirconium atoms within the complex being from one to ten times the number of coordinated functional acido groups.

2,597,722
SLIDABLE CONTAINER WITH AUTOMATIC COVER
Benjamin D. Goldberg, Brooklyn, N. Y.
Application February 4, 1950, Serial No. 142,482
13 Claims. (Cl. 312—274)

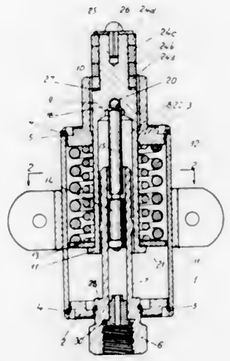


10. In an apparatus for opening and closing a container cover in response to movement of the container out of and into a recess, said apparatus including a platform, rollers on which the platform is mounted, a track along which said platform is moved on said rollers, a container to be mounted on said platform, a cover for said container hinged adjacent a rear edge of said container, a rod pivoted to said cover adjacent the cover hinge, a lever pivoted to said platform adjacent the lower rear edge of said container, said rod being pivotally connected to said lever adjacent its pivot to said platform, and means for actuating said rod and lever in response to movement of said platform out of a recess, the combination therewith of the improvement for closing said cover under pressure of the cover on the container, said improvement including said rod being provided intermediate its ends with a bend therein and being of a size to enable the cover to be closed in advance of the platform reaching its retracted position, said bend being flexed and said rod changed in length for forcefully holding the cover closed as said platform moves to its retracted position.

2,597,723
EQUILIN-3-MONOSULFATE AND ALKALINE SALTS THEREOF
Gordon A. Grant, Montreal, Quebec, and William L. Glen, Bale d'Urfe, Quebec, Canada, assignors to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada, a corporation of Canada
No Drawing. Application July 16, 1948, Serial No. 39,198
8 Claims. (Cl. 260—239.5)

1. A new compound selected from the group consisting of equilin-3-monosulphate and the alkaline salts thereof.

2,597,724
FLUID PRESSURE INDICATOR
Jean Louis Gratzmuller, Paris, France
Application July 9, 1951, Serial No. 235,759
In France July 4, 1950
14 Claims. (Cl. 73—419)



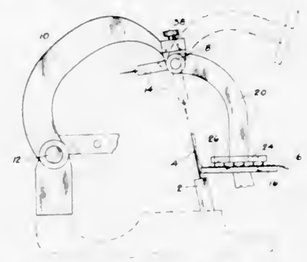
1. A fluid pressure indicator constituted by a casing, at least one end face of which is removable, a ram cylinder to be held stationary with respect to one end face of said casing, innerly coaxial with the same, and adapted to be fed with a pressure fluid, a centrally apertured reference index member integral with the other end face of said casing and coaxial therewith, a bored movable index member coaxial with said ram cylinder and slidably mounted thereon and in the aperture of said reference index member, means to transmit the displacements of the piston of said ram under the action of said fluid pressure to said movable index member, removable abutment means interposed between said removable end face and the corresponding end of said casing and elastic means interposed between said reference and movable index members to act upon the latter against the action of said pressure and to press said removable end face against said removable abutment means.

2,597,725
BALANCED DEMODULATOR
Everett B. Hales, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 18, 1945, Serial No. 617,147
10 Claims. (Cl. 250—27)



1. A balanced demodulator circuit for producing an output error voltage whose amplitude and polarity is dependent on the relative amplitudes of two sets of input pulses, comprising a pair of transformers, each of said transformers having a diode and a condenser in series circuit connection with its secondary, said diodes being oppositely poled with respect to said transformers, having the junctions of said condensers and said secondaries grounded, and having a resistance between the junctions of condenser and cathode of one diode and condenser and plate of the other diode, the mid-point of said resistance being tapped to provide an output error voltage corresponding to the difference between the amplitudes of pulses fed to the respective primary windings of said transformers.

2,597,726
MEANS FOR MARKING KNITTED FABRICS
Frederick L. Hall, Snow Shoe, Pa., assignor to Hall Brothers, Snow Shoe, Pa., a partnership
Application August 3, 1949, Serial No. 108,363
20 Claims. (Cl. 66—147)

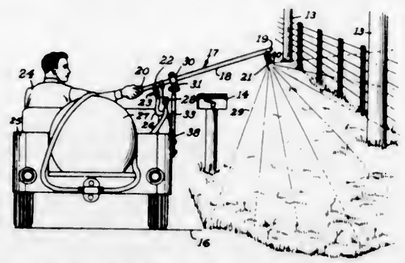


1. In combination with a flat knitting machine having a plurality of needles and a narrowing bar mounted for movement towards and from the needles, at least one penetrating member carried by said bar in a position to engage and penetrate a thermosensitive fabric after it has been formed by said needles, and means to heat said member, whereby when said member engages said thermosensitive fabric it spreads the mesh thereof and sets such spread mesh in open condition.

2,597,727
FARM AND ROADSIDE SPRAYER
Howard C. Hanson, Rockton, Ill.
Application April 22, 1950, Serial No. 157,515
5 Claims. (Cl. 299—39)

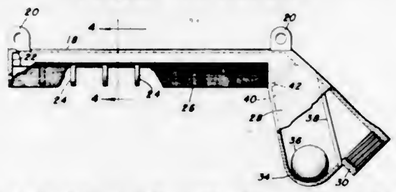
2. In a spraying device of the character described adapted for hand carry or vehicle mounting, the combination comprising a support

adapted to be secured upon a vehicle, a boom having a longitudinal bore therein, a universal joint directly and detachably connecting said boom with said support, said joint comprising two separable members one of which is fixed to said boom and the other being fixed to said support, means for clamping the members of said joint frictionally in any selected position of adjustment in both horizontal and vertical planes



on said support thereby to enable said boom to be manually adjusted and to remain in any desired spray position on said support, nozzle means of the wide angle sheet spray type attached to the outer end of said boom and which communicate with the bore in said boom, and a fluid inlet connection also communicating with the bore in said boom adapted for attachment to a flexible conduit leading from a source of the spray fluid.

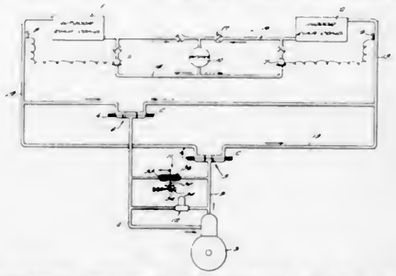
2,597,728
SUCTION SCREEN AND FOOT VALVE
Lester L. Hink, Grand Rapids, Minn.
Application July 5, 1950, Serial No. 172,169
1 Claim. (Cl. 210—97)



In a device of the class described, an elongated, substantially semi-cylindrical casing closed at one end, means for suspending the casing horizontally in a body of water, said casing having a plurality of screened inlet openings in its lower portion, an outwardly and downwardly inclined outlet on the other end of the casing for connection to a conduit, a valve seat in the upper portion of the outlet, an integral valve chamber extending laterally and downwardly from the lower side of the outlet and communicating therewith, a buoyant ball valve operable in the chamber and engageable with the seat for preventing back flow of water into the casing, and a plurality of spaced, parallel rods in the outlet for confining the valve to the chamber and for directing said valve toward the seat.

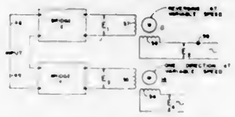
2,597,729
HEAT PUMP SYSTEM
Arthur C. Homeyer, Essex Fells, N. J.
Application July 18, 1951, Serial No. 237,393
10 Claims. (Cl. 62—6)

1. A heat pump of the type including compressor means, a pair of heat exchanger means, and change-over valve means connected by piping means in a reversible refrigerant cycle system, in combination with electromagnetic means associated with said change-over valves for shifting the same from the heating cycle position into the cooling cycle position and vice versa in response to an energization of the electromagnetic means, pressure sensitive means connected with the piping means and responsive



to internal pressure differentials in the system, and switch means controlled by said pressure sensitive means and connected in circuit with said electromagnetic means for controlling the energization thereof, the said pressure sensitive means being arranged to set the switch means for energization of the electromagnetic means only when the said pressure differentials within the piping means are below a predetermined value.

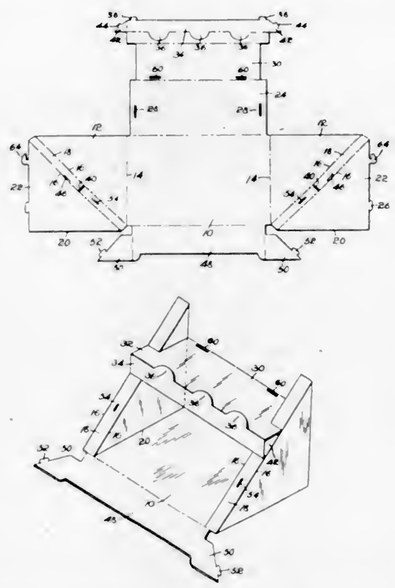
2,597,730
DUAL BRIDGE MOTOR CONTROL CIRCUIT
Anthony J. Hornfeck, Lyndhurst, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application March 31, 1945, Serial No. 585,891. Divided and this application February 24, 1950, Serial No. 145,991
15 Claims. (Cl. 318—51)



2. An electrical circuit, comprising, in combination, an electron discharge device having a cathode and an anode, terminals for connection to an asymmetrical current source, asymmetrical current control winding means, circuit means for connecting in series said cathode, said anode, said terminals and said control winding means, means to vary the value of the asymmetrical current in said series circuit, first and second alternating current bridges, said bridges each including opposite reactance arms, saturable core reactor means for said reactance arms and including said control winding means, and electric motor means connected to the output of said bridges, the bridges being controlled by said asymmetric current to control said electric motor means.

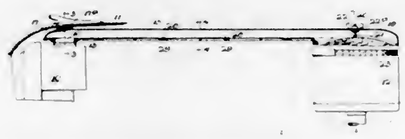
2,597,731
DISPLAY STAND
Edward W. Hoy, Cleveland, Ohio, assignor to Forbes Lithograph Manufacturing Company, Chelsea, Mass., a corporation of Massachusetts
Application November 13, 1946, Serial No. 709,445
8 Claims. (Cl. 211—135)

1. A display structure of the class described comprising a base sheet, extensions from ends of said sheet folded about their line of connection and about two substantially spaced intermediate diagonal fold lines and providing hollow end walls based on the end portions of said base sheet and having slanting front of substantial width provided by the panel areas between the fold



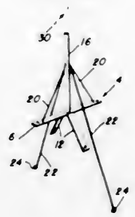
lines, and a panel having its rear edge supported substantially in the plane of the rear boundaries of said end walls and itself extending substantially parallel to said base sheet in elevated position above the same and having lateral extensions at its other edge overlying and supported by said fronts.

2,597,732
DEVICE TO CONDUCT AQUEOUS VAPOR FROM RADIATOR TO CARBURETOR IN WATER-COOLED AUTOMOTIVE EQUIPMENT
Ralph W. Hunter, Jacksonville, Fla.
Application June 13, 1950, Serial No. 167,758
4 Claims. (Cl. 123—25)



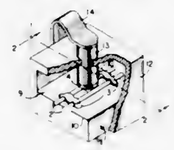
1. A combined radiator closure and filter cover for motor vehicles comprising a unitary structure including a radiator closure end, a filter cover end and an elongated hollow body connecting said ends together, said body having a uniformly increasing cross section to the filter cover end, to thereby convert water vapor and droplets into humidified air before reaching the carburetor.

2,597,733
ANTENNA MOUNT
Foster C. Jackson, Middleboro, Mass.
Application March 7, 1951, Serial No. 214,388
1 Claim. (Cl. 248—43)



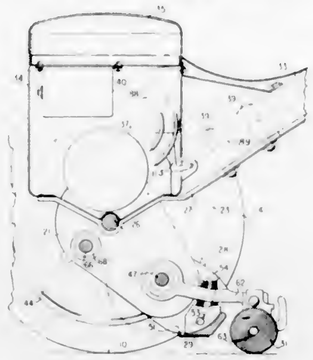
An antenna mount for use on residential homes and elsewhere comprising a one-piece unit including a horizontally elongated base member adapted to rest atop the ridge portion of a roof construction, a socket member attached to and rising vertically from the central portion of said base member, a pair of strap-like arms integrated with intermediate longitudinal edge portions of said base member and located on opposite sides of said socket member, said arms being disposed in downwardly divergent relationship, a pair of relatively short diagonal braces secured at their upper ends to the upper intermediate portion of said socket member and secured at their lower ends to the end portions of said base member and a pair of relatively long guy-rods secured at their upper ends to the intermediate portion of said socket member and having their lower end portions diverging and depending to points well below the lower ends of said arms, said guy-rods being in alignment with said arms and at right angles to the respective diagonal braces.

2,597,734
ELECTRICAL CRYSTAL CONTACT DEVICE
Emrys Gwynne James and Aubrey Oscar Edgar Lindell, Wembley, England, assignors to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application May 10, 1950, Serial No. 161,125
In Great Britain November 15, 1948
5 Claims. (Cl. 175—366)



4. An electrical crystal contact device comprising a body of insulating material; at least a pair of wires supported in substantially parallel relation and with a predetermined substantially uniform spacing therebetween by said body at at least two spaced points along the length of each of said wires; a resilient member; a terminal; and a crystalline element in engagement with said terminal and maintained by said member in yielding engagement with a small portion of the outer peripheral surface of each of said wires at a position along the length of and intermediate the ends of each of said wires.

2,597,735
LAWN MOWER
Ivar Jepson, Oak Park, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application September 13, 1946, Serial No. 696,679
16 Claims. (Cl. 56—26)



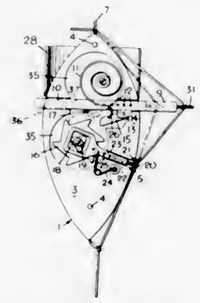
1. A mower having frame means including a rotatable reel and a cooperating ledger bar, ground wheels supporting said frame means, self-contained driving means associated with said frame means including a motor, and means for transmitting power from said motor to said ground wheels and to said reel, an operating handle pivotally supported on said frame means and carrying a substantial part of the weight of said driving means supported above the point of engagement of said ground wheels with the ground, said motor being mounted on said frame means to the forward side of said point of engagement of said ground wheels with the ground thereby to balance the static forces on said frame means.

2,597,736
HACKAMORE
Hubert O. Jones, Nogales, Ariz.
Application July 11, 1950, Serial No. 173,190
1 Claim. (Cl. 54—6)



A hackamore for controlling horses comprising a head strap attached to a pair of cheek plates each of L-shaped form with the longer arm extending forward on the side of the horse's nose and with the shorter arm extending downwardly lengthwise of its nose adjacent the mouth of the horse, a curved nose piece extending across the front of the nose of the horse and pivotally connected at its ends to the long arms of the L-shaped cheek plates, the shorter arms of the L-shaped cheek plates being slotted to a depth substantially equal to an extension of the lower surface of the elongated arms of the cheek plates, a V-shaped angle bell crank lever pivoted within the short arm of the L-shaped lever within the slotted portion thereof, said pivot being an extension and in line with the head strap, the shorter arms of the V-shaped lever having openings therein to receive the ends of a chin strap, the longer ends of the V-shaped lever having openings in their outer ends to receive the ends of the reins, the upper wall of the slot in which the V-shaped lever is pivoted acting as an upward stop for the shorter arms having the chin strap mounted thereon when the outer end of the V-shaped lever is pulled on by the reins.

2,597,737
VARIABLE-DEPTH REMOTE-CONTROLLED FISHING FLOAT
Billy C. Kay and Ira B. Hagar, Hermitage, Tenn.
Application April 3, 1950, Serial No. 153,678
5 Claims. (Cl. 43—44.88)



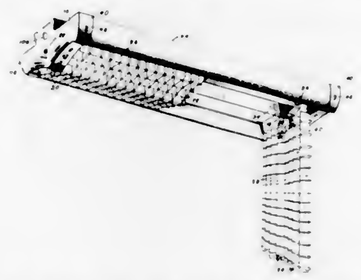
1. A fishing float, comprising: a buoyant body portion, guide means associated with said body portion for guiding a fishing line as it passes through the zone of the float in extending or moving from a control station to a bait zone, gripping means associated with said body portion and adapted to engage said line for selectively retarding the passage of said line past said float zone, operating means responsive to a single relatively quick pull upon said line from said control station for operating said retarding means to vary its retarding action, and mechanical advantage means interposed between said operating means and said gripping means whereby a slight force exerted by a pull on said line is amplified to many times its value in the resultant force exerted by said gripping means on said line.

2,597,738
TELESCOPING FISHING ROD
John W. Koos, Detroit, Mich.; Victor W. Koos administrator of said John W. Koos, deceased
Application August 29, 1949, Serial No. 112,859
4 Claims. (Cl. 43—18)



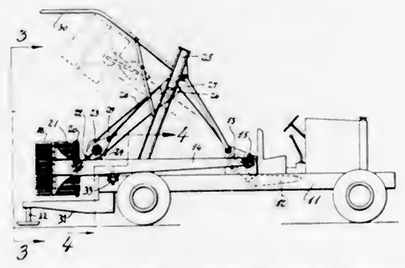
1. A fishing rod having a hollow handle portion, a series of rod sections telescoping into said handle portion, each rod section carrying a line guide adjacent its forward extremity, and a clamp carried by said handle portion in position to engage said line guides when said rod sections are fully collapsed into said handle portion.

2,597,739
ELECTRIC LIGHTING FIXTURE FOR ELONGATED TUBULAR LAMPS
Kenneth B. Lacy, Highland Park, and William E. Janness, Wheeling, Ill., assignors to Lighting Products, Inc., Highland Park, Ill., a corporation of Illinois
Application June 7, 1948, Serial No. 31,426
9 Claims. (Cl. 240—51.11)



7. An electric lighting fixture for straight tubular lamps, comprising a housing having a central supporting channel with transverse ends secured to the end of the channel, each end piece having a knock-out opening with a removable cover plate therefor, a lighting element mounted in the housing, a louver comprising sections each pivotally mounted in one end piece to swing outwardly therefrom, means connecting the sections at the center of the housing when they are swung inwardly, and a supporting plate for each end of the channel comprising resilient locking plates and slots in the supporting plate in which they are movable from one limiting position to another and being rotatable only in the limiting position, the channel member having transverse slots adjacent each end for engaging both of the locking plates when the fixture is hung as a separate unit and adapted to engage one of the locking plates when the supporting plate is moved to overlap the end of the fixture for and connecting adjacent lighting units closely in alignment when the said cover plates for the knock-out openings are removed.

2,597,740
TREE PULLING ARRANGEMENT
Joel Irvine Lyle, III, Orlando, Fla.
Application January 22, 1948, Serial No. 3,670
19 Claims. (Cl. 254—128)

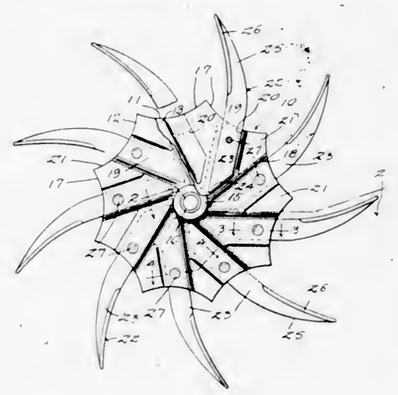


1. In a device for uprooting and transporting trees, for attachment to a supporting vehicle, the combination of: two laterally spaced longitudinally extending arms; a fixed mounting for one end of each arm on the vehicle, for pivotal movement with respect to the vehicle about a substantially horizontal axis, and about an axis substantially perpendicular to the arm and to the horizontal axis, the horizontal axes of the said two mountings being substantially coaxial; two grasping jaws, each carried by that end of one arm remote from its mounting on the vehicle, said jaws being hingedly connected to each other to permit grasping and ungrasping horizontal movement of the two jaws to and away from each other and to prevent relative vertical translation thereof; and common means for first drawing together and then raising the jaw-holding ends of the two arms.

2,597,741
ELECTRICAL-CONDUCTIVE RUBBERY COMPOSITION AND METHOD OF MAKING SAME
Joseph Hugh Macey, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1950, Serial No. 198,246
13 Claims. (Cl. 260—41.5)

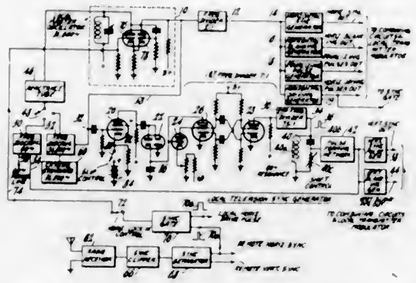
5. An electrical-conductive rubbery composition comprising a vulcanized rubbery conjugated diene polymer, from 10 to 125 parts by weight of polyethylene for every 100 parts by weight of said rubbery conjugated diene polymer, and from 40 to 150 parts by weight of an electrical-conductive carbon black for every 100 parts by weight of said rubbery conjugated diene polymer.

2,597,742
ROTARY HOE WHEEL
Thomas R. Mahoney, Greenville, Ohio
Application July 19, 1948, Serial No. 39,500
7 Claims. (Cl. 97—212)



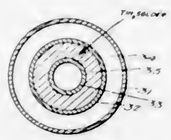
6. A rotary hoe comprising opposed cast metal plates having oppositely extending hub portions, a tubular bearing in said hub portions, said plates having outwardly offset portions with interior recesses forming tooth receiving pockets extending tangentially of the hub portions, outwardly extending ribs formed along the leading edges of said offset portions and connected at one end to said hub, teeth having flat shanks fitting said pockets, said pockets having tapered inner ends and the inner ends of the shanks being tapered to fit the inner ends of the pockets, and means extending through the plates and teeth to secure the same together.

2,597,743
SYNCHRONIZING SYSTEM
Frederick W. Millspaugh, Haddonfield, and Henry N. Kozanowski, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 30, 1949, Serial No. 135,998
10 Claims. (Cl. 178—69.5)



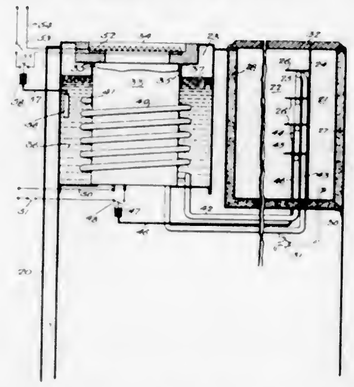
1. In a television synchronizing system, a first and a second composite wave generator, each generator including a base oscillator from which is synchronously derived a high and low frequency component for each composite wave, said second composite wave low frequency component being related to its respective base oscillator by a frequency divider mechanism, having a predetermined value of divisor, means for deriving a timing signal from said second composite wave high frequency component, means for synchronizing said first base oscillator with said timing signal, means for intermittently and momentarily altering the divisor of said frequency divider mechanism, and means for manually actuating said divisor altering means such to effect momentary timing slippage of said second wave low frequency component relative to its base oscillator during the period of said synchronous control of its respective base oscillator whereby low frequency components of said first and second composite waves may be superimposed in time.

2,597,744
TUBE-IN-TUBE HEAT TRANSFER UNIT
Samuel O. Morrison, Media, Pa.; Ella P. Morrison, executrix of said Samuel O. Morrison, deceased, assignor to Sunroc Refrigeration Company, Dover, Del., a corporation of Delaware
Application July 20, 1948, Serial No. 39,739
1 Claim. (Cl. 257—246)



A water cooler cooling unit having an inner metallic tube, an intermediate metallic tube and an outer metallic tube one surrounding the other, solid heat transfer metal in the space between the inner metallic tube and the intermediate metallic tube, the tubes one within another all being coiled together, and connections for a water dispensing system and for a refrigerating unit, one to the space inside the inner tube and the other to the space between the intermediate tube and the outer tube.

2,597,745
REFRIGERATOR AND STOVE
Samuel O. Morrison, Media, Pa.; Ella P. Morrison, executrix of said Samuel O. Morrison, deceased, assignor to Sunroc Refrigeration Company, Dover, Del., a corporation of Delaware
Application September 29, 1948, Serial No. 51,747
9 Claims. (Cl. 62—116)



1. In a refrigerator and stove, a refrigerator compartment, a stove, a liquid bath in heat transfer relation with the stove and a mechanical refrigeration system having a compressor in heat transfer relation to the liquid bath and having an evaporator in heat transfer relation with the refrigerator compartment.

2,597,746
MAGAZINE FASTENING DEVICE FOR SHOTGUNS
Lester F. Mulno, Worcester, Mass., assignor to Harrington & Richardson Arms Co., Worcester, Mass., a corporation of Massachusetts
Application December 27, 1949, Serial No. 135,078
5 Claims. (Cl. 42—49)

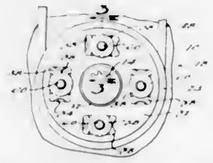


1. Magazine fastening device for shotguns and the like comprising a barrel, a receiver, a magazine underlying the barrel and having a detachable connection with the receiver, a stud on the barrel spaced from the receiver, a magazine spring for pressing cartridges toward the receiver, a plunger pressed by the magazine spring in the opposite direction toward the stud, said plunger engaging the stud and holding the magazine thereto, the plunger being retractable against the spring therefrom to release the magazine.

2,597,747
VIBRATION DAMPER
Thomas H. Peirce, Detroit, Mich., assignor to H. A. King, doing business as H. A. King Company, Detroit, Mich.
Application February 25, 1948, Serial No. 10,772
10 Claims. (Cl. 74—574)

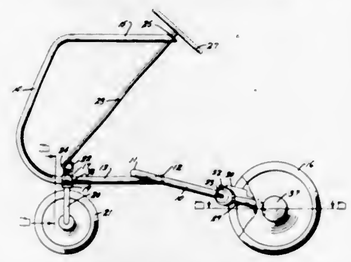
1. A tuned type torsional vibration damper comprising a hub having a radial flange, an annular radially extending movable inertia member mounted on the hub adjacent said flange, said

member having a plurality of rectangular openings extending axially therethrough, said openings being equi-angularly spaced and arranged so that the major dimension thereof is perpendicular to a radius through the center of the opening, substantially congruent rectangular connectors centrally located in said openings, said connectors having shanks extending axially out of opposite sides of the member, the shanks on one side of the member being fixedly connected to the flange whereby said connectors move with the hub, the shanks on the other side of the member



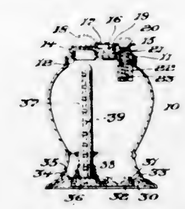
having stop elements affixed thereto of greater radius than said openings whereby they are adapted to abut the side of the member to limit axial movement thereof relative to the flange, and rubber bodies in said openings bonded to said rectangular connectors and to the portions of the member defining said openings and in a state of tension, said rubber bodies serving to resiliently connect the inertia member to the hub flange through the medium of said connectors, said inertia member and said bodies being proportioned and arranged to have a predetermined frequency of torsional vibration.

2,597,748
CHILD'S WALKING AND RIDING VEHICLE
La Von I. Powell, Denver, Colo.
Application February 23, 1950, Serial No. 145,772
2 Claims. (Cl. 280—87.04)



1. A vehicle adapted to be pushed by a walking child comprising: a substantially horizontal, V-shaped rear frame member having its apex directed forwardly, and its two legs directed rearwardly; a rear wheel supporting each rear leg of said V-shaped rear frame member; a substantially vertical frame member secured at the apex of said rear frame member and extending medially forward therefrom; a steerable front wheel supporting said vertical frame member; means for steering said front wheel; a foot rest member mounted on each leg of said rear frame member, one of said foot rest members being turnable; and a rotation-resisting device mounted on said turnable foot rest member and positioned to contact one of said rear wheels when said latter foot rest member is turned in one direction to exert a braking action on said wheel.

2,597,749
CONDIMENT HOLDER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application May 19, 1948, Serial No. 27,880
5 Claims. (Cl. 222—190)

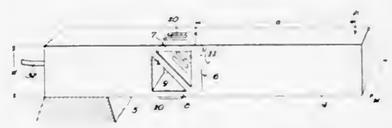


1. A condiment holder comprising a hollow body having a top wall with a discharge opening and closure cover hinged to swing over said discharge opening, a bottom wall with an opening therein, a plug to close said opening, and a one-piece unit of hygroscopic material secured to said plug and extending therefrom inwardly into said body and removable with said plug as a unit through said opening for reactivating.

2,597,750
STABILIZED PHOSPHORUS AND SULFUR-CONTAINING HYDROCARBON REACTION PRODUCTS AND COMPOSITIONS CONTAINING THE SAME
Edward N. Roberts and Lawson W. Mixon, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application February 23, 1949, Serial No. 78,002
26 Claims. (Cl. 252—46.6)

25. A lubricant composition containing a major proportion of an oil and from about 0.001% to about 10% of a metal salt of the product obtained by reacting from about 1% to about 50% of a phosphorus sulfide with a normally liquid hydrocarbon at a temperature of from about 200° F. to about 600° F., neutralizing said reaction product with a basically reacting metallic compound and reacting the neutralized product with from about 0.5% to about 40% of a quinone at a temperature within the range of from about 100° F. to about 400° F.

2,597,751
BENDING BEAM LOAD WEIGHING DEVICE
Arthur C. Ruge, Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application February 26, 1948, Serial No. 11,121
12 Claims. (Cl. 201—63)



1. A load weighing bending beam having a load sensing portion provided with moment resisting tension and compression members and a diagonal shear resisting member and the remaining portion of the beam being of greater rigidity in both

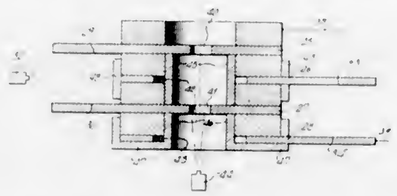
bending and shear than said load sensing portion whereby the beam will have for a given load a high degree of load weighing sensitivity with a low degree of deflection, and electrical impedance strain responsive means mounted on at least one of said members whereby the response of said strain means is a function of the load to be weighed as applied to the beam.

2,597,752

THERMOELECTRIC POWER GENERATOR

Winfield W. Salisbury, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application July 6, 1949, Serial No. 103,200
1 Claim. (Cl. 136—4)



A thermoelectric power generator comprising a series of annular metal blocks with alternate blocks of the same metal and the intervening blocks of a different metal to form respective hot and cold thermoelectric junctions, annular members of high heat conductivity interleaved between adjacent blocks, said annular members which conduct heat into the hot junctions having a smaller annular opening than the annular opening of said blocks to form inwardly extending annular heat conducting flanges extending interiorly of the generator, means to heat the outwardly extending rims of said annular members and also the said inwardly extending flanges to convey heat by conduction into the hot junctions, and heat insulating means for the internal and external exposed surfaces of said annular members which conduct heat away from said cold junctions.

2,597,753

PRODUCTION OF NITROPARAFFINS

Fred W. Schmitz and Richard S. Egly, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application April 20, 1950, Serial No. 157,178
21 Claims. (Cl. 260—644)

1. In a process for the recovery of nitroparaffins by fractionation of crude mixtures of nitroparaffins, the improvement which comprises washing the nitroparaffins with an aqueous solution of a compound selected from the group consisting of alkali metal bicarbonates, alkali metal dichromates, hydrogen peroxide, alkali metal bisulfites, and an alkali metal bicarbonate-alkali metal bisulfite mixture, said bisulphites being used alone only with nitroparaffins containing more than two carbon atoms, followed by a second washing of the nitroparaffins with an aqueous solution of an alkali metal bicarbonate when a compound selected from the group consisting of alkali metal dichromates and hydrogen peroxide is used first and an alkali metal bisulfite when an alkali metal bicarbonate is used first.

2,597,754

MANUFACTURE OF TETRAETHYLLEAD

Hymin Shapiro, Detroit, Mich., assignor to Ethyl Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application August 16, 1950, Serial No. 179,893
2 Claims. (Cl. 260—437)

1. The process of making tetraethyllead which comprises comminuting a sodium-lead alloy to a particle size in the range of about 100- to 300-mesh while it is submerged in an excess of ethyl chloride maintained at a temperature below that at which it reacts with said alloy, and then raising the temperature of the resulting slurry to between 40° C. and 100° C. for a residence time between 3 and 30 minutes while maintaining an excess of ethyl chloride in the ratio of ethyl chloride to lead between about 0.5 to 1 and 6.25 to 1.

2,597,755

RECOVERY OF NITRATED KEROSENE

Robert A. Shurter, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application January 26, 1950, Serial No. 140,747
8 Claims. (Cl. 260—644)

1. A process for the recovery of the nitroparaffin components from a mixture produced by the nitration of kerosene which comprises extracting said crude mixture with nitromethane, separating the layers which form, removing the nitromethane from the product extract by a distillation adapted to minimize decomposition of the nitroparaffins, and thereby recovering the nitrated kerosene.

2,597,756

SAFETY LADDER BASKET

Louis R. Sitek, Milwaukee, Wis.

Application July 6, 1948, Serial No. 37,297
1 Claim. (Cl. 248—210)



An attachment for ladders comprising a basket for receiving workmen's accessories including front and rear walls, and means for connecting the basket to the inner inactive face of a ladder for leaving the outer active face of the ladder clear including a pair of spaced upwardly extending arms rigidly secured to the front wall, ladder rung engaging hooks on the upper ends of the arms, a centrally disposed strap rigidly secured to the rear wall, said strap extending vertically upwardly and then inwardly between the arms, an adjustable loop on the upper end of the strap for engaging about a rung above the rung engaged by the hooks, said rear wall having spaced vertically aligned openings disposed centrally of

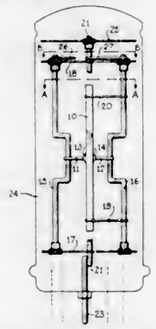
said arms, correspondingly aligned openings on the lower vertically extending end of the strap and means extending through any two of said aligned openings in the rear wall and strap for firmly securing the strap to the rear wall whereby the distance between the hooks and the loop on the upper end of the strap may be varied.

2,597,757

MOUNTING ARRANGEMENT FOR PLATED PIEZOELECTRIC CRYSTALS

Ralph Aubrey Spears, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company

Application March 5, 1948, Serial No. 13,223
In Great Britain September 17, 1947
2 Claims. (Cl. 171—327)



1. In a mounting arrangement for piezo crystals of rectangular cross section, in combination electrode means on each major surface of said crystal, rigid electrically conducting supports disposed vertically on each side of said crystal, horizontal conducting means extending from said vertical supports to a corresponding point on each major surface of said crystal to provide point suspension of and connection to said crystal, and substantially U-shaped resilient bumper means mounted centrally of the curved portion of the U shape on said vertical supports adjacent the upper and lower extremities of said crystal and extending across the path of pivotal movement of said crystal about its point of suspension whereby resiliently to limit such movement without setting up undue reactive forces at said point of suspension.

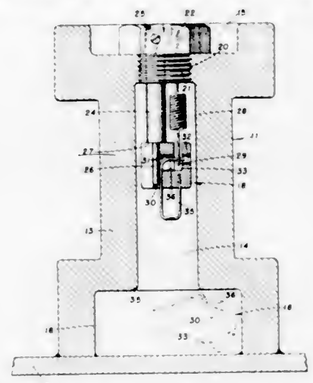
2,597,758

SETBACK GAUGE

Jules H. Sreb, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy

Application August 28, 1945, Serial No. 613,164
5 Claims. (Cl. 73—167)

1. In a setback gage for use in a missile, the combination of a support member, a deformable indicating member secured at one end to said support member, said indicating member being made of material that has a small elastic limit, an inertia member releasably held by said support member and transferrable to the remaining end of said indicating member, when setback occurs, whereupon said inertia member imposes upon said deformable indicating member stresses very greatly exceeding its elastic limit, thereby permanently deforming said indicating member, releasable means retaining the inertia member resiliently in engagement with the deformable member before and during the setback period, and means coacting with the support member and the



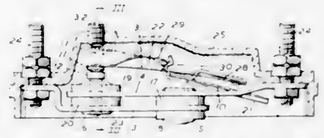
inertia member for initially preventing the release of said releasable means.

2,597,759

THERMAL OVERLOAD CUTOUT FOR ELECTRICAL APPARATUS

Clifford Victor Starkey, Greenford, England

Application May 18, 1950, Serial No. 162,619
In Great Britain May 26, 1949
5 Claims. (Cl. 200—113)



1. In an electrical cutout, a casing of insulating material, said casing having one side open and being adapted to form a closure for an opening in the casing of an electrical device, a shoulder formed interiorly of said casing at each end thereof, said shoulders being spaced upwardly from the open side of said casing, an electrically conducting support secured to each of said shoulders, said supports lying in superimposed relationship to each other within said casing and being insulated from each other, a bimetallic element having one end secured to the uppermost of said supports with its free end overlying said uppermost support, a first electrical contact carried by the free end of said bimetallic element and a second electrical contact electrically connected to the lowermost of said supports, said second contact extending above said uppermost support and normally being in contact with said first contact, said bimetallic element being constructed to move said first contact away from said second contact upon a rise in temperature.

2,597,760

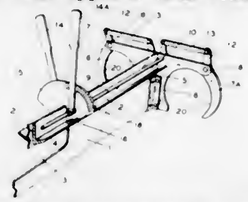
IRRIGATION PIPE CARRYING DEVICE

Harve J. Strahm, Medford, Oreg.

Application June 21, 1950, Serial No. 169,400
2 Claims. (Cl. 294—16)

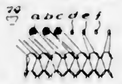
1. A pipe carrying device comprising an elongated frame in sheet form, angle bars extending longitudinally of the frame and secured to one longitudinal edge of the frame on opposite sides of the frame, transversely extending end pieces,

angle members securing said end pieces to the opposite sides of said frame in abutting relation to said ends and said angle bars, said end pieces having inwardly extending arcuate shaped cutouts in the opposite ends thereof, curved jaws pivotally secured to the opposite ends of said end pieces above said cutouts, said cutouts and said jaws being curved in reverse relation to each other to receive and grip pipes to be carried, operating rods extending longitudinally of said elongated frame within said angle bars, said rods being pivotally mounted at their opposite ends within said end



pieces, cranks fixedly connected to the outer ends of said operating rods, arms on said jaws beyond their pivotal connection with said end pieces, links pivotally connected at their opposite ends to said crank and said arms, upstanding operating levers fixedly secured to said rods, a double quadrant straddling said frame secured to said angle bars with said operating rods passing through said quadrant, spaced teeth on the outer edge of each quadrant and a pawl on each operating lever adapted to engage the teeth on each quadrant to prevent said rods from rotating.

2,597,761
METHOD OF AND MECHANISM FOR WIDENING A KNITTED FABRIC BETWEEN TWO SUCCESSIVE KNITTING OPERATIONS
John H. Straussberger, deceased, late of Chattanooga, Tenn., by Hamilton National Bank, executor, Chattanooga, Tenn., assignor, by direct and mesne assignments, to Julius Kayser & Co., New York, N. Y., a corporation of New York
Original application October 25, 1944, Serial No. 560,220. Divided and this application May 12, 1950, Serial No. 161,546
2 Claims. (Cl. 66—89)



1. The method of widening a knitted fabric between two successive knitting operations and while needle loops of a single course are carried by a series of needles, which comprises successively delivering the loops from a plurality of adjacent needles outwardly onto other needles a plurality of times in the same course, omitting from each such delivery after the first delivery the innermost loop delivered outwardly in the preceding delivery to form a series of loops in such course having a greater center-to-center spacing than the loops of the preceding course.

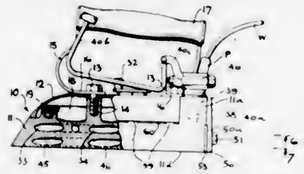
2,597,762
CROSS CHAIN FOR TIRE CHAINS
Henry St. Pierre, Worcester, Mass.
Application September 9, 1950, Serial No. 184,050
1 Claim. (Cl. 152—245)

A cross chain for a tire chain comprising a series of connected twist links having opposite high and low sides at each end and bars secured to certain of the links and extending transversely thereof and of the chain, said bars lying substantially parallel to the direction of motion of the chain when in use, each bar having laterally and



oppositely extending offset ends extending into the low sides of the links, said ends each presenting a relatively broad traction device lying parallel to the cross chain and transversely to the said direction of motion of the chain.

2,597,763
STEAM PRESSING IRON
Arthur Sussman, New York, N. Y.
Application June 24, 1949, Serial No. 100,987
5 Claims. (Cl. 38—77)

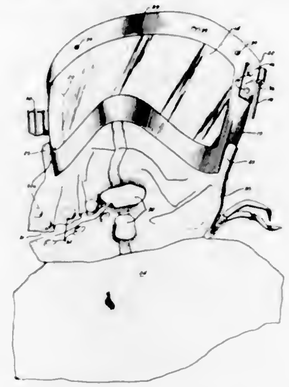


1. A steam iron comprising a base member containing a water inlet aperture, a heating element, a water heating channel communicating with said inlet aperture, a steam producing channel communicating with said water heating channel, a feed channel communicating with said steam producing channel, and a steam-distributing channel, the feed channel communicating with the front end of said steam producing channel, said water heating channel and said steam producing channel being located proximate said heating element, said base member having a lower sole plate which contains a series of apertures arranged in rows which are in registry with said steam distributing channel, said apertures being axially aligned with and communicating with the steam distributing channel, said apertures varying in size, being shorter at the front end of said steam distributing channel and becoming progressively longer as they approach the rear end of said steam distributing channel, whereby to insure even distribution of steam through said apertures.

2,597,764
CRASH HELMET
Charles Tucker, La Crescenta, and Lowell A. Lyle, Jr., Los Angeles, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application August 29, 1949, Serial No. 112,952
2 Claims. (Cl. 2—3)

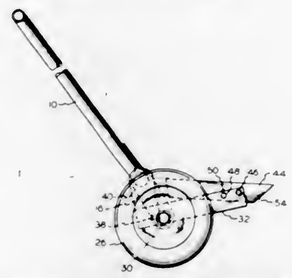
2. A crash helmet comprising an interiorly padded shock resisting and absorbing outer shell shaped to fit the head of a wearer and having frontal and lateral edges defining a facial opening, a transparent face shield covering and closing said facial opening, quick-release hinge means securing one side of said face shield in pivotal relationship to said outer shell, latching means at the other side of said face shield to hold said shield closed against said frontal

and lateral edges, said quick-release hinge means comprising a hinge pin receiver carried by said outer shell and a cantilever hinge pin carried by said face shield and adapted to engage in said receiver for normal installation and removal



of said shield, said pin having a frangible portion of reduced diameter adjacent its carrier, whereby said shield may be removed more quickly in an emergency by opening beyond its normal open position to snap said hinge pin in two and thereby break the connection at said hinge means.

2,597,765
FORK TRUCK
Harlin N. Welburn, Three Rivers, Mich.
Application April 4, 1950, Serial No. 153,828
1 Claim. (Cl. 280—53)

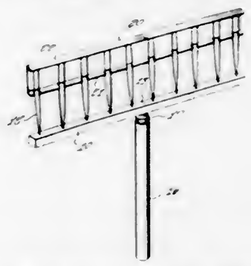


A fork truck comprising a horizontal axle constituting a fulcrum, wheels supporting said axle at opposite ends, a pair of tine members supported upon said fulcrum for pivotal load supporting movement in a vertical plane, at least one of said members having a sliding connection with said axle for lateral adjustment thereon, an actuator frame for said tine members including a U-frame member having a handle portion at one end, the leg portions of said frame member being attached at their ends to said axle for pivotal movement about the axis thereof, said tine members having load engaging portions extending forwardly from said axle and actuator engaging portions likewise extending from said axle and engaged by said U-frame member to rock said tine members about said axle to lift the load, and load engaging members on said tines and having pivotal connections with the outer end of said load engaging portions.

2,597,766
NITROALCOHOL PHOSPHATE CURING CATALYST FOR AMINOPLASTS
Herbert J. West, Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application November 8, 1946, Serial No. 708,810. Divided and this application September 29, 1950, Serial No. 187,675
14 Claims. (Cl. 260—21)

1. A coating composition comprising a thermosetting melamine-formaldehyde resin and a nitroaliphatic acid ester of phosphoric acid having only nitro and phosphoric catalytic reactive substituents.

2,597,767
PLASTER SCRATCHER
Allen S. Williams, Washington, D. C.
Application June 21, 1950, Serial No. 169,327
1 Claim. (Cl. 72—128)

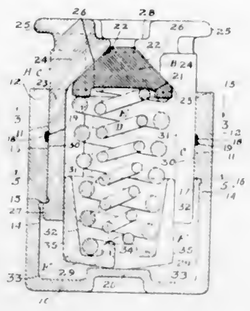


A plaster scratching tool comprising a bar having a plurality of openings therein spaced from one another, a handle connected to the bar, and a plurality of V-shaped spring metal tines, the apex of each of said V-shaped tines being received in one of the said coordinated openings to engage the side walls thereof in a spring pressed manner, and a protective member of channel shape having depressed upper and lower flanges, said lower flange having a plurality of slotted openings, said slotted openings receiving said separable portions of the V-shaped tines upon locating the lower flange adjacent the ends of the scratching elements and said V-shaped tines extending towards said upper flange, whereby said protecting member will be held against displacement from the V-shaped tines under the spring action of the separable portions of the tines.

2,597,768
FRICTION SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
William E. Withall, Hinsdale, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 20, 1949, Serial No. 122,500
5 Claims. (Cl. 267—9)

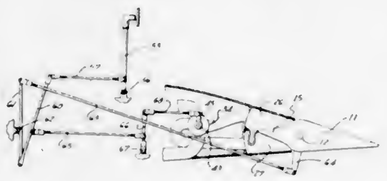
1. In a friction shock absorber, the combination with a friction casing open at one end and closed at the other end by a transverse wall, said casing having interior friction surfaces; of a plurality of elongated friction shoes slidingly telescoped within the casing in engagement with the friction surfaces thereof, each of said shoes having a wedge face at its outer end; a combined wedge and spring follower engaging the wedge faces of said shoes; a plurality of rockers supported on the transverse wall of the casing and bearing on the inner sides of the shoes at the

lower end portions thereof to spread said lower end portions of the shoes apart; and spring means



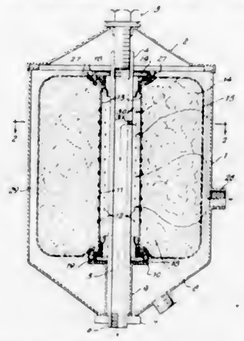
within the casing interposed and reacting between said combined wedge and spring follower and said rockers.

2,597,769
FULL-POWER BOOST AIRPLANE CONTROL SYSTEM
Irving L. Ashkenas, Beverly Hills, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Original application December 11, 1944, Serial No. 567,683, now Patent No. 2,559,817, dated July 10, 1951. Divided and this application October 1, 1948, Serial No. 52,366
3 Claims. (Cl. 244—85)



2. In an airplane control system, a manually movable pilot's control element, a movable control surface, operating means for said control surface comprising, in combination, a closed chamber, a movable member within said chamber dividing it into two separate pressure-tight compartments, said member being operatively connected with said control surface, first duct means opening into the airstream in a direction and at a location such that the available pressure in the duct is greater than atmospheric pressure by an amount proportional to the relative velocity of the air, second duct means opening into the airstream in a direction and at a location such that the available pressure in the duct is less than atmospheric pressure by an amount proportional to the relative velocity of the air, valve means connected to said two duct means and to said compartments for selectively mixing the pressures in the duct means into two resulting pressures, one of which is greater than atmospheric pressure and the other of which is less than atmospheric pressure, said two resulting pressures being directed to opposite compartments to produce a pressure differential on opposite sides of said member, and means for directly connecting said pilot's control element to said valve means only.

2,597,770
OIL FILTER REPLACEMENT UNIT
Leon G. Alexander, Charlotte, and James W. Sherrill, Belmont, N. C., assignors to Wix Accessories Corporation, Gastonia, N. C., a corporation of North Carolina
Application February 7, 1949, Serial No. 74,992
3 Claims. (Cl. 210—148)



1. A filter replacement unit including a center tube, a fabric sock having its ends tucked into the ends of the center tube and extending outwardly therefrom over the ends of the tube, and a gasket supporting and containing assembly constituting a portion of and carried by the filter replacement unit and located at each end of the center tube and comprising a tubular cylindrical member extending into the center tube and engaging the tucked-in end of the fabric sock at each end of the latter, an annular closure cap fitted over the cylindrical member and crimped into engagement with the end of the center tube and rigidly securing the tubular cylindrical member to the center tube, and a gasket arranged within the closure cap between the same and the upper end of the cylindrical member and having an opening of a size to fit a center pipe of a filter casing said gasket extending inwardly over the upper ends of the center tube and the cylindrical member to the center pipe and closing and sealing the space between the center pipe and the center tube at each end of the latter when the tube and the pipe are assembled in spaced relation within a filter casing.

2,597,771
DRILL BIT
Albert L. Bergstrom, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application July 17, 1947, Serial No. 761,703
1 Claim. (Cl. 255—64)



A separable drill bit comprising a relatively short length cylindrical body having one end open and internally threaded to receive a drill rod and the other end closed by two opposite sides of the body being positioned in flatwise contact on a diameter of the body to form a substantially solid section diametrical rib of greater length than the body diameter, said rib being grooved from end to end thereof partly

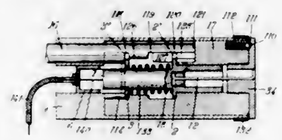
within each of the contacting portions of the said two opposite sides of said body, and a hard metal cutter bar insert secured in said groove in seated abutment over the joint between said contacting portions of the two opposite sides.

2,597,772
INDIVIDUAL NECK DUSTER
Antonio Bongiovanni, Philadelphia, Pa., assignor of fifteen and one-half per cent to Antonio Stango, fifteen and one-half per cent to Antonio Oteri, ten per cent to Alfred Stango, eleven and one-half per cent to John W. Kephart, Jr., and eleven and one-half per cent to A. Evans Kephart, all of Philadelphia, Pa.
Application June 2, 1949, Serial No. 96,809
2 Claims. (Cl. 15—226)



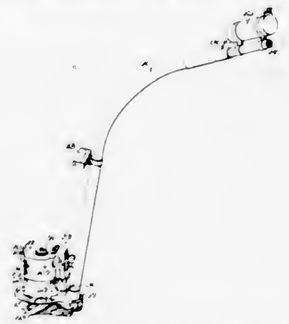
1. An individual neck duster including a body one end portion of which provides a handle and the opposite end portion of which is composed of a bunched series of strips providing a tuft integral with the handle, said body being formed of a paper roll having spiral windings, tapered plaits formed in said windings at the inner ends of said strips at the handle-portion of the body and gradually widening in a direction longitudinally of the strips toward the inner ends thereof as well as successively overlapping to provide the inner end portion of said handle with a tapered neck gradually stiffened by the widening plaits toward the inner end of said tuft, and means securing said windings rolled.

2,597,773
MECHANICAL RELAY
Gaston Robert Bouchard, Saint-Germain-en-Laye, France
Application February 26, 1948, Serial No. 11,251
In France November 26, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires November 26, 1958
17 Claims. (Cl. 74—334)



1. A mechanical relay of the type described which comprises, in combination, a fixed support, at least two secondary elements, adapted to act upon the mechanism to be controlled by said relay, individually reciprocable with respect to said support parallelly to one direction, at least two primary parts movably mounted with respect to said support for both simultaneous movement of said two parts as a whole in a direction transverse to said first mentioned direction with respect to said support and relative displacement of said two parts with respect to each other parallel to the first mentioned direction, selecting means movable with respect to said support in said transverse direction, connecting means between said selecting means and said two parts, for transmitting to said two parts the transverse displacements of said selecting means, said connecting means being elastically deformable in said transverse direction and arranged to leave said parts freely movable in the first mentioned direction with respect to said support, and control means operative by external energy and interposed exclusively between said two primary parts without operative connection with said support for imparting to said two parts a relative to and fro displacement with respect to each other in the first mentioned direction, said primary parts, secondary elements and support being provided respectively with cooperating projections and recesses to impart to at least one of said secondary elements, in response to said reciprocating displacement of said primary parts, a predetermined displacement with respect to said support, the choice of said particular secondary element and of the displacement imparted thereto being determined by said selecting means.

2,597,774
GRASS TRIMMER
Edwin F. Britten, III, Cranford, N. J.
Application October 28, 1948, Serial No. 57,041
10 Claims. (Cl. 56—25.4)

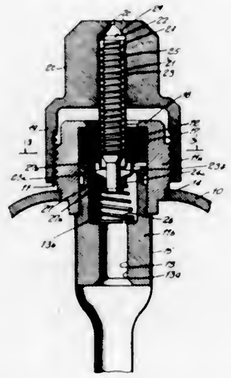


1. In a grass trimmer, a cutting head including a horizontal air dish disposed close to the ground when the head is in use, a fan housing upstanding from said dish and mounted thereon, an engine mounted on top of said housing and including a cylinder and crank shaft the latter of which extends through the housing and dish, a cutting blade operatively connected with the lower end of said shaft and operable by the shaft in a zone close below said dish, the dish and housing providing an air passage therethrough closed with respect to the zone of operation of said blade and having an outlet disposed to discharge air from said housing about the cylinder for cooling the same, means carried by the shaft within said housing and operable by the shaft to induce a current of air through said passage, said dish having a bottom wall, and a bearing mounted upon said wall and journaling the shaft near its lower end.

2,597,775
INSECTICIDE DISPENSER
Gregory Brown, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application January 31, 1947, Serial No. 725,490
3 Claims. (Cl. 299—118)

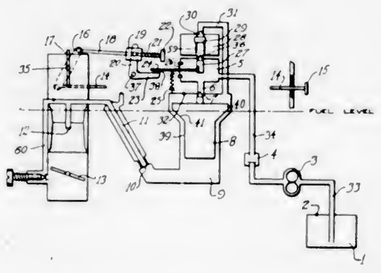
2. A fluid dispensing valve including a flexible ring having a hole therethrough, a valve element

seating on said ring's inner surface around said hole, means biasing said element towards said inner surface, a tubular element extending from said hole beyond said ring's outer surface and sealed fluid-tightly with said ring, and a stem engaging said valve element and extending through said hole and beyond said ring's outer surface and tightly fitted inside of said tubular element, said ring and said tubular element being constructed and arranged so that motion may be applied to



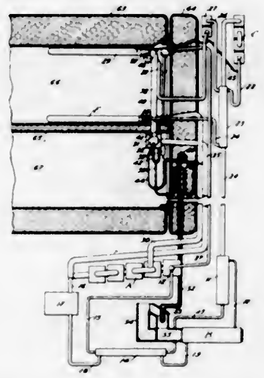
said tubular element and said stem to unseat said valve element from said ring's inner surface to define a space therebetween, and said stem having a longitudinally extending passage groove in its outer surface, one end of said groove opening to said space and said tubular element extending outwardly beyond said stem and having a closed outer end defining a space beyond said stem and having a restricted opening from said space to the atmosphere, the other end of said passage groove opening to said space.

2,597,776
AUXILIARY FUEL CHAMBER
Milton E. Chandler, New Britain, Conn.
Application September 18, 1947, Serial No. 774,712
14 Claims. (Cl. 123—180)



1. In combination with a carburetor having a float chamber, an auxiliary fuel chamber located above said float chamber, a chamber common to the inlet of the float chamber and the inlet to the auxiliary fuel chamber, a fuel pump supplying fuel under pressure to said common chamber, a valve controlling the entrance to said auxiliary chamber, said valve being closed when the carburetor throttle is in idle position and open to supply fuel to said float chamber when the throttle is open.

2,597,777
ABSORPTION REFRIGERATING APPARATUS
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 28, 1948, Serial No. 51,554
15 Claims. (Cl. 62—5)

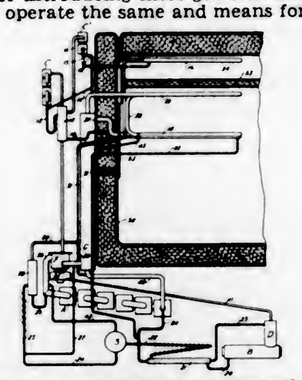


1. Refrigerating apparatus comprising an insulated cabinet structure including separate freezing and food storage chambers, an absorption refrigerating system charged with a refrigerant, an absorbent for the refrigerant and an inert gas, said refrigerating system associated with said cabinet structure including first and second evaporators arranged to refrigerate said freezing chamber, a third evaporator arranged to refrigerate said food storage chamber, first and second air cooled absorbers, a generator, means providing for flow of absorbing solution from said generator serially through said first and second absorbers in the order named and back to said generator, means for conducting inert gas in a first path of flow in which a major portion of the inert gas in the system flows serially through said second absorber and then through said second and third evaporators, means for conducting inert gas in a second path of flow in which a minor portion of the inert gas in the system flows through said first absorber and then through said first evaporator, and means for liquefying refrigerant vaporized in said generator and for supplying the liquefied refrigerant to said evaporators.

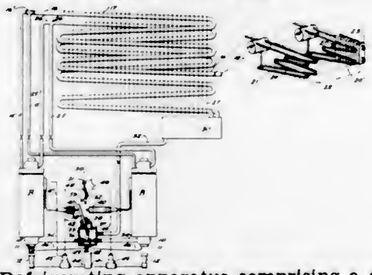
2,597,778
ABSORPTION REFRIGERATING APPARATUS
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 28, 1948, Serial No. 51,555
17 Claims. (Cl. 62—119.5)

1. In a refrigerating apparatus of the pressure equalized absorption type, a pair of evaporators, an absorber, a generator, means for liquefying refrigerant vapor evolved in said generator and for supplying refrigerant liquid to said evaporators, means for conducting inert gas through said absorber and to one of said evaporators, means for conveying absorbing solution from said generator to said absorber including a gas lift pump,

means for introducing inert gas into said gas lift pump to operate the same and means for conveying pumping gas which has traversed said gas lift pump to said second evaporator.



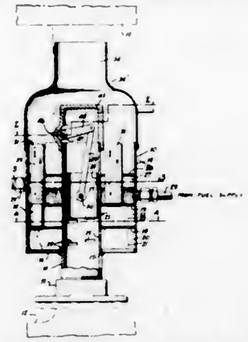
2,597,779
REFRIGERATING APPARATUS
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 18, 1948, Serial No. 60,687
5 Claims. (Cl. 62—5)



2. Refrigerating apparatus comprising a cabinet structure including a refrigerating chamber and a cooling air flue arranged exteriorly of said chamber, a pair of intermittent absorption refrigerating systems associated with said cabinet structure, each of said systems including a generator-absorber, a condenser in said flue and an evaporator for refrigerating said chamber, a cooling system for cooling said generator-absorbers including a heat transfer structure, means for heating said generator-absorbers, control means for operating said heating means and said cooling means to heat and cool each of said generator-absorbers alternately in out of phase relation with each other, a first cooling fin structure in said flue arranged to dissipate heat from said condensers and a part of said heat transfer structure, and a second cooling fin structure in said flue arranged to dissipate heat from another part of said heat transfer structure.

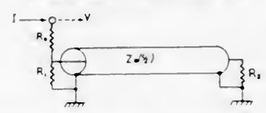
2,597,780
CARBURETOR
Richard W. Engnath, Brooklyn, N. Y.
Application September 11, 1948, Serial No. 48,900
9 Claims. (Cl. 261—23)

1. In a carburetor for internal combustion engines having an air intake port and an air-fuel mixture outlet port, a plurality of air-fuel mixing devices between said ports, a valve to effect individual communication between said ports through each said device, a fuel reservoir within which said devices are seated, and means for maintaining a substantially constant level of fuel in said reservoir, each said device comprising a vertically disposed tubular member having a cylindrical bore open at both ends and having a duct within the walls thereof, said duct having a



pair of vertically extending reaches and a lower reach interconnecting said reaches one of said vertical reaches having a pair of ports therein establishing communication exteriorly of said member said ports being adjacent the upper and lower ends respectively of said member, and the other vertical reach having a port therein establishing communication exteriorly of said member and interiorly of said cylindrical bore.

2,597,781
ELECTRICAL NETWORKS FOR ECHO CORRECTION IN ELECTRICAL SIGNALING SYSTEMS
Dennis Clark Espley, North Wembley, England, assignor to The General Electric Company, Limited, London, England
Application October 13, 1948, Serial No. 54,293
In Great Britain May 2, 1947
8 Claims. (Cl. 178—44)



2. A waveform correcting network for reducing the amplitude of an echo signal relatively to a desired signal of substantially like waveform, the echo signal being delayed in time relatively to the desired signal, said network comprising a transmission line of characteristic impedance Z_0, a terminal constituting both an input terminal for the application of said signals and also an output terminal, terminations of resistance R_1 and R_2 respectively at the ends of said network, said resistances differing from Z_0 whereby multiple reflections are produced at both said terminations in response to signals applied to said terminal, and a resistor of value R_0 connected between said terminal and the end of said transmission line terminated by the resistance R_1, the relations

$$R_0 = R_1 Z_0 / (R_1 - Z_0)$$

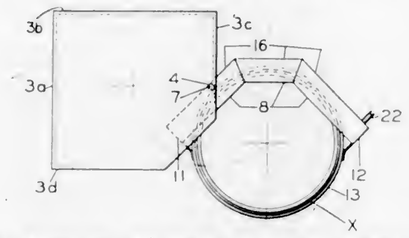
and

$$k = (R_1 - Z_0)(R_2 - Z_0) / (R_1 + Z_0)(R_2 + Z_0)$$

being substantially satisfied, where k is a con-

stant representing the amplitude ratio of the geometrical progression constituted by the amplitudes of pulses generated at said terminal by said desired signal and by the multiple reflections of said desired signal at said terminations.

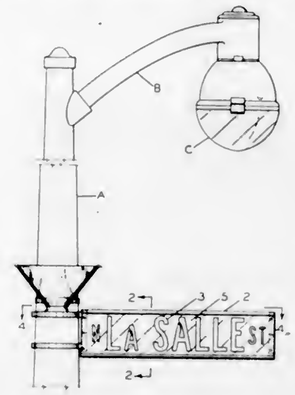
2,597,782
CABINET AND SUPPORT FOR CONTAINERS
Ever A. Ferm, Chicago, Ill.
Application December 17, 1948, Serial No. 65,885
2 Claims. (Cl. 312—283)



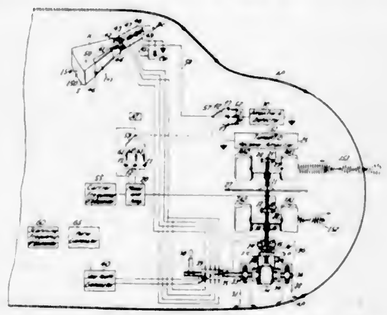
2. A cabinet comprising parallel and similarly shaped top and bottom members which are substantially rectangular in plan with one corner defined by a diagonal edge of a length which is substantial but considerably shorter than the opposite rectangular edges of said member, adjoining and right-angularly disposed vertically extending back and side panels, a relatively narrow and right-angularly disposed vertically extending side panel adjoining said back panel, a relatively narrow and right-angularly disposed vertically extending front panel adjoining said first-named side panel, said relatively narrow front and side panels together with said top and bottom members providing between them a door opening of substantial width, a door adapted to close said opening, said door including three angularly disposed and endwise connected horizontally extending upper framing members and three angularly disposed and endwise connected horizontally extending lower framing members, a panel extending between the outward edges of each of the corresponding upper and lower framing members of said door and forming the main body of said door, and relatively narrow side panels extending between the corresponding ends of the upper and lower frame, said last-named side panels disposed angularly inward with respect to the main door panel, a platform mounted on the lower series of said framing members and extending inwardly therefrom, and a vertically disposed hinged connection extending between the top and bottom members of said cabinet and pivotally connecting said door and said members, said hinge connection being offset from the vertical center-line of said door and attached to the top and bottom members of said cabinet at a point between the front edge of the narrow side panel and the diagonal edge of said members, the distance between the front edge of said narrow side panel and said hinge connection being less than the distance between said hinge connection and the vertical edge of the inwardly extending door section.

2,597,783
SIGN FOR STREETS, ETC.
Ever A. Ferm, Chicago, Ill.
Application June 14, 1949, Serial No. 99,046
9 Claims. (Cl. 40—130)

1. A sign adapted to utilize light rays from an external source, such as the sun, comprising a pair of members assembled to form a V-shaped trough open at the top, said members having indicia defining means, each of said members being partially light reflective and partially light transmissive, the shape of said trough being such that light entering through the top of the trough and striking one of said members will be partially reflected to the other of said members and partially transmitted through said first-mentioned member, the light reflected to said other member being partially transmitted through said member, the light transmitted through both of said members cooperating with said indicia defining means to provide a lighted sign.

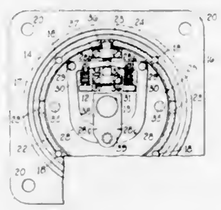


2,597,784
AIRCRAFT NAVIGATION AND INSTRUMENT LANDING SYSTEM
Oscar S. Field and Sedgwick N. Wight, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application October 11, 1944, Serial No. 558,256
14 Claims. (Cl. 343—11)



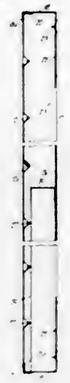
8. In a route indicating system for blind flying; airplane carried apparatus including an altimeter switch for selecting a single distinctive character of energization in accordance with the particular altitude at which the airplane is flying; airplane carried means for intermittently emitting radio energy characterized as selected by said altimeter switch; ground station apparatus including a radio receiver for detecting such energy and including a radio transmitter activated by such detected energy for radiating radio energy back to the airplane, said radio energy being characterized to correspond with the altitude indicated by the character of energy that is received from an airplane; and airplane carried means including receiving means responsive only to the single distinctive character of energization selected by said altimeter switch for directionally detecting said ground station radiated radio energy, said airplane carried means having a cathode-ray screen upon which is manifest in one plane the direction from which the ground station radiated energy was received and in a plane substantially at right angle thereto a distance commensurate with the distance from such airplane carried apparatus to said ground apparatus as determined by the time of transmission of such radio energy in both directions.

2,597,785
LATCHING MEANS FOR ELECTRIC MOTOR SHAFTS
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 3, 1948, Serial No. 42,221
2 Claims. (Cl. 192—8)



2. A latch mechanism for preventing creepage of a motor shaft when the motor is deenergized comprising in combination, a motor shaft, a motor end plate forming a bearing for said shaft, said end plate having a plurality of radial slots formed therein, a disk rotatively mounted on said shaft, a latch disposed on said disk so as to be slidably operable radially with respect to said shaft to engaging or disengaging positions with respect to any one of said slots, oppositely disposed centrifuge members pivoted to said disk and both being operable by centrifugal action about their pivot points to actuate said latch to said disengaging position, a spring biasing means acting on said centrifuge members to normally actuate said latch to an engaging position but permitting centrifugal action on said centrifuge members to retain them in said latch disengaging positions upon rotation of said disk until such rotation has substantially stopped, a cam secured to said shaft and operable to engage one or the other of said centrifuge members dependent upon the direction of rotation of said shaft, pins on said disk limiting the angle of rotation of each of said centrifuge members about its pivot to allow only limited movement of said cam relative to said disk and thereby cause said disk to be driven by said motor shaft, and a driven device connected to said motor shaft, whereby the application of power to the motor for causing its operation in either selected direction causes a limited rotation of said cam with respect to said disk to initially actuate said centrifuge members to latch disengaging positions and to then drive said disk and said driven device in the same direction, and whereby said driven device cannot cause creepage of said motor shaft while the motor is deenergized and said latch is actuated to an engaging position.

2,597,786
GARAGE DOOR
Raymond L. Fontaine, Sacramento, Calif.
Application May 14, 1949, Serial No. 93,297
1 Claim. (Cl. 189—46)

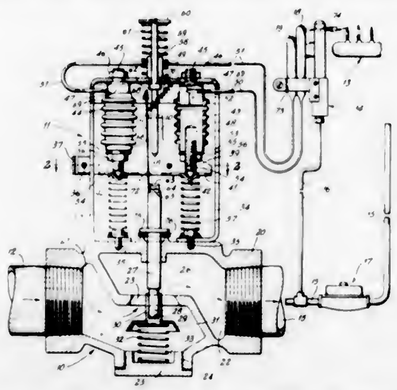


A metal garage door comprising a rectangular sheet metal panel formed with spaced parallel V-shaped grooves extending from side to side of the panel and in parallelism with the upper and lower edges thereof, said grooves being uniformly inwardly directed out of the plane of the panel to dispose the apices of said grooves at the rearward side of the panel, rearwardly directed flanges extending normal to the panel at the upper and lower edges thereof, reinforcing side and upper and lower frame members in the form of channels secured to the edges of said panel, said side and upper channels having forward flanges in overlapping relation to the side edges and upper flange of said panel, means securing the intersecting ends of said channels together, and reinforcing means for the body of said panel and for said channels consisting of a pair of mutually perpendicular channels disposed at the rearward side of said panel and extending substantially diagonally of said panel, said pair of channels having forward flanges parallel to the plane of said panel secured to each of the apices of the grooves of said panel, and said pair of channels having their ends fitting within said upper and lower reinforcing channels and secured thereto.

2,597,787
SAFETY CUTOFF CONTROL SYSTEM WITH DUAL THERMAL ELEMENTS
Claude M. Garner, Clayton, and William J. Allan, Richmond Heights, Mo., assignors to Missouri Automatic Control Corporation, St. Louis, Mo., a corporation of Missouri
Application May 26, 1947, Serial No. 750,536
2 Claims. (Cl. 158—127)

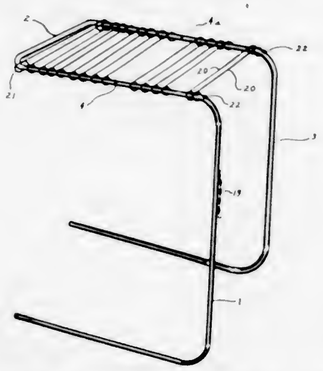
1. In a temperature responsive fuel cut-off device in combination, a burner, a valve, resilient means for holding said valve in a closed position, means for opening said valve, means for releasably holding said valve in an open position, valve releasing means including a lever movable toward and away from a valve releasing position, condition responsive means for actuating said lever comprising a first fluid filled element disposed adjacent said burner so as to receive heat therefrom, a first expansible element, fluid conduit means connecting said first elements, said first expansible element being operatively connected to one part of said lever, a second

fluid filled element also disposed adjacent said burner but arranged to absorb heat therefrom at a slower rate than said first fluid filled element, a second expansible element having the same proportions as said first expansible element, and fluid conduit means for connecting said second elements, said second fluid filled element having less fluid capacity than said first fluid filled element, whereby a greater expansion of said first expansible element is maintained at high ambient



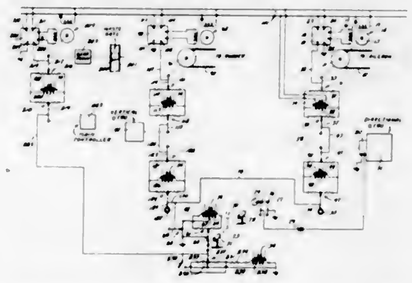
temperatures, said second expansible element being operatively connected to another part of said lever, the arrangement being such that expansion of said first expansible element with relation to said second expansible element causes the lever to move away from a valve releasing position and expansion of said second expansible element with relation to said first expansible element causes the lever to move toward a valve releasing position.

2,597,788
FOLDING CLOTHES DRIER
Vernon E. Gleasman, Elmira, N. Y.
Application July 23, 1948, Serial No. 40,352
2 Claims. (Cl. 211—178)



1. A folding frame comprising three U-shaped members each having parallel legs connected by a bight, two of which members are normally disposed in spaced parallel relation with their bights disposed vertically whereby one pair of their respective legs will form the bottom of the frame, the legs of the third member extending endwise from and connecting the other pair of the legs of the first two members to form therewith the top of the frame; and rotary lock joints connecting the legs of the third member with said other pair of legs of the first two members, said joints having means adapted to normally maintain the first two members in planes normal to that of the third member while permitting the first two members to be rotated into folded position superimposed upon the third member.

2,597,789
AIRCRAFT CONTROL APPARATUS
William J. McGoldrick, Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 7, 1948, Serial No. 53,245
4 Claims. (Cl. 244—77)

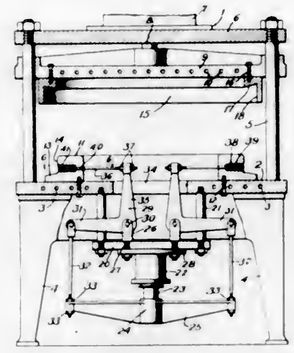


1. Control apparatus for an aircraft having a control surface for controlling the aircraft about one axis and a waste gate valve for varying the power of a propelling means for said aircraft, comprising; a first motor means connected to said control surface; a second motor means connected to said waste gate valve; control means for said first motor means comprising, means responsive to the degree of movement of the aircraft about one axis, a follow up controller driven by said first motor means, and a third selectively operable controller; a second control means for said second motor means comprising a follow up controller driven by said second motor means and a second operable controller; and means for operating said second operable controller in response to the operation of the third selectively operable controller.

2,597,790
METHOD FOR MAKING BELTS
Robert J. Gorecki, Passaic, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Original application March 5, 1947, Serial No. 732,437. Divided and this application March 8, 1949, Serial No. 80,299
4 Claims. (Cl. 18—53)

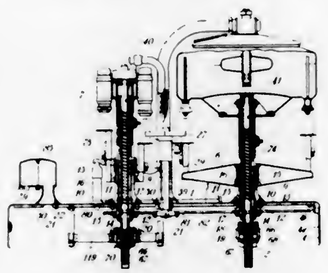
1. In a method of making substantially trapezoidal cross-sectioned transmission belts of the type comprising curable plastic material which comprises positioning an uncured belt carcass of solid substantially trapezoidal cross-section having strength members embedded therein substantially parallel to and adjacent the larger of one of the two substantially parallel surfaces thereof in a confined zone to substantially completely fill said zone, applying radially outwardly resilient pressure upon the opposite substantially parallel surface of said belt remote from said strength members after said carcass has been positioned

in said confined zone and while it is in said zone uniformly to densify said carcass, and curing said



uniformly densified carcass by heat while it is subjected to said resilient pressure.

2,597,791
MACHINE FOR FILLING AND CAPPING BOTTLES AND LIKE CONTAINERS
Arthur Graham-Enock, London, England, assignor to Graham-Enock Manufacturing Company Limited, London, England
Application September 29, 1948, Serial No. 51,778
In Great Britain October 24, 1947
8 Claims. (Cl. 226—75)



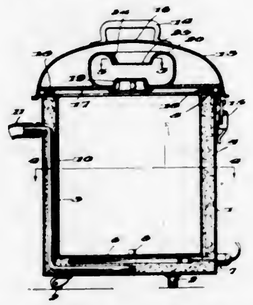
1. A bottle filling and capping machine comprising a base, a rotatable vacuum filling mechanism mounted on the base and including a milk tank, a rotatable capping mechanism mounted on the base, means for conveying bottles to the filling mechanism, means for conveying filled bottles from the filling mechanism to the capping mechanism, vacuum producing means mounted upon and above the base and comprising a ring secured on the base, an apertured disc concentric with the ring and secured thereto, a motor suspended from the disc and extending through an aperture in the base, a shaft driven by said motor and extending upwardly through the aperture in the disc, a dished cover located above the ring and forming a chamber therewith, the cover being peripherally spaced from the ring, an impeller located in the chamber and mounted on said shaft, said cover having a sleeve, and a conduit engaging said sleeve and connecting the vacuum producing means with the milk tank.

2,597,792
FISH LURE
John James Hardy, Vernon, Fla.
Application May 5, 1947, Serial No. 745,899
1 Claim. (Cl. 43—42.15)



In a fish lure simulating a headless shrimp, an elongated forward arcuate body, a somewhat longer rear arcuate body, said bodies tapering in a rearward direction with the adjacent ends of the same of substantially equal area, a wire passing through each of said bodies lengthwise thereof, the leading end of the wire in said forward body terminating in a line attaching end and its trailing end in a loop, the forward end of the wire in said rear body terminating in a loop in engagement with the first loop and its trailing end in a hook attaching eye, the rear end of said rear body being undercut to provide a tail portion overlying the said hook attaching eye, a screw eye secured in the lower side of said forward body for the attachment of a hook thereto, a plurality of limp members secured on the lower side of each of said bodies, a flat flared tail piece secured to the lower side of the rear end portion of said rear body forwardly of the said undercut and projecting rearwardly in underlying relation with respect to the hook carried at the rear end of the wire in said rear body, the flared portion of said tail piece having a V-shaped slot opening through its rear edge to provide a pair of divergent fin-like portions extending below and at opposite sides of the last named hook attaching eye and the shank of the hook carried thereby, and a weight secured on the under side of said tail portion to keep the lure in a life-like position as it is being trolled.

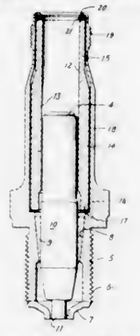
2,597,793
CLOTHES-WASHING MACHINE
Charles D. Harrell, Knoxville, Tenn.
Application May 19, 1947, Serial No. 749,010
4 Claims. (Cl. 68—183)



2. In a washing machine including a tub adapted to contain a body of soapy water therein to

receive clothes for washing action, fluid supply means for creating pneumatic action in the water for causing a washing action on the clothes, said tub having a discharge opening in the top portion thereof, a closure for said top opening, and means for preventing the escape of soap bubbles through said closure, said last-mentioned means comprising a cup having circumferentially spaced openings in the surrounding sides thereof and deflecting vanes partially covering said opening to permit the escape of air and constructed to break up soap bubbles, said cup being mounted in said closure, and a second cup mounted on top of the closure and surrounding said first-mentioned cup and forming a trap for any liquid passing therethrough, said second cup having a discharge opening to permit the escape of air.

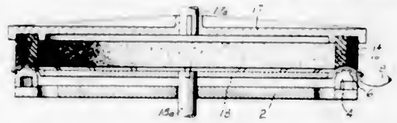
2,597,794
SPARK PLUG
Walter Hediger, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application November 8, 1945, Serial No. 627,398
5 Claims. (Cl. 123—169)



2. In a spark plug, a tubular one-piece metallic member comprising a shell and a shielding barrel, said shell being molecularly integral with said barrel, a center electrode assembly supported in said shell and extending into said barrel, the inner enlarged portion of the bore of said barrel into which said assembly extends being cylindrical and the outer portion of said bore being of smaller diameter than said enlarged portion and joined thereto by an intermediate tapering portion, an internal shoulder being formed at the inner end of said barrel around said assembly and a portion of the outer end of said barrel being turned inwardly to form an internal flange, and a pre-formed rigid tube of insulating material interposed between said flange and said shoulder around the end portion of said assembly and having an external contour conforming approximately to the size and shape of the bore of said barrel.

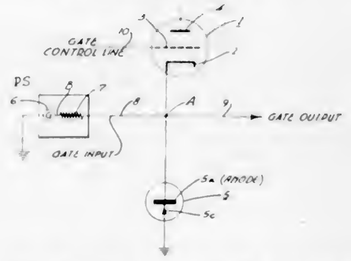
2,597,795
GRINDING OF LONGITUDINALLY CURVED ROLLERS
Franklyn P. Hegeman, Union, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 22, 1948, Serial No. 50,505
8 Claims. (Cl. 51—130)

1. In a machine for grinding longitudinally curved rollers, a stationary ring, an annular surface thereon and generally curved in a radial direction from its outer periphery to its inner periphery, a spiral rib on said ring, a rotary abrading ring coaxial with the stationary ring, an annular abrasive surface on the abrasive ring and curved radially from its outer periphery to its inner periphery, a rotatably driven carrier



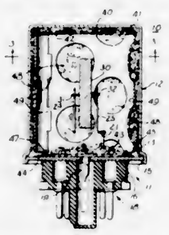
having a curved peripheral portion radially extending between the rings, said peripheral portion having a series of roller receiving slots extending into it from its outer edge, and feeding mechanism for urging rollers into the open ends of the slots and between said rings as the carrier rotates.

2,597,796
ELECTRONIC CATHODE GATE
Lawrence D. Hindall, Inglewood, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application February 4, 1949, Serial No. 74,553
3 Claims. (Cl. 250—27)



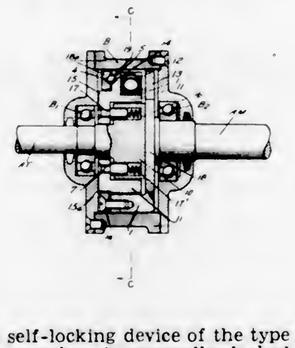
1. A gating circuit comprising a diode having the cathode thereof grounded, a grid controlled vacuum tube having the cathode thereof connected to the anode of said diode to pass or not pass current through said diode, means for generating pulses connected to the anode of said diode, and a pulse output connection to said anode.

2,597,797
CRYSTAL HOLDER
John D. Holmbeck, Sandwich, Ill., assignor to The James Knights Company, Sandwich, Ill., a corporation of Illinois
Application April 19, 1949, Serial No. 88,360
6 Claims. (Cl. 171—327)



6. A holder for a piezoelectric crystal comprising, in combination, a shell-type enclosure, means for supporting a crystal generally centrally within said enclosure, said holder being so dimensioned as to provide a relatively narrow dead air space surrounding said crystal, said supporting means having members for engaging the crystal at spaced points while leaving the crystal surfaces substantially free of obstruction so that said surfaces are free to vibrate in said dead air space, and a layer of porous insulating material arranged adjacent the walls of said enclosure and opposite the vibrating surfaces of the crystal for preventing reflection and reverberation of supersonic vibrations within the holder.

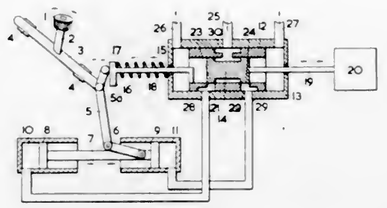
2,597,798
SELF-LOCKING DEVICE
René Benjamin Houplain, Paris, France
Application July 12, 1947, Serial No. 760,522
In France January 28, 1947
5 Claims. (Cl. 192—8)



1. In a self-locking device of the type in which a driven member is normally locked between periods of actuation comprising a driving member, a coaxial driven member, a cam carried by said driven member, a fixed reaction surface surrounding said cam, spring-actuated rolling wedges working between said cam and said reaction surface and unwedging means carried by said driving member; an auxiliary brake to assist said wedging device and to relieve it in case of excessive loads applied thereon; said brake comprising a fixed brake-drum forming a continuation of the reaction surface of said wedging device; a brake-shoe mounted with a small amount of axial play on the driven member so as to be solidary of the angular movements thereof; adjustable elastic pressure means tending constantly to apply axially said brake-shoe against said brake-drum; and releasing means under the control of said driving shaft acting simultaneously and conjointly with said unwedging means to move axially said brake-shoe away from said brake-drum against the action of said pressure means upon actuation of said driving member.

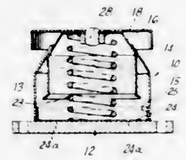
2,597,799
MEANS FOR CONTROLLING THE OUTPUT OF VARIABLE DISPLACEMENT PUMPS
Geoffrey John Eliot Howard, Eccles, England, assignor to Harold Moore & Partners (Engineers) Limited, Whyteleafe, England, a company of Great Britain
Application March 14, 1949, Serial No. 81,272
2 Claims. (Cl. 103—37)

1. In a reciprocating piston pump of the kind in which two pistons are moved to and fro by eccentrics one of which is positively driven and the other driven therefrom through a differential gear comprising a pair of bevel wheels and a cooperating central bevel wheel, and arranged so that the piston phase relationship is variable to vary the capacity of the pump by rotation of the central bevel wheel about the axis of the pair of bevel wheels of the gear, the combination of a shaft carrying the said central bevel wheel, a second shaft to which the first shaft is affixed and which is co-axial with the axes of the pair of bevel wheels and arranged at right angles to the first shaft, of two cylinders



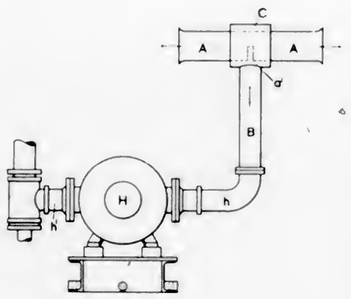
and a piston in each cylinder, a common piston rod for the two pistons, means connecting the piston rod to said second shaft for converting a longitudinal movement of said rod into a rotary movement of the second shaft, a valve controlling the supply of fluid to the aforesaid cylinders to operate the pistons, and a controlling instrument operative to produce impulses to actuate the valve whereby the rotation of the central bevel wheel is actuated by and consequently the outlet of the pump is controlled by the aforesaid impulses.

2,597,800
VIBRATION ISOLATION UNIT
Carl Hussman, Chicago, Ill.
Application September 13, 1948, Serial No. 49,033
8 Claims. (Cl. 248—20)



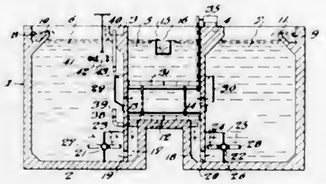
1. A vibration isolating unit for use in mounting a vibration generating load upon a subjacent base comprising a container for a damping fluid, said container comprising an outer container member adapted to be attached to a base and an inner container member adapted to be attached to a superjacent load, said container members being arranged in partially telescoped relation and annularly spaced apart, and a compression spring disposed within the container between said container members and tending to move said members apart in an axial direction and adapted to be compressed partially by an imposed load for inhibiting transmission of vibrations from the load to the base when the unit is in use, said container members having frusto-conical wall portions movable relatively into sealing relation by said spring when the unit is unloaded for limiting separating axial movement of the container members by the spring and preventing flow of damping fluid from the container between said frusto-conical wall portions.

2,597,801
SUCTION HYDROEXTRACTOR
Curt Jellinek, County of Glamorgan, Wales, now by judicial change of name Curtis Marcell Elliot
Application April 4, 1946, Serial No. 659,450
In Great Britain April 16, 1945
3 Claims. (Cl. 15—306)



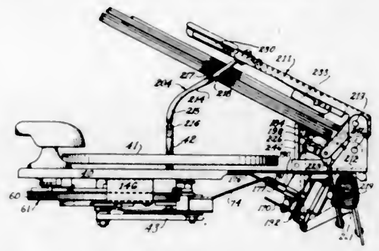
1. A suction hydro-extractor for the treatment of textile fabrics comprising a tube open at each end for the passage of the fabric in rope form and entrance of air, an air tight jacket enclosing a portion of the periphery of said tube, the jacket being in communication with the interior of the tube, a suction pipe connected to the interior of the air tight jacket, and suction producing means connected to said suction pipe.

2,597,802
APPARATUS FOR TREATING LIQUID SEWAGE AND THE LIKE
Stanley E. Kappe, Yorktowne, Md.
Application July 17, 1946, Serial No. 684,158
7 Claims. (Cl. 210—8)



1. Sewage treatment apparatus comprising adjacent aeration and settling chambers, a liquid return passage from the aeration chamber to the settling chamber at an elevation above the bottom, a passageway from the lower part of the settling chamber to the aeration chamber, baffle means rising and extending upwardly from the bottom in the aeration chamber and spaced from the outlet opening of the passageway thereinto, and air discharge means in the aeration chamber and intermediate the outlet opening and the baffle means.

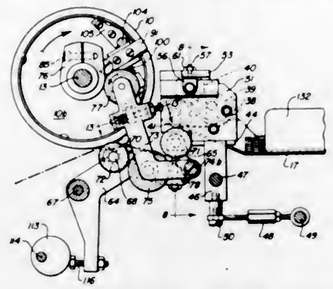
2,597,803
AUTOMATIC PHONOGRAPH
Mahlon W. Kenney, Oak Park, and Carl G. Johnson, Chicago, Ill., assignors to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application February 2, 1946, Serial No. 645,110
10 Claims. (Cl. 274—10)



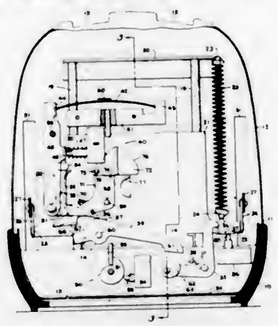
1. In an automatic phonograph, in combination, a turntable having a centrally located spindle, a swinging magazine element pivotally mounted on a generally horizontal axis adjacent said turntable and arranged to occupy a position above said turntable, a post carried by said element and extending downwardly into alignment with the turntable spindle, a record supporting step on said post, said magazine element being arranged to be swung upwardly about its axis to elevate the post away from the spindle so that a stack of records may be applied to said post to rest on said step with the post extending through their central openings, a lateral support located adjacent the turntable to provide marginal support for records supported on said step, a locking element arranged to lock the magazine element in any of a large number of intermediate positions, means biassing said locking elements towards locking position, a member mounted on said magazine element operatively connected to said locking element and arranged for manual actuation to unlock said locking element, a projectable member located between the turntable and said lateral support and arranged to be projected upwardly therebetween, and operating elements cooperating with the magazine element to project said projectable member upwardly beyond said lateral support when the magazine element is in intermediate positions and retract it downwardly below said lateral support in the extreme positions of the magazine element, said projectable member being located, in its upward position, to swing the records over the lateral support when the magazine is moved downwardly towards operating position.

2,597,804
DRIVE AND CONTROL MEANS FOR SHEET FEEDING ROLLERS IN DUPLICATING APPARATUS
Henry P. Kell, Chicago, Ill., assignor to The Fixture Hardware Corporation, Chicago, Ill., a corporation of Illinois
Application July 12, 1947, Serial No. 760,538
8 Claims. (Cl. 101—132.5)

1. In a duplicating apparatus of the character described, the combination with a rotatable drum, of a platen roller in pressure engagement therewith, combined feeding and moistening rollers adjacent to said drum for advancing sheets to the drum for passage between the drum and platen roller, and drive means for the feeding and moistening rollers comprising a drive wheel fixed on the platen roller, a driven wheel fixed on one of the moistening rollers and means operably connecting the drive wheel to the driven wheel during a portion of each rotation of the drum whereby rotation of the platen roller effects temporary rotation of the feeding and moistening rollers, said connecting means comprising a cam on the drum and a motion transmitting member movable by said cam into position to transmit the rotation of said drive wheel to the driven wheel.

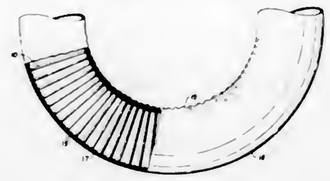


2,597,805
ELECTRIC TOASTER
William H. Kitto, Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 18, 1947, Serial No. 735,327
15 Claims. (Cl. 99—329)



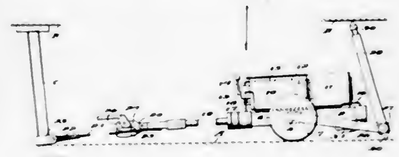
1. A toaster comprising, bread carriers movable from a bread receiving to a toasting position, main heating means for performing the toasting function, a thermally responsive element movable from a cold position to a hot position when heated and back to its cold position when cooled, auxiliary heating means for said thermally responsive element, means actuated by movement of said carriers to toasting position for simultaneously energizing said main and auxiliary heating means, means responsive to a plurality of movements of said thermally responsive element from its cold position to its hot position for terminating the toasting interval and a manually actuatable crisper control operable when in one position to deenergize both of said heating means when said thermally responsive element moves to its hot position and operable when in another position to deenergize only said auxiliary heating means when said thermally responsive element moves to its hot position.

2,597,806
SUCTION CLEANER HOSE
Frank A. Martin, Akron, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 30, 1946, Serial No. 706,785
5 Claims. (Cl. 138—56)



1. A flexible hose for suction cleaners consisting of, a stiff steel wire of cylindrical helical form, a layer of frictioned fabric covering said helical wire, a spirally wound cord having its convolutions lying between the convolutions of said helical wire and pressing said fabric between the convolutions of said wire so as to form an interior surface of substantially the same diameter throughout the length of the hose, said fabric being bonded to both said wire and cord so as to form an impervious integral hose carcass which maintains its shape even though bent sharply and an elastic thermoplastic covering applied to said carcass, said covering having a normal internal diameter less than the external diameter of said carcass and being unbonded thereto so as to apply an elastic compression to said carcass and normally tightly adhering thereto but being capable of moving away therefrom into folds on the inside of the curve when the hose is bent sharply and of being stretched on the outside of the curve.

2,597,807
PROP-WITHDRAWING APPARATUS FOR USE IN MINES
John Bridie Mavor, Glasgow, Scotland, assignor to Mavor & Coulson, Limited, Glasgow, Scotland
Application August 6, 1947, Serial No. 766,629
In Great Britain July 25, 1945
8 Claims. (Cl. 254—93)



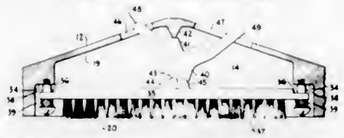
1. Mine prop-withdrawing apparatus comprising a transportable body with supporting means to engage the floor and a motor-driven pump for the supply of fluid under pressure, a fluid-pressure cylinder-and-ram unit operated by fluid from the pump, a pivotal connection between said unit and said supporting means by virtue of which the unit can be directed towards either the foot or head of a prop to be withdrawn, and an attachment device for connecting said unit to either the foot or the head of the prop to be withdrawn so as to exert the required pull on the prop.

2,597,808

SUCTION CLEANER NOZZLE WITH ROCKING LEVER TYPE ADJUSTABLE BRUSH

Willard H. McQuilkin, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application April 25, 1947, Serial No. 743,781
2 Claims. (Cl. 15—373)



1. A surface cleaning tool comprising a body member having walls defining an air passageway terminating in surface engaging lips forming a suction nozzle and a brush housing contiguous to said air passageway and opening downwardly, a brush, means mounting said brush in said housing for slidable movement between a projected surface engaging position and a retracted inoperative position, a control member, means forming a separable rocking connection between said control member and the top of said brush, coacting cam surfaces on said control member and said housing shaped to cause said brush to project and retract as said control member is rocked on said connection, actuating means on said control member extending through an opening in a wall of said housing and being insertable and withdrawable through said opening from said brush housing when the apparatus is assembled or disassembled, means biasing said brush upwardly in said housing to maintain said connection in assembled relation and said cam surfaces in engagement and said actuating means extended through said opening in the wall of said housing.

2,597,809

MANUFACTURE OF SYNTANS

John Miglarese, Cincinnati, Ohio, assignor to The United States Leather Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application September 8, 1948, Serial No. 48,324
4 Claims. (Cl. 260—124)

1. The process of preparing a water-soluble tanning material which comprises dissolving water-insoluble soda lignin in a phenol in proportions from about 1 part of soda lignin to 2 parts of phenol to about 5 parts of soda lignin to 1 part of phenol, sulfonating the same by the gradual and progressive addition of concentrated sulfuric acid with stirring at a temperature around 50 to 60° C. with subsequent increase in temperature to around 95° C. to form a water soluble product, and reducing the acidity of the solution to a pH of around 3.5.

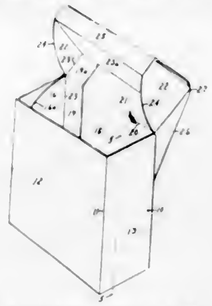
2,597,810

CONTAINER HAVING SLIDE-OPERATED FOLD-BACK COVER

Harold L. Myers, Morristown, N. J.

Application November 8, 1947, Serial No. 784,803
4 Claims. (Cl. 229—19)

1. A shipping and display container for merchandise comprising a slidably-removably mounted open-ended tubular outer section having front, rear, and side walls, the rear wall of which has a transverse slot, and an inner section comprising pivotal upper and lower four-sided container parts, said inner section being movably mounted within said outer section and normally enclosed therein, the upper container part having an upper panel foldable rearwardly and downwardly by means of score lines to a point on the rear side and having a flap at its outer end insertable in display position in said slot, said flap having a centrally located tab cut out on its



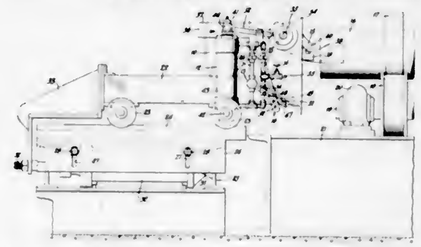
surface and foldably connected to the main panel and bendable rearwardly and outwardly to impede downward movement beyond a certain point on said flap when said flap is inserted in said slot.

2,597,811

METAL POURING APPARATUS FOR FEEDING MOLTEN METAL INTO CENTRIFUGAL MOLDS

John J. Nolan, Jr., New York, N. Y., assignor to The Central Foundry Company, New York, N. Y., a corporation of Maine

Application March 18, 1949, Serial No. 82,166
4 Claims. (Cl. 22—79)



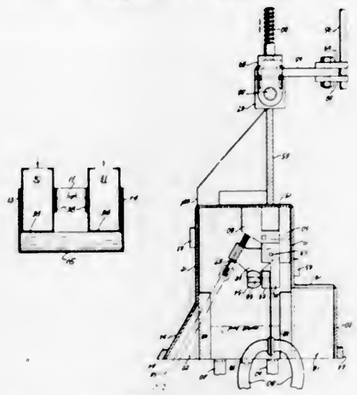
4. Centrifugal casting apparatus comprising a rotary mold, a trough for directing molten metal into one end of said mold and terminating near said end, a tiltable ladle for pouring molten metal into said trough, a member on which said ladle is mounted, a fluid-pressure operating device for applying substantially constant torque to said ladle for tilting the latter to pour said metal into said trough, said operating device comprising a piston element and a cylinder element, means connecting one of said elements to said member, means connecting the other of said elements to said ladle, means for maintaining said trough stationary during pouring of said metal into the mold, an hydraulic mechanism comprising a piston element and a cylinder element, means connecting one of said last named elements to said member, means connecting the other of said last named elements to said ladle, means comprising a valve for controlling passage of liquid from one portion to the other of the last-mentioned cylinder, and linkage means connecting said valve to said ladle to operate said valve for varying the speed at which said ladle is tilted by said operating device in response to changes in the position of said ladle during tilting thereof.

2,597,812

TENSILE TESTING DEVICE

Jules J. Perot, Jr., Mountain Lakes, and George Cawley, Upper Montclair, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

Application December 12, 1947, Serial No. 791,244
1 Claim. (Cl. 73—15.6)



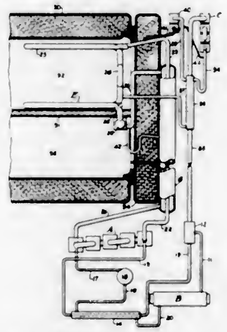
A device for use in measuring the tensile strength of roofing felt while immersed in molten asphalt, which comprises a tank for holding the asphalt, clamping means mounted within the tank for gripping one end of a strip of roofing felt, tensile stress to said roofing felt, vertically movable displacement means disposed in said tank for adjusting the level of the asphalt maintained within the tank, said displacement means being adapted to displace at least one-third of the volume of said tank, whereby upon elevation of said displacement means said clamping means is exposed and heating means for maintaining the asphalt at a selected temperature.

2,597,813

ABSORPTION REFRIGERATING APPARATUS

Glenn T. Piper, Louisville, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 24, 1948, Serial No. 67,129
7 Claims. (Cl. 62—119.5)



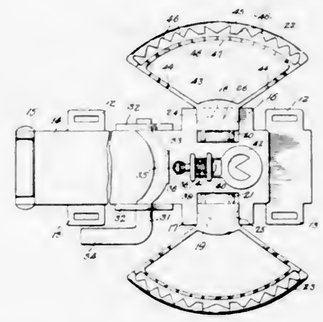
1. In a refrigerator, an insulated freezing chamber, a first evaporator arranged to refrigerate the lower portion of said chamber, a second smaller capacity evaporator arranged to refrigerate the upper portion of said chamber, a generator containing a solution of refrigerant in an absorbent, a first large air cooled condenser, a second air cooled condenser of less capacity than said first condenser, conduit means for conducting hot vapors from said generator to said first condenser, a vaporizing jacket surrounding a part of said conduit means, conduit means including a U-shaped portion forming a liquid retaining trap for conducting condensate from said first condenser to said jacket, conduit means including a liquid filled trap portion for conveying condensate from said jacket to said first evaporator, means for conveying refrigerant vapor from said jacket to said second condenser, and means for conveying refrigerant liquid from said second condenser to said second evaporator.

2,597,814

ANIMAL TRAP

Joseph Davis Pirtle, Siren, Wis.

Application May 12, 1949, Serial No. 92,790
2 Claims. (Cl. 43—92)



1. A trap of the class described comprising a base, an actuating plate carried thereby, a trigger post carried by said base and extending through said actuating plate, a longitudinally movable trigger pin yieldably mounted upon said actuating plate and normally engaging said trigger post to hold the actuating plate in a set position, means carried by said trigger pin to connect a bait thereto in a manner whereby a pull upon the bait will move the pin longitudinally to disconnect the trigger pin from the trigger post, jaws hinged to the base, means carried by the actuating plate and engaging the jaws for swinging said jaws to a closed position when the actuating plate is moved outwardly relative to the base, and means carried by said base and engaging the actuating plate to automatically move the actuating plate outwardly of the base when the trigger pin is released from the trigger post.

2,597,815

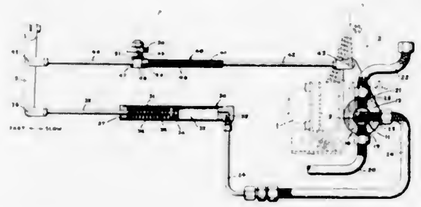
HYDRAULIC BOOSTER AND LEVER MEANS FOR CONVEYING SPEED CONTROL SIGNALS TO A CONTROL LEVER FOR SPEED GOVERNORS, THROTTLES, OR THE LIKE

Howard H. Platts, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application August 21, 1947, Serial No. 769,833
1 Claim. (Cl. 121—41)

Means for conveying speed signals from a speed control to a floating control lever on a governor or the like device including, a shaft

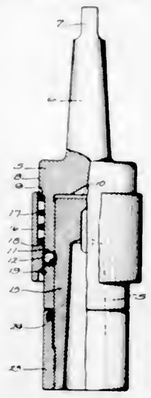
having a rotary position corresponding to the speed signals to be conveyed, a supply of pressure fluid, a rotatable valve body having a valve chamber mounted on said shaft, said valve body having an inlet for said chamber, an outlet for said chamber, and a port for said chamber, a rotatable valve plug in said chamber for controlling the flow of fluid therethrough, said valve plug being fixed to said shaft for rotation therewith and arranged so that when said speed control calls for an increase in speed said inlet is connected to said port and when said speed control calls for a decrease in speed said port is connected to said outlet, a conduit connecting said inlet to said supply of pressure fluid, said outlet connected to a drain, a first linkage including a casing, a piston slidably mounted in said casing and connected to said governor lever at the floating end thereof, means providing communication between said port and said casing so that pressure fluid admitted from said port



to said casing acts on said piston to move it and thus the governor lever towards a position of increased engine speed, spring means abutting said piston for urging it and thus the governor lever to a position of decreased engine speed, a second linkage including, a first rod connected at one end to said rotatable valve body and having an elongated cylinder with a stop therein at the other end thereof, a second rod connected at one end to the medial portion of said lever and provided with a plunger member at the other end thereof slidably mounted in said cylinder of the first rod, spring means in said cylinder for yieldably urging said plunger to the stop means for forcing said rods to their maximum length, and manually adjustable locking means formed on said stop means for fixedly positioning the length to a position in which said valve plug prevents flow of fluid from said inlet to said port to maintain said lever in a decreased speed position.

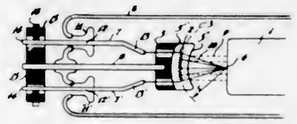
2,597,816
TOOLHOLDING CHUCK
Edward Podjaski, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 10, 1948, Serial No. 64,597
6 Claims. (Cl. 279—75)

1. A tool holder comprising a chuck body member, a tool-receiving collet member insertable in the body, detent means for releasably retaining the collet member in the body member and providing a driving connection between the body and the collet, and resilient means adjustably positioned on one of the members and reacting on the other member for resiliently combining the members as a substantially rigid unit, the second said means permitting withdrawal and replacement of the collet member from and in the body member without disturb-



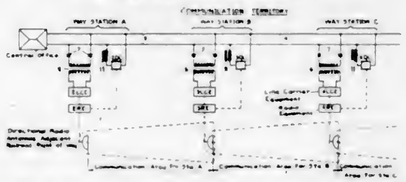
ing the adjustment of the second said means on the said one member.

2,597,817
X-RAY TUBE
Maurice Poittevin, Meudon, France
Application November 30, 1946, Serial No. 713,354
In France December 14, 1945
8 Claims. (Cl. 313—57)



1. In an X-ray tube, means for improving concentration of the electrons adjacent the focus comprising a focusing member with a channel containing a filament member, at least one part of which has a concave curvature centered adjacent the focus, the axis of the curvature being perpendicular to a plane containing the length of the filament.

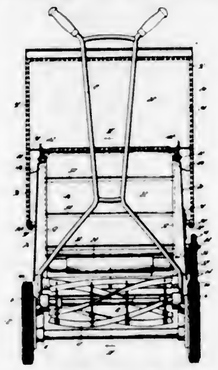
2,597,818
COMMUNICATION SYSTEM
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 9, 1946, Serial No. 668,353
8 Claims. (Cl. 250—6)



1. In a radio communication system providing two-way communication between at least two mobile stations and also between the mobile stations and a plurality of fixed way stations on the same carrier frequency, radio transmitting and receiving means at each of said stations, each of said receiving means at said mobile stations being normally in a condition to receive radio carrier signals and also capable of reproducing

a message imposed upon such a carrier signal, but each of said receiving means at said way stations being normally in condition to receive radio carrier signals although being ineffective to reproduce any message, a tone generator at each of said mobile stations associated with the radio transmitting means at that station, check pulse means at one of said mobile stations for automatically rendering its transmitting means active and its receiving means ineffective at spaced intervals to cause the transmission of spaced check pulse signals, means including a carrier responsive relay at said one mobile station for rendering the associated check pulse means ineffective at that station upon the reception of a radio carrier signal from any mobile or fixed station, indication means at the other mobile station maintained inactive only upon the continued reception of said spaced check pulse signals by its associated radio receiving means, manually operable means at each station effective when actuated to render the associated receiving means ineffective and the associated transmitting means active to send out a radio carrier signal, said manually operable means at each of said mobile stations being distinctively operable to at times render its associated tone generator effective to superimpose a tone frequency on the radio carrier signal being sent out by its associated radio transmitting means, and tone responsive means at the way station distinctively responsive only to the reception of a radio carrier signal having imposed thereon said tone frequency for allowing any message imposed upon such carrier signal to be effectively reproduced, whereby the check pulse signals transmitted by said one mobile station and the transmission of radio messages between said mobile stations in either direction are not effectively received at the way station.

2,597,819
GRASS ELEVATOR AND CONTAINER ATTACHMENT FOR LAWN MOWERS
Laurence R. Provost, Shawnee, Kans.
Application September 29, 1948, Serial No. 51,791
6 Claims. (Cl. 56—199)

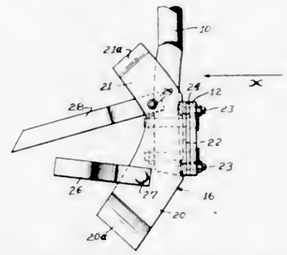


1. The combination, with a lawn mower having a frame supported by ground-engaging wheels and adapted to expel cuttings upwardly and rearwardly therefrom, of a grass catcher including a conveyor assembly comprising a pair of spaced apart side walls attached to said frame and extending rearwardly therefrom, an endless conveyor belt carried between said side walls and having an upper reach adapted to move upwardly and rearwardly, an open-topped receptacle carried by said side walls and having the top opening thereof disposed substantially beneath the rearward end of said upper belt reach, and means carried by said side walls for operatively interconnecting said conveyor belt with one of said ground-engaging wheels, whereby said belt is driven to elevate and deposit in said receptacle cuttings deposited thereon by said lawn mower.

2,597,820
PROCESS FOR OBTAINING COLORED COPIES OF CINEMATOGRAPHIC FILMS
Daniel Aragonés Puig, Barcelona, Spain
No Drawing. Application January 25, 1949, Serial No. 72,765. In Spain January 30, 1948
1 Claim. (Cl. 95—2)

A method of obtaining two colour copies in one layer of a silver halide emulsion performed on film, comprising treating the film with tartrazine, printing the blue recording negative on one face of said layer, developing the printed first image, iron toning the same with ferricyanid bath, treating firstly with aqueous sodium thiosulphate of such strength that it will fix the silver ferrocyanide without affecting the silver halide, treating secondly with sodium sulphite, treating for a second time the film with tartrazine, printing the red recording negative on the other face of said layer, developing the printed second image, fixing said image, treating said fixed image with a mordant, and coloring the same.

2,597,821
EARTHWORKING ATTACHMENT FOR CULTIVATORS
James Walter Rowan, Bakersfield, Calif.
Application February 3, 1947, Serial No. 725,988
3 Claims. (Cl. 97—206)

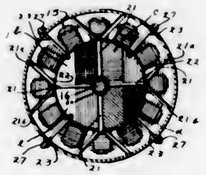


1. An earth working attachment for cultivators, comprising an elongated, flat, relatively thin, metal plate formed to provide forwardly divergent blades, each of a different length and width and having the free ends squared and sharpened to provide cutting edges, the rear edge of said plate being straight, a flange bent at right angles from said straight edge, and a second earth working element angularly offset from each of said blades and projecting forwardly therefrom, said elements acting to break the earth crust on both sides of the line of break made by the blade on which it is mounted.

2,597,822
SHUTTER FOR INTERNAL-COMBUSTION ENGINES
Joseph Rozen, Wichita, Kans.
Application July 29, 1947, Serial No. 764,364
2 Claims. (Cl. 257—132)

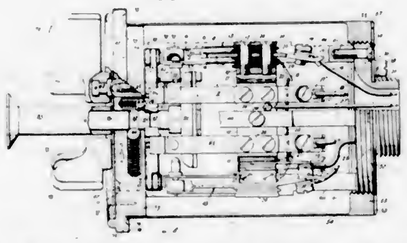
1. In a protective and temperature controlling device for internal combustion engines, said en-

gine having a housing therefor and an opening in said housing for the passage of air therethrough for engine cooling purposes, a shutter holder frame, said frame comprising a central frame ring, an intermediate frame ring and an outer frame ring, said central and intermediate frame rings being joined together by radially extending channeled elements that radiate from the central ring to the intermediate ring, pairs of channeled elements, said pairs of channeled elements connecting between the outer ends of the said radially positioned channeled elements and being in a V-shaped position between the said intermediate and outer frame rings, each channeled leg of the V-shape being in parallelism with



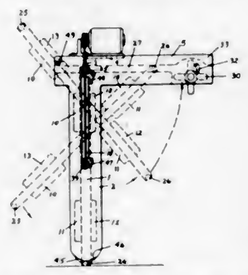
the next successive channel element of the next successive V-shape channeled frames, the said intermediate frame ring being positioned around the opening in said housing and the V-shaped channeled elements extending outwardly behind the said housing and from the edge of said opening to the outer ring in the housing, a plurality of V-shaped flat plates, said V-shaped flat plates being slidable radially between the said pairs of parallel channeled elements and being receivable in the radially positioned channeled elements when the V-shaped flat plates are in their closed position, and means for radially moving said V-shaped flat plates independently of one another to and from their closed, partially opened and full open positions.

2,597,823
MULTIPLE SWITCH
Maurice A. Rudd, North Plainfield, N. J., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application August 29, 1945, Serial No. 613,318
12 Claims. (Cl. 200—4)



8. In an electrical switch assembly, a front panel, an operating handle having a shaft journalled in said panel, a member having a peripheral cam surface and secured to the inner end of said shaft for angular movement therewith, means for yieldably holding said cam member in predetermined angular positions, a lever pivotally mounted on the inner face of said panel with the free end thereof in sliding engagement with said peripheral cam surface, support means secured to said panel and extending rearwardly therefrom, switch means mounted on said support comprising a switch element, a first leaf spring contact at one side of said element and a second leaf spring contact at the other side of said element, said contacts and element being anchored by common means to said support and insulated from one another at the ends thereof remote from said panel, and said first contact being biased to normally engage said element at its free end, insulating spacer means interposed between the free ends of said contacts to prevent simultaneous engagement thereof with said element, the free end of said second spring contact being biased into engagement with said lever at the free end thereof so as to yieldably press said lever into continuous engagement with said peripheral cam surface, the latter being adapted upon angular movement by said handle to move said second contact into engagement with said element and said first contact out of engagement with said element.

2,597,824
GARAGE DOOR
Paul R. Schreiber, Akron, Ohio
Application July 14, 1947, Serial No. 760,733
6 Claims. (Cl. 20—16)

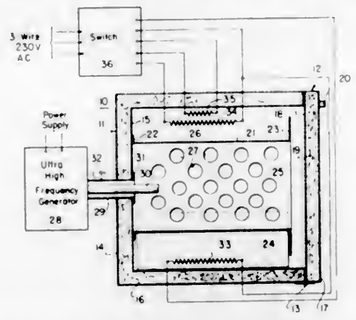


1. A door for a garage or the like located inside a door opening, supporting means for the door projecting laterally from the middle of each side edge of the door and pivotally held by means for raising and lowering the door, which latter means is in the opening, a track at each side edge of the door extending from the middle of the door in a generally upward direction to guide said supporting means as the door is raised and lowered, a substantially horizontal track at each upper corner of the opening and perpendicular thereto, means projecting laterally from the four corners of the door adapted to be engaged from time to time by said last mentioned track and guided thereby, one-way locking means at the end of said track farthest from the opening which permits said laterally projecting means to enter this end of the track, but prevents their leaving this end end of the track, and additional guide means outside the door above said last mentioned track adapted to project laterally over the edges of the door and contact its inner surface when the bottom of the door is pushed in and swings the top of the door out around said supporting means when the door is being raised.

2,597,825
COMBINATION ELECTRIC AND ULTRAHIGH-FREQUENCY HEATING APPARATUS
George W. Schroeder, McHenry, Ill., assignor to Hotpoint Inc., a corporation of New York
Application July 20, 1948, Serial No. 39,781
14 Claims. (Cl. 219—47)

1. Heating apparatus comprising a heat insulated casing, walls arranged within said casing

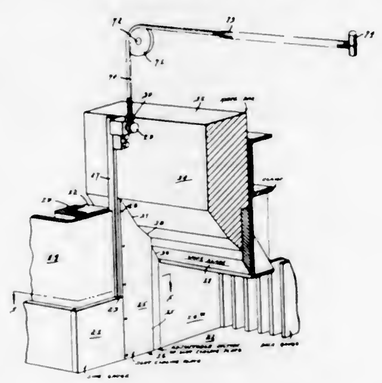
and formed of electrically conducting material and defining a cavity therein, means including an electric heating unit arranged between said



casing and said walls and exteriorly of said cavity for heating said walls and consequently said cavity, and means for producing ultra-high frequency electric and magnetic fields in said cavity

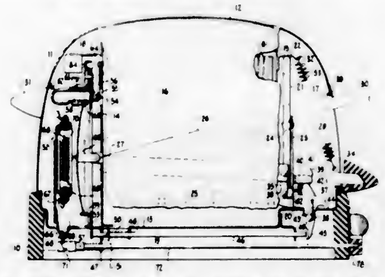
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2,597,826
CUTTING KNIFE SLOT CLOSING PLATE
Frederick W. Seybold, Westfield, N. J., assignor to E. P. Lawson Co. Inc., New York, N. Y., a corporation of New York
Application December 2, 1948, Serial No. 63,000
2 Claims. (Cl. 164—53)



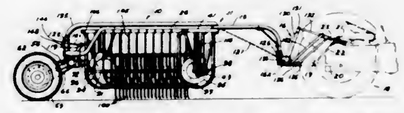
1. In a guillotine type paper cutter having a frame and a vertically reciprocable knife, said knife having a lateral movement toward and away from one side of the frame during its reciprocation and a slot in said side of the frame receiving and guiding the knife for vertical and lateral movement thereof; a slot closing plate vertically slidable in said slot and having a surface coplanar with the portions of the frame defining the slot; said plate being downwardly movable by the knife during downward movement of the knife; and resilient means retaining said plate against the lower end of said knife to close said slot continuously, said means comprising an upwardly directed extension of said plate; a tension spring connected at one end to said extension and at the other end to a stationary portion of the frame.

2,597,827
ELECTRIC TOASTER
Eugene L. Snyder and Warren A. Humphrey, Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 31, 1947, Serial No. 725,556
9 Claims. (Cl. 99—329)



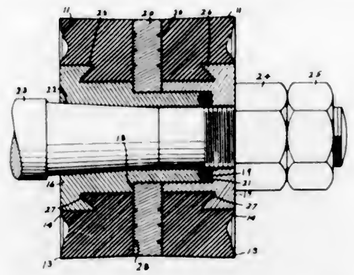
1. A toaster comprising; bread carriers spring-biased to bread receiving position; a latch cooperating with said carriers and operable to latch them in toasting position; said latch being spring-biased to latching position; a reciprocable actuating rod movable in one direction to release said latch and being spring-biased in the opposite direction; a snap-acting pivoted thermal timer including a bimetallic strip movable from one bowed stable position to another upon being heated and back to its first position upon cooling; said timer being biased by the action of said bimetallic strip hold said actuating rod against said latch in a direction tending to release said latch when said strip is cold, to snap in its opposite bowed position when said strip is hot and allow said rod to move away from said latch and to snap back to its original position when cooled to forcibly press said rod against said latch to release the same; means actuated by movement of said carriers to toasting position for heating said strip and means actuated by movement of said timer away from said latch for discontinuing the heating of said strip.

2,597,828
TWIN REEL SIDE DELIVERY RAKE
William G. Spurlin, Dearborn, Mich., assignor to Harry Ferguson, Inc., Dearborn, Mich., a corporation of Delaware
Application February 5, 1947, Serial No. 726,475
10 Claims. (Cl. 56—377)



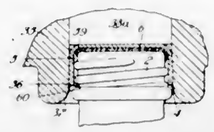
1. For use with a tractor having a power elevated draft link and means shiftable with respect to said draft link as an incident to the elevation thereof, an implement comprising a frame having a hitch at its forward end for connection to the tractor draft link, ground-engaging means to support the rear end of the implement including a rearwardly extending arm pivoted at said rear end for movement in a vertical plane and having a ground wheel rotatably mounted thereon, means including a bell crank for positioning said arm, and means connecting said shiftable means to said bell crank to cause a change in the level of the rear end of the implement upon elevation of the tractor draft link.

2,597,829
PISTON
Crawford K. Stillwagon, Houston, Tex.
Application January 27, 1947, Serial No. 724,618
1 Claim. (Cl. 309—4)



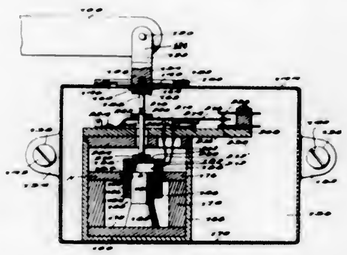
A piston comprising, an annular separator plate having a plurality of annular end grooves spaced apart in its end faces, hub sections on opposite sides of, and abutting, said plate and having external, annular, overhanging shoulders, similar, interchangeable resilient packing rings around said respective hub sections and whose inner ends are formed with plane faces which abut said plate, said packing rings having internal, annular, overhanging shoulders which interlock with the hub shoulders.

2,597,830
METHOD OF APPLYING THERMOPLASTIC CLOSURES TO BOTTLES AND OTHER CONTAINERS
Edward Thomas Webb, Iver, England, assignor to Metal Closures Limited, West Bromwich, England
Application November 6, 1947, Serial No. 784,452
In Great Britain November 7, 1946
3 Claims. (Cl. 226—84)



1. A method of making an interrupted screw-thread fitting engagement between a container mouth having a continuous external screw-thread and a thermoplastic cap having a top portion and a cylindrical skirt formed locally of increased thickness by ribbing projecting from the interior surface of the skirt, comprising pressing the said top portion of the said cap, preheated to render it suitably plastic, onto the rim of the container mouth and then applying a pressure contact around the exterior periphery of the skirt and progressively advancing such pressure contact axially downward over said skirt to force the skirt ribbing, without bending the skirt, onto said container screwthread and cause a local displacement of the plastic material of the ribbing where it engages the container screwthread thereby producing in the ribbing, concave depressions which constitute the counterpart of the container thread in interrupted form of which there is no visible indication on the exterior of the skirt.

2,597,831
AUTOMATIC WEIGHING DEVICE FOR THE FEEDBOX OF CARDING MACHINES
Grant N. Willis, East Bristol, Conn., assignor to Arthur G. Russell Company, Incorporated, Forestville, Conn., a corporation of Connecticut
Application March 4, 1947, Serial No. 732,323
9 Claims. (Cl. 249—4)



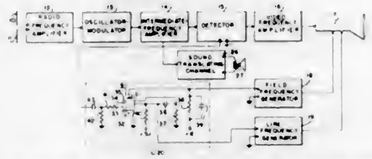
8. In an automatic weighing machine for maintaining a predetermined average weight for a plurality of quantities of material weighed by a plurality of successive weighing operations, the combination of material receiving means, balance weighing means supporting said material receiving means, means for feeding material to said material receiving means, balance control means operated by the unbalance of said weighing means to sense the amount of unbalance existing at the end of said first weighing operation, means for applying to said weighing means during the next operation a bias which unbalances said weighing means in a direction opposite to and by an amount equal to the amount sensed by said balance control means, and means under the control of said weighing means for terminating operation of said feeding means during each weighing operation when the weight of material fed to said material receiving means moves said weighing means to a predetermined position.

2,597,832
EXPANDING FISHHOOK ASSEMBLY
Charles H. Wolf, Kansas City, Mo.
Application April 22, 1946, Serial No. 664,054
2 Claims. (Cl. 43—37)



2. A fish hook assembly in the nature of a lure and comprising a hollow body; a pair of fish hooks pivotally mounted in said body for swinging movement to and from a position within said body; an elongated shank slidably mounted in said body for movement in a plane intersecting a plane through the pivotal axes of said hooks; a link for each hook respectively; means common to said links for pivotally joining the same to one end of said shank, said links each having a closed loop pivotally connected to a respective hook intermediate the ends of the latter; and interlocking means on the shank and the body respectively for yieldably holding the shank in a position where the hooks are disposed entirely within the body, said hooks each being rebent upon themselves to present an integral loop coiled through corresponding loops of said links.

2,597,833
PULSE-SIGNAL TRANSLATING ARRANGEMENT
John Thomas Yates and Ian Norman Vaughan-Jones, Hollinwood, England, assignors to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application October 23, 1948, Serial No. 56,142
In Great Britain November 8, 1947
8 Claims. (Cl. 250—27)

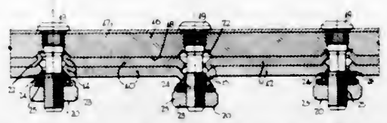


1. A pulse-signal translating arrangement for translating a signal of pulse wave form having pulse durations of two values comprising: a univibrator having stable and unstable operating conditions and including an input circuit arranged to have said signal applied thereto; and a control circuit coupled to said input circuit and proportioned to maintain said univibrator in a stable de-energized operating condition in the intervals between the pulses of said signal but to cause said univibrator to initiate operation in said unstable operating condition upon the occurrence of each pulse of said signal; said univibrator including two output circuits in which the voltages thereof vary in opposite senses with changes from one of said operating conditions to the other, one of said output circuits including a time-constant circuit so proportioned and arranged as to maintain said univibrator in said unstable operating condition for an interval longer than the shorter-duration pulses of said signal but shorter than the longer-duration pulses thereof before permitting said univibrator to return to said stable operating condition, whereby said univibrator translates a signal representative of said signal to develop said shorter-duration pulses primarily only in one of said output circuits and to develop said longer-duration pulses primarily in the other of said output circuits.

2,597,834
SULFONATED PHENYL ALKANE DETERGENTS AND PROCESS OF PRODUCING SAME
William H. Claussen, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 18, 1947, Serial No. 780,751
7 Claims. (Cl. 260—505)

1. A process for preparation of a sulfonated phenyl alkane detergent, which comprises subjecting a cracked petroleum oil fraction boiling under normal pressure between 300° F. and 600° F. to silica gel adsorption treatment by passing said fraction through a column of silica gel, rejecting from a fraction selected for further treatment the portion passing from the silica gel adsorption having zero bromine number and also rejecting from the fraction selected for further treatment the portion passing from the silica gel adsorbent obtained after the bromine number has passed the maximum value on treatment, alkylating benzene with the fraction so selected to form a phenyl alkane, and sulfonating said phenyl alkane.

2,597,835
WHEEL MOUNTING
Carolus L. Eksergian, Media, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 7, 1947, Serial No. 778,390
2 Claims. (Cl. 301—9)

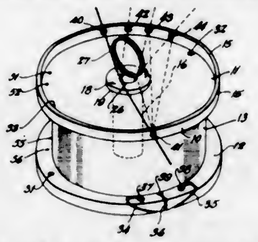


1. In a wheel, a hub having a body and a radially extending bolting-on flange and wheel-securing studs arranged in an annular series secured to said flange and projecting from the outboard face thereof, re-entrant recesses formed in the outboard face of said flange and surrounding at least the alternate ones of said studs, a wheel body having a radially extending mounting portion provided with an annular series of holes corresponding to the series of studs and each hole being adapted to receive a respective securing stud with substantial clearance all around, said mounting portion having alternately in- and out-coined bosses surrounding the respective holes with the in-coined bosses nesting within the re-entrant recesses in the hub flange to center the wheel body on the hub and effect a driving engagement between the wheel body and the hub, and a series of nuts having screw-threaded engagement with the respective studs and adapted to bear against the outboard face of said mounting portion through re-entrant seats on said face to clamp it against the outboard face of said hub flange with the in-coined bosses in nesting engagement with their respective recesses when said nuts are drawn up on said studs, the nuts engaging the respective re-entrant seats through washers received over the studs with substantial clearance to allow appreciable transverse movement with respect thereto and having on the one side protuberances nesting with the respective re-entrant seats on the wheel body and on the other side a flat-faced engagement permitting appreciable movement in a transaxial plane with relation to the respective nuts, whereby the washers may adjust themselves angularly with respect to the wheel body and the nuts and washers are free to float laterally with respect to each other and thereby avoid subjecting the studs, regardless of their alignment with the respective wheel holes, to bending stresses during the drawing up of the nuts on the studs and in the operation of the wheel.

2,597,836
FISHING BOBBER
August H. D. Klie, Staten Island, N. Y.
Application June 24, 1948, Serial No. 35,029
7 Claims. (Cl. 43—44.95)

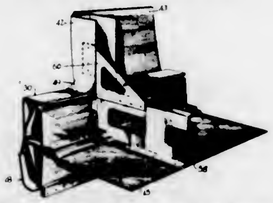
5. A bobber comprising a buoyant bobbin having a bore therethru, a coil spring positioned within said bore, a helical wire line-catch held against one end of the bobbin by one end of said coil-spring, a clip resiliently held against the other end of the bobbin by the other end of the coil-spring and forming with said other side a line-clip, flanges on said bobbin, a second helical wire line-catch disposed on the outside of the flange at said other end of the bobbin, holes thru the last-mentioned flange adjacent to the ends of the second-mentioned helix, and holes in the

other flange generally opposite the aforesaid holes, the ends of the wire which form said second-mentioned helix each running therefrom thru one of the holes in the first-mentioned flange



and one of the holes in the second-mentioned flange and being bent over beyond the latter one of said holes to hold the second-mentioned helix in place.

2,597,837
OPEN AUTOMOBILE BODY
Alexander R. Lindsay, Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 3, 1949, Serial No. 96,911
5 Claims. (Cl. 296—28)

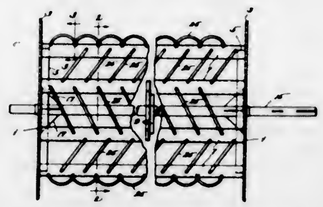


1. A self-supporting automobile body designed for direct support by the running gear, of the type having side walls with door posts along door openings, being free of an upper chord structure—such as a roof—interconnecting the upper ends of the door posts, and having a floor panel structurally connected to the side walls and to side sills and cross members, said side sills projecting downwardly from said floor panel and designed for a body having above door openings in the side wall an upper chord structure such as in the form of a permanent rigid roof; said sills being provided, for use in open-type bodies free of such upper chord structure, on each side with an auxiliary hollow-section sill structure secured on top of said first-named sill structure and projecting a substantial distance upwardly beyond said floor panel, said auxiliary sill structures extending across the door openings and therebeyond and being structurally connected with the lower ends of the door posts.

2,597,838
LUBRICANT CONTAINING SELENIUM COMPOUNDS
Warren Lowe, William T. Stewart, and James O. Clayton, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 9, 1949, Serial No. 103,937
9 Claims. (Cl. 252—47)

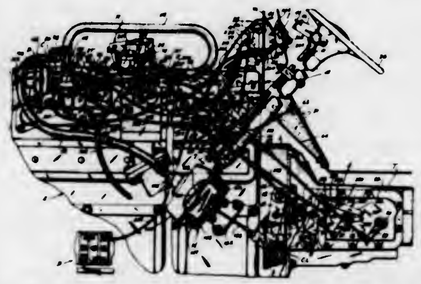
1. A lubricant consisting essentially of a major portion of a selenium-containing lubricating oil composition corrosive to silver, and a small amount, sufficient substantially to inhibit the formation of silver selenide resulting from the selenium attack on silver, of a 2-mercapto-thiazine wherein not more than four of the ring carbons contain aliphatic groups each of which has not more than 4 carbon atoms.

2,597,839
REEL
Frank B. Morrill and Donald S. Warner, North Adams, Mass.
Application June 19, 1947, Serial No. 755,808
12 Claims. (Cl. 28—71.5)



1. A reel for propelling cloth having in combination spaced heads, means non-rotatably fixed in and rigidly connecting the heads, and humps on such means extending obliquely around the reel.

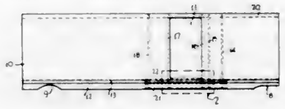
2,597,840
AUTOMOTIVE POWER-TRANSMITTING SYSTEM AND MECHANISM
Glenn T. Randol, Detroit, Mich.
Application September 29, 1945, Serial No. 619,365
35 Claims. (Cl. 192—.052)



1. In a vehicular drive system including a torque-producing internal-combustion engine having an accelerator mechanism and a clutch provided with friction elements relatively movable into and out of engaging contact for transmitting torque from the engine to an associated variable gear ratio transmission; the improvements which comprise a power device operably connected to one of the movable elements of the clutch, control mechanism for said power device including a connection with the accelerator mechanism for causing the power device to be energized and disengage the clutch when the accelerator mechanism is released, means responsive to the degree of energization of the power device, and means controlled by said last-named means and the actuation of the accelerator mechanism from released condition for controlling the rate of re-engagement of the clutch to a predetermined point in the relative movement of its movable elements during re-engagement, and means controlled by said responsive means independently of movement of the accelerator mechanism for controlling the rate of re-engagement of the movable clutch elements after said predetermined point is reached.

2,597,841
FRAME CONSTRUCTION AROUND OPENINGS OF TRAILERS AND OTHER VEHICLES AND STRUCTURES
Edmund T. Ridgway, Oaklyn, N. J., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 9, 1949, Serial No. 86,564
8 Claims. (Cl. 296—29)

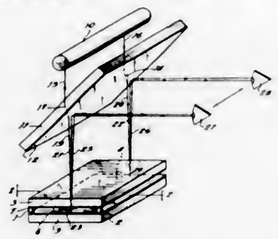
1. In a vehicle body, a stress transmitting wall structure surrounding a multi-corner opening, an elongated member arranged in line with one of the margins and adjoining one of the corners of the opening, and structural connections between said wall structure and said member distributed over the length of the latter to the permanent exclusion of a substantial part of said length at and adjacent said corner, said part being, in case of a plurality of about equally spaced individual connections, several times the spacing between such connections.



ABSTRACTS OF APPLICATIONS

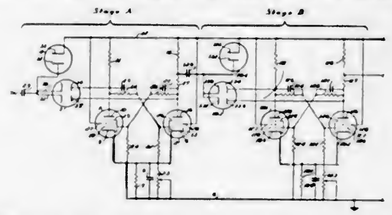
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

531,602. **METHOD AND APPARATUS FOR COMPARING LINEAR DIMENSIONS.** Thomas J. O'Donnell, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed Apr. 18, 1944. Published May 20, 1952. Class 88—14. 2 sheets of drawings. 17 pages of specification.



A device for comparing linear dimensions by interference of light waves is shown in Figure 1. The apparatus used is simplified and comprises two optically plane or flat reflectors **3** and **5**, a monochromatic light source **10** substantially normal to the reflectors, and an optical plane **11** between the reflectors and source. The reflector **3** is highly reflective, there being a reflecting film **6** on the side facing the reflector **5**. The reflector **5** is only partially reflecting and has a reflecting film **7** facing the film **6**. The plate **11** is also partially reflecting and is transparent to only 50 per cent of the incident light from the source **10**. Two spheres **1** and **2** are disposed between the reflectors **3** and **5** substantially as shown. These spheres are standards, their diameters being as identical as possible within a fraction of a wavelength of light. Spaced from the spheres **1** and **2** and between the reflectors is a third sphere **4** the diameter of which is to be compared with that of the spheres **1** and **2**. After passing through the plate **11**, the light follows the lines **19** and **20** through the reflector **5** to the reflecting film **6** on reflector **3**. It then returns over the lines **21** and **22** to the lower side of the plate **11** from which it is evident to an observer at or between positions **27** and **28**. Actually the lines **19** and **20** coincide with lines **21** and **22**, respectively, but for purposes of illustration they are shown separately. Part of the light, however, does not pass through the film **7** of plate **5** to film **6**, but is reflected by film **7** to the plate **11** via lines **25** and **26** and thence to the observer at **27** or **28**. With the eye focused at infinity the observer at **27** will see circular interference fringes (similar to a bull's eye having a white center). If the diameter of the sphere **4** is equal to those of spheres **1** and **2**, so that the films **6** and **7** are absolutely parallel, the observer moving his eye from **27** to **28** will witness no change in the interference pattern. However, if the diameter of the sphere **4** differs by so much as ½ wave-length of light greater or less than the common diameter of spheres **1** and **2**, the observer will see the fringes change (to a bull's eye having a black center) as the eye is moved from position **27** to **28**. There may be one or more such changes between said positions. The sum of the number of changes determines the difference between the sphere **4** and the common diameter of the spheres **1** and **2**.

610,649. **SCALING CIRCUIT.** Matthew L. Sands, Oxford, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filed Aug. 13, 1945. Published May 20, 1952. Class 250—27. 1 sheet of drawings. 18 pages of specification.



This disclosure relates to an improved isolation and coupling circuit for insertion between Eccles-Jordan or scale of two stages, or a source of impulses and an Eccles-Jordan stage.

Referring to the drawing, the cross-coupled flip-flop tubes **1** and **2** are selected for description purposes. The input impulse connections to the scale of two circuit are through the anode to grid cross coupling networks and the terminals for the same can be considered to be at the anodes themselves. The anodes of the tubes of the scale of two circuit are isolated from each other and from the source of impulses by a pair of diodes in tube **3**. The diode anodes **34** and **35** are connected to the flip-flop tube anodes **10** and **16**, respectively. The diode cathodes are connected together and to an input coupling condenser **29**, and also to the anode of the unloading diode **4**. The cathode of the unloading diode is connected to the common source of positive anode potential.

It is apparent that only the anode of the non-conducting tube of the scale of two circuit is coupled to the source of impulses, and this is true only during the presence of negative input impulses. The diode **4** not only acts to remove the positive charge which accumulates on the coupling diode cathodes, but also isolates the counter circuits from input positive impulses by short-circuiting such impulses.

626,503. **DE-ICING MEANS.** Richard B. Park, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware. Filed Nov. 3, 1945. Published May 20, 1952. Class 244—134. 1 sheet of drawings. 6 pages of specification.

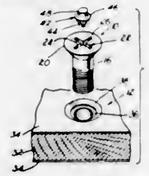
In order to remove ice accretions on airfoils of conventional and rotary wing aircraft a heater strip **14** is provided at the leading edge of the

airfoil. Heating wires **28** are embedded in the heater strip and are concentrated at the leading edge. A paint-like coating **42** is applied to the major surfaces of the airfoil and extended over the heater strip. When ice forms on the airfoil it will conform to the shape of the airfoil and assume the shape of a U and when heat is applied to the leading edge of the airfoil the bend of the



U which is at the leading edge is melted. Subsequently the air pressure will remove the separate halves of the U on the upper and lower surfaces of the airfoil respectively since the coating **42** offers little sliding resistance to the ice. The combination of the heater strip and the adhesion reducing coating makes possible a much smaller expenditure of electricity.

628,044. **METHOD AND MEANS FOR FAIRING SCREW FASTENERS.** Samuel K. Hodgson, Devon, Conn., assignor to United Aircraft Corp., East Hartford, Conn., a corporation of Delaware. Filed Nov. 13, 1945. Published May 20, 1952. Class 29—148. 1 sheet of drawings. 7 pages of specification.



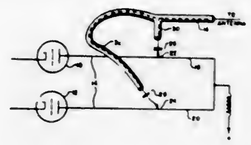
This application relates to a method and pellet blank for fairing the depressions in screw heads.

The method of fairing the axial turning depression in a screw fastener having a transverse turning slot to decrease parasitic drag in aircraft construction which comprises undercutting to form a bulbous cavity at the base of the depression, inserting one end of a pellet of soft ductile material into the depression which conforms to said slot, applying pressure to a protruding end of said pellet to cause the material of said pellet to flow into and occupy said cavity, and removing the protruding end of said pellet flush with the top surface of said head.

A soft metal pellet adapted to be driven into an undercut transverse turning slot in a screw fastener comprising, a transverse tip portion having transverse ridges which conform substantially to the transverse slot in the screw head prior to undercutting the slot, said pellet having an annular shoulder which is substantially flush with the top of the screw head when the pellet is seated in the slot, and an axial driving stem portion of smaller diameter than said shoulder upstanding above the top of the latter, said pellet being formed of such soft and ductile metal as to flow into and fill the slot under the impact of a blow struck on said stem portion.

657,139. **WIDE BAND COUPLING SYSTEM FOR RADIO FREQUENCY ENERGY.** John T. Wilner, Elizabeth, N. J., assignor to the Government of the United States of America as represented by the Secretary of War. Filed Mar. 26, 1946. Published May 20, 1952. Class 178—44. 1 sheet of drawings. 5 pages of specification.

The device disclosed comprises an arrangement for an output coupling circuit of a transmitter providing substantially constant output power with substantial variations in frequency and without necessity for retuning the oscillator to keep it on frequency.



In the arrangements shown, the tank circuit of the oscillator, which comprises a pair of push-pull arranged oscillation generators **10**, **12**, may comprise a lecher wire tank circuit **14**. The coaxial transmission line **16** leading to the antenna (not shown) is coupled to opposite sides **18**, **20** of the tank circuit through direct, slidable contacts or connections **22**, **24**, series capacitances **26**, **28** being used to isolate the direct current voltage of the tank circuit, and coaxial cables **30**, **32**. By making the cable **32** approximately one-half wavelength longer than cable **30** for the center frequency of the system, the output transmitted over the cables **30**, **32** to the transmission line will be combined 180 degrees out of phase at the transmission line **16**. The limiting factor of the bandwidth of the arrangement is the one-half wavelength section or cable **32** which becomes more or less of a half wavelength as the frequency changes, hence reflecting reactance to one side of the tank circuit and to that extent unbalancing the circuit.

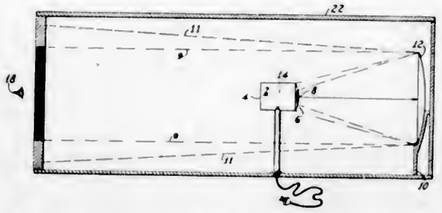
708,421. **METHOD OF PREPARING YARN.** Theodore Rudolph Latour, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware. Filed Nov. 7, 1946. Published May 20, 1952. Class 18—54. 1 sheet of drawings. 33 pages of specification.

This application relates to a method of preparing high tenacity rayon yarn having improved flexibility. A dilute caustic alkali solution of the xanthate of a lowly substituted cellulose derivative is extruded into a bath containing a substantial amount of phosphate ions and maintained under such conditions as to precipitate the xanthate of the cellulose derivative rapidly without substantial regeneration of the cellulose derivative. The unregenerated structure is stretched to a very marked degree. The stretched xanthate is then treated to regenerate the cellulose derivative. The product is purified and dried while it is preferably free of substantial tension.

Specifically, a dilute alkali solution of the xanthate of a lowly substituted ether having about 0.03 to about 0.30 mol substitution per glucose unit is extruded into a coagulating aqueous alkali-metal phosphate-containing bath having a pH of 3.0 to 7.0 and containing at least 10% phosphate ions (calculated as trisodium phosphate). The filaments are drawn from the bath at a tension not greater than 0.1 gram per denier, stretched at least 150%, and regenerated to the lowly substituted cellulose ether.

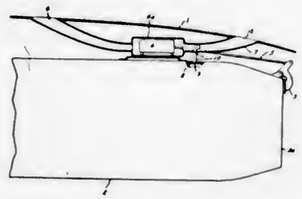
Lowly substituted cellulose derivatives suitable for use in this process include the following cellulose ethers: hydroxyethyl cellulose, carboxymethyl cellulose, carboxyethyl cellulose, cyanoethyl carboxyethyl cellulose, methyl cellulose, ethyl cellulose, benzyl cellulose and cellulose thioglycollate.

102,794. **TESTING DEVICE FOR SPHERICAL MIRRORS.** George M. Daly, West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed July 2, 1949. Published May 20, 1952. Class 88. 1 sheet of drawings. 5 pages of specification.



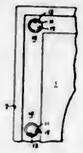
An object 2 comprising a container 4 having a curved glass front 6 enclosing a source of light or lamp 14 is located on the reflecting side of mirror 12 which is held in position by mount 10 such that the principal axes of the curved glass front and the spherical mirror coincide. The curvature of glass front 6 is substantially the same as the curvature of the face of the light source, for example, a cathode ray tube, with which the mirror being tested is normally used. An opaque area 8 is located preferably in the central portion of the glass front 6. Container 4 permits light rays to emanate from the light source 14 to the mirror 12 only through the transparent portion of glass front 6. Object 2, the spherical mirror 12 and mount 10 are enclosed within an opaque hood 22 which has an opening located in the image plane of object 2. The area of the opening is equal to or slightly less than the dark area in the image which corresponds to the centrally located opaque area 8 on the glass front 6. Light rays passing through the transparent portion of glass front 6 are reflected by the mirror and are focused on the inside of the hood around the dark image of the object. The area between the inner lines 9 and the outer lines 11 is illuminated by this reflected light but the area within the inner lines 9 should be totally dark. Any light that is visible to the eye 18 when it is located within the inner lines 9 in the image plane of the object 2 must be caused by reflections of the diffused light from imperfections on the surface of the mirror 12.

104,281. **VARIABLE NOZZLE ACTUATOR COOLING SYSTEMS.** Joseph S. Alford, Nahant, Mass., assignor to General Electric Company, a corporation of New York. Filed July 12, 1949. Published May 20, 1952. Class 60—35.6. 1 sheet of drawings. 6 pages of specification.



This application relates to an arrangement for cooling an actuator 4 employed to variably position moveable elements 3 of a variable propulsion nozzle 2a. Cooling air is induced to flow through an inlet 6 through actuator housing 4a, and is then discharged to the atmosphere through an exhaust passageway 7 by the action of an ejector 10. In order to insure cooling of the actuator at all times during the operation of an aircraft, whether standing still or moving, the ejector is connected to a conduit 2 wherein the pressure is at all times during operation greater than atmospheric pressure.

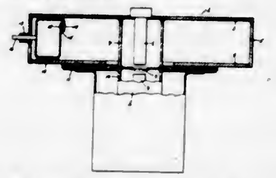
110,957. **FOUNDRY MATCH PLATE PATTERN.** Bertram C. Girardot, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York. Filed Aug. 18, 1949. Published May 20, 1952. Class 22—157. 1 sheet of drawings. 13 pages of specification.



This abstract relates to a wear resistant foundry match plate pattern.

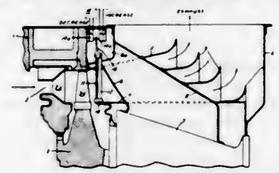
The drawing discloses a foundry match plate pattern 1 having a plurality of insert assemblies 10 arranged along the flask line. These assemblies include a tube 11 formed of resilient material such as rubber and an insert member 12 formed of wear resistant material such as hard fiber. The tube 11 has an unstressed inside diameter smaller than the outside diameter of the insert member 12 and an unstressed outside diameter larger than the inside diameter of the openings 13 in the pattern. To assemble the wear resistant members 12 and the openings 13, the members 12 are inserted in the tubular member formed of resilient material, the tubular member is then stretched to permit insertion in the openings 13, and then released and cut off flush with the surface of the match plate pattern 1. The wear resistant member 12 is then secured in place by the resilient tube member 11 which is held in the compression and deformation between the walls of the openings 13 and the surface of the wear resistant member 12.

112,066. **METHOD AND APPARATUS FOR TUNING CAVITY RESONATORS.** Rudolph A. Dehn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Aug. 24, 1949. Published May 20, 1952. Class 178—44–1E. 1 sheet of drawings. 6 pages of specification.



This application relates to a tuning means advantageously employed in a radial cavity resonator. An inductive loop having its ends capacitively coupled is rotatably positioned in a resonator so that it may link a greater or lesser amount of the magnetic field therein. The loop constitutes, in effect, a series resonant circuit and is tuned by adjusting the spacing between its end portions to vary the capacitance between them, the loop being preferably tuned to the resonant frequency of the cavity resonator in which it is to be installed. By rotating the loop from a position of minimum coupling with the magnetic field in the resonator to a maximum coupling position the resonator frequency is accordingly increased, the tuning range extending over a considerable frequency range due to the large induced current at the resonant and near-resonant frequencies of the loop.

140,315. **TEMPERATURE CHANGE SIGNAL DEVICE.** Donald C. Berkey, Scotia, N. Y., assignor to General Electric Company, a corporation of New York. Filed Jan. 24, 1950. Published May 20, 1952. Class 200—137. 1 sheet of drawings. 18 pages of specification.



This application relates to means for producing a signal proportional to change of temperature in a fluid such as the motive fluid of a gas turbine powerplant. A pair of members of different heat capacity are arranged to receive heat directly from the fluid. Electrical or mechanical means responsive to the temperature difference between the members produce the output signal. In the form shown in Figure 1 of the drawings, two parallel rods 11, 12 of like coefficients of thermal expansion but substantially different mass and surface area are disposed across the fluid path. A change in temperature of the fluid will result in the smaller rod increasing in temperature faster than the larger rod. The resulting differential thermal expansion causes contact lever 13 to actuate the respective switches 14a, 14b. The temperature responsive rods 11, 12 may be made generally similar to the shape of some critical element in the gas turbine powerplant; for instance, the large rod 12 may be of roughly the same mass and shape as the thick leading edge of the bucket 3a, while the smaller rod 11 is generally similar in shape and mass to the thin trailing edge of the bucket. Thus the temperature responsive device will react in a manner generally similar to that of some critical component in the powerplant such as the highly stressed buckets.

163,333. **PERBORATE COMPOSITIONS AND SOLUTIONS.** James H. Young, Niagara Falls, N. Y. Filed May 20, 1950. Published May 20, 1952. Class 252—97. No drawing. 12 pages of specification.

This application discloses a method for increasing the rate at which certain sodium perborate products dissolve in hard water, and compositions comprising such perborate products and water softeners which compositions dissolve rapidly in either hard or soft water.

Young, U. S. Patent 2,491,789, describes sodium perborate products which contain in combined form the equivalent of from 0.53 to 0.97 mole of Na_2O and 0.5 to 2.5 atoms of active oxygen per mole of B_2O_3 and not more than about 2 moles, generally less than 1 mole, of combined water, present as H_2O or H_2O_2, per atom of active oxygen. Preferably, they contain 0.8 to 0.95 mole of Na_2O and 1.8 to 2.2 atoms of active oxygen per mole of B_2O_3.

The disadvantageous property of the above sodium perborate products of dissolving slowly in hard water is overcome by effecting their solution in such waters in the presence of a water softener. The softener may be added previously to the water, or simultaneously with the perborate. Most conveniently, it is added as a mixture with the perborate.

Any of the known commercial water softeners can be used. Included are organic softeners such as "Sequestrene," an ethylene diamine tetra acetic acid water-softener, and the phosphate type softeners generally regarded as water soluble salts of molecularly dehydrated orthophosphoric acid. Examples of the latter type are di and tetra sodium pyrophosphate ($Na_2H_2P_2O_7$ and $Na_4P_2O_7$), sodium tripolyphosphate ($Na_5P_3O_{10}$), sodium tetraphosphate ($Na_6P_4O_{13}$), sodium hexapolyphosphate ($Na_8P_6O_{19}$), and sodium hexametaphosphate ($(NaPO_3)_6$).

Solid mixtures containing a perborate product of the above type and a water softener in the proportion of 0.01 to 1 part of the latter to 1 part of the former, on a weight basis, are useful for many purposes, e. g. in bleaching and laundering operations, where aqueous solutions containing active oxygen are desired. Because of the presence of the water softener, the sodium perborate component dissolves rapidly in either soft or hard water.

Such mixtures can also include other materials the presence of which may be desirable for certain uses. These materials include wetting agents and detergents such as the alkali metal soaps, the alkali metal and other soluble sulfates and sulfonates of aliphatic alcohols and similar salts of sulfonated aralkyl alcohols. Also included are solid water soluble acidic materials, e. g. sodium acid sulfate, boric acid anhydride, and the alkali metal acid orthophosphates. Other materials which may be added are the peroxide resistant fluorescent dyestuffs and buffering materials such as sodium carbonate and bicarbonate and disodium and trisodium orthophosphates. Such materials are best employed in their anhydrous forms. In any such mixture, the combined weight of the perborate and the water softener should equal at least 10% and generally will be at least 50% of the total weight of the mixture.

187,661. **ELECTROSTATIC SPRAYING OF LIQUID COATING COMPOSITIONS.** Paul Robinson, Malvern, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware. Filed Sept. 29, 1950. Published May 20, 1952. Class 117—104. No drawing. 18 pages of specification.

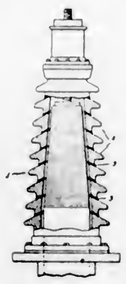
This process involves applying a liquid organic paint, varnish, lacquer, enamel or other liquid organic coating composition on an article to be coated by atomizing and propelling the coating composition from a paint spray gun by means of superheated steam and imparting upon the resulting spray particles an electrical charge, whereby the charged spray particles are attracted to and deposited upon the article to be coated which is at a potential different than that of the spray particles.

The electrostatic portion of the apparatus comprises a discharge electrode consisting of a grid of fine wires and the collecting electrode is the article being coated. It is not essential that the article being coated be electrically conductive; i. e., the article need not be the collecting electrode. Electrodeposition can be caused to occur by interposing a relatively non-conductive article to be coated between the collecting electrode and the source of spray particles.

A wide range of electrical field strengths are disclosed and it is preferred to use an electrical field strength of between 30,000 and 70,000 volts

per each foot of distance between discharge and collecting electrodes. It is also preferred that the spray be formed at a point relatively close to the discharge electrode.

204,514. **MULTIPART INSULATOR.** Eric H. Ball, Rugby, and John E. Stanworth, Sheffield, England, assignors to General Electric Company, a corporation of New York. Filed Jan. 5, 1951. Published May 20, 1952. Class 174—209. 1 sheet of drawings. 9 pages of specification.



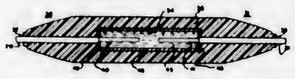
This application discloses an electrical insulator having a plurality of axially-aligned sections of glass or ceramic material which are joined to one another by a soft glass which has a melting temperature lower than that of the ceramic or glass of which the insulator sections are composed. The composition of the joining glass is such that its thermal expansion characteristic and that of the glass or ceramic material to which it is joined are substantially matched from at least zero degrees C. to the softening temperature of the joining glass. The soft glass may be composed of the following constituents within the following ranges of percentage compositions by weight: PbO 70–92; B_2O_3 6–15; BaO and/or ZnO and/or SrO 2–15; and Al_2O_3 and/or TiO_2 and/or SiO_2 0–5. Soft glasses having the constituents just mentioned become sufficiently plastic to flow into contact with the juxtaposed surfaces of the insulator sections at a temperature of about 450 degrees C.

206,902. **FIELD WIRE CONNECTOR.** William W. Hyde, deceased, late of Eatontown, N. J., by James H. Hyde, executor, Mayetta, Kans., assignor to the United States of America as represented by the Secretary of the Army. Filed Jan. 19, 1951. Published May 20, 1952. Class 173—324. 1 sheet of drawings. 6 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

This disclosure relates to an electrical connector for quickly making a connection between ends of insulated conductors.

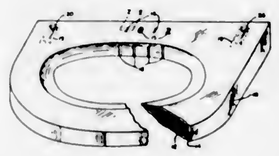
Conductive fluid, such as mercury, is contained in a chamber within an elongated molded insulating body. Ports, slightly smaller than the diameter of the wires to be connected, lead from the chamber to opposite ends of the body. Bared ends of the wires are inserted through the ports into the pool of conductive fluid. Sealing gaskets



should be provided to prevent escape of fluid; such gaskets may be puncturable by inserted wires. Exteriorly, the body is provided with a guard casing and wrapping post, or capstan, about which capstan portions of the insulated wires adjacent the bared ends are wrapped to prevent pull-out under strain.

207,821. **ILLUMINATED DISPLAY OR INDICATING DEVICE.** Bernard Lippel, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Filed Jan. 25, 1951. Published May 20, 1952. Class 40—130. 1 sheet of drawings. 7 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The display panel comprises a light conducting plate **10** of plastic material such as Lucite and the like coated on its surface with a light reflecting paint which in turn is coated with a dull black paint. Indicia as **18**, are engraved upon the surface by cutting through the two paint layers and into the plastic plate and the panel is illuminated by lamps **20** recessed into the plastic plate. Light from the lamps travels through the panel and emerges at the engraved indicia. The white inner coating aids in conducting light through the panel due to surface reflections, and the black outer coating makes the indicia more legible by contrast. The panel may be placed over the end of a cathode ray tube to function as an illuminated scale or may be used as a sign.

DESIGNS

MAY 20, 1952

166,786

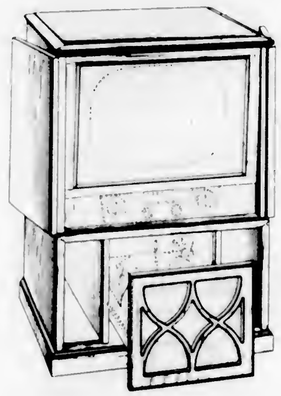
COMBINATION TELEVISION AND RADIO-PHONOGRAPH CABINET

Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware

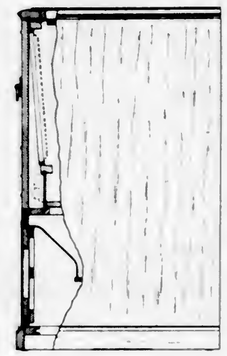
Application January 19, 1952, Serial No. 18,115

Term of patent 14 years

(Cl. D56—4)



166,786—Continued



The ornamental design for a combination television and radio-phonograph cabinet, as shown and described.

166,787

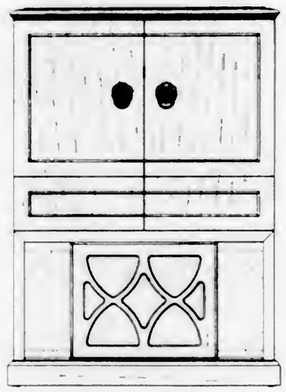
TELEVISION CABINET CONTROL PANEL

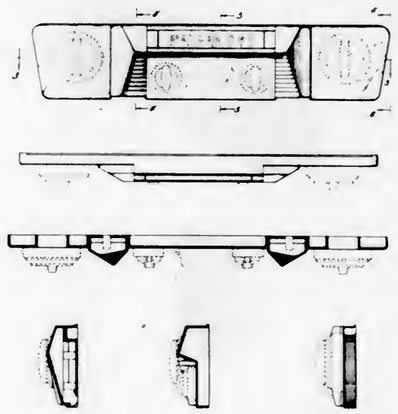
Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware

Application February 9, 1952, Serial No. 18,455

Term of patent 14 years

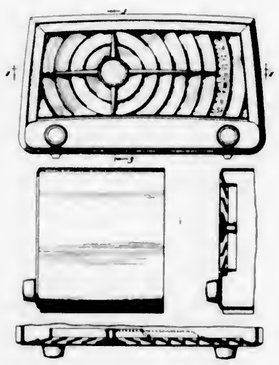
(Cl. D56—4)





The ornamental design for a television cabinet control panel, as shown and described.

166,788
RADIO CABINET
Samuel E. Adler, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application March 19, 1952, Serial No. 18,969
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

166,789
BEDROOM SLIPPER OR SIMILAR ARTICLE
Robert Alpert, Malone, N. Y.
Application August 29, 1951, Serial No. 16,477
Term of patent 14 years
(Cl. D7—7)



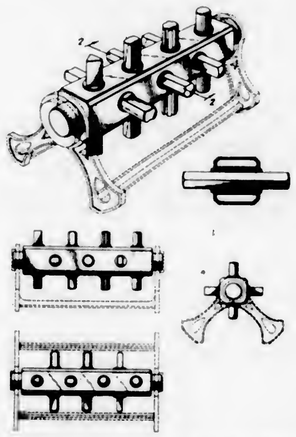
The ornamental design for a bedroom slipper or similar article, as shown and described.

166,790
CANASTA GAME BOARD
Nola H. Bell, Washington, D. C., and Paul C. Rich, Arlington, Va.
Application October 10, 1951, Serial No. 16,896
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a canasta game board, as shown and described.

166,791
EDUCATIONAL TOY
James D. Biever, Philadelphia, Pa., assignor to J. Donald Biever, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 19,1951, Serial No. 17,778
Term of patent 14 years
(Cl. D25—1)



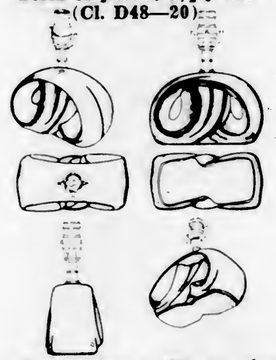
The ornamental design for an educational toy, substantially as shown and described.

166,792
CLOTHES HANGER FOR AUTOMOBILES OR THE LIKE
Harry Bookman and Elof E. Dalton, Los Angeles, Calif.; said Dalton assignor to said Bookman
Application September 29, 1950, Serial No. 12,402
Term of patent 14 years
(Cl. D14—6)



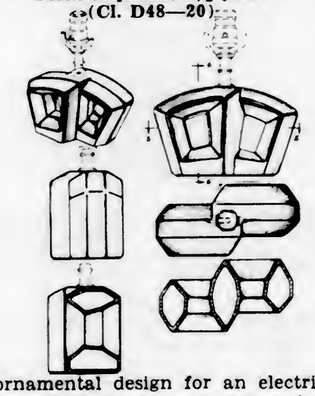
The ornamental design for a clothes hanger for automobiles or the like, substantially as shown and described.

166,793
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill.
Application March 13, 1952, Serial No. 18,874
Term of patent 3½ years
(Cl. D48—20)



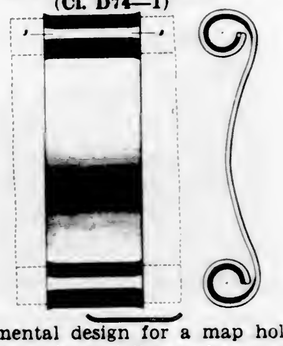
The ornamental design for an electric lamp base, substantially as shown and described.

166,794
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill.
Application March 13, 1952, Serial No. 18,875
Term of patent 3½ years
(Cl. D48—20)



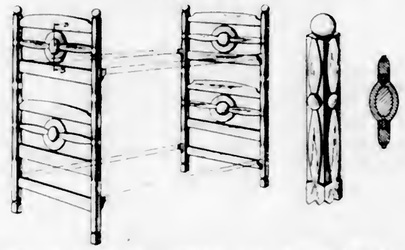
The ornamental design for an electric lamp base, substantially as shown and described.

166,795
MAP HOLDER OR SIMILAR ARTICLE
George C. Bright, Tucson, Ariz.
Application April 29, 1948, Serial No. 146,026
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a map holder or similar article, substantially as shown and described.

166,796
BUNK BED
Allan Brill, Cicero, Ill.
Application February 18, 1952, Serial No. 18,574
Term of patent 14 years
(Cl. D5—4)



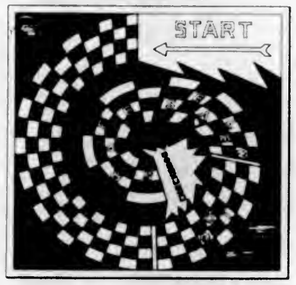
The ornamental design for a bunk bed, as shown and described.

166,797
SHIRT
William J. Buford, Houston, Tex.
Application November 26, 1949, Serial No. 6,273
Term of patent 14 years
(Cl. D3—25)



The ornamental design for a shirt, substantially as shown and described.

166,798
GAME BOARD
Norman F. Butterworth, Utica, N. Y.
Application November 13, 1951, Serial No. 17,365
Term of patent 14 years
(Cl. D34—5)

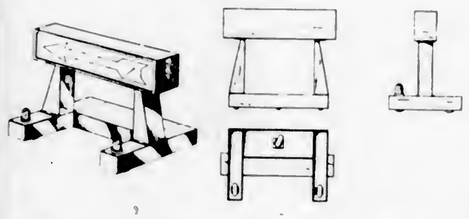


The ornamental design for a game board, as shown and described.

166,799
SHOWCASE
Dave Chapman, Chicago, Ill., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application April 27, 1951, Serial No. 14,992
Term of patent 14 years
(Cl. D80—11)

The ornamental design for a showcase, substantially as shown.

166,800
PORTABLE ILLUMINABLE DIRECTION SIGN
Samuel G. Costas, Fond du Lac, Wis.
Application February 12, 1952, Serial No. 18,497
Term of patent 14 years
(Cl. D72—1)



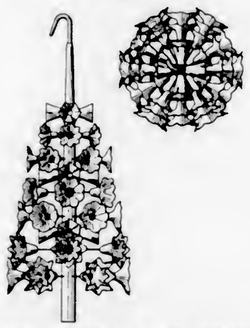
The ornamental design for a portable illuminable direction sign, as shown.

166,801
COMBINATION HOSE AND SLIPPER-SOLE ASSEMBLY
Christopher Davidson, Eaton Rapids, Mich., assignor to John B. Davidson Woolen Mills, Inc., Eaton Rapids, Mich., a corporation of Michigan
Application February 10, 1950, Serial No. 7,859
Term of patent 7 years
(Cl. D47—7)



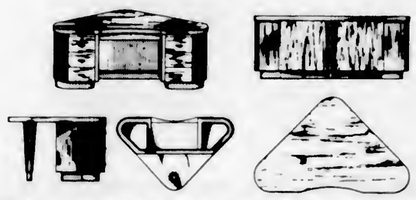
The ornamental design for a combination hose and slipper-sole assembly, substantially as shown and described.

166,802
DECORATIVE CANDLE
Alda Azurdia de Berg, Antigua, Guatemala
Application December 8, 1951, Serial No. 17,673
Term of patent 14 years
(Cl. D73—1)



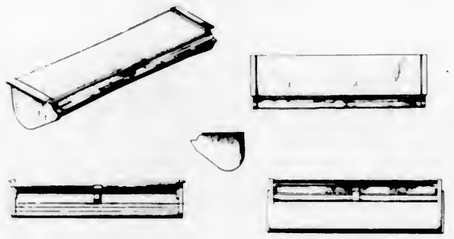
The ornamental design for a decorative candle, substantially as shown.

166,803
DESK
Arthur O. Garrett, San Marino, Calif.
Application February 20, 1950, Serial No. 8,022
Term of patent 14 years
(Cl. D33—7)



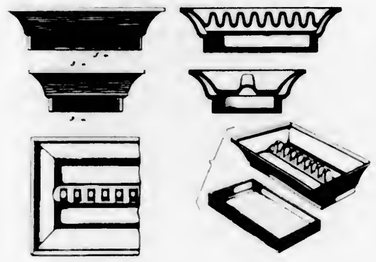
The ornamental design for a desk, as shown.

166,804
WAX PAPER DISPENSER
Peter De Grace, West Gardena, Calif.
Application October 18, 1951, Serial No. 17,013
Term of patent 14 years
(Cl. D4—3)



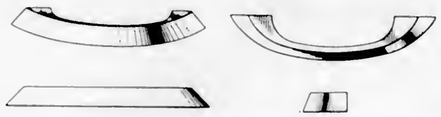
The ornamental design for a wax paper dispenser, substantially as shown.

166,805
COMBINED ASH TRAY AND CIGARETTE CONTAINER
Evelyn G. Donaldson, Denver, Colo.
Application October 15, 1951, Serial No. 16,948
Term of patent 14 years
(Cl. D85—2)



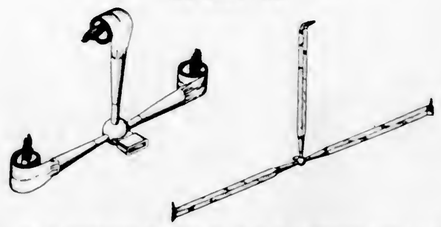
The ornamental design for a combined ash tray and cigarette container, as shown and described.

166,806
DRAWER PULL
James R. Jones, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application May 31, 1950, Serial No. 10,274
Term of patent 14 years
(Cl. D10—8)



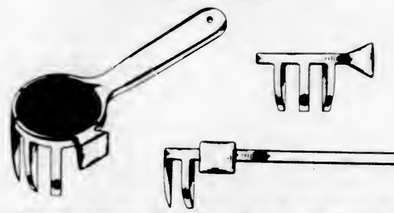
The ornamental design for a drawer pull, as shown.

166,807
BLOWOUT TOY OR THE LIKE
Danny Kaye, Beverly Hills, and Edward Dukoff, North Hollywood, Calif.
Application February 27, 1951, Serial No. 14,327
Term of patent 14 years
(Cl. D34—15)



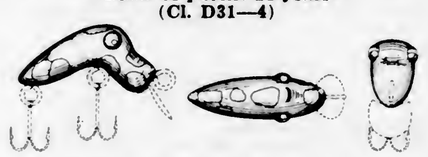
The ornamental design for a blowout toy or the like, substantially as shown and described.

166,808
GARDEN TOOL
Earl J. Kilgore, Kenvir, Ky.
Application March 13, 1952, Serial No. 18,865
Term of patent 14 years
(Cl. D35—2)



The ornamental design for a garden tool, as shown.

166,809
ARTIFICIAL BAIT
William C. Klenk, III, Grosse Pointe, Mich.
Application May 21, 1951, Serial No. 15,264
Term of patent 14 years
(Cl. D31—4)



The ornamental design for an artificial bait, substantially as shown and described.

166,810
CANDY BAR
Clarence M. Kretchmer, Belvedere, Calif.
Application August 27, 1951, Serial No. 16,447
Term of patent 14 years
(Cl. D82—2)



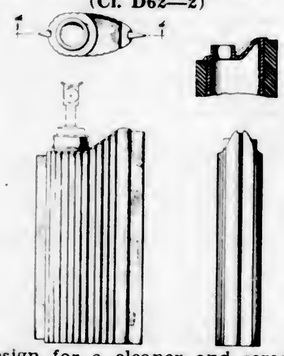
The ornamental design for a candy bar, as shown.

166,811
DEODORANT BLOCK HOLDER
Alfred L. Le Febvre, Windsor, Conn.
Application February 16, 1952, Serial No. 18,549
Term of patent 14 years
(Cl. D16—2)



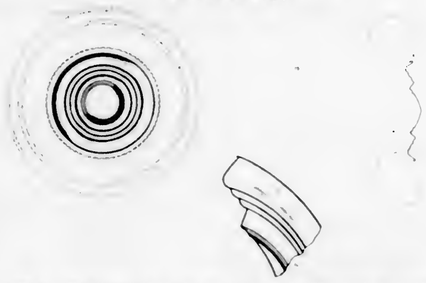
The ornamental design for a deodorant block holder, as shown.

166,812
CLEANER AND SCRAPING UNIT
Samuel Lustbader, Brooklyn, N. Y.
Application August 1, 1951, Serial No. 16,100
Term of patent 3½ years
(Cl. D62—2)



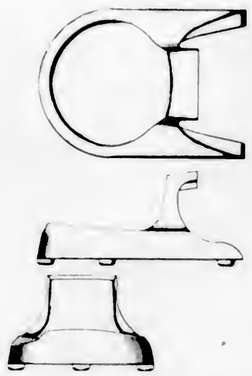
The design for a cleaner and scraping unit, substantially as shown and described.

166,813
WHEEL COVER MEMBER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application December 27, 1951, Serial No. 17,838
Term of patent 14 years
(Cl. D14—30)



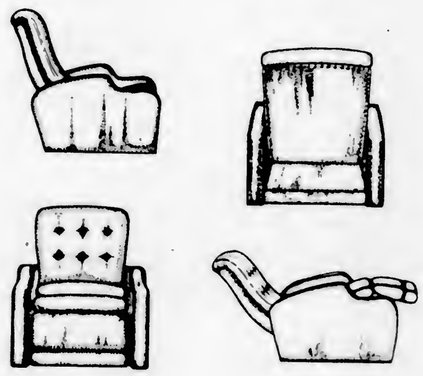
The ornamental design for a wheel cover member or similar article, substantially as shown and described.

166,814
BASE SUPPORT FOR CLAMP TYPE FOOD GRINDER OR SIMILAR ARTICLE
Ralph M. Marcantonio, Easton, Conn.
Application March 22, 1950, Serial No. 8,680
Term of patent 14 years
(Cl. D44—8)



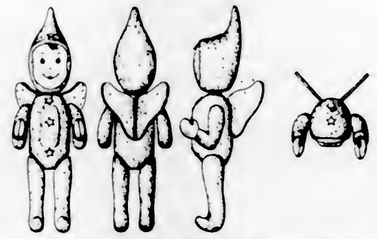
The ornamental design for a base support for clamp type food grinder or similar article, substantially as shown.

166,815
RECLINING CHAIR
Robert A. Maurer, East Palestine, Ohio, assignor to The Kenmar Manufacturing Company, East Palestine, Ohio, a corporation of Ohio
Application February 11, 1952, Serial No. 18,471
Term of patent 14 years
(Cl. D15—8)



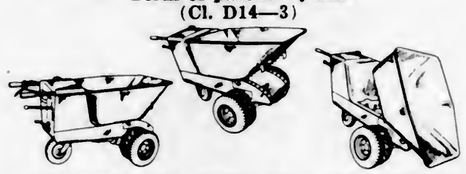
The ornamental design for a reclining chair, as shown.

166,816
DOLL
Isabel I. Mecker, Philadelphia, Pa.
Application December 17, 1951, Serial No. 17,762
Term of patent 3½ years
(Cl. D34—4)



The ornamental design for a doll, as shown.

166,817
POWER-OPERATED WHEELBARROW
Herchael Wood Miller, Davenport, and Richard E. Andrews, Muscatine, Iowa, assignors to The Prime Mover Co., Muscatine, Iowa, a corporation of Iowa
Application January 13, 1951, Serial No. 13,786
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a power-operated wheelbarrow, substantially as shown and described.

166,818
LADY'S STOCKING
Walter Mueller, Clifton, N. J., assignor of one-half to Richard E. Schletter, Philadelphia, Pa.
Application October 11, 1951, Serial No. 16,908
Term of patent 14 years
(Cl. D47—7)



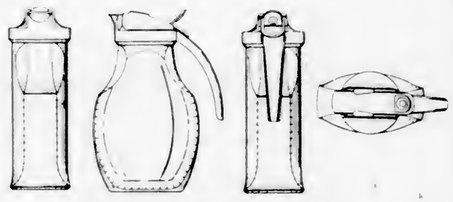
The ornamental design for a lady's stocking, substantially as shown and described.

166,819
LADY'S STOCKING
Walter Mueller, Clifton, N. J., assignor of one-half to Richard E. Schletter, Philadelphia, Pa.
Application October 17, 1951, Serial No. 16,986
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, substantially as shown and described.

166,820
DISPENSING CONTAINER FOR LIQUIDS
Melford E. Olson, Red Lake Falls, Minn.
Application April 28, 1951, Serial No. 15,000
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dispensing container for liquids, substantially as shown.

166,821
LINK CHAIN
Leo R. Pauwels, Los Angeles, Calif.
Application April 7, 1951, Serial No. 14,749
Term of patent 14 years
(Cl. D45—16)



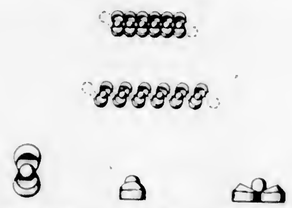
The ornamental design for a link chain, as shown.

166,822
COMBINED HIGH CHAIR AND STROLLER
John B. Peterson, Sausalito, Calif.
Application November 14, 1950, Serial No. 12,970
Term of patent 7 years
(Cl. D15—1)



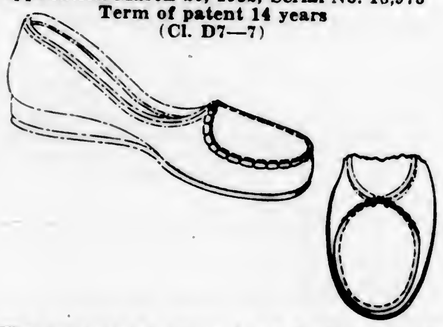
The ornamental design for a combined high chair and stroller, substantially as shown.

166,823
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application November 3, 1951, Serial No. 17,261
Term of patent 7 years
(Cl. D45—4)



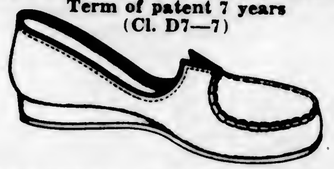
The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

166,824
SHOE OR SIMILAR ARTICLE
Jacob Sandler, Boston, Mass.
Application March 20, 1952, Serial No. 18,973
Term of patent 14 years
(Cl. D7—7)



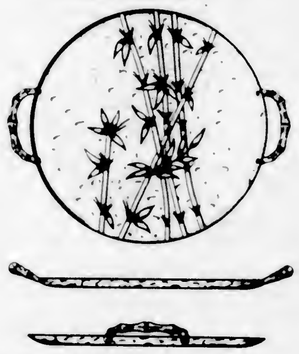
The ornamental design for a shoe or similar article, substantially as shown and described.

166,825
SHOE OR SIMILAR ARTICLE
Jacob Sandler, Boston, Mass.
Application March 20, 1952, Serial No. 18,974
Term of patent 7 years
(Cl. D7—7)



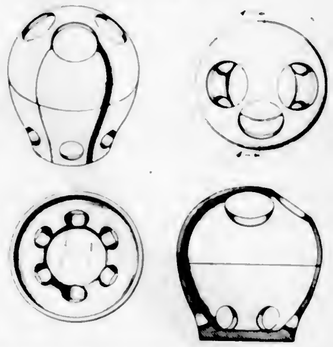
The ornamental design for a shoe or similar article, substantially as shown and described.

166,826
SERVING TRAY
Louis M. Schnitzer, Brooklyn, N. Y., assignor to Everlast Metal Products Corp., a corporation of New York
Application July 22, 1949, Serial No. 4,071
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a serving tray, as shown and described.

166,827
MELTING POT FOR COSMETIC POMADE
Pearl L. Schluttig, Washington, D. C.
Application September 25, 1951, Serial No. 16,738
Term of patent 14 years
(Cl. D81—1)



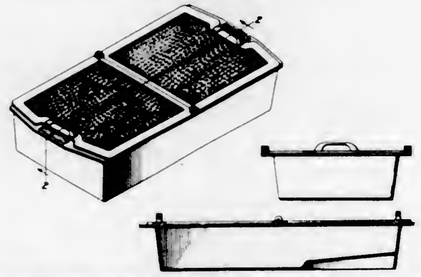
The ornamental design for a melting pot for cosmetic pomade, as shown.

166,828
STOCKING
Ollie A. Seay, Dallas, Tex., assignor to California Underwear Company, Inc., Dallas, Tex., a corporation of Texas
Application January 12, 1952, Serial No. 18,023
Term of patent 14 years
(Cl. D47—7)



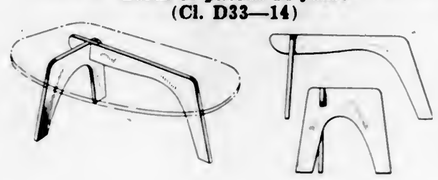
The ornamental design for a stocking, substantially as shown.

166,829
MEAT COOKING PAN
Walter J. Sherman, Muscatine, Iowa
Application November 27, 1951, Serial No. 17,530
Term of patent 14 years
(Cl. D44—8)

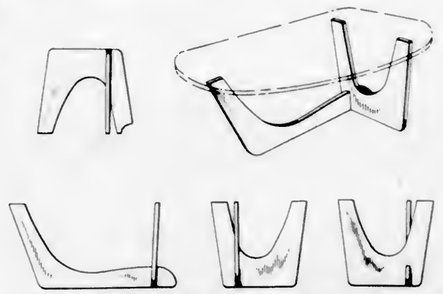


The ornamental design for a meat cooking pan, substantially as shown.

166,830
REVERSIBLE TABLE BASE OR SIMILAR ARTICLE
Charles C. Shinn, Greenbelt, Md., assignor of one-fourth to Miles D. Pillars, Washington, D. C.
Application June 27, 1950, Serial No. 10,780
Term of patent 14 years
(Cl. D33—14)

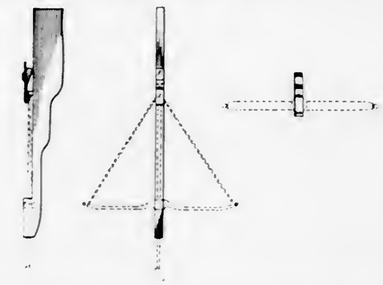


166,830—Continued



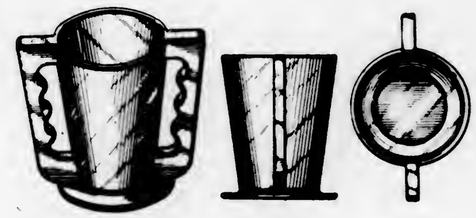
The ornamental design for a reversible table base or similar article, as shown and described.

166,831
TOY BOW GUN OR SIMILAR ARTICLE
Donald H. Stevens, Oakville, Ontario, Canada
Application September 11, 1950, Serial No. 12,138
In Canada August 22, 1950
Term of patent 14 years
(Cl. D34—15)



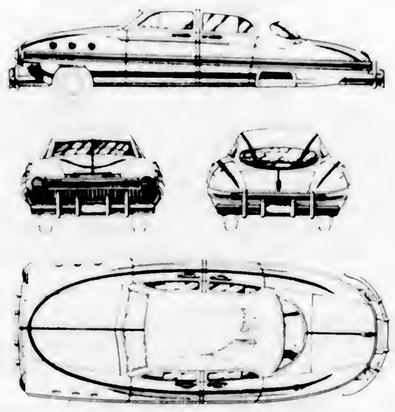
The ornamental design for a toy bow gun or similar article, as shown and described.

166,832
CHILD'S DRINKING GLASS
Edith Rosalie Thompson and Clifford O. Thompson, Hawthorne, Calif.
Application February 14, 1952, Serial No. 18,521
Term of patent 14 years
(Cl. D36—8)



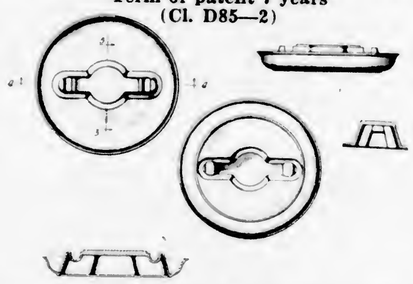
The ornamental design for a child's drinking glass, as shown.

166,833
AUTOMOBILE
Houston Thompson, Milwaukee, Wis.
Application March 2, 1951, Serial No. 14,357
Term of patent 3½ years
(Cl. D14—3)



The ornamental design for an automobile, as shown and described.

166,834
ASH TRAY OR SIMILAR ARTICLE
William F. Vernon, Newton, Iowa
Application February 20, 1951, Serial No. 14,285
Term of patent 7 years
(Cl. D85—2)



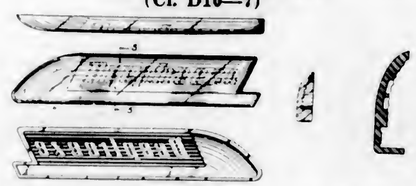
The ornamental design for an ash tray or similar article, substantially as shown.

166,835
DISPENSER STOPPER FOR A BOTTLE
August L. Voight, Berea, Ohio
Application February 23, 1952, Serial No. 18,650
Term of patent 14 years
(Cl. D58—26)



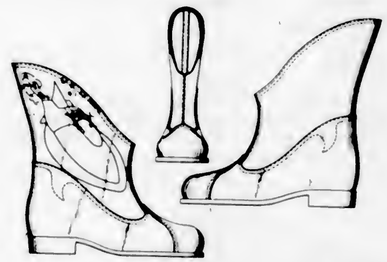
The ornamental design for a dispenser stopper for a bottle, as shown.

166,836
NAME PLATE
John H. Walter, Grosse Pointe, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 22, 1951, Serial No. 13,909
Term of patent 14 years
(Cl. D10—7)



The ornamental design for a name plate, substantially as shown and described.

166,837
BOOT
Irwin D. Wilcox, Endicott, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application February 25, 1952, Serial No. 18,659
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a boot, substantially as shown.

166,838
TRACTOR SEAT
Donald G. Zank and Norman J. Harvey, Bellevue, Nebr.
Application December 13, 1949, Serial No. 6,582
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a tractor seat, as shown and described.

Official Gazette

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Plant Patents	1	No. 1,100			
Patents	817	No. 2,597,842	to	No. 2,598,658,	inclusive
Designs	60	No. 166,839	to	No. 166,898,	inclusive
Total	1,259				

Patents expiring: Patent Numbers 2,002,485 to 2,003,278, inclusive, and Plant Patents, Numbers 125 to 126, inclusive, issued May 28, 1935, expire May 28, 1952

May 27, 1952 Volume 658 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A & B Infants Wear Corp., New York, N. Y. Coats. Serial No. 607,652, May 27. Class 39.

A and O Company, Incorporated, The, Greensboro, N. C. Medicinal preparation. Serial No. 608,845, May 27. Class 18.

A-1 Manufacturing Company: *See*—
Kotzin, Tobias.

Ace Foods Inc., The, Milwaukee, Wis. Catering service. Serial No. 536,979, May 27. Class 100.

Acker, Bertrand R., doing business under the name of Southern Research & Manufacturing Company, Bethesda, Md. Vehicle windshield wiper attachment. Serial No. 605,570, May 27. Class 19.

Acme Quality Paints, Inc.: *See*—
Acme White Lead and Color Works.

Acme Shear Company, The, Bridgeport, Conn. Domestic or household scissors and shears. Serial No. 616,217, May 27. Class 23.

Acme White Lead and Color Works, Detroit, Mich., now by change of name Acme Quality Paints, Inc. Painters' materials. Serial No. 537,959, May 27. Class 16.

Adelphi Paint & Color Works, Inc., Ozone Park, N. Y. Varnish stain, enamels. Serial No. 578,360, May 27. Class 16.

Aetna Casualty and Surety Company, The: *See*—
Aetna Life Insurance Company.

Aetna Life Insurance Company, Hartford, Conn., assignee of The Aetna Casualty and Surety Company. Underwriting of life, casualty and property insurance. Serial No. 617,003, May 27. Class 102.

Air-Lite Publishing Co., Inc., Springfield, Mass. Writing paper and correspondence envelopes. Serial Nos. 615,203–04, May 27. Class 37.

Air-Lite Publishing Co., Inc., Springfield, Mass. Writing paper and correspondence envelopes. Serial No. 619,492, May 27. Class 37.

Akira, Henry K., doing business as Globe Food Products, Glendale, Calif. Fresh vegetables. Serial No. 620,184, May 27. Class 46.

Aktiebolaget Bofors, Bofors, Sweden. Preparation for addition to creams for treating leather. Serial No. 600,935, May 27. Class 6.

Aktiebolaget Bofors, Bofors, Sweden. Germ destroying additive, etc. Serial No. 600,936, May 27. Class 6.

All-Flex Corporation, The, Los Angeles, Calif. Ball bearing swivel pipe couplings. Serial No. 564,425, May 27. Class 13.

Allied Chemical & Dye Corporation, New York, N. Y. Solid alkaline composition, for machine washing of bottles and other heavy duty cleansing uses. Serial No. 609,773, May 27. Class 52.

Alpha Omicron Pi, Oxford, Ohio. Establishment and maintenance of membership in a national collegiate sorority. Serial No. 604,135, May 27. Class 100.

Altman, B., & Co., New York, N. Y. Underwear. Serial No. 620,248, May 27. Class 39.

American Cyanamid Company, New York, N. Y. Troche containing an antibiotic. Serial No. 615,742, May 27. Class 18.

American Cyanamid Company, New York, N. Y. Synthetic fiber. Serial No. 621,117, May 27. Class 1.

American Linen Supply Co., sometimes doing business as Steiner Sales Company, Division of American Linen Supply Co., Carson City, Nev., and Chicago, Ill. Paper toilet tissue. Serial Nos. 620,560–1, May 27. Class 37.

American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighter flints. Serial No. 602,541, May 27. Class 8.

Anderson, Alfred: *See*—
Anderson Chemical Company, The.

Anderson Chemical Co.: *See*—
Anderson Chemical Company, The.

Anderson Chemical Company, The, Litchfield, Minn., assignee of A. Anderson, doing business as Anderson Chemical Co. Washing powders and liquid soap. Serial No. 529,531, May 27. Class 52.

Arcum Pharmaceutical Corporation, The, Wilmington, Del., and Washington, D. C. Sedative and diuretic. Serial No. 587,458, May 27. Class 18.

Arcum Pharmaceutical Corporation, The, Washington, D. C. Sedative and antispasmotic. Serial No. 587,459, May 27. Class 18.

Armstrong Cork Company, Lancaster, Pa. Acoustical tile. Serial No. 601,589, May 27. Class 12.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paint. Serial No. 538,079, May 27. Class 16.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paints. Serial No. 556,058, May 27. Class 16.

Associated Sales, Inc., Dallas, Tex. Electric storage batteries. Serial No. 620,537, May 27. Class 21.

Bar Food Products, Inc., Chicago, Ill. Olives, boneless herring, smoked salmon, etc. Serial No. 578,474, May 27. Class 46.

Barndt, Ruth O., doing business as Ruth Peterson, Philadelphia, Pa. Skin creams. Serial No. 619,560, May 27. Class 51.

Barton, Duer & Koch Paper Company, The, Baltimore, Md. Printing paper and correspondence envelopes. Serial No. 620,951, May 27. Class 37.

Bates, C. J., & Sons, Chester, Conn. Crochet hooks and knitting needles. Serial No. 607,213, May 27. Class 40.

Behr-Manning Corporation, Troy, N. Y. Adhesives. Serial No. 598,632, May 27. Class 5.

Birdy Products Corp., New York, N. Y. Infant's waterproof panties. Serial No. 621,305, May 27. Class 39.

Blue Book Company: *See*—
Trautmann, Bailey & Blampey.

Blue Ridge Glass Corporation, Kingsport, Tenn. Flat glass. Serial No. 534,988, May 27. Class 33.

Bonewitz Chemicals, Inc., Burlington, Iowa. Detergents. Serial No. 582,672, May 27. Class 52.

Bonner, Don B., Los Angeles, Calif. Toilet bowls. Serial No. 615,265, May 27. Class 13.

Borne Scrymser Company, Elizabeth, N. J. Wetting agent. Serial No. 608,741, May 27. Class 6.

Bougie, Lucien, Inc., Montreal, Quebec, Canada. Children's booties. Serial No. 616,198, May 27. Class 39.

Breier, Marcus, Sons, Inc., Amsterdam, N. Y. Men's jackets. Serial No. 620,190, May 27. Class 39.

Bristol Laboratories Inc., New York and Syracuse, N. Y. Antihistaminic compound. Serial No. 606,747, May 27. Class 18.

British Alkaloids Limited, London, England. Preparations for killing plant nematodes. Serial No. 614,037, May 27. Class 6.

British Oilfield Equipment Co. Limited, Hunslet, Leeds, England. Chains, non-electric cables, metal pipes, etc. Serial No. 612,150, May 27. Class 13.

Brody Clothing Company, Boston, Mass. Men's topcoats and overcoats. Serial No. 610,045, May 27. Class 39.

Brown Mud Company, Los Angeles, Calif. Ground barium sulphate. Serial No. 618,196, May 27. Class 6.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 602,797, May 27. Class 27.

Callander Foundry & Manufacturing Company Limited, The, Guelph, Ontario, Canada. Drill presses, woodworking lathes, machine planers, etc. Serial No. 598,350, May 27. Class 23.

Carb-N-Set Business Forms: *See*—
Hauer, Frank J.

Carmelle, Inc., Burbank, Calif. Writing paper, note paper, correspondence and mailing envelopes. Serial No. 611,470, May 27. Class 37.

Casco Products Corporation, Bridgeport, Conn. Fender guides. Serial No. 612,847, May 27. Class 19.

Charles of the Ritz, Inc., New York, N. Y. Personal deodorant lotion. Serial No. 585,428, May 27. Class 51.

Chevette, Inc., New York, N. Y. Ladies' and misses' panties. Serial No. 621,307, May 27. Class 39.

Chi Omega Fraternity, Cincinnati, Ohio. Stimulating and helping maintain interest in education, civic affairs and social services. Serial No. 600,651, May 27. Class 100.

Christoffers, Herman W., Denver, Colo. Ice cream-filled cones. Serial No. 582,415, May 27. Class 46.

Cia. Jardim Cafés Finos e Productos de Alimentacao, Sao Paulo, Brazil. Coffee strainers and coffeemakers. Serial No. 600,718, May 27. Class 13.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparation for the treatment of diseases of the thyroid. Serial No. 609,076, May 27. Class 18.

Cochran, Jacqueline, Inc., Newark, N. J. Cosmetics and beauty preparations. Serial No. 574,492, May 27. Class 51.

Colonial Brush Manufacturing Company, Inc., Boston, Mass. Brushes. Serial No. 619,499, May 27. Class 29.

Columbia Records Inc., Bridgeport, Conn. Grooved phonograph records and phonograph record albums. Serial No. 615,760, May 27. Class 36.

Columbia River Paper Mills, Portland, Oreg. Paper. Serial No. 618,884, May 27. Class 37.

Commonwealth Cedar Company, Inc., Shelbyville, Tenn. Pencils. Serial No. 620,089, May 27. Class 37.

Coprox, Inc., Yonkers and New York, N. Y. Cementitious inorganic material. Serial No. 591,719, May 27. Class 12.

Cowen, M. S., Company, San Francisco, Calif. Canned fish. Serial No. 612,388, May 27. Class 46.

Culligan Zeolite Company, Northbrook, Ill. Chemical compound. Serial No. 593,787, May 27. Class 6.

Dartmouth Fillet Company, New Bedford, Mass. Frozen fish fillets. Serial No. 617,143, May 27. Class 46.

Davey Tree Expert Company, The, Kent, Ohio. Manure. Serial No. 597,948, May 27. Class 10.

Dayton Rubber Company, The, Dayton, Ohio. Trade publication. Serial No. 613,052, May 27. Class 38.

Delicia Chocolate & Candy Mfg. Co. Inc., New York, N. Y. Filled sugar wafers. Serial No. 581,409, May 27. Class 46.

Delta Jewelry Corporation, New York, N. Y. Jewelry. Serial No. 572,022, May 27. Class 28.

Desert Giant Packing Co., Pheonix, Ariz. Fresh vegetables and fresh melons. Serial No. 612,309–10, May 27. Class 46.

Dixie Cup Company, Easton, Pa. Paper cups. Serial No. 619,804, May 27. Class 2.

Dominique France, Inc., New York, N. Y. Men's neckties and scarves. Serial No. 607,742, May 27. Class 39.

Doyle, J. P., & Co., Inc., New York, N. Y. Ladies' hosiery. Serial No. 620,306, May 27. Class 39.

Dunan Brick Yards Incorporated, Miami, Fla. Bricks. Serial No. 552,757, May 27. Class 12.

Durrant Seed & Supply, Scott City, Kans. Pinto beans. Serial No. 609,032, May 27. Class 46.

Eagle-Picher Company, The, Cincinnati, Ohio. Mineral wool asbestos cement. Serial No. 610,008, May 27. Class 12.

Ellinger, O. Robert, doing business under the name and style of Sweet Fern Lotion Company, Hasbrouck Heights, N. J. Medicinal lotion. Serial No. 616,281, May 27. Class 18.

Emmons Loom Harness Co., Lawrence, Mass. Reeds and dents for reeds for textile looms. Serial No. 616,535, May 27. Class 23.

Enterprise Paint Manufacturing Company, Chicago, Ill. Self-polishing waxes and combination cleaning and polishing paste waxes. Serial No. 602,252, May 27. Class 4.

Eureka Specialty Printing Company, Scranton, Pa. Sheets of gummed paper stickers. Serial No. 621,058, May 27. Class 37.

Fabron, N. V., Rhenen, Netherlands. Elastic padding material. Serial No. 593,656, May 27. Class 1.

Fairfax Distributing Co., Inc., Washington, D. C. Finger rings. Serial No. 609,290, May 27. Class 28.

Färberei Schlieren A.-G., Zurich, Switzerland. Waterproof, fireproof, heatproof, and acidproof fabrics. Serial Nos. 593,403–04, May 27. Class 42.

Fay, Edward J., New York, N. Y. Fungicide. Serial No. 613,219, May 27. Class 18.

Feltrok Insulation Manufacturing Company: *See*—
Rusden, Cahrles J.

Ferguson, A. C., Co.: *See*—
Ferguson, Albert C.

Ferguson, Albert C., doing business as A. C. Ferguson Co., Jacksonville, Fla. Awnings. Serial No. 588,485, May 27. Class 12.

Finch, William G. H., New York, N. Y. Transmission by wire or radio. Serial No. 567,310, May 27. Class 104.

Folke Knut Knutsson-Hall, Gamleby, Sweden. Matches and igniting rods. Serial No. 560,876, May 27. Class 9.

Forker Corporation, The, Cleveland, Ohio. Overhead transportation systems. Serial No. 566,797, May 27. Class 23.

Fosgate, Chester C., Co., Forest City, Fla. Frozen citrus fruits and frozen concentrated citrus juices. Serial No. 621,601, May 27. Class 46.

Frank & Meyer Neckwear Co., St. Louis, Mo. Neckwear. Serial No. 618,085, May 27. Class 39.

G & B Produce Co., San Jose, Calif. Fresh vegetables. Serial Nos. 622,646–7, May 27. Class 46.

Gallaher Limited, Belfast, Northern Ireland. Smoking tobacco. Serial No. 598,010, May 27. Class 17.

Gatlinburg Candy Co., Sevierville, Tenn. Taffy candy. Serial No. 603,781, May 27. Class 46.

General American Transportation Corporation, Chicago, Ill. Leasing freight cars. Serial No. 609,795, May 27. Class 105.

General Mills, Inc., Wilmington, Del. and Minneapolis, Minn. Highly refined unmodified wheat starch crystals, and highly refined unmodified wheat starch, powdered. Serial No. 590,267, May 27. Class 6.

General Motors Corporation, Detroit, Mich. Used automobiles and trucks. Serial No. 598,994, May 27. Class 19.

General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial No. 611,354, May 27. Class 12.

Gerber Products Company, Fremont, Mich. Cereal preparations. Serial No. 585,017, May 27. Class 46.

Gibbs & Company, Incorporated, Baltimore, Md. Canned vegetables and canned pork and beans. Serial No. 556,684, May 27. Class 46.

Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Metal working machines. Serial No. 612,250, May 27. Class 23.

Globe Food Products: *See*—
Akira, Henry K.

Globe Siding Products Company, Whiting, Ind. Surfacing materials. Serial No. 610,174, May 27. Class 12.

Goodman and Company, Indianapolis, Ind. Finger rings, brooches, scarf pins, etc. Serial No. 617,915, May 27. Class 28.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. Serial 623,460, May 27. Class 35.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires. Serial No. 623,761, May 27. Class 35.

Goshen Ice Cream Company, The, Goshen, Ind. Sherbet frozen on a stick. Serial No. 623,049, May 27. Class 46.

Granat Bros., San Francisco, Calif. Finger rings. Serial No. 542,934, May 27. Class 28.

Grandwood Broadcasting Company, Grand Rapids, Mich. Radio program broadcasting. Serial No. 609,680, May 27. Class 104.

Great Eastern Mutual Life Insurance Company, Denver, Colo. Underwriting of hospital, medical, surgical, accidental injury and death insurance. Serial No. 608,246, May 27. Class 102.

Gregory Fount-O-Ink Company, Los Angeles, Calif., assignee of Gregory Fount-O-Ink Company. Desk sets. Serial No. 570,027, May 27. Class 37.

Gregory, John H., doing business as The Harbor Homes Company, Redondo Beach, Calif. Concrete wall fence. Serial No. 592,147, May 27. Class 12.

Gymer, Frederick E., Cleveland, Ohio. Preparation of advertising and sales promotion material. Serial No. 617,026, May 27. Class 101.

HCO Laboratories: *See*—
Jennings, Chester A.

Haines Oyster Company, Seattle, Wash. Canned and bottled seafood cocktail sauce, clam nectar, etc. Serial No. 604,635, May 27. Class 46.

Hansley Mills, Inc., Paris, Ky. Men's, boys' and children's underwear. Serial No. 616,097, May 27. Class 39.

Hansley Mills, Inc., Paris, Ky. Men's, boys' and children's underwear. Serial No. 620,730, May 27. Class 39.

Harbor Homes Company, The: *See*—
Gregory, John H.

Harper, Ralph M., Winthrop, Mass. Carved figures. Serial No. 603,527, May 27. Class 50.

Harry and David, Medford, Oreg. Bottled cherries, orange slices in syrup, tiny pearl onions, etc. Serial No. 508,947, May 27. Class 46.

Harvey Laboratories, Incorporated, Philadelphia, Pa. Local anesthetic. Serial No. 614,439, May 27. Class 18.

Hauer, Frank J., doing business as Carb-N-Set Business Forms, Dayton, Ohio. Glue. Serial No. 572,099, May 27. Class 5.

Hearst Corporation, The: *See*—
Hearst Magazines Inc.

Hearst Magazines Inc., now by merger, The Hearst Corporation, New York, N. Y. Magazine feature, section or department. Serial No. 592,629, May 27. Class 38.

Hecht's Bakery, Incorporated, Bristol, Tenn. Bread, cake, doughnuts and pies. Serial No. 617,197, May 27. Class 46.

Helm Chocolate Limited, Wallington, England. Cocoa, baking chocolate and chocolate candy. Serial No. 609,551, May 27. Class 46.

Herts Pharmaceuticals Limited, Welwyn Garden City, Hertfordshire, England. Pharmaceutical preparation. Serial No. 589,446, May 27. Class 18.

Hoffman-La Roche Inc., Nutley, N. J. Antituberculosis compound. Serial No. 624,743, May 27. Class 18.

Hudnut, Richard, New York, N. Y. Hair dye. Serial No. 600,487, May 27. Class 51.

Hunter Douglas Corporation, New York, N. Y. Metal stock. Serial No. 615,605, May 27. Class 14.

Ideal Publishing Corp., New York, N. Y. Section in a magazine. Serial No. 582,134, May 27. Class 38.

Imperial Hosiery Co., Pittsburgh, Pa. Women's and children's hosiery, and gloves. Serial No. 520,873, May 27. Class 39.

International Association of Milk and Food Sanitarians, Orange, N. J., and Rochester, N. Y. Dairy products storage tanks, milk weigh cans, milk receiving tanks, etc. Serial No. 607,082, May 27. Class 2.

Intra-Mills Hosiery Co., New York, N. Y. Men's socks and ladies' hosiery. Serial No. 616,378, May 27. Class 39.

Iron City Chemical Company: *See*—
Pittsburgh Chemical Laboratory, Inc.

Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Cuff links, tie holders, key chains and shirt studs. Serial No. 586,090, May 27. Class 28.

Jennings, Chester A., doing business as HCO Laboratories, Hillsville, Va. Preparation for external use in relief of muscular aches and pains. Serial No. 603,195, May 27. Class 18.

Jensen, Peter, A/S, Copenhagen, Denmark. Cheese. Serial No. 614,627, May 27. Class 46.

Johnson Publishing Company, Inc., Chicago, Ill. Periodical publications. Serial No. 620,506, May 27. Class 38.

Juliana Lingerie, Inc., New York, N. Y. Women's and Misses' lingerie. Serial No. 615,456, May 27. Class 39.

Kalamazoo Vegetable Parchment Co., Parchment, Mich. Self-sealing waxed paper. Serial No. 562,201, May 27. Class 37.

Kappa Alpha Theta Fraternity, Chicago, Ill. Organizing of chapters and alumnae groups. Serial No. 594,551, May 27. Class 100.

Keith-Victor Pharmacal Co., St. Louis, Mo. Chlorophyllins sorbalate. Serial No. 607,334, May 27. Class 18.

Kenny, C. D., Division, Consolidated Grocers Corp., Baltimore, Md. Peanut butter, coffee and tea. Serial No. 620,507, May 27. Class 46.

Kosta, James P., Dayton, Ohio. Shampoo. Serial No. 519,959, May 27. Class 52.

Kotzin, Tobias, doing business under the fictitious name of A-1 Manufacturing Company, Los Angeles, Calif. Trousers, dungarees and jackets. Serial No. 488,961, May 27. Class 39.

Kotzin, Tobias, doing business as A-1 Manufacturing Co., Los Angeles, Calif. Men's and boys' outer shirts, overalls, dungarees, etc. Serial No. 548,595, May 27. Class 39.

Kroehler Mfg. Co., Naperville, Ill. Upholstered living room furniture. Serial No. 618,705, May 27. Class 32.

Lambert Company, The: *See*—
Moore, John Hudson, Inc.

Lenel Co.: *See*—
Rothchild, Frances.

Lenell Bros. Baking Co., Inc., Chicago, Ill. Bakery products. Serial No. 600,683, May 27. Class 46.

Lu Ette Cotton Frocks, New York, N. Y. Women's and misses' dresses. Serial No. 619,631, May 27. Class 39.

Lummis Mfg. Co.: *See*—
Lummis, Wilburn R.

Lummis, Wilburn R., doing business as Lummis Mfg. Co., Pasadena, Calif. Spring actuated automatic rewinding reel. Serial No. 608,613, May 27. Class 23.

Makers of Kal, Inc., Los Angeles, Calif. Natural iodine. Serial No. 613,935, May 27. Class 18.

Maltbie Laboratories, Inc., Newark, N. J. Antibiotic-anesthetic lozenge. Serial No. 601,991, May 27. Class 18.

Mammoth Paint and Color Works: *See*—
Peper Bros., Inc.

Maryland Baking Co.: *See*—
Maryland Baking Company, The.

Maryland Baking Company, Inc: *See*—
Maryland Baking Company, The.

Maryland Baking Company, The, sometimes also known as Maryland Baking Company, Inc., and as Maryland Baking Co., Baltimore, Md. Ice cream cones. Serial No. 614,886, May 27. Class 46.

Mason Candy Company, The, Trinidad, Colo. Candy. Serial No. 604,208, May 27. Class 46.

Massachusetts Protective Association, Incorporated, The, Worcester, Mass. Underwriting of health and accident insurance. Serial No. 617,409, May 27. Class 102.

Matchit Products Company: *See*—
Shapiro, Joseph.

Maxwell and Rothschild: *See*—
Rothschild, Miss Dollie.

McKenzie & Mackenzie, Guadalupe, Calif. Fresh vegetables. Serial No. 620,925, May 27. Class 46.

McKesson & Robbins, Incorporated, New York, N. Y. Cream for the care and cleansing of the skin. Serial No. 620,350, May 27. Class 51.

Meyer Chemical Company, Detroit, Mich. Preparation for use in conditions of adrenal insufficiency. Serial No. 600,841, May 27. Class 18.

Michigan Blueberry Growers Association, Grand Junction, Mich. Fresh cultivated blue berries. Serial No. 613,015, May 27. Class 46.

Milgio Jewelry Co., Inc., New York, N. Y. Identification bracelets and necklaces. Serial No. 569,878, May 27. Class 28.

Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Pregnenolone. Serial No. 594,275, May 27. Class 18.

Misje, Jakob, & Co. A/S, Bergen, Norway. Canned fish. Serial No. 608,805, May 27. Class 46.

Mission Appliance Corporation, Hawthorne, Calif. Electric space heaters and electric water heaters. Serial No. 620,429, May 27. Class 21.

Mixco Inc., Olympia, Wash. Nozzle. Serial No. 601,683, May 27. Class 13.

Moore Brothers Hosiery, Cleveland, Tenn. Men's, women's and children's hosiery. Serial No. 600,606, May 27. Class 39.

Moore, John Hudson, Inc., New York, N. Y., now by merger The Lambert Company. Smokers' pipes. Serial No. 617,306, May 27. Class 8.

Morrison Steel Products Inc., Buffalo, N. Y. Oil and gas burning space heaters. Serial No. 611,714, May 27. Class 34.

Mosaic Tile Company, The, Zanesville, Ohio. Floor, wall, and ceiling tiles. Serial No. 619,892, May 27. Class 12.

Mothers Beautiful, Miami and Miami Beach, Fla. Maternity clothing. Serial No. 619,678, May 27. Class 39.

Mountain Fruit Company, Cedaredge, Colo. Fresh deciduous fruits. Serial No. 586,183, May 27. Class 46.

National Association for Stock Car Auto Racing, Inc., Daytona Beach, Fla. Promotion, regulation and governing of stock car automobile racing. Serial No. 616,862, May 27. Class 100.

National Bookkeeping Service, Kansas City, Mo. Bookkeeping services. Serial No. 546,019, May 27. Class 101.

National Sportswear Corp., Forest City, Pa. Men's and boys' sportswear. Serial No. 609,375, May 27. Class 39.

Newberry, J. J., Co., New York, N. Y. Slips. Serial No. 620,165, May 27. Class 39.

Nolde and Horst Company, The, Reading, Pa. Women's hosiery. Serial No. 601,065, May 27. Class 39.

Nolde and Horst Company, The, Reading, Pa. Women's hosiery. Serial No. 601,067, May 27. Class 39.

Norsk Frossenfisk A/L, Oslo, Norway. Frozen fish. Serial No. 609,137, May 27. Class 46.

North American Slide Fastener Corp., New York, N. Y. Separable slide fasteners. Serial No. 598,807, May 27. Class 13.

North Pacific Canners & Packers, Inc., Portland, Oreg. Frozen vegetables. Serial No. 611,192, May 27. Class 46.

Novelty Knitting Mills, Inc., Philadelphia, Pa. Men's, women's and children's sweaters, vests, coats, etc. Serial No. 605,912, May 27. Class 39.

O-Cedar of Canada Limited, Toronto, Ontario, Canada. Wax. Serial No. 542,641, May 27. Class 4.

O'Hara, Janvier F., Monrovia, Calif. Hearing aid accessory. Serial No. 606,316, May 27. Class 44.

Oregon Pulp and Paper Company, Portland, Oreg. Paper. Serial No. 618,897, May 27. Class 37.

Ott Freres, Antibes, Alpes Maritimes, France. Wines. Serial No. 617,791, May 27. Class 47.

Owens-Illinois Glass Company, Toledo, Ohio. Premixed joint grout. Serial No. 619,144, May 27. Class 12.

Ozark-Mahoning Company, Tulsa, Okla. Expanded perlite. Serial No. 610,333, May 27. Class 12.

Pacific Fruit & Produce Co.: *See*—
Pacific Gamble Robinson Company.

Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Fresh deciduous fruits, and frozen fresh fruits and frozen fresh vegetables. Serial No. 615,656, May 27. Class 46.

Pacific Wire Products Company, Compton, Calif. Stucco mesh. Serial No. 582,735, May 27. Class 12.

Parco Manufacturing Co., Inc., Syracuse, N. Y. Power-operated vegetable peelers and vegetable cutters. Serial No. 612,133, May 27. Class 23.

Parfums Charbert Inc., New York, N. Y. Perfumes, cologne, lotion, etc. Serial No. 610,797, May 27. Class 51.

Parke, Davis & Company, Detroit, Mich. Vitamin preparation. Serial No. 619,516, May 27. Class 18.

Paulsen-Webber Cordage Corporation, New York, N. Y. Wrapping twines. Serial No. 605,526, May 27. Class 7.

Pecora Paint Co., Philadelphia, Pa. Interior and exterior home paints, varnishes and air-drying enamels. Serial No. 579,291, May 27. Class 16.

Peper Bros., Inc., doing business under the name of Mammoth Paint and Color Works, New York and Brooklyn, N. Y. Flat white paint. Serial No. 599,580, May 27. Class 16.

Perfit Fit Manufacturing Co. Portland, Oreg. Automobile seat covers, replacements for fabric tops for automobiles, etc. Serial No. 520,528, May 27. Class 19.

Peterson, Ruth: *See*—
Barndt, Ruth O.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. Serial No. 599,581, May 27. Class 18.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. Serial No. 612,932, May 27. Class 18.

Pfizer, Chas., and Co., Inc., Brooklyn, N. Y. Antibiotic preparation. Serial No. 619,768, May 27. Class 18.

Phoenix Hosiery Company, Milwaukee, Wis. Women's full-fashioned hosiery. Serial No. 582,495, May 27. Class 39.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Paper product. Serial No. 619,712, May 27. Class 37.

Pittsburgh Chemical Laboratory, Inc., Pittsburgh, assignor to Iron City Chemical Company, Evans City, Pa. Electrical vaporizer. Serial No. 583,410, May 27. Class 21.

Planett Mfg. Co., Downey, Calif. Wire mesh. Serial No. 547,765, May 27. Class 12.

Polinel Company: *See*—
Potasch, Lionel N.

Potasch, Lionel N., doing business as Polinel Company, Milwaukee, Wis. Medicinal ointment. Serial No. 610,185, May 27. Class 18.

Powderized Products Company, Charlotte, Mich. Additive to gasoline to be used in an internal combustion engine. Serial No. 602,064, May 27. Class 15.

Presentation Incorporated, Washington, D. C. Advertising service. Serial No. 593,562, May 27. Class 101.

Products Research Company, Glendale, Calif. Sealing compositions, cements, putties, etc. Serial No. 576,134, May 27. Class 12.

Pullman-Standard Car Manufacturing Company, Chicago, Ill. Ash receptacles and ash trays. Serial No. 605,266, May 27. Class 8.

Pullman-Standard Car Manufacturing Company, Chicago, Ill. Car name plates, railroad name plates, car number plates, etc. Serial No. 605,270, May 27. Class 50.

Radiation Counter Laboratories, Inc., Chicago, Ill. Automotive trucks. Serial No. 609,053, May 27. Class 19.

Ralston Purina Company, St. Louis, Mo. Insecticide. Serial No. 597,012, May 27. Class 6.

Rappleyea, George W., Southport, N. C. Thermosetting plastic. Serial No. 603,499, May 27. Class 6.

Recker, Earl C., doing business as Earl C. Recker Company, Mesa, Ariz. Fresh vegetables and fresh melons. Serial No. 602,067, May 27. Class 46.

Recker, Earl C., Company: *See*—
Recker, Earl C.

Republic Paint & Varnish Co., Chicago, Ill. Ready-mixed marine paints, marine paint enamels, varnishes, etc. Serial No. 540,896, May 27. Class 16.
Richter, Margarete, Jackson Heights, N. Y. Hair nets. Serial No. 621,422, May 27. Class 39.
Roncl, F., Co., Inc., Centerdale, R. I. Jewelry. Serial No. 601,120, May 27. Class 28.
Rothchild, Frances, doing business under the name Lenel Co., Dallas, Tex. Soaps. Serial No. 607,045, May 27. Class 52.
Rothman, Harry, Inc., New York, N. Y. Men's suits and coats. Serial No. 619,584, May 27. Class 39.
Rothschild, Miss Dollie, doing business as Maxwell and Rothschild, Cincinnati, Ohio. Softening synthetic textile fabrics in the piece. Serial No. 611,856, May 27. Class 106.
Roxborough Company, The, Philadelphia, Pa. Chemical composition. Serial No. 608,954, May 27. Class 6.
Royal, Barry-Carter Mills, Inc., Nashville, Tenn. Coffee. Serial No. 619,717, May 27. Class 46.
Rusden, Charles J., doing business as Feltrok Insulation Manufacturing Company, Tacoma, Wash. Rock wool insulation. Serial No. 592,224, May 27. Class 12.
Safeway Stores, Incorporated, Baltimore, Md. and Oakland, Calif. Bar laundry soap. Serial No. 598,601, May 27. Class 52.
St. Thomas Inc., Gloversville, N. Y. Billfolds. Serial No. 620,830, May 27. Class 3.
Sales Counselors, Inc.: *See*—
Shanahan, Maurice L.
Salt Lake Tribune Publishing Company, The, Salt Lake City, Utah. Columns published in newspapers. Serial No. 609,003, May 27. Class 38.
Sanson Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 616,389, May 27. Class 39.
Schering Corporation, Bloomfield, N. J. Product for the treatment of certain vascular conditions. Serial No. 618,819, May 27. Class 18.
Schering Corporation, Bloomfield, N. J. Product for the teatment of vascular conditions. Serial No. 619,108, May 27. Class 18.
Schering Corporation, Bloomfield, N. J. Hypnotic. Serial No. 619,652, May 27. Class 18.
Schneider Hosiery Mills: *See*—
Schneider, John M.
Schneider, John M., trading and doing business under the name of Schneider Hosiery Mills, Miami, Fla. Ladies' hosiery. Serial No. 621,335, May 27. Class 39.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's slips, dresses, nightgowns, etc. Serial No. 621,379, May 27. Class 39.
Schrank, M. C., Company, Bridgeton, N. J. Women's and misses' pajamas and shorts. Serial No. 602,642, May 27. Class 39.
Scripto, Inc., Atlanta, Ga. Mechanical pencils, pencil leads and pencil erasers. Serial No. 618,104, May 27. Class 37.
Sears, Roebuck and Co., Chicago, Ill. Electric stock prods, electric water heaters, electric fence insulators, etc. Serial No. 570,643, May 27. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. Serial No. 581,027, May 27. Class 42.
Seller's Mfg. Co., Saxapahaw, N. C. Cotton yarn. Serial No. 621,634, May 27. Class 43.
Shanahan, Maurice L., assignor to Sales Counselors, Inc., Los Angeles, Calif. Store fixtures. Serial No. 618,600, May 27. Class 32.
Shapiro, Joseph, doing business as Matchit Products Company, Cincinnati, Ohio. Display stands. Serial No. 618,601, May 27. Class 32.
Silvertex Company, The, Philadelphia, Pa. Men's, boys', women's and children's outer garments. Serial No. 618,307, May 27. Class 39.
Smith-Duff Co., Pittsburgh, Pa. Peanut butter. Serial No. 583,127, May 27. Class 46.
Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal agent. Serial No. 619,719, May 27. Class 18.
Smith, Kline & French Laboratories, Philadelphia, Pa. Unit of medication. Serial No. 607,207, May 27. Class 18.
Somnyl Pharmacal Corporation of America, New York, N. Y. Mild sedative. Serial No. 613,197, May 27. Class 18.
South Coast Fisheries, Inc., Terminal Island, Calif. Canned mackerel, canned bonito and canned yellowtail. Serial No. 563,138, May 27. Class 46.
Southern Research & Manufacturing Company: *See*—
Acker, Bertrand R.
Spiegel, Inc., Chicago, Ill. Guns. Serial No. 617,096, May 27. Class 9.
Standard Brands Incorporated, New York, N. Y. Enzyme preparation. Serial No. 614,856, May 27. Class 6.
Star-Peerless Wall Paper Mills, Chicago, Ill. Wall paper. Serial No. 619,686, May 27. Class 37.
Stefco Manufacturing Company, Rossmoyne, Ohio. Prefabricated steel buildings. Serial No. 614,909, May 27. Class 12.
Steiner Sales Company, Division of American Linen Supply Co.: *See*—
American Linen Supply Co.
Sterling-Freeland Industries, Inc., Chicago, Ill. Cabinets. Serial No. 570,730, May 27. Class 32.
Stevens, R. G., Co.: *See*—
Stevens, Roderick G.
Stevens, Roderick G., doing business as R. G. Stevens Co., Fort Lauderdale, Fla. Spraying equipment. Serial No. 604,281, May 27. Class 23.
Stokesberry, Violet, Miami, Fla. Entertainment service. Serial No. 619,523, May 27. Class 107.
Storm Windows of Aluminum, Inc., Apco, Ohio. Storm windows and storm doors. Serial No. 619,151, May 27. Class 12.
Sweet Corn Lotion Company: *See*—
Ellinger, O. Robert.
Switzer Licorice Company, St. Louis, Mo. Candy. Serial No. 606,245, May 27. Class 46.
Tabin-Picker & Co., Chicago, Ill. Women's and misses' dresses, aprons and suits. Serial No. 619,553, May 27. Class 39.
Trautmann, Bailey & Blampey, trading as Blue Book Company, New York, N. Y. Intermittently issued publications. Serial No. 620,240, May 27. Class 38.
Trimble Hat Company, The, Minneapolis, Minn. Men's felt hats. Serial No. 576,778, May 27. Class 39.
Troy Blanket Mills, Troy, N. H. Blankets and automobile robes. Serial No. 619,444, May 27. Class 42.
Truval Manufacturers, Inc., New York, N. Y. Outer shirts. Serial No. 618,134, May 27. Class 39.
Tubular Service and Engineering Company, Houston, Tex. Rubber protector collars for drill pipe. Serial No. 615,664, May 27. Class 35.
Twin Trees Gardens, Inc., Lynbrook, N. Y. Spices and seasonings. Serial No. 598,281, May 27. Class 46.
Twin Trees Gardens, Inc., Lynbrook, N. Y. Food seasonings. Serial No. 598,282, May 27. Class 46.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
United States Gypsum Company, Chicago, Ill. Lime for construction use. Serial No. 562,972, May 27. Class 12.
United States Hoffman Machinery Corporation, Syracuse and New York, N. Y. Magnetic separators. Serial No. 602,866, May 27. Class 21.
Universal Mills, Fort Worth, Tex. Stock and poultry feed. Serial No. 620,018, May 27. Class 46.
Utility Co. Inc., The, New York, N. Y. Waterless hand soap. Serial No. 591,120, May 27. Class 52.
Valley Paper Company, Holyoke, Mass. Writing, typewriter and printing paper. Serial No. 528,007, May 27. Class 37.
Van Dusen Engineering Company, Escondido, Calif. Suction holding discs. Serial No. 590,536, May 27. Class 13.
Van Wagenen and Schickhaus Company, Newark, N. J. Ham, bacon, sausage. Serial No. 619,320, May 27. Class 46.
Walla Walla Canning Company, Walla Walla, Wash. Canned peas. Serial No. 621,180, May 27. Class 46.
West Point Lawn Products, West Point, Pa. Turf cultivating hand tool. Serial No. 603,270, May 27. Class 23.
Westville Oil and Manufacturing, Inc., Westville, Ind. Motor oil. Serial No. 610,394, May 27. Class 15.
Whiting-Adams Company, Inc., Boston, Mass. Brushes. Serial No. 617,688, May 27. Class 29.
Whittall, M. J., Associates, Inc., Worcester, Mass. Textile carpets and rugs. Serial No. 623,928, May 27. Class 42.
Wieboldt Stores, Inc., Chicago, Ill. Shellac, varnish, linoleum lacquer, etc. Serial No. 588,416, May 27. Class 16.
Wright Sales Company, Inc., Cleveland, Ohio. Cord. Serial No. 553,941, May 27. Class 7.
Yorkshire Copper Works Limited, The, Stourton, Leeds, England. Metal tubes. Serial No. 617,137, May 27. Class 13.

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. Wasa Spisbrödsfabrik, Filipstad, Sweden. Bread. 429,173, Apr. 22, 1947. Republished May 27. Class 46.
ACF-Brill Motors Company, Philadelphia, Pa. Internal combustion engines and parts thereof. 559,229, May 27; Serial No. 582,762, published Jan. 8, 1952. Class 23.
Abbott Laboratories, North Chicago, Ill. Fish liver oils. 294,692, renewed June 7, 1952. O. G. May 27. Class 18.
Abbott Laboratories, North Chicago, Ill. Vacuum bottle containing a small amount of anticoagulant solution. 559,336, May 27; serial No. 611,746, published Feb. 19, 1952. Class 44.
Abeles, Walter, Toronto, Ontario, Canada. Pasture seed mixture. 559,251, May 27; Serial No. 592,061, published Mar. 11, 1952. Class 1.
Adamoff Manufacturing Company, Elizabeth, N. J. Men's and boys' leather, wool, and wool gabardine coats and jackets. 559,200, May 27; Serial No. 550,981, published Mar. 11, 1952. Class 39.
Aetna Casualty and Surety Company, The, Hartford, Conn. Apparatus to measure the reaction of a driver to imminent peril, etc. 559,421, May 27; Serial No. 617,071, published Jan. 15, 1952. Class 26.
Air-Aid Corporation, assignee: *See*—
Air Correctives, Inc.
Air Correctives, Inc., assignor to Air-Aid Corporation, New York, N. Y. Chemicals. 559,214, May 27; Serial No. 567,447, published Apr. 4, 1950. Class 6.
Aircraft-Marine Products Inc., Harrisburg, Pa. Hand tools and pneumatically and hydraulically operated portable tools, etc. 559,403, May 27; Serial No. 616,197, published Feb. 5, 1952. Class 23.
Aircraft Screw Products Company, Inc., to Heli-Coil Corporation, Danbury, Conn. Tools, apparatus and machines for use in connection with screw connections. 419,109, Feb. 5, 1946. New certificate. O. G. May 27. Class 23.
Aircraft Screw Products Company, Inc., to Heli-Coil Corporation, Danbury, Conn. Screw connections and parts of screw connections. 419,476, Feb. 19, 1946. New certificate. O. G. May 27. Class 13.
Aircraft Screw Products Company, Incorporated, to Heli-Coil Corporation, Danbury, Conn. Spark plug bushings. 399,390, Jan. 5, 1943. New certificate. O. G. May 27. Class 21.
Aktiebolaget Mo och Domsjö Wallboard Co., to Mo och Domsjö Treetex Aktiebolag, Stockholm, Sweden. Boards for roof, wall and ceiling coverings. 292,159, renewed Mar. 1, 1952. O. G. May 27. Class 12.
Alamo Manufacturing Co., Inc., New York, N. Y. Backwrap and brunch-coat. 559,279, May 27; Serial No. 600,527, published Feb. 26, 1952. Class 39.
Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif. Cattle feed. 559,219, May 27; Serial No. 574,128, published Jan. 29, 1952. Class 46.
Alco Photo Supply Corporation, New York, N. Y. 559,231, May 27. Photographic chemicals, Serial No. 607,614, published Jan. 15, 1952, Class 6; electrical devices, Serial No. 607,615, published Jan. 15, 1952, Class 21; photographic supplies, Serial No. 583,016, published Jan. 15, 1952, Class 26. (Consolidated certificate, Classes 6, 21, and 26.)
Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. 559,232, May 27; Serial No. 583,072, published Mar. 4, 1952. Class 34.
Allen, Harold R., doing bushiness under the trade name and style "Xservicemen Shoe Company," Brockton, Mass. Men's shoes. 559,280, May 27; Serial No. 600,561, published Feb. 19, 1952. Class 39.
Allen, Robert, Company, Minneapolis, Minn. Watches. 559,478, May 27; Serial No. 609,523. Class 27.
Allied Minerals, Inc., West Chelmsford, Mass. Finely divided filler product. 559,457, May 27; Serial No. 572,404. Class 1.
All Western Plastics Inc., Scottsbluff, Nebr. Cigarette holders made of candy. 559,477, May 27; Serial No. 608,692. Class 46.
Alpha Mills Corporation, Schuylkill Haven, Pa. Women's underwear; and men's, children's and infants' underwear, etc. 559,208, May 27; Serial No. 564,367, published Feb. 6, 1951. Class 39.
Alumni Research Foundation of the College of Medical Evangelists, Loma Linda, Calif. Elongated metal members used for the internal fixation of fractured femurs. 559,294, May 27; Serial No. 602,132, published Mar. 11, 1952. Class 44.
American Aviation Associates, Inc., Washington, D. C., now by change of name American Aviation Publications, Inc. Periodical. 559,455, May 27; Serial No. 546,634. Class 38.
American Aviation Publications, Inc.: *See*—
American Aviation Associates, Inc.
American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 559,341, May 27; Serial No. 612,644, published Nov. 27, 1951. Class 46.
American Cyanamid Company, New York, N. Y. Enzyme preparation. 559,275, May 27; Serial No. 600,315, published Jan. 22, 1952. Class 18.
American Cyanamid Company, New York, N. Y. Enzyme preparation. 559,276, May 27; Serial No. 600,317, published Jan. 22, 1952. Class 18.
American Cyanamid Company, New York, N. Y. Synthetic fiber. 559,401, May 27; Serial No. 616,069, published Mar. 11, 1952. Class 1.
American Molasses Co., by American Molasses Company, New York, N. Y. Molasses. 84,799, Jan. 9, 1912. Republished May 27. Class 46.
American Molasses Company: *See*—
American Molasses Co.
American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa. Radiators. 559,230, May 27; Serial No. 582,881, published Feb. 19, 1952. Class 34.
Anderson Company, The, Gary, Ind. Windshield wiper blades and parts thereof. 559,456, May 27; Serial No. 571,888. Class 19.
Answer Man, The, New York, N. Y. Entertainment Service. 559,438, May 27; Serial No. 559,046, published Mar. 4, 1952. Class 107.
Aquacid Products Co.: *See*—
Lund, Harry W.
Arago Cooperative Cheese Association, Arago, Oreg. Cheese. 559,427, May 27; Serial No. 617,528, published Feb. 26, 1952. Class 46.
Aristocrat Leather Products, Inc., New York, N. Y. Wallets or billfolds. 559,261, May 27; Serial No. 596,771, published Nov. 7, 1950. Class 3.
Arrow Manufacturing Co., Inc., West New York, N. J. Plastic cases. 559,292, May 27; Serial No. 601,590, published Mar. 4, 1952. Class 2.
Artistic Foundations, Inc., New York, N. Y. Brassières. 559,426, May 27; Serial No. 617,332, published Mar. 4, 1952. Class 39.
Athens Stove Works, Inc., The: *See*—
Vesta Gas Range and Manufacturing Co.
Atlas Imperial Diesel Engine Co., Oakland, Calif., by The National Supply Company, Pittsburgh, Pa. Internal combustion engines. 294,189, May 24, 1932. Republished May 27. Class 23.
Attorney General of The United States, vested in The: *See*—
Bilhuber, E., Inc.
Avedis Zildjian Company, Norfolk Downs, to Avedis Zildjian Company, Quincy, Mass. Cymbals. 296,179, renewed July 26, 1952. O. G. May 27. Class 36.
Avonnac Shoe Company, Chicago, Ill. Men's, women's, and children's shoes. 559,390, May 27; Serial No. 615,528, published Feb. 26, 1952. Class 39.
Babcox, Edward S., doing business as The Babcox Publications, to Babcox Publications, Inc., Akron, Ohio. Periodicals. 291,823, renewed Feb. 23, 1952. O. G. May 27. Class 38.
Babcox Publications, The: *See*—
Babcox, Edward S.
Babcox Publications, Inc.: *See*—
Babcox, Edward S.
Baitch & Castaldi, Inc., New York, N. Y. Ladies', misses', and Juniors' coats and suits. 559,367, May 27; Serial No. 614,609, published Feb. 26, 1952. Class 39.
Baker Brush Co., Inc., New York, N. Y. Paint brushes. 559,481, May 27; Serial No. 610,115. Class 29.
Baker-Roos, Inc., Indianapolis, Ind. Leasing of clamps for concrete-column forms. 559,444, May 27; Serial No. 606,963, published Mar. 4, 1952. Class 103.
Barrell, William L., Company, New York, N. Y. Canvas roofing. 87,145, re-renewed July 2, 1952. O. G. May 27. Class 12.
Bartmann & Bixer, Inc., New York, N. Y. Net window curtains. 559,323, May 27; Serial No. 607,921, published Mar. 11, 1952. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 559,422, May 27; Serial No. 617,075, published Mar. 11, 1952. Class 42.
Bausch & Lomb Optical Company, Rochester, N. Y. Lens grinding and polishing abrasive compounds. 559,241, May 27; Serial No. 588,733, published Mar. 11, 1952. Class 4.
Bayshore Industries, Inc., Elkton, Md. Halloween, masquerade, and party costumes. 559,431, May 27; Serial No. 621,642, published Feb. 26, 1952. Class 39.
Beacon Lead & Color Works, Inc., Brooklyn, N. Y. Paints. 559,264, May 27; Serial No. 597,935, published Mar. 4, 1952. Class 16.
Bearfoot Sole Company, Inc., The, Boston, Mass. Soles and heels. 559,388, May 27; Serial No. 615,477, published Feb. 26, 1952. Class 39.
Beatrice Steel Tank Manufacturing Company, Beatrice, Nebr. Metal barrels. 559,193, May 27; Serial No. 527,415, published Mar. 4, 1952. Class 2.

Becker, Henry, & Son, Inc., Roseland, N. J. Fluid milk and cream, butter, fresh eggs and cheese. 559,355, May 27; Serial No. 613,625, published Jan. 22, 1952. Class 46.

Becker's, Mrs., Noodle Company, Cleveland, Ohio. Noodles. 559,245, May 27; Serial No. 590,008, published Feb. 12, 1952. Class 46.

Beech-Nut Packing Company, Canajoharie, N. Y. Chewing gum. 559,479, May 27; Serial No. 609,527. Class 46.

Bemis Bro. Bag Company, St. Louis, Mo. Burlap bags. 559,460, May 27; Serial No. 576,032. Class 2.

Best Foods, Inc., The: *See*—
Shinola Company.

Biedermann Bros. to Biedermann Brothers Inc., Chicago, Ill. Coffee. 85,224, re-renewed Feb. 6, 1952. O. G. May 27. Class 46.

Biedermann Brothers Inc.: *See*—
Biedermann Bros.

Big Jack Manufacturing Company, Inc., Bristol, Va. Boys' dungarees. 559,257, May 27; Serial No. 594,948, published Oct. 9, 1951. Class 39.

Bilhuber, E., Inc., Jersey City, N. J., vested in the Attorney General of the United States, Washington, D. C. Medical preparation. 291,880, renewed Feb. 23, 1952. O. G. May 27. Class 18.

Blumenthal, Ben, to L. Heller & Son, Inc., New York, N. Y. Artificial pearls, synthetic emeralds, synthetic rubies, etc. 291,506, renewed Feb. 9, 1952. O. G. May 27. Class 28.

Bobby Pops Corp., Rochester, N. Y. Frozen confections on a stick. 559,296, May 27; Serial No. 602,359, published Feb. 26, 1952. Class 46.

Bone Dry Shoe Mfg. Co., Tacoma, Wash. Leather work shoes. 559,301, May 27; Serial No. 603,832, published Feb. 26, 1952. Class 39.

Bostwick Laboratories, Inc., Bridgeport, Conn. Chrome aluminum enamel, and a liquid plastic. 559,328, May 27; Serial No. 609,778, published Mar. 4, 1952. Class 16.

Bourjois, A., & Co., Inc., to Bourjois, Inc., New York, N. Y. Toilet preparations. 120,330, Feb. 5, 1918. New certificate. O. G. May 27. Class 51.

Bourjois, Inc.: *See*—
Bourjois, A., & Co., Inc.

Braun, B., Melsungen, Hessen, Germany. Catgut for surgical use. 559,277, May 27; Serial No. 600,466, published Mar. 11, 1952. Class 44.

Bredin, Lewis L., doing business as Vitalitea Products Company, Pacific Palisades, Calif. Tea. 559,287, May 27; Serial No. 601,192, published Feb. 26, 1952. Class 46.

Brewer & Company Inc., Worcester, Mass. Tonic for the treatment of anemia and allied conditions. 290,038, Dec. 22, 1931. Republished May 27. Class 18.

Bruce, E. L., Company, Memphis, Tenn. Insecticides. 290,733, Jan. 12, 1932. Republished May 27. Class 6.

Bulova Watch Company, Inc., New York, N. Y. Photographic recorder. 559,218, May 27; Serial No. 573,523, published Jan. 15, 1952. Class 26.

Bultfabriks Aktiebolaget, Hallstahammar, Sweden. Bolts, nuts, and metal washers. 291,080, Jan. 26, 1932. Republished May 27. Class 13.

Bunte Brothers: *See*—
Teakwood, Inc.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 559,474, May 27; Serial No. 605,462. Class 42.

Burnand, A. A., Jr.: *See*—
Burnand & Company, Inc.

Burnand & Company: *See*—
Burnand & Company, Inc.

Burnand & Company, Inc., Los Angeles, Calif., by A. A. Burnand, Jr., doing business as Burnand & Company, Nogales, Ariz. Fresh deciduous and citrus fruits, fresh grapes, and fresh vegetables. 311,944, Apr. 10, 1934. Republished May 27. Class 46.

Burt, Edwin C., Company, New York and Brooklyn, N. Y., to The Selby Shoe Company, Portsmouth, Ohio. Leather boots, shoes, and slippers. 87,160, re-renewed July 2, 1952. O. G. May 27. Class 39.

C R I Corporation, New York, N. Y. Rust-inhibiting germicide. 559,416, May 27. Serial No. 616,758, published Mar. 11, 1952. Class 6.

Cadillac Textiles Incorporated, Valley Falls, R. I. Textile fabrics. 559,394, May 27; Serial No. 615,815, published Mar. 11, 1952. Class 42.

Cahn, Bernard, Co., Inc., New York, N. Y. Wallets, purses and handbags. 559,406, May 27; Serial No. 616,360, published Mar. 11, 1952. Class 3.

Cahn, Bernard, Co., Inc., New York, N. Y. Wallets and purses. 559,407, May 27; Serial No. 616,361, published Mar. 11, 1952. Class 3.

Candymasters Incorporated, Minneapolis, Minn. Candy bars. 559,368, May 27; Serial No. 614,650, published Jan. 22, 1952. Class 46.

Cash Economy Wholesale Grocery Co., doing business under the style name of Keco Milling Co. and U-Tote-Em Grocery Company, McKenzie, Tenn. Wheat flour, coffee, corn meal, etc. 559,204, May 27; Serial No. 552,940, published Mar. 4, 1952. Class 46.

Casimir Funk Laboratories, Inc., New York, N. Y. Medicinal preparation. 559,255, May 27; Serial No. 593,331, published Jan. 22, 1952. Class 18.

Chain Belt Company: *See*—
Thermal Engineering Corporation.
Thermal Research Corporation.

Chain Belt Company, Milwaukee, Wis. Chain belt. 94,883, Jan. 13, 1914. Republished May 27. Class 23.

Chain Belt Company, Milwaukee, Wis. Sprocket, drive, conveying, and power-transmission chains. 184,149, May 20, 1924. Republished May 27. Class 13.

Chain Belt Company, Milwaukee, Wis. Power transmission chain. 418,526, Jan. 1, 1946. Republished May 27. Class 23.

Champion Hardware Company, The, assignee: *See*—
Champion Safety Lock Company, The.

Champion Safety Lock Company, The, assignor to The Champion Hardware Company, to The Champion Hardware Company, Geneva, Ohio. Base-knobs, casement-window adjusters and fasteners, cellar-window fasteners, etc. 87,601, re-renewed July 30, 1952. O. G. May 27. Class 13.

Cheez Whip, Inc., Buffalo, N. Y. Cottage cheese. 559,258, May 27; Serial No. 595,446, published Feb. 26, 1952. Class 46.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Hair tonic. 293,600, renewed May 3, 1952. O. G. May 27. Class 51.

Chisholm-Moore Hoist Corporation, Tonawanda, N. Y. Overhead trolleys and parts thereof. 559,246, May 27; Serial No. 590,303, published Feb. 19, 1952. Class 23.

Christians, H. C., Co., Chicago, Ill., and Johnson Creek, Wis. Cheese, cheese food, and butter. 559,222, May 27; Serial No. 576,520, published Feb. 12, 1952. Class 46.

Chrysler Corporation, Highland Park, Mich. Bearings for machinery. 294,227, renewed May 24, 1952. O. G. May 27. Class 23.

Church & Dwight Co., Inc., New York and Syracuse, N. Y. Detergent. 559,320, May 27; Serial No. 607,579, published Mar. 11, 1952. Class 52.

Clairmont-Nichols, Inc., New York, N. Y. Spectacles. 559,359, May 27; Serial No. 613,803, published Jan. 15, 1952. Class 26.

Clark, William, & Sons Limited, Upperlands, Northern Ireland. Textile fabrics. 559,342, May 27; Serial No. 612,730, published Mar. 11, 1952. Class 42.

Clix Corporation, New York, assignor to Commodity Distributors Inc., to Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. 292,098, renewed Mar. 1, 1952. O. G. May 27. Class 23.

Cobblers Incorporated, Los Angeles, Calif. Women's shoes. 559,333, May 27; Serial No. 611,503, published Feb. 26, 1952. Class 39.

Colorado Milling & Elevator Company, The, doing business as The Hungarian Flour Mills Co., Denver, Colo. Wheat flour. 559,201, May 27; Serial No. 551,611, published Feb. 19, 1952. Class 46.

Colt Shoe Company, Boston, Mass. Shoes. 559,306, May 27; Serial No. 604,904, published Feb. 26, 1952. Class 39.

Comfort Products Corp., Dallas, Tex. Evaporative coolers. 559,253, May 27; Serial No. 593,110, published Feb. 19, 1952. Class 34.

Commerce Manufacturing Company, Inc., Commerce, Ga. Dungarees. 559,408, May 27; Serial No. 616,365, published Mar. 11, 1952. Class 39.

Commodity Distributors Inc., assignee: *See*—
Clix Corporation.

Condon, Maurice L., Co., Inc., White Plains, N. Y. Pigmented varnish. 559,299, May 27; Serial No. 602,825, published Mar. 4, 1952. Class 16.

Conrad Razor Blade Co. Inc.: *See*—
Clix Corporation.

Cope, Martin H., Company, Rheems, Pa. Canned evaporated sweet corn and dried packaged sweet corn. 559,410, May 27; Serial No. 616,626, published Feb. 26, 1952. Class 46.

Coro, Inc., New York, N. Y. Glue. 559,369, May 27; Serial No. 614,754, published Mar. 11, 1952. Class 5.

Cortland Line Company, Inc., Cortland, N. Y. Bait casting fishing line. 559,303, May 27; Serial No. 604,506, published Dec. 4, 1951. Class 22.

Couri-Amoury Inc., New York, N. Y. Infants' diapers. 559,262, May 27; Serial No. 597,130, published Mar. 4, 1952. Class 39.

Crompton & Knowles Loom Works, Worcester, Mass. Looms and parts thereof. 559,307, May 27; Serial No. 605,148, published Jan. 8, 1952. Class 23.

Cross Company, The, Detroit, Mich. Gauges. 559,260, May 27; Serial No. 596,157, published Jan. 8, 1952. Class 26.

Crown Togs Sportswear Co., New York, N. Y. Men's, boys' and children's outer garments. 559,400, May 27; Serial No. 616,016, published Mar. 11, 1952. Class 39.

Crundall, A. H., Proprietary Limited, Melbourne, Victoria, Australia. Refillable vaporizers. 559,273, May 27; Serial No. 600,006, published Mar. 11, 1952. Class 44.

Dacar Products Company, The, Canton, Ohio, to The Dacar Products Company, Pittsburgh, Pa. Concentrated boiler water treating liquid, concentrated anti-freeze liquid, and concentrated automobile radiator cleaning liquid. 295,747, renewed July 12, 1952. O. G. May 27. Class 52.

Daniels, C. R., Inc., Baltimore, Md. Oil heaters. 559,216, May 27; Serial No. 570,250, published Mar. 4, 1952. Class 34.

Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting, and pillow cases. 559,377, May 27; Serial No. 615,163, published Mar. 11 1952. Class 42.

Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting, and pillow cases. 559,380, May 27; Serial No. 615,271, published Mar. 11, 1952. Class 42.

Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. 559,381, May 27; Serial No. 615,272, published Mar. 11, 1952. Class 42.

Davis, W. A., Milling Company, High Point, N. C. Dog food. 559,270, May 27; Serial No. 598,787, published Mar. 11, 1952. Class 46.

Day's Tailor-d Clothing, Inc., Tacoma, Wash. Piece goods. 559,297, May 27; Serial No. 602,548, published Feb. 26, 1952. Class 42.

Diaper Service Institute of America, The, Philadelphia, Pa. Diaper rental service. 559,447, May 27; Serial No. 587,429, published Mar. 4, 1952. Class 100.

Diaz, Fidel J., Tampa, Fla. Cigars. 559,449, May 27; Serial No. 485,724. Class 17.

Donley Brothers Company, The, Cleveland, Ohio. Fireplace dampers; log rests; ash dumps; etc. 559,215, May 27; Serial No. 568,594, published Feb. 19, 1952. Class 34.

Doughty, John Carr, Limited, Leicester, England. Articles of knitted clothing. 559,315, May 27; Serial No. 607,008, published Mar. 4, 1952. Class 39.

Dow Chemical Company, The, to The Dow Chemical Company, Midland, Mich. Construction materials. 293,057, renewed Apr. 5, 1952. O. G. May 27. Class 12.

Dresner, S., & Son, Inc., Chicago, Ill. Portable handbags. 559,458, May 27; Serial No. 572,489. Class 3.

Duncan, Roscoe A., Cedartown, Ga. Rubbing liniment. 559,221, May 27; Serial No. 576,483, published Jan. 22, 1952. Class 18.

Du Pont, E. I., de Nemours and Company: *See*—
Kinetic Chemicals, Inc.
Roessler & Hasslacher Chemical Company, The.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Synthetic methanol. 293,917, May 10, 1932. Republished May 27. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polytetrafluoroethylene coatings. 559,331, May 27; Serial No. 611,080, published Mar. 4, 1952. Class 16.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polish. 559,378, Mar. 27; Serial No. 615,166, published Mar. 11, 1952. Class 4.

E-Z Bake Products Company, Pittsburgh, Pa., now by change of name Town Square Foods, Inc. Frozen strawberry shortcake. 559,318, May 27; Serial No. 607,169, published Jan. 15, 1952. Class 46.

Eastern Color Printing Company, The, Waterbury, Conn. Comic magazines, stories in text and pictorial form, etc. 559,465, May 27; Serial No. 591,722. Class 38.

Edlin, A. J., Manufacturing Co., Inc., St. Louis, Mo. Women's and misses' blouses. 559,423, May 27; Serial No. 617,111, published Mar. 4, 1952. Class 39.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishhooks. 559,351, May 27; Serial No. 613,439, published Feb. 19, 1952. Class 22.

Esquire, Inc., Chicago, Ill. Developed motion picture film, frames thereof and reproductions thereof on film, etc. 559,191, May 27; Serial No. 479,558, published Jan. 8, 1952. Class 26.

Estabelecimentos Manuel da Silva Torrado & Ca. (Irmãos), Sacavem de Baixo and Lisbon, Portugal. Ripe olives. 559,240, May 27; Serial No. 588,017, published Feb. 26, 1952. Class 46.

Ethicon Suture Laboratories Incorporated, New Brunswick, N. J. Sutures and ligatures. 559,288, May 27; Serial No. 601,205, published Mar. 11, 1952. Class 44.

Eureka Williams Corporation, Bloomington, Ill. Heating and air conditioning apparatus. 559,234, May 27; Serial No. 583,647, published Feb. 19, 1952. Class 34.

Exeter Fruit Association: *See*—
Hollenbeck, George J.

FR Corporation, The, New York, N. Y. Projector. 559,338, May 27; Serial No. 612,318, published Jan. 15, 1952. Class 26.

Faehndrich, William, Inc., New York, N. Y. Cheese. 291,873, renewed Feb. 23, 1952. O. G. May 27. Class 46.

Falls City Creamery Company, Falls City, Nebr. Food compound. 559,417, May 27; Serial No. 616,907, published Feb. 26, 1952. Class 46.

Farrell-Cheek Steel Company, Sandusky, Ohio. Parts for use in heavy industrial equipment such as cranes, locomotives, power trucks, etc. 559,454, May 27; Serial No. 541,273. Class 23.

Feinberg-Wiesen, Inc., New York, N. Y. Dresses and ladies' suits. 559,247, May 27; Serial No. 591,154, published Feb. 26, 1952. Class 39.

Fiat Società per Azioni, Turin, Italy. Hydraulic brakes for aircraft and motor vehicles. 559,473, May 27; Serial No. 605,357. Class 19.

Fine Organics, Inc., New York, N. Y. Alkali cleaning composition. 559,324, May 27; Serial No. 608,597, published Feb. 26, 1952. Class 52.

Fine Organics, Inc., New York, N. Y. Cleaning composition. 559,325, May 27; Serial No. 608,598, published Feb. 26, 1952. Class 52.

Fino Fabrieken, Harderwijk, Netherlands. Canned soups; canned and powdered soup bases, etc. 559,209, May 27; Serial No. 565,254, published Jan. 22, 1952. Class 46.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural, synthetic and imitation food flavors. 559,295, May 27; Serial No. 602,253, published Feb. 12, 1952. Class 46.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Fitch, F. W., Co., The, Des Moines, Iowa, to The Grove Laboratories, Inc., St. Louis, Mo. Hair dressing. 292,353, renewed Mar. 15, 1952. O. G. May 27. Class 51.

Flexaide Co., New York, N. Y. Therapeutic apparatus. 559,274, May 27; Serial No. 600,040, published Feb. 19, 1952. Class 44.

Fliegelman, Israel, New York, N. Y. Fur skins. 559,386, May 27; Serial No. 615,380, published Mar. 11, 1952. Class 1.

Florsheim Shoe Company, The, Chicago, Ill. Men's and women's shoes and boots. 559,429, May 27; Serial No. 618,494, published Feb. 26, 1952. Class 39.

Food Machinery and Chemical Corporation, San Jose, Calif. Tractors. 559,223, May 27; Serial No. 577,379, published Jan. 15, 1952. Class 23.

Foreman & Clark, Los Angeles, Calif. Men's suits and slacks, sport coats, lounger jackets, etc. 559,370, May 27; Serial No. 614,767, published Feb. 19, 1952. Class 39.

Forest City Foundries Company, The, Cleveland, Ohio. Repair and replacement parts for heating, ventilating, and air-conditioning structures. 295,446, renewed July 5, 1952. O. G. May 27. Class 34.

Forsberg, H., Co., Cleveland, Ohio. Liquid used as a bonding and protective coating on surfaces of all kinds. 559,290, May 27; Serial No. 601,353, published Mar. 4, 1952. Class 16.

Foster Manufacturing Co. Inc., St. Louis, Mo. Hose couplings. 559,475, May 27; Serial No. 605,734. Class 13.

French, R. T., Company, The: *See*—
Reckitt & Sons, Ltd.

Fruit of the Loom, Inc.: *See*—
Knight, B. B. & R., Corporation.

General Aniline & Film Corporation, New York, N. Y. Chemical compounds, compositions and preparations. 559,404, May 27; Serial No. 616,286, published Mar. 11, 1952. Class 18.

General Foods Corporation, New York, N. Y. Frozen vegetables and frozen poultry. 559,382, May 27; Serial No. 615,276, published Feb. 26, 1952. Class 46.

General Mills, Inc., Minneapolis, Minn. Pancake flour. 295,825, renewed July 12, 1952. O. G. May 27. Class 46.

General Mills, Inc., Minneapolis, Minn. Wheat flour. 295,826–7, renewed July 12, 1952. O. G. May 27. Class 46.

General Mills, Inc., Minneapolis, Minn. Wheat flour. 295,844–8, renewed July 12, 1952. O. G. May 27. Class 46.

General Time Corporation: *See*—
Thomas, Seth, Clock Company.

Gerry Nufoam Shoe Corporation, New York, N. Y. Women's and children's shoes and slippers. 559,311, May 27; Serial No. 606,466, published Feb. 26, 1952. Class 39.

Geuting, A. H., Company, assignor to The Geuting Company, Philadelphia, Pa. Men's leather shoes. 559,196, May 27; Serial No. 541,130, published Feb. 26, 1952. Class 39.

Geuting Company, The, assignee: *See*—
Geuting, A. H., Company.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 294,217, renewed May 24, 1952. O. G. May 27. Class 23.

Givaudan-Delawanna, Inc., New York, N. Y. Phenolic organic chemicals used in soaps. 559,272, May 27; Serial No. 599,631, published Mar. 11, 1952. Class 52.

Goodin, Isaac, Ontario, Calif. Electric motor driven centrifugal pumps. 559,286, May 27; Serial No. 601,141, published Jan. 8, 1952. Class 23.

Grapico Company of America, Inc., Birmingham, Ala. Carbonated, non-alcoholic, non-cereal, maltless beverages. 559,453, May 27; Serial No. 539,153. Class 45.

Graves Brothers Company, Wabasso, Fla. Fresh citrus fruits. 559,371, May 27; Serial No. 614,769, published Feb. 5, 1952. Class 46.

Gravymaster Company, Inc., Long Island City, N. Y. Prepared gravies. 559,329, May 27; Serial No. 609,923, published Feb. 26, 1952. Class 46.

Graytogs, Inc., New York, N. Y. Fabrics. 559,397, May 27; Serial No. 615,979, published Mar. 11, 1952. Class 42.

Great American Industries, Inc., Bedford, Va. Expanded rubber heat insulated ice bucket. 559,461, May 27; Serial No. 581,947. Class 2.

Greenberg, Louis, & Son, Inc., New York, N. Y. Harmonicas. 559,330, May 27; Serial No. 610,555, published Mar. 11, 1952. Class 36.

Gristede Bros., Inc., New York, N. Y. Canned vegetables. 559,375, May 27; Serial No. 615,117, published Jan. 22, 1952. Class 46.

Grove Laboratories, Inc., The: *See*—
Fitch, F. W., Co., The.

Grove Laboratories, Inc., The, St. Louis, Mo. Shampoo. 559,383, May 27; Serial No. 615,317, published Mar. 11, 1952. Class 52.

Gutmann, Carl, & Co., Inc., New York, N. Y. Ladies' and misses' sweaters, blouses and outer sport shirts. 559,310, May 27; Serial No. 605,900, published Mar. 4, 1952. Class 39.

H. D. T. Company Factors, Inc.: *See*—
Triantafillu, Harry D.

Haas, Eduard, Sr., doing business under the style Nahrmittelfabrik Ed. Haas, Linz, Austria. Sweets. 559,256, May 27; Serial No. 594,457, published Feb. 19, 1952. Class 46.

Hagerstown Rubber Company, The, Hagerstown, Md. Rubber soles and heels. 559,233, May 27; Serial No. 583,199, published Dec. 26, 1950. Class 39.

Hahn, William, & Company, Washington, D. C. Men's, women's, and children's shoes. 559,203, May 27; Serial No. 552,374, published Apr. 3, 1951. Class 39.

Halben Food Manufacturing Co., Inc., St. Louis, Mo. Barbecue sauce, salad dressing, sandwich spread, etc. 559,391, May 27; Serial No. 615,551, published Jan. 29, 1952. Class 46.

Hampshire Manor: *See*—
Schwartz, Charles L.

Hart, Schaffner & Marx, Chicago, Ill. Men's suits, trousers, vests, coats, etc. 559,384, May 27; Serial No. 615,320, published Feb. 19, 1952. Class 39.

Havmor Food Products, Inc., New York and Brooklyn, N. Y., to Havmor Food Products, Inc., Brooklyn, N. Y. Potato chips. 291,724, renewed Feb. 23, 1952. O. G. May 27. Class 46.

Heil-Coil Corporation: *See*—
Aircraft Screw Products Company, Incorporated.

Heller, L., & Son, Inc.: *See*—
Blumenthal, Ben.

Heller, R. C., Co., Inc., Baltimore, Md. Mattresses. 293,002, renewed Apr. 5, 1952. O. G. May 27. Class 32.

Heublein, G. F., & Bro., Inc.: *See*—
Ste. Pierre Smirnoff Fls. Incorporated.

Hill, Roberta, New Bedford, Mass. Information service. 559,441, May 27; Serial No. 601,393, published Mar. 4, 1952. Class 107.

Hillyard Chemical Company, St. Joseph, Mo. Liquid oil-based finish for wood floors. 559,372, May 27; Serial No. 614,941, published Mar. 4, 1952. Class 10.

Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. 296,223, renewed Aug. 2, 1952. O. G. May 27. Class 39.

Hollenbeck, George J., Sacramento, by Exeter Fruit Association, Exeter, Calif. Fresh vegetables. 244,375, July 17, 1928. Republished May 27. Class 46.

Hollins, William, & Company Limited, Nottingham, England. Women's garments, men's and boys' garments, etc. 559,345, May 27; Serial No. 612,911, published Mar. 4, 1952. Class 39.

Holly Manufacturing Company, Pasadena, Calif. Space heaters. 559,213, May 27; Serial No. 560,587, published Feb. 19, 1952. Class 34.

Holmes, Archibald, & Son, Philadelphia, Pa. Carpets and rugs. 559,412–13, May 27; Serial Nos. 616,707–08, published Mar. 11, 1952. Class 42.

Horwitt, Nathan G., doing business as Yankee Foods, Lee, Mass. Noodles. 559,335, May 27; Serial No. 611,700, published Jan. 8, 1952. Class 46.

Hubrite Informal Frocks, Inc., Boston, Mass. Children's, women's, ladies' and misses' dresses. 559,469, May 27; Serial No. 598,186. Class 39.

Hudnut, Richard, New York, N. Y. Hair waving lotion. 559,210, May 27; Serial No. 565,624, published Jan. 29, 1952. Class 51.

Hungerian Flour Mills Co., The: *See*—
Colorado Milling & Elevator Company, The.

Huwood-Irwin Corporation, Irwin, Pa. Belt and chain conveyors. 559,334, May 27; Serial No. 611,608, published Jan. 8, 1952. Class 23.

Hylin & Co. Fabriks Aktiebolag, Stockholm, Sweden. Liquid shaving soap. 85,585, re-renewed Feb. 27, 1952. O. G. May 27. Class 51.

Ideal Toy Corporation, Hollis, N. Y. Plastic toy soap dish. 559,430, May 27; Serial No. 619,756, published Mar. 4, 1952. Class 22.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Cutting heads. 559,314, May 27; Serial No. 606,942, published Feb. 19, 1952. Class 23.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Core drills. 559,340, May 27; Serial No. 612,547, published Jan. 15, 1952. Class 23.

International Baton Twirling Foundation, Johnstown, Pa. Teaching of the art of baton twirling, and also furnishing baton twirlers. 559,445, May 27; Serial No. 614,507, published Mar. 4, 1952. Class 107.

Jaburg Brothers, Inc., to R. C. Williams & Company, Inc., New York, N. Y. Publications. 291,296, renewed Feb. 9, 1952. O. G. May 27. Class 38.

Jefferson Union Company, Inc., Lexington, Mass. Metal pipe fittings. 288,070, Oct. 20, 1931. Republished May 27. Class 13.

Johnson & Johnson, New Brunswick, N. J. Small kit of emergency first aid supplies. 559,265, May 27; Serial No. 598,082, published Feb. 26, 1952. Class 44.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. 559,339, May 27; Serial No. 612,400, published Feb. 26, 1952. Class 39.

Kaiser Aluminum and Chemical Corporation, Oakland, Calif. Calcined alumina and hydrated alumina. 559,485, May 27; Serial No. 611,279. Class 6.

Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. 292,590, Mar. 15, 1932. Republished May 27. Class 39.

Keco Milling Co.: *See*—
Cash Economy Wholesale Grocery Co.

Keil, Wilfred B., Clinton, Iowa. Powdered soluble coffee and prepared soluble coffee beverage with cream and/or sugar added. 559,487, May 27; Serial No. 612,549. Class 46.

Keystone View Company, Meadville, Pa. Educational appliance consisting of a shutter arranged for timing accurately the exposure of indicia projects onto a screen. 559,206, May 27; Serial No. 555,892, published Jan. 15, 1952. Class 26.

Kinetic Chemicals, Inc., by E. I. du Pont de Nemours and Company, Wilmington, Del. Fluorinated hydrocarbons. 293,850, May 10, 1932. Republished May 27. Class 6.

Knapp Mills Incorporated, Long Island City, N. Y. Heating and cooling coils. 559,418, May 27; Serial No. 616,912, published Feb. 19, 1952. Class 34.

Knight, B. B. & R., Corporation, to Fruit of the Loom, Inc., Providence, R. I. Cloth in the piece. 294,725, renewed June 7, 1952. O. G. May 27. Class 42.

Knit Products Corporation, Belmont, N. C. Ladies' hosiery. 559,332, May 27; Serial No. 611,365, published Mar. 4, 1952. Class 39.

Kohnstamm, H., & Co., Inc., New York, N. Y. Pigment colors and lake colors. 559,459, May 27; Serial No. 574,039. Class 6.

Koret of California, Inc., San Francisco, Calif. Women's, misses' and children's outerwear. 559,466, May 27; Serial No. 592,375. Class 39.

Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Elastic loom-web and elastic lisle-web in narrow strip or ribbon form and elastic cords and braids. 294,853, renewed June 7, 1952. O. G. May 27. Class 40.

Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.

Kuhlman, Arthur L., Ann Arbor, Mich. Electrical plugs and sockets. 388,877, July 15, 1941. Republished May 27. Class 21.

Kuhlman, Arthur L., Bay City, Mich. Concrete blocks. 418,502, Jan. 1, 1946. Republished May 27. Class 12.

Kurfees Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamels, prepared or ready-mixed liquid paints, etc. 559,471, May 27; Serial No. 602,458. Class 16.

Kurfees Paint Company, Louisville, Ky. Asbestos roof cement in paste and liquid form, roofer's pitch or lap cement, etc. 559,472, May 27; Serial No. 602,459. Class 12.

L. G. S. Spring Clutch Corporation, Indianapolis, Ind., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Spring clutch mechanism units and parts thereof. 559,226, May 27; Serial No. 581,195, published Jan. 8, 1952. Class 23.

Lane Bryant, Inc., New York, N. Y. Hosiery, shoes of leather and fabric, rubbers, underwear, etc. 293,400, renewed Apr. 19, 1952. O. G. May 27. Class 39.

Lane Bryant, Inc., New York, N. Y. Hosiery, shoes of leather and fabric, rubbers, underwear, etc. 293,873, renewed May 10, 1952. O. G. May 27. Class 39.

La Rosa, V., & Sons, Inc., Brooklyn, N. Y. Alimentary pastes. 293,297, renewed Apr. 19, 1952. O. G. May 27. Class 46.

Laser, Emily M., Palm Springs, Calif. Portable massaging device. 559,249, May 27; Serial No. 591,787, published Mar. 11, 1952. Class 44.

Lawter Chemicals, Inc., Chicago, Ill. Fluorescent paint. 559,289, May 27; Serial No. 601,266, published Mar. 4, 1952. Class 16.

Le Fevre, R. T., and J. O. Stevenson, Los Angeles, Calif. Game. 559,360, May 27; Serial No. 613,878, published Mar. 4, 1952. Class 22.

Leonard, Royal, Inc., Glendale, Calif. Trouser leg protectors. 559,398, May 27; Serial No. 615,986, published Mar. 11, 1952. Class 39.

Leslie-Henry Co., Inc., New York, N. Y. Toy pistols and holster sets. 559,293, May 27; Serial No. 601,875, published Feb. 26, 1952. Class 22.

Libby, McNeill & Libby, Chicago, Ill. Bouillon cubes, beef extract, and fresh prepared, pickled, dried and canned beef, etc. 293,467, renewed Apr. 26, 1952. O. G. May 27. Class 46.

Liquid Glass Corporation, New York, N. Y. Automobile polish. 559,278, May 27; Serial No. 600,494, published Mar. 11, 1952. Class 4.

Litt, Jack, Inc.: *See*—
Towne Togs, Inc.

Lively Lad Manufacturing Company, Inc., Clarksville, Tenn. Hand tools, hoes and tobacco knives. 559,248, May 27; Serial No. 591,337, published Jan. 1, 1952. Class 23.

London Pride Limited, London, England. Articles of outer clothing for women and children. 559,266, May 27; Serial No. 598,085, published Feb. 26, 1952. Class 39.

Lovatel, C. M., & Co., Inc., Seattle, Wash. Nickel babbitt metal. 293,617, renewed May 3, 1952. O. G. May 27. Class 14.

Lovatel, C. M., & Co., Inc., Seattle, Wash. Dry kilns. 559,211, May 27; Serial No. 566,347, published Feb. 26, 1952. Class 34.

Lowe, Joe, Corporation, Wilmington, Del., and Brooklyn, N. Y., to Joe Lowe Corporation, New York, N. Y. Vegetable pure food colloid ice cream stabilizer standardized. 294,713, renewed June 7, 1952. O. G. May 27. Class 46.

Ludlow Manufacturing Associates, to Ludlow Manufacturing & Sales Co., Boston, Mass. Jute webbing. 293,792–3, renewed May 3, 1952. O. G. May 27. Class 42.

Ludlow Manufacturing & Sales Co.: *See*—
Ludlow Manufacturing Associates.

Lund, Harry W., doing business as Aquacid Products Co., Minneapolis, Minn. Liquid cleaning fluid. 291,209, renewed Feb. 2, 1952. O. G. May 27. Class 52.

Magnuson Engineers: *See*—
Magnuson, Roy M.

Magnuson, Roy M., doing business as Magnuson Engineers, San Jose, Calif. Hydraulically operated apparatus. 559,302, May 27; Serial No. 603,960, published Jan. 8, 1952. Class 23.

Makers of Kal, Inc., Los Angeles, Calif. Vitamin C and rutin. 559,361, May 27; Serial No. 613,932, published Jan. 29, 1952. Class 18.

Mara Laboratories, Inc., The, Harrison, N. J. Medicinal preparation. 559,347, May 27; Serial No. 613,079, published Jan. 15 1952. Class 18.

Marine Products Company, San Diego, Calif. Frozen fresh shrimp. 559,312, May 27; Serial No. 606,535, published Jan. 1, 1952. Class 46.

Marques, Neves & Companhia, Limitada, Setubal, Portugal. Sardines. 559,326, May 27; Serial No. 608,994, published Jan. 1, 1952. Class 46.

Marquette Metal Products Company, The: *See*—
L. G. S. Spring Clutch Corporation.

Martin, J. Kendley, Atlanta, Ga., doing business as The Standard Feed Milling Company, Hopkinsville, Ky. Poultry feeds, turkey feeds and livestock feeds. 559,212, May 27; Serial No. 566,527, published Feb. 26, 1952. Class 46.

Mason Tackle, Otisville, Mich. Composite unit consisting of a fishing line leader and dispenser. 559,291, May 27; Serial No. 601,449, published Mar. 4, 1952. Class 22.

Master Glass Company: *See*—
Master Marble Company.

Master Marble Company, by Master Glass Company, Clarksburg, W. Va. Marbles. 290,066, Dec. 22, 1931. Republished May 27. Class 22.

McAdams, Harry, doing business as Tulip Hosiery Finishing Co., Philadelphia, Pa. Finishing of hosiery. 559,434, May 27; Serial No. 585,757, published Mar. 4, 1952. Class 103.

McCormick & Company, Inc., Baltimore, Md. Tea, salad dressing, prepared mustard, etc. 559,374, May 27; Serial No. 615,076, published Jan. 22, 1952. Class 46.

McCrory Stores Corporation, New York, N. Y. Absorbent cotton, absorbent gauze, and sanitary napkins. 294,338, renewed May 24, 1952. O. G. May 27. Class 44.

Meat Products Company, The, Cleveland, Ohio. Dog food. 348,048, July 13, 1937. Republished May 27. Class 46.

Mennel Milling Company, The, Fostoria and Toledo, Ohio. Wheat flour. 559,238, May 27; Serial No. 587,342, published Feb. 26, 1952. Class 46.

Mennel Milling Company, The, Fostoria and Toledo, Ohio. Wheat flour. 559,239, May 27; Serial No. 587,345, published Feb. 26, 1952. Class 46.

Merritt, E. W., Porterville, Calif. Fresh melons, fresh grapes, and fresh vegetables. 559,199, May 27; Serial No. 548,091, published Jan. 1, 1952. Class 46.

Michel, William G., Three Rivers, Mich. Kit containing perforated metal channels, length of chain, etc. 559,470, May 27; Serial No. 600,604. Class 13.

Mills Industries, Incorporated, Chicago, Ill. 559,271, May 27. Vending machines, Serial No. 599,519, published July 10, 1951, Class 23; beverage coolers, refrigeration condensing units, ice cream freezers, etc., Serial No. 599,520, published Oct. 16, 1951, Class 31. (Consolidated certificate, Classes 23 and 31.)

Miner-Hillard Milling Co., Wilkes-Barre, Pa. Dry paper-hanger's paste and paper hanger's wall size. 291,283, renewed Feb. 9, 1952. O. G. May 27. Class 5.

Miner-Hillard Milling Co., Wilkes-Barre, Pa. Paper-hanger's wall size. 293,476, renewed Apr. 26, 1952. O. G. May 27. Class 5.

Miron Mills, Inc., Clinton, Mass. Wool fabrics in the piece. 559,482, May 27; Serial No. 610,449. Class 42.

Missouri Garment Company, Inc., Kansas City, Mo. Women's and misses' blouses, dusters, halters, etc. 559,319, May 27; Serial No. 607,258, published Mar. 4, 1952. Class 39.

Mittag & Volger, Incorporated, Park Ridge, N. J. Typewriter ribbons and carbon-paper. 87,465, re-renewed July 16, 1952. O. G. May 27. Class 11.

Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala. Copper bottom paint. 559,346, May 27; Serial No. 612,924, published Mar. 4, 1952. Class 16.

Monarch Metal Weatherstrip Corporation, St. Louis, Mo. Metal weatherstrips. 295,786, renewed July 12, 1952. O. G. May 27. Class 12.

Mo och Domsjö Treetex Aktiebolag: *See*—
Aktiebolaget Mo och Domsjö Wallboard Co.

Morton Manufacturing Corp., doing business under the name and style of Snow White Products Co., Lynchburg, Va. Antiseptic treatment for hair and scalp. 559,304, May 27; Serial No. 604,655, published Jan. 22, 1952. Class 18.

Nahrmittelfabrik Ed. Haas: *See* —
Haas, Eduard, Sen.

National Foam System, Inc., West Chester, Pa. Fire-extinguishing chemicals and compositions. 559,399, May 27; Serial No. 615,991, published Mar. 11, 1952. Class 6.

National Plastic Products Company, The, Odenton, Md. Thermoplastic injection molded luggage fittings. 559,405, May 27; Serial No. 616,329, published Mar. 11, 1952. Class 3.

National Spiritual Assembly of the Bahá'ís of the United States: *See*—
National Spiritual Assembly of the Baha'is of the United States and Canada.

National Spiritual Assembly of the Baha'is of the United States and Canada, West Englewood, N. J., by National Spiritual Assembly of the Bahá'ís of the United States, Wilmette, Ill. Periodical literature and printed books. 316,444, Aug. 28, 1934. Republished May 27. Class 38.

National Spiritual Assembly of the Baha'is of the United States and Canada, New York, N. Y., by National Spiritual Assembly of the Bahá'ís of the United States, Wilmette, Ill. Magazines. 350,407, Sept. 28, 1937. Republished May 27. Class 38.

National Supply Company, The: *See*—
Atlas Imperial Diesel Engine Co.

National Wildlife Federation, Washington, D. C. Informational and instructive services. 559,439, May 27; Serial No. 599,526, published Mar. 4, 1952. Class 107.

Nestle-Le Mur Company, The, New York, N. Y. Hair tints and hair dyes. 559,480, May 27; Serial No. 609,560. Class 51.

Nestlé's Chocolate Company, Inc., New York, N. Y. Prepared edible chocolate. 559,428, May 27; Serial No. 617,999, published Feb. 19, 1952. Class 46.

Newark Packing Company, Inc., Newark, N. J. Smoked beef and bacon. 84,990, Jan. 16, 1912. Republished May 27. Class 46.

Nielsen, A. C., Company, Chicago, Ill. Marketing research. 559,435, May 27; Serial No. 587,646, published Mar. 4, 1952. Class 101.

Nolde and Horst Company, The, Reading, Pa. Women's hosiery. 559,283, May 27; Serial No. 601,066, published Feb. 19, 1952. Class 39.

Nolde and Horst Company, The, Reading, Pa. Men's hosiery. 559,284, May 27; Serial No. 601,070, published Feb. 19, 1952. Class 39.

Norman, Leslie, doing business under the name of Precision Radiation Instruments, Los Angeles, Calif. Geiger counter. 559,425, May 27; Serial No. 617,259, published Jan. 15, 1952. Class 26.

Northrup Equipment Company, Parkersburg, W. Va. Oil and gas well pumps and parts thereof. 559,267, May 27; Serial No. 598,318, published Jan. 8, 1952. Class 23.

Oakley, Annie, Enterprises, assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif. Shoulder strap bags. 559,337, May 27; Serial No. 611,908, published Mar 11, 1952. Class 3.

Oakley, Annie, Enterprises, Inc., assignee: *See*—
Oakley, Annie, Enterprises.

O'Donnell Shoe Corporation, Humboldt, Tenn. Leather boots and shoes. 559,197, May 27; Serial No. 542,339, published Feb. 19, 1952. Class 39.

Olive Products Company, Oroville, Calif. Olives and olive oil. 214,880, July 6, 1926. Republished May 27. Class 46.

Olive Products Company, Oroville, Calif. Canned olives and olive oil. 228,676, June 7 1927. Republished May 27. Class 46.

Ostler, Inc., New York, N. Y. Jewelry. 559,483, May 27; Serial No. 610,711. Class 28.

Pace Paints Inc., Brooklyn, N. Y. Enamel paints, plastic paints, oil paints, etc. 559,362, May 27; Serial No. 613,943, published Mar. 4, 1952. Class 16.

Pangborn Corporation, Hagerstown, Md. Protective clothing. 559,379, May 27; Serial No. 615,243, published Feb. 19, 1952. Class 39.

Patterson-Sargent Company, The, Cleveland, Ohio. Paint applicator of the roller type. 559,488, May 27; Serial No. 612,822. Class 29.

Peerless Roll Leaf Company, Inc., Union City, N. J. Transfer roll leaf. 559,467–8, May 27; Serial No. 595,395–6. Class 11.

Pekay Machine & Engineering Co., Chicago, Ill. Conveyor buckets. 559,348, May 27; Serial No. 613,083, published Jan. 8, 1952. Class 23.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Laundry detergents, strongly alkaline detergents, etc. 559,207, May 27; Serial No. 560,044, published Mar. 11, 1952. Class 52.

Petroleum Heat and Power Company, Stamford, Conn. Boilers, furnaces, hot water heaters, etc. 559,281, May 27; Serial No. 600,696, published Feb. 26, 1952. Class 34.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co. Inc. Antibiotic preparation. 559,305, May 27; Serial No. 604,740, published Jan. 22, 1952. Class 18.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Pamphlets. 554,442, Feb. 5, 1952. Corrected. O. G. May 27. Class 38.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 295,751, renewed July 12, 1952. O. G. May 27. Class 6.

Plas-Trix Company, The, Brooklyn, N. Y. Shifting block puzzle and card game. 559,363, May 27; Serial No. 614,008, published Aug. 14, 1951. Class 22.

Playskool Institute, Inc., Milwaukee, Wis., to Playskool Manufacturing Company, Chicago, Ill. Toys. 296,101, renewed July 19, 1952. O. G. May 27. Class 22.

Playskool Manufacturing Company: *See*—
Playskool Institute, Inc.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Children's clothing, men's, young men's, ladies', and girls' clothing. 559,419, May 27; Serial No. 616,921, published Mar. 11, 1952. Class 39.

Pompender, Martha T. M., New York, N. Y. Entertainment service. 559,442, May 27; Serial No. 602,298, published Mar 4, 1952. Class 107.

Precision Radiation Instruments: *See*—
Norman, Leslie.

Pretzel Bitz Corporation, Bluffton, Ind. Bakery and confectionery products. 559,316, May 27; Serial No. 607,041, published Jan. 1, 1952. Class 46.

Prince Macaroni Manufacturing Company, Lowell, Mass. Macaroni. 559,244, May 27; Serial No. 589,526, published Feb. 12, 1952. Class 46.

Pullman-Standard Car Manufacturing Company, Chicago, Ill. Water storage tanks and housings therefor, boxes for holding batteries, etc. 559,308, May 27; Serial No. 605,265, published Mar 11, 1952. Class 2.

Quaker City Packing Co., Inc., Allentown, Pa. Food for dogs. 559,476, May 27; Serial No. 608,625. Class 46.

Queen Ribbon & Carbon Co. Inc., Brooklyn, N. Y. Carbon paper. 559,463, May 27; Serial No. 586,188. Class 11.

Rainfair, Inc., Racine, Wis. Jacket and pants combination. 559,420, May 27; Serial No. 617,057, published Mar. 11, 1952. Class 39.

Ralston Purina Company, St. Louis, Mo. Cereal breakfast foods. 559,285, May 27; Serial No. 601,119, published Feb. 26, 1952. Class 46.

Rawlings, Betty J., assignee: *See*—
Stox.

Rawlings, Richard A., assignee: *See*—
Stox.

Raytheon Manufacturing Company, Newton, Mass. Radio navigation apparatus. 559,263, May 27; Serial No. 597,697, published Jan. 15, 1952. Class 26.

Reckitt & Sons, Ltd., Hull, England, to The R. T. French Company, Rochester, N. Y. Bluing. 86,449, re-renewed May 7, 1952. O. G. May 27. Class 6.

Red Wing Shoe Company, Inc., Red Wing, Minn., and Dallas, Tex. Leather shoes. 559,224, May 27; Serial No. 578,895, published Feb. 26, 1952. Class 39.

Refined Products Corporation, Lyndhurst, N. J. Surface-active agent. 559,313, May 27; Serial No. 606,809, published Mar. 4, 1952. Class 52.

Reliable Coal and Mining Co.: *See*—
Reliable Coal & Mining Co.

Reliable Coal & Mining Co., Chicago, Peoria and Springfield, Ill., to Reliable Coal and Mining Co., Chicago, Ill. Coal. 292,612, renewed Mar. 22, 1952. O. G. May 27. Class 1.

Republic Garment Company, Inc., also doing business as Wood Garment Mfg. Co., Republic, Mo. Men's, women's and children's slacks, trousers, and jeans. 559,385, May 27; Serial No. 615,342, published Feb. 19, 1952. Class 39.

Reynolds Metals Company, Richmond, Va. Plural compartment case. 559,464, May 27; Serial No. 590,235. Class 2.

Riviera Packing Company, Oakland, Calif. Canned spaghetti, canned ravioli, canned chicken ravioli, etc. 559,242, May 27; Serial No. 588,811, published Feb. 26, 1952. Class 46.

Robertson, H. H., Company, Pittsburgh, Pa. Resinous coating compositions. 559,358, May 27; Serial No. 613,781, published Mar. 4, 1952. Class 16.

Roessler & Hasslacher Chemical Company, Inc., The, New York, N. Y., by E. I. du Pont de Nemours and Company, Wilmington, Del. Dry cleaning fluid. 294,535, May 31, 1932. Republished May 27. Class 52.

Rosenberg Bros. & Co., to Rosenberg Bros. & Co., Inc., San Francisco, Calif. Dried apples, dried apricots, dried nectarines, etc. 86,619, rerenewed May 21, 1952. O. G. May 27. Class 46.

Rosenberg Bros. & Co., to Rosenberg Bros. & Co., Inc., San Francisco, Calif. Dried apricots, dried nectarines, dried pears, etc. 86,670, rerenewed May 21, 1952. O. G. May 27. Class 46.

Rosenberg Bros. & Co., Inc.: *See*—
Rosenberg Bros. & Co.

Rupert Manufacturing Company, Inc., Kansas City, Mo. Safety reflectors and lenses. 559,373, May 27; Serial No. 614,959, published Feb. 26, 1952. Class 34.

Safe-In-Suds, Inc.: *See*—
Warren Shirts, Inc.

Ste. Pierre Smirnoff Fils, Incorporated, New York, N. Y., by G. F. Heublein & Bro., Inc., Hartford, Conn. Vodka. 334,531–2, May 5, 1936. Republished May 27. Class 49.

Scherer, Ernest, doing business as Scherer's Rolnp Ink Co., Grosse Pointe, Mich. Acid-resisting paint enamel. 559,250, May 27; Serial No. 591,895, published Mar. 4, 1952. Class 16.

Scherer's Rolnp Ink Co.: *See*—
Scherer, Ernest.

Schneider, Benjamin, Philadelphia, Pa. Leather goods, plastic goods and novelties. 559,228, May 27; Serial No. 582,103, published Feb. 19, 1952. Class 3.

Schwartz, Charles L., doing business under the name of Hampshire Manor, Lyndeboro, N. H. Chocolate flavored popped pop-corn and butterscotch flavored popped pop-corn. 559,356, May 27; Serial No. 613,653, published Mar. 11, 1952. Class 46.

Scottish Towel Company Limited, The, Glasgow and Hillington, Glasgow, Scotland. Towels and towelling. 559,317, May 27; Serial No. 607,144, published Mar. 11, 1952. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Mechanical phonographs, phonograph needles, disc record albums, etc. 559,217, May 27; Serial No. 570,659, published Mar. 11, 1952. Class 36.

Sebastopol Cooperative Cannery, Sebastopol, Calif. Canned apple sauce. 559,282, May 27; Serial No. 600,989, published Jan. 22, 1952. Class 46.

Security Products Company: *See*—
Security Steel Products Company.

Security Steel Products Company to Security Products Company, St. Louis, Mo. Windows, window frames, and window sashes. 292,117, renewed Mar. 1, 1952. O. G. May 27. Class 12.

Selas Corporation of America, Philadelphia, Pa. Gas burners and parts thereof and industrial heating equipment. 559,327, May 27; Serial No. 609,382, published Feb. 26, 1952. Class 34.

Selby Shoe Company, The: *See*—
Burt, Edwin C., Company.

Selby Shoe Company, The, Portsmouth, Ohio. Women's, misses', and children's shoes. 295,492, renewed July 5, 1952. O. G. May 27. Class 39.

Sellers Coffee Company: *See*—
Sellers Grocery Company, Inc.

Sellers Grocery Company, Inc., also doing business as Sellers Coffee Company, Montgomery, Ala. Coffee and rice. 559,300, May 27; Serial No. 603,026, published Jan. 1, 1952. Class 46.

Service Industries, Philadelphia, Pa. Ready-mixed aluminum paint. 559,298, May 27; Serial No. 602,782, published Mar. 4, 1952. Class 16.

Sexton, John, & Co., Chicago, Ill. Tea and coffee. 559,486, May 27; Serial No. 612,182. Class 46.

Shaker Savings Association, Shaker Heights, Ohio. Savings and loan services. 559,443, May 27; Serial No. 604,600, published Mar. 4, 1952. Class 102.

Shinola Company, Rochester, to The Best Foods, Inc., New York, N. Y. Shoe-polish. 87,490, rerenewed July 16, 1952. O. G. May 27. Class 4.

Shinola Company, Rochester, to The Best Foods, Inc., New York, N. Y. Polishing-brushes and daubers. 87,491, rerenewed July 16, 1952. O. G. May 27. Class 29.

Shure Brothers, Incorporated, New Haven, Conn. Chemical treatment of garments. 559,440, May 27; Serial No. 600,703, published Mar. 4, 1952. Class 106.

Shuron Optical Company, Inc., to Shuron Optical Company, Inc., Geneva, N. Y. Lenses for eyeglasses and spectacles. 292,082, renewed Mar. 1, 1952. O. G. May 27. Class 26.

Simpson, S., Limited, London, England. Men's and women's trousers and walking shorts, men's and women's jackets, etc. 559,343, May 27.; Serial No. 612,762, published Feb. 19, 1952. Class 39.

Sire, Inc., Chicago, Ill. Men's belts and suspenders. 559,252, May 27; Serial No. 592,725, published Dec. 26, 1950. Class 39.

Sloane, W. & J., New York, N. Y. Candle holders, fireplace screens, grates, etc. 559,227, May 27; Serial No. 582,062, published Feb. 19, 1952. Class 34.

Smith, Kline & French Laboratories, Philadelphia, Pa. Vitamin preparation. 559,269, May 27; Serial No. 598,688, published Jan. 22, 1952. Class 18.

Smoler, Boris, & Sons, Inc., Chicago, Ill. Children's dresses. 559,395, May 27; Serial No. 615,862, published Mar. 11, 1952. Class 39.

Snow White Products Co.: *See*—
Morton Manufacturing Corp.

Società Elettrica ed Elettrochimica del Caffaro, Milan, Italy. Chloride of lime. 291,424–5, renewed Feb. 9, 1952. O. G. May 27. Class 6.

Societe Anonyme Etablissements Taittinger, Mailly & Cie, Reims, France. Champagne wines. 559,450, May 27; Serial No. 512,755. Class 47.

Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland. Instruments for dental surgery. 559,192, May 27; Serial No. 511,250, published Feb. 19, 1952. Class 44.

Somnyl Pharmacal Corporation of America, New York, N. Y. Mild sedative. 559,349, May 27; Serial No. 613,196, published Jan 15, 1952. Class 18.

Southern Music Company, San Antonio, Tex. Guitars, mandolins, cornets, etc. 559,415, May 27; Serial No. 616,735, published Mar. 11, 1952. Class 36.

Spaulding-Moss Company: *See*—
Terry, Marion S.

Sportleigh Hall, Inc., New York, N. Y. Ladies' coats. 559,366, May 27; Serial No. 614,266, published Feb. 26, 1952. Class 39.

Spur Knitting Mills, Inc., New York, N. Y. Ladies', misses', children's sweaters and knitted panties suits. 559,322, May 27; Serial No. 607,831, published Mar. 4, 1952. Class 39.

Squillante, Vincent J., by Vincent J. Squillante, Inc., New York, N. Y. Fresh fruits. 234,730, Nov. 1, 1927. Republished May 27. Class 46.

Squillante, Vincent J., Inc.: *See*—
Squillante, Vincent J.

Standard Electric Co., Inc., San Antonio, Tex. Oxide of lead. 559,402, May 27; Serial No. 616,143, published Mar. 11, 1952. Class 6.

Standard Feed Milling Company, The: *See*—
Martin, J. Kendley.

Standard Milling Company, Chicago, Ill. Wheat flour. 559,194, May 27; Serial No. 527,822, published Mar. 4, 1952. Class 46.

Starline, Inc., Harvard, Ill. Barn roof ventilators. 559,321, May 27; Serial No. 607,647, published Mar. 4, 1952. Class 34.

Stetson Shirt Co. Inc., New York, N. Y. Dress shirts. 295,493, renewed July 5, 1952. O. G. May 27. Class 39.

Stevenson, J. O.: *See*—
Le Fevre, R. T., and Stevenson.

Stollwerck, A. N., Inc., Camden, N. J. Baking and cooking chocolate and cocoa butter. 559,414, May 27; Serial No. 616,732, published Feb. 19, 1952. Class 46.

Stout Irrigation, Inc., Portland, Ore. Irrigation pipe couplers and pipes. 559,462, May 27; Serial No. 583,894. Class 13.

Stox, Chicago, Ill., assignor to B. J. and R. A. Rawlings, co-partners, doing business as Stox Company. Infants' slipper-socks. 559,352, May 27; Serial No. 613,482, published Feb. 26, 1952. Class 39.

Stox Company, assignee: *See*—
Stox.

Street, R. R., & Co., Inc., Chicago, Ill. Compound for removing stains for textile fabrics. 559,195, May 27; Serial No. 528,528, published Mar. 11, 1952. Class 52.

Strohmeyer & Arpe Company, New York, N. Y. Olives. 559,235, May 27; Serial No. 584,166, published Jan. 15, 1952. Class 46.

Sun Harbor Packing Company, assignor to Westgate-Sun Harbor Company, San Diego, Calif. Canned fish. 559,198, May 27; Serial No. 545,180, published Feb. 12, 1952. Class 46.

Sunshine Magic: *See*—
Terry, Marion S.

Super Mold Corporation of California, Lodi, Calif. Steam generators, and steam cleaners. 559,254, May 27; Serial No. 593,146, published Feb. 19, 1952. Class 34.

Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm, Chicago, Ill. Portfolios, pocket-books, billfolds, etc. 559,396, May 27; Serial No. 615,913, published Feb. 19, 1952. Class 3.

Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm, Chicago, Ill. Informational services. 559,436, May 27; Serial No. 593,571, published Mar. 4, 1952. Class 107.

Surgical Instrument Corporation, New York, N. Y. Ring forceps, towel clamps and surgical scissors. 559,344, May 27; Serial No. 612,837, published Feb. 19, 1952. Class 44.

Teakwood, Inc., to Bunte Brothers, Chicago, Ill. Candy. 289,787, renewed Dec. 8, 1951. O. G. May 27. Class 46.

Tepper Bros., by Tepper's Plainfield, Plainfield, N. J. Men's clothing. 349,559, Aug. 31, 1937. Republished May 27, 1952. Class 39.

Tepper's Plainfield: *See*—
Tepper Bros.

Terry, Marion S., doing business as Sunshine Magic, Scituate, by Spaulding-Moss Company, Boston, Mass. Child's blue printing set. 297,150, Sept. 6, 1932. Republished May 27. Class 22.

Tetley, Joseph & Co., Inc., to Tetley Tea Co., Inc., New York, N. Y. Tea, coffee, cocoa, etc. 294,997, renewed June 14, 1952. O. G. May 27. Class 46.

Tetley Tea Co., Inc.: *See*—
Tetley, Joseph, & Co., Inc.

Thermal Engineering Corporation, Richmond, Va., assignor to Thermal Research Corporation, by Chain Belt Company, Milwaukee, Wis. 379,674, July 23, 1940. Republished May 27. Class 23.

Thermal Research Corporation, assignee: *See*—
Thermal Engineering Corporation.

Thermal Research Corporation, Richmond, Va., by Chain Belt Company, Milwaukee, Wis. Vacuum apparatus. 377,964, May 21, 1940. Republished May 27. Class 23.

Thermoplex International, Inc., New York, N. Y. Plastic insulated serving pitchers. 559,268, May 27; Serial No. 598,396, published Mar. 4, 1952. Class 2.

Thomas, Seth, Clock Company, to General Time Corporation, Thomaston, Conn. Electrical motors. 292,149, renewed Mar. 1, 1952. O. G. May 27. Class 21.

Thompson Bros. Shoe Co., Brockton, Mass. Boots and shoes. 559,205, May 27; Serial No. 554,734, published Feb. 26, 1952. Class 39.

Timely Clothes, Inc., Rochester, N. Y. Men's suits, topcoats, and sport coats. 559,411, May 27; Serial No. 616,654, published Mar. 11, 1952. Class 39.

Tobin Packing Co., Inc., Rochester and Albany, N. Y. Meats and meat products. 559,452, May 27; Serial No. 537,950. Class 46.

Town Square Foods, Inc.: *See*—
E-Z Bake Products Company.

Towne Togs, Inc., New York, N. Y., assignee of Jack Litt, Inc. Cravats. 559,451, May 27; Serial No. 525,616. Class 39.

Triantafillu, Harry D., doing business as H. D. T. Company Factors, Inc., White Plains, N. Y. Polish for automobiles, etc. 295,850, renewed July 12, 1952. O. G. May 27. Class 4.

Trudeau, Oscar G.: *See*—
Vitamin Supple-Mints Co.

Tru-Fit Products: *See*—
Werndorfer, Joseph.

Tucker's, Mrs., Foods, Inc., Sherman, Tex. Vegetable oil shortening, salad oil, wheat flour, etc. 559,387, May 27; Serial No. 615,423, published Jan. 22, 1952. Class 46.

Tulip Hosiery Finishing Co.: *See*—
McAdams, Harry.

Turner, Charles W., doing business as Harry T. Turner Co., Lynn, Mass. General real estate and mortgage brokerage; financing and management services, etc. 559,437, May 27; Serial No. 593,844, published Mar. 4, 1952. Class 102.

Turner, Harry T., Co.: *See*—
Turner, Charles W.

Turrentine, Walter, doing business as Walter Turrentine Publishing Company, Atlanta, Ga. Monthly publication. 559,489, May 27; Serial No. 619,725. Class 38.

Turrentine, Walter, Publishing Company: *See*—
Turrentine, Walter.

Uneeda Doll Co, Inc., New York, N. Y. Dolls. 559,365, May 27; Serial No. 614,180, published Mar. 4, 1952. Class 22.

Union Electric Company of Missouri, St. Louis, Mo. Electric power and steam heat distribution services. 559,433, May 27; Serial No. 585,464, published Mar. 4, 1952. Class 100.

Union Fish Company, The, Erie, Pa. Frozen fish. 559,225, May 27; Serial No. 580,534, published Jan. 1, 1952. Class 46.

United Elastic Corporation, Easthampton, Mass. Self-folding and self-coiling electric conductors. 296,262, renewed Aug. 2, 1952. O. G. May 27. Class 21.

United States Department of Agriculture, Washington, D. C. Carcasses of beef, lamb, veal, etc. 559,448, May 27; Serial No. 613,095, published Jan. 8, 1952. Class 46.

U. S. Handbag Corporation, New York, N. Y. Ladies' handbags, wallets, travelling cases, etc. 559,376, May 27; Serial No. 615,147, published Feb. 19, 1952. Class 3.

United States Trunk Company, Fall River, Mass. Travelling cases. 559,243, May 27; Serial No. 589,399, published Sept. 12, 1950. Class 3.

U-Tote-Em Grocery Company: *See*—
Cash Economy Wholesale Grocery Co.

Valley Poultry & Rabbit Co., Rosemead, Calif. Fresh frozen dressed poultry and rabbits. 559,236, May 27; Serial No. 585,403, published Jan. 22, 1952. Class 46.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 296,326, renewed Aug. 2, 1952. O. G. May 27. Class 39.

Van Waters & Rogers, Inc., Seattle, Wash. Chemicals. 559,424, May 27; Serial No. 617,132, published Mar. 11, 1952. Class 6.

Vesta Gas Range and Manufacturing Co., to The Athens Stove Works, Inc., Athens, Tenn. Ranges and stoves. 256,779, May 21, 1929. New certificate. O. G. May 27. Class 34.

Viking Tailless Kite Co., Larchmont, N. Y. Kites, dolls, and cardboard cut-out toys. 409,741, Oct. 17, 1944. Republished May 27. Class 22.

Viking Toy Company, Larchmont, N. Y. Toy kites, dolls, and cut-out dolls and animals, cut-out picture drawings. 428,864, Apr. 8, 1947. Republished May 27. Class 22.

Vitaliten Products Company: *See*—
Bredin, Lewis L.

Vitamin Supple-Mints Co., Milwaukee, Wis., assignor to O. G. Trudeau, St. Paul, Minn. Candy mints. 444,691, May 27; Serial No. 496,587, published Mar. 4, 1952. Class 46.

Voet, Joe: *See*—
Voet, Joseph F.

Voet, Joseph F., doing business as Joe Voet, Brawley, Calif. Fresh melons and fresh vegetables. 559,393, May 27; Serial No. 615,669, published Mar. 4, 1952. Class 46.

Voight Milling Company, Grand Rapids, Mich. Enriched wheat flour, wholewheat flour, cake flour, etc. 559,392, May 27; Serial No. 615,588, published Feb. 26, 1952. Class 46.

Walker Laboratories, Inc.: *See*—
Walker Vitamin Products, Inc.

Walker Vitamin Products, Inc., Mount Vernon, N. Y., now by change of name Walker Laboratories, Inc. Pharmaceutical preparation. 559,357, May 27; Serial No. 613,748, published Jan. 29, 1952. Class 18.

Walsh, Inc., Chicago, Ill. Consulting mechanical engineering service. 559,446, May 27; Serial No. 614,974, published Mar. 4, 1952. Class 100.

Wander Company, The, Chicago, Ill. Chocolate-malt flavored milk. 559,237, May 27; Serial No. 586,895, published Feb. 12, 1952. Class 46.

Warren Shirts, Inc., New York, N. Y., now by change of name Safe-In-Suds, Inc. Men's outer shirts. 559,220, May 27; Serial No. 575,613, published Mar. 4, 1952. Class 39.

Washington Canners Cooperative, Vancouver, Wash. Canned fruits. 559,202, May 27; Serial No. 552,025, published Feb. 12, 1952. Class 46.

Waterloo Corporation, New York, N. Y. Fire insulating paint. 559,389, May 27; Serial No. 615,509, published Mar 4, 1952. Class 16.

Werndorfer, Joseph, doing business as Tru-Fit Products, New York, N. Y. Hairnets. 559,490, May 27; Serial No. 621,489. Class 39.

West Disinfecting Company, New York, to West Disinfecting Company, Long Island City, N. Y. Deodorizers and disinfectants. 86,650, re-renewed May 21, 1952. O. G. May 27. Class 6.

Westgate-Sun Harbor Company: *See*—
Sun Harbor Packing Company.

West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. 559,353, May 27; Serial No. 613,540, published Jan. 15, 1952. Class 18.

West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. 559,354, May 27; Serial No. 613,544, published Jan. 15, 1952. Class 18.

West Paint and Varnish Company, Boston, Mass. Enamel paint. 559,259, May 27; Serial No. 595,992, published Mar. 4, 1952. Class 16.

Where-To-Go Bureau, Inc., Boston, Mass. Hotel, resort and travel advertising and information service. 559,432, May 27; Serial No. 561,360, published Mar. 4, 1952. Class 101.

White Laboratories, Inc., Newark, N. J. Preparations containing antibiotic-sulfonamide mixtures in the form of troches. 559,309, May 27; Serial No. 605,622, published Jan. 29, 1952. Class 18.

Whiting, Frank M., & Company, North Attleboro, Mass., to Frank M. Whiting & Company, Meriden, Conn. Silver flatware and hollowware. 282,194, renewed Apr. 14, 1951. O. G. May 27. Class 28.

Wildman Mfg. Co., Norristown, Pa. Knitting-machines, stop-motions for knitting-machines, and cloth-cutting machines. 85,700, re-renewed Mar. 5, 1952. O. G. May 27. Class 23.

Williams, R. C., & Company, Inc.: *See*—
Jaburg Brothers, Inc.

Willson Products, Inc., Reading, Pa. Ophthalmic and protection lenses. 296,347, renewed Aug. 2, 1952. O. G. May 27. Class 26.

Winthrop-Stearns Inc., New York, N. Y. Medicinal preparation. 559,350, May 27; Serial No. 613,278, published Jan. 15, 1952. Class 18.

Wood Garment Mfg. Co.: *See*—
Republic Garment Company, Inc.

Woolworth, F. W., Co., New York, N. Y. Men's, women's, boys', and girls' dungarees and jeans. 559,409, May 27; Serial No. 616,615, published Mar. 11, 1952. Class 39.

World Cheese Co., New York, N. Y. Cheese. 559,364, May 27; Serial No. 614,076, published Mar. 4, 1952. Class 46.

"Xserviceman Shoe Company": *See*—
Allen, Harold R.

Yankee Foods: *See*—
Horwitt, Nathan G.

"Your Video Guide," Atlantic City, N. J. Weekly publication. 559,484, May 27; Serial No. 610,774. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Reliable Coal & Mining Co. 292,612, renewed Mar. 22, 1952. O. G. May 27.

Finely divided filler product. Allied Minerals, Inc. 559,457, May 27; Serial No. 572,404.

Fur skins. I. Fliegelman. 559,386, May 27; Serial No. 615,380, published Mar. 11, 1952.

Pasture seed mixture. W. Abeles. 559,251, May 27; Serial No. 592,061, published Mar. 11, 1952.

Synthetic fiber. American Cyanamid Company. 559,401, May 27; Serial No. 616,069, published Mar. 11, 1952.

CLASS 2

Bags, Burlap. Bemis Bro. Bag Company. 559,460, May 27; Serial No. 576,032.

Barrels, Metal. Beatrice Steel Tank Manufacturing Company. 559,193, May 27; Serial No. 527,415, published Mar. 4, 1952.

Cases, Plastic. Arrow Manufacturing Co., Inc. 559,292, May 27; Serial No. 601,590, published Mar. 4, 1952.

Ice bucket, Expanded rubber heat insulated. Great American Industries, Inc. 559,461, May 27; Serial No. 581,947.

Pitchers, Plastic insulated serving. Thermoplex International, Inc. 559,268, May 27; Serial No. 598,396, published Mar. 4, 1952.

Plural compartment case. Reynolds Metals Company. 559,464, May 27; Serial No. 590,235.

Tanks and housings therefor, Water storage, boxes for holding batteries, etc. Pullman-Standard Car Manufacturing Company. 559,308, May 27; Serial No. 605,265, published Mar. 11, 1952.

CLASS 3

Handbags, Portable. S. Dresner & Son, Inc. 559,458, May 27; Serial No. 572,489.

Handbags, wallets, travelling cases, etc., Ladies'. U. S. Handbag Corporation. 559,376, May 27; Serial No. 615,147, published Feb. 19, 1952.

Leather goods, plastic goods and novelties. B. Schneider. 559,228, May 27; Serial No. 582,103, published Feb. 19, 1952.

Luggage fittings, Thermoplastic injection molded. The National Plastic Products Company. 559,405, May 27; Serial No. 616,329, published Mar. 11, 1952.

Portfolios, pocket-books, billfolds, etc. Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm. 559,396, May 27; Serial No. 615,913, published Feb. 19, 1952.

Shoulder strap bags. Annie Oakley Enterprises. 559,337, May 27; Serial No. 611,908, published Mar. 11, 1952.

Travelling cases. United States Trunk Company. 559,243, May 27; Serial No. 589,399, published Sept. 12, 1950.

Wallets and purses. Bernard Cahn Co., Inc. 559,407, May 27; Serial No. 616,361, published Mar. 11, 1952.

Wallets or billfolds. Aristocrat Leather Products, Inc. 559,261, May 27; Serial No. 596,771, published Nov. 7, 1950.

Wallets, purses and handbags. Bernard Cahn Co., Inc. 559,406, May 27; Serial No. 616,360, published Mar. 11, 1952.

CLASS 4

Abrasive compounds, Lens grinding and polishing. Bausch & Lomb Optical Company. 559,241, May 27; Serial No. 588,733, published Mar. 11, 1952.

Polish. E. I. du Pont de Nemours and Company. 559,378, May 27; Serial No. 615,166, published Mar. 11, 1952.

Polish, Automobile. Liquid Glass Corporation. 559,278, May 27; Serial No. 600,494, published Mar. 11, 1952.

Polish for automobiles, etc. H. D. Triantafillu. 295,850, renewed July 12, 1952. O. G. May 27.

Shoe-polish. Shinola Company. 87,490, re-renewed July 16, 1952. O. G. May 27.

CLASS 5

Glue. Coro, Inc. 559,369, May 27; Serial No. 614,754, published Mar. 11, 1952.

Paste, Dry paper-hanger's, and paper hanger's wall size. Miner-Hillard Milling Co. 291,283, renewed Feb. 9, 1952. O. G. May 27.

Wall size, Paper-hanger's. Miner-Hillard Milling Co. 293,476, renewed Apr. 26, 1952. O. G. May 27.

CLASS 6

Bluing. Reckitt & Sons, Ltd. 86,449, re-renewed May 7, 1952. O. G. May 27.

Calcined alumina and hydrated alumina. Kaiser Aluminum and Chemical Corporation. 559,485, May 27; Serial No. 611,279.

Chemicals. Air Correctives, Inc. 559,214, May 27; Serial No. 567,447, published Apr. 4, 1950.

Chemicals. Van Waters & Rogers, Inc. 559,424, May 27; Serial No. 617,132, published Mar. 11, 1952.

Chemicals and compositions, Fire-extinguishing. National Foam System, Inc. 559,399, May 27; Serial No. 615,991, published Mar. 11, 1952.

Chloride of lime. Società Elettrica ed Elettrochimica del Caffaro. 291,424–5, renewed Feb. 9, 1952. O. G. May 27.

Deodorizers and disinfectants. West Disinfecting Company. 86,650, re-renewed May 21, 1952. O. G. May 27.

Fluorinated hydrocarbons. Kinetic Chemicals, Inc. 293,850, May 10, 1932. Republished May 27.

Germicide, Rust-inhibiting. C R I Corporation. 559,416, May 27; Serial No. 616,758, published Mar. 11, 1952.

Insecticides. E. L. Bruce Company. 290,733, Jan. 12, 1932. Republished May 27.

Oxide of lead. Standard Electric Co., Inc. 559,402, May 27; Serial No. 616,143, published Mar. 11, 1952.

Photographic chemicals. Alco Photo Supply Corporation. 559,231, May 27; Serial No. 607,614, published Jan. 15, 1952. (Consolidated certificate, Classes 6, 21, and 26.)

Pigment colors and lake colors. H. Kohnstamm & Co., Inc. 559,459, May 27; Serial No. 574,039.

Silicate of soda. Philadelphia Quartz Company. 295,751, renewed July 12, 1952. O. G. May 27.

Synthetic methanol. E. I. du pont de Nemours and Company. 293,917, May 10, 1932. Republished May 27.

CLASS 11

Carbon paper. Queen Ribbon & Carbon Co. Inc. 559,463, May 27; Serial No. 586,888.

Transfer roll leaf. Peerless Roll Leaf Company, Inc. 559,467–8, May 27; Serial No. 595,395–6.

Type-writer ribbons and carbon-paper. Mittag & Volger, Incorporated. 87,465, re-renewed July 16, 1952. O. G. May 27.

CLASS 12

Asbestos roof cement in paste and liquid form, roofer's pitch or lap cement, etc. Kurfees Paint Company. 559,472, May 27; Serial No. 602,459.

Boards for roof, wall and ceiling covering. Aktiebolaget Mo och Domsjö Wallboard Co. 292,159, renewed Mar. 1, 1952. O. G. May 27.

Concrete blocks. Arthur L. Kuhlman. 418,502, Jan. 1, 1946. Republished May 27.

Construction materials. The Dow Chemical Company. 293,057, renewed Apr. 5, 1952. O. G. May 27.

Roofing, Canvas. William L. Barrell Company. 87,145, re-renewed July 2, 1952. O. G. May 27.

Weatherstrips, Metal. Monarch Metal Weatherstrip Corporation. 295,786, renewed July 12, 1952. O. G. May 27.

Windows, window frames, and window sashes. Security Steel Products Company. 292,117, renewed Mar. 1, 1952. O. G. May 27.

CLASS 13

Base-knobs, casement-window adjusters and fasteners, cellar-window fasteners, etc. The Champion Safety Lock Company. 87,601, re-renewed July 30, 1952. O. G. May 27.

Bolts, nuts, and metal washers. Bultfabriks Aktiebolaget. 291,080, Jan. 26, 1932. Republished May 27.

Hose couplings. Foster Manufacturing Co. Inc. 559,475, May 27; Serial No. 605,734.

Irrigation pipe couplers and pipes. Stout Irrigation, Inc. 559,462, May 27; Serial No. 583,894.

Kit containing perforated metal channels, length of chain, etc. William G. Michel. 559,470, May 27; Serial No. 600,604.

Metal pipe fittings. Jefferson Union Company, Inc. 288,070, Oct. 20, 1931. Republished May 27.

Screw connections and parts of screw connections. Aircraft Screw Products Company, Inc. 419,476, Feb. 19, 1946. New certificate. O. G. May 27.

Sprocket, drive, conveying, and power-transmission chains. Chain Belt Company. 184,149, May 20, 1924. Republished May 27.

CLASS 14

Metal, Nickel babbitt. C. M. Lovsted & Co., Inc. 293,617, renewed May 3, 1952. O. G. May 27.

CLASS 16

Coating compositions, Resinous. H. H. Robertson Company. 559,358, May 27; Serial No. 613,781, published Mar. 4, 1952.

Coatings, Polytetrafluoroethylene. E. I. du Pont de Nemours and Company. 559,331, May 27; Serial No. 611,080, published Mar. 4, 1952.

Enamel, Chrome aluminum, and a liquid plastic. Boatwick Laboratories, Inc. 559,328, May 27; Serial No. 609,778, published Mar. 4, 1952.

Liquid oil-based finish for wood floors. Hillyard Chemical Company. 559,372, May 27; Serial No. 614,941, published Mar. 4, 1952.

Liquid used as a bonding and protective coating on surfaces of all kinds. H. Forsberg Co. 559,290, May 27; Serial No. 601,353, published Mar. 4, 1952.

Paint, Copper bottom. Mobile Paint Manufacturing Company of Delaware, Inc. 559,346, May 27; Serial No. 612,924, published Mar. 4, 1952.

Paint, Enamel. West Paint and Varnish Company. 559,259, May 27; Serial No. 595,992, published Mar. 4, 1952.

Paint enamel, Acid-resisting. Ernest Scherer. 559,250, May 27; Serial No. 591,895, published Mar. 4, 1952.

Paint enamels, Prepared or ready-mixed liquid, prepared or ready-mixed liquid paints, etc. Kurfees Paint Company. 559,471, May 27; Serial No. 602,458.

Paint, Fire insulating. Waterloo Corporation. 559,389, May 27; Serial No. 615,509, published Mar. 4, 1952.

Paint, Fluorescent. Lawter Chemicals, Inc. 559,289, May 27; Serial No. 601,266, published Mar. 4, 1952.

Paint, Ready-mixed aluminum. Service Industries. 559,298, May 27; Serial No. 602,782, published Mar. 4, 1952.

Paints. Beacon Lead & Color Works, Inc. 559,264, May 27; Serial No. 597,935, published Mar. 4, 1952.

Paints, Enamel, plastic paints, oil paints, etc. Pace Paints Inc. 559,362, May 27; Serial No. 613,943, published Mar. 4, 1952.

Varnish, Pigmented. Maurice L. Condon Co., Inc. 559,299, May 27; Serial No. 602,825, published Mar. 4, 1952.

CLASS 17

Cigars. Fidel J. Diaz. 559,449, May 27; Serial No. 485,724.

CLASS 18

Antibiotic preparation. Chas. Pfizer & Co., Inc. 559,305, May 27; Serial No. 604,740, published Jan. 22, 1952.

Antiseptic preparation. West Laboratories, Inc. 559,353, May 27; Serial No. 613,540, published Jan. 15, 1952.

Antiseptic preparation. West Laboratories, Inc. 559,354, May 27; Serial No. 613,544, published Jan. 15, 1952.

Antiseptic treatment for hair and scalp. Morton Manufacturing Corp. 559,304, May 27; Serial No. 604,655, published Jan. 22, 1952.

Chemical compounds, compositions and preparations. General Aniline & Film Corporation. 559,404, May 27; Serial No. 616,286, published Mar. 11, 1952.

Enzyme preparation. American Cyanamid Company. 559,275, May 27; Serial 600,315, published Jan. 22, 1952.

Enzyme preparation. American Cyanamid Company. 559,276, May 27; Serial No. 600,317, published Jan. 22, 1952.

Fish liver oils. Abbott Laboratories. 294,692, renewed June 7, 1952. O. G. May 27.

Medical preparation. E. Bilhuber, Inc. 291,880, renewed Feb. 23, 1952. O. G. May 27.

Medicinal preparation. Casimir Funk Laboratories, Inc. 559,255, May 27; Serial No. 593,331, published Jan. 22, 1952.

Medicinal preparation. The Mara Laboratories, Inc. 559,347, May 27; Serial No. 613,079, published Jan. 15, 1952.

Medicinal preparation. Winthrop-Stearns Inc. 559,350, May 27; Serial No. 613,278, published Jan. 15, 1952.

Pharmaceutical preparation. Walker Vitamin Products, Inc. 559,357, May 27; Serial No. 613,748, published Jan. 29, 1952.

Preparations containing antibiotic-sulfonamide mixtures in the form of troches. White Laboratories, Inc. 559,309, May 27; Serial No. 605,622, published Jan. 29, 1952.

Rubbing liniment. Roscoe A. Duncan. 559,221, May 27; Serial No. 576,483, published Jan. 22, 1952.

Sedative, Mild. Somnyl Pharmacal Corporation of America. 559,349, May 27; Serial No. 613,196, published Jan. 15, 1952.

Tonic for the treatment of anemia and allied conditions. Brewer & Company Inc. 290,038, Dec. 22, 1931. Republished May 27.

Vitamin C and rutin. Makers of Kal, Inc. 559,361, May 27; Serial No. 613,932, published Jan. 29, 1952.

Vitamin preparation. Smith, Kline & French Laboratories. 559,269, May 27; Serial No. 598,688, published Jan. 22, 1952.

CLASS 19

Brakes for aircraft and motor vehicles, Hydraulic. Fiat Società per Azioni. 559,473, May 27; Serial No. 605,357.

Windshield wiper blades and parts thereof. The Anderson Company. 559,456, May 27; Serial No. 571,888.

CLASS 21

Electric conductors, Self-folding and self-coiling. United Elastic Corporation. 296,262, renewed Aug. 2, 1952. O. G. May 27.

Electrical devices. Alco Photo Supply Corporation. 559,231, May 27; Serial No. 607,615, published Jan. 15, 1952. (Consolidated certificate, Classes 6, 21, and 26.)

Electrical motors. Seth Thomas Clock Company. 292,149, renewed Mar. 1, 1952. O. G. May 27.

Plugs and sockets, Electrical. A. L. Kuhlman. 388,877, July 15, 1941. Republished May 27.

Spark plug bushings. Aircraft Screw Products Company, Incorporated. 399,390, Jan. 5, 1943. New certificate. O. G. May 27.

CLASS 22

Blue printing set, Child's. M. S. Terry. 297,150, Sept. 6, 1932. Republished May 27.

Composite unit consisting of a fishing line leader and dispenser. Mason Tackle. 559,291, May 27; Serial No. 601,449, published Mar. 4, 1952.

Dolls. Uneeda Doll Co. Inc. 559,365, May 27; Serial No. 614,180, published Mar. 4, 1952.

Fishhooks. The Enterprise Manufacturing Company. 559,351, May 27; Serial No. 613,439, published Feb. 19, 1952.

Fishing line, Bait casting. Cortland Line Company, Inc. 559,303, May 27; Serial No. 604,506, published Dec. 4, 1951.

Game. R. T. Le Fevre and J. O. Stevenson. 559,360, May 27; Serial No. 613,878, published Mar. 4, 1952.

Kites, dolls, and cardboard cut-out toys. Viking Tailless Kite Co. 409,741, Oct. 17, 1944. Republished May 27.
Marbles. Master Marble Company. 290,066, Dec. 22, 1931. Republished May 27.
Puzzle and card game, Shifting block. The Plas-Trix Company. 559,363, May 27; Serial No. 614,008, published Aug. 14, 1951.
Toy kites, dolls, and cut-out dolls and animals, cut-out picture drawings. Viking Toy Company. 428,864, Apr. 8, 1947. Republished May 27.
Toy pistols and holster sets. Leslie-Henry Co., Inc. 559,293, May 27; Serial No. 601,875, published Feb. 26, 1952.
Toy soap dish, Plastic. Ideal Toy Corporation. 559,430, May 27; Serial No. 619,756, published Mar. 4, 1952.
Toys. Playskool Institute, Inc. 296,101, renewed July 19, 1952. O. G. May 27.

CLASS 23

Bearings for machinery. Chrysler Corporation. 294,227, renewed May 24, 1952. O. G. May 27.
Chain belt. Chain Belt Company. 94,883, Jan. 13, 1914. Republished May 27.
Conveyor buckets. Pekay Machine & Engineering Co. 559,348, May 27; Serial No. 613,083, published Jan. 8, 1952.
Conveyors, Belt and chain. Huwood-Irwin Corporation. 559,334, May 27; Serial No. 611,608, published Jan. 8, 1952.
Core drills. Ingersoll-Rand Company. 559,340, May 27; Serial No. 612,547, published Jan. 15, 1952.
Cutting heads. Ingersoll-Rand Company. 559,314, May 27; Serial No. 606,942, published Feb. 19, 1952.
Food machinery. Thermal Engineering Corporation. 379,674, July 23, 1940. Republished May 27.
Hand tools, hoes and tobacco knives. Lively Lad Manufacturing Company, Inc. 559,248, May 27; Serial No. 591,337, published Jan. 1, 1952.
Hydraulically operated apparatus. R. M. Magnuson. 559,302, May 27; Serial No. 603,960, published Jan. 8, 1952.
Internal combustion engines. Atlas Imperial Diesel Engine Co. 294,189, May 24, 1932. Republished May 27.
Internal combustion engines and parts thereof. ACF-Brill Motors Company. 559,229, May 27; Serial No. 582,762, published Jan. 8, 1952.
Knitting-machines, stop-motions for knitting-machines, and cloth-cutting machines. Wildman Mfg. Co. 85,700, re-renewed Mar. 5, 1952. O. G. May 27.
Looms and parts thereof. Crompton & Knowles Loom Works. 559,307, May 27; Serial No. 605,148, published Jan. 8, 1952.
Parts for use in heavy industrial equipment such as cranes, locomotives, power trucks, etc. Farrell-Cheek Steel Company. 559,454, May 27; Serial No. 541,273.
Power transmission chain. Chain Belt Company. 418,526, Jan. 1, 1946. Republished May 27.
Pumps and parts thereof, Oil and gas well. Northrup Equipment Company. 559,267, May 27; Serial No. 598,318, published Jan. 8, 1952.
Pumps, Electric motor driven centrifugal. I. Goodin. 559,286, May 27; Serial No. 601,141, published Jan. 8, 1952.
Razor blades, Safety. Gillette Safety Razor Company. 294,217, renewed May 24, 1952. O. G. May 27.
Razors and razor blades. Clix Corporation. 292,098, renewed Mar. 1, 1952. O. G. May 27.
Spring clutch mechanism units and parts thereof. L. G. S. Spring Clutch Corporation. 559,226, May 27; Serial No. 581,195, published Jan. 8, 1952.
Tools, apparatus and machines for use in connection with screw connections. Aircraft Screw Products Company, Inc. 419,109, Feb. 5, 1946. New certificate. O. G. May 27.
Tools, hand, and pneumatically and hydraulically operated portable tools, etc. Aircraft-Marine Products Inc. 559,403, May 27; Serial No. 616,197, published Feb. 5, 1952.
Tractors. Food Machinery and Chemical Corporation. 559,223, May 27; Serial No. 577,379, published Jan. 15, 1952.
Trolleys and parts thereof, Overhead. Chisholm-Moore Hoist Corporation. 559,246, May 27; Serial No. 590,303, published Feb. 19, 1952.
Vacuum apparatus. Thermal Research Corporation. 377,964, May 21, 1940. Republished May 27.
Vending machines. Mills Industries, Incorporated. 559,271, May 27; Serial No. 599,519, published July 10, 1951. (Consolidated certificate, Classes 23 and 31.)

CLASS 26

Apparatus to measure the reaction of a driver to imminent peril, etc. The Aetna Casualty and Surety Company. 559,421, May 27; Serial No. 617,071, published Jan. 15, 1952.
Educational appliance consisting of a shutter arranged for timing accurately the exposure of indicia projects onto a screen. Keystone View Company. 559,206, May 27; Serial No. 555,892, published Jan. 15, 1952.
Gauges. The Cross Company. 559,260, May 27; Serial No. 596,157, published Jan. 8, 1952.
Geiger counter. L. Norman. 559,425, May 27; Serial No. 617,259, published Jan. 15, 1952.
Lenses for eyeglasses and spectacles. Shuron Optical Company, Inc. 292,082, renewed Mar. 1, 1952. O. G. May 27.
Lenses, Ophthalmic and protection. Willson Products, Inc. 296,347, renewed Aug. 2, 1952. O. G. May 27.
Motion picture film, Developed, frames thereof and reproductions thereof on film, etc. Esquire, Inc. 559,191, May 27; Serial 479,558, published Jan. 8, 1952.
Navigation apparatus, Radio. Raytheon Manufacturing Company. 559,263, May 27; Serial No. 597,697, published Jan. 15, 1952.
Photographic supplies. Alco Photo Supply Corporation. 559,231, May 27; Serial No. 583,016, published Jan. 15, 1952. (Consolidated certificate, Classes 6, 21, and 26.)
Projector. The FR Corporation. 559,338, May 27; Serial No. 612,318, published Jan. 15, 1952.
Recorder, Photographic. Bulova Watch Company, Inc. 559,218, May 27; Serial No. 573,523, published Jan. 15, 1952.
Spectacles. Clairmont-Nichols, Inc. 559,359, May 27; Serial No. 613,803, published Jan. 15, 1952.

CLASS 27

Watches. R. Allen Company. 559,478, May 27; Serial No. 609,523.

CLASS 28

Flatware, Silver, and hollowware. F. M. Whiting & Company. 282,194, renewed Apr. 14, 1951. O. G. May 27.
Jewelry. Ostier, Inc. 559,483, May 27; Serial No. 610,711.
Pearls, Artificial, synthetic emeralds, synthetic rubies, etc. B. Blumenthal. 291,506, renewed Feb. 9, 1952. O. G. May 27.

CLASS 29

Brushes, Paint. Baker Brush Co., Inc. 559,481, May 27; Serial No. 610,115.
Paint applicator of the roller type. The Patterson-Sargent Company. 559,488, May 27; Serial No. 612,822.
Polishing-brushes and daubers. Shinola Company. 87,491, rerenewed July 16, 1952. O. G. May 27.

CLASS 31

Coolers, Beverage, refrigeration condensing units, ice cream freezers, etc. Mills Industries, Incorporated. 559,271, May 27; Serial No. 599,520, published Oct. 16, 1951. (Consolidated certificate, Classes 23 and 31.)

CLASS 32

Mattresses. R. C. Heller Co., Inc. 293,002, renewed Apr. 5, 1952. O. G. May 27.

CLASS 34

Boilers, furnaces, hot water heaters, etc. Petroleum Heat and Power Company. 559,281, May 27; Serial No. 600,696, published Feb. 26, 1952.
Candle holders, fireplace screens, grates, etc. W. & J. Sloane. 559,227, May 27; Serial No. 582,062, published Feb. 19, 1952.
Coolers, Evaporative. Comfort Products Corp. 559,253, May 27; Serial No. 593,110, published Feb. 19, 1952.
Dry kilns. C. M. Lovstad & Co., Inc. 559,211, May 27; Serial No. 566,347, published Feb. 26, 1952.
Fireplace dampers; log rests; ash dumps; etc. The Donley Brothers Company. 559,215, May 27; Serial No. 568,594, published Feb. 19, 1952.
Gas burners and parts thereof and industrial heating equipment. Selas Corporation of America. 559,327, May 27; Serial No. 609,382, published Feb. 26, 1952.
Generators, Steam, and steam cleaners. Super Mold Corporation of California. 559,254, May 27; Serial No. 593,146, published Feb. 19, 1952.
Heaters, Oil. C. R. Daniels, Inc. 559,216, May 27; Serial No. 570,250, published Mar. 4, 1952.
Heaters, Space. Holly Manufacturing Company. 559,213, May 27; Serial No. 566,587, published Feb. 19, 1952.
Heating and air conditioning apparatus. E. Williams Corporation. 559,234, May 27; Serial No. 583,647, published Feb. 19, 1952.
Heating and cooling coils. Knapp Mills Incorporated. 559,418, May 27; Serial No. 616,912, published Feb. 19, 1952.
Packing house equipment. The Allbright-Nell Company. 559,232, May 27; Serial No. 583,072, published Mar. 4, 1952.
Radiators. American Radiator & Standard Sanitary Corporation. 559,230, May 27; Serial No. 582,881, published Feb. 19, 1952.
Ranges and stoves. Vesta Gas Range and Manufacturing Co. 256,779, May 21, 1929. New certificate. O. G. May 27.
Reflectors and lenses, Safety. Rupert Manufacturing Company, Inc. 559,373, May 27; Serial No. 614,959, published Feb. 26, 1952.
Repair and replacement parts for heating, ventilating, and air-conditioning structures. The Forest City Foundries Company. 295,446, renewed July 5, 1952. O. G. May 27.

Ventilators, Barn roof. Starline, Inc. 559,321, May 27; Serial No. 607,647, published Mar. 4, 1952.

CLASS 36

Cymbals. Avedis Zildjian Company. 296,179, renewed July 26, 1952. O. G. May 27.
Guitars, mandolins, cornets, etc. Southern Music Company. 559,415, May 27; Serial No. 616,735, published Mar. 11, 1952.
Harmonicas. L. Greenberg & Son, Inc. 559,330, May 27; Serial No. 610,555, published Mar. 11, 1952.
Phonographs, Mechanical, phonograph needles, disc record albums, etc. Sears, Roebuck and Co. 559,217, May 27; Serial No. 570,659, published Mar. 11, 1952.

CLASS 38

Magazines. National Spiritual Assembly of the Baha'is of the United States and Canada. 350,407, Sept. 28, 1937. Republished May 27.
Magazines, Comic, stories in text and pictorial form, etc. The Eastern Color Printing Company. 559,465, May 27; Serial No. 591,722.
Pamphlets. The Philadelphia and Reading Coal and Iron Company. 554,442, Feb. 5, 1952. Corrected. O. G. May 27.
Periodical. American Aviation Associates, Inc. 559,455, May 27; Serial No. 546,634.
Periodical literature and printed books. National Spiritual Assembly of the Baha'is of the United States and Canada. 316,444, Aug. 28, 1934. Republished May 27.
Periodicals. E. S. Babcox. 291,823, renewed Feb. 23, 1952. O. G. May 27.
Publication, Monthly. W. Turrentine. 559,489, May 27; Serial No. 619,725.
Publication, Weekly. "Your Video Guide." 559,484, May 27; Serial No. 610,774.
Publications. Jaburg Brothers, Inc. 291,296, renewed Feb. 9, 1952. O. G. May 27.

CLASS 39

Articles of knitted clothing. J. C. Doughty, Limited. 559,315, May 27; Serial No. 607,008, published Mar. 4, 1952.
Articles of outer clothing for women and children. London Pride Limited. 559,266, May 27; Serial No. 598,085, published Feb. 26, 1952.
Back-wrap and brunch-coat. Alamo Manufacturing Co., Inc. 559,279, May 27; Serial No. 600,527, published Feb. 26, 1952.
Belts and suspenders, Men's. Sire, Inc. 559,252, May 27; Serial No. 592,725, published Dec. 26, 1950.
Blouses, dusters, bathers, etc., Women's and misses'. Missouri Garment Company, Inc. 559,319, May 27; Serial No. 607,258, published Mar. 4, 1952.
Blouses, Women's and misses'. A. J. Edlin Manufacturing Co., Inc. 559,423, May 27; Serial No. 617,111, published Mar. 4, 1952.
Boots and shoes. Thompson Bros. Shoe Co. 559,205, May 27; Serial No. 554,734, published Feb. 26, 1952.
Boots and shoes, Leather. O'Donnell Shoe Corporation. 559,197, May 27; Serial No. 542,339, published Feb. 19, 1952.
Boots, shoes, and slippers, Leather. Edwin C. Burt Company. 87,160, re-renewed July 2, 1952. O. G. May 27.
Brassières. Artistic Foundations, Inc. 559,426, May 27; Serial No. 617,332, published Mar. 4, 1952.
Clothing, Children's, men's, young men's, ladies', and girls'. Plymouth Wholesale Dry Goods Corporation. 559,419, May 27; Serial No. 616,921, published Mar. 11, 1952.
Clothing, Men's. Tepper Bros. 349,559, Aug. 31, 1937. Republished May 27.
Clothing, Protective. Pangborn Corporation. 559,379, May 27; Serial No. 615,243, published Feb. 19, 1952.
Coats and jackets, Men's and boys' leather, wool, and wool gabardine. Adamoff Manufacturing Company. 559,200, May 27; Serial No. 550,981, published Mar. 11, 1952.
Coats and suits, Ladies', misses', and juniors'. Baitch & Castaldi, Inc. 559,367, May 27; Serial No. 614,609, published Feb. 26, 1952.
Coats, Ladies'. Sportleigh Hall, Inc. 559,366, May 27; Serial No. 614,266, published Feb. 26, 1952.
Costumes, Halloween, masquerade and party. Bayshore Industries, Inc. 559,431, May 27; Serial No. 621,642, published Feb. 26, 1952.
Cravats. Towne Togs, Inc. 559,451, May 27; Serial No. 525,616.
Diapers, Infants'. Couri-Amoury Inc. 559,262, May 27; Serial No. 597,130, published Mar. 4, 1952.
Dresses and ladies' suits. Feinberg-Wiesen, Inc. 559,247, May 27; Serial No. 591,154, published Feb. 26, 1952.
Dresses, Children's. Smoler, Boris, & Sons, Inc. 559,395, May 27; Serial No. 615,862, published Mar. 11, 1952.
Dresses, Children's, women's, ladies' and misses'. Hubrite Informal Frocks, Inc. 559,469, May 27; Serial No. 598,186.
Dungarees. Commerce Manufacturing Company, Inc. 559,408, May 27; Serial No. 616,365, published Mar. 11, 1952.
Dungarees and jeans, Men's, women's, boys' and girls'. F. W. Woolworth Co. 559,409, May 27; Serial No. 616,615, published Mar. 11, 1952.
Dungarees, Boys'. Big Jack Manufacturing Company, Inc. 559,257, May 27; Serial No. 594,948, published Oct. 9, 1951.
Garments, Men's, boys' and children's outer. Crown Togs Sportswear Co. 559,400, May 27; Serial No. 616,016, published Mar. 11, 1952.
Garments, Women's, men's and boys', etc. William Hollins & Company Limited. 559,345, May 27; Serial No. 612,911, published Mar. 4, 1952.
Hairnets. J. Werndorfer. 559,490, May 27; Serial No. 621,489.
Hosiery. Holeproof Hosiery Co. 296,223, renewed Aug. 2, 1952. O. G. May 27.
Hosiery. Van Raalte Company, Inc. 296,326, renewed Aug. 2, 1952. O. G. May 27.
Hosiery, Ladies'. Knit Products Corporation. 559,332, May 27; Serial No. 611,365, published Mar. 4, 1952.
Hosiery, Men's. The Nolde and Horst Company. 559,284, May 27; Serial No. 601,070, published Feb. 19, 1952.
Hosiery, shoes of leather and fabric, rubbers, underwear, etc. Lane Bryant Inc. 293,400, renewed Apr. 19, 1952. O. G. May 27.
Hosiery, shoes of leather and fabric, rubbers, underwear, etc. Lane Bryant, Inc. 293,873, renewed May 10, 1952. O. G. May 27.
Hosiery, Women's. The Nolde and Horst Company. 559,283, May 27; Serial No. 601,066, published Feb. 19, 1952.
Jacket and pants combination. Rainfair, Inc. 559,420, May 27; Serial No. 617,057, published Mar. 11, 1952.
Outerwear, Women's, misses' and children's. Koret of California, Inc. 559,466, May 27; Serial No. 592,375.
Shirts, Dress. Stetson Shirt Co. Inc. 295,493, renewed July 5, 1952. O. G. May 27.
Shirts, Men's outer. Warren Shirts, Inc. 559,220, May 27; Serial No. 575,613, published Mar. 4, 1952.
Shoes. Colt Shoe Company. 559,306, May 27; Serial No. 604,904, published Feb. 26, 1952.
Shoes. Johnson, Stephens and Shinkle Shoe Company. 559,339, May 27; Serial No. 612,400, published Feb. 26, 1952.
Shoes and boots, Men's and women's. The Florsheim Shoe Company. 559,429, May 27; Serial No. 618,494, published Feb. 26, 1952.
Shoes and slippers, Women's and children's. Gerry Nufoam Shoe Corporation. 559,311, May 27; Serial No. 606,466, published Feb. 26, 1952.
Shoes, Leather. Red Wing Shoe Company, Inc. 559,224, May 27; Serial No. 578,895, published Feb. 26, 1952.
Shoes, Leather work. Bone Dry Shoe Mfg. Co. 559,301, May 27; Serial No. 603,832, published Feb. 26, 1952.
Shoes, Men's. H. R. Allen. 559,280. May 27; Serial No. 600,561, published Feb. 19, 1952.
Shoes, Men's leather. A. H. Geuting Company. 559,196, May 27; Serial No. 541,130, published Feb. 26, 1952.
Shoes, Men's, women's, and children's. Avonmac Shoe Company. 559,390, May 27; Serial No. 615,528, published Feb. 26, 1952.
Shoes, Men's, women's, and children's. William Hahn & Company. 559,203, May 27; Serial No. 552,374, published Apr. 3, 1951.
Shoes, Women's. Cobblers Incorporated. 559,333, May 27; Serial No. 611,503, published Feb. 26, 1952.
Shoes, Women's, misses', and children's. The Selby Shoe Company. 295,492, renewed July 5, 1952. O. G. May 27.
Slacks, trousers, and jeans, Men's, women's and children's. Republic Garment Company, Inc. 559,385, May 27; Serial No. 615,342, published Feb. 19, 1952.
Slipper-socks, Infants'. Stox. 559,352, May 27; Serial No. 613,482, published Feb. 26, 1952.
Soles and heels. The Bearfoot Sole Company, Inc. 559,388, May 27; Serial No. 615,477, published Feb. 26, 1952.
Soles and heels, Rubber. The Hagerstown Rubber Company. 559,233, May 27; Serial No. 583,199, published Dec. 26, 1950.
Suits, and slacks, sport coats, lounger jackets, etc., Men's. Foreman & Clark. 559,370, May 27; Serial No. 614,767, published Feb. 19, 1952.
Suits, topcoats, and sport coats, Men's. Timely Clothes, Inc. 559,411, May 27; Serial No. 616,653, published Mar. 11, 1952.
Suits, trousers, vests, coats, etc., Men's. Hart, Schaffner & Marx. 559,384, May 27; Serial No. 615,320, published Feb. 19, 1952.
Sweaters and knitted pantie suits, Ladies', misses', children's. Spur Knitting Mills, Inc. 559,322, May 27; Serial No. 607,831, published Mar. 4, 1952.
Sweaters, blouses and outer sport shirts, Ladies' and misses'. Carl Gutmann & Co., Inc. 559,310, May 27; Serial No. 605,900, published Mar. 4, 1952.
Trouser leg protectors. Leonard, Royal, Inc. 559,398, May 27; Serial No. 615,986, published Mar. 11, 1952.
Trousers and walking shorts, Men's and women's, men's and women's jackets, etc. S. Simpson, Limited. 559,343, May 27; Serial No. 612,762, published Feb. 19, 1952.
Underwear, Ladies. Julius Kayser & Co. 292,590, Mar. 15, 1932. Republished May 27.
Underwear, Women's, and men's, children's, and infants', etc. Alpha Mills Corporation. 559,208, May 27; Serial No. 564,367, published Feb. 6, 1951.

CLASS 40

Elastic loom-web and elastic lisle-web in narrow strip or ribbon form and elastic cords and braids. Kresge Department Store Corporation. 294,853, renewed June 7, 1952. O. G. May 27.

Class 42

Carpets and rugs. Archibald Holmes & Son. 559,412–13, May 27; Serial Nos. 616,707–8, published Mar. 11, 1952.
Cloth in the piece. B. B. & R. Knight Corporation. 294,725, renewed June 7, 1952. O. G. May 27.
Curtains, Net window. Bartmann & Bixer, Inc. 559,323, May 27; Serial No. 607,921, published Mar. 11, 1952.
Curtains, Window. Bartmann & Bixer, Inc. 559,422, May 27; Serial No. 617,075, published Mar. 11, 1952.
Fabrics, Graytogs, Inc. 559,397, May 27; Serial No. 615,979, published Mar. 11, 1952.
Fabrics in the piece, Textile. Burlington Mills Corporation. 559,474, May 27; Serial No. 605,462.
Fabrics in the piece, Wool. Miron Mills, Inc. 559,482, May 27; Serial No. 610,449.
Fabrics, Textile. Cadillac Textiles Incorporated. 559,394, May 27; Serial No. 615,815, published Mar. 11, 1952.
Fabrics, Textile. William Clark & Sons Limited. 559,342, May 27; Serial No. 612,730, published Mar. 11, 1952.
Jute webbing. Ludlow Manufacturing Associates. 293,792–3, renewed May 3, 1952. O. G. May 27.
Piece goods. Day's Tailor-d Clothing, Inc. 559,297, May 27; Serial No. 602,548, published Feb. 26, 1952.
Piece goods, Cotton. Dan River Mills, Incorporated. 559,381, May 27; Serial No. 615,272, published Mar. 11, 1952.
Sheets, sheeting, and pillow cases. Dan River Mills, Incorporated. 559,377, May 27; Serial No. 615,163, published Mar. 11, 1952.
Sheets, sheeting, and pillow cases. Dan River Mills, Incorporated. 559,380, May 27; Serial No. 615,271, published Mar. 11, 1952.
Towels and towelling. The Scottish Towel Company Limited. 559,317, May 27; Serial No. 607,144, published Mar. 11, 1952.

CLASS 44

Absorbent cotton, absorbent gauze, and sanitary napkins. McCrory Stores Corporation. 294,338, renewed May 24, 1952. O. G. May 27.
Catgut for surgical use. B. Braun. 559,277, May 27; Serial No. 600,466, published Mar. 11, 1952.
Elongated metal members used for the internal fixation of fractured femurs. Alumni Research Foundation of the College of Medical Evangelists. 559,294, May 27; Serial No. 602,132, published Mar. 11, 1952.
Instruments for dental surgery. Sodeco Societe des Compteurs de Geneve. 559,192, May 27; Serial No. 511,250, published Feb. 19, 1952.
Massaging device, Portable. E. M. Laser. 559,249, May 27; Serial No. 591,787, published Mar. 11, 1952.
Ring forceps, towel clamps and surgical scissors. Surgical Instrument Corporation. 559,344, May 27; Serial No. 612,837, published Feb. 19, 1952.
Small kit of emergency first aid supplies. Johnson & Johnson. 559,265, May 27; Serial No. 598,082, published Feb. 26, 1952.
Sutures and ligatures. Ethicon Suture Laboratories Incorporated. 559,288, May 27; Serial No. 601,205, published Mar. 11, 1952.
Therapeutic apparatus. Flexaide Co. 559,274, May 27; Serial No. 600,040, published Feb. 19, 1952.
Vacuum bottle containing a small amount of anticoagulant solution. Abbott Laboratories. 559,336, May 27; Serial No. 611,746, published Feb. 19, 1952.
Vaporizers, Refillable. A. H. Crundall Proprietary Limited. 559,273, May 27; Serial No. 600,006, published Mar. 11, 1952.

CLASS 45

Beverages, Carbonated, non-alcoholic, non-cereal, malt-less. Grapico Company of America, Inc. 559,453, May 27; Serial No. 539,153.

CLASS 46

Alimentary pastes. V. La Rosa & Sons, Inc. 293,297, renewed Apr. 19, 1952. O. G. May 27.
Apples, Dried, dried apricots, dried nectarines, etc. Rosenberg Bros. & Co. 86,619, re-renewed May 21, 1952. O. G. May 27.
Apricots, Dried, dried nectarines, dried pears, etc. Rosenberg Bros. & Co. 86,670, re-renewed May 21, 1952. O. G. May 27.
Bakery and confectionery products. Pretzel Bitz Corporation. 559,316, May 27; Serial No. 607,041, published Jan. 1, 1952.
Barbecue sauce, salad dressing, sandwich spread, etc. Halben Food Manufacturing Co., Inc. 559,391, May 27; Serial No. 615,551, published Jan. 29, 1952.
Beef, Smoked, and bacon. Newark Packing Company, Inc. 84,990, Jan. 16, 1912. Republished May 27.
Bouillon cubes, beef extract, and fresh prepared, pickled, dried and canned beef, etc. Libby, McNeill & Libby. 293,467, renewed Apr. 26, 1952. O. G. May 27.
Bread. A. B. Wasa Spisbrödsfabrik. 429,173, Apr. 22, 1947. Republished May 27.
Candy. Teakwood, Inc. 289,787, renewed Dec. 8, 1951. O. G. May 27.
Candy bars. Candymasters Incorporated. 559,368, May 27; Serial No. 614,650, published Jan. 22, 1952.
Candy mints. Vitamin Supple-Mints Co. 444,691, May 27; Serial No. 496,587, published Mar. 4, 1952.
Canned apple sauce. Sebastopol Cooperative Cannery. 559,282, May 27; Serial No. 600,989, published Jan. 22, 1952.
Canned evaporated sweet corn and dried packaged sweet corn. Martin H. Cope Company. 559,410, May 27; Serial No. 616,626, published Feb. 26, 1952.
Canned fish. Sun Harbor Packing Company. 559,198, May 27; Serial No. 545,180, published Feb. 12, 1952.
Canned fruits. Washington Canners Cooperative. 559,202, May 27; Serial No. 552,025, published Feb. 12, 1952.
Canned olives and olive oil. Olive Products Company. 228,676, June 7, 1927. Republished May 27.
Canned soups; canned and powdered soup bases, etc. Fino Fabrieken. 559,209, May 27; Serial No. 565,254, published Jan. 22, 1952.
Canned spaghetti, canned ravioli, canned chicken ravioli, etc. Riviera Packing Company. 559,242, May 27; Serial No. 588,811, published Feb. 26, 1952.
Canned vegetables. Gristede Bros., Inc. 559,375, May 27; Serial No. 615,117, published Jan. 22, 1952.
Carcasses of beef, lamb, veal, etc. United States Department of Agriculture. 559,448, May 27; Serial No. 613,095, published Jan. 8, 1952.
Cereal breakfast foods. Ralston Purina Company. 559,285, May 27; Serial No. 601,119, published Feb. 26, 1952.
Cheese. Arago Cooperative Cheese Association. 559,427, May 27; Serial No. 617,528, published Feb. 26, 1952.
Cheese. William Faehndrich, Inc. 291,873, renewed Feb. 23, 1952. O. G. May 27.
Cheese. World Cheese Co. 559,364, May 27; Serial No. 614,076, published Mar. 4, 1952.
Cheese, cheese food, and butter. H. C. Christians Co. 559,222, May 27; Serial No. 576,520, published Feb. 12, 1952.
Chewing gum. Beech-Nut Packing Company. 559,479, May 27; Serial No. 609,527.
Chocolate, Baking and cooking, and cocoa butter. A. N. Stollwerck, Inc. 559,414, May 27; Serial No. 616,732, published Feb. 19, 1952.
Chocolate, Prepared edible. Nestlé's Chocolate Company, Inc. 559,428, May 27; Serial No. 617,999, published Feb. 19, 1952.
Cigarette holders made of candy. All Western Plastics Inc. 559,477, May 27; Serial No. 608,692.
Coffee. Biedermann Bros. 85,224, re-renewed Feb. 6, 1952. O. G. May 27.
Coffee and rice. Sellers Grocery Company, Inc. 559,300, May 27; Serial No. 603,026, published Jan. 1, 1952.
Coffee, Powdered soluble, and prepared soluble coffee beverage with cream and/or sugar added. W. B. Keil. 559,487, May 27; Serial No. 612,549.
Confections on a stick, Frozen. Bobby Pops Corp. 559,296, May 27; Serial No. 602,359, published Feb. 26, 1952.
Cottage cheese. Cheez Whiz, Inc. 559,258, May 27; Serial No. 595,446, published Feb. 26, 1952.
Feed, Cattle. Albers Milling Company. 559,219, May 27; Serial No. 574,128, published Jan. 29, 1952.
Fish, Frozen. The Union Fish Company. 559,225, May 27; Serial No. 580,534, published Jan. 1, 1952.
Flour, Enriched wheat, wholewheat flour, cake flour, etc. Voigt Milling Company. 559,392, May 27; Serial No. 615,588, published Feb. 26, 1952.
Flour, Pancake. General Mills, Inc. 295,825, renewed July 12, 1952. O. G. May 27.
Flour, Wheat. The Colorado Milling & Elevator Company. 559,201, May 27; Serial No. 551,611, published Feb. 19, 1952.
Flour, Wheat. General Mills, Inc. 295,826–7, renewed July 12, 1952. O. G. May 27.
Flour, Wheat. General Mills, Inc. 295,844–8, renewed July 12, 1952. O. G. May 27.
Flour, Wheat. The Mennel Milling Company. 559,238, May 27; Serial No. 587,342, published Feb. 26, 1952.
Flour, Wheat. The Mennel Milling Company. 559,239, May 27; Serial No. 587,345, published Feb. 26, 1952.
Flour, Wheat. Standard Milling Company. 559,194, May 27; Serial No. 527,822, published Mar. 4, 1952.
Flour, Wheat, coffee, corn meal, etc. Cash Economy Wholesale Grocery Co. 559,204, May 27; Serial No. 552,940, published Mar. 4, 1952.
Food compound. Falls City Creamery Company. 559,417, May 27; Serial No. 616,907, published Feb. 26, 1952.
Food, Dog. W. A. Davis Milling Company. 559,270, May 27; Serial No. 598,787, published Mar. 11, 1952.
Food, Dog. The Meat Products Company. 348,048, July 13, 1937. Republished May 27.
Food flavors, Natural, synthetic and imitation. Firmenich & Co. 559,295, May 27; Serial No. 602,253, published Feb. 12, 1952.
Food for dogs. Quaker City Packing Co., Inc. 559,476, May 27; Serial No. 608,625.
Fruits, Fresh. V. J. Squillante. 234,730, Nov. 1, 1927. Republished May 27.

Fruits, Fresh citrus. Graves Brothers Company. 559,371, May 27; Serial No. 614,769, published Feb. 5, 1952.
Fruits, Fresh deciduous and citrus, fresh grapes, and fresh vegetables. Burnand & Company, Inc. 311,944, Apr. 10, 1934. Republished May 27.
Gravies, Prepared. Gravymaster Company, Inc. 559,329, May 27; Serial No. 609,923, published Feb. 26, 1952.
Macaroni. Prince Macaroni Manufacturing Company. 559,244, May 27; Serial No. 589,526, published Feb. 12, 1952.
Meats and meat products. Tobin Packing Co., Inc. 559,452, May 27; Serial No. 537,950.
Melons, Fresh, and fresh vegetables. J. F. Voet. 559,393, May 27; Serial No. 615,669, published Mar. 4, 1952.
Melons, Fresh, fresh grapes, and fresh vegetables. E. W. Merritt. 559,199, May 27; Serial No. 548,091, published Jan. 1, 1952.
Milk and cream, Fluid, butter, fresh eggs and cheese. Henry Becker & Son, Inc. 559,355, May 27; Serial No. 613,625, published Jan. 22, 1952.
Milk, Chocolate-malt flavored. The Wander Company. 559,237, May 27; Serial No. 586,895, published Feb. 12, 1952.
Molasses. American Molasses Co. 84,799, Jan. 9, 1912. Republished May 27.
Noodles. Mrs. Becker's Noodle Company. 559,245, May 27; Serial No. 590,008, published Feb. 12, 1952.
Noodles. N. G. Horwitt. 559,335, May 27; Serial No. 611,700, published Jan. 8, 1952.
Olives. Strohmeyer & Arpe Company. 559,235, May 27; Serial No. 584,166, published Jan. 15, 1952.
Olives and olive oil. Olive Products Company. 214,880, July 6, 1926. Republished May 27.
Olives, Ripe. Estabelecimentos Manuel da Silva Torrado & Ca. (Irmãos). 559,240, May 27; Serial No. 588,017, published Feb. 26, 1952.
Pop-corn, Chocolate flavored popped, and butterscotch flavored popped pop-corn. C. L. Schwartz. 559,356, May 27; Serial No. 613,653, published Mar. 11, 1952.
Potato chips. Havmor Food Products, Inc. 291,724, renewed Feb. 23, 1952. O. G. May 27.
Poultry and rabbits, Fresh frozen dressed. Valley Poultry & Rabbit Co. 559,236, May 27; Serial No. 585,403, published Jan. 22, 1952.
Poultry feeds, turkey feeds and livestock feeds. J. K. Martin. 559,212, May 27; Serial No. 566,527, published Feb. 26, 1952.
Pretzels. American-Cone & Pretzel Company. 559,341, May 27; Serial No. 612,644, published Nov. 27, 1951.
Sardines. Marques, Neves & Companhia, Limitada. 559,326, May 27; Serial No. 608,994, published Jan. 1, 1952.
Shortening, Vegetable oil, salad oil, wheat flour, etc. Mrs. Tucker's Foods, Inc. 559,387, May 27; Serial No. 615,423, published Jan. 22, 1952.
Shrimp, Frozen fresh. Marine Products Company. 559,312, May 27; Serial No. 606,535, published Jan. 1, 1952.
Strawberry shortcake, Frozen. E-Z Bake Products Company. 559,318, May 27; Serial No. 607,169, published Jan. 15, 1952.
Sweets. Sen. E. Haas. 559,256, May 27; Serial No. 594,457, published Feb. 19, 1952.
Tea. L. L. Bredin. 559,287, May 27; Serial No. 601,192, published Feb. 26, 1952.
Tea and coffee. John Sexton & Co. 559,486, May 27; Serial No. 612,182.
Tea, coffee, cocoa, etc. Joseph Tetley & Co., Inc. 294,997, renewed June 14, 1952. O. G. May 27.
Tea, salad dressing, prepared mustard, etc. McCormick & Company, Inc. 559,374, May 27; Serial No. 615,076, published Jan. 22, 1952.
Vegetable pure food colloid ice cream stabilizer standardized. Joe Lowe Corporation. 294,713, renewed June 7, 1952. O. G. May 27.
Vegetables, Fresh. G. J. Hollenbeck. 244,375, July 17, 1928. Republished May 27.
Vegetables, Frozen, and frozen poultry. General Foods Corporation. 559,382, May 27; Serial No. 615,276, published Feb. 26, 1952.

CLASS 47

Wines, Champagne. Societe Anonyme Etablissements Taittinger, Mailly & Cie. 559,450, May 27; Serial No. 512,755.

CLASS 49

Vodka. Ste. Pierre Smirnoff Fils, Incorporated. 334,531–2, May 5, 1936. Republished May 27.

CLASS 51

Hair dressing. The F. W. Fitch Co. 292,353, renewed Mar. 15, 1952. O. G. May 27.
Hair tints and hair dyes. The Nestle-Le Mur Company. 559,480, May 27; Serial No. 609,560.
Hair tonic. Chesebrough Manufacturing Company, Consolidated. 293,600, renewed May 3, 1952. O. G. May 27.
Hair waving lotion. R. Hudnut. 559,210, May 27; Serial No. 565,624, published Jan. 29, 1952.
Shaving soap, Liquid. Hylin & Co. Fabriks Aktiebolag. 85,585, rerenewed Feb. 27, 1952. O. G. May 27.
Toilet preparations. A. Bourjois & Co., Inc. 120,330, Feb. 5, 1918. New certificate. O. G. May 27.

CLASS 52

Cleaning composition. Fine Organics, Inc. 559,325, May 27; Serial No. 608,598, published Feb. 26, 1952.
Cleaning composition, Alkali. Fine Organics, Inc. 559,324, May 27; Serial No. 608,597, published Feb. 26, 1952.
Cleaning fluid, Liquid. H. W. Lund. 291,209, renewed Feb. 2, 1952. O. G. May 27.
Compound for removing stains from textile fabrics. R. R. Street & Co., Inc. 559,195, May 27; Serial No. 528,528, published Mar. 11, 1952.
Concentrated boiler water treating liquid, concentrated anti-freeze liquid, and concentrated automobile radiator cleaning liquid. The Dacar Products Company. 295,747, renewed July 12, 1952. O. G. May 27.
Detergent. Church & Dwight Co., Inc. 559,320, May 27; Serial No. 607,579, published Mar. 11, 1952.
Dry cleaning fluid. The Roessler & Hasslacher Chemical Company, Inc. 294,535, May 31, 1932. Republished May 27.
Laundry detergents, strongly alkaline detergents, etc. The Pennsylvania Salt Manufacturing Company. 559,207, May 27; Serial No. 560,044, published Mar. 11, 1952.
Phenolic organic chemicals used in soaps. Givaudan-Delawanna, Inc. 559,272, May 27; Serial No. 599,631, published Mar. 11, 1952.
Shampoo. The Grove Laboratories, Inc. 559,383, May 27; Serial No. 615,317, published Mar. 11, 1952.
Surface-active agent. Refined Products Corporation. 559,313, May 27; Serial No. 606,809, published Mar. 4, 1952.

CLASS 100

Consulting mechanical engineering service. Walsh, Inc. 559,446, May 27; Serial No. 614,974, published Mar. 4, 1952.
Diaper rental service. The Diaper Service Institute of America. 559,447, May 27; Serial No. 587,429, published Mar. 4, 1952.
Electric power and steam heat distribution services. Union Electric Company of Missouri. 559,433, May 27; Serial No. 585,464, published Mar. 4, 1952.

CLASS 101

Hotel, resort and travel advertising and information service. Where-To-Go Bureau, Inc. 559,432, May 27; Serial No. 561,360, published Mar. 4, 1952.
Marketing research. A. C. Nielsen Company. 559,435, May 27; Serial No. 587,646, published Mar. 4, 1952.

CLASS 102

General real estate and mortgage brokerage, financing and management services, etc. C. W. Turner. 559,437, May 27; Serial No. 593,844, published Mar. 4, 1952.
Savings and loan services. Shaker Savings Association. 559,443, May 27; Serial No. 604,600, published Mar. 4, 1952.

CLASS 103

Finishing of hosiery. H. McAdams. 559,434, May 27; Serial No. 585,757, published Mar. 4, 1952.
Leasing of clamps for concrete-column forms. Baker-Roos, Inc. 559,444, May 27; Serial No. 606,963, published Mar. 4, 1952.

CLASS 106

Chemical treatment of garments. Shure Brothers, Incorporated. 559,440, May 27; Serial No. 600,703, published Mar. 4, 1952.

CLASS 107

Entertainment service. The Answer Man. 559,438, May 27; Serial No. 599,046, published Mar. 4, 1952.
Entertainment service. M. T. M. Pompender. 559,442, May 27; Serial No. 602,298, published Mar. 4, 1952.
Information service. R. Hill. 559,441, May 27; Serial No. 601,393, published Mar. 4, 1952.
Informational and instructive services. National Wildlife Federation. 559,439, May 27; Serial No. 599,526, published Mar. 4, 1952.
Informational services. Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm. 559,436, May 27; Serial No. 593,571, published Mar. 4, 1952.
Teaching of the art of baton twirling, and also furnishing baton twirlers. International Baton Twirling Foundation. 559,445, May 27; Serial No. 614,507, published Mar. 4, 1952.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Addressograph-Multigraph Corporation, assignee: *See*—
Seward, Percy R.

Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Copolymeric siloxanes. Re. 23,502, May 27.

Carney, James J., deceased, Wethersfield, Conn., by The United Tool & Die Company, Elmwood, Conn., assignee. Pinking scissors. Re. 23,503, May 27.

Carter, Clarence F., Danville, Ill. Vacuum head for filling containers with powders. Re. 23,504, May 27.

Cutter Corporation, assignee: *See*—
Davis, Roy P. M.

Davis, Roy P. M., Bonsall, Calif., assignor, by mesne assignments, to Cutter Corporation. Haircutting comb. Re. 23,505, May 27.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J., and Gilkey.

Dunn, Clarence L.: *See*—
Maycock, Russel L., and Dunn.

Gilkey, John W.: *See*—
Barry, Arthur J., and Gilkey.

Hobart-Federal Engineering Corporation, assignee: *See*—
Jackson, Aldrich L.

Howe Twister Corporation, assignee: *See*—
Uhlig, Henry C.

Jackson, Aldrich L., Excelsior, assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Stripper and cleaner for meat tenderizing machines. Re. 23,506, May 27.

Maycock, Russel L., Oakland, and C. L. Dunn, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Producing and refining ethyl alcohol. Re. 23,507, May 27.

Seward, Percy R., deceased, Minneapolis, Minn., by Addressograph-Multigraph Corporation, Wilmington, Del., assignee: Automatic plate inserter and ejector for embossing machines. Re. 23,508, May 27.

Shell Development Company, assignee: *See*—
Maycock, Russel L., and Dunn.

Uhlig, Henry C., Clifton, assignor, by mesne assignments, to Howe Twister Corporation, Jersey City, N. J. Method of and apparatus for twisting yarn. Re. 23,509, May 27.

United Tool & Die Company, The, assignee: *See*—
Carney, James J.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Nectarine plant. 1,100, May 27.

LIST OF DESIGN PATENTEES

Adams, William E., Washington, D. C. Lamp or similar article. 166,839, May 27.

Alexander, Fred C., assignor to Universal-Rundle Corporation, New Castle, Pa. Combined water closet and flush tank. 166,840, May 27.

Allgeyer, Guy H., Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill. Electric roaster. 166,841, May 27.

American Optical Company, assignee: *See*—
Armbruster, John T.

Auper, Inc., assignee: *See*—
Perugia, André.

Arcadia Metal Products, Inc., assignee: *See*—
Mason, Robert D.

Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Head of a diagnostic instrument. 166,842, May 27.

Bailey, Kenneth R., Dearborn, Mich. Airplane. 166,843, May 27.

Bantam-U. S. Toys, Inc., assignee: *See*—
Bonafide, Tesa.

Becker, Charles H., assignor to Ironwood Trailer Coaches, Inc., Ironwood, Mich. Trailer. 166,844, May 27.

Bonafide, Tesa, Port Chester, assignor to Bantam-U. S. Toys, Inc., New York, N. Y. Stuffed toy rabbit. 166,845, May 27.

Borowitz, David, Chicago, Ill. Electric lamp base. 166,846, May 27.

Briggs, Helen, North Attleboro, Mass., assignor to Evans Case Co. Ash tray or similar article. 166,847, May 27.

Brown & Bigelow, assignee: *See*—
Woofter, Cecil B.

Brown, Blake H., Roanoke, Va. Cigarette holding and dispensing device. 166,848, May 27.

Campbell, A. S., Company, assignee: *See*—
McLeod, Charles A.

Candee, George W., Buena Park, Calif. Spoon holder. 166,849, May 27.

Carter, Melville J., Chicago, Ill. Photographic flash unit. 166,850, May 27.

Chambers Corporation, assignee: *See*—
Reed, Howard L.

Clewlow, Geoffrey G., Huntington, assignor to Gyrodyne Company of America, Inc., Flowerfield, N. Y. Cargo-carrying rotary wing aircraft and the like. 166,851, May 27.

Corning Glass Works, assignee: *See*—
Jezowski, Zosia.

Cutler Corporation, assignee: *See*—
Spanel, Abraham N.

De Young, Jack, Grand Haven, Mich., T. Petersen, Skokie, and H. H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation. Combination phonograph, radio, and television receiver cabinet. 166,852, May 27.

Evans Case Co., assignee: *See*—
Briggs, Helen.
Reilly, William J.

Falcon Plastic Products Mfg. Co., assignee: *See*—
Russell, George F.

Felch, Estel D., Madison, Wis. Combined nose and eye protector. 166,853, May 27.

Fosler, Donald R., and R. Hansen, Omaha, Nebr., assignors to F. H. Noble & Company, Chicago, Ill. Trophy base. 166,854, May 27.

Gottschalk, William H., assignee: *See*—
Russell, George F.

Gyrodyne Company of America, Inc., assignee: *See*—
Clewlow, Geoffrey G.

Handkamer, Chris R., Winnipeg, Manitoba, Canada. Fish lure. 166,855, May 27.

Hansen, Lucille E.: *See*—
Hanssen, Stan B., and Hansen.

Hansen, Ray: *See*—
Fosler, Donald R., and Hansen.

Hanson Scale Company, assignee: *See*—
Hanssen, Stan B., and Hansen.

Hanssen, Stan B., Kenilworth, and L. E. Hansen, Barrington, assignors to Hanson Scale Company, Chicago, Ill. Postal scale. 166,856, May 27.

Hiltenbrand, Frank X., Ridgefield, N. J. Combined wallet and purse. 166,857, May 27.

Ironwood Trailer Coaches, Inc., assignee: *See*—
Becker, Charles H.

Jacoby-Bender, Inc., assignee: *See*—
Rodriguez, Emil.

Jezowski, Zosia, Orange, N. J., assignor to Corning Glass Works, Corning, N. Y. Tumbler or similar article. 166,858, May 27.

Julian & Kokenge Company, The, assignee: *See*—
Stock, Otto F.

Keyes Fibre Company, assignee: *See*—
Shepard, Ernest L.
Kolb, Albert C., assignor to La Crosse Rubber Mills Company, La Crosse, Wis. Overshoe. 166,859, May 27.
La Crosse Rubber Mills Company, assignee: *See*—
Kolb, Albert C.
Lampel, William I., Brooklyn, assignor to Steelmaster, Inc., New York, N. Y. File cabinet or similar article. 166,860, May 27.
Lampel, William I., Brooklyn, assignor to Steelmaster, Inc., New York, N. Y. Combination file cabinet and desk or similar article. 166,861, May 27.
Mason, Robert D., Los Angeles, assignor to Arcadia Metal Products, Inc., Arcadia, Calif. Combined door pull and latch for sliding doors. 166,862, May 27.
McLeod, Charles A., Birmingham, Mich., assignor to A. S. Campbell Company, Boston, Mass. Cover for a vehicle wheel. 166,863, May 27.
Mecum, Philip C., Haywood, Calif. Gambrel. 166,864, May 27.
Mesl, James, Chicago, Ill. Corn buttering implement. 166,865, May 27.
Noble, F. H., & Company, assignee: *See*—
Fosler, Donald R., and Hansen.
Nye, Maurice E., deceased, Barberton, Ohio; W. L. Nye, executor of said M. E. Nye. Coaster pad. 166,866, May 27.
Nye, Willard L., executor: *See*—
Nye, Maurice E.
Perugia, André, Paris, France, assignor to Anper, Inc., Long Island City, N. Y. Lady's shoe or similar article. 166,867, May 27.
Perugia, André, Paris, France, assignor to Anper, Inc., Long Island City, N. Y. Lady's shoe or similar article. 166,868, May 27.
Peters, Leo, Evanston, Ill. Molded food product. 166,869, May 27.
Peters, Leo, Evanston, Ill. Molded food product. 166,870, May 27.
Peters, Leo, Evanston, Ill. Molded food product. 166,871, May 27.
Peters, Leo, Evanston, Ill. Molded food product. 166,872, May 27.
Peters, Leo, Evanston, Ill. Molded food product. 166,873, May 27.
Petersen, Thorvald: *See*—
De Young, Jack, Petersen, and Steglich.
Reed, Howard L., Shelby County, Ind., assignor to Chambers Corporation. Dial. 166,874, May 27.
Reilly, William J., Attleboro, Mass., assignor to Evans Case Co. Table lighter. 166,875, May 27.
Robins, Seymour, New York, N. Y. Three-dimensional decorative greeting card. 166,876, May 27.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracket or the like. 166,877, May 27.
Rose, Henry, New York, N. Y. Textile fabric. 166,878, May 27.
Rose, Henry, New York, N. Y. Textile fabric. 166,879, May 27.
Ruppe, Peter P., Grosse Pointe Woods, Mich. Combined knife and saw. 166,880, May 27.
Russell, George F., Sherman Oaks, assignor to R. Schwartz, Jr., and W. H. Gottschalk, a co-partnership, doing business as Falcon Plastic Products Mfg. Co., Culver City, Calif. Wall switch actuator. 166,881, May 27.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Casing for a door closer. 166,882, May 27.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Casing for a door closer. 166,883, May 27.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Casing for a door closer. 166,884, May 27.
Schlage Lock Company, assignee: *See*—
Schlage, Ernest L.
Schletter, Richard E., Cheltenham Township, Montgomery County, assignor to Signature Hosiery Company, North Wales, Pa. Lady's stocking. 166,885, May 27.
Schwarz, Robert, Jr., assignee: *See*—
Russell, George F.
Shepard, Ernest L., Fairfield, assignor to Keyes Fibre Company, Portland, Maine. Packing article for fragile materials. 166,886, May 27.
Signature Hosiery Company, assignee: *See*—
Schletter, Richard E.
Spanel, Abraham N., Princeton, N. J., assignor to Cutler Corporation, Wilmington, Del. Combination vending and display stand for hair cutters. 166,887, May 27.
Spanel, Abraham N., Princeton, N. J., assignor to Cutler Corporation, Wilmington, Del. Combination vending and display device for hair cutters. 166,888, May 27.
Stec, Dmytro, Dearborn, Mich. Wal plaque. 166,889, May 27.
Steelmaster, Inc., assignee: *See*—
Lampel, William I.
Steglich, Herbert H.: *See*—
De Young, Jack, Petersen, and Steglich.
Stock, Otto F., assignor to The Julian & Kokenge Company, Columbus, Ohio. Woman's shoe. 166,890, May 27.
Thonet Industries, Inc., assignee: *See*—
Weill, Bruno R.
Tinling, Collingwood T., London, England, assignor to Tinling, Inc., New York, N. Y. Necktie. 166,891, May 27.
Tinling, Inc., assignee: *See*—
Tinling, Collingwood T.
Tropic-Aire, Inc., assignee: *See*—
Allgeyer, Guy H.
Universal-Rundle Corporation, assignee: *See*—
Alexander, Fred C.
Vigna, Peter F., Antioch, Calif. Christmas tree holder. 166,892, May 27.
Weill, Bruno R., Statesville, N. C., assignor to Thonet Industries, Inc., New York, N. Y. Nesting chair. 166,893, May 27.
Whitney, Ruby D., Chicago, Ill. Container for comestibles. 166,894, May 27.
Whitney, Ruby D., Chicago, Ill. Container for comestibles. 166,895, May 27.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Letter opener. 166,896, May 27.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Letter opener. 166,897, May 27.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Letter opener. 166,898, May 27.
Zenith Radio Corporation, assignee: *See*—
De Young, Jack, Petersen, and Steglich.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. Strateg, assignee: *See*—
Von Korshenewsky, Nicolai.
Abrams, Harry, Philadelphia, Pa. Dispensing cap for collapsible tubes. 2,598,482, May 27.
Acker, William L., Jr., Scranton, Pa. Rotary earth drill with fluid pressure feed. 2,598,203, May 27.
Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. 4-dialkylaminophthalic anhydride. 2,597,965, May 27.
Adams, Frederic H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Pigments from 2-chloro-5-aminoethylbenzene-4-sulfonic acid and beta naphthol. 2,598,483, May 27.
Adams, Harold E., Norwalk, assignor to Nash Engineering Company, South Norwalk, Conn. Bearing seal assembly. 2,598,484, May 27.
Adams, Robert T., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for feeding and distributing electrical cordage. 2,598,485, May 27.
Addressograph-Multigraph Corporation, assignee: *See*—
Gruver, John H.
Morse, Lawrence H.
Adler, Estelle, New York, N. Y. Suction applying therapeutic apparatus. 2,597,966, May 27.
Adler, Richard W.: *See*—
Rosenthal, Daniel, Adler, and Nathan.
Adney, Thomas H. L., assignee: *See*—
Austen-Walton, John I.
Ahlburg, Frank, Los Angeles, Calif. Bag closure. 2,598,334, May 27.
Ahlgrim, John F., Palatine, Ill. Cutting disk for lawn mowers. 2,598,091, May 27.
Air Line Engineering Corporation, assignee: *See*—
Odom, Earl R., and Lannen.
Akins, James D., assignee: *See*—
Baxter, Mason.
Aktiebolaget Linderoths Patenter, assignee: *See*—
Blomén, Torsten.
Aktiebolaget Svenska Precisionsverktyg, assignee: *See*—
Alfredeén, Uno A.
Aktiebolaget Zander & Ingestrom, assignee: *See*—
Berg, Gösta V., and Hallman.
Alar Products, Inc., assignee: *See*—
Steffen, Elmer G.
Alfredeén, Uno A., Stockholm, assignor to Aktiebolaget Svenska Precisionsverktyg, Nacka, Sweden. Thread-cutting device. 2,597,849, May 27.
Allen, Raymond E., Kittery, Maine. Hydraulically operated exercising table. 2,598,204, May 27.
Aller, T. Dwight: *See*—
Noll, Paul E., Crawford, Aller, and Rethey.
Alsing, Carl F., Wilbraham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulator for secondary volatile refrigerant circuit. 2,598,335, May 27.
Altham, Henry, Wrexham, North Wales. Vermin trap. 2,598,205, May 27.
Aluminum Company of America, assignee: *See*—
Weir, James, and Dulin.
Alvey, Betty A., San Bernardino, Calif. Adjustable shower apparatus. 2,598,092, May 27.
Ambler, Robert R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for vulcanizing endless belts. 2,598,655, May 27.
American Can Company, assignee: *See*—
Czarnecki, John D.
Greubel, Paul W.
Nordquist, Ronald E. J.
Paynter, Horace J., and Derrer.
American Cyanamid Company, assignee: *See*—
Adams, Frederic H.
American Enka Corporation, assignee: *See*—
Rutgers, Ulrich J.
American Manufacturing Company, Inc., assignee: *See*—
Croston, Edward L.
American Steel Foundries, assignee: *See*—
Cottrell, Robert B.
Tack, Carl E.
American Viscose Corporation, assignee: *See*—
Conti, John D.
Knopp, Wallace A.
Knopp, Wallace A., and Nash.
Anchor Hocking Glass Corporation, assignee: *See*—
Fouse, Frederick Z.
Anderson, Carl A., Cranston, assignor to Anson, Inc., Providence, R. I. Billfold. 2,597,967, May 27.
Anderson, Hulda, executrix: *See*—
Anderson, Robert G.
Anderson, Robert G., deceased, Erie, Pa., by H. Anderson, executrix, Erie, Pa., assignor to General Electric Company. Railway auxiliary power plant mounting. 2,598,336, May 27.
Anderson, William E., Kansas City, assignor of one-half to William Earl Anderson, Blue Springs, Mo. Material feeder and hydrator. 2,597,916, May 27.
Anderson, William Earl, assignee: *See*—
Anderson, William E.
Andrew, Charles, and F. Waltkens, Brooklyn, N. Y. Closure cap lining machine. 2,598,028, May 27.
Andrews, Glenn E., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,598,337, May 27.
Andrews, John W., Pittsburgh, Pa., assignor to United States Steel Company. Electrolytic tin plating baths. 2,598,486, May 27.
Andrews, O. B., Company, assignee: *See*—
Turner, William E.
Anechiarico, Louis J., Endicott, N. Y. Fishing game. 2,598,487, May 27.
Anker-Werke, A. G., assignee: *See*—
Klaar, Albert.
Anson, Inc., assignee: *See*—
Anderson, Carl A.
Appliance Corporation of America, assignee: *See*—
Horvath, John F.
Arbogast, Alfred C., assignor to Northern Indiana Brass Co., Elkhart, Ind. Making pipe joints. 2,598,338, May 27.
Arens, Cecil F., South Bend, Ind. Sash hanger. 2,598,093, May 27.
Armstrong Cork Company, assignee: *See*—
Humphreys, Harry S.
Askue, Albert R., Euclid, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Discharge conveyer for excavating machines. 2,598,339, May 27.
Athey Products Corporation, assignee: *See*—
MacDonald, Raymore D.
Atlas Powder Company, assignee: *See*—
Ehrlich, Samuel D.
Augereau, Gaston, Paris, assignor to "Le Joint Francais," Bezons, France. Bearing seal. 2,598,094, May 27.
Austen-Walton, John I., Worthing, assignor of one-half to T. H. L. Adney, West Worthing, England. Mounting device. 2,598,206, May 27.
Automatic Electric Laboratories Inc., assignee: *See*—
Baker, George T.
Balzer, Harvey W.
Avco Manufacturing Corporation, assignee: *See*—
Constantine, Arthur R.
Vutz, Wilhelm.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Partial product multiplying machine. 2,598,095, May 27.
Bailey, Ervin G., Easton, Pa., P. S. Dickey, East Cleveland, and J. F. Shannon, Euclid, Ohio, assignors to Bailey Meter Company. Valving apparatus. 2,598,207, May 27.
Bailey, Grant C., Royal Oak, Mich., and W. B. Whitney, Bartlesville, Okla., assignors to Phillips Petroleum Company. Making grease. 2,598,154, May 27.
Bailey Meter Company, assignee: *See*—
Bailey, Ervin G., Dickey, and Shannon.
Dickey, Paul S.
Dickey, Paul S., and Hornfeck.
Hoffman, Howard T.
Bailey, Revilo E., assignor of one-half to J. N. Thompson, Tulsa, Okla. Duct static pressure control. 2,598,208, May 27.
Bailly, Florent H., Pasadena, Calif. Vehicle position indicator. 2,598,096, May 27.
Baker, George T., Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill. Assembling and connecting nonlinear resistance elements. 2,598,097, May 27.
Baker Oil Tools, Inc., assignee: *See*—
Baker, Reuben C., and Ragan.
Lee, Francis H.
Baker-Raulang Company, The, assignee: *See*—
Lehmann, Max.
Baker, Reuben C., Coalinga, and T. M. Ragan, Downey, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well packer lock device. 2,598,340, May 27.
Baldwin, Joseph W., Wichita Falls, Tex. Article holder for automobile visors. 2,598,029, May 27.

Baldwin, Leslie B., Auburn, assignor to Welded Products Limited, Alexandria, near Sydney, New South Wales, Australia. Brake and inching control mechanism for mechanical presses. 2,598,633, May 27.

Ball & Socket Manufacturing Co., The, assignee: *See*— Hubbell, Leslie W.

Balzer, Harvey W., Downers Grove, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone call distributing system. 2,598,098, May 27.

Bancroft, Joseph, & Sons Company, assignee: *See*— Jones, Albert S., and Stackpole.

Bannon, Thomas C., assignee: *See*— Spencer, Lloyd.

Barfod, Frederik: *See*— Wirth, Emil O., and Barfod.

Barnes, Bealle C.: *See*— Holman, Harry R., and Barnes.

Baron, Fred, assignor to Stetson China Company, Chicago, Ill. Machine for decorating china or the like. 2,597,968, May 27.

Bart, Thomas E., assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio. Water service fixture. 2,598,488, May 27.

Barton, Hugh M., Fort Worth, Tex. Safety switch. 2,597,969, May 27.

Bartram, Thomas W., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Making agglomerates. 2,598,209, May 27.

Bastian Bros. Co., assignee: *See*— Bastian, Theron E., and Strollis.

Bastian, Theron E., Irondequoit, and E. A. Strollis, assignors to Bastian Bros. Co., Rochester, N. Y. Wire-pointing mechanism. 2,598,656, May 27.

Bates, William F., South Pasadena, J. N. Gregory, La Habra, and A. H. Curry, Wilmington, assignors to Shell Development Company, San Francisco, Calif. Method and apparatus for installing drilling equipment. 2,598,099, May 27.

Batista, Claudio P., Mexico City Mexico, assignor to W. Lewith, Charlotte, N. C. Attenuating apparatus. 2,597,850, May 27.

Battles, Ralph A., El Monte, assignor of fifty per cent to W. R. Battles, Redondo Beach, Calif. Vehicle seat convertible to a bed. 2,598,100, May 27.

Battles, Willis R., assignee: *See*— Battles, Ralph A.

Baumann, Edward W., Deming, N. Mex. Scarf joint for railroad rails. 2,598,101, May 27.

Baxter, Mason, San Francisco, assignor to J. D. Akins, Los Angeles, Calif. Heat insulating material. 2,598,102, May 27.

Bayer, Elton A., Sioux Falls, and L. D. Langdon, Centerville, S. Dak. Hand truck and lift. 2,598,489, May 27.

Beacham, Thomas E., London, England. Filter. 2,598,210, May 27.

Beaver Pipe Tools, Inc., assignee: *See*— Pealer, Robert B.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Phase shifting network. 2,598,437, May 27.

Bellaeff, Stephen B., Suffern, N. Y. Toy motor. 2,598,211, May 27.

Bell Telephone Laboratories, Incorporated, assignee: *See*— Burton, Everett T.
Parkinson, David B.
Teal, Gordon K.

Bellard, Jean Q., Indianapolis, and G. H. F. Schnakenberg, Plainfield, assignors to Eli Lilly and Company, Indianapolis, Ind. Riboflavin-glyoxal condensation products. 2,598,103, May 27.

Bendix Aviation Corporation, assignee: *See*— Burnett, Richard T.
Deardorff, Clinton E.
Gordon, James F.
House, Bryan E.
Long, Richard H.
Ringer, Evue J.
Wirth, Emil O., and Barfod.
Shaff, Ernest H.

Bent, Arthur J., Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure brake cylinder device. 2,597,917, May 27.

Berg, Gösta V., Karlskoga, and N. J. Hallman, assignors to Aktiebolaget Zander & Ingestrom, Stockholm, Sweden. Control of the steam generation in electric steam boilers. 2,598,490, May 27.

Bergfors, Carl A., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Peaked pulse generator. 2,598,491, May 27.

Best Foods, Inc., The, assignee: *See*— Melnick, Daniel.

Betts, Gilbert L., Minneapolis, Minn. Electric data processor. 2,598,155, May 27.

Bianchi, Armando J., Buenos Aires, Argentina. Safety razor. 2,598,104, May 27.

Bill, Robert O., San Leandro, Calif. Elevating means for vehicle beds. 2,598,031, May 27.

Bird, Hyrum L., Richmond, Calif. Parachute release for kites. 2,598,030, May 27.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Preventing corrosion and corrosion inhibitors. 2,598,213, May 27.

Blair, Frank P., Chicago, Ill. Rotary shear. 2,598,212, May 27.

Blak, Einar V., assignee: *See*— Kadesky, David.

Blish, Morris J., Toledo, Ohio, assignor to International Minerals & Chemical Corporation. Manufacture of protein hydrolysates. 2,598,341, May 27.

Blomén, Torsten, assignor to Aktiebolaget Linderoths Patenter, Stockholm, Sweden. Wet separator for purifying a particle laden gas current. 2,598,032, May 27.

Boeing Airplane Company, assignee: *See*— Davies, Charles H.

Boersma, Barney, and A. A. Parcels, Grand Rapids, Mich., assignors to Sackner Products, Inc. Making tacking strip. 2,597,918, May 27.

Boës, Jean, Boinvilliers par Vert, France. Holding and packaging means for pharmaceutical phials and the like. 2,598,492, May 27.

Bogin, Herman, and A. Gold, Bronx, and H. Gold, Flushing, assignors to Gold Bros., Inc., New York, N. Y. Ball-type lipstick applicator. 2,598,493, May 27.

Bollek, Paul M., Anaheim, Calif. Weighing apparatus. 2,598,494, May 27.

Bollettieri, Patrick J., Pelham, N. Y. Music stand utility case. 2,597,970, May 27.

Bolling, Jay E., Los Angeles, Calif. Leg construction for furniture. 2,598,105, May 27.

Bondhus, Frances J.: *See*— Johnson, Herbert L., and Bondhus.

Bone, Herbert L., Forest Hills, and R. A. Woods, Verona, Pa., assignors to Westinghouse Air Brake Company. Railway switch operating apparatus. 2,598,495, May 27.

Borden, Joseph H., assignor to Haughton Elevator Company, Toledo, Ohio. Inductor leveling switch. 2,598,214, May 27.

Borg-Warner Corporation, assignee: *See*— Kelbel, Donald W.

Borkowski, Casimer J., and R. H. Firminhac, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Ionization chamber. 2,598,215, May 27.

Botany Mills, Inc., assignee: *See*— Vaterrodt, Peter, and McNellis.

Bourdon, Pierre M., Paris, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand (Puy-de-Dome), France. Metallic reinforcing cord for pneumatic tires. 2,598,033, May 27.

Bousky, Samuel, Shaker Heights, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Rotary pump valve construction for compressors. 2,598,216, May 27.

Bowden, James J., Warren, Ohio. Fluidizing slag in the manufacture of steel by open-hearth and electric furnace processes. 2,597,851, May 27.

Boyden, Robert E., Los Angeles, Calif., assignor to Marchant Calculating Machine Company. Office machine. 2,598,342, May 27.

Boyle, Frank A., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Drilling attachment for riveting machines. 2,598,106, May 27.

Bradley, Theodore F., and D. E. Winkler, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif. Stabilization of vinyl halide polymers with a salt of a hydrocarbon substituted benzoic acid. 2,598,496, May 27.

Brady, Edward B., Cleveland, Ohio. Program and communication system for drive-in theaters or restaurants. 2,598,343, May 27.

Brandt, H. J., assignee: *See*— Knorr, Herman, Jr.

Brandvig, Lauren B., Minneapolis, Minn. Novelty toy spectacle. 2,598,107, May 27.

Braun, Philip N., Inc., assignee: *See*— Petermann, Otto, and Kosmer.

Brennan, Robert M., Cleveland, Ohio. Apparatus for making metal strips. 2,598,344, May 27.

Brener Electric Mfg. Company, assignee: *See*— Brener, Grant W., and Lanter.

Brener, Grant W., Northbrook, and C. W. Lanter, Bartlett, assignors to Brener Electric Mfg. Company, Chicago, Ill. Manually supported blower for cleaning floors and the like. 2,598,499, May 27.

Brill, Edward F., and O. W. Schroeder, Milwaukee, Wis. Article ejector and stop means. 2,598,156, May 27.

Bristol Laboratories, Inc., assignee: *See*— Cooper Douglas E.

Bristow, Mary: *See*— Carter, Ronald J., and Bristow.

British Optical & Precision Engineers Limited, assignee: *See*— Robertson, Robert.

Broberg, Walter O. W.: *See*— Virgen, Sten D., Broberg, and Olsson.

Bronson, Hazel J., Garden City, N. Y. Invalid's boot with thick resilient insole. 2,598,217, May 27.

Brown, Carl S., Lakewood, assignor to Glascote Products, Inc., Cleveland, Ohio. System for concentrating liquids. 2,598,345, May 27.

Brown, Clifford: *See*— Ferguson, John M., and Brown.

Brown, Ernest D.: *See*— Whitworth, Stanley J. L., and Brown.

Brown, George T., Jr., assignor to The National Cash Register Company, Dayton, Ohio. Selective folding hand stamp. 2,597,919, May 27.

Brown, John R., Woodmont, and C. I. Read, assignors to Tilo Roofing Company, Inc., Stratford, Conn. Shingle. 2,598,497, May 27.

Brown, Kenneth M., Hinsdale, and C. G. Gerhold, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Desulfurization of hydrocarbon gases. 2,598,034, May 27.

Brown, Ralph, Fall Brook, assignor to Electrical Products Corporation, Los Angeles, Calif. Enamel coated articles and making same. 2,598,498, May 27.

Brumby, Augusta K., Atlanta, Ga. Baby's toy and support therefor. 2,598,218, May 27.

Brunswick-Balke-Collender Company, The, assignee: *See*— Harris, Forist.

Buffalo Electro-Chemical Company, Inc., assignee: *See*— McEwen, Robert L., and Sheldon.

Bulkley, William L., Munster, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,598,035, May 27.

Burgess Battery Company, assignee: *See*— Coleman, Joseph J.

Burgess, Robert M., Cullman, Ala. Tractor and cultivator attachment. 2,598,219, May 27.

Burke, Richard J., Corona Del Mar, Calif. Agitating apparatus. 2,598,500, May 27.

Burke, William F., and R. L. Essex, assignors to The McBee Company, Athens, Ohio. Automatic gas shutoff device for printing presses. 2,598,346, May 27.

Burkhardt, Otto M., Euclid, Ohio. Cover sealing means for cooking utensils. 2,598,220, May 27.

Burnett, Richard T., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,598,501, May 27.

Burnham, Lee H., North Platte, Nebr. Rotary buffing and polishing machine. 2,597,971, May 27.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power amplifier circuit. 2,598,221, May 27.

Burton, William P., Orange, assignor to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,598,503, May 27.

Butera, Charles, Los Angeles, Calif. Flatiron supporting and cleaning device. 2,598,347, May 27.

Butler, Ernest L., Lynn, and O. M. Holmes, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in scribing wiper blanks. 2,597,972, May 27.

Butler, Oscar, Kansas City, Mo. Control system for taxicab meters. 2,598,348, May 27.

Butler, William H., Selkirk, Manitoba, Canada. Elevating clothes drier. 2,598,502, May 27.

Cahill, John T., Hinsdale, and G. W. Jandacek, assignors to Universal Oil Products Company, Chicago, Ill. Combined fractionation heating and liquid level control means. 2,598,036, May 27.

Cahners, Norman L., Newton, and A. W. Moffat, assignors of one-half to said Cahners, and one-half to Materials Handling Laboratories, Inc., Boston, Mass. Materials handling apparatus. 2,598,222, May 27.

California Research Corporation, assignee: *See*— Stewart, Harold R., and Thaw.
Thaw, Wallace M., and Stewart.

Calon, Georges: *See*— Mataré, Herbert F., Calon, and Philippoteaux.

Camfield Manufacturing Company, assignee: *See*— Olson, Henry L., Hale, and Miller.

Canada Illinois Tools Limited, assignee: *See*— Rintoul, Peter.

Canadian International Paper Company, assignee: *See*— Wayman, Morris, and Rapson.

Carlson, Harold, Hartsdale, assignor to Times Facsimile Corporation, New York, N. Y. Color picture transmission and reproduction. 2,598,504, May 27.

Carmody, James C., Philadelphia, Pa. Wind vane. 2,598,505, May 27.

Carrier Engineering Company Limited, assignee: *See*— Fowler, Alexander P.

Carrier Engineering Company, Limited, assignee: *See*— Halls, James H. C.
Whitworth, Stanely J. L., and Brown.

Carrington, Roy R., Fulton, Mo. Toy helicopter. 2,598,349, May 27.

Carroll, Daniel J., Saskatoon, Saskatchewan, Canada. Auger type trenching machine. 2,598,350, May 27.

Carroll, Richard T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Organo-tin compounds and composition including same and making same. 2,597,920, May 27.

Carter, Franklyn Y., Dearborn, assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic valve. 2,598,351, May 27.

Carter, Ronald J., and M. Bristow, Slough, England, assignors to Imperial Chemical Industries Limited. Dehydration of castor oil. 2,598,108, May 27.

Cassell, John R., New York, N. Y. Apparatus for destroying ground moles. 2,598,352, May 27.

Cassman, Harry: *See*— Lubsznyski, Hans G., McGee, Turk and Cassman.

Celanese Corporation of America, assignee: *See*— Oxley, Horace F., Thomas, and Murfitt.
Stearn, William T.

Chain Belt Company, assignee: *See*— Olson, Albert M.

Champion Laboratories, Inc., assignee: *See*— Hance, Isaac I.

Chapman, John H., Central, S. C. Filling detecting device for looms. 2,598,353, May 27.

Chasar, Anthony R., assignor to The Oster Manufacturing Company, Cleveland, Ohio. Nipple chuck. 2,598,109, May 27.

Chase, Linwood R., Presque Isle, Maine. Discharge conveyer attachment for potato diggers. 2,598,223, May 27.

Chestnut, John D., assignee: *See*— Spencer, Lloyd.

Chilcote, Wilbur B.: *See*— Proell, Wayne A., and Chilcote.
Proell, Wayne A., Chilcote, and Shoemaker.

Children's Hospital of Philadelphia, assignee: *See*— Gibbon, Samuel Y.

Christian, Raymond A., J. R. Ganger and H. F. Lang, assignors to The National Cash Register Company, Dayton, Ohio. Record controlling means for accounting machines. 2,597,973, May 27.

Churchill, Harold E., and W. A. Hasbany, assignors to The Studebaker Corporation, South Bend, Ind. Torque converter and lockup means therefor. 2,597,921, May 27.

Ciba Limited, assignee: *See*— Moergeli, Eduard.

Ciba Pharmaceutical Products, Inc., assignee: *See*— Miescher, Karl, and Wieland.
Wettstein, Albert, and Meystre.

Cities Service Research and Development Company, assignee: *See*— Dermer, Otis C., and Nelson.
Merley, Sylvan R., and Kofoet.

Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance drive. 2,598,110, May 27.

Clarke, Troy A., Greensboro, N. C. Freight car unloading machine. 2,597,974, May 27.

Clauss, Robert W., Riverdale, N. Y. Toy disk projector. 2,598,354, May 27.

Clayton & Lambert Manufacturing Company, assignee: *See*— Edel, Walter L.

Cleveland Trencher Company, The, assignee: *See*— Askue, Albert R.

Clonts, Oran, Midwest City, Okla. Faucet. 2,598,224, May 27.

Cloud, Raymond T., assignor to North American Geophysical Co., Houston, Tex. Pendulum compensated surveying instrument. 2,598,355, May 27.

Cochrane, Clarence, Melrose, Mass. Tiltable support for use in treating textile material. 2,598,225, May 27.

Coe, Wayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Packaged dairy products and process thereof. 2,598,506, May 27.

Coe, William G., East Stroudsburg, Pa., assignor to McGraw Electric Co., Milwaukee, Wis. Remote switch control. 2,598,356, May 27.

Cohn, Solomon, Flushing, assignor to L. Shakter, New York, N. Y. Initial or insignia holder. 2,598,507, May 27.

Coleman, Joseph J., assignor to Burgess Battery Company, Freeport, Ill. Dry cell and separator therefor. 2,598,226, May 27.

Coleman, Lester L., Brooklyn, N. Y. Liquid dispensing and illuminating device for bottles. 2,598,357, May 27.

Coleman, Paul D., Dayton, Ohio, assignor to The United States of America as represented by the Secretary of War. Unbalanced to balanced line transformer. 2,598,853, May 27.

Colgate-Palmolive-Peet Company, assignee: *See*— Kirschenbauer, Hans G.

Colombo, Roberto, Turin, Italy. Manufacturing hose of synthetic thermoplastic materials. 2,597,975, May 27.

Columbian Carbon Company, assignee: *See*— Heller, George L.

Commonwealth Engineering Company of Ohio, The, assignee: *See*— Keckler, Norman F.

Compagnie Industrielle des Telephones, assignee: *See*— Gardère, Henri.

Connor, Roger, assignor to The McBee Company, Athens, Ohio. Collating writing board. 2,598,358, May 27.

Consolidated Paper Company, assignee: *See*— Hollinshead, James A.

Consolidated Vultee Aircraft Corporation, assignee: *See*— Boyle, Frank A.

Constantine, Arthur R., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Injector for powdered materials. 2,598,227, May 27.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Carton-sealing and handling machine. 2,597,922, May 27.

Continental Can Company, Inc., assignee: *See*— Hoffecker, John W.
Simpson, Justin.

Continental Specialties Company, Ltd., assignee: *See*—
Strand, Russell S.

Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Bottle-filling machine with conveyer for conveying bottles to an elevator and pusher for pushing bottles from elevator to filling position. 2,597,852, May 27.

Cooper, Douglas E., assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Hexahydrobenzylamine salt of penicillin. 2,598,508, May 27.

Corbin, George E., Detroit, Mich. Fish scaling device. 2,598,509, May 27.

Corning Glass Works, assignee: *See*—
Klehl, Harry R.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,598,359, May 27.

Courtaulds Limited, assignee: *See*—
Hanby, William E., Waley, and Watson.

Cousins, Edward, assignor to Wingfoot Corporation, Akron, Ohio. Gasket. 2,597,976, May 27.

Cousteau, Jacques Y.: *See*—
Gagnan, Emile, and Cousteau.

Cox, Robert B., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Electrolytic apparatus. 2,598,228, May 27.

Crane Co., assignee: *See*—
Hansen, George.

Crawford, Charles W.: *See*—
Noll, Paul E., Crawford, Aller, Rethey.

Creed, Kenneth E., Jr., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Making agglomerates for rubber compounding and product thereof. 2,598,229, May 27.

Cribben and Sexton Company, assignee: *See*—
Kamin, George W., and Wolske.

Crosland, Edward M., Culcheth, near Warrington, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England. Biscuitmaking and the like machinery. 2,598,510, May 27.

Cross, Arlie A.: *See*—
Cross, Sherman S., and A. A.

Cross, Sherman S., Cuyahoga Falls, and A. A. Cross, Stow, Ohio. Automatic transmission. 2,597,854, May 27.

Crossman, Fred: *See*—
Davis, Howell F., Sotham, and Crossman.

Croston, Edward L., Dash Point, assignor to American Manufacturing Company, Inc., Tacoma, Wash. Press mechanism and feed means therefor. 2,597,923, May 27.

Crowell, Arnold B., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Translating device for recording machines. 2,598,511, May 27.

Cuddon, William G. G., Blenheim, Marlborough, New Zealand. Water-heating means. 2,598,111, May 27.

Cummins, George A., Tulsa, Okla. Fish lure. 2,598,360, May 27.

Cunningham, Robert W.: *See*—
Havens, Richard A., Orr, Pitts, and Cunningham.

Curry, Alfred H.: *See*—
Bates, William F., Gregory, and Curry.

Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Drilling apparatus. 2,598,112, May 27.

Cutler-Hammer, Inc., assignee: *See*—
Jones, Jesse E., and Reeves.
Konle, Robert L., and Kuhn.

Cypher, Hugh F., Borger, Tex. Running a liner in flowing gas wells. 2,598,512, May 27.

Czarnecki, John D., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Plasticized polyamides and preparation. 2,597,855, May 27.

Czechoslovak Metal & Engineering Works, National Corporation, assignee: *See*—
Houšl, František.

Dach, Max, Flushing, N. Y. Drainage valve. 2,598,361, May 27.

Dahl, Einar S., assignor to The Massey-Harris Company, Racine, Wis. Automatic heat control for engine manifolds. 2,597,977, May 27.

Dail, Owenby J., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration. 2,598,037, May 27.

Damschroeder, Rudolph E., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic emulsions sensitized with gold compounds. 2,597,856, May 27.

Dana Corporation, assignee: *See*—
Thelander, W. Vincent.

Daniels, Lee G., Rockford, Ill. Multiport rotary plate valve. 2,598,362, May 27.

Dann, Theodore F., Milwaukee, Wis. Retractable barb device. 2,598,230, May 27.

Darmara, Fatih N., New Hartford, N. Y., assignor to United States Steel Company. Recrystallizing deep-drawing steel. 2,597,979, May 27.

Daudé, Jean: *See*—
Gobin, Jean.

Davenport, William F., Stratford, and H. A. Smith, Fairfield, Conn. Self-sealing valve for inflatable pneumatic bladders or the like. 2,597,924, May 27.

Davies, Charles H., Seattle, Wash., assignor to Boeing Airplane Company. Aircraft gun turret. 2,598,231, May 27.

Davis, Howell F., Wickliffe, E. A. Southam, and F. Crossman, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio. Trimming device for stock for loom reed dents. 2,598,513, May 27.

Davis, John L., Ann Arbor, Mich. Bonding apparatus. 2,598,363, May 27.

Davis, Walter C., Tredyffrin Township, Chester County, Pa., assignor to The Sharples Corporation. Treating whale ginewater. 2,2,598,038, May 27.

D'Avitaya, Raymond F. A. V., Marseille, France. Film gate for motion-picture projectors. 2,598,364, May 27.

Dawson, Harvey B., El Monte, Calif. Vehicle transport unit. 2,598,113, May 27.

Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Oscillation generator. 2,598,232, May 27.

Dayton Rubber Company, The, assignee: *See*—
Freedlander, Abraham L.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing adducts. 2,598,634, May 27.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing adducts. 2,598,635, May 27.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Plasticized vinyl chloride polymer. 2,598,636, May 27.

Deardorff, Clinton E., San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Sequence valve for hydraulic power. 2,598,233, May 27.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

De Fazi, Fulvio, Bronx, assignor to Webrib Steel Corporation, New York, N. Y. Apparatus for the manufacture of steel reinforcing bar for concrete structures and the like. 2,598,039, May 27.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain oxyalkylated derivatives of trinuclear aromatic compounds and making same. 2,598,234, May 27.

Denning, Thomas J., Hudson, Colo. Ditcher. 2,598,514, May 27.

Dermer, Otis C., Stillwater, Okla., and W. J. Nelson, Alpha, Ill., assignors to Cities Service Research and Development Company, New York, N. Y. 4-(1,2-dihydroxyethyl)-1,3-dioxane. 2,598,040, May 27.

Derrer, Fritz: *See*—
Paynter, Horace J., and Derrer.

Detroit Lubricator Company, assignee: *See*—
Carter, Franklyn Y.

De Vilbiss Company, The, assignee: *See*—
Peeps, Donald J.

Dick, A. B., Company, assignee: *See*—
Mullen, William G.

Dickey, Paul S.: *See*—
Bailey, Ervin G., Dickey, and Shannon.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Vapor generator operation. 2,598,235, May 27.

Dickey, Paul S., East Cleveland, and A. J. Hornfeck, Lyndhurst, Ohio, assignors to Bailey Meter Company. Control system. 2,598,236, May 27.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Linear variation of oscillator frequency. 2,598,516, May 27.

Dickson, Benjamin A., Paoli, assignor to Terminal Warehouse Company, Philadelphia, Pa. Lift truck and attachment therefor. 2,598,515, May 27.

Dictaphone Corporation, assignee: *See*—
Fox, Florian J., and Williams.

Dilworth, David L., Lorain, Ohio, assignor to United States Steel Company. Device for marking and ejecting elongated articles. 2,598,114, May 27.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient mounting. 2,598,115, May 27.

Dominguez, Rafael, assignee: *See*—
Hrabal, Eduard.

Donelson, Arthur W., Flint, Mich., assignor to Raytheon Manufacturing Company, Newton, Mass. Automatic volume control system. 2,598,237, May 27.

Doran, Robert F., Floral Park, N. Y., assignor to Sylvania Electric Products Inc. Spark plug. 2,597,978, May 27.

Dorazio, Nick, Baltimore, Md. Necktie presser. 2,598,238, May 27.

Doughty, David W.: *See*—
Martin, Joseph K., and Doughty.

Dousa, Jaroslav, Dobrany, assignor to Skoda Works, National Corporation, Plzen, Czechoslovakia. Pneumatic feed device for high-speed automatic turret lathes. 2,598,041, May 27.

Draaisma, Gijsbertus H.: *See*—
Singer, Mor J., and Draaisma.

Dritz, John, & Sons, assignee: *See*—
Dritz, Lawrence L.

Dritz, Lawrence L., Lawrence, assignor to John Dritz & Sons, New York, N. Y. Hole cutter for use with fragile bodies. 2,598,042, May 27.

Drott, Edward A., Milwaukee, Wis. Portable winch. 2,598,517, May 27.

Dryco Corporation, assignee: *See*—
Miller, James E.

Du Bois, Horace A., assignor to Paper Patents Company, Neenah, Wis. Cooling sulfur burner gas. 2,598,116, May 27.

Dufilho, Normand E., Longview, Tex. Rock bit. 2,598,518, May 27.

Dufresne, Oliver J., St. Paul, Minn. Inhaler. 2,598,365, May 27.

Dulin, Charles H.: *See*—
Weir, James, and Dulin.

Dulken, Charles F., Montclair, H. C. Sonntag, Newark, and G. Westwater, Irvington, N. J., said Westwater and said Sountag assignors to said Dulken. Conditioning yarn, thread and the like. 2,598,239, May 27.

Duncanson, Robert H.: *See*—
Wethe, Harry K., and Duncanson.

Du Pont, E. I. de Nemours & Company, assignee: *See*—
Griffith, Esther M.
Iler, Ralph K.
Marvel, Carl S.

Durbin, Vernon, Waban, assignor to National Pneumatic Co., Inc., Boston, Mass. Circuit controlling apparatus. 2,598,519, May 27.

E & J Manufacturing Co., assignee: *See*—
Fox, Le Roy G.

Eastman, Harlan J., assignor to Eastman Oil Well Survey Company, Denver, Colo. Borehole temperature recorder. 2,598,520, May 27.

Eastman Kodak Company, assignee: *See*—
Damschroder, Rudolph E.
Stauffer, Robert E., and Smith.
Yutzy, Henry C., and Leermakers.

Eastman Mfg. Company, assignee: *See*—
Niemann, Leroy K.

Eastman Oil Well Survey Company, assignee: *See*—
Eastman, Harlan J.
Jackson, Gordon.

Eberhard, Gene E., assignee: *See*—
Shippey, Albert J.

Edel, Walter L., assignor to Clayton & Lambert Manufacturing Company, Louisville, Ky. Uniform pressure absorption evaporator. 2,598,240, May 27.

Edger, Urey W., Louisville, Ky. Soap holder. 2,597,925, May 27.

Edwards, William E., assignor to Sutcliffe, Speakman & Company Limited, Leigh, England. Apparatus for cleaning or treating clothes or the like. 2,598,366, May 27.

Ehrlich, Samuel D., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Pentaerythritol tetranitrate product. 2,597,926, May 27.

Eichner, Frank L., Hollis, N. Y., assignor to Reynolds Metals Company, Richmond, Va. Preparing planographic printing plates. 2,598,043, May 27.

Ek, Folke: *See*—
Modée, Gustav V. G., Strandlund, and Ek.

Elastic Stop Nut Corporation of America, assignee: *See*—
Hallock, Robert L.

Electric & Musical Industries Limited, assignee: *See*—
Lubszynski, Hans G., McGee, Turk, and Cassman.
White, Eric L. C., and Newman.

Electrical Products Corporation, assignee: *See*—
Brown, Ralph.

Elenbaas, Willem, D. Kolkman, and R. W. van der Wolf, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, as trustee. Electric discharge device. 2,598,241, May 27.

Emerol Manufacturing Co., assignee: *See*—
Pierce, Clayton B.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Binder. 2,598,044, May 27.

Emsig Manufacturing Company, assignee: *See*—
Troll, William A.

Endres, Herbert A., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Rubber hydrochloride air filter. 2,597,927, May 27.

Engle, Andrew J., assignor of one-half to J. E. Kennedy, Chicago, Ill. Grindstone wheel dresser. 2,598,637, May 27.

English Electric Company Limited, The, assignee: *See*—
Ferguson, John M., and Brown.

Enos, John P., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Hemmed article and making the same. 2,598,638, May 27.

Eriksen, Leif H.: *See*—
Smith, Justin L., and Eriksen.

Ernest, Robert H., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Grain puffing machine. 2,598,242, May 27.

Espenschied, Wilbur L., assignor to The Superior Switchboard & Devices Company, Canton, Ohio. Detachable and adjustable support for mounting contact boxes in meter troughs. 2,598,521, May 27.

Essex, Robert L.: *See*—
Burke, William F., and Essex.

Estrada, Alberto, Los Angeles, Calif. Razor. 2,598,243, May 27.

Ethridge, Jesse P., Louisville, Ga. Saw gauge and guide. 2,598,117, May 27.

Everett, Franklin L., Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War. Fuse detonating mechanism. 2,598,157, May 27.

FKG Fritz Kesselring Geratebau Aktiengesellschaft, assignee: *See*—
Kesselring, Fritz.

Fager, Edward W.: *See*—
Miller, William T., and Fager.

Fairbanks, Morse & Co., assignee: *See*—
Holt, Gunnard T., and Stotz.

Falkenberg, Douglass R., Lakewood, Ohio. Supporting and adjusting draperies. 2,598,522, May 27.

Famous Bathrobe Co., Inc., assignee: *See*—
Strauss, Kate R.

Fässer, Rolf, assignor to Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland. Surtax registering and totalizing counter for telephony systems. 2,598,244, May 27.

Federal Telephone and Radio Corporation, assignee: *See*—
Horwitz, Henry L.
Ostlund, Evert M.

Federwitz, Theodore A., assignor, by mesne assignments, to Scriptomatic, Inc., Philadelphia, Pa. Data writing machine. 2,598,523, May 27.

Fehr, Paul, assignor to Landis & Gyr, A. G., Zug, Switzerland. Adjustable cam for time clocks. 2,597,928, May 27.

Ferguson, John M., and C. Brown, Stafford, assignors to The English Electric Company Limited, London, England. Electric circuit comprising electric discharge device. 2,597,980, May 27.

Ferris, Seymour W.: *See*—
Hill, Joseph B., and Ferris.

Fields, Joseph E., Dayton, and G. L. Wesp, Englewood, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Low molecular weight, nitrogenous acrylate polymers. 2,598,639, May 27.

Fihe, John L., Akron, Ohio, and J. W. Huff, Mercerville, N. J., assignors to The B. F. Goodrich Company, New York, N. Y. Apparatus for making V belts. 2,598,158, May 27.

Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Producing β-(alkyl mercapto) ethyl chloride. 2,598,640, May 27.

Firman, Reginald A., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Locking mechanism. 2,598,245, May 27.

Firminhac, Ralph H.: *See*—
Borkowski, Casimer J., and Firminhac.

Fiser, Harlan N., Pittsburgh, Pa. Rotary hydraulic coupling. 2,598,367, May 27.

Fishburn, Everett D., Argos, Ind. Lawn mower attachment. 2,597,981, May 27.

Fitzgerald, James F., Detroit, Mich. Fish lure. 2,597,982, May 27.

Fiahive, Thomas J., assignor of thirty per cent to J. Karwacki, Chicago, Ill. Self-adjusting bookholder. 2,598,368, May 27.

Ford Motor Company, assignee: *See*—
Haynes, Alex L.
Oster, Thomas H.
Pleasance, Edwin.
Swift, John F.
Zoerlein, Emil, Vincent, and Luce.

Fouse, Frederick Z., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Method and apparatus for manufacturing glassware. 2,598,524, May 27.

Fowler, Alexander P.: *See*—
Williams, Gethin, and Fowler.

Fowler, Alexander P., assignor to Carrier Engineering Company Limited, London, England. Apparatus for painting motorcar bodies. 2,598,246, May 27.

Fox, Florian J., Stratford, and H. A. Williams, Bridgeport, Conn., assignors to Dictaphone Corporation, Bridgeport, N. Y. Dictating machine transcribing apparatus with extension arm. 2,598,045, May 27.

Fox, Gordon, Chicago, Ill., assignor, by mesne assignments, to Koppers Company, Inc. Skip hoist motor control. 2,597,859, May 27.

Fox, Le Roy G., assignor to E & J Manufacturing Co., Glendale, Calif. Automatic positive pressure breathing machine. 2,598,525, May 27.

Fraim, E. T., Lock Company, assignee: *See*—
Fraim, Samuel R.

Fraim, Samuel R., assignor to E. T. Fraim Lock Company, Lancaster, Pa. Door latch. 2,598,526, May 27.

Fral Manufacturing Co., assignee: *See*—
Perlman, Alfred H.

Francesco, John P., Haverhill, Mass., now by judicial change of name J. P. Francis. Plug fastener. 2,597,857, May 27.

Francis, John P.: *See*—
Francesco, John P.

Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding machine. 2,597,983, May 27.

Freedlander, Abraham L., Dayton, Ohio, assignor to The Dayton Rubber Company. Covering for textile machinery rollers. 2,597,858, May 27.

Freeman, David A., Corporation, assignee: *See*—
Schultz, Roy M.

Freeman, Martin J., Washington, D. C. Watch roller jewel setter. 2,598,527, May 27.

French, Louis O., Milwaukee, Wis. Fuel injection apparatus. 2,598,528, May 27.

Frey, Vernon M., East Moline, Ill. Collapsible golf bag cart. 2,598,046, May 27.

Frihart, Henry N., Brookfield, and E. B. Hassler, assignors to Motorola, Inc., Chicago, Ill. Television tuning apparatus with channel selecting switch. 2,598,247, May 27.

Fritz, Karl J., Johnstown, Pa. Universally adjustable support for X-ray cassettes. 2,598,529, May 27.

Fuchs, Eli, Highland Park, N. J. Automatic cylindrical printing apparatus. 2,598,047, May 27.

Furnas Electric Company, assignee: *See*—
Hansen, Gilbert H.

Gagnan, Emile, and J. Y. Cousteau, said Gagnan assignor to L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France. Compressed gas container with reducing valve and auxiliary opening means therefor. 2,598,248, May 27.

Gair, Robert, Company, Inc., assignee: *See*—
Weiss, Arthur J.

Gakenheimer, Walter C., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Enteric coated pyranisamine. 2,598,530, May 27.

Galmiche, Michel, Paris, France, assignor to Societe Jaruza A. G. Chur, Zurich, Switzerland. Centrifugal apparatus for segregating constituents of different specific gravities. 2,598,118, May 27.

Ganger, Jesse R.: *See*—
Christian, Raymond A., Ganger and Lang.

Gardère, Henri, assignor to Compagnie Industrielle des Telephones, Paris, France. Signaling arrangement for two-wire telephone lines. 2,598,159, May 27.

Garland, Mather, Mound, Minn. Rotary snow plow. 2,598,249, May 27.

Garrett, Jack, Greensboro, N. C. Adjustable mirror support. 2,598,531, May 27.

Gaylord Products, Incorporated, assignee: *See*—
Snyder, Burton K.

Gehman, John B., Haddonfield, N. J., assignor to Radio Corporation of America. Computing device. 2,598,250, May 27.

General Aniline & Film Corporation, assignee: *See*—
Slifkin, Sam C.

General Binding Corporation, assignee: *See*—
Emmer, Charles E.

General Electric Company, assignee: *See*—
Anderson, Robert G.
Bedford, Burnice D.
Gruen, Wolf J.
Hays, Clifton E.
Hoffman, Herbert N.
Hogue, Alfred L., and Hamilton.
Levine, Samuel J.
Lord, Harold W.
Lucas, Glennard R.
Marks, Charles E.
Martin, Robert W.
Mittag, Albert H.
Mohler, Donald, and Sellers.
Price, John C.
Reek, Donald C.
Schneider, Harold N.
Stevens, Leland J.
Sway, Henry C.
Syrovy, Gerald H., and Seaman.
Thomas, Charles A.
Wightman Lawrance W.
Worcester, Joseph A., Jr.
Young, James F.

General Motors Corporation, assignee: *See*—
Clark, Kendall.
Onksen, George W., Jr.
Penn, Melvin P.
Plexico, Robert S.
Tuttle, Charles D., Larsen and Lamm.

General Tire and Rubber Company, The, assignee: *See*—
Dodge, Howard M.

Gerber, George L., Naperville, Ill., and H. E. Lee, Beverly Hills, Calif., assignors to Kroehler Mfg. Co., Naperville, Ill. Steel and wood furniture frame construction. 2,597,860, May 27.

Gerhold, Clarence G.: *See*—
Brown, Kenneth M., and Gerhold.

Gerlach, Carl H., Solon, Ohio. Supporting and projecting mechanism. 2,597,861, May 27.

Gesner, Edwin E., New Haven, Conn. Tool supporting carriage. 2,598,251, May 27.

Gibbon, Samuel Y., Jenkintown, assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa. Infant incubator equipment. 2,598,532, May 27.

Gilbert & Barker Manufacturing Company, assignee: *See*—
O'Donnell, Terrence C.

Gilbert, Hilda, Cleveland, Ohio. Belt hanger. 2,598,614, May 27.

Gilmore, Lloyd J., Spokane, Wash., assignor to Woolery Machine Company, Minneapolis, Minn. Tie cutter. 2,598,048, May 27.

Glascote Products, Inc., assignee: *See*—
Brown, Carl S.

Gleason Works, assignee: *See*—
Wildhaber, Ernest.

Gleim, William K. T., Orland Park, assignor to Universal Oil Products Company, Chicago, Ill. Production of aryloxyalkyl halides. 2,598,049, May 27.

Gobin, Jean, dit Daudé, Neuilly-sur-Seine, France. Fixing hollow rivets and the like. 2,597,984, May 27.

Goff, John W., St. Paul, Minn. Chuck wrench ejector. 2,598,119, May 27.

Gold, Abraham: *See*—
Bogin, Herman, and A. and H. Gold.

Gold Bros., Inc., assignee: *See*—
Bogin, Herman, Gold and H.

Gold, David A., assignee: *See*—
Kadesky, David.

Gold, Herman: *See*—
Bogin, Herman, and A. and H. Gold.

Goodrich, B. F., Company, The, assignee: *See*—
Ambler, Robert R.
Carroll, Richard T.
Fike, John L., and Huff.

Gordon, Alexander M., Providence, and W. E. Straubel, Johnston, assignors to M. L. Grant, Providence, R. I. Closure guard for coin boxes. 2,598,533, May 27.

Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Radio-frequency switching arrangement. 2,598,534, May 27.

Gorsky, Reuben L., Racine, and D. R. Illing, Milwaukee, Wis. Impression device for making dentures. 2,597,929, May 27.

Gossick, Ben R., Oak Ridge, Tenn., assignor to Radio Corporation of America. Balance control for metal detection and inspection equipment. 2,598,252, May 27.

Grandi, Giuseppe, Milano, Italy. Belt buckle. 2,598,369, May 27.

Grant, Max L., assignee: *See*—
Gordon, Alexander M., and Straubel.

Green, Charles M., assignor to Mosinee Paper Mills Company, Mosinee, Wis. Sampling device. 2,598,535, May 27.

Greenberg, Otto W., Ocean City, N. J. Tool driving means and control therefor. 2,598,253, May 27.

Green's Eye Hospital, assignee: *See*—
Kadesky, David.

Gregory, James N.: *See*—
Bates, William F., Gregory, and Curry.

Greig, John H., Washington, D. C. Electronic lobing. 2,597,862, May 27.

Greubel, Paul W., Great Neck, assignor to American Can Company, New York, N. Y. Finishing varnish for application over lithographic ink. 2,597,863, May 27.

Greubel, Paul W., Great Neck, assignor to American Can Company, New York, N. Y. Finishing varnish for application over lithographic ink. 2,597,864, May 27.

Greubel, Paul W., Great Neck, assignor to American Can Company, New York, N. Y. Finishing varnish for application over lithographic ink. 2,597,865, May 27.

Gridley, Darrin H., Washington, D. C. Data conversion system. 2,597,866, May 27.

Griffith, Esther M., Bloomington, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vat dyeing of acrylonitrile polymers using potassium ions. 2,598,120, May 27.

Grossu, Mircea, Youngstown, Ohio. Advertising machine. 2,597,985, May 27.

Grosvenor, Oliver, Morrison, assignor to Libby, McNeill & Libby, Chicago, Ill. Conveyer apparatus. 2,597,930, May 27.

Gruen, Wolf J., Syracuse, N. Y., assignor to General Electric Company. Balanced phase detector. 2,598,370, May 27.

Gruenais, Adolphe, Paris, France. Large capacity tank having corrugated ends. 2,598,160, May 27.

Grueneberg, Walter A., assignor to Jackson & Church Company, Saginaw, Mich. Machine for the manufacture of molded building units. 2,598,254, May 27.

Gruver, John H., East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Roller platen printing machine. 2,598,161, May 27.

Guarantee Specialty Manufacturing Company, assignee: *See*—
Wright, Richard H., and Zay.

Guiot, Maurice, Paris, France. Moistureproof distributor head. 2,598,162, May 27.

Gulf Research & Development Company, assignee: *See*—
Muffly, Gary.

Gusdorf, Frederik H., Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee. Coated ferromagnetic core element. 2,598,371, May 27.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Tissue dispensing carton. 2,598,050, May 27.

Guyer, Reynolds, and R. J. Hennessey, assignors to Waldorf Paper Products Company, St. Paul, Minn. Carrier package. 2,598,051, May 27.

H. M. H. Co., The, assignee: *See*—
Randall, Horace.

H-P-M Development Corporation, assignee: *See*—
Richardson, Lloyd D., Sr.

Hach, Hazel D.: *See*—
O'Hearn, George E., Jr., and Hach.

Hagenberg, Theodorus: *See*—
Mulder, Johannes G. W., and Hagenberg.

Hale, William F.: *See*—
Olson, Henry L., Hale, and Miller.

Hallman, Nils J.: *See*—
Berg, Gösta V., and Hallman.

Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J. Self-locking nut. 2,598,052, May 27.

Halls, James H. C., assignor to Carrier Engineering Company, Limited, London, England. Method and apparatus for coating vehicle bodies. 2,598,163, May 27.

Halstead, Richard L., assignor to R. P. Scherer Corporation, Detroit, Mich. Making containers. 2,597,986, May 27.

Hamill, William W., Little Aston, England. Differential inertia speed responsive device. 2,598,164, May 27.

Hamilton, George E.: *See*—
Hogue, Alfred L., and Hamilton.

Hanby, William E., S. G. Waley, and J. Watson, Maidenhead, assignors to Courtaulds Limited, London, England. Production of polymeric compounds from anhydrocarboxy-alpha-amino-carboxylic acids in nitrobenzene. 2,598,372, May 27.

Hance, Isaac I., assignor, by mesne assignments, to Champion Laboratories, Inc., Meriden, Conn. Washer with rotary liquid agitator. 2,597,931, May 27.

Hannibal, Lester S., Concord, assignor to Shell Development Company, San Francisco, Calif. Soil injector. 2,598,121, May 27.

Hansen, Betsy R., executrix: *See*—
Hansen, William W.

Hansen, George, assignor to Crane Co., Chicago, Ill. Check valve. 2,598,122, May 27.

Hansen, Gilbert H., assignor to Furnas Electric Company, Batavia, Ill. Fluid pressure actuated switch. 2,598,536, May 27.

Hansen, William W., deceased, Stanford University, Calif., by B. R. Hansen, executrix, Stanford University, Calif., assignor to The Sperry Corporation. High-frequency attenuating device. 2,597,867, May 27.

Hanson, Estyle D., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for continuously coiling elongated filaments. 2,598,537, May 27.

Harding, James, Bound Brook, N. J., assignor to Union Carbide and Carbon Corporation. Heat and light stabilized vinyl resins and compositions thereof. 2,597,987, May 27.

Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Production of thiocarbamyl thiazyl monosulfides. 2,597,988, May 27.

Harper-Wyman Company, assignee: *See*—
Koch, Henry J., and Lamar.

Harris, Forist, Merced, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Sanding machine. 2,598,053, May 27.

Harry, George H., Buffalo, N. Y. Commodity package. 2,598,373, May 27.

Hartford National Bank & Trust Co., trustee, assignee: *See*—
Gusdorf, Frederik H.
Elenbaas, Willem, Kolkman, and van der Wolf.
Mulder, Johannes G. W., and Hagenberg.
Van Yzeren, Ewoud A.

Harvey, Jesse C., assignor to Westcott Chuck Company, Onelda, N. Y. Universal chuck. 2,598,165, May 27.

Harvey, Merlin P.: *See*—
Ladd, Elbert C., and Harvey.

Hasbany, Woodrow A.: *See*—
Churchill, Harold E., and Hasbany.

Hassler, Edwin B.: *See*—
Frihart, Henry N., and Hassler.

Hauck Manufacturing Co., assignee: *See*—
Parker, Melvin J., and Turpin.

Haughton Elevator Company, assignee: *See*—
Borden, Joseph H.

Havens, Byron L., New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Mechanical attachment for azimuth offset bombing. 2,597,989, May 29.

Havens, Richard A., B. E. Orr, P. R. Pitts, Jr., and R. W. Cunningham, Indianapolis, Ind., said Orr, said Pitts, Jr., and said Cunningham assignors to said Havens. Treating tomator juice. 2,598,374, May 27.

Hayes, Robert A.: *See*—
Peterson, Albert C., Hayes, and Lukins.

Haynes, Alex L., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Variable capacity rotary fluid motor. 2,598,538, May 27.

Hays, Clifton E., Providence, R. I., assignor, by mesne assignments, to General Electric Company. Candle-simulating fluorescent lighting fixture. 2,598,054, May 27.

Hayward, Arthur S.: *See*—
Scott, Richard H., and Hayward.

Hayward-Tyler & Co. Limited, assignee: *See*—
Ivanoff, Alexander.

Head, Lloyd W., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Thermostatic control of seal leg valves. 2,598,641, May 27.

Heim, Jacob G., San Gabriel, Calif. Combination collar and cravat. 2,598,539, May 27.

Heinz, Bernard, Scranton, Pa. Luminous attachment for the cover plate of vehicle locks. 2,598,375, May 27.

Heinz, Bernard, Scranton, Pa. Luminous attachment for door locks. 2,598,376, May 27.

Heller, George L., Monroe, La., assignor to Columbian Carbon Company. Carbon black manufacture. 2,597,991, May 27.

Heller, George L., Monroe, La., assignor to Columbian Carbon Company. Apparatus for production of carbon black. 2,597,992, May 27.

Hellman, Jacob J., Atlanta, Ga. Automobile cigarette case. 2,597,990, May 27.

Hemphill Company, assignee: *See*—
Smith, Norman H.

Henkel, Harvey L., assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Disappearing door safe. 2,598,255, May 27.

Hennessey, Russell J.: *See*—
Guyer, Reynolds, and Hennessey.

Henry, Ferdinand G., Jersey City, N. J. Reeling and feeding device. 2,598,540, May 27.

Herman Pneumatic Machine Company, assignee: *See*—
Johnston, Loyal L.

Herrera, Juan H., Habana, Cuba. Pressure feeder device for infusion strainers. 2,598,377, May 27.

Herring-Hall-Marvin Safe Company, assignee: *See*—
Henkel, Harvey L.

Herrington, Arthur W., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Rear axle arrangement for delivery trucks. 2,598,166, May 27.

Hetland, Julius M., Fargo, N. Dak., assignor to the United States of America as represented by the Secretary of the Navy. Tunable plug-in assembly for high-frequency oscillators. 2,597,993, May 27.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Recoilless gun. 2,598,256, May 27.

Hickok Manufacturing Company, Inc., assignee: *See*—
Meeker, William H.

Hill, Edward D., Cleveland, Ohio. Roller of animal glue. 2,598,167, May 27.

Hill, Joseph B., Wynnewood, Pa., and S. W. Ferris, Mount Holly, N. J., assignors to Sun Oil Company, Philadelphia, Pa. Wax product and preparing the same. 2,598,257, May 27.

Hill, Robert J., Worcester Park, England. Apparatus for recording movement. 2,598,541, May 27.

Hirt, Rudolf, Muri, near Berne, assignor to Dr. A. Wander A.-G., Berne, Switzerland. Manufacture of basic esters of α,α-diaryl-α-alkoxy-acetic acids. 2,598,542, May 27.

Hoag, Roderick W., Melrose, Mass. Machine for making fluted containers. 2,597,994, May 27.

Hobart-Federal Engineering Corporation, assignee: *See*—
Jackson, Aldrich L.

Hodges, Denson H., Chicago, Ill. Fishing bobber. 2,598,378, May 27.

Hoe, R., & Co., Inc., assignee: *See*—
Huck, William F., and Stobb.

Hoffecker, John W., Wilmington, Del., assignor to Continental Can Company, Inc., New York, N. Y. Crown cap feeding means. 2,598,380, May 27.

Hoffman, Harry and L., Philadelphia, Pa. Guard for toilet bowls. 2,598,543, May 27.

Hoffman, Herbert N., Wakefield, Mass., assignor to General Electric Company. Vented shaft seal. 2,598,381, May 27.

Hoffman, Howard T., Elmhurst, Ill., assignor to Bailey Meter Company. Energy translating device. 2,598,258, May 27.

Hoffman, Louis: *See*—
Hoffman, Harry and L.

Högfors, Hans F. B., Enskede, Sweden. Drill grinding machine. 2,598,055, May 27.

Hogue, Alfred L., Pittsfield, and G. E. Hamilton, Dalton, Mass., assignors to General Electric Company. Apparatus for affixing condenser tap straps to mounting strip material. 2,597,868, May 27.

Hogue, Ephraim W., Rochester, N. Y. Signal amplifying system. 2,598,259, May 27.

Holden, John O., Pueblo, Colo. Grass catcher for lawn mowers. 2,598,382, May 27.

Hollins, Jesse R., Brooklyn, N. Y. Vehicle light indicator. 2,598,056, May 27.

Hollins, Jesse R., Brooklyn, N. Y. Switch for directional and clearance lamps. 2,598,657, May 27.

Hollinshead, James A., assignor to Consolidated Paper Company, Monroe, Mich. Container. 2,598,123, May 27.

Holman, Harry R., and R. C. Barnes, Riverside, Calif. Device for outdoor heating. 2,598,544, May 27.

Holmes, Otis M.: *See*—
Butler, Ernest L., and Holmes.

Holt, Gunnard T., and J. K. Stotz, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Power plant regulation. 2,598,124, May 27.

Holzhauser, Werner L., Ukiah, Calif. Remote-control steering attachment for outboard motors. 2,598,383, May 27.

Honn, Ray G., assignee: *See*—
Shippey, Albert J.

Hooe, Hunter E., assignor to The McBee Company, Athens, Ohio. Spread sheet. 2,598,379, May 27.

Hooker Electrochemical Company, assignee: *See*—
Maude, Aylmer H., and Rosenberg.

Hoos, Benjamin, Los Angeles, and S. T. Mello, Bell Gardens, Calif.; said Mello assignor to said Hooz. Additional wheel attachment for two-wheel hand trucks. 2,598,168, May 27.

Horn, Ovid T., Alamosa, Colo. Weighing and sacking machine. 2,598,260, May 27.

Hornfeck, Anthony J.: *See*—
Dickey, Paul S., and Hornfeck.

Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Laundry machine. 2,598,057, May 27.

Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Impulse repeater for metered automatic telephone service. 2 597,869, May 27.

Houdry Process Corporation, assignee: *See*—
Milliken, Thomas H., Jr., and Welinsky.

House, Bryan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake shoe. 2,598,545, May 27.

Houšť, František, Brunn, assignor of one-half to Czechoslovak Metal & Engineering Works, National Corporation, Prague, Czechoslovakia. Electric switch. 2,598,546, May 27.

Hrabal, Eduard, assignor of thirty-five per cent to R. Dominguez, Washington, D. C. Wheelbarrow with shiftable load supporting handles. 2,598,261, May 27.

Hubbell, Leslie W., Cheshire, assignor to The Ball & Socket Manufacturing Co., West Cheshire, Conn. Toy bell. 2,598,169, May 27.

Huber, Elmer J., Joliet, assignor to F. W. McGuire and J. Ruben, Chicago, Ill., as trustees. Tip-up seat construction. 2,598,384, May 27.

Huck, William F., Forest Hills, N. Y., and A. Stobb, Union Township, Hunterdon County, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Rotary printing machine with reversible printing unit. 2,597,932, May 27.

Huebotter, Earl E., assignor to National Lead Company, Tulsa, Okla. Sealing steel storage vessels. 2,598,170, May 27.

Huff, James W.: *See*—
Fihe, John L., and Huff.

Hull, Philip C., assignor to The Parker Pen Company, Janesville, Wis. Nib for writing pens. 2,598,171, May 27.

Hullegård, Erik W.: *See*—
Käell, Knut, and Hullegård.

Hume, Clifford J., Toronto, Ontario, Canada. Baby chair convertible into satchel. 2,598,385, May 27.

Humphlett, Wilma D., Agawam, assignor to Malone Knitting Company, Springfield, Mass. Side seamed shoulder supported garment with side reinforcements and making same. 2,598,172, May 27.

Humphner, Ferdinand W., River Forest, Ill. Calendered crinkled paper and manufacture. 2,598,173, May 27.

Humphreys, Harry S., assignor to Armstrong Cork Company, Lancaster, Pa. Block printing surface coverings. 2,598,386, May 27.

Hungate, William, assignor, by mesne assignments, to Leverton and Company, Houston, Tex. Fruit stuffing machine. 2,597,933, May 27.

Hunsicker, Clyde L., San Francisco, Calif. Momentum controlled brake for fishing reels. 2,598,387, May 27.

Hunter, William K., Lyons, assignor to Universal Oil Products Company, Chicago, Ill. Continuous conversion and coking of heavy liquid hydrocarbons. 2,598,058, May 27.

Hurley, Forrest R., Jamestown, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Aromatizing hydrocarbons with metal fluoride catalyst in presence of oxygen and hydrogen fluoride. 2,598,642, May 27.

Hurter, Alfred T., assignor to Stadler, Hurter & Company, Montreal, Quebec, Canada. Storage bin with pressure-relieving baffles. 2,598,388, May 27.

Hutchinson, William M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Resins from carboxyalkyl ethers of polyhydric alcohols. 2,598,174, May 27.

Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Wax emulsion polishing composition containing silica. 2,597,871, May 27.

Iler, Ralph K., Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous dispersions of water-insoluble organic polymers containing colloidal silica. 2,597,872, May 27.

Illing, Dolph R.: *See*—
Gorsky, Reuben L., and Illing.

Imperial Chemical Industries Limited, assignee: *See*—
Carter, Ronald J., and Bristow.

Industrial Washing Machine Corporation, assignee: *See*—
Sadwith, Howard M.

Interchemical Corporation, assignee: *See*—
Le Clair, Willis E.

International Business Machines Corporation, assignee: *See*—
Bergfors, Carl A.

International Business Machines Corporation, assignee: *See*—
Crowell, Arnold B.
Dickinson, Arthur H.
Parker, Linus J.
Wood, Marion L.

International Minerals & Chemical Corporation, assignee: *See*—
Blish, Morris J.

International Standard Electric Corporation, assignee: *See*—
Reinhard, Wolfgang.

Iron Fireman Manufacturing Company, assignee: *See*—
Judson, Albert L.

Isaacson, Edsel C., St. Paul, Minn. Receipt holder. 2,598,125, May 27.

Iselin, Ernst and W. Wehrli, assignors to Sandoz Limited, Basel, Switzerland. Azo dyestuffs and making same. 2,598,126, May 27.

Ivanoff, Alexander, assignor to Hayward-Tyler & Co. Limited, Luton, Bedford, England. Pumping of fluids under high pressures. 2,598,547, May 27.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Bousky, Samuel.

Jackson, Aldrich L., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Meat processing machine. 2,598,548, May 27.

Jackson, Aldrich L., Eustis, Fla., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Casing support for meat processing. 2,598,549, May 27.

Jackson, Aldrich L., Eustis, Fla., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn. Meat tenderizing machine with stripper. 2,598,550, May 27.

Jackson & Church Company, assignee: *See*—
Grueneberg, Walter A.

Jackson, Gordon, assignor to Eastman Oil Well Survey Company, Denver, Colo. Temperature indicating unit. 2,598,551, May 27.

Jandacek, George W. *See*—
Cahill, John T., and Jandacek.

Jansen, Willem J. B., Haarlem, Netherlands. Measuring apparatus having inverted pendulum indicator. 2,598,552, May 27.

Janson, Josef, Grundstadt/Pfalz, assignor to Pfälzische Chamotte- und Tonwerke (Schiffer und Kircher) A. G., Eisenberg/Pfalz, Germany. Construction of air and gas heater. 2,598,262, May 27.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.

Jenkins, Meri C., assignor to Lodwick Aircraft Industries, Inc., Lakeland, Fla. Combination sofa and bed. 2,597,995, May 27.

Jennings, Theron F., Smithshire, Ill. Wire fence tool. 2,598,553, May 27.

Jensen, Garold K., United States Navy, C. M. Russell, Washington, D. C., and V. N. Smith, Oakland, Calif. Noise elimination system for pulse signal receivers. 2,597,870, May 27.

Jeřmář, František, Prague, Czechoslovakia. Hydrostatic weir, gate, and the like. 2,598,389 ,May 27.

Jinks, Charles A., assignor of one-half to H. M. Muir, San Diego, Calif. Ash tray. 2,598,175, May 27.

Johnson Fare Box Company, assignee: *See*—
Nahm, Eugene A.

Johnson, George L., Chicago, Ill. Smoker's mouthpiece. 2,598,059, May 27.

Johnson, Herbert L., Media, Pa., and F. J. Bondhus, Oskaloosa, Iowa, assignors to Sun Oil Company, Philadelphia, Pa. Esterified 4-vinylcyclohexene. 2,598,263, May 27.

Johnson, Joseph H., Vermillion, Kans. Remote control for tractors. 2,598,390, May 27.

Johnson, Ralph A., Port Allegany, Pa., assignor to Pittsburgh Corning Corporation. Nonsolvent adhesive. 2,597,996, May 27.

Johnson, Theodore W., Jr., Annapolis, Md. Orange juice extractor. 2,597,997, May 27.

Johnston, Loyal L., Zellenople, assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa. Making a hollow mold of compacted mold forming material. 2,598,554, May 27.

Johnstone, Alexander P., Frimley, assingor to Power Jets (Research and Development) Limited, London, England. Sealing device. 2,598,176, May 27.

Jones, Albert S., Webster, and G. B. Stackpole, Oxford, Mass., assignors, by mesne assignments, to Joseph Bancroft & Sons Company, Rockford, Wilmington, Del. Applying a discontinuous coating of fabric. 2,598,264, May 27.

Jones, Arthur K., Rumford, R. I. Goggle. 2,598,265, May 27.

Jones, Jesse E., Wauwatosa, and J. B. Reeves, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Variable output transformer. 2,598,555, May 27.

Jones, Norman B., assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio. Spraying process. 2,598,391, May 27.

Jonette, Charles: *See*—
Krizman, Frank, and Jonette.

Joscelyne, Eric H.: *See*—
Scott, Roland, and Joscelyne.

Joy Manufacturing Company, assignee: *See*—
Curtis, John C.

Judson, Albert L., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Electric switch. 2,598,556, May 27.

Juy, Lucien C. H., Dijon, France. Variable-speed gear. 2,598,557, May 27.

Kadesky, David, assignor to V. V. Suglian, D. Kadesky, E. V. Blak, and D. A. Gold, copartners doing business under the name of Green's Eye Hospital, San Francisco, Calif. Surgical trephine. 2,598,060, May 27.

Käell, Knut, and E. W. Hullegård, assignors to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Gaseous tube selecting switch for use in automatic telephony. 2,598,392, May 27.

Kahn, Samuel: *See*—
Samuel, Abe O., and Kahn.

Kaiser, Henry J., Company, assignee: *See*—
Riddell, Wallace C., and Kirk.

Källe, Karl T., Saffle, Sweden. Pump and motor pneumohydraulic transmission system. 2,598,177, May 27.

Källe, Karl T., Saffle, Sweden. Temperature responsive measuring and indicating apparatus. 2,598,178, May 27.

Kalling, Bo M. S., Domnarvet, and O. L. Lindskog, Borlange, Sweden. Method in carrying out treatment of melted pig iron or other alloyed iron. 2,598,393, May 27.

Kamin, George W., Lombard, and L. E. Wolske, assignors to Cribben and Sexton Company, Chicago, Ill. Range and range top extension. 2,598,266, May 27.

Kammandel, Heinz J., Woodside, N. Y. Airplane propeller. 2,597,998, May 27.

Kanty, Charles L., Rochester, N. Y. Locking device for box covers. 2,598,558, May 27.

Kaplan, Samuel, New York, and L. Stark, Brooklyn, assignors to Kastar Incorporated, Bronx, N. Y. Portable clothes hanger holder and carrier. 2,598,643, May 27.

Karwacki, Joseph, assignee: *See*—
Fiahlve, Thomas J.

Kastar Incorporated, assignee: *See*—
Kaplan, Samuel, and Stark.

Kaumagraph Company, assignee: *See*—
Miller, Thomas H.

Kayan, Carl F., New York, N. Y. Predetermining temperature conditions within wall structures. 2,598,267, May 27.

Keane, Charles C.: *See*—
Long, Frank V., Lee, Levi, and Keane.

Keckler, Norman F., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Preparing sponge rubber and products produced thereby. 2,598,127, May 27.

Kedzie, Adam S.: *See*—
Schulz, Herman R. and C. G., and Kedzie.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,598,179, May 27.

Kellogg, M. W., Company, The, assignee: *See*—
Burton, William P.
McGrath, Henry G.

Kendall, Edward C., Rochester, Minn., assignor to Research Corporation, New York, N. Y. Intermediate compounds in the synthesis of dehydrocorticosterone. 2,598,559, May 27.

Kendrick, George L., Shreveport, La. Duck caller. 2,598,268, May 27.

Kennametal Inc., assignee: *See*—
McKenna, Philip M., and Kennicott.

Kennedy, James E., assignee: *See*—
Engle, Andrew J.

Kennicott, Wilbur L.: *See*—
McKenna, Philip M., and Kennicott.

Kennison, Hugh F., Verona, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for molding concrete pipes. 2,597,934, May 27.

Kenyon, Bertrand F., assignor to Mechano Gear Shift Company, Grand Rapids, Mich. Window balance. 2,598,560, May 27.

Kenyon, Theodore W., Huntington, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Hydraulic servomotor system. 2,598,180, May 27.

Kesselring, Fritz, Zollikon/Zurich, Switzerland, assignor to FKG Fritz Kesselring Geratebau Aktiengesellschaft. Electromagnetic switching device for controlling electric circuits. 2,597,873, May 27.

Kiehl, Harry R., assignor to Corning Glass Works, Corning, N. Y. Cover glass assembly. 2,597,935, May 27.

Kilgore, Louis D., Detroit, and C. R. Stout, Berkley, Mich., said Stout assignor to said Kilgore. Order recording device. 2,598,394, May 27.

Kirchner, George J., Lorain, Ohio, and H. Ottinger, McKeesport, Pa., assignors to United States Steel Company. Flexible connection. 2,598,181, May 27.

Kirk, George B.: *See*—
Riddell, Wallace C., and Kirk.

Kirschenbauer, Hans G., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Recovery of sterols. 2,598,269, May 27.

Klaar, Albert, assignor to Anker-Werke, A. G., Bielefeld, Germany. Indicating device on cash registers. 2,598,270, May 27.

Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. Production of chlordane. 2,598,561, May 27.

Kleiman, Morton, assignor to Velsicol Corporation, Chicago, Ill. N-mercuri-1,2,3,6-tetrahydro-3,6-endomethano-3,4,5,6,7,7-hexachlorophthalimide. 2,598,562, May 27.

Klosterman, Francis E., Louisville, Ky. Servomotor with lubricated rotatable piston rod. 2,598,271, May 27.

Knopp, Wallace A., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Strand bundle drier and conditioner. 2,597,999, May 27.

Knopp, Wallace A., Parkersburg, and T. L. Nash, South Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Multiple stage tow drying. 2,598,000, May 27.

Knorr, Herman, Jr., Shiocton, assignor of one-half to H. J. Brandt, Black Creek, Wis. Transplanter. 2,597,936, May 27.

Knowlton Brothers, assignee: *See*—
Knowlton, David C.

Knowlton, David C., assignor to Knowlton Brothers, Watertown, N. Y. Filter sheet. 2,598,061, May 27.

Koch, Henry J., and C. C. Lamar, assignors to Harper-Wyman Company, Chicago, Ill. Locking stem adjustment valve. 2,597,874, May 27.

Kofoet, August: *See*—
Merley, Sylvan R., and Kofoet.

Kohorn, Oscar, & Co., Ltd., assignee: *See*—
Morse, Reginald A.

Kolb, Paul, Whitley Bay, assignor to Power Jets (Research and Development) Limited, London, England. Heat exchanger bearing arrangement. 2,598,182, May 27.

Kolkman, Dirk: *See*—
Elenbaas, Willem, Kolkman, and van der Wolf.

Konle, Robert L., New Berlin Township, Waukesha County, and C. W. Kuhn, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,598,563, May 27.

Koppers Company, Inc., assignee: *See*—
Fox, Gordon.

Kosmer, Frank: *See*—
Petermann, Otto, and Kosmer.

Křecan, Jaroslav, Prague, assignor of one-half to Meopta, Consolidated Factories for Fine Mechanical and Optical Instruments, National Corporation, Prerov, Czechoslovakia. Safety device in electrically controlled valves, fittings or the like. 2,598,062, May 27.

Krimsky, Emanuel, Brooklyn, N. Y. Lens or glare shield attachment for spectacles. 2,598,272, May 27.

Krizman, Frank, and C. Jonette, Dawson, Yukon Territory, Canada. Pump barrel cleaning apparatus. 2,597,937, May 27.

Kroehler Mfg. Co., assignee: *See*—
Gerber, George L., and Lee.

Kromer, Arthur P., Greensbroro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic fire extinguisher. 2,598,273, May 27.

Krueger, Rudolph E., III, Downey, Calif. Flow regulator, pressure relief valve and the like. 2,598,274, May 27.

Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Troffer for fluorescent lighting fixtures readily attached to the framework of a ceiling. 2,597,875, May 27.

Kucera, Peter, Allison Park, Pa. Press drive for vitreous materials. 2,598,564, May 27.

Kuhn, Clarence W.: *See*—
Konle, Robert L., and Kuhn.

Kunz, Georges, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,598,001, May 27.

Kurkjian, Yervant H., Clifton, N. J. Magnetic nail-holding hammer. 2,597,876, May 27.

La Barre, Arthur, Akron, Ohio. Handle attachment for brushes. 2,598,063, May 27.

Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Aminophosphono-halo-alkanals and preparation thereof. 2,597,938, May 27.

Lagant, Silas P., Pocahontas, Ill. Posthole digger. 2,598,565, May 27.

L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, assignee: *See*—
Gagnan, Emile, and Cousteau.

Lakin, Harold, Bronx, N. Y. Mechanical movement. 2,598,275, May 27.

Lamar, Charles C.: *See*—
Koch, Henry J., and Lamar.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Bimetallic thermometer. 2,597,939, May 27.

Lamm, Lewis J.: *See*—
Tuttle, Charles D., Larsen, and Lamm.

Landis & Gyr, A. G., assignee: *See*—
Fehr, Paul.

Lang, Henry F.: *See*—
Christian, Raymond A., Ganger, and Lang.

Langdon, Jesse D., Long Beach, Calif. Check valve construction. 2,598,002, May 27.

Langdon, Louis D.: *See*—
Bayer, Elton A., and Langdon.

Lannen, Harold T.: *See*—
Odom, Earl R., and Lannen.

Lanter, Clarence W.: *See*—
Brener, Grant W., and Lanter.

Larsen, Grayland T.: *See*—
Tuttle, Charles D., Larsen, and Lamm.

Larson, Charles A., Fergus Falls, assignor of one-third to L. Pistner, St. Paul, and one-third to G. W. Welch, Fergus Falls, Minn. Air preheater for furnaces. 2,598,395, May 27.

Lathrop-Paulson Company, The, assignee: *See*— Schwarzkopf, Vergil.

Lavrino, Anthony: *See*— MacDonald, Frederick W., and Lavrino.

Le Clair, Willis E., Peekskill, assignor to Interchemical Corporation, New York, N. Y. Web handling device. 2,597,877, May 27.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Wheel suspension for coal loaders. 2,598,276, May 27.

Lee, Francis H., San Pedro, assignor to Baker Oil Tools, Inc., Vernon, Calif. Apparatus for cementing well casings. 2,598,396, May 27.

Lee, Harold E.: *See*— Gerber, George L., and Lee.

Lee, Joseph F.: *See*— Long, Frank V., Lee, Levi, and Keane.

Lee, Norman E., Forest Hills, N. Y. Mounting. 2,597,878, May 27.

Leermakers, John A.: *See*— Yutzy, Henry C., and Leermakers.

Lehmann, Max, East Cleveland, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial elevating truck. 2,598,566, May 27.

"Le Joint Francais," assignee: *See*— Augereau, Gaston.

Lemaigre-Voreaux, Pierre, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva, Paris, France. Heating device for electric discharge tubes. 2,598,567, May 27.

Lemetre, Giuseppe, Fidenza, Italy. Detachable insulated handle for heated vessels. 2,598,568, May 27.

Leo, Arnold G., and T. B. Tinker, New York, N. Y. Breast pad structure. 2,598,003, May 27.

Les Laboratoires Francais de Chimiotherapie, assignee: *See*— Velluz, Leon, and Muller.

Leverton and Company, assignee: *See*— Hungate, William.

Levi, Alphonse F.: *See*— Long, Frank V., Lee, Levi, and Keane.

Levin, Arnold, Brooklyn, N. Y. Laminated cushioning sole for shoes. 2,597,879, May 27.

Levine, Samuel J., West Orange, N. J., assignor to General Electric Company. Air-cooling attachment for warm air furnace systems. 2,598,397, May 27.

Levkoff, David, Great Neck, N. Y. Machine for setting-up box blanks. 2,598,569, May 27.

Lewis, Roy K., Dallas, Tex. Hoist for transporting invalids. 2,598,570, May 27.

Lewith, Wilson, assignee: *See*— Batista, Claudio P.

Libby, McNeill & Libby, assignee: *See*— Grosvenor, Oliver.

Libenson, Leon, Flemington, N. J. Stabilized tetrathiodilactic and tetrathiodiglycollic acid pharmaceutical. 2,598,004, May 27.

Liechty, Melvin E., Berne, Ind. Speaker's folding stand. 2,598,128, May 27.

Lilly, Eli, and Company, assignee: *See*— Bellard, Jean Q., and Schnakenberg.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Air-borne radio relaying system. 2,598,064, May 27.

Lindsay Wire Weaving Company, The, assignee: *See*— Davis, Howell F., Southam, and Crossman.

Lindskog, Oskar L.: *See*— Kalling, Bo M. S., and Lindskog.

Line Material Company, assignee: *See*— Schultz, William O.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Cyclic carbinols. 2,597,842, May 27.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Cyclopentenyl carbinols. 2,597,843, May 27.

Linotype and Machinery Limited, assignee: *See*— Scott, Richard H., and Hayward.

Lippitt, Kendrick H., Earlville, assignor to Technical Appliance Corporation, Sherburne, N. Y. High-gain directionalized antenna. 2,598,005, May 27.

Littell, F. J. Machine Company, assignee: *See*— Littell, Frederick M., and Skriba.

Littell, Frederick M., and R. A. Skriba, assignors to F. J. Littell Machine Company, Chicago, Ill. Hydraulic centering reel. 2,598,398, May 27.

Lock Joint Pipe Company, assignee: *See*— Kennison, Hugh F.

Locke, Burton H., Framingham, Mass. Book match dispenser. 2,597,940, May 27.

Lodwick Aircraft Industries, Inc., assignee: *See*— Jenkins, Merl C.

Long, Frank W., Los Angles, J. F. Lee, Lynwood, A. F. Levi, Hermosa Beach, Calif., and C. C. Keane, Kansas City, Kans., said Lee, Levi and Keane, assignors to said Long doing business as the Vapor Recovery Systems Company, Compton, Calif. Sample taking apparatus. 2,598,183, May 27.

Long, Louis W., Lorain, Ohio, assignor to United States Steel Company. Device for controlling movement of pipe or the like along a roller conveyer. 2,597,941, May 27.

Long, Richard H., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrical control mechanism. 2,598,184, May 27.

Longmuir, James, Melbourne, Victoria, Australia. Dry cleaning apparatus. 2,598,571, May 27.

Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric ballast. 2,598,399, May 27.

Losinski, John L., and J. E. Schwermer, Duluth, Minn. Pay-off reel. 2,598,572, May 27.

Lotthammer, Eric K.: *See*— Skorupa, Edward R., and Lotthammer.

Louisville Metal Products Company, assignee: *See*— Mason, William T.

Love, Jabez A., Silver Creek Township, Cass County, Mich. Lift type disk harrow. 2,598,400, May 27.

Lowden, William P.: *See*— Yung, Ashun, and Lowden.

Lubszynski, Hans G., Northwood, J. D. McGee, Ealing, London, W. E. Turk, Hayes, and H. Cassman, Harlington, assignors to Electric & Musical Industries Limited, Hayes, England. Electron discharge device suitable for use as television transmitting tubes. 2,598,401, May 27.

Lucas, Glennard R., Pittsfield, Mass., assignor to General Electric Company. Polysiloxane resins with lead tetraphenyl catalyst. 2,598,402, May 27.

Luce, Edward J.: *See*— Zoerlein, Emil, Vincent, and Luce.

Lukins, Richard H.: *See*— Peterson, Albert C., Hayes, and Lukins.

Lutes, Harold R., Alhambra, Calif. Dual stereoscopic projector. 2,598,573, May 27.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,597,880, May 27.

Lyon, George A., Detroit, Mich. Wheel cover structure. 2,597,881, May 27.

Lyon, George A., Detroit, Mich. Hubcap. 2,597,882. May 27.

MacDonald, Frederick W., and A. Lavrino, assignors to Wheel Truing Brake Shoe Company, Detroit, Mich. Wheel truing brake shoe. 2,597,883, May 27.

MacDonald, Raymore D., La Grange, assignor to Athey Products Corporation, Chicago, Ill. Rail lifter. 2,598,277, May 27.

Macey, John, Buffalo, N. Y. Dispensing bottle stopper. 2,598,403, May 27.

MacFarland, Charles H., assignor to The Scott & Fetzer Company, Cleveland, Ohio. Deodorizer. 2,598,129, May 27.

MacKenzie, Douglas M., Toronto, Ontario, Canada. Strand separating and cleaning device for twisted clothesline. 2,598,404, May 27.

Mallison, Thomas D., Dallas, Tex. Lantern bracket. 2,598,130, May 27.

Malone Knitting Company, assignee: *See*— Humphlett, Wilma D.

Mansfield Sanitary Pottery Inc., assignee: *See*— Smith, Harry F.

Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), assignee: *See*— Bourdon, Pierre M.

Marchand, Adolph, Jackson Heights, N. Y. Glass grinding machine. 2,598,405, May 27.

Marchant Calculating Machine Company, assignee: *See*— Avery, Harold T. Boyden, Robert E.

Market Forge Co., assignee: *See*— Warshaw, Nathaniel.

Marks, Charles E., Lee, Mass., assignor to General Electric Company. Apparatus for affixing condenser tap straps to mounting strip material. 2,597,884, May 27.

Marks, Charles E., Lee, Mass., assignor to General Electric Company. Affixing condenser tap straps to mounting strip material. 2,597,885, May 27.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated oil, styrene oxide-phenol resin, drying oil coating composition. 2,598,644, May 27.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Styrenated-unsaturated oil modified alkyd, drying oil, and a phenol-styrene oxide resin coating composition. 2,598,645, May 27.

Marmon-Herrington Company, Inc., assignee: *See*— Herrington, Arthur W.

Marr, John E., assignor to L. D. Reimann, Salem, Oreg. Holder for carbons used in projecting machines. 2,598,006, May 27.

Marra, Anshony, Manbasset, N. Y. Disk operated electric player for carillons. 2,598,574, May 27.

Marshall Field and Company, assignee: *See*— Simpson, Glenn H.

Martin, Joseph K., Marietta, and D. W. Doughty, assignors to Thompson Venetians, Inc., Atlanta, Ga. Venetian blind. 2,598,575, May 27.

Martin, Robert W., Lenox, Mass., assignor to General Electric Company. Methylol phenol esters and plasticized materials therefrom. 2,598,406, May 27.

Marvel, Carl S., Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cross-linked polymeric materials and making same. 2,598,407, May 27.

Maryland Devices, Inc., assignee: *See*— Samuels, Abe O., and Kahn.

Mason, William T., assignor, by mesne assignments, to Louisville Metal Products Company, Louisville, Ky. Ladder structure. 2,598,278, May 27.

Massey-Harris Company, The, assignee: *See*— Dahl, Einar S.

Mataré, Herbert F., Vaucresson, G. Calon, Villemomble, and P. Philippoteaux, Le Raincy, assignors to Societe Anonyme dite Compagnie Des Freins & Signaux Westinghouse, Paris, France. Capacity-meter for measurement of low electric capacitance values. 2,598,576, May 27.

Materials Handling Laboratories, Inc., assignee: *See*— Cahners, Norman L., and Moffat.

Mattison, Norman D., Montclair, N. J. Sanitary accessory for toilet bowls. 2,598,577, May 27.

Maude, Aylmer H., and D. S. Rosenberg, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Production of polychloroethenes. 2,598,646, May 27.

Maxham, Daniel W., Hogansville, Ga. Spinning machine. 2,598,185, May 27.

Mayland, Bertrand J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Use of spent Fischer-Tropsch catalyst for manufacture of carbon monoxide-hydrogen synthesis gas. 2,598,186, May 27.

McBee Company, The, assignee: *See*— Burke, William F., and Essex. Connor, Roger. Hooe, Hunter E.

McCleary, Charles D.: *See*— Romeyn, Hendrik, Jr., and McCleary.

McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defrosting refrigeration apparatus. 2,598,408, May 27.

McCormick, Thomas E., Florence, Ala. Animal trap. 2,598,007, May 27.

McCoy, Rawley D., Bronxville, N. Y., assignor to The Sperry Corporation. Demodulating circuits. 2,597,886, May 27.

McCullough, Ray, Fresno, Calif. Bearing assembly for disk harrows. 2,597,942, May 27.

McCutchen, Joe K., Ellijay, and D. A. Tilman, Cartersville, Ga. Loom having means for severing tuft forming strands. 2,598,579, May 27.

McCutchen, Joseph K., and D. A. Tillman, Ellijay, Ga. Severing machine for looms. 2,598,578, May 27.

McEwen, Robert L., Williamsville, and F. R. Sheldon, assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Bleaching or brightening a web of mixed fibers. 2,598,580, May 27.

McGee, James D.: *See*— Lubasnyski, Hans G., McGee, Turk and Cassman.

McGrath, Henry G., Elizabeth, assignor to The M. W. Kellogg Company, Jersey City, N. J. Hydrogenation of carbon monoxide with promoted iron catalyst. 2,598,647, May 27.

McGraw Electric Co., assignee: *See*— Coe, William G.

McGuire, F. Willis, trustee, assignee: *See*— Huber, Elmer J.

McKenna, Philip M., Greensburg, and W. L. Kennicott, assignors to Kennametal Inc., Latrobe, Pa. Cutting tool. 2,598,581, May 27.

McKenzie, Joseph A., Rapid City, S. Dak. Remote controlled shooting gallery. 2,598,008, May 27.

McKibbin, George N., Baton Rouge, La. Panel-type heater. 2,598,279, May 27.

McKinney, John F., Jr.: *See*— Say, Theodore, and McKinney.

McLean, Paul L., assignor of twenty-five per cent to M. L. Morgan, Levelland, Tex. Paraffin removing and preventing apparatus. 2,598,280, May 27.

McNellis, James: *See*— Vaterrodt, Peter, and McNellis.

Mechano Gear Shift Company, assignee: *See*— Kenyon, Bertrand F.

Meckenstock, John W., assignor to Meckum Engineering, Inc., Chicago, Ill. Sand valve. 2,598,409, May 27.

Meckum Engineering, Inc., assignee: *See*— Meckenstock, John W.

Meeker, William H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Reversible front cuff link. 2,597,887, May 27.

Meeker, William H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Reversible front cuff link. 2,598,281, May 27.

Mello, Samuel T.: *See*— Hooz, Benjamin, and Mello.

Melnick, Daniel, Teaneck, N. J., assignor to The Best Foods, Inc., New York, N. Y. Food compositions and producing same. 2,598,282, May 27.

Melzer, Frederick A., Gary, Ind. Door latching mechanism. 2,598,582, May 27.

Meopta, Consolidated Factories for Fine Mechanical and Optical Instruments, National Corporation, assignee: *See*— Krecan, Jaroslav.

Merck & Co., Inc., assignee: *See*— Gakenheimer, Walter C.

Merley, Sylvan R., Riverton, and A. Kofoet, Bellmawr, N. J., assignors, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y. Purifying soaps of fatty acids. 2,597,844, May 27.

Meyer, Edwin L., assignor to Van Dusen and Meyer, Incorporated, Bridgeport, Conn. Liquid measuring and dispensing valve. 2,598,583, May 27.

Meyer, George L. N., Milwaukee, Wis. Filler valve with automatic and emergency cutoff. 2,597,943, May 27.

Meyer, Royal L., Willoughby, assignor to The Swartwout Company, Cleveland, Ohio. Valve. 2,598,187, May 27.

Meystre, Charles: *See*— Wettstein, Albert, and Meystre.

Midland Tar Distillers Limited, The, assignee: *See*— Scott, Roland, and Joscelyne.

Miescher, Karl, Riehen, and P. Wieland, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Production of compounds of the androstane series. 2,598,648, May 27.

Miller, James E., assignor to Dryco Corporation, Syracuse, N. Y. Spotting apparatus. 2,598,410, May 27.

Miller, Laurence R., Fond du Lac, Wis. Releasable holder for broom handles. 2,598,065, May 27.

Miller, Robert A.: *See*— Olson, Henry L., Hale and Miller.

Miller, Thomas H., Wilmington, Del., assignor to Kaumagraph Company. Treating textile fabrics to prevent unraveling at cut edges thereof. 2,597,888, May 27.

Miller, Walter, and J. L. D. Morrison, Benton Harbor, Mich. Turntable for record changers. 2,598,584, May 27.

Miller, William T., Ithaca, N. Y., assignor to The United States of America as represented by the United States Atomic Energy Commission. Copolymers of perfluoropropene and tetrafluoroethylene and making same. 2,598,283, May 27.

Miller, William T., Ithaca, N. Y., and E. W. Fager, Chicago, Ill., assignors to The United States of America as represented by the United States Atomic Energy Commission. Rearrangement of saturated halocarbons. 2,598,411, May 27.

Milliken, Thomas H., Jr., Moylan, Pa., and I. H. Wellnsky, Claymont, assignors to Houdry Process Corporation, Wilmington, Del. Drying a silica-zirconia hydrogel containing an alkali salt. 2,597,889, May 27.

Miner, Leonard, Bridgeport, Conn. Curtain stretcher and drier. 2,598,585, May 27.

Mink, Leon D., assignor to Swift & Company, Chicago, Ill. Preserving shell eggs. 2,598,586, May 27.

Minton, Ernest D., Ault, Colo. Adjustable stroke dispensing pump. 2,598,188, May 27.

Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Phase shifting network. 2,598,433, May 27.

Modée, Gustav V. G., J. H. Strandlund and F. Ek, Stockholm, Sweden. Switching system for communication of intelligence. 2,598,412, May 27.

Moergeli, Eduard, Neuewelt, near Basel, assignor to Ciba Limited, Basel, Switzerland. Di(1,4 diamino-2-arylketone anthraquinone) amides of aromatic dicarboxylic acids. 2,598,587, May 27.

Moffat, Alexander W.: *See*— Cahners, Norman L., and Moffat.

Mohler, Donald, Schenectady, and J. E. Sellers, Scotia, N. Y., assignors to General Electric Company. Preparation of organohalogenosilanes from organohalogenopolysilanes. 2,598,434, May 27.

Mohler, Donald, Schenectady, and J. E. Sellers, Scotia, N. Y., assignors to General Electric Company. Treating organopolysilanes. 2,598,435, May 27.

Mohler, Donald, Schenectady, and J. E. Sellers, Scotia, N. Y., assignors to General Electric Company. Preparing organohalogenosilanes. 2,598,436, May 27.

Monk, Ivan, United States Navy, Washington, D. C. Rotary power unit operable on atmospheric energy. 2,597,890, May 27.

Monsanto Chemical Company, assignee: *See*— Bartram, Thomas W. Creed, Kenneth E., Jr. Dazzi, Joachim. Fields, Joseph E., and Wesp. Fincke, John K. Hurley, Forrest R. Marling, Paul E. Throdahl, Monte C. Zerbe, Richard O.

Moors, Harry J., Galveston, Tex. Batten cleat protector. 2,597,945, May 27.

Morgan Construction Company, assignee: *See*— Morgan, Myles.

Morgan, Melvin L., assignee: *See*— McLean, Paul L.

Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Apparatus for handling bars. 2,597,944, May 27.

Morley, Herbert F., Arlington, Va. Storage building and mechanism for loading same. 2,598,413, May 27.

Morrison, James L. D.: *See*— Miller, Walter, and Morrison.

Morse, Lawrence H., Mentor, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Pivotal frame mounting structure for offset printing machine cylinders. 2,598,414, May 27.

Morse, Reginald A., Scarsdale, assignor to Oscar Kohorn & Co. Ltd., New York, N. Y. Production of pigmented rayon. 2,598,066, May 27.

Mosinee Paper Mills Company, assignee: *See*—
Green, Charles M.

Motorola, Inc., assignee: *See*—
Frihart, Henry N., and Hassler.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for measuring intensity of magnetic fields. 2,598,284, May 27.

Muffly, Gary, Penn Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for measuring intensity of magnetic fields. 2,598,285, May 27.

Muir, Hunter M., assignee: *See*—
Jinks, Charles A.

Mulder, Johannes G. W., and T. Hagenberg, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Sealing glass windows to metallic cones for cathode-ray tubes. 2,598,286, May 27.

Mullen, Harris H., Tampa, Fla. Shiftable shade. 2,598,588, May 27.

Mullen, William G., Winchester, Mass., assignor, by mesne assignments, to A. B. Dick Company, Village of Niles, Ill. Photographic printing plate. 2,598,189, May 27.

Muller, Georges: *See*—
Veliuz, Leon, and Muller.

Muller, Victor C., U. S. Navy, assignor to the United States of America as represented by the Secretary of the Navy. Nestable leg caliper. 2,597,891, May 27.

Murchison, Bessie F., assignee: *See*—
Murchison, Blackwell K.

Murchison, Blackwell K., assignor, by mesne assignments, to B. F. Murchison, Brooklyn, N. Y. Manual sharpening implement. 2,598,589, May 27.

Murdock Mfg. & Supply Co., The, assignee: *See*—
Bart, Thomas E.

Murfitt, Harry C.: *See*—
Oxley, Horace F., Thomas, and Murfitt.

Murphy, George B., New York, N. Y. Sheet metal cutter. 2,598,287, May 27.

Nahm, Eugene A., Baldwin, N. Y., assignor to Johnson Fare Box Company, Chicago, Ill. Zone ticket holder. 2,598,415. May 27.

Nash Engineering Company, assignee: *See*—
Adams, Harold E.

Nash, James E., West Point, Ga. Organ or other toy with equalized pressure supply. 2,598,416, May 27.

Nash, John, Brentford, England, assignor to The Sperry Corporation. Altitude controlling autopilot for aircraft. 2,597,892, May 27.

Nash, Thomas L.: *See*—
Knopp, Wallace A., and Nash.

Nathan, Jerome: *See*—
Rosenthal, Daniel, Adler, and Nathan.

National Brooch & Machine Company, assignee: *See*—
Praeg, Walter S.

National Cash Register Company, The, assignee: *See*—
Adams, Clyde S.
Brown, George T., Jr.
Christian, Raymond A., Ganger, and Lang.

National Lead Company, assignee: *See*—
Huebotter, Earl E.

National Pneumatic Co., Inc., assignee: *See*—
Durbin, Vernon.
Vacha, Fred P.

Navarre, Louis L., Shreveport, La. Posthole digger. 2,598,288, May 27.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Havens, Byron L.
Hetland, Julius M.
Kenyon, Theodore W.
Kunz, Georges.
Muller, Victor C.
Rockwell, Gaynor O.

Nelson, William J.: *See*—
Derner, Otis C., and Nelson.

Newman, Edward A.: *See*—
White, Eric L. C., and Newman.

Newman, Ferris E., New Haven, Ind., assignor to United States Rubber Company, New York, N. Y. Composition of matter comprising a thermosetting cashew nut shell oil modified phenol-formaldehyde resin, a rubbery copolymer of butadiene and acrylonitrile, and diatomaceous earth. 2,598,289, May 27.

Niemann, Leroy K., assignor to Eastman Mfg. Company, Manitowoc, Wis. Blowgun. 2,598,417, May 27.

Noll, Paul E., Pasadena, C. W. Crawford, Los Angeles, T. D. Aller, San Gabriel, and A. R. Rethey, Los Angeles, Calif., assignors to United States Steel Company. Control valve. 2,598,590, May 27.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Apparatus for applying a coating band to moving articles. 2,597,893, May 27.

Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Container weighing machine with buoyant liquid weighing medium. 2,597,894, May 27.

North American Geophysical Co., assignee: *See*—
Cloud, Raymond T.

Northern Indiana Brass Co., assignee: *See*—
Arbogast, Alfred C.

Novak, John M., San Francisco, Calif. Mnemonic educational means for demonstrating atomic or molecular structure and phenomena. 2,598,591, May 27.

Novy, Joseph F., U. S. Navy. Remote location and identification system. 2,597,895, May 27.

O'Brien, Edward J., San Francisco, Calif. Body attached rearview mirror support with light. 2,598,291, May 27.

O'Brien, Vincent R., St. Paul, Minn. Kitchen cabinet incinerator. 2,598,067, May 27.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Area identification system. 2,598,290, May 27.

Odom, Earl R., Altadena, and H. T. Lannen, assignors to Air Line Engineering Corporation, Pasadena, Calif. Fruit juice extraction. 2,598,418, May 27.

O'Donnell, Terrence C., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Combined check valve and strainer. 2,598,131, May 27.

Offutt, John W., Ellwood City, Pa., assignor to United States Steel Company. Drawbench. 2,598,190, May 27.

Ogilvie, Alexander: *See*—
Procter, John T., and Ogilvie.

O'Hearn, George E., Jr., and H. D. Hach, Gardner, Mass. Door or closure. 2,598,419, May 27.

Oliver United Filters Incorporated, assignee: *See*—
Robison, Clinton S., Jr.

Olson, Albert M., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Apparatus for the treatment of external surfaces of cans. 2,597,946, May 27.

Olson, Henry L., Grand Haven, W. F. Hale, Spring Lake, and R. A. Miller, assignors to Camfield Manufacturing Company, Grand Haven, Mich. Heater for electric toasters. 2,598,592, May 27.

Olsson, Oscar K. J.: *See*—
Vigren, Sten D., Broberg, and Olsson.

Onksen, George W., Jr., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Light responsive system. 2,598,420, May 27.

Orr, Billy E.: *See*—
Havens, Richard A., Orr, Pitts, and Cunningham.

O'Russa, Lorence, Princeville, Ill. Dry shaving apparatus. 2,598,292, May 27.

Oster Manufacturing Company, The, assignee: *See*—
Chasar, Anthony R.

Oster, Thomas H., Romulus, assignor to Ford Motor Company, Dearborn, Mich. Casting core removal. 2,597,896, May 27.

Ostlund, Evert M., Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Capacitive coupling assembly. 2,597,897, May 27.

Ottinger, Harry: *See*—
Kirchner, George J., and Ottinger.

Oxley, Horice F., and E. B. Thomas, Spondon, near Derby, and H. C. Murfitt, London, England, assignors to Celanese Corporation of America. Textile treating compositions. 2,597,947, May 27.

Package Machinery Company, assignee: *See*—
Schmied, Joseph M.
Wethe, Harry K., and Duncanson.

Packard Motor Car Company, assignee: *See*—
Rosenlund, Iver T.

Page, John W., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Vertically adjustable seat for vehicles. 2,598,421, May 27.

Paige, James: *See*—
Rose, Alfred G., and Paige.

Paper Patents Company, assignee: *See*—
Du Bois, Horace A.

Parcels, A. Arnold: *See*—
Boersma, Barney, and Parcels.

Parker, Linus J., Windsor, assignor to International Business Machines Corporation, New York, N. Y. Polycentric articulated finger for artificial hands. 2,598,593, May 27.

Parker, Melvin J., New York, and A. J. Turpin, Stewart Manor, assignors to Hauck Manufacturing Co., Brooklyn, N. Y. Thawing pit for railway cars. 2,598,293, May 27.

Parker Pen Company, The, assignee: *See*—
Hull, Philip C.

Parkinson, David B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic impulse sender. 2,597,898, May 27.

Patent and Licensing Corporation, The, assignee: *See*—
Reeser, Harry C.

Patroske, John A., assignee: *See*—
Pattyn, Pierre P.

Pattyn, Pierre P., Detroit, Mich., assignor, by mesne assignments, to J. A. Patroske. Sound reproducing apparatus. 2,598,132, May 27.

Paul, Benjamin F., deceased, Elwood, Ind.; M. H. Paul, administratrix. Casket seal structure. 2,598,422, May 27.

Paul, Mildred H., administratrix: *See*—
Paul, Benjamin F.

Payne, Robert E., Bywood, Upper Darby, Pa., assignor to The Sharples Corporation. Sedimentation tower. 2,597,899, May 27.

Paynter, Horace J., Union, and F. Derrer, West Orange, N. J., assignors to American Can Company, New York, N. Y. Mechanism for gently engaging and feeding fragile articles. 2,597,900, May 27.

Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Nipple chuck. 2,598,423, May 27.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Valved pipe coupling. 2,598,009, May 27.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 2,598,294, May 27.

Pelton, Clyde W., Akron, Ohio. Bedclothes support. 2,598,295, May 27.

Penn, Melvin P., assignor to General Motors Corporation, Dayton, Ohio. Making fin elements. 2,598,191, May 27.

Perlman, Alfred H., assignor to Fral Manufacturing Co., Chicago, Ill. Tire chain anchor device. 2,598,594, May 27.

Petermann, Otto, Groton, and F. Kosmer, Syracuse, N. Y., assignors to Philip N. Braun Inc., Los Angeles, Calif. Type locking means in marking machines. 2,598,438, May 27.

Peters, Carl F., assignor to Velsicol Corporation, Chicago, Ill. Production of cyclopentadiene-tall oil compositions. 2,598,424, May 27.

Peters, Carl F., assignor to Velsicol Corporation, Chicago, Ill. Production of cyclopentadiene-resinous material reaction products. 2,598,425, May 27.

Peters, Leo, Evanston, Ill. Mixing method and package. 2,598,595, May 27.

Peters Stamping Company, The, assignee: *See*—
Roesch, George R.

Peterson, Albert C., Park Ridge, R. A. Hayes, Franklin Park, and R. H. Lukins, assignors to Union Special Machine Company, Chicago, Ill. Lubricating system for sewing machines. 2,598,426, May 27.

Petrea, James C.: *See*—
Rappaport, Sigmund, and Petrea.

Petrie, James E., assignor to Petrie Specialties Co., Minneapolis, Minn. Adjustable support. 2,598,596, May 27.

Petrie Specialties Co., assignee: *See*—
Petrie, James E.

Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr.
De Groote, Melvin, and Keiser.

Peyton, William T., Dallas, Tex. Freight stabilizing cleat. 2,598,068, May 27.

Pfälzische Chamotte- und Tonwerke (Schiffer und Kircher) A. G., assignee: *See*—
Janson, Josef.

Philco Corporation, assignee: *See*—
Tellier, Joseph C.

Philippe, Alfred, Scarsdale, N. Y., assignor to Trifari, Krussman and Fishel, Inc. Expansible jewelry clasp. 2,598,597, May 27.

Philippoteaux, Pierre: *See*—
Mataré, Herbert F., Calon, and Philippoteaux.

Phillips, Julia W., Denver, Colo. Combination baby carrier and utility bag. 2,597,948, May 27.

Phillips Petroleum Company, assignee: *See*—
Bailey, Grant C., and Whitney.
Hutchinson, William M.
Mayland, Bertrand J.

Pierce, Clayton B., assignor to Emerol Manufacturing Co., New York, N. Y. Auxiliary fluid supply valve. 2,598,598, May 27.

Pierce Governor Company, Inc., The, assignee: *See*—
Reger, Raymond.

Pierson, Harold L., Sea Breeze, assignor to E. P. Reed & Co., Rochester, N. Y. Cushion insole for welt shoes. 2,598,296, May 27.

Pierson, Harold L., Sea Breeze, assignor to E. P. Reed & Co., Rochester, N. Y. Insole with a laminated cushion forepart. 2,598,297, May 27.

Philiatach, John B., Aurora, Ill., assignor to Silver-King Corp. Entrance for chutes of coin-operated devices. 2,598,010, May 27.

Pindjak, Leo J., Benton, Ill. Antiskid device for vehicle tires. 2,598,298, May 27.

Pine, W. Morton, administrator: *See*—
Pine, Wilbur J.

Pine, Wilbur J., deceased, Wausau; W. M. Pine, Milwaukee, Wis., administrator. Apparatus for sharpening lawn mowers. 2,598,069, May 27.

Pistner, Leopold, assignee: *See*—
Larson, Charles A.

Pitre, Guillius J., New Orleans, La. Shrimp and minnow adapter fish lure. 2,598,011, May 27.

Pitts, Perle R., Jr.: *See*—
Havens, Richard A., Orr, Pitts, and Cunningham.

Pittsburgh Corning Corporation, assignee: *See*—
Johnson, Ralph A.

Place, Walter R., Glen Ridge, N. J. Apparatus for controlling die operations. 2,598,427, May 27.

Pleasance, Edwin, Detroit, assignor to Ford Motor Company, Dearborn, Mich. Wheel alignment gauge. 2,598,599, May 27.

Plexico, Robert S., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Remote control of transmission. 2,598,428, May 27.

Poust, Milton L., Riverside, assignor to Sears, Roebuck and Co., Chicago, Ill. Protective cover for frangible disks. 2,598,192, May 27.

Power Jets (Research and Development) Limited, assignee: *See*—
Johnstone, Alexander P.
Kolb, Paul.

Pownall, George L., London, Ohio. Apparatus and method of rapid production and harvesting of ice. 2,598,429, May 27.

Pownall, George L., London, Ohio. Apparatus and method of rapid production and harvesting of ice. 2,598,430, May 27.

Praeg, Walter S., assignor to National Brooch & Machine Company, Detroit, Mich. Machine for finishing gears with diagonal traverse. 2,598,431, May 27.

Price, John C., Schenectady, N. Y., assignor to General Electric Company. Phase shifting network. 2,598,432, May 27.

Prieur, Ernest A., Flint, Mich. Artificial fish lure. 2,598,012, May 27.

Procter, John T., York, and A. Ogilvie, St. Albans, England. Granulation of phosphatic fertilizers. 2,598,658, May 27.

Proell, Wayne A., Chicago, Ill., and W. B. Chilcote, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Producing sulfonyl halides from sulfenyl halides. 2,598,013, May 27.

Proell, Wayne A., Chicago, Ill., W. B. Chilcote and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Conversion of hydrocarbon disulfides to sulfonyl chlorides. 2,598,014, May 27.

Prosser, Patrick M., Jacksonville, Fla. Armrest for vehicles. 2,598,299, May 27.

Putt, J. Lewis, Huntington Station, N. Y. Internal-combustion engine. 2,598,300, May 27.

Quaker Oats Company, The, assignee: *See*—
Ernest, Robert H.

Radio Corporation of America, assignee: *See*—
Gehman, John B.
Gossick, Ben R.
Lindenblad, Nils E.
Rajchman, Jan A.
Schade, Otto H.
Shumard, Charles C.
Usselman, George L.
Yung, Ashun, and Lowden.

Ragan, Thomas M.: *See*—
Baker, Rueben C., and Ragan.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Indicating frequency by resonance of charged particles. 2,598,301, May 27.

Randall, Horace, Pawtucket, R. I., assignor to The H. M. H. Co. Devotional package. 2,598,070, May 27.

Rank, Richard L., St. Louis, Mo. Clip for garments or the like. 2,598,600, May 27.

Rappaport, Sigmund, and J. C. Petrea, assignors to Wright Machinery Company, Durham, N. C. Buoyancy scale. 2,597,949, May 27.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield clearing system. 2,598,601, May 27.

Rapson, William H.: *See*—
Wayman, Morris, and Rapson.

Raulston, James L., South Pittsburg, Tenn. Triangular radiant. 2,598,602, May 27.

Raymond Concrete Pile Company, assignee: *See*—
Smith, Edward A.

Raytheon Manufacturing Company, assignee: *See*—
Andrews, Glenn E.
Donelson, Arthur W.
Dawson, John W.
White, Harold T., Jr.

Read, Clinton I.: *See*—
Brown, John R., and Read.

Redi Products Corporation, assignee: *See*—
Schulz, Herman R., C. G., and Kedzie.

Reed, E. P., & Co., assignee: *See*—
Pierson, Harold L.

Reek, Donald C., Fort Wayne, Ind., assignor to General Electric Company. Directional switch. 2,598,440, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Egg shipping container. 2,597,845, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Container for shipment of eggs. 2,597,846, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Shipping container for eggs. 2,597,847, May 27.

Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Egg container. 2,597,848, May 27.

Reeves, James B.: *See*—
Jones, Jesse E., and Reeves.

Reger, Raymond, assignor to The Pierce Governor Company, Inc., Anderson, Ind. Speed control for pressure fluid operable rotator. 2,598,439, May 27.

Reimann, Leo D., assignee: *See*—
Marr, John E.

Reinhard, Wolfgang, Pforzheim, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Device for the magnetic deflection of cathode-ray tubes. 2,598,302, May 27.

Reinhard, Wolfgang, Pforzheim, Germany, assignor to International Standard Electric Corporation, New York, N. Y. Deflection-coil arrangement in cathode-ray tubes. 2,598,303, May 27.

Renwal Manufacturing Co., Inc., assignee: *See*—
Rosenbloom, Irving.

Research Corporation, assignee: *See*—
Kendall, Edward C.
Richardson, Harry L.
Salo, Torsti P., and Waugh.

Rethey, Albert R.: *See*—
Noll, Paul E., Crawford, Aller, and Rethey.

Reynolds Metals Company, assignee: *See*—
Eichner, Frank L.

Richardson, Harry L., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Dispersing high-boiling liquids in gases. 2,598,304, May 27.

Richardson, Lloyd. D., Sr., Spring Valley, assignor to H-P-M Development Corporation, Mount Gilead, Ohio. Apparatus for hot-pressing powdered metals. 2,598,015, May 27.

Richardson, Lloyd D., Sr., Spring Valley, assignor to H-P-M Development Corporation, Mount Gilead, Ohio. Apparatus for hot-pressing powdered metals. 2,598,016, May 27.

Richtarsic, Joseph P., Pittsburgh, Pa. Ceramic spark arrester. 2,598,603, May 27.

Riddell, Wallace C., Berkeley, and G. B. Kirk, Redwood City, Calif., assignors to Henry J. Kaiser Company. Water repellent gypsum product and making same. 2,597,901, May 27.

Ridley, Frank F., Ponteland, England. Separation of minerals having different specific gravities in a body of liquid medium. 2,598,305, May 27.

Rile-Coe Filter Process, Inc., assignee: *See*—
Coe, Mayne R.

Ringer, Evue J., assignor to Bendix Aviation Corporation, South Bend, Ind. Power-operated hydraulic pressure device, including yieldable piston stop. 2,598,604, May 27.

Rintoul, Peter, assignor to Canada Illinois Tools Limited, Toronto, Ontario, Canada. Slitting and scoring tool. 2,598,649, May 27.

Risser, Ivan H., Glenview, assignor to U. S. Bottlers Machinery Company, Chicago, Ill. Vacuum filling machine. 2,598,441, May 27.

Robertson, Robert, Roundhay, Leeds, assignor to British Optical & Precision Engineers Limited, London, England. Intermittent driving mechanism. 2,597,950, May 27.

Robinson, James D., Memphis, Tenn. Distributing valve. 2,598,605, May 27.

Robison, Clinton S., Jr., Wilmette, Ill., assignor to Oliver United Filters Incorporated, Oakland, Calif. Continuous rotary drum thickener. 2,598,606, May 27.

Rockwell, Gaynor O., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Gun recoil absorbing mechanism. 2,598,017, May 27.

Roeach, George R., Toledo, assignor to The Peters Stamping Company, Perrysburg, Ohio. Brake operating mechanism. 2,598,133, May 27.

Rogers, Thomas H., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Sponge rubber and making same. 2,598,018, May 27.

Roketa, Stanley J., Minneapolis, Minn. Ladder rest. 2,597,902, May 27.

Romeyn, Hendrik, Jr., Montclair, N. J., and C. D. McCleary, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Emulsion polymerization process. 2,597,951, May 27.

Rose, Alfred G., and J. Paige, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Carton opening machine. 2,598,071, May 27.

Rose Brothers (Gainsborough) Limited, assignee: *See*—
Rose, Alfred G., and Paige.

Rose, Joseph K., Chicago, Ill. Reflective mask for television cabinet fronts. 2,598,072, May 27.

Rosenberg, David S.: *See*—
Maude, Aylmer H., and Rosenberg.

Rosenbloom, Irving, Great Neck, assignor to Renwal Manufacturing Co., Inc., Mineola, N. Y. Toy bank. 2,598,442, May 27.

Rosenlund, Iver T., Newark, Del., assignor to Packard Motor Car Company, Detroit, Mich. Valve construction. 2,597,952, May 27.

Rosenthal, Daniel, Brooklyn, R. W. Adler, New York, N. Y., and J. Nathan, Ridgefield, N. J., said Adler and said Nathan assignors to said Rosenthal. Display device. 2,598,019, May 27.

Rostine, Carl A., Gardena, Calif., assignor, by mesne assignments, to John Wood Company, New York, N. Y. Hose reeling apparatus. 2,598,306, May 27.

Roth, Otto W., Los Angeles, Calif. Cutting tool. 2,598,443, May 27.

Rozanski, Tony, and W. Whitley, Ramsey, N. J. Hydraulic pressure delivery device. 2,597,953, May 27.

Ruben, Julius, trustee, assignee: *See*—
Huber, Elmer J.

Rumble, Roy W., Pretoria, Transvaal, Union of South Africa. Molded roof structure and its production. 2,598,607, May 27.

Rumsey, Herbert, Jr., Rochester, N. Y. Wrapping and twisting apparatus. 2,598,073, May 27.

Russell, Carl M.: *See*—
Jensen, Garold K., Russell, and Smith.

Rutgers, Ulrich J., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Liquid flow regulating system. 2,598,307, May 27.

Rutherford, Harry T., Baltimore, Md. Surface grinder. 2,598,020, May 27.

Sackner Products, Inc., assignee: *See*—
Boersma, Barney, and Parcels.

Sadwith, Howard M., Plainfield, assignor to Industrial Washing Machine Corporation, New Brunswick, N. J. Washing machine for baking utensils. 2,598,074, May 27.

St. Louis, Rudolph A., Boston, Mass. Swing and support therefor. 2,598,618, May 27.

Salo, Torsti P., Cambridge, and D. F. Waugh, Belmont, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y. Preparation of collagenous materials. 2,598,608, May 27.

Salvo Chemical Corporation, assignee: *See*—
Schoeffel, Eugene W.

Samuel, Charles A., Forest Park, Ill. Hydraulic cylinder piston. 2,598,609, May 27.

Samuels, Abe O., and S. Kahn, Bridgeport, Conn., assignors, by mesne assignments, to Maryland Devices, Inc., Baltimore, Md. Controllable spray dispenser. 2,598,308, May 27.

Sandoz Limited, assignee: *See*—
Iselin, Ernst, and Wehrli.

Satz, Carl, Miami, and F. Satz, Hollywood, Fla. Storm shutter assembly. 2,598,610, May 27.

Satz, Frank: *See*—
Satz, Carl, and F.

Savage, Bernice C., Jefferson, Ga. Jack hook holder for looms. 2,598,444, May 27.

Say, Theodore, West Chester, and J. F. McKinney, Jr., Ridley Park, assignors to Sun Oil Company, Philadelphia, Pa. Catalytic cracking of hydrocarbon oil. 2,598,309, May 27.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Power conservation system. 2,598,134, May 27.

Schaller, Fred W., Jenera, Ohio. Earthworking implement. 2,597,954, May 27.

Schaser, George, Gary, Ind. Adjustable stand lamp with a switch and a handle to adjust the lamp and also actuate the switch. 2,598,310, May 27.

Scherer, R. P., Corporation, assignee: *See*—
Halstead, Richard.

Schmied, Joseph M., Chicago, Ill., assignor to Package Machinery Company, East Longmeadow, Mass. Carton closing and flap tucking machine. 2,598,135, May 27.

Schmitz, George J., Kansas City, Mo. Banana crate. 2,598,136, May 27.

Schmutzler, Alfred F., Teaneck, N. J. Printing inks. 2,597,903, May 27.

Schnakenberg, George H. F.: *See*—
Bellard, Jean Q., and Schnakenberg.

Schneider, Harold N., Philadelphia, Pa., assignor to General Electric Company. Fluid actuated electric circuit breaker. 2,598,446, May 27.

Schneider, Harry H., Bronx, N. Y. Vapor charging system for internal-combustion engines. 2,598,445, May 27.

Schoeffel, Eugene W., Kronenwetter, assignor to Salvo Chemical Corporation, Rothschild, Wis. Manufacture of vanillin. 2,598,311, May 27.

Schroeder, Orval W.: *See*—
Brill, Edward F., and Schroeder.

Schultz, Roy M., assignor to David A. Freeman Corporation, Chicago, Ill. Steam hydrator. 2,598,447, May 27.

Schultz, William O., Marshfield, assignor to Line Material Company, Milwaukee, Wis. Operating mechanism for multiple point switches. 2,598,448, May 27.

Schulz, Carl G.: *See*—
Schulz, Herman R., C. G., and Kedzie.

Schulz, Herman R., and C. G. Schulz, Altadena, and A. S. Kedzie, Los Angeles, assignors to Redi Products Corporation, Pasadena, Calif. Packaging and serving frozen confections. 2,598,137, May 27.

Schwanke, Edward W., Sheboygan, Wis. Fishing pole holder. 2,598,021, May 27.

Schwarzkopf, Vergil, La Grange, assignor to The Lathrop-Paulson Company, Chicago, Ill. Can dumping apparatus and the like. 2,598,193, May 27.

Schwermer, John E.: *See*—
Losinski, John L., and Schwermer.

Scott & Fetzer Company, The, assignee: *See*—
MacFarland, Charles H.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Escapement mechanism. 2,597,955, May 27.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Escapement mechanism of typographical composing machines. 2,597,956, May 27.

Scott, Roland, and E. H. Joscelyne, assignors to The Midland Tar Distillers Limited, Oldbury, Birmingham, England. Purification of naphthalene. 2,598,449, May 27.

Scriptomatic, Inc., assignee: *See*—
Federwitz, Theodore A.

Seaman, Joseph W.: *See*—
Syrovy, Gerald H., and Seaman.

Sears, Roebuck and Co., assignee: *See*—
Poust, Milton L.

Seidel, Gustav A., assignor to Spliced-wood Corporation, Mellen, Wis. Apparatus for placing beams in baling presses. 2,598,075, May 27.

Sellers, Jesse E.: *See*—
Mohler, Donald, and Sellers.

Sepelak, Michael, New Castle, Pa. Recording telephone. 2,597,957, May 27.

Servel, Inc., assignee: *See*—
Bulkley, William L.
Dail, Owenby J.

Shaff, Ernest H., Bryan, Ohio, assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,598,450, May 27.

Shakter, Louis, assignee: *See*—
Cohn, Solomon.

Shannon, Jack F.: *See*—
Bailey, Ervin G., Dickey, and Shannon.

Sharp, John H., Chicago, Ill. Phonograph change-speed mechanism. 2,598,138, May 27.

Sharples Corporation, The, assignee: *See*—
Davis, Walter C.
Payne, Robert E.

Shea, Verner L., San Francisco, Calif. Metallic door frame securing clip. 2,598,139, May 27.

Sheldon, Fred R.: *See*—
McEwen, Robert L., and Sheldon.

Shell Development Company, assignee: *See*—
Bates, William F., Gregory, and Curry.
Bradley, Theodore F., and Winkler.
Hannibal, Lester S.

Sherbondy, William A., Shaker Heights, Ohio. Carpet sweeper having an automatically driven dust remover. 2,598,611, May 27.

Shippey, Albert J., assignor of fifteen per cent to G. E. Eberhard and fifteen per cent to R. G. Honn, Garnavillo, Iowa. Base former. 2,598,194, May 27.

Shoemaker, Bernard H.: *See*—
Proell, Wayne A., Chilcote, and Shoemaker.

Shonnard, John R., assignor to Times Facsimile Corporation, New York, N. Y. Modulating system and apparatus. 2,598,612, May 27.

Shukites, Michael, Johnston City, Ill. Automatic hook setting fishing line float. 2,598,140, May 27.

Shumard, Charles C., Hopewell, N. J., assignor to Radio Corporation of America. Sine and cosine function voltage device. 2,598,312, May 27.

Silver-King Corp., assignee: *See*—
Piliatach, John B.

Simoni, Arnold, Granby, Quebec, Canada. Control switch of the push-push type. 2,598,613, May 27.

Simonsen, Peter H., Avon, N. J. Structure for supporting folded garments within a transportation container. 2,597,904, May 27.

Simpson, Glenn H., Spray, N. C., assignor to Marshall Field and Company, Chicago, Ill. Bed sheet. 2,598,141, May 27.

Simpson, Justin, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Metal strip or sheet feeding means. 2,598,451, May 27.

Singer Manufacturing Company, The, assignee: *See*—
Enos, John P.

Singer, Mör J., Tilburg, and G. H. Draaisma, Amsterdam, Netherlands. Lighting device for sewing machines. 2,598,452, May 27.

Skantze, Olof A., Falkenberg, Sweden. Method and apparatus for the transformation of cereals, particularly barley into malt. 2,598,313, May 27.

Skoda Works, National Corporation, assignee: *See*—
Douša, Jaroslav.

Skorupa, Edward R., Columbus, Nebr., and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Skorupa. Wall mounted can opener. 2,598,314, May 27.

Skriba, Rudolph A.: *See*—
Littell, Frederick M., and Skriba.

Slater, Henry W., Victoria, Tex. Three leg derrick construction. 2,597,958, May 27.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype composition for siliceous surfaces. 2,598,453, May 27.

Smith, A. L., Iron Company, assignee: *See*—
Kruger, Michael H.

Smith, Clyde E., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Welding system. 2,597,959, May 27.

Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Drilling apparatus. 2,598,454, May 27.

Smith, Edward A., Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Power hammer construction. 2,598,455, May 27.

Smith, Frederic W., De Land, Fla. Magnetic steering control. 2,598,142, May 27.

Smith, Harry F., Lexington, assignor to Mansfield Sanitary Pottery Inc., Perrysville, Ohio. Flush tank inlet valve. 2,598,195, May 27.

Smith, Howard A.: *See*—
Davenport, William F., and Smith.

Smith, Howard O., Des Moines, Iowa. Gun sling securing device. 2,598,143, May 27.

Smith, Justin L., Watertown, Conn., and L. H. Eriksen, Oslo, Norway, assignors to Seymour Smith & Son, Inc., Oakville, Conn. Snap lock pliers with unlocking lever. 2,598,650, May 27.

Smith, Norman H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Elastic top for hosiery. 2,598,144, May 27.

Smith, Oliver R., Forth Worth, Tex. Arc welding mechanism. 2,598,076, May 27.

Smith, Seymour, & Son, Inc., assignee: *See*—
Smith, Justin L., and Eriksen.

Smith, Thomas G., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Fire hose. 2,598,022, May 27.

Smith, Vigo N.: *See*—
Jensen, Garold K., Russell, and Smith.

Smith, William F.: *See*—
Stauffer, Robert E., and Smith.

Snyder, Burton K., assignor to Gaylord Products, Incorporated, Chicago, Ill. Bobby pin. 2,598,456, May 27.

Snyder, Hubert, New London, Ohio. Key case. 2,598,615, May 27.

Societe Anonyme dite Compagnie Des Freins & Signaux Westinghouse, assignee: *See*—
Mataré, Herbert F., Calon, and Philippoteaux.

Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva, assignee: *See*—
Lemaigre-Voreaux, Pierre.

Societe Jaruza A. G. Chur, assignee: *See*—
Galmiche, Michel.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Head, Lloyd W.

Sodeco Societe des Compteurs de Geneve, assignee: *See*—
Flasser, Rolf.

Soler Capdevila, Antonio, Barcelona, Spain. Push-button operated permutation lock. 2,598,457, May 27.

Somers, Richard E., San Pedro, Calif. Combination boat and trailer assembly. 2,598,458, May 27.

Sonntag, Helmuth C.: *See*—
Dulken, Charles F., Sonntag, and Westwater.

Southam, Earl A.: *See*—
Davis, Howell F., Southam, and Crossman.

Spencer, Lloyd, Los Angeles, assignor of one-third to T. C. Bannon, Altadena, and one-third to J. D. Chestnut, Newport Beach, Calif. Gun perforator. 2,598,651, May 27.

Sperry Corporation, The, assignee: *See*—
Hansen, William W.
McCoy, Rawley D.
Nash, John.

Splicedwood Corporation, assignee: *See*—
Seidel, Gustav A.

Stackpole, Gerald B.: *See*—
Jones, Albert S., and Stackpole.

Stadler, Hurter & Company, assignee: *See*—
Hurter, Alfred T.

Staley, Joseph H., Columbus, Ind. Variable-speed signaling crossing gate. 2,598,196, May 27.

Standard Oil Company, assignee: *See*—
Proell, Wayne A., and Chilcote.
Proell, Wayne A., Chilcote, and Shoemaker.

Stander, Ruth L., Washington, D. C., assignor to United States Rubber Company, New York, N. Y. Preparation of gas-expanded plastic materials. 2,598,077, May 27.

Stander, Ruth L., Washington, D. C., assignor to United States Rubber Company, New York, N. Y. Preparation of gas-expanded plastic materials. 2,598,078, May 27.

Stark, Louis: *See*—
Kaplan, Samuel, and Stark.

Stauffer, Robert E., and W. F. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. High-speed photographic silver halide emulsions supersensitized with palladium salts. 2,598,079, May 27.

Steadman, Earl G., Jr., Youngstown, Ohio. Combination visor and magnifier. 2,598,145, May 27.

Stearn, William T., Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Yarn package support. 2,597,960, May 27.

Steffen, Elmer G., University Heights, Ohio, assignor to Alar Products, Inc. Pressure regulating device. 2,597,961, May 27.

Steffes, Milton J., Dearborn, assignor to Super Tool Company, Detroit, Mich. Masonry drill. 2,598,459, May 27.

Steinen, William, Newark, N. J. Handle construction for mirrors and toilet set articles. 2,597,905, May 27.

Steinen, William, Newark, N. J. Toilet set handle for mirror and back construction. 2,597,906, May 27.

Steiner, Waldo A., and S. W. Weller, Pittsburgh, Pa. Apparatus for the separation of gases by fractional permeation through membranes. 2,597,907, May 27.

Sterner, Olof F., Overlida, Sweden. Crate for eggs or other similar piece goods. 2,598,616, May 27.
Stetson China Company, assignee: *See*—
Baron, Fred.
Stevens, Leland J., Baltimore, Md., assignor to General Electric Company. Insulator cap. 2,598,460, May 27.
Stevens, Roy R., Forest Hills, Pa., assignor to Westinghouse Air Brake Company. Fluid pressure multiple clutch control equipment. 2,598,023, May 27.
Stewart, Harold R.: *See*—
Thaw, Wallace M., and Stewart.
Stewart, Harold R., Point Reyes Station, and W. M. Thaw, San Pablo, assignors to California Research Corporation, San Francisco, Calif. Production of lubricating oil. 2,597,908, May 27.
Stewart, Thomas D., New Kensington, Pa. Car mover. 2,598,197, May 27.
Stimler, Saul, Brooklyn, N. Y., assignor to Westinghouse Air Brake Company. Alternating electric current transformer. 2,598,617, May 27.
Stobb, Anton: *See*—
Huck, William F., and Stobb.
Stotz, John K.: *See*—
Holt, Gunnard T., and Stotz.
Stout, Charles R.: *See*—
Kilgore, Louis D., and Stout.
Strand, Russell S., Huntington Park, assignor to Continental Specialties Company, Ltd., Los Angeles, Calif. Independently operable multiple window structure. 2,598,619, May 27.
Strandlund, Jonas H.: *See*—
Modée, Gustav V. G., Strandlund, and Ek.
Straubel, Walter E.: *See*—
Gordon, Alexander M., and Straubel.
Strauss, Kate R., Bronx, assignor to Famous Bathrobe Co., Inc., New York, N. Y. Convertible garment. 2,598,462, May 27.
Strauss, Theodore O., New York, N. Y. Internal-combustion engine. 2,598,461, May 27.
Strollis, Edward A.: *See*—
Bastian, Theron E., and Strollis.
Stubnitz-Greene Spring Corporation, assignee: *See*—
Page, John W.
Studebaker Corporation, The, assignee: *See*—
Churchill, Harold E., and Hasbany.
Style Undies, Inc., assignee: *See*—
Tolkin, Irving N.
Suglian, Vinko V., assignee: *See*—
Kadesky, David.
Sun Oil Company, assignee: *See*—
Hill, Joseph B., and Ferris.
Johnson, Herbert L., and Bondhus.
Say, Theodore, and McKinney.
Super Tool Company, assignee: *See*—
Steffes, Milton J.
Superior Switchboard & Devices Company, The, assignee: *See*—
Espenschied, Wilbur L.
Surface Combustion Corporation, assignee: *See*—
Weaver, Ernest W.
Sutcliffe, Speakman & Company Limited, assignee: *See*—
Edwards, William E.
Swalinkavich, Joseph E., Jr., Robbinsdale, Minn. Floor sanding machine. 2,598,080, May 27.
Swartwout Company, The, assignee: *See*—
Meyer, Royal L.
Sway, Henry C., Bridgeport, Conn., assignor to General Electric Company. Electric blanket control. 2,598,081, May 27.
Sweet, Arthur D., Los Angeles, Calif. Suspended tie rack. 2,598,315, May 27.
Swift & Company, assignee: *See*—
Mink, Leon D.
Swift, John F., Ypsilanti, assignor to Ford Motor Company, Dearborn, Mich. Hydraulic torque transmitting device. 2,598,620, May 27.
Sylvania Electric Products Inc., assignee: *See*—
Doran, Robert F.
Syrovy, Gerald H., Swampscott, Mass., and J. W. Seaman, Kennett Square, Pa., assignors to General Electric Company. Time element electromagnetic device. 2,598,463, May 27.
T. & T. Vicars Limited, assignee: *See*—
Crosland, Edward M.
Taccone Pneumatic Foundry Equipment Corporation, assignee: *See*—
Taccone, Russell W.
Taccone, Russell W., assignor to Taccone Pneumatic Foundry Equipment Corporation, North East, Pa. Machine for blowing sand into molds. 2,598,621, May 27.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,597,909, May 27.
Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Journal box mounting. 2,598,082, May 27.
Tapner, Burton M., North Scituate, R. I., assignor to Welch Manufacturing Company. Movement unit for mechanical pencils. 2,598,083, May 27.
Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Interpolymers of a 2-alkenyl 2-alkenoate, a 2-alkenyl alcohol, and another copolymerizable monoolefinic compound. 2,598,316, May 27.
Taylor-Winfield Corporation, The, assignee: *See*—
Smith, Clyde E.
Taye, Richard V., Coral Gables, Fla. Pliers for straightening or pulling fish tape. 2,598,146, May 27.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparation of two-sided mosaic screens. 2,598,317, May 27.
Teal, Gordon K., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Thickening relatively thin apertured metallic screens. 2,598,318, May 27.
Technical Appliance Corporation, assignee: *See*—
Lippitt, Kendrick H.
Telefonaktiebolaget L. M. Ericsson, assignee: *See*—
Kjell, Knut, and Hullegård.
Tellier, Joseph C., Penn Wynne, assignor to Philco Corporation, Philadelphia, Pa. Angle modulated signal demodulator system. 2,598,084, May 27.
Terminal Warehouse Company, assignee: *See*—
Dickson, Benjamin A.
Tescher Corporation, assignee: *See*—
Tescher, Gordon L.
Tescher, Gordon L., assignor to Tescher Corporation, Anderson, Ind. Fuel feeding system. 2,598,147, May 27.
Thaw, Wallace M.: *See*—
Stewart, Harold R., and Thaw.
Thaw, Wallace M., San Pablo, and H. R. Stewart, Point Reyes Station, assignors to California Research Corporation, San Francisco, Calif. Production of lubricating oil from wax. 2,597,910, May 27.
Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Friction clutch plate. 2,597,911, May 27.
Thomas, Charles A., deceased, late of Fort Wayne, Ind., by J. M. Thomas, administratrix, Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,598,464, May 27.
Thomas, Edward B.: *See*—
Oxley, Horace F., Thomas, and Murfitt.
Thomas, Jeanne M., administratrix: *See*—
Thomas, Charles A.
Thomas, Raymond G., Monticello, Iowa. Vapor injector. 2,598,465, May 27.
Thompson, Joseph N., assignee: *See*—
Bailey, Revilo E.
Thompson Venetians, Inc., assignee: *See*—
Martin, Joseph K., and Doughty.
Throdahl, Monte C., St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Dustless composition for rubber compounding and making same. 2,598,319, May 27.
Thrush, H. A., & Company, assignee: *See*—
Thrush, Marquis O.
Thrush, Marquis O., assignor to H. A. Thrush & Company, Peru, Ind. Diverter valve. 2,598,148, May 27.
Tillman, David A.: *See*—
McCutchen, Joe K., and Tillman.
McCutchen, Joseph K., and Tillman.
Tilo Roofing Company, Inc., assignee: *See*—
Brown, John R., and Read.
Times Facsimile Corporation, assignee: *See*—
Carlson, Harold.
Shonnard, John R.
Tinker, Theodore B.: *See*—
Leo, Arnold G., and Tinker.
Todd, John H., Cleveland Heights, Ohio. Safety pin. 2,598,198, May 27.
Toledo Plate & Window Glass Company, The, assignee: *See*—
Jones, Norman B.
Tolkin, Irving N., Hewlett Harbor, assignor to Style Undies, Inc., New York, N. Y. Child's slip. 2,598,622, May 27.
Torrés Veliz, José, Habana, Cuba. Seal for nonrefillable bottles. 2,598,024, May 27.
Trico Products Corporation, assignee: *See*—
Rappl, Anton.
Trifari, Krussman and Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Troll, William A., Brooklyn, assignor to Emsig Manufacturing Company, New York, N. Y. Shank button feeder for button sewing machines. 2,597,912, May 27.
Turbyfill, Charles W., Marshall, Tex. Adjustable container. 2,598,320, May 29.
Turk, Walter E.: *See*—
Lubaznyski, Hans G., McGee, Turk, and Cassman.
Turner, William E., assignor to O. B. Andrews Company, Chattanooga, Tenn. Carton with easel-forming closure member. 2,598,149, May 27.
Turpin, Alexander J.: *See*—
Parker, Melvin J., and Turpin.
Tuttle, Charles D., Trenton, G. T. Larsen, Wyandotte, and L. J. Lamm, assignors to General Motors Corporation, Detroit, Mich. Electrostatic spray painting method and apparatus. 2,598,466, May 27.
Union Carbide and Carbon Corporation, assignee: *See*—
Harding, James.
Wagner, Robert L.
Winter, Lester L.
Union Special Machine Company, assignee: *See*—
Peterson, Albert C., Hayes, and Lukins.
United Shoe Machinery Corporation, assignee: *See*—
Butler, Ernest L., and Holmes.
Fredericksen, James P.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Borkowski, Casimer J., and Firminhac.
Miller, William T.
Miller, William T., and Fager.
U. S. Bottlers Machinery Company, assignee: *See*—
Risser, Ivan H.
United States Rubber Company, assignee: *See*—
Ladd, Elbert C., and Harvey.
Newman, Ferris E.
Romeyn, Hendrik, Jr., and McCleary.
Stander, Ruth L.
Tawney, Pliny O.
United States Steel Company, assignee: *See*—
Andrews, John W.
Darmara, Falih N.
Dilworth, David I.
Kirchner, George J., and Ottinger.
Long, Louis W.
Noll, Paul E., Crawford, Aller, and Rethey.
Offutt, John W.
Universal Oil Products Company, assignee: *See*—
Brown, Kenneth M., and Gerhold.
Cahill, John T., and Jandacek.
Gleim, William K. T.
Hunter, William K.
Linn, Carl B.
Upjohn Company, The, assignee: *See*—
Cookson, Leonard T.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Filament heating transformer having a variable output voltage. 2,598,321, May 27.
Vacha, Fred P., Auburndale, Mass., assignor, by mesne assignments, to National Pneumatic Co., Inc. Dynamoelectric machine. 2,598,623, May 27.
Van der Wolf, Rein W.: *See*—
Elenbaas, Willem, Kolkman, and van der Wolf.
Van der Woude, Philip J., New York, N. Y. Dental instrument. 2,598,624, May 27.
Van Dusen and Meyer, Incorporated, assignee: *See*—
Meyer, Edwin L.
Van Yseren, Ewoud A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Compensating means for variable inductances having magnetic cores. 2,598,467, May 27.
Vapor Recovery Systems Company, The, assignee: *See*—
Long, Frank V., Lee, Levi, and Keane.
Vaterrodt, Peter, Rutherford, and J. McNellis, Fairlawn, assignors to Botany Mills, Inc., Passaic, N. J. Production of cholesterol. 2,598,468, May 27.
Velluz, Leon, and G. Muller, assignors to Les Laboratoires Francais de Chimiotherapie, Paris, France. Derivative of estradiol and preparing it. 2,598,652, May 27.
Velsicol Corporation, assignee: *See*—
Kleiman, Morton.
Peters, Carl F.
Vickers-Armstrongs Limited, assignee: *See*—
Firman, Reginald A.
Vigren, Sten D. W. O. W. Broberg, and O. K. J. Olsson, Stockholm, Sweden. Contact support for crossbar switches. 2,598,085, May 27.
Vincent, William C.: *See*—
Zoerlein, Emil, Vincent, and Luce.
Vissac, Gustave A., Vancouver, British Columbia, Canada. Apparatus for drying wet granular materials. 2,598,199, May 27.
Vokes, Cecil G.; assignor to Vokes Limited, Guildford, England. Porous filter. 2,598,322, May 27.
Vokes Limited, assignee: *See*—
Vokes, Cecil G.
Von Kohorn, Henry, Westchester County, N. Y. Method and apparatus for producing staple fiber yarn. 2,598,086, May 27.
Von Korshenewsky, Nicolai, Stockholm, assignor to A. B. Strateg, Lidingo, Sweden. Rotor for homogenizers. 2,598,469, May 27.
Vutz, Wilhelm, Coldwater, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Elevator having reinforcing truss rods. 2,598,470, May 27.
Wagar, Harold K., Takoma Park, Md. Foil feeder for printing or embossing machines. 2,598,323, May 27.
Wagner, Robert L., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Thermochemical cutting and scarfing powder. 2,598,025, May 27.
Waite, Cyril W., Cleveland, Ohio. Illuminable artificial fishing bait. 2,598,471, May 27.
Waitkens, Frank: *See*—
Andrew, Charles, and Waitkens.
Walco, Inc., assignee: *See*—
Wallace, David A.
Waldorf Paper Products Company, assignee: *See*—
Guyer, Reynolds.
Guyer, Reynolds, and Hennessey.
Waley, Stephen G.: *See*—
Hanby, William E., Waley, and Watson.
Wallace, David A., Grosse Pointe Farms, assignor to Walco, Inc., Detroit, Mich. Hoisting apparatus. 2,598,200, May 27.
Wallace, David A., Grosse Pointe Farms, assignor to Walco, Inc., Detroit, Mich. Hoisting apparatus. 2,598,625, May 27.
Walsh, Harold G., assignor to Walsh Specialty Company, Inc., Lima, Ohio. Assembling a plurality of flat articles. 2,598,472, May 27.
Walsh Specialty Company, Inc., assignee: *See*—
Walsh, Harold G.
Walton, George, Cincinnati, Ohio. Cold process transfer coating compositions. 2,598,332, May 27.
Wander, Dr. A., A.-G., assignee: *See*—
Hirt, Rudolf.
Wangeman, Robert A., Sheboygan, Wis. Pie dough trimmer and sealer. 2,598,626, May 27.
War, United States of America as represented by the Secretary of, assignee: *See*—
Coleman, Paul D.
Everett, Franklin L.
Hickman, Clarence N.
Ward, Derrick A.: *See*—
Warner, Arthur R., and Ward.
Warner, Arthur R., London, and D. A. Ward, Beddington, England. Electric oscillation generator. 2,598,473, May 27.
Warner, Jesse J., Los Angeles, Calif. Phonograph having speaker pickup unit. 2,598,026, May 27.
Warshaw, Nathaniel, Newton, assignor to Market Forge Co., Everett, Mass. Lift truck. 2,598,151, May 27.
Wathon, Stanley W., Woodside, N. Y. Booklike holder for safety razor blades. 2,598,324, May 27.
Watson, James: *See*—
Hanby, William E., Waley and Watson.
Waugh, David F.: *See*—
Salo, Torsti P., and Waugh.
Wayman, Morris, and W. H. Rapson, Hawkesbury, Ontario, assignors to Canadian International Paper Company, Montreal, Quebec, Canada. Producing chlorine dioxide. 2,598,087, May 27.
Weaver, Ernest W., assignor to Surface Combustion Corporation, Toledo, Ohio. Furnace with sectional radiant tube. 2,598,474, May 27.
Webrib Steel Corporation, assignee: *See*—
De Fazi, Fulvio.
Webster, Joshua B., Fort Belvoir, Va. Fire foam nozzle. 2,597,913, May 27.
Weekes, Harold, Mataroa, Taihape, New Zealand. Supplying rubber rings to tools. 2,598,325, May 27.
Wehrli, Walter: *See*—
Iselin, Ernst and Wehrli.
Weir, James, and C. H. Dulin, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Fusion joining. 2,598,027, May 27.
Weiss, Arthur J., West Englewood, N. J., assignor to R. Gair Company, Inc., New York, N. Y. Folding carton. 2,598,627, May 27.
Welch, Geoffrey W., assignee: *See*—
Larson, Charles A.
Welch Manufacturing Company, assignee: *See*—
Tapner, Burton M.
Welded Products Limited, assignee: *See*—
Baldwin, Leslie B.
Welinsky, Irving H.: *See*—
Milliken, Thomas H., Jr., and Welinsky.
Weller, Sol W.: *See*—
Steiner, Waldo A., and Weller.
Wesp, George L.: *See*—
Fields, Joseph E., and Wesp.
Westcott Chuck Company, assignee: *See*—
Harvey, Jesse C.
Western Electric Company, Incorporated, assignee: *See*—
Adams, Robert T.
Hanson, Estyle D.
Kromer, Arthur P.
Weston Electrical Instrument Corporation, assignee: *See*—
Lamb, Anthony H.
Westinghouse Air Brake Company, assignee: *See*—
Bent, Arthur J.
Bone, Herbert L., and Woods.
Stevens, Roy R.
Stimler, Saul.
Westinghouse Electric Corporation, assignee: *See*—
Alsing, Carl F.
McCloy, Graham S.
Westwater, George: *See*—
Dulken, Charles F., Sonntag, and Westwater.
Wethe, Harry K., and R. H. Duncanson, Minneapolis, Minn., assignors, by mesne assignments, to Package Machinery Company, East Longmeadow, Mass. Container blank delivery mechanism. 2,598,150, May 27.
Wettstein, Albert, and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 21-substituted thioacetals of 20-oxo-pregnanes and 20-oxo-pregnenes. 2,598,653, May 27.
Wettstein, Albert and C. Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. 21-substituted thioenol ethers of 20-oxo-pregnanes and 20-oxo-pregnenes. 2,598,654, May 27.
Wheel Truing Brake Shoe Company, assignee: *See*—
MacDonald, Frederick W., and Lavrino.
White, Eric L. C., Iver, and E. A. Newman, London, assignors to Electric & Musical Industries Limited, Hayes, England. Negative feedback amplifier. 2,598,326, May 27.

White, Harold T., Jr., Darien, Conn., assignor to Raytheon Manufacturing Company, Newton, Mass. Antenna system. 2,598,475, May 27.
White, Wiley L., Calwa City, Calif. Multidelivery unit for improved train order delivery devices. 2,598,628, May 27.
Whitley, Harvey L., Fremont, N. C. Hay harvesting apparatus. 2,597,962, May 27.
Whitley, William: *See*—
Rosanski, Tony, and Whitley.
Whitney, William B.: *See*—
Bailey, Grant C., and Whitney.
Whitworth, Stanley J. L., London, and E. D. Brown, Northfield, assignors to Carrier Engineering Company Limited, London, England. Apparatus for spray painting vehicle bodies. 2,597,914, May 27.
Whyte, Daniel D., Brooklyn, N. Y. Sealed dispensing container and sealing the same. 2,598,629, May 27.
Wieland, Peter: *See*—
Miescher, Karl, and Wieland.
Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Bearing assembly. 2,598,476, May 27.
Wilberschied, Charles F., Cleveland, Ohio. Chuck attachment for boring tools. 2,598,477, May 27.
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and machine for cutting gears. 2,598,327, May 27.
Williams, Gethin, Oxford, and A. P. Fowler, London, England. Apparatus for treating vehicle bodies. 2,598,201, May 27.
Williams, Harry A.: *See*—
Fox, Florian J., and Williams.
Williman, José C., Montevideo, Uruguay. Optical reverser of photographic negatives. 2,598,328, May 27.
Wilson, Ernest, Los Angeles, Calif. Safety guard for hair straightening combs. 2,598,330, May 27.
Wilson, Harvey A., Brazoria, Tex. Offshore drilling platform and constructing same. 2,598,329, May 27.
Wilson, Harvey A., Brazoria, Tex. Offshore platform structure and erecting same. 2,598,088, May 27.
Wilson, Ronald A., Felixstowe, England. Radio-frequency inductance coils. 2,598,089, May 27.
Winberg, Glen W., Gamboa, C. Z. Back-pressure valve. 2,598,630, May 27.
Wingfoot Corporation, assignee: *See*—
Cousins, Edward.
Endres, Herbert A.
Hardman, Albert F.
Rogers, Thomas H., Jr.
Smith, Thomas G.
Winkler, De Loss E.: *See*—
Bradley, Theodore F., and Winkler.
Winter, Lester L., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Fluid impervious carbon article and making same. 2,597,963, May 27.
Winter, Lester L., Fairview Park, Ohio, assignor to Union Carbide and Carbon Corporation. Fluid impervious carbon article and making same. 2,597,964, May 27.
Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Speed controlled fuel system. 2,598,202, May 27.
Wolske, Lawrence E.: *See*—
Kamin, George W., and Wolske.
Wood, Browning P., Montreal, Quebec, Canada. Time computing and recording clock. 2,598,331, May 27.
Wood, John, Company, assignee: *See*—
Rostine, Carl A.
Wood, Marion L., Highland, assignor to International Business Machines Corporation, New York, N. Y. Stabilized trigger circuit. 2,598,631, May 27.
Woods, Robert A.: *See*—
Bone, Herbert L., and Woods.
Woolery Machine Company, assignee: *See*—
Gilmore, Lloyd J.
Worcester, Joseph A., Jr., Fairfield, Conn., assignor to General Electric Company. Degenerative feedback radio amplifying. 2,598,478, May 27.
Wraith, James W., Columbus, Ohio. Paint bucket holding device. 2,598,479, May 27.
Wright, John W., Bridgeport, Conn. Power-operated saw having oppositely reciprocating saw blades. 2598,480, May 27.
Wright Machinery Company, assignee: *See*—
Rappaport, Sigmund and Petrea.
Wright, Richard H., Bratenahl, and A. Zay, assignors to Guarantee Specialty Manufacturing Company, Cleveland, Ohio. Venetian blind rail connector. 2,598,152, May 27.
Wyandotte Chemicals Corporation, assignee: *See*—
Cox, Robert B.
Young, James F., Bridgeport, Conn., assignor to General Electric Company. Centrifugally operated motor speed governor. 2,598,481, May 27.
Yung, Ashun, Merchantville, and W. P. Lowden, Pitman, N. J., assignors to Radio Corporation of America. Moistureproof protective membrane material and making same. 2,598,090, May 27.
Yutzy, Henry C., and J. A. Leermakers, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilization of photographic emulsions sensitized with gold compounds. 2,597,915, May 27.
Zay, Anthony: *See*—
Wright, Richard H., and Zay.
Zerbe, Richard O., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. N-thio bis N-tetrahydrofurfuryl- and tetrahydrothenyl-amines. 2,598,333, May 27.
Ziuraitis, Antanas, Chicago, Ill. Illuminated compact. 2,598,153, May 27.
Zoerlein, Emil, Dearborn, W. C. Vincent, and E. J. Luce, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Engine mount. 2,598,632, May 27.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic plate inserter and ejector for embossing machines. P. R. Seward. Re. 23,508, May 27.
Comb, Haircutting. R. P. M. Davis. Re. 23,505, May 27.
Copolymeric siloxanes. A. J. Barry and J. W. Gilkey. Re. 23,502, May 27.
Ethyl alcohol, Producing and refining. R. L. Maycock and C. L. Dunn. Re. 23,507, May 27.
Scissors, Pinking. J. J. Carney. Re. 23,503, May 27.
Stripper and cleaner for meat tenderizing machines. A. L. Jackson. Re. 23,506, May 27.
Twisting yarn, Method of and apparatus for. H. C. Uhlig. Re. 23,509, May 27.
Vacuum head for filling containers with powders. C. F. Carter. Re. 23,504, May 27.

LIST OF PLANT INVENTIONS

Nectarine plant. H. C. Swim. 1,100, May 27.

LIST OF DESIGN INVENTIONS

Airplane. K. R. Bailey. 166,843, May 27.
Ash tray or similar article. H. Briggs. 166,847, May 27.
Cargo-carrying rotary wing aircraft and the like. G. G. Clewlow. 166,851, May 27.
Casing for a door closer. E. L. Schlage. 166,882–4, May 27.
Chair, Nesting. B. R. Weill. 166,893, May 27.
Cigarette holding and dispensing device. B. H. Brown. 166,848, May 27.
Coaster pad. M. E. Nye. 166,866, May 27.
Container for comestibles. R. D. Whitney. 166,894–5, May 27.
Corn buttering implement. J. Mesi. 166,865, May 27.
Cover for a vehicle wheel. C. A. McLeod. 166,863, May 27.
Dial. H. L. Reed. 166,874, May 27.
Door pull and latch for sliding doors, Combined. R. D. Mason. 166,862, May 27.
Fabric, Textile. H. Rose. 166,878–9, May 27.
File cabinet and desk or similar article, Combination. W. I. Lampel. 166,861, May 27.
File cabinet or similar article. W. I. Lampel. 166,860, May 27.
Fish lure. C. R. Handkamer. 166,855, May 27.
Gambrel. P. C. Mecum. 166,864, May 27.
Greeting card, Three-dimensional decorative. S. Robins. 166,876, May 27.
Head of a diagnostic instrument. J. T. Armbruster. 166,842, May 27.
Holder, Christmas tree. P. F. Vigna. 166,892, May 27.
Holder, Spoon. G. W. Candee. 166,849, May 27.
Knife and saw, Combined. P. P. Ruppe. 166,880, May 27.
Lamp base, Electric. D. Borowitz. 166,846, May 27.
Lamp or similar article. W. E. Adams. 166,839, May 27.
Letter opener. C. B. Woofter. 166,896–8, May 27.
Lighter, Table. W. J. Reilly. 166,875, May 27.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 166,877, May 27.
Molded food product. L. Peters. 166,869–73, May 27.
Necktie. C. T. Tinling. 166,891, May 27.
Nose and eye protector, Combined. E. D. Felch. 166,853, May 27.
Overshoe. A. C. Kolb. 166,859, May 27.
Packing article for fragile materials. E. L. Shepard. 166,886, May 27.
Phonograph, radio, television receiver cabinet, Combination. J. De Young, T. Petersen, and H. H. Steglich. 166,852, May 27.
Photographic flash unit. M. J. Carter. 166,850, May 27.
Roaster, Electric. G. H. Allgeyer. 166,841, May 27.
Scale, Postal. S. B. Hanssen and L. E. Hansen. 166,856, May 27.
Shoe or similar article, Lady's. A. Perugia. 166,867–8, May 27.
Shoe, Woman's. O. F. Stock. 166,890, May 27.
Stocking, Lady's. R. E. Schletter. 166,885, May 27.
Toy rabbit, Stuffed. T. Bonafide. 166,845, May 27.
Trailer. C. H. Becker. 166,844, May 27.
Trophy base. D. R. Fosler and R. Hansen. 166,854, May 27.
Tumbler or similar article. Z. Jezowski. 166,858, May 27.
Vending and display stand for hair cutters, Combination. A. N. Spanel. 166,887–8, May 27.
Wall plaque. D. Stec. 166,889, May 27.
Wall switch actuator. G. F. Russell. 166,881, May 27.
Wallet and purse, Combined. F. X. Hiltenbrand. 166,857, May 27.
Water closet and flush tank, Combined. F. C. Alexander. 166,840, May 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption refrigeration. W. L. Bulkley. 2,598,035, May 27.
Absorption refrigeration. O. J. Dall. 2,598,037, May 27.
Adducts, Preparing. J. Dazzi. 2,598,634–5, May 27.
Adhesive, Nonsolvent. R. A. Johnson. 2,597,996, May 27.
Adjustable container. C. W. Turbyfill. 2,598,320, May 27.
Adjustable mirror support. J. Garrett. 2,598,531, May 27.
Adjustable stroke dispensing pump. E. D. Minton. 2,598,188, May 27.
Adjustable support. J. E. Petrie. 2,598,596, May 27.
Advertising machine. M. Grossu. 2,597,985, May 27.
Affixing condenser tap straps to mounting strip material. C. E. Marks. 2,597,885, May 27.
Agglomerates, Making. T. W. Bartram. 2,598,209, May 27.
Agglomerates for rubber compounding and product thereof, Making. K. E. Creed, Jr. 2,598,229, May 27.
Agitating apparatus. R. J. Burke. 2,598,500, May 27.
Air-borne radio relaying system. N. E. Lindenblad. 2,598,064 May 27.
Air-cooling attachment for warm air furnace systems. S. J. Levine. 2,598,397, May 27.
Aircraft gun turret. C. H. Davies. 2,598,231, May 27.
Airplane propeller. H. J. Kammandel. 2,597,998, May 27.
Air preheater for furnaces. C. A. Larson. 2,598,395, May 27.
Alternating electric current transformer. S. Stimler. 2,598,617, May 27.
Altitude controlling autopilot for aircraft. J. Nash. 2,597,892, May 27.
Aminophosphono-halo-alkanals and preparation thereof. E. C. Ladd and M. P. Harvey. 2,597,938, May 27.
Amplifier, Negative feedback. E. L. C. White and E. A. Newman. 2,598,326, May 27.
Angle modulated signal demodulator system. J. C. Tellier. 2,598,084, May 27.
Animal trap. T. E. McCormick. 2,598,007, May 27.
Antenna system. H. T. White, Jr. 2,598,475, May 27.
Antiskid device for vehicle tires. L. J. Pindjak. 2,598,298, May 27.
Apparatus and method of rapid production and harvesting of ice. G. L. Pownall. 2,598,429–30, May 27.
Apparatus for affixing condenser tap straps to mounting strip material. A. L. Hogue and G. E. Hamilton. 2,597,868, May 27.
Apparatus for affixing condenser tap straps to mounting strip material. C. E. Marks. 2,597,884, May 27.
Apparatus for applying a coating band to moving articles. R. E. J. Nordquist. 2,597,893, May 27.
Apparatus for cementing well casings. F. H. Lee. 2,598,396, May 27.
Apparatus for cleaning or treating clothes or the like. W. E. Edwards. 2,598,366, May 27.
Apparatus for continuously coiling elongated filaments. E. D. Hanson. 2,598,537, May 27.
Apparatus for controlling die operations. W. R. Place. 2,598,427, May 27.
Apparatus for destroying ground moles. J. R. Cassell. 2,598,352, May 27.
Apparatus for drying wet granular materials. G. A. Vissac. 2,598,199, May 27.
Apparatus for feeding and distributing electrical cordage. R. T. Adams. 2,598,485, May 27.
Apparatus for handling bars. M. Morgan. 2,597,944, May 27.
Apparatus for hot pressing powdered metals. L. D. Richardson, Sr. 2,598,015–16, May 27.
Apparatus for making metal strips. R. M. Brennan. 2,598,344, May 27.
Apparatus for making V belts. J. L. Fihe and J. W. Huff. 2,598,158, May 27.
Apparatus for measuring intensity of magnetic fields. G. Muffly. 2,598,284, May 27.
Apparatus for molding concrete pipes. H. F. Kennison. 2,597,934, May 27.
Apparatus for painting motorcar bodies. A. P. Fowler. 2,598,246, May 27.
Apparatus for placing beams in baling presses. G. A. Seidel. 2,598,075, May 27.
Apparatus for production of carbon black. G. L. Heller. 2,597,992, May 27.
Apparatus for recording movement. R. J. Hill. 2,598,541, May 27.
Apparatus for sharpening lawn mowers. W. J. Pine. 2,598,069, May 27.
Apparatus for spray painting vehicle bodies. S. J. L. Whitworth and E. D. Brown. 2,597,914, May 27.
Apparatus for the manufacture of steel reinforcing bar for concrete structures and the like. F. De Fazi. 2,598,039, May 27.
Apparatus for the separation of gases by fractional permeation through membranes. W. A. Steiner and S. W. Weller. 2,597,907, May 27.
Apparatus for the treatment of external surfaces of cans. A. M. Olson. 2,597,946, May 27.
Apparatus for treating vehicle bodies. G. Williams and A. P. Fowler. 2,598,201, May 27.
Apparatus for use in scribing wiper blanks. E. L. Butler and O. M. Holmes. 2,597,972, May 27.
Apparatus for vulcanizing endless belts. R. R. Ambler. 2,598,655, May 27.
Applying a discontinuous coating to fabric. A. S. Jones and G. B. Stackpole. 2,598,264, May 27.
Aqueous dispersions of water-insoluble organic polymers containing colloidal silica. R. K. Iler. 2,597,872, May 27.
Arc welding mechanism. O. R. Smith. 2,598,076, May 27.
Area identification system. W. J. O'Brien. 2,598,290, May 27.
Armrest for vehicles. P. M. Prosser. 2,598,299, May 27.
Aromatizing hydrocarbons with metal fluoride catalyst in presence of oxygen and hydrogen fluoride. F. R. Hurley. 2,598,642, May 27.
Article holder for automobile visors. J. W. Baldwin. 2,598,029, May 27.
Article ejector and stop means. E. F. Brill and O. W. Schroeder. 2,598,156, May 27.
Aryloxyalkyl halides, Production of. W. K. T. Gleim. 2,598,049, May 27.
Ash tray. C. A. Jinks. 2,598,175, May 27.
Assembling a plurality of flat articles. H. G. Walsh. 2,598,472, May 27.
Assembling and connecting nonlinear resistance elements. G. T. Baker. 2,598,097, May 27.
Attenuating apparatus. C. P. Batista. 2,597,850, May 27.
Automatic cylindrical printing apparatus. E. Fuchs. 2,598,047, May 27.
Automatic impulse sender. D. B. Parkinson. 2,597,898, May 27.
Automatic positive pressure breathing machine. L. G. Fox. 2,598,525, May 27.
Automatic transmission. S. S. and A. A. Cross. 2,597,854, May 27.
Automatic volume control system. A. W. Donelson. 2,598,237, May 27.
Automobile cigarette case. J. J. Hellman. 2,597,990, May 27.
Auxiliary fluid supply valve. C. B. Pierce. 2,598,598, May 27.
Azo dyestuffs and making same. E. Iselin and W. Wehrli. 2,598,126, May 27.
Baby carrier and utility bag, Combination. J. W. Phillips. 2,597,948, May 27.
Back-pressure valve. G. W. Winberg. 2,598,630, May 27.
Bag closure. F. Ahlburg. 2,598,334, May 27.
Balance control for metal detection and inspection equipment. B. R. Gossick. 2,598,252, May 27.
Balanced phase detector. W. J. Gruen. 2,598,370, May 27.
Base former. A. J. Shippey. 2,598,194, May 27.
Basic esters of α,α-diaryl-α-alkoxy-acetic acids, Manufacture of. R. Hirt. 2,598,542, May 27.
Batten cleat protector. H. J. Moore. 2,597,945, May 27.
Bearing assembly. L. W. Wightman. 2,598,476, May 27.
Bearing assembly for disk harrows. R. McCullough. 2,597,942, May 27.
Bearing seal. G. Augereau. 2,598,094, May 27.
Bearing seal assembly. H. E. Adams. 2,598,484, May 27.
Bedclothes support. C. W. Pelton. 2,598,295, May 27.
Belt hanger. H. Gilbert. 2,598,614, May 27.
β-(alkyl mercapto) ethyl chloride, Producing. J. K. Fincke. 2,598,640, May 27.
Billfold. C. A. Anderson. 2,597,967, May 27.
Binder. C. E. Emmer. 2,598,044, May 27.
Biscuitmaking and the like machinery. E. M. Crosland. 2,598,510, May 27.

Bit: *See*—
Rock bit.
Bleaching or brightening a web of mixed fibers. R. L. McEwen and F. R. Sheldon. 2,598,580, May 27.
Block printing surface coverings. H. S. Humphreys. 2,598,386, May 27.
Blowgun. L. K. Niemann. 2,598,417, May 27.
Board: *See*—
Collating writing board.
Boat and trailer assembly, Combination. R. E. Somers. 2,598,458, May 27.
Bobby pin. B. K. Snyder. 2,598,456, May 27.
Bonding apparatus. J. L. Davis. 2,598,363, May 27.
Bookholder, Self-adjusting. T. J. Flahive. 2,598,368, May 27.
Book match dispenser. B. H. Locke. 2,597,940, May 27.
Boot with thick resilient insole, Invalid's. H. J. Bronson. 2,598,217, May 27.
Bottle filling machine with conveyer for conveying bottles to an elevator and pusher for pushing bottles from elevator to filling position. L. T. Cookson. 2,597,852, May 27.
Bottle stopper, Dispensing. J. Macey. 2,598,403, May 27.
Bracket: *See*—
Lantern bracket.
Brake and inching control mechanism for mechanical presses. L. B. Baldwin. 2,598,633, May 27.
Brake cylinder device, Fluid pressure. A. J. Bent. 2,597,917, May 27.
Brake for fishing reels, Momentum controlled. C. L. Hunsicker. 2,598,387, May 27.
Brake operating mechanism. G. R. Roesch. 2,598,133, May 27.
Brake shoe. B. E. House. 2,598,545, May 27.
Breast pad structure. A. G. Leo and T. B. Tinker. 2,598,003, May 27.
Buckle, Belt. G. Grandi. 2,598,369, May 27.
Buffing and polishing machine, Rotary. L. H. Burnham. 2,597,971, May 27.
Button feeder for button sewing machines, Shank. W. A. Troll. 2,597,912, May 27.
Cam for time clocks, Adjustable. P. Fehr. 2,597,928, May 27.
Can dumping apparatus and the like. V. Schwarzkopf. 2,598,193, May 27.
Candle-simulating fluorescent lighting fixture. C. E. Hays. 2,598,054, May 27.
Cap: *See*—
Insulator cap.
Capacitive coupling assembly. E. M. Ostlund. 2,597,897, May 27.
Capacity-meter for measurement of low electric capacitance values. H. F. Mataré, G. Calon, and P. Philippoteaux. 2,598,576, May 27.
Car mover. T. D. Stewart. 2,598,197, May 27.
Carbon black manufacture. G. L. Heller. 2,597,991, May 27.
Carburetor. E. H. Shaff. 2,598,450, May 27.
Carpet sweeper having an automatically driven dust remover. W. A. Sherbondy. 2,598,611, May 27.
Carrier package. R. Guyer and R. J. Hennessey. 2,598,051, May 27.
Carton closing and flap tucking machine. J. M. Schmied. 2,598,135, May 27.
Carton, Folding. A. J. Weiss. 2,598,627, May 27.
Carton opening machine. A. G. Rose and J. Paige. 2,598,071, May 27.
Carton-sealing and handling machine. J. D. Conti. 2,597,922, May 27.
Carton, Tissue dispensing. R. Guyer. 2,598,050, May 27.
Carton with easel-forming closure member. W. E. Turner. 2,598,149, May 27.
Case: *See*—
Automobile cigarette case. Music stand utility case.
Key case.
Casing support for meat processing units. A. L. Jackson. 2,598,549, May 27.
Casket seal structure. B. F. Paul. 2,598,422, May 27.
Casting core removal. T. H. Oster. 2,597,896, May 27.
Catalytic cracking of hydrocarbon oil. T. Say and J. F. McKinney, Jr. 2,598,309, May 27.
Centrifugal apparatus for segregating constituents of different specific gravities. M. Galmiche. 2,598,118, May 27.
Ceramic spark arrester. J. P. Richtarsic. 2,598,603, May 27.
Certain oxyalkylated derivatives of trinuclear aromatic compounds and making same. M. de Groote and B. Keiser. 2,598,234, May 27.
Chair convertible into satchel, Baby. C. J. Hume. 2,598,385, May 27.
Check valve. G. Hansen. 2,598,122, May 27.
Check valve and strainer, Combined. T. C. O'Donnell. 2,598,131, May 27.
Check valve construction. J. D. Langdon. 2,598,002, May 27.
Chlordane, Production of. M. Kleiman. 2,598,561, May 27.
Chlorine dioxide, Producing. M. Wayman and W. H. Rapson. 2,598,087, May 27.
Cholesterol, Production of. P. Vaterrodt and J. McNellis. 2,598,468, May 27.
Chuck attachment for boring tools. C. F. Wilberschied. 2,598,477, May 27.
Chuck wrench ejector. J. W. Goff. 2,598,119, May 27.
Circuit: *See*—
Power amplifier circuit. Stabilized trigger circuit.
Circuit controlling apparatus. V. Durbin. 2,598,519, May 27.
Circuit controlling device. R. L. Konle and C. W. Kuhn. 2,598,563, May 27.
Clasp, Expansible jewelry. A. Philippe. 2,598,597, May 27.
Clip: *See*—
Metallic door frame securing clip.
Clip for garments or the like. R. L. Ranl. 2,598,600, May 27.
Clock, Time computing and recording. B. P. Wood. 2,598,331, May 27.
Closure cap lining machine. C. Andrew and F. Waitkens. 2,598,028, May 27.
Closure guard for coin boxes. A. M. Gordon and W. E. Straubel. 2,598,533, May 27.
Clothes hanger holder and carrier, Portable. S. Kaplan and L. Stark. 2,598,643, May 27.
Coated ferromagnetic core element. F. H. Gusdorf. 2,598,371, May 27.
Coating vehicle bodies, Method and apparatus for. J. H. C. Halls. 2,598,163, May 27.
Cold process transfer coating compositions. G. Walton. 2,598,332, May 27.
Collagenous materials, Preparation of. T. P. Salo and D. F. Waugh. 2,598,608, May 27.
Collar and cravat, Combination. J. G. Helm. 2,598,539, May 27.
Collating writing board. R. Connor. 2,598,358, May 27.
Color picture transmission and reproduction. H. Carlson. 2,598,504, May 27.
Combined fractionation heating and liquid level control means. J. T. Cahill and G. W. Jandacek. 2,598,036, May 27.
Commodity package. G. H. Harry. 2,598,373, May 27.
Compact, Illuminated. A. Ziuraitis. 2,598,153, May 27.
Compensating means for variable inductances having magnetic cores. E. A. van Yzeren. 2,598,467, May 27.
Composition of matter comprising a thermosetting cashew nut shell oil modified phenol-formaldehyde resin, a rubbery copolymer of butadiene and acrylonitrile, and diatomaceous earth. F. E. Newman. 2,598,289, May 27.
Compounds of the androstane series, Production of. K. Miescher and P. Wieland. 2,598,648, May 27.
Compressed gas container with reducing valve and auxiliary opening means therefor. E. Gagnan and J. Y. Cousteau. 2,598,248, May 27.
Computing device. J. B. Gehman. 2,598,250, May 27.
Conditioning yarn, thread, and the like. C. F. Dulken, H. C. Sonntag, and G. Westwater. 2,598,239, May 27.
Connector: *See*—
Venetian blind rail connector.
Construction of air and gas heater. J. Janson. 2,598,262, May 27.
Contact support for crossbar switches. S. D. Vigren, W. O. W. Broberg, and O. K. J. Olsson. 2,598,085, May 27.
Container: *See*—
Adjustable container. Egg shipping container.
Egg container.
Container. J. A. Hollinshead. 2,598,123, May 27.
Container blank delivery mechanism. H. K. Wethe and R. H. Duncanson. 2,598,150, May 27.
Container for shipment of eggs. H. C. Reeser. 2,597,846, May 27.
Container weighing machine with buoyant liquid weighing medium. R. E. J. Nordquist. 2,597,894, May 27.
Containers, Making. R. L. Halstead. 2,597,986, May 27.
Continuous conversion and coking of heavy liquid hydrocarbons. W. K. Hunter. 2,598,058, May 27.
Continuous rotary drum thickener. C. S. Robison, Jr. 2,598,606, May 27.
Control of the steam generation in electric steam boilers. G. V. Berg and N. J. Hallman. 2,598,490, May 27.
Control switch of the push-push type. A. Simoni. 2,598,613, May 27.
Control system. P. S. Dickey and A. J. Hornfeck. 2,598,236, May 27.
Control system for taxicab meters. O. Butler. 2,598,348, May 27.
Control valve. P. E. Noll, C. W. Crawford, T. D. Aller, and A. R. Rethey. 2,598,590, May 27.
Controllable spray dispenser. A. O. Samuels and S. Kahn. 2,598,308, May 27.
Conversion of hydrocarbon disulfides to sulfonyl chlorides. W. A. Proell, W. B. Chilcote, and B. H. Shoemaker. 2,598,014, May 27.
Conveyer apparatus. O. Grosvenor. 2,597,930, May 27.
Cooling sulfur burner gas. H. A. du Bois. 2,598,116, May 27.
Copolymers of perfluoropropane and tetrafluoroethylene and making same. W. T. Miller. 2,598,283, May 27.
Coupling: *See*—
Rotary hydraulic coupling. Valved pipe coupling.
Cover: *See*—
Wheel cover.
Cover glass assembly. H. R. Kiehl. 2,597,935, May 27.

Cover sealing means for cooking utensils. O. M. Burkhardt. 2,598,220, May 27.
Covering for textile machinery rollers. A. L. Freedlander. 2,597,858, May 27.
Crate, Banana. G. J. Schmitz. 2,598,136, May 27.
Crate for eggs or other similar piece goods. O. F. Sterner. 2,598,616, May 27.
Cross-linked polymeric materials and making same. C. S. Marvel. 2,598,407, May 27.
Crown cap feeding means. J. W. Hoffecker. 2,598,380, May 27.
Cuff link, Reversible front. W. H. Meeker. 2,597,887, May 27.
Cuff link, Reversible front. W. H. Meeker. 2,598,281, May 27.
Cutter: *See*—
Sheet metal cutter. Tie cutter.
Cutting disk for lawn mowers. J. F. Ahigrim. 2,598,091, May 27.
Cutting gears, Method and machine for. E. Wildhaber. 2,598,327, May 27.
Cutting tool. P. M. McKenna and W. L. Kennicott. 2,598,581, May 27.
Cutting tool. O. W. Roth. 2,598,443, May 27.
Cyclic carbinols. C. B. Linn. 2,597,842, May 27.
Cyclopentadiene-resinous material reaction products, Production of. C. F. Peters. 2,598,425, May 27.
Cyclopentadiene-tall oil compositions, Production of. C. F. Peters. 2,598,424, May 27.
Cyclopentenyl carbinols. C. B. Linn. 2,597,843, May 27.
Dairy products and process thereof, Packaged. M. R. Coe. 2,598,506, May 27.
Data conversion system. D. H. Gridley. 2,597,866, May 27.
Data writing machine. T. A. Federwitz. 2,598,523, May 27.
Deflection coil arrangement in cathode-ray tubes. W. Reinhard. 2,598,303, May 27.
Defrosting refrigeration apparatus. G. S. McCloy. 2,598,408, May 27.
Degenerative feedback radio amplifying system. J. A. Worcester, Jr. 2,598,478, May 27.
Dehydration of castor oil. R. J. Carter and M. Bristow. 2,598,108, May 27.
Demodulating circuits. R. D. McCoy. 2,597,886, May 27.
Deodorizer. C. H. MacFarland. 2,598,129, May 27.
Derivative of estradiol and preparing it. L. Velluz and G. Muller. 2,598,652, May 27.
Derrick construction, Three leg. H. W. Slater. 2,597,958, May 27.
Desulfurization of hydrocarbon gases. K. M. Brown and C. G. Gerhold. 2,598,034, May 27.
Device for controlling movement of pipes or the like along a roller conveyer. L. W. Long. 2,597,941, May 27.
Device for marking and ejecting elongated articles. D. I. Dilworth. 2,598,114, May 27.
Device for outdoor heating. H. R. Holman and B. C. Barnes. 2,598,544, May 27.
Device for the magnetic deflection of cathode-ray tubes. W. Reinhard. 2,598,302, May 27.
Devotional package. H. Randall. 2,598,070, May 27.
Diazotype composition for siliceous surface. S. C. Slifkin. 2,598,453, May 27.
Dictating machine transcribing apparatus with extension arm. F. J. Fox and H. A. Williams. 2,598,045, May 27.
Differential inertia speed responsive device. W. W. Hamill. 2,598,164, May 27.
Di(1,4 diamino-2-arylketone anthraquinone) amides of aromatic dicarboxylic acids. E. Moergeli. 2,598,587, May 27.
Directional switch. D. C. Reek. 2,598,440, May 27.
Disappearing door safe. H. L. Henkel. 2,598,255, May 27.
Discharge conveyer attachment for potato diggers. L. R. Chase. 2,598,223, May 27.
Discharge conveyer for excavating machines. A. R. Askue. 2,598,339, May 27.
Disk harrow, Lift type. J. A. Love. 2,598,400, May 27.
Dispenser: *See*—
Book match dispenser.
Controllable spray dispenser.
Dispensing cap for collapsible tubes. H. Abrams. 2,598,482, May 27.
Dispersing high-boiling liquids in gases. H. L. Richardson. 2,598,304, May 27.
Display device. D. Rosenthal, R. W. Adler, and J. Nathan. 2,598,019, May 27.
Distributing valve. J. D. Robinson. 2,598,605, May 27.
Distributor head, Moistureproof. M. Guiot. 2,598,162, May 27.
Ditcher. T. J. Denning. 2,598,514, May 27.
Diverter valve. M. O. Thrush. 2,598,148, May 27.
Domestic appliance drive. K. Clark. 2,598,110, May 27.
Door latch. S. R. Fralm. 2,598,526, May 27.
Door latching mechanism. F. A. Melzer. 2,598,582, May 27.
Door or closure. G. E. O'Hearn, Jr., and H. D. Hach. 2,598,419, May 27.
Drainage valve. M. Dach. 2,598,361, May 27.
Drawbench. J. W. Offutt. 2,598,190, May 27.
Drier: *See*—
Elevating clothes drier.
Drill: *See*—
Masonry drill.
Drill grinding machine. H. F. B. Högfors. 2,598,055, May 27.
Drilling apparatus. J. C. Curtis. 2,598,112, May 27.
Drilling apparatus. E. A. Smith. 2,598,454, May 27.
Drilling attachment for riveting machines. F. A. Boyle. 2,598,106, May 27.
Dry cell and separator therefor. J. J. Coleman. 2,598,226, May 27.
Dry cleaning apparatus. J. Longmuir. 2,598,571, May 27.
Dry shaving apparatus. L. O'Russa. 2,598,292, May 27.
Drying a silica-zirconia hydrogel containing an alkali salt. T. H. Milliken, Jr., and I. H. Welinsky. 2,597,889, May 27.
Duck caller. G. L. Kendrick. 2,598,268, May 27.
Duct static pressure control. R. E. Bailey. 2,598,208, May 27.
Dustless composition for rubber compounding and making same. M. C. Throdahl. 2,598,319, May 27.
Dynamoelectric machine. C. A. Thomas. 2,598,464, May 27.
Dynamoelectric machine. F. P. Vacha. 2,598,623, May 27.
Earth drill with fluid pressure feed, Rotary. W. L. Acker, Jr. 2,598,203, May 27.
Earthworking implement. F. W. Schaller. 2,597,954, May 27.
Egg container. H. C. Reeser. 2,597,848, May 27.
Egg shipping container. H. C. Reeser. 2,597,845, May 27.
Elastic top for hosiery. N. H. Smith. 2,598,144, May 27.
Electric ballast. H. W. Lord. 2,598,399, May 27.
Electric blanket control. H. C. Sway. 2,598,081, May 27.
Electric circuit comprising electric discharge device. J. M. Ferguson and C. Brown. 2,597,980, May 27.
Electric data processor. G. L. Betts. 2,598,155, May 27.
Electric discharge device. W. Elenbaas, D. Kolkman, and R. W. Van Der Wolf. 2,598,241, May 27.
Electric oscillation generator. A. R. Warner and D. A. Ward. 2,598,473, May 27.
Electric player for carillons, Disk operated. A. Marra. 2,598,574, May 27.
Electric switch. F. Houšť. 2,598,546, May 27.
Electric switch. A. L. Judson. 2,598,556, May 27.
Electrical control mechanism. R. H. Long. 2,598,184, May 27.
Electrical precipitator. G. E. Andrews. 2,598,337, May 27.
Electrolytic apparatus. R. B. Cox. 2,598,228, May 27.
Electrolytic tin plating baths. J. W. Andrews. 2,598,486, May 27.
Electromagnetic switching device for controlling electric circuits. F. Kesselring. 2,597,873, May 27.
Electron discharge device suitable for use as television transmitting tubes. H. G. Lubszynski, J. D. McGee, W. E. Turk, and H. Cassmann. 2,598,401, May 27.
Electronic lobing. J. H. Greig. 2,597,862, May 27.
Electrostatic spray painting method and apparatus. C. D. Tuttle, G. T. Larsen, and L. J. Lamm. 2,598,466, May 27.
Elevating clothes drier. W. H. Butler. 2,598,502, May 27.
Elevating means for vehicle beds. R. O. Bill. 2,598,031, May 27.
Elevator having reinforcing truss rods. W. Vutz. 2,598,470, May 27.
Emulsion polymerization process. H. Romeyn, Jr., and C. D. McCleary. 2,597,951, May 27.
Enamel coated articles and making same. R. Brown. 2,598,498, May 27.
Energy translating device. H. T. Hoffman. 2,598,258, May 27.
Engine: *See*—
Internal-combustion engine.
Engine mount. E. Zoerlein, W. C. Vincent, and E. J. Luce. 2,598,632, May 27.
Enteric coated pyranisamine. W. C. Gakenheimer. 2,598,530, May 27.
Entrance for chutes of coin-operated devices. J. B. Pillatsch. 2,598,010, May 27.
Escapement mechanism. R. H. Scott and A. S. Hayward. 2,597,955, May 27.
Escapement mechanism of typographical composing machines. R. H. Scott and A. S. Hayward. 2,597,956, May 27.
Esterified 4-vinylcyclohexene. H. L. Johnson and F. J. Bondhus. 2,598,263, May 27.
Extractor: *See*—
Orange juice extractor.
Fastener: *See*—
Plug fastener.
Faucet. O. Clonts. 2,598,224, May 27.
Filament heating transformer having a variable output voltage. G. L. Usselman. 2,598,321, May 27.
Filling detecting device for looms. J. H. Chapman. 2,598,353, May 27.
Film gate for motion-picture projectors. R. F. A. d'Avitaya. 2,598,364, May 27.
Filter: *See*—
Porous filter.
Rubber hydrochloride air filter.
Filter. T. E. Beacham. 2,598,210, May 27.

Filter sheet. D. C. Knowlton. 2,598,061, May 27.
Fin elements, Making. M. P. Penn. 2,598,191, May 27.
Fire extinguisher, Automatic. A. P. Kromer. 2,598,273, May 27.
Fire hose. T. G. Smith. 2,598,022, May 27.
Fish lure. G. A. Cummins. 2,598,360, May 27.
Fish lure. J. F. Fitzgerald. 2,597,982, May 27.
Fish lure, Artificial. E. A. Prieur. 2,598,012, May 27.
Fish scaling device. G. E. Corbin. 2,598,509, May 27.
Fishing bait, Illuminable artificial. C. W. Waite. 2,598,471, May 27.
Fishing bobber. D. H. Hodges. 2,598,378, May 27.
Fishing line float, Automatic hooksetting. M. Shukites. 2,598,140, May 27.
Fishing pole holder. E. W. Schwanke. 2,598,021, May 27.
Fixing hollow rivets and the like. J. Gobin. 2,597,984, May 27.
Fatiron supporting and cleaning device. C. Butera. 2,598,347, May 27.
Flexible connection. G. J. Kirchner and H. Ottinger. 2,598,181, May 27.
Flooring sanding machine. J. E. Swallinkavich, Jr. 2,598,080, May 27.
Flow regulator, pressure relief valve and the like. R. E. Krueger, III. 2,598,274, May 27.
Fluid actuated electric circuit breaker. H. N. Schneider. 2,598,446, May 27.
Fluid impervious carbon article and making same. L. L. Winter. 2,597,963–4, May 27.
Fluid pressure actuated switch. G. H. Hansen. 2,598,536, May 27.
Fluid pressure multiple clutch control equipment. R. R. Stevens. 2,598,023, May 27.
Fluidizing slag in the manufacture of steel by open-hearth and electric furnace processes. J. J. Bowden. 2,597,851, May 27.
Flush tank inlet valve. H. F. Smith. 2,598,195, May 27.
Foil feeder for printing or embossing machines. H. K. Wagar. 2,598,323, May 27.
Food compositions and producing same. D. Melnick. 2,598,282, May 27.
4-(1,2-dihydroxyethyl)-1,3-dioxane. O. C. Dermer and W. J. Nelson. 2,598,040, May 27.
4-dialkylaminophthalic anhydride. C. S. Adams. 2,597,965, May 27.
Freight car unloading machine. T. A. Clarke. 2,597,974, May 27.
Freight stabilizing cleat. W. T. Peyton. 2,598,068, May 27.
Friction clutch plate. W. V. Thelander. 2,597,911, May 27.
Fruit juice extraction. E. R. Odom and H. T. Lannen. 2,598,418, May 27.
Fruit stuffing machine. W. Hungate. 2,597,933, May 27.
Fuel feeding system. G. L. Tescher. 2,598,147, May 27.
Fuel injection apparatus. L. O. French. 2,598,528, May 27.
Furnace with sectional radiant tube. E. W. Weaver. 2,598,474, May 27.
Furniture frame construction, Steel and wood. G. L. Gerber and H. E. Lee. 2,597,860, May 27.
Fuse detonating mechanism. F. L. Everett. 2,598,157, May 27.
Fusion joining. J. Weir and C. H. Dulin. 2,598,027, May 27.
Game, Fishing. L. J. Anechiarico. 2,598,487, May 27.
Garment, Convertible. K. R. Strauss. 2,598,462, May 27.
Garment with side reinforcements and making same, Side seamed shoulder supported. W. D. Humphlett. 2,598,172, May 27.
Gas-expanded plastic materials, Preparation of. R. L. Stander. 2,598,077–8, May 27.
Gas shutoff device for printing presses, Automatic. W. F. Burke and R. L. Essex. 2,598,346, May 27.
Gaseous tube selecting switch for use in automatic telephony. K. Käell and E. W. Hullegård. 2,598,392, May 27.
Gasket. E. Cousins. 2,597,976, May 27.
Gate: *See*—
Variable-speed signaling crossing gate.
Gauge: *See*—
Wheel alignment gauge.
Gear: *See*—
Variable-speed gear.
Generator: *See*—
Electric oscillation generator. Oscillation generator.
Peaked pulse generator.
Glass grinding machine. A. Marchand. 2,598,405, May 27.
Goggle. A. K. Jones. 2,598,265, May 27.
Golf bag cart, Collapsible. V. M. Frey. 2,598,046, May 27.
Grain puffing machine. R. H. Ernest. 2,598,242, May 27.
Granulation of phosphatic fertilizers. J. T. Procter and A. Ogilvie. 2,598,658, May 27.
Grass catcher for lawn mowers. J. O. Holden. 2,598,382, May 27.
Grease, Making. G. C. Bailey and W. B. Whitney. 2,598,154, May 27.
Grindstone wheel dresser. A. J. Engle. 2,598,637, May 27.
Guard for toilet bowls. H. and L. Hoffman. 2,597,543, May 27.
Gun perforator. L. Spencer, 2,598,651, May 27.
Gun recoil absorbing mechanism. G. O. Rockwell. 2,598,017, May 27.
Gun sling securing device. H. O. Smith. 2,598,143, May 27.
Hammer, Magnetic nail-holding. Y. H. Kurkjian. 2,597,876, May 27.
Hand stamp, Selective folding. G. T. Brown, Jr. 2,597,919, May 27.
Handle attachment for brushes. A. La Barre. 2,598,063,
Handle construction for mirrors and toilet set articles. W. Steinen. 2,597,905, May 27.
Handle for heated vessels, Detachable insulated. G. Lemetre. 2,598,568, May 27.
Hanger: *See*—
Belt hanger. Sash hanger.
Harvesting apparatus, Hay. H. L. Whitley. 2,597,962, May 27.
Heat control for engine manifolds, Automatic. E. S. Dahl. 2,597,977, May 27.
Heat exchanger bearing arrangement. P. Kolb. 2,598,182, May 27.
Heat insulating material. M. Baxter. 2,598,102, May 27.
Heater: *See*—
Panel-type heater.
Heater for electric toasters. H. L. Olson, W. F. Hale and R. A. Miller. 2,598,592, May 27.
Heating device for electric discharge tubes. P. Lemaigre-Voreaux. 2,598,567, May 27.
Hemmed article and making the same. J. P. Enos. 2,598,638, May 27.
Hexahydrobenzylamine salt of penicillin. D. E. Cooper. 2,598,508, May 27.
High-frequency attenuating device. W. W. Hansen. 2,597,867, May 27.
High-gain directionalized antenna. K. H. Lippitt. 2,598,005, May 27.
High-speed photographic silver halide emulsions supersensitized with palladium salts. R. E. Stauffer and W. F. Smith. 2,598,079, May 27.
Hoist for transporting invalids. R. K. Lewis. 2,598,570, May 27.
Hoisting apparatus. D. A. Wallace. 2,598,200, May 27.
Hoisting apparatus. D. A. Wallace. 2,598,625, May 27.
Holder: *See*—
Fishing pole holder. Soap holder.
Initial or insignia holder. Zone ticket holder.
Receipt holder.
Holder for broom handles, Releasable. L. R. Miller. 2,598,065, May 27.
Holder for carbons used in projecting machines. J. E. Marr. 2,598,006, May 27.
Holder for safety razor blades, Booklike. S. W. Wathon. 2,598,324, May 27.
Holding and packaging means for pharmaceutical phials and the like. J. Boës. 2,598,492, May 27.
Hole cutter for use with fragile bodies. L. L. Dritz. 2,598,042, May 27.
Hose reeling apparatus. C. A. Rostine. 2,598,306, May 27.
Hubcap. G. A. Lyon. 2,597,882, May 27.
Hydraulic centering reel. F. M. Littell and R. A. Skriba. 2,598,398, May 27.
Hydraulic cylinder piston. C. A. Samuel. 2,598,609, May 27.
Hydraulic pressure delivery device. T. Rozanski and W. Whitley. 2,597,953, May 27.
Hydraulic servomotor system. T. W. Kenyon. 2,598,180, May 27.
Hydraulic torque transmitting device. J. F. Swift, 2,598,620, May 27.
Hydraulically operated exercising table. R. E. Allen. 2,598,204, May 27.
Hydrogenation of carbon monoxide with promoted iron catalyst. H. G. McGrath. 2,598,647, May 27.
Hydrostatic weir, gate, and the like. F. Jermář. 2,598,389, May 27.
Impression device for making dentures. R. L. Gorsky and D. R. Illing. 2,597,929, May 27.
Impulse repeater for metered automatic telephone service. H. L. Horwitz. 2,597,869, May 27.
Incinerator, Kitchen cabinet. V. A. O'Brien. 2,598,067, May 27.
Incubator equipment, Infant. S. Y. Gibbon. 2,598,532, May 27.
Independently operable multiple window structure. R. S. Strand. 2,598,619, May 27.
Indicating device on cash registers. A. Klaar. 2,598,270, May 27.
Indicating frequency by resonance of charged particles. J. A. Rajchman. 2,598,301, May 27.
Indicator: *See*—
Vehicle light indicator. Vehicle position indicator.
Inductor leveling switch. J. H. Borden. 2,598,214, May 27.
Inhaler. O. J. Dufresne. 2,598,365, May 27.
Initial or insignia holder. S. Cohn. 2,598,507, May 27.
Injector for powdered materials. A. R. Constantine. 2,598,227, May 27.
Insole for welt shoes, Cushion. H. L. Pierson. 2,598,296, May 27.

Insole with a laminated cushion forepart. H. L. Pierson. 2,598,297, May 27.
Installing drilling equipment, Method and apparatus for. W. F. Bates, J. N. Gregory and A. H. Curry. 2,598,099, May 27.
Instrument, Dental. P. J. Van der Woude. 2,598,624, May 27.
Instrument, Pendulum compensated surveying. R. T. Cloud. 2,598,355, May 27.
Insulator cap. L. J. Stevens. 2,598,460, May 27.
Intermediate compounds in the synthesis of dehydrocorticosterone. E. C. Kendall. 2,598,559, May 27.
Intermittent driving mechanism. R. Robertson. 2,597,950, May 27.
Internal-combustion engine. J. L. Putt. 2,598,300, May 27.
Internal-combustion engine. T. O. Strauss. 2,598,461, May 27.
Interpolymers of a 2-alkenyl 2-alkenoate, a 2-alkenyl alcohol, and another copolymerizable monoolefinic compound. P. O. Tawney. 2,598,316, May 27.
Ionization chamber. C. J. Borkowski and R. H. Firminbac. 2,598,215, May 27.
Jack hook holder for looms. B. C. Savage. 2,598,444, May 27.
Journal box mounting. C. E. Tack. 2,598,082, May 27.
Key case. H. Snyder. 2,598,615, May 27.
Ladder rest. S. J. Roketa. 2,597,902, May 27.
Ladder structure. W. T. Mason. 2,598,278, May 27.
Lantern bracket. T. D. Mallison. 2,598,130, May 27.
Latch: *See*—
Door latch.
Laundry machine. J. F. Horvath. 2,598,057, May 27.
Lawn mower attachment. E. D. Fishburn. 2,597,981, May 27.
Leg construction for furniture. J. E. Bolling. 2,598,105, May 27.
Lens or glare shield attachment for spectacles. E. Krimsky. 2,598,272, May 27.
Lifter: *See*—
Rail lifter.
Light responsive system. G. W. Onksen, Jr. 2,598,420, May 27.
Lighting device for sewing machines. M. J. Singer and G. H. Draaisma. 2,598,452, May 27.
Linear variation of oscillator frequency. A. H. Dickinson. 2,598,516, May 27.
Lipstick applicator, Ball-type. H. Bogin, A. and H. Gold. 2,598,493, May 27.
Liquid dispensing and illuminating device for bottles. L. I. Coleman. 2,598,357, May 27.
Liquid flow regulating system. U. J. Rutgers. 2,598,307, May 27.
Liquid measuring and dispensing valve. E. L. Meyer. 2,598,583, May 27.
Lock: *See*—
Push-button operated permutation lock.
Locking device for box covers. C. L. Kanty. 2,598,558, May 27.
Locking mechanism. R. A. Firman. 2,598,245, May 27.
Locking stem adjustment valve. H. J. Koch and C. C. Lamar. 2,597,874, May 27.
Loom having means for severing tuft forming strands. J. K. McCutchen and D. A. Tillman. 2,598,579, May 27.
Low molecular weight, nitrogenous acrylate polymers. J. E. Fields and G. L. Wesp. 2,598,639, May 27.
Lubricating oil, Production of. H. R. Stewart and W. M. Thaw. 2,597,908, May 27.
Lubricating oils from wax, Production of. W. M. Thaw and H. R. Stewart. 2,597,910, May 27.
Lubricating system for sewing machines. A. C. Peterson, R. A. Hayes and R. H. Lukins. 2,598,426, May 27.
Luminous attachment for door locks. B. Heinz. 2,598,376, May 27.
Luminous attachmen for the cover plate of vehicle locks. B. Heinz. 2,598,375, May 27.
Machine for blowing sand into molds. R. W. Taccone. 2,598,621, May 27.
Machine for decorating china or the like. F. Baron. 2,597,968, May 27.
Machine for finishing gears with diagonal traverse. W. S. Praeg. 2,598,431, May 27.
Machine for making fluted containers. R. W. Hoag. 2,597,994, May 27.
Machine for setting-up box blanks. D. Levkoff. 2,598,569, May 27.
Machine for the manufacture of molded building units. W. A. Grueneberg. 2,598,254, May 27.
Magnetic steering control. F. W. Smith. 2,598,142, May 27.
Making a hollow mold of compacted mold forming material. L. L. Johnston. 2,598,554, May 27.
Manual sharpening implement. B. K. Murchison. 2,598,589, May 27.
Manually supported blower for cleaning floors and the like. G. W. Breuer and C. W. Lanter. 2,598,499, May 27.
Manufacturing glassware, Method and apparatus for. F. Z. Fouse. 2,598,524, May 27.
Manufacturing hose of synthetic thermoplastic materials. R. Colombo. 2,597,975, May 27.
Masonry drill. M. J. Steffes. 2,598,459, May 27.
Material feeder and hydrator. W. E. Anderson. 2,597,916, May 27.
Materials handling apparatus. N. L. Cabners and A. W. Moffat. 2,598,222, May 27.
Measuring apparatus having inverted pendulum indicator. W. J. B. Jansen. 2,598,552, May 27.
Measuring intensity of magnetic fields, Method and apparatus for. G. Muffly. 2,598,285, May 27.
Meat processing machine. A. L. Jackson. 2,598,548, May 27.
Meat tenderizing machine with stripper combs. A. L. Jackson. 2,598,550, May 27.
Mechanical attachment for azimuth offset bombing. B. L. Havens. 2,597,989, May 27.
Mechanical movement. H. Lakin. 2,598,275, May 27.
Mechanism for gently engaging and feeding fragile articles. H. J. Paynter and F. Derrer. 2,597,900, May 27.
Metal strip or sheet feeding means. J. Simpson. 2,598,451, May 27.
Metallic door frame securing clip. V. L. Shea. 2,598,139, May 27.
Metallic reinforcing cord for pneumatic tires. P. M. Bourdon. 2,598,033, May 27.
Method in carrying out treatment of melted pig iron or other alloyed iron. B. M. S. Kalling and O. L. Lindskog. 2,598,393, May 27.
Methylol phenol esters and plasticized materials therefrom. R. W. Martin. 2,598,406, May 27.
Mirror support with light, Body attached rearview. E. J. O'Brien. 2,598,291, May 27.
Mixing method and package. L. Peters. 2,598,595, May 27.
Mnemonic educational means for demonstrating atomic or molecular structure and penomena. J. M. Novak. 2,598,591, May 27.
Modulating system and apparatus. J. R. Shonnard. 2,598,612, May 27.
Moistureproof protective membrane material and making same. A. Yung and W. P. Lowden. 2,598,090, May 27.
Molded roof structure and its production. R. W. Rumble. 2,598,607, May 27.
Motor: *See*—
Toy motor.
Variable capacity rotary fluid motor.
Motor speed governor, Centrifugally operated. J. F. Young. 2,598,481, May 27.
Mounting: *See*—
Journal box mounting. Resilient mounting.
Railway auxiliary power plant mounting.
Mounting. N. E. Lee. 2,597,878, May 27.
Mounting device. J. I. Austen-Walton. 2,598,206, May 27.
Mouthpiece, Smoker's. G. L. Johnson. 2,598,059, May 27.
Movement unit for mechanical pencils. B. M. Tapner. 2,598,083, May 27.
Multidelivery unit for improved train order delivery devices. W. L. White. 2,598,628, May 27.
Multiple stage tow drying. W. A. Knopp and T. L. Nash. 2,598,000, May 27.
Multiport rotary plate valve. L. G. Daniels. 2,598,362, May 27.
Music stand utility case. P. J. Bollettieri. 2,597,970, May 27.
N - mercuri - 1,2,3,6 - tetrahydro - 2,6, - endomethano - 3,4,5,6,7,7-hexachloropthalimide. M. Kleiman. 2,598,562, May 27.
N-thio bis N-tetrahydrofurfuryl- and tetrahydrothenylamines. R. O. Zerbe. 2,598,333, May 27.
Nestable leg caliper. V. C. Muller. 2,597,891, May 27.
Nib for writing pens. P. C. Hull. 2,598,171, May 27.
Nipple chuck. A. R. Chaser. 2,598,109, May 27.
Nipple chuck. R. B. Pealer. 2,598,423, May 27.
Noise elimination system for pulse signal receivers. G. K. Jensen, C. M. Russell and V. N. Smith. 2,597,870, May 27.
Nozzle, Fire foam. J. B. Webster. 2,597,913, May 27.
Office machine. R. E. Boyden. 2,598,342, May 27.
Offshore drilling platform and constructing same. H. A. Wilson. 2,598,329, May 27.
Offshore platform structure and erecting same. H. A. Wilson. 2,598,088, May 27.
Opener, Wall mounted can. E. R. Skorupa and E. K. Lotthammer. 2,598,314, May 27.
Operating mechanism for multiple point switches. W. O. Schultz. 2,598,448, May 27.
Optical reverser of photographic negatives. J. C. Williman. 2,598,328, May 27.
Orange juice extractor. T. W. Johnson, Jr. 2,597,997, May 27.
Order recording device. L. D. Kilgore and C. R. Stout. 2,598,394, May 27.
Organohalogenosilanes from organohalogenopolysilanes, Preparation of. D. Mohler and J. E. Sellers. 2,598,434, May 27.
Organohalogenosilanes, Preparing. D. Mobler and J. E. Sellers. 2,598,436, May 27.
Organ or other toy with equalized pressure supply. J. E. Nash. 2,598,416, May 27.
Organo-tin compounds and composition including same and making same. R. T. Carroll. 2,597,920, May 27.
Oscillation generator. J. W. Dawson. 2,598,232, May 27.

Packaging and serving frozen confections. H. R. and C. G. Schulz and A. S. Kedzie. 2,598,137, May 27.
Paint bucket holding device. J. W. Wraith. 2,598,479, May 27.
Panel-type heater. G. N. McKibbin. 2,598,279, May 27.
Paper and manufacture, Calendered crinkled. F. W. Humphner. 2,598,173, May 27.
Parachute release for kites. H. L. Bird. 2,598,030, May 27.
Paraffin removing and preventing apparatus. P. L. McLean. 2,598,280, May 27.
Partial product multiplying machine. H. T. Avery. 2,598,095, May 27.
Pay-off reel. J. L. Losinski and J. E. Schwermer. 2,598,572, May 27.
Peaked pulse generator. C. A. Bergfors. 2,598,491, May 27.
Pentaerythritol tetranitrate product. S. D. Ehrlich. 2,597,926, May 27.
Phase shifting network. B. D. Bedford. 2,598,437, May 27.
Phase shifting network. A. H. Mittag. 2,598,433, May 27.
Phase shifting network. J. C. Price. 2,598,432, May 27.
Phonograph change-speed mechanism. J. H. Sharp. 2,598,138, May 27.
Phonograph having speaker pickup unit. J. J. Warner. 2,598,026, May 27.
Photographic printing plate. W. G. Mullen. 2,598,189, May 27.
Pie dough trimmer and sealer. R. A. Wangeman. 2,598,620, May 27.
Pigmented rayon, Production of. R. A. Morse. 2,598,066, May 27.
Pigments from 2-chloro-5-aminoethylbenzene-4-sulfonic acid and beta naphthol. F. H. Adams. 2,598,483, May 27.
Pin: *See*
Bobby pin. Safety pin.
Pipe joints, Making. A. C. Arbogast. 2,598,338, May 27.
Pivotal frame mounting structure for offset printing machine cylinders. L. H. Morse. 2,598,414, May 27.
Planographic printing plates, Preparing. F. L. Eichner. 2,598,043, May 27.
Plasticized polyamides and preparation. J. D. Czarnecki. 2,597,855, May 27.
Plasticized vinyl chloride polymer. J. Dazzi. 2,598,636, May 27.
Pliers for straightening or pulling fish tape. R. V. Tays. 2,598,146, May 27.
Pliers with unlocking lever, Snap lock. J. L. Smith and L. H. Eriksen. 2,598,050, May 27.
Plow, Rotary snow. M. Garland. 2,598,249, May 27.
Plug: *See*—
Spark plug.
Plug fastener. J. P. Francesco. 2,597,857, May 27.
Plug-in assembly for high-frequency oscillators, Tunable. J. M. Hetland. 2,597,993, May 27.
Pneumatic feed device for high-speed automatic turret lathes. J. Douša. 2,598,041, May 27.
Polycentric articulated finger for artificial hands. L. J. Parker. 2,598,593, May 27.
Polychloroethenes, Production of. A. H. Maude and D. S. Rosenberg. 2,598,646, May 27.
Polysiloxane resins with lead tetraphenyl catalyst. G. R. Lucas. 2,598,402, May 27.
Porous filter. C. G. Vokes. 2,598,322, May 27.
Posthole digger. S. P. Lagant. 2,598,565, May 27.
Posthole digger. L. L. Navarre. 2,598,288, May 27.
Power amplifier circuit. E. T. Burton. 2,598,221, May 27.
Power conservation system. O. H. Schade. 2,598,134, May 27.
Power hammer construction. E. A. Smith. 2,598,455, May 27.
Power-operated hydraulic pressure device, including yieldable piston stop. E. J. Ringer. 2,598,604, May 27.
Power plant regulation. G. T. Holt and J. K. Stotz. 2,598,124, May 27.
Predetermining temperature conditions within wall structures. C. F. Kayan. 2,598,267, May 27.
Preserving shell eggs. L. D. Mink. 2,598,586, May 27.
Press drive for vitreous materials. P. Kucera. 2,598,564, May 27.
Press mechanism and feed means therefor. E. L. Croston. 2,597,923, May 27.
Presser, Necktie. N. Dorazio. 2,598,238, May 27.
Pressure feeder device for infusion strainers. J. H. Herrera. 2,598,377, May 27.
Pressure regulating device. E. G. Steffen. 2,597,961, May 27.
Preventing corrosion and corrosion inhibitors. C. M. Blair, Jr. 2,598,213, May 27.
Printing inks. A. F. Schmutzler. 2,597,903, May 27.
Printing machine with reversible printing unit, Rotary. W. F. Huck and A. Stobb. 2,597,932, May 27.
Producing staple fiber yarn, Method and apparatus for. H. Von Kohorn. 2,598,086, May 27.
Production of polymeric compounds from anhydrocarboxy-alpha-amino-carboxylic acids in nitrobenzene. W. E. Hanby, S. G. Waley, and J. Watson. 2,598,372, May 27.
Program and communication system for drive-in theaters or restaurants. E. B. Brady. 2,598,343, May 27.
Protective cover for frangible disks. M. L. Poust. 2,598,192, May 27.
Protector: *See*—
Batten cleat protector.
Protein hydrolysates, Manufacture of. M. J. Blish. 2,598,341, May 27.
Pump: *See*—
Adjustable stroke dispensing pump.
Pump and motor pneumohydraulic transmission system. K. T. Källe. 2,598,177, May 27.
Pump barrel cleaning apparatus. F. Krizman and C. Jonette. 2,597,937, May 27.
Pump valve construction for compressors, Rotary. S. Bousky. 2,598,216, May 27.
Pumping of fluids under high pressures. A. Ivanoff. 2,598,547, May 27.
Purification of naphthalene. R. Scott and E. H. Joscelyne. 2,598,449, May 27.
Purifying soaps of fatty acids. S. R. Merley and A. Kofoet. 2,597,844, May 27.
Push-button operated permutation lock. A. S. Capdevila. 2,598,457, May 27.
Rack: *See*—
Suspended tie rack.
Radio-frequency inductance coils. R. A. Wilson. 2,598,089, May 27.
Radio-frequency switching arrangement. J. F. Gordon. 2,598,534, May 27.
Rail lifter. R. D. MacDonald. 2,598,277, May 27.
Railway auxiliary power plant mounting. R. G. Anderson. 2,598,336, May 27.
Railway switch operating apparatus. H. L. Bone and R. A. Woods. 2,598,495, May 27.
Range and range top extension. G. W. Kamin and L. E. Wolske. 2,598,266, May 27.
Razor. A. Estrada. 2,598,243, May 27.
Razor, Safety. A. J. Bianchi. 2,598,104, May 27.
Rear axle arrangement for delivery trucks. A. W. Herrington. 2,598,166, May 27.
Rearrangement of saturated halocarbons. W. T. Miller and E. W. Fager. 2,598,411, May 27.
Receipt holder. E. C. Isaacson. 2,598,125, May 27.
Recoilless gun. C. N. Hickman. 2,598,256, May 27.
Record controlling means for accounting machines. R. A. Christian, J. R. Ganger, and H. F. Lang. 2,597,973, May 27.
Recorder, Borehole temperature. H. J. Eastman. 2,598,520, May 27.
Recovery of sterols. H. G. Kirschenbauer. 2,598,269, May 27.
Recrystallizing deep-drawing steel. F. N. Darmara. 2,597,979, May 27.
Reel: *See*—
Hydraulic centering reel. Pay-off reel.
Reeling and feeding device. F. G. Henry. 2,598,540, May 27.
Reflective mask for television cabinet fronts. J. K. Rose. 2,598,072, May 27.
Remote control for tractors. J. H. Johnson. 2,598,390, May 27.
Remote control of transmission. R. S. Plexico. 2,598,428, May 27.
Remote controlled shooting gallery. J. A. McKenzie. 2,598,008, May 27.
Remote location and identification system. J. F. Novy. 2,597,895, May 27.
Remote switch control. W. G. Coe. 2,598,356, May 27.
Resilient mounting. H. M. Dodge. 2,598,115, May 27.
Resins from carboxyalkyl ethers of polyhydric alcohols. W. M. Hutchinson. 2,598,174, May 27.
Retractable barb device. T. F. Dann. 2,598,230, May 27.
Riboflavin-glyoxal condensation products. J. Q. Bellard and G. H. F. Schnakenberg. 2,598,103, May 27.
Rock bit. N. E. Dufilho. 2,598,518, May 27.
Rocket launcher. G. Kunz. 2,598,001, May 27.
Roller of animal glue. E. D. Hill. 2,598,167, May 27.
Roller platen printing machine. J. H. Gruver. 2,598,161, May 27.
Rotary hydraulic coupling. H. N. Fiser. 2,598,367, May 27.
Rotary power unit operable on atmospheric energy. I. Monk. 2,597,890, May 27.
Rotor for homogenizers. N. von Korshenewsky. 2,598,469, May 27.
Rough rounding machine. J. P. Fredericksen. 2,597,983, May 27.
Rubber hydrochloride air filter. H. A. Endres. 2,597,927, May 27.
Running a liner in flowing gas wells. H. F. Cypher. 2,598,512, May 27.
Safety device in electrically controlled valves, fittings or the like. J. Křečan. 2,598,062, May 27.
Safety guard for hair straightening combs. E. Wilson. 2,598,330, May 27.
Safety pin. J. H. Todd. 2,598,198, May 27.
Safety switch. H. M. Barton. 2,597,969, May 27.
Sample taking apparatus. F. W. Long, J. F. Lee, A. F. Levi, and C. C. Keane. 2,598,183, May 27.
Sampling device. C. M. Green. 2,598,535, May 27.

Sand valve. J. W. Meckenstock. 2,598,409, May 27.
Sanding machine. F. Harris. 2,598,053, May 27.
Sanitary accessory for toilet bowls. N. D. Mattison. 2,598,577, May 27.
Sash hanger. C. F. Arens. 2,598,093, May 27.
Saw gauge and guide. J. P. Ethridge. 2,598,117, May 27.
Saw having oppositely reciprocating saw blades, Power-operated. J. W. Wright. 2,598,480, May 27.
Scale, Buoyancy. S. Rappaport and J. C. Petrea. 2,597,949, May 27.
Scarf joint for railroad rails. E. W. Baumann. 2,598,101, May 27.
Seal for nonrefillable bottles. J. Torres Véliz. 2,598,024, May 27.
Sealed dispensing container and sealing the same. D. D. Whyte. 2,598,629, May 27.
Sealing device. A. P. Johnstone. 2,598,176, May 27.
Sealing glass windows to metallic cones for cathode-ray tubes. J. G. W. Mulder and T. Hagenberg. 2,598,286, May 27.
Sealing steel storage vessels. E. E. Huebotter. 2,598,170, May 27.
Seat for vehicles, Vertically adjustable. J. W. Page. 2,598,421, May 27.
Sedimentation tower. R. E. Payne. 2,597,899, May 27.
Self-locking nut. R. L. Hallock. 2,598,052, May 27.
Separation of minerals having different specific gravities in a body of liquid medium. F. F. Ridley. 2,598,305, May 27.
Servomotor with lubricated rotatable piston rod. F. E. Klosterman. 2,598,271, May 27.
Severing machine for looms. J. K. McCutchen and D. A. Tillman. 2,598,578, May 27.
Shear, Rotary. F. P. Blair. 2,598,212, May 27.
Sheet, Bed. G. H. Simpson. 2,598,141, May 27.
Sheet metal cutter. G. B. Murphy. 2,598,287, May 27.
Shiftable shade. H. H. Mullen. 2,598,588, May 27.
Shingle. J. R. Brown and C. I. Read. 2,598,497, May 27.
Shipping container for eggs. H. C. Reeser. 2,597,847, May 27.
Shower apparatus, Adjustable. B. A. Alvey. 2,598,092, May 27.
Shrimp and minnow adapter fish lure. G. J. Pitre. 2,598,011, May 27.
Signal amplifying system. E. W. Hogue. 2,598,259, May 27.
Signaling arrangement for two-wire telephone lines. H. Gardère. 2,598,159, May 27.
Sine and cosine function voltage device. C. C. Shumard. 2,598,312, May 27.
Skip hoist motor control. G. Fox. 2,597,859, May 27.
Slip, Child's. I. N. Tolkin. 2,598,622, May 27.
Slitting and scoring tool. P. Rintoul. 2,598,649, May 27.
Snubbed truck. C. E. Tack. 2,597,909, May 27.
Soap holder. U. W. Edger. 2,597,925, May 27.
Sofa and bed, Combination. M. C. Jenkins. 2,597,995, May 27.
Soil injector. L. S. Hannibal. 2,598,121, May 27.
Sole for shoes, Laminated cushioning. A. Levin. 2,597,879, May 27.
Sound reproducing apparatus. P. P. Pattyn. 2,598,132, May 27.
Spark plug. R. F. Doran. 2,597,978, May 27.
Speaker's folding stand. M. E. Liechty. 2,598,128, May 27.
Speed control for pressure fluid operable rotator. R. Reger. 2,598,439, May 27.
Speed controlled fuel system. E. O. Wirth and F. Barfod. 2,598,202, May 27.
Spinning machine. D. W. Maxham. 2,598,185, May 27.
Sponge rubber and making same. T. H. Rogers, Jr. 2,598,018, May 27.
Sponge rubber and products produced thereby, Preparing. N. F. Keckler. 2,598,127, May 27.
Spotting apparatus. J. E. Miller. 2,598,410, May 27.
Spray gun. D. J. Peeps. 2,598,294, May 27.
Spraying process. N. B. Jones. 2,598,391, May 27.
Spread sheet. H. E. Hooe. 2,598,379, May 27.
Stabilization of photographic emulsions sensitized with gold compounds. R. E. Damschroder. 2,597,856, May 27.
Stabilization of photographic emulsions sensitized with gold compounds. H. C. Yutzy and J. A. Leermakers. 2,597,915, May 27.
Stabilization of vinyl halide polymers with a salt of a hydrocarbon substituted benzoic acid. T. F. Bradley and D. E. Winkler. 2,598,496, May 27.
Stabilized tetrathiodilactic and tetrathiodiglycollic acid pharmaceutical. L. Libenson. 2,598,004, May 27.
Stabilized trigger circuit. M. L. Wood. 2,598,631, May 27.
Stand: *See*—
  Speaker's folding stand.
Stand lamp with a switch and a handle to adjust the lamp and also actuate the switch, Adjustable. G. Schaser. 2,598,310, May 27.
Steam hydrator. R. M. Schultz. 2,598,447, May 27.
Steering attachment for outboard motors, Remote-control. W. L. Holzhauser. 2,598,383, May 27.
Stereoscopic projector, Dual. H. R. Lutes. 2,598,573, May 27.
Storage bin with pressure-relieving baffles. A. T. Hurter. 2,598,388, May 27.
Storage building and mechanism for loading same. H. F. Morley. 2,598,413, May 27.
Storm shutter assembly. C. and F. Satz. 2,598,610, May 27.
Strand bundle drier and conditioner. W. A. Knopp. 2,597,999, May 27.
Strand separating and cleaning device for twisted clothes-lines. D. M. MacKenzie. 2,598,404, May 27.
Stretcher and drier, Curtain. L. Miner. 2,598,585, May 27.
Structure for supporting folded garments within a transportation container. P. H. Simonsen. 2,597,904, May 27.
Styrenated oil, styrene oxide-phenol resin, drying oil coating composition. P. E. Marling. 2,598,644, May 27.
Styrenated-unsaturated oil modified alkyd, drying oil, and a phenol-styrene oxide resin coating composition. P. E. Marling. 2,598,645, May 27.
Sulfonyl halides from sulfenyl halides, Producing. W. A. Proell and W. B. Chilcote. 2,598,013, May 27.
Supplying rubber rings to tools. H. Weekes. 2,598,325, May 27.
Support: *See*—
  Adjustable mirror support.
  Adjustable support.
  Bedclothes support.
  Yarn package support.
Support for mounting contact boxes in meter troughs, Detachable and adjustable. W. L. Espenschied. 2,598,521, May 27.
Support for use in treating textile material, Tiltable. C. Cochrane. 2,598,225, May 27.
Support for X-ray cassettes, Universally adjustable. K. J. Fritz. 2,598,529, May 27.
Supporting and adjusting draperies. D. R. Falkenberg. 2,598,522, May 27.
Supporting and projecting mechanism. C. H. Gerlach. 2,597,861, May 27.
Surface grinder. H. T. Rutherford. 2,598,020, May 27.
Surgical trephine. D. Kadesky. 2,598,060, May 27.
Surtax registering and totalizing counter for telephony systems. R. Flasser. 2,598,244, May 27.
Suspended tie rack. A. D. Sweet. 2,598,315, May 27.
Swing and support therefor. R. A. St. Louis. 2,598,618, May 27.
Switch: *See*—
  Directional switch.
  Electric switch.
  Fluid pressure actuated switch.
  Inductor leveling switch.
  Safety switch.
Switch for directional and clearance lamps. J. R. Hollins. 2,598,657, May 27.
Switching system for communication of intelligence. G. V. G. Modée, J. H. Strandlund, and F. Ek. 2,598,412, May 27.
Synthesis of organic compounds. W. P. Burton. 2,598,503, May 27.
System for concentrating liquids. C. S. Brown. 2,598,345, May 27.
Table: *See*—
  Hydraulically operated exercising table.
Tacking strip, Making. B. Boersma and A. A. Parcels. 2,597,918, May 27.
Tank having corrugated ends, Large capacity. A. Gruenais. 2,598,160, May 27.
Telephone call distributing system. H. W. Balzer. 2,598,098, May 27.
Telephone, Recording. M. Sepelak. 2,597,957, May 27.
Television tuning apparatus with channel selecting switch. H. N. Frihart and E. B. Hassler. 2,598,247, May 27.
Temperature indicating unit. G. Jackson. 2,598,551, May 27.
Temperature regulator for secondary volatile refrigerant circuit. C. F. Alsing. 2,598,335, May 27.
Temperature responsive measuring and indicating apparatus. K. T. Kille. 2,598,178, May 27.
Textile treating compositions. H. F. Oxley, E. B. Thomas, and H. C. Murfitt. 2,597,947, May 27.
Thawing pit for railway cars. M. J. Parker and A. J. Turpin. 2,598,293, May 27.
Therapeutic apparatus, Suction applying. E. Adler. 2,597,966, May 27.
Thermochemical cutting and scarfing powder. R. L. Wagner. 2,598,025, May 27.
Thermometer, Bimetallic. A. H. Lamb. 2,597,939, May 27.
Thermostatic control of seal leg valves. L. W. Head. 2,598,641, May 27.
Thermostatic valve. F. Y. Carter. 2,598,351, May 27.
Thickening relatively thin apertured metallic screens. G. K. Teal. 2,598,318, May 27.
Thiocarbamyl thiazyl monosulfides, Production of. A. F. Hardman. 2,597,988, May 27.
Thread-cutting device. U. A. Alfredeen. 2,597,849, May 27.
Tie cutter. L. J. Gilmore. 2,598,048, May 27.
Time element electromagnetic device. G. H. Syrovy and J. W. Seaman. 2,598,463, May 27.
Tip-up seat construction. E. J. Huber. 2,598,384, May 27.
Tire chain anchor device. A. H. Perlman. 2,598,594, May 27.
Toilet set handle for mirror and back construction. W. Steinen. 2,597,906, May 27.

Tool: *See*—
  Cutting tool.
  Slitting and scoring tool.
  Wire fence tool.
Tool driving means and control therefor. O. W. Greenberg. 2,598,253, May 27.
Tool supporting carriage. E. E. Gesner. 2,598,251, May 27.
Torque converter and lockup means therefor. H. E. Churchill and W. A. Hasbany. 2,597,921, May 27.
Toy and support therefor, Baby's. A. K. Brumby. 2,598,218, May 27.
Toy bank. I. Rosenbloom. 2,598,442, May 27.
Toy bell. L. W. Hubbell. 2,598,169, May 27.
Toy disk projector. R. W. Clauss. 2,598,354, May 27.
Toy helicopter. R. R. Carrington. 2,598,349, May 27.
Toy motor. S. B. Beliaeff. 2,598,211, May 27.
Toy spectacle, Novelty. L. B. Brandvig. 2,598,107, May 27.
Tractor and cultivator attachment. R. M. Burgess. 2,598,219, May 27.
Transformation of cereals, particularly barley, into malt, Method and apparatus for the. O. A. Skantze. 2,598,318, May 27.
Translating device for recording machines. A. B. Crowell. 2,598,511, May 27.
Transmission. R. T. Burnett. 2,598,501, May 27.
Transmission. D. W. Kelbel. 2,598,179, May 27.
Transplanter. H. Knorr, Jr. 2,597,936, May 27.
Trap: *See*—
  Animal trap.
  Vermin trap.
Treating organopolysilanes. D. Mohler and J. E. Sellers. 2,598,435, May 27.
Treating textile fabrics to prevent unraveling at cut edges thereof. T. H. Miller. 2,597,888, May 27.
Treating tomato juice. R. A. Havens, B. E. Orr, P. R. Pitts, Jr., and R. W. Cunningham. 2,598,374, May 27.
Treating whale gluewater. W. C. Davis. 2,598,038, May 27.
Trenching machine, Auger type. D. J. Carroll. 2,598,350, May 27.
Triangular radiant. J. L. Raulston. 2,598,602, May 27.
Trimming device for stock for loom reed dents. H. F. Davis, E. A. Southam, and F. Crossman. 2,598,513, May 27.
Troffer for fluorescent lighting fixtures readily attached to the framework of a ceiling. M. H. Kruger. 2,597,875, May 27.
Truck and attachment therefor, Lift. B. A. Dickson. 2,598,515, May 27.
Truck and lift, Hand. E. A. Bayer and L. D. Langdon. 2,598,489, May 27.
Truck, Car. R. B. Cottrell. 2,598,359, May 27.
Truck, Industrial elevating. M. Lehmann. 2,598,566, May 27.
Truck, Lift. N. Warshaw. 2,598,151, May 27.
Turntable for record changers. W. Miller and J. L. D. Morrison. 2,598,584, May 27.
21-substituted thioacetals of 20-oxo-pregnanes and 20-oxo-pregnenes. A. Wettstein and C. Meystre. 2,598,653, May 27.
21-substituted thioenol ethers of 20-oxo-pregnanes and 20-oxo-pregnenes. A. Wettstein and C. Meystre. 2,598,654, May 27.
Two-sided mosaic screens, Preparation of. G. K. Teal. 2,598,317, May 27.
Type locking means in marking machines. O. Petermann and F. Kosmer. 2,598,438, May 27.
Unbalanced to balanced line transformer. P. D. Coleman. 2,597,853, May 27.
Uniform pressure absorption evaporator. W. L. Edel. 2,598,240, May 27.
Universal chuck. J. C. Harvey. 2,598,165, May 27.
Use of spent Fischer-Tropsch catalyst for manufacture of carbon monoxide-hydrogen synthesis gas. B. J. Mayland. 2,598,186, May 27.
Vacuum filling machine. I. H. Risser. 2,598,441, May 27.
Valve: *See*—
  Auxiliary fluid supply valve.
  Back-pressure valve.
  Check valve.
  Control valve.
  Distributing valve.
  Diverter valve.
  Drainage valve.
  Flush tank inlet valve.
  Locking stem adjustment valve.
  Multiport rotary plate valve.
  Send valve.
  Thermostatic valve.
Valve, R. L. Meyer. 2,598,187, May 27.
Valve construction. I. T. Rosenlund. 2,597,952, May 27.
Valve for hydraulic power systems, Sequence. C. E. Deardorff. 2,598,233, May 27.
Valve for inflatable pneumatic bladders or the like, Self-sealing. W. F. Davenport and H. A. Smith. 2,597,924, May 27.
Valve with automatic and emergency cutoff, Filler. G. L. N. Meyer. 2,597,943, May 27.
Valved pipe coupling. D. J. Peeps. 2,598,009, May 27.
Valving apparatus. E. G. Bailey, P. S. Dickey, and J. F. Shannon. 2,598,207, May 27.
Vanillin, Manufacture of. E. W. Schoeffel. 2,598,311, May 27.
Vapor charging system for internal-combustion engines. H. H. Schneider. 2,598,445, May 27.
Vapor generator operation. P. S. Dickey. 2,598,235, May 27.
Vapor injector. R. G. Thomas. 2,598,465, May 27.
Variable capacity rotary fluid motor. A. L. Haynes. 2,598,538, May 27.
Variable output transformer. J. E. Jones and J. B. Reeves. 2,598,555, May 27.
Variable-speed gear. L. C. H. Juy. 2,598,557, May 27.
Variable-speed signaling crossing gate. J. H. Staley. 2,598,196, May 27.
Varnish for application over lithographic ink, Finishing. P. W. Greubel. 2,597,863–5, May 27.
Vat dyeing of acrylonitrile polymers using potassium ions. E. M. Griffith. 2,598,120, May 27.
Vehicle light indicator. J. R. Hollins. 2,598,056, May 27.
Vehicle position indicator. F. H. Bailly. 2,598,096, May 27.
Vehicle seat convertible to a bed. R. A. Battles. 2,598,100, May 27.
Vehicle transport unit. H. B. Dawson. 2,598,113, May 27.
Venetian blind. J. K. Martin and D. W. Doughty. 2,598,573, May 27.
Venetian blind rail connector. R. H. Wright and A. Zay. 2,598,152, May 27.
Vented shaft seal. H. N. Hoffman. 2,598,381, May 27.
Vermin trap. H. Altham. 2,598,205, May 27.
Vinyl resins and compositions thereof, Heat and light stabilized. J. Harding. 2,597,987, May 27.
Visor and magnifier, Combination. E. G. Steadman, Jr. 2,598,145, May 27.
Washer with rotary liquid agitator. I. I. Hance. 2,597,931, May 27.
Washing machine for baking utensils. H. M. Sadwith. 2,598,074, May 27.
Watch roller jewel setter. M. J. Freeman. 2,598,527, May 27.
Water-heating means. W. G. G. Cuddon. 2,598,111, May 27.
Water repellent gypsum product and making same. W. C. Riddell and G. B. Kirk. 2,597,901, May 27.
Water service fixture. T. E. Bart. 2,598,488, May 27.
Wax emulsion polishing composition containing silica. R. K. Iler. 2,597,871, May 27.
Wax product and preparing the same. J. B. Hill and S. W. Ferris. 2,598,257, May 27.
Web handling device. W. E. Le Clair. 2,597,877, May 27.
Weighing and sacking machine. O. T. Horn. 2,598,260, May 27.
Weighing apparatus. P. M. Boliek. 2,598,494, May 27.
Welding system. C. E. Smith. 2,597,959, May 27.
Well packer lock device. R. C. Baker and T. M. Ragan. 2,598,340, May 27.
Wet separator for purifying a particle laden gas current. T. Blomén. 2,598,032, May 27.
Wheel alignment gauge. E. Pleasance. 2,598,599, May 27.
Wheel attachment for a two-wheel hand truck, Additional. B. Hooz and S. T. Mello. 2,598,168, May 27.
Wheelbarrow with shiftable load supporting handles. E. Hrabal. 2,598,261, May 27.
Wheel cover. G. A. Lyon. 2,597,880, May 27.
Wheel cover structure. G. A. Lyon. 2,597,881, May 27.
Wheel suspension for coal loaders. A. L. Lee. 2,598,276, May 27.
Wheel truing brake shoe. F. W. MacDonald and A. Lavrino. 2,597,883, May 27.
Winch, Portable. E. A. Drott. 2,598,517, May 27.
Wind vane. J. C. Carmody. 2,598,505, May 27.
Window balance. B. F. Kenyon. 2,598,560, May 27.
Windshield clearing system. A. Rappl. 2,598,601, May 27.
Wire fence tool. T. F. Jennings. 2,598,553, May 27.
Wire-pointing mechanism. T. E. Bastian and E. A. Strollis. 2,598,656, May 27.
Wrapping and twisting apparatus. H. Rumsey, Jr. 2,598,073, May 27.
Yarn package support. W. T. Stearn. 2,597,960, May 27.
Zone ticket holder. E. A. Nahm. 2,598,415, May 27.

CLASSIFICATION OF PATENTS

ISSUED MAY 27, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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260— 2.5: 2,598,077
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,597,844:	260—419	2,597,908:	260—677	2,597,998:	170—135.2	2,598,204:	128—33
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CLASSIFICATION OF DESIGNS

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U. S. GOVERNMENT PRINTING OFFICE : O—1952

Condition of Applications Under Examination at Close of Business May 9, 1952

Total number of patent applications awaiting action, 98,652. Date of oldest new application, July 31, 1951; date of oldest amended application, July 26, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	8-31-51	8-24-51	2003
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	10-25-51	10-13-51	1094
3. WINDHAM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	10-9-51	10-11-51	1578
4. FALLER, E. A., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	8-16-51	8-10-51	1561
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	9-21-51	9-21-51	1216
6. SURLE, H., Carbon Chemistry (part)	8-21-51	8-31-51	1822
7. ANDERSON, E. G. (Acting), Optics; Photography (part)	10-4-51	9-25-51	1175
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	8-17-51	8-13-51	1540
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	8-21-51	8-21-51	1365
10. NEFF, P. R. (Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles	8-14-51	8-13-51	1352
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	8-10-51	8-9-51	957
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	8-14-51	8-13-51	1233
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	8-10-51	8-7-51	1201
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	8-8-51	8-6-51	1601
15. STEPHENSON, W. J. (Acting), Plastics; Plastic Block and Earthenware Apparatus; Glass	11-1-51	11-1-51	1103
16. LOVEWELL, N. N., Television, Telephony	8-22-51	8-23-51	1258
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting Sheet Material Association or Folding; Sheet or Web Feeding.	8-2-51	8-1-51	1874
18. KURZ, J. A., Power Plants; Speed Responsive Devices	8-16-51	8-10-51	1145
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-10-51	8-10-51	1134
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes	9-4-51	9-4-51	1357
21. MADER, R. C., Textiles	8-7-51	8-7-51	1333
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8-21-51	8-15-51	1079
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	8-31-51	8-27-51	808
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	9-7-51	9-10-51	1421
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	8-15-51	8-14-51	1138
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	8-9-51	8-10-51	1223
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-21-51	8-20-51	1483
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	8-15-51	8-9-51	1238
29. HABECKER, L. B., Button Making; Woodworking; Tools	8-22-51	8-27-51	1064
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	9-22-51	9-22-51	1454
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy compounds, Hydrocarbons, Halogenated Hydrocarbons.	8-25-51	9-13-51	1965
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	8-16-51	8-25-51	1117
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	8-9-51	8-4-51	1959
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8-4-51	8-9-51	1343
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	8-15-51	8-13-51	1405
36. McFADYEN, A. D., Measuring and Testing	8-10-51	8-10-51	1210
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	8-24-51	8-11-51	1280
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	8-10-51	8-11-51	1518
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	8-10-51	8-11-51	2587
40. DRUMMOND, E. J., Receptacles (part); Packages	9-6-51	9-4-51	1384
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	8-13-51	8-13-51	1107
42. MARANS, H., Electric Signaling (part, except submarine, altimeters, distance or direction measuring, and object detection); Signals; Telegraph (part); Signals and Indicators.	9-4-51	8-24-51	1052

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 98,652. Date of oldest new application, July 31, 1951; date of oldest amended application, July 26, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-11-51	9-11-51	1230
44. HARVEY, L. P., Beds; Chairs, Seats	8-2-51	8-1-51	1345
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-21-51	8-22-51	1276
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	8-24-51	8-16-51	899
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	8-15-51	8-6-51	1541
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	8-10-51	8-8-51	1590
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring	8-10-51	8-7-51	1355
50. BENGEL, W. G., Synthetic Resins	10-23-51	10-23-51	1469
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	8-23-51	8-22-51	1305
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	8-28-51	8-29-51	2045
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	9-8-51	9-6-51	1016
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-10-51	8-14-51	1505
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	8-22-51	8-24-51	1079
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	9-11-51	8-31-51	1817
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	8-23-51	8-20-51	1680
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	8-11-51	8-14-51	857
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	9-5-51	9-1-51	1078
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9-28-51	9-18-51	1029
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	8-20-51	8-15-51	1240
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	9-24-51	9-7-51	1320
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	8-9-51	8-14-51	1521
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-19-51	9-17-51	1842
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-21-51	8-22-51	1447
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	8-13-51	8-13-51	1001
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8-30-51	8-11-51	1240
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	9-7-51	8-27-51	1569
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	8-17-51	8-16-51	1284
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	7-31-51	7-26-51	2927
DESIGNS: A. BREHM, G. L., Industrial Arts	1-23-52	2-7-52	580
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	1-24-52	1-16-52	718

Total number of trade-mark applications awaiting action (including renewals and republications), 14,349. Date of oldest new application, Nov. 3, 1951; date of oldest amended application, Nov. 3, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	1-3-51	1-3-51	3589
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	1-20-51	1-20-51	3282
Renewals (All Classes)	3-12-52	4-5-52	727
Republications (All Classes)	3-29-52	4-5-52	185
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	1-20-51	1-13-51	3310
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	1-9-51	1-9-51	3256

DECISIONS IN PATENT AND TRADE-MARK CASES

United States Court of Appeals District of Columbia Circuit

LARSEN *v.* MARZALL, COMMISSIONER OF PATENTS

No. 11008, Decided March 6, 1952

[— F.2d — : 92 USPQ 306]

1. REDUCTION TO PRACTICE — SUFFICIENCY OF TESTS—CRITERIA.

In determining whether laboratory or similar tests are sufficient to constitute a reduction to practice, *Held* that the considerations are two: First, do the tests employed show that the product will serve the purpose for which it is designed, and show this so conclusively that practical men will, without more, take the risk of putting it into immediate commercial production and use? Second, would the time, effort and expense of conducting actual field experiments be unjustified because of the small likelihood that they would yield substantially greater knowledge concerning the product's performance?

2. SAME—SAME—EFFECT OF DELAY IN FILING APPLICATION.

Although lack of diligence can indicate lack of conviction that a product's utility has been proved, *Held* that where the suspension of activities was due primarily to other reasons, a delay of three years in filing the application was insufficient to destroy the weight of the proof of actual reduction to practice.

3. SAME — CORROBORATION OF INVENTOR'S TESTIMONY—VERIFIED REPORT OF TESTS SUFFICIENT.

Held that the requirement for corroboration of the inventor's testimony as to reduction to practice, if necessary at all, is satisfied where a verified report of the laboratory tests is put in evidence, without objection, and there is testimony that such report was contemporaneously received and considered.

4. PATENTABILITY—PARTICULAR SUBJECT MATTER—WELL DRILLING FLUID.

The judgment of the district court that the appellant had not sufficiently shown that he had completed his invention of a well drilling fluid prior to the disclosure thereof in an earlier application of a third party is reversed.

APPEAL from the United States District Court for the District of Columbia.

REVERSED.

John H. Bruninga (*Richard G. Radue* of counsel) for appellant.

E. L. Reynolds (*H. S. Miller* of counsel) for appellee.

Before EDGERTON, PRETTYMAN and WASHINGTON, *Circuit Judges*

WASHINGTON, *Circuit Judge*:

Appellant Delmar Larsen seeks to obtain a patent, in a suit brought under R. S. 4915, 35 U. S. C. § 63, covering a fluid composition to be used in the drilling of oil wells.[1] The Patent Office denied the application because it thought Larsen had not sufficiently shown that he had completed his invention prior to disclosure of the composition in the earlier application of a third party. This view was sustained by the district court. It constitutes the sole defense relied on and the only one on which we pass. *Montgomery* v. *Marzall*, 88 U. S. App. D. C. 281, 285, 189 F.2d 640, 644, 646 O. G. 345; *Hoover Co.* v. *Coe*, 325 U. S. 79, 89, 576 O. G. 393.

From the district court's findings, it appears that at the time he conceived his invention Larsen was employed by the National Lead Company, Baroid Sales Division, as Manager of Research and Development. Under him worked one George S. Miller, a chemist in Baroid's laboratory. Both Miller and Larsen were subject to the supervision of Baroid's manager, George L. Ratcliffe. During February and March of 1941, Larsen wrote out and disclosed to Miller and Ratcliffe a description of his idea. Under Larsen's direction, Miller then proceeded to conduct certain laboratory tests of the fluid, the tests being performed "In accordance with the Recommended Practice on Standard Field Procedure for Testing Drilling Fluids theretofore established by the American Petroleum Institute." Finding of Fact No. 8. On March 17, 1941, a written report of these tests was made by Miller to Larsen, indicating the superiority of Larsen's fluid over others then known in the art. This report was submitted to Ratcliffe, and no further tests were made at the time.

[1] In drilling wells by the rotary drilling system, a fluid is pumped into the drill-pipe under pressure which forces it out through holes in the bit at the lower end. The bit being of larger diameter than the pipe, an annular space is formed between the wall of the bore and the pipe itself, and the fluid is forced up through this space and out at the top of the well. The fluid is intended to bring up with it the drill cuttings.

For efficient performance of its function, it is desirable that the drilling fluid have a "sealing" quality which prevents loss of the fluid by filtration through the bore wall. This quality must be supplied, moreover, by a substance which will not impair other necessary characteristics of the fluid and which will be effective over a wide temperature range. Larsen uses a natural asphalt to impart this sealing quality to drilling fluids having an oil base. His claim 1, which is typical, reads as follows:

"An oil-base well-drilling fluid containing a natural asphalt of a type and character dispersible in oil and chosen from the group consisting of gilsonite, manjak, glance pitch and grahamite, in an amount sufficient to substantially reduce the filtration loss."

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On April 17, 1944, more than three years later, Larsen filed the application in suit. Meanwhile, by June 16, 1942, Miller had filed three applications for patents on drilling fluids, which were subsequently granted. For the purposes of the present litigation, Larsen and the Patent Office are in substantial agreement that Miller's applications disclosed but did not claim Larsen's composition. Thus we have, not an interference, but the question whether Larsen can show that he had conceived his invention and reduced it to practice before Miller's application was filed. On this point, the Patent Office and the district court ruled Larsen's proof insufficient.

Insofar as the district court's findings are of fact, we agree with them and adopt them. Even if we disagreed, we would not overturn them lightly. Rule 52(a), Fed. R. Civ. P.; *Wynne* v. *Boone*, 88 U. S. App. D. C. 363, 191 F.2d 220; *Standard Oil Development Co.* v. *Marzall*, 86 U. S. App. D. C. 210, 181 F.2d 280, 633 O. G. 995. But certain of the findings here are more in the nature of conclusions of law. These include the trial court's determination as to the sufficiency of the laboratory tests to constitute reduction to practice and its conclusion concerning the adequacy of corroboration. Findings of Fact Nos. 13, 14, and 17. On the legal aspects of these questions, we must form an independent judgment.

Both the Patent Office and the trial court deemed the 1941 tests insufficient to constitute a reduction to practice because "Larsen did not carry out any demonstration of the invention by actual use" of his fluid in an oil well. Finding of Fact No. 12. [1] With some products, it is clear that actual use may be necessary to show reduction to practice. *Fageol* v. *Lyon*, 53 App. D. C. 361, 290 Fed. 336; *Smith* v. *Bousquet*, 27 CCPA 1136, 111 F.2d 157, 519 O. G. 800; *Payne* v. *Hurley*, 21 CCPA 1144, 71 F.2d 208, 448 O. G. 3; see *Knutson* v. *Gallsworthy*, 82 U. S. App. D. C. 304, 315, 164 F.2d 497, 508, 608 O. G. 215. With others, however, laboratory (or similar) tests may be sufficient. *Corona Cord Tire Co.* v. *Dovan Chemical Corp.*, 276 U. S. 358, 373–74, 383–84, 370 O. G. 1011; *Rogers* v. *Willoughby*, 55 App. D. C. 65, 71–72, 1 F.2d 824, 830–31; *Sinko Tool & Mfg. Co.* v. *Automatic Devices Corp.*, 157 F.2d 974, 977–78 (2d Cir.). The governing considerations are two: First, do the tests employed—in actual use or in the laboratory—show that the product will serve the purpose for which it is designed, and show this so conclusively that practical men will without more take the risk of putting it into immediate commercial production and use? Second, would the time, effort and expense of conducting actual field experiments be unjustified because of the small likelihood that they would yield substantially greater knowledge concerning the product's performance? Both criteria are satisfied in the present case. The tests which were made in March 1941 were at that time the standard ones employed by the industry, and "drillers relied upon such tests conducted by laboratory apparatus outside of the well in order to determine the utility and functioning of a drilling fluid." Finding of Fact No. 9. And since "it was impossible to conduct those tests at the bottom of the well or along the well bore," ibid, we conclude that what was done constituted a sufficient reduction to practice.

[2] In reaching this conclusion, we have considered the significance to be accorded Larsen's delay of three years in filing his application. Lack of diligence can, of course, indicate lack of conviction that a product's utility has been proved. See *Chittick* v. *Lyons*, 26 CCPA 1382, 104 F.2d 818, 822, 509 O. G. 785. But suspension of research activities and reluctance to market a new product during the war, as well as the desirability of obtaining asphalt mines before going into production, appear to have been the major reasons for Baroid's temporary shelving of Larsen's invention. App. 52–54; Finding of Fact No. 15. In *Seeberger* v. *Russel*, 26 App. D. C. 344, where a delay of two and one-half years occurred, we said that this was "insufficient to destroy the weight of the proof of actual reduction to practice." We think the same is to be said of the instant case.[3] See also *Sinko Tool & Mfg. Co.* v. *Automatic Devices Corp.*, 157 F.2d 974, 976–77 (2d Cir.).[3]

Drawing for support on interference cases,[4] the Patent Office contends that an inventor's testimony as to conception and reduction to practice requires corroboration. Here, the Patent Office agrees with the district court's finding that "Plaintiff Larsen's testimony as to conception of the invention prior to Miller's filing date was corroborated by Ratcliffe and by documents having dates prior to Miller's filing dates." Finding of Fact No. 11. [3] We think that the corroboration with respect to reduction to practice, if necessary at all, was likewise sufficient. The Patent Office specifically concedes "that [the 1941 laboratory] tests by Miller, whatever such tests were worth, inured to the benefit of appellant." Br. p. 7. Miller's report of March 17, 1941, setting forth the successful completion of the laboratory tests, was put in evidence, without objection on the part of the Patent Office. It was a sworn statement, to which were attached detailed tables showing the results of the laboratory tests. Ratcliffe testified that he had contemporaneously received and considered it. Further corroboration could not reasonably be required.[5]

[4] We think it was error to deny a patent to Larsen on the ground that the disclosures in Miller's applications stood as a bar. The judgment of the district court must therefore be reversed, and the case remanded for further proceedings not inconsistent with this opinion.

REVERSED.

[3] We note that there was no concealment of the invention during this period such as would imply an attempt to keep the product from the public until its discovery by another. Compare *Brown* v. *Campbell*, 41 App. D. C. 499; *Lederer* v. *Walker*, 39 App. D. C. 122; *Mason* v. *Hepburn*, 13 App. D. C. 86. Larsen disclosed his conception to Ratcliffe, as well as to his competitor-associate, Miller, by whom the reduction to practice was actually carried out.

[3] It is said that Larsen delayed till the last possible moment before filing his application: if he had waited another five days, more than a year would have elapsed since the issue date of the first Miller patent, and he would have been barred under R. S. 4886, 35 U. S. C. § 31, and former Rule 75 of the Patent Office. But he did not wait the five days, and if Congress has fixed a limitation of 365 days, it is not for us to fix one of 360.

[4] *Mergenthaler* v. *Scudder*, 11 App. D. C. 264; *Winslow* v. *Austin*, 14 App. D. C. 137, 141; *Garrels* v. *Freeman*, 21 App. D. C. 207, 212; *Kitchen* v. *Smith*, 35 App. D. C. 500, 503; *Mathieson Alkali Works, Inc.* v. *Crowley*, 78 U. S. App. D. C. 163, 138 F.2d 281, 557 O. G. 405.

[5] Compare *Rosinski* v. *Whiteford*, 87 U. S. App. D. C. 313, 184 F.2d 700.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,120,667, B. Gruskin, Therapeutic agent for use in the treatment of infection, suit for declaratory judgment filed Apr. 7, 1952, D. C., S. D. N. Y., Doc. 74/310, *Bristol-Myers Co.* v. *Ryntan Co., Inc.*

2,129,778, H. A. Middleton, Liquid cooling and transporting system, C. C. A., 8th Cir., Doc. 14464, *H. A. Middleton* v. *S. C. Wiley et al.* Judgment of district court insofar as it denied plaintiff compensatory damages reversed Apr. 8, 1952.

2,146,281, C. A. Anderson, High wet strength paper and process for making such paper, D. C. N. H. (Concord), Doc. 948. *C. A. Anderson* v. *Brown Co.* Stipulation of dismissal without prejudice (notice Mar. 28, 1952).

2,177,627, R. G. Drew, Adhesive sheeting (declaratory judgment), D. C., S. D. N. Y., Doc. 71/129, *Technical Tape Corp.* v. *Minnesota Mining & Mfg. Co.* Order dismissing complaint for lack of jurisdiction (notice Mar. 31, 1952).

2,189,154, A. P. Stewart, Templet, C. C. A., 6th Cir., Doc. 11434, *Industrial Models Corp.* v. *Albert Kurtz Co. et al.* Judgment of district court entered Mar. 29, 1951, affirmed Apr. 11, 1952.

2,233,334, M. B. Austin, Jr., Support for electric fixtures, filed Apr. 10, 1952, D. C. Conn. (New Haven), Doc. 3731. *M. B. Austin, Jr.* v. *The Fast-Lok Mfg. Co.*

2,269,067, W. D. Winders, Record keeping apparatus, filed Apr. 10, 1952, D. C., S. D. Ohio (Columbus), Doc. 3433, *W. D. Winders* v. *Remington Rand, Inc.*

2,306,736, T. M. Linville, Dynamo-electric machine, filed Apr. 10, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c779, *International Latex Corp.* v. *Sears, Roebuck and Co.*

2,342,551, D. Levkoff, Folding box, C. C. A., 1st Cir., Doc. 4601, *Associated Folding Box Co., Inc., et al.* v. *D. Levkoff et al.* Judgment of district court set aside and case remanded to that court for the entry of a judgment for the defendants (notice Apr. 1, 1952).

2,386,590, V. Calhoun, Catamenial device, D. C., E. D. Mo. (St. Louis), Doc. 4047, *Calhoun Products Corp.* v. *Gasen's Drug Stores, Inc.* Judgment dismissing cause with prejudice Apr. 10, 1952.

2,403,473, S. Ansbacher, Therapeutic composition, filed Apr. 10, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14003–T, *American Home Products Corp.* v. *Wilshire-Carthay Corp.*

2,405,866, C. E. Weller, Electrical heating apparatus, filed Apr. 1, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c714, *Weller Mfg. Co. et al.* v. *Wen Products, Inc., et al.*

2,450,866, Morehouse & Mayfield, Poultry treatment composition, appeal filed Jan. 28, 1952, C. C. A., 8th Cir., Doc. 14535, *I. D. Russell Co. et al.* v. *Dr. Salsbury's Laboratories.*

2,467,001, P. E. Allen, Scuff pad for automobile fender, C. C. A., 6th Cir., Doc. 11335, *No-Mar Mfg. Co.* v. *Budd Barr Industries et al.* Judgment appealed from is affirmed Apr. 8, 1952.

2,487,434, Geiss & Montgomery, Flexible nozzle operated dispensing valve, filed Feb. 21, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c430, *Bowman Dairy Co.* v. *Aerated Container Corp.*

2,488,507, Burdick & Glenn, Synthetic star rubies and star sapphires, and process for producing same, D. C., S. D. N. Y., Doc. 56/356, *Union Carbide & Carbon Corp.* v. *W. V. Schmidt Co., Inc.* Consent judgment that defendant has infringed patent; injunction (notice Mar. 28, 1952).

2,502,632, B. Platt, Softsided hand luggage, filed Mar. 31, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c709, *Platt Luggage, Inc.* v. *S. Dresner & Son, Inc.*

2,515,604, J. S. Kish, Automobile bug deflector, filed Mar. 12, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c565, *E. E. Evans* v. *Fortune Mfg. Co.* Doc. 52c566, *E. E. Evans* v. *Sinko Mfg. & Tool Co.*

2,531,234, P. H. Seckel, Longitudinally separable extruded thermoplastic strip and process of producing same, filed Apr. 9, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. 12570, *R. A. Fisch* v. *Marcus Orback.*

2,532,205, W. J. Summers, Coin selector, D. C., S. D. Ohio (Cincinnati), Doc. 2604, *Royal Patent Corp. et al.* v. *Monarch Tool & Mfg. Co.* Patent held invalid, complaint dismissed Apr. 11, 1952.

2,558,293, A. E. Feinberg, Apparatus for starting and operating gaseous discharge devices, filed Mar. 6, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c528, *Advance Transformer Co.* v. *N. Bromberg.*

2,559,375, S. Schaffan, Jr., Miniature track unit, D. C. N. J. (Newark), Doc. 752/51, *S. Schaffan, Jr.* v. *R. Pearc et al.* Consent decree for injunction (notice Apr. 2, 1952).

2,566,193, A. Grossman, Diaper holder, filed Mar. 10, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c551, *A. Grossman* v. *Alpinlea Diaper Pantie Co. et al.*

2,577,710, E. G. McDonough, Permanent waving compositions and method, filed Apr. 8, 1952, D. C., S. D. N. Y., Doc. 74/330, *Caryl Richards, Inc.* v. *H. I. Davidson.*

2,588,183, J. Vigon, Hollow fluorescent character and mounting, filed Mar. 5, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c512, *Precision Plastic Products Co.* v. *Neo Products Co.*

Des. 151,732, W. G. Bley, Lady's stocking, filed Apr. 10, 1952, D. C., E. D. Pa. (Philadelphia), Doc. 13522, *Sanson Hosiery Mills, Inc., et al.* v. *Y. & B. Hosiery Co., Inc.* Doc. 13523, *Sanson Hosiery Mills, Inc., et al.* v. *Penn Maid Hosiery Mills, Inc.*

Des. 151,733, W. G. Bley, Lady's stocking, filed Apr. 4, 1952, D. C. E. D. Pa. (Philadelphia), Doc. 13497, *Sanson Hosiery Mills, Inc., et al.* v. *Mayfair Hosiery Co. Inc.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 203,616, Successful Farming Publishing Co., Monthly publication, filed Apr. 1, 1952, D. C., S. D. N. Y., Doc. 74/248, *Meredith Publishing Co.* v. *David Lawn Productions.*

T. M. 404,096, C. J. Strubel, Medicinal preparation, filed Mar. 7, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c548, *C. J. Strubel* v. *E. R. Squibb & Sons.*

T. M. 408,716, L. R. Millo, Newspaper article, filed Apr. 7, 1952, D. C. Md. (Baltimore), Doc. 5784, *L. R. Millo* v. *General Motors Corp. et al.*

T. M. 424,690, The Vad Corp., Lipsticks and cleansing creams, filed Mar. 27, 1952, D. C., S. D. N. Y., Doc. 74/211, *Vad Mfg. Co., Inc.* v. *Coty, Inc.*

T. M. 553,880, Foley & Co., Throat lozenges, filed Feb. 21, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c436, *Foley & Co.* v. *Laboratory Products Co.*

NOTICES

Adjudicated Patents

(D. C. Ill.) Stein Patent No. 1,958,725, for clutch release thrust bearings. Claims 1, 2, 4, and 5, *Held* valid and infringed. *Aetna Ball & Roller Bearing Co.* v. *Standard Unit Parts Corp.*, 103 F. Supp. 26; — USPQ —.

(D. C. Ill.) Stein Patent No. 2,140,818, for clutch release thrust bearings. Claims 1, 4, 7, and 8, *Held* valid and infringed. *Id.*

(C. A. Ill.) Fitch Patent No. 2,219,865, for an impact wrench. Claim 7 *Held* invalid and uninfringed. *Independent Pneumatic Tool Co.* v. *Chicago Pneumatic Tool Co.*, 194 F.2d 945; — USPQ —.

(C. A. Ill.) Amtsberg Patent No. 2,219,883, for an impact wrench. Claims 6, 8, 18, and 30, *Held* valid and uninfringed. *Id.*

(D. C. Ill.) Stein Patent No. 2,230,471, for clutch release thrust bearings. Claims 1, 2, 3, and 4, *Held* valid and infringed. *Aetna Ball & Roller Bearing Co.* v. *Standard Unit Parts Corp.*, 103 F. Supp. 26; — USPQ —.

(C. A. N. J.) Burdick and Glenn Patent No. 2,488,507, for synthetic star rubies and star sapphires, and process for producing same, *Held* valid and infringed. *Union Carbide and Carbon Corporation* v. *Stuart Laboratories, Inc., et al.*, 194 F.2d 823; 92 USPQ 262.

(D. C. Mich.) Wreford Patent No. 2,504,777, for a welding cable. Claims 7 to 10, *Held* valid and uninfringed. *Wreford et al.* v. *Mackworth G. Rees, Inc.*, 103 F. Supp. 220; 92 USPQ 344.

(D. C. Tex.) Christopher and Spear Patent No. 2,541,637, for a method of vaporizing lindane in ventilated rooms, *Held* valid and infringed. *American Aerovap, Inc.* v. *Cauthorn et al.*, 103 F. Supp. 9; — USPQ —.

(D. C. Tex.) Field Patent No. 2,555,402, for a housed opaque picture projector, *Held* valid and infringed. *Charles Beseler Co. et al.* v. *J. Y. Taylor & Co. et al.*, 103 F. Supp. 201; — USPQ —.

Cancellation Notice

The Geneva Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by The Borden Company, 350 Madison Avenue, New York 17, N. Y., to effect the cancellation of trade-mark registration of The Geneva Corporation, Lake Geneva, Wisconsin, No. 403,914, dated October 19, 1943, and the notice of such proceeding sent by registered mail to the said The Geneva Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Geneva Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—May 27, 1952.)

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

May 12, 1952.

Disclaimers

2,404,918.—*Wilcox P. Overbeck*, Waltham, Mass. COUNTING SYSTEM. Patent dated July 30, 1946. Disclaimer filed May 1, 1952, by the assignee, *Research Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 10, 11, 12, and 13 of said patent.

2,110,452.—*George Moyer*, Chicago, Ill. FURNACE. Patent dated Mar. 8, 1938. Disclaimer filed Apr. 22, 1952, by the assignee, *Riley Stoker Corporation.*

Hereby enters this disclaimer to claims 1, 2, and 3 of said patent.

Classification Order No. 126

The following transfers are hereby directed to take effect as follows:

On May 12, 1952—
From Division 17 to C. E. D.:
Class 93, Paper Manufactures.

On June 2, 1952—
From Division 17 to C. E. D.:
Class 53, Package Making.
From C. E. D. to Division 13:
Class 29, Metal Working, subclasses 26 through 65.
Class 90, Gear Cutting, Milling, and Planing, subclasses 1 through 23, and 62.

M. C. ROSA,
Executive Examiner.

May 8, 1952.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,502,632. Soft-Sided Hand Luggage Having Shape-Retaining End Walls. Patented Apr. 4, 1950. Hand luggage made in accordance with this invention includes reinforcing means which resist deformation or destruction of the luggage, thereby increasing its useful life. More particularly, the reinforcing means comprise pre-formed end shells which are incorporated into the end walls of the luggage. The end shells include marginal flanges along at least two sides thereof which are secured to the adjacent walls of the luggage by means of stitching, although other forms of fastening may be employed if desired. This invention may be generally practiced without detracting from the appearance and design of the luggage. (Owner) Platt Luggage, Inc. Correspondence to Paul Platt, 2001 Elston Ave., Chicago 14, Ill. Group 31—61. Reg. No. 47,739.

Pat. 2,559,280. Center and Eccentric Point Marker. Patented July 3, 1951. A centering and layout tool has a base with a pair of scales slidably mounted thereon. A pair of blocks are positioned below the base to engage a work piece. A stud connected to each block extends upwardly through a complemental slot in each scale. A thumb nut connected to upper end of each stud releasably clamps the blocks to the scales. A traversing bar rotatably supported on the base has oppositely threaded sections. An arm secured to each scale threadedly receives the bar and travels back and forth thereon as the bar is turned by thumb wheels at each end of bar. (Owner) Henry C. Cochran, 1001 MacArthur Blvd., Oakland 10, Calif. Groups 33—52; 35—43—65. Reg. No. 47,740.

Pat. 2,303,761. Clothesline Prop. Patented Dec. 1, 1942. Wooden prop is provided with a self-locking all-wood latch construction to prevent disengagement of a clothesline therefrom. A channel within the upper end of the prop extends downwardly into a cut-out in the side of the prop, and a keyway extends downwardly from the cut-out. A wooden pin freely slidable in the channel is secured at its lower end to a wooden latch having a tongue normally engaging the keyway. The upper end of the channel is closed by a removable plug. To insert or remove a clothesline, it is necessary only to raise the latch. (Owners) Thomas Charles Reese and Albert E. Hess. Correspondence to Louis Necho, 1518 Walnut St., Philadelphia 2, Pa. Groups 25—99; 40. Reg. No. 47,741.

Pat. 2,578,266. Wheel Rotating Device. Patented Dec. 11, 1951. A detachable auxiliary starter for motor vehicles for emergency use. A manually operated lever mechanism is attached to one of the rear wheels, after vehicle is jacked up, for turning the wheel. A circular base plate has a pair of radial arms with adjustable extensions. A Y-shaped yoke is adjustably mounted on each extension to clamp over a tire. A cam disk rotatably mounted on stub axle of base plate has a pair of cam slots to receive bolts on inner ends of the extensions. A hand lever rotatably mounted on the axle has a pawl engaging a ratchet wheel fixed to the axle to turn the device. A handle extension of the lever may be detached and used to turn the cam disk to extend and retract the yokes. (Owner) John Schaefer, Strum, Wis. Groups 35—69; 38—31. Reg. No. 47,742.

Pat. 2,580,081. Pie Crust Trimming and Scalloping Device. Patented Dec. 25, 1951. Device consists of a pie crust trimming disk rotatably mounted on an axle secured to a handle, and a number of hemispherical crimping elements mounted on the axle to rotate with the disk. When the disk is rotated about the periphery of a pie-holding tin, the overlapping edges of the pie dough will be trimmed and the cut edges inside the pie-holding tin will be simultaneously crimped to form a closed edge for the pie prior to baking. (Owner) Mary Di Domenico, 1408 North Kedzie Ave., Chicago, Ill. Groups 33—51—73; 34—41; 40. Reg. No. 47,743.

Pat. 2,581,045. Thermostatic Regulating Valve. Patented Jan. 1, 1952. Automatic regulating valve may be installed against the wall of a hot water tank to maintain the water at substantially constant temperature by controlling the flow of fuel to the burner. When the valve is substantially closed, a small amount of fuel flows therethrough to maintain pilot flame of burner. The valve comprises a rectangular box-like casing having an inlet and an outlet for the passage of fuel therethrough. A flanged nipple inserted in the inlet is formed with an arcuate valve seat and a stop ridge. A bi-metal strip within the casing has an arcuate foot to move across the valve seat into engagement with the stop ridge to substantially close the valve. An adjustable thumb screw extending through a removable cover of the casing carries a coil spring on the inner end engaging the bi-metal strip. (Owner) Robert D. Rhoads, 211 Eighth St., Franklin, Pa. Group 33—61—66. Reg. No. 47,744.

Pat. 2,383,139. Aircraft. Patented Aug. 21, 1945. A mounting for the screw blades of a helicopter which permits the use of as many blades as are desired. The screw blades are mounted on tubular hubs attached to the outer perimeter of a tubular ring supported on a universal joint and encircling the axis of a rotating lifting screw. The pitch control levers are attached to a push-pull rod which works through a hollow axle. A flexible steel cable is threaded around through the tubular ring, out through the hubs and attached to the blades. (Owner) Cecil E. McGuire, 2401 10th St., Douglas, Ariz. Group 37—21—22. Reg. No. 47,745.

United States Government Owned Patents

The following U. S. Letters Patent and applications for Letters Patent owned by the United States Atomic Energy Commission have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number or serial number and title.

Pat. 2,578,416. Methods of Making Neptunium Chlorides. Patented Dec. 11, 1951. This patent covers a process for the preparation of neptunium trichloride from neptunium dioxide, comprising reacting the latter compound with a chlorine-containing compound of carbon such as carbon tetrachloride in the presence of hydrogen at a temperature of between 300° and 530° C. Group 28—89. Reg. No. 47,746.

Pat. 2,579,225. Adjustable Supports for Spectrometer Reflectors. Patented Dec. 18, 1951. This patent covers a mounting arrangement for a reflector for use in a spectrometer, wherein manual means are provided for adjusting the radius of curvature of a reflector, and means for adjusting its lateral and angular position about a horizontal axis. Group 36—13. Reg. No. 47,747.

Pat. 2,586,027. Casting Apparatus. Patented Feb. 19, 1952. This patent describes a casting apparatus for the centrifugal casting of metals in vacuo wherein provision is made for balancing the rotor before actuation. Groups 33—21—22—23—24; 34—91. Reg. No. 47,748.

Pat. 2,586,550. Halogen-Substituted Acetyl Peroxide Catalyst for Halo-Olefin Polymerization. Patented Feb. 19, 1952. This patent covers a method for preparing a solid high molecular weight polymer of trifluorochloroethylene comprising treating the monomer with a small amount of trichloroacetyl peroxide at a temperature in the range of −20° to 0° C. and at a pressure of at least 500 pounds per square inch. Group 28—83. Reg. No. 47,749.

Pat. 2,586,984. Apparatus for Governing Fluid Flow. Patented Feb. 26, 1952. This patent describes an easily manufactured, conveniently operated, practical apparatus to provide a non-fractionating capillary leak. The apparatus comprises a length of metal tubing, a cylindrical element positioned therein to provide an annular fluid-con-

ducting passage of reduced cross-section in the tubing, and adjustable gripping means astride the tubing and bearing thereon for equally increasing or decreasing all portions of the cross-sectional area of said passage. Group 33—66. Reg. No. 47,750.

Pat. 2,587,426. Pulse Forming Network. Patented Feb. 26, 1952. This patent pertains to a pulse forming control network which is responsive to a predetermined frequency of a frequency modulated signal voltage to form a pulse at the predetermined frequency according to the direction of frequency shift, and is independent of amplitude modulation and extraneous interference. Group 36—61—62. Reg. No. 47,751.

Pat. 2,587,919. Electrical Apparatus for Simulating the Time Dependent Response for Characteristic of Neutronic Reactors. Patented Mar. 4, 1952. This patent describes an electrical instrument adapted to simulate the time dependent response characteristic of a neutronic reactor. This simulator is so designed that an electric parameter, such as voltage, varies with time in exactly the same manner as does the neutron density of a reactor. The device has many uses in connection with the design and operation of a nuclear reactor. Group 36—13. Reg. No. 47,752.

Pat. 2,588,041. The Separation of Metal Values in Fluoride Compositions. Patented Mar. 4, 1952. This patent describes a method for recovering the valuable components of a solid sludge which contains potassium, nickel, iron, and fluorine values and which is obtained in the electrolysis of potassium acid fluoride to produce fluorine. The solid sludge is treated with sufficient ammonium hydroxide to dissolve the nickel and potassium and precipitate the iron. The solution containing nickel, potassium, ammonium, and fluoride values may be suitably treated to recover nickel fluoride, potassium fluoride, and ammonium fluoride. Group 28—89. Reg. No. 47,753.

Pat. 2,588,153. Method of Making Metal Hydride. Patented Mar. 4, 1952. This patent covers a process for making the hydride of a heavy metal, such as uranium, of high bulk compressibility, comprising subjecting the heavy metal at a temperature of 500° to 700° C. to the action of hydrogen under a pressure of more than 1000 pounds per square inch and compressing the crystalline hydride at a pressure in the range of 75 to 175 tons per square inch. Groups 28—89; 32—95. Reg. No. 47,754.

Pat. 2,588,466. Electrical Generator. Patented Mar. 11, 1952. This patent covers an improved high current homopolar generator which employs a liquid metal brush comprising an alloy of sodium and potassium. Group 36—19. Reg. No. 47,755.

Pat. 2,588,564. Thermoelectrically Balanced Meter Network. Patented Mar. 11, 1952. This patent covers an electrical resistance network so arranged as to overcome the adverse effects of thermoelectric currents resulting from the juncture of different metals and changes in the ambient temperature of the system and the connections therein. Group 36—19. Reg. No. 47,756.

Pat. 2,588,734. Pretreatment of Beryllium Prior to Coating. Patented Mar. 11, 1952. This patent discloses a method for preparing the surface of beryllium metal so that the same may be subsequently covered with a smooth, uniformly adherent metal coating. The surface is prepared by an anodic etch of the beryllium metal object immersed in an electrolyte comprising a mixture of a strong polybasic oxygen containing inorganic acid and a strong monobasic oxygen-free acid, e. g., a mixture of phosphoric acid and hydrochloric acid. The etched surface may be further improved by briefly immersing the beryllium object in a solution containing sulfate ions, such as an aqueous ammonium sulfate solution. Group 28—89. Reg. No. 47,757.

Pat. 2,588,789. Neutron Detector. Patented Mar. 11, 1952. This patent covers a neutron responsive device comprising essentially a closed vessel of glass tubular shape, the inner surface of which is coated with a material which emits alpha particles when irradiated with neutrons. The vessel contains an ionizable gas and a pair of spaced apart discharge electrodes. The inner end of one electrode is rounded while the inner end of the other electrode is pointed. Group 36—13. Reg. No. 47,758.

Pat. 2,589,391. Boron Chloride Production From an Alloy of Boron With Tantalum. Patented Mar. 18, 1952. This patent covers a method of recovering boron from an alloy of boron and tantalum. The alloy is treated with a stream of chlorine gas at a temperature between 575° and 900° C. Tantalum chloride is continuously condensed from the gaseous reaction products, and the resulting gas stream of chlorine and boron chloride is treated to recover the boron chloride. Group 28—89. Reg. No. 47,759.

Pat. 2,590,057. Half-Life Determining Method. Patented Mar. 18, 1952. This patent covers an improved counting method and apparatus for determining the rate of change of non-linear physical phenomena by measuring the number of pulses emitted by a radioactive decaying sample within each of a plurality of known time intervals. Group 36—13. Reg. No. 47,760.

Pat. 2,590,426. Processes for Photochemical Chlorination of Hydrocarbons. Patented Mar. 25, 1952. This patent covers a process for photochemical chlorination of heptane to approximately 80 per cent chlorine. The chlorination of the heptane is accomplished in the presence of actinic light by contacting with chlorine which is diluted with approximately equal volume of inert gas for a first period of about 48 hours at a temperature gradually rising from 25° to 50° C., then contacting with undiluted chlorine for a further period of about 80 hours at a temperature gradually rising to approximately 150° C. Group 28—89. Reg. No. 47,761.

Pat. 2,590,826. Oscillator Controlled Relay Circuits. Patented Mar. 25, 1952. This patent pertains to an electronic control system particularly designed to provide accurate liquid level or liquid density control of reacting liquids which is operable without requiring any mechanical or electrical contact between the control apparatus and the material whose level or density is being controlled. The system includes tuned oscillator and associated circuit with an amplifier system so arranged that the oscillator is at all times under the control of a float which is disposed within the liquid whose level or density is to be controlled. Group 36—19. Reg. No. 47,762.

Pat. 2,590,925. Proportional Counter. Patented Apr. 1, 1952. This patent covers a proportional counter system comprising a counter tube employing a polyatomic filling gas, a suitable amplifying system which provides for pulse amplification and overshoot reduction, and having as a characteristic of its operation a relatively long voltage plateau of less than 1 per cent rise in counting rate. The counter is suitable for accurately detecting and measuring all forms of radiation. Group 36—13. Reg. No. 47,763.

Pat. 2,591,247. Coincidence Amplifiers. Patented Apr. 1, 1952. This patent covers an improved coincidence amplifier circuit capable of accurately determining the quantity of high speed particles traveling in a predetermined direction. The output signals of this multichannel amplifier are applied to a mixer in such a manner that a signal has to appear simultaneously at the output of each channel before a signal will appear at the output of the mixer. Group 36—61—62. Reg. No. 47,764.

Pat. 2,591,998. Leak Detector. Patented Apr. 8, 1952. This patent covers an improved gas-leak detector of the mass spectrometer type and involves an electric circuit for periodically directing ions corresponding to the indicator gas onto the ion receiver and for amplifying the resulting periodic current thereby providing a leak detector of great sensitivity. Group 36—13. Reg. No. 47,765.

Pat. 2,592,416. Indicating Devices for Radioactivity Intensity. Patented Apr. 8, 1952. This patent covers an improved counting rate meter circuit which will deliver pulses of uniform magnitude. An important feature of the circuit is an impedance load including a choke to provide a back E. M. F. which is substantially independent of input pulse size and furnishes an indication proportional to the pulse rate. Group 36—13. Reg. No. 47,766.

Pat. 2,593,948. Distributed Coincidence Circuit. Patented Apr. 22, 1952. This patent covers an improved wideband circuit for detecting pulses of varying amplitude based on the principle of distributed amplification, which has a resolving time of the order of 10^{-8} second. In this circuit the necessary balancing of the interelectrode capacitances for the two circuits is accomplished by providing staggered connections between the related grid of the tubes and the grid lines. Group 36—61—62. Reg. No. 47,767.

Applications for Letters Patent

Serial No. 748,433. Survey Instrument. This patent application is directed to an improved pulse type of survey instrument suitable for readily detecting alpha particles in the presence of high beta and gamma backgrounds. The instrument may also be used to survey for neutrons, beta particles and gamma rays by employing suitably designed interchangeable probes and selecting an operating potential to correspond to the particular probe. Group 36—13. Reg. No. 47,768.

Serial No. 249,374. Electronic Grid and Method of Making Same. This patent application discloses an improved grid construction and method for obtaining the same. The method is particularly adapted to make a grid having parallel wires in which parallelism will be maintained under use, such as in a klystron or the like. Group 36—61—92. Reg. No. 47,769.

Correction

Pat. 2,489,752. Tubular Falling-Film Exchanger, listed by E. I. du Pont de Nemours and Company, in the Register Section of the OFFICIAL GAZETTE, Nov. 13, 1951, should read Pat. 2,498,752.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING APRIL, 1952

EX PARTE HILLERICH & BRADSBY CO., 173 Ms. D. 756, 93 USPQ 73, April 1, 1952, Serial No. 499,230.

The applicant petitioned that the Commissioner clarify and reconsider his decision of January 28, 1952, affirming the Examiner's decision refusing registration of an oval design on baseball bats. It was again held the record did not show that the design had acquired trade-mark significance apart from other matter presented therewith. It was held that the application had been amended to omit reference to five years' exclusive use of the mark, and, since the applicant now relies on proof of distinctness separately submitted, the reference to the matter of five years' exclusive use in the original decision is irrelevant and should be disregarded. It was further pointed out that the oval design cannot be said to be distinctive of applicant's bats when the same design has been used by others in the same manner for the same goods, and the contention that the other company's use is part of applicant's use because the company sells bats manufactured by applicant is without merit. *Assistant Commissioner Klinge* denied the petition with respect to making any change in the original decision except to the extent indicated.

EX PARTE BROWN & BIGELOW, 173 Ms. D. 755, 93 USPQ 72, April 1, 1952, Serial No. 554,855 and Serial No. 560,183.

Assistant Commissioner Klinge denied petitions for reconsideration with respect to making any change in his prior decisions of February 20, 1952, in the above identified applications. The petitioner urged that the references all embodied geometric designs in connection with the letter "B" while applicant's mark is limited to the letters "B" separated by an ampersand. It was held that the letter B is the dominant feature of the applicant's and the reference marks and it is well settled that the inclusion of additional subordinate matter is not sufficient to differentiate them. The fact that actual confusion has not arisen is not controlling, since, if likelihood of confusion exists, registration should be refused.

EX PARTE CARTER PUBLICATIONS, INC., 173 Ms. D. 765, 93 USPQ 104, April 8, 1952, Serial No. 586,131.

EX PARTE CARTER PUBLICATIONS, INC., 173 Ms. D. 764, 93 USPQ 104, April 8, 1952, Serial No. 586,132.

EX PARTE CARTER PUBLICATIONS, INC., 173 Ms. D. 764, 93 USPQ 105, April 8, 1952, Serial No. 586,133.

EX PARTE CARTER PUBLICATIONS, INC., 173 Ms. D. 763, 93 USPQ 105, April 8, 1952, Serial No. 586,135.

EX PARTE CARTER PUBLICATIONS, INC., 173 Ms. D. 762, 93 USPQ 106, April 8, 1952, Serial No. 586,136.

Assistant Commissioner Klinge affirmed the decisions of the Examiner in the above identified applications for registration, as service marks for entertainment services, of fictitious characters in the form of puppets to be used in television programs. Registration was refused by the Examiner on the ground that the mere representation of a character in a puppet show does not constitute a service mark within the meaning of sections 3 and 45 of the Trade-Mark Act of 1946. It was held that the issue presented by the above identified appeals was the same as that considered and decided on February 20, 1952, 92 USPQ 251, in a companion application Serial No. 586,134 and the Examiner was affirmed on the grounds set forth in that decision.

EX PARTE RADIO CORPORATION OF AMERICA, 173 Ms. D. 768, 93 USPQ 106, April 9, 1952, Serial No. 547,768.

Assistant Commissioner Klinge denied a petition for reconsideration of his decision of February 20, 1952, in the above identified application. It was held that the slogan "THE MUSIC YOU WANT WHEN YOU WANT IT" sought to be registered as a service mark was not used in the sale of services, nor could the applicant be considered a service organization, since the service which it renders in its musical program is one which is wholly incidental to the advertising and sale of the records used in the program.

EX PARTE EASTERN SHELL-CRAFT COMPANY, 173 Ms. D. 771, 93 USPQ 180, April 23, 1952, Serial No. 513,816.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration, under the provisions of the Trade-Mark Act of February 20, 1905, of the term "SHELL-CRAFT" for use on a toy kit for making jewelry. It was held that the mark is merely descriptive of the goods, the term "SHELL" denoting the name of the components of which the jewelry is made and the word "CRAFT" being merely descriptive of the character or quality of the goods in the form of a kit for making the jewelry.

EX PARTE BAILEY METER COMPANY, 173 Ms. D. 776, 93 USPQ 179, April 23, 1952, Serial No. 550,012.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration under section 2(f) of the act of July 5, 1946.

of the term "BOILER METER" for use on "operational performance guides for vapor power plants." It was held that, although a number of affidavits were filed to show that the term had acquired secondary meaning and distinctiveness by long exclusive use as a trade-mark, no amount of use of the generic name of the goods may be accepted as establishing distinctiveness, especially where others have used the same term in a generic sense to identify goods of the same class.

E. P. LYNCH, INC., v. W. J. LYNCH PAINT & VARNISH CO., INC., 173 Ms. D. 772, 93 USPQ 181, April 23, 1952. Cancellation No. 5542.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition for cancellation of the registration of the term "LYNCH" for use upon paints and varnishes for home and industrial use, in view of the petitioner's use, as a paint distributor, of "E. P. Lynch, Inc." on labels on goods of the same type. It was held that section 2(d) of the trade-mark act does not require that the petitioner be either the owner of a trade-mark or that its trade name be used as a trade-mark, nor does it require that the petitioner prominently display its trade name as the *producer* of the goods with which it is used. The respondent was held to have registered the distinctive and dominant part of the petitioner's trade name for use on goods of the same class as those of the petitioner, leading to the likelihood of confusion.

EX PARTE THE ELWELL-PARKER ELECTRIC COMPANY, 173 Ms. D. 778, —USPQ —, April 29, 1952, Serial No. 551,626.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration on the Supplemental Register under the Trade-Mark Act of July 5, 1946, of the notation "Industrial LOGISTICS" as a mark for services described as an advisory service for manufacturers, assemblers, distributors, warehouses and other materials-handling establishments wherein a study is made of the materials-handling practices and problems of establishment, etc. It was held that, while the description of the services in the "statement" in the application is not restricted to the use of applicant's goods, the exhibits filed to show the manner of use lead to the conclusion that the applicant is not engaged primarily in the business of rendering a service, but rather that of manufacturing and selling material-handling equipment. The applicant is, thus, not a service organization in the sense that it is engaged in the business of advising others in the operation of their business apart from the sale of special merchandise in which the applicant deals.

THE CUDAHY PACKING COMPANY v. YORK PHARMACAL COMPANY, 173 Ms. D. 781, — USPQ —, April 29, 1952. Interference No. 4384.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Mark Interferences adjudging that the junior party, The Cudahy Packing Co., is entitled to register the notation "SPOT-LIGHT" for use on cleaning preparations, the same notation having been registered by the senior party, York Pharmacal Company, for use on the same class of goods. It was held that the testimony of the junior party's witness was sufficient to establish that the junior party used its mark prior to the record date of the senior party, the testimony being clear, definite and uncontradicted.

A motion to suppress the witness's testimony on the ground that he refused to divulge the sales volume involved in the use of the mark was held properly denied since the question was not pertinent to the issue of priority.

The recommendation by the Examiner of Trade-Mark Interferences that the registration of the senior party be cancelled was vacated, for the reason that, when one files an application for registration of a mark registered by another, the applicant should assume the burden of securing cancellation of the registration, since the registration would not have been granted in the first place and might not even have been applied for had the prior user moved seasonably to obtain a registration himself.

EX PARTE BROWN & BIGELOW, 173 Ms. D. 787, — USPQ —, April 30, 1952, Serial No. 512,377.

Examiner-in-Chief Federico affirmed the decision of the Examiner of Trade-Marks refusing registration as a trade-mark on the Principal Register under the provisions of section 2(f) of the Trade-Mark Act of 1946 of a mark for use on mechanical pencils. The mark comprises two horizontal spaced black bands with the lower one displaced to the right; written in the upper band is the word "automatic" in white letters and in the lower one the words "push back" with a dot between. In the center and overlapping the two bands is the representation of a hand holding a pencil in vertical position. The applicant having agreed that the term "push back" is the outstanding portion of the mark, it was held that it was proper to consider the term in connection with the goods with which it is used and in connection with other material appearing on the package submitted as a specimen. So considered, the term was held to be informational material rather than a trade-mark and incapable of distinguishing the goods.

EX PARTE NORTHAM WARREN CORPORATION, 173 Ms. D. 786. — USPQ —, April 30, 1952, Serial No. 546,022.

Examiner-in-Chief Federico affirmed the decision of the Examiner of Trade-Marks refusing registration on the Principal Register under section 2(f) of the Trade-Mark Act of 1946 of the term "DE LUXE" as a trade-mark for cuticle remover, nail polish and the like. It was held that the term is generally used by the public not as a badge of origin but as a laudatory term generally used in trade, and thus incapable of distinguishing the applicant's goods from like goods of others.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 27, 1952

[VOL. 658. NO. 4]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 593,656. N. V. Fabron, Rhenen, Netherlands. Filed Mar. 9, 1950.

RECTICEL

Applicant claims ownership of Dutch Registration No. 94,680, dated Oct. 29, 1948.
For Elastic Padding Material in Sheet Form Used in Upholstering Furniture and for Padding Bicycle Saddles or Other Saddles, and Walls.

Ser. No. 621,117. American Cyanamid Company, New York, N. Y. Filed Nov. 13, 1951.

CRESFIL

For Synthetic Fiber in the Form of Filament Fiber, Staple Fiber, and Tow.
Claims use since Oct. 26, 1951.

CLASS 2

RECEPTACLES

Ser. No. 607,082. International Association of Milk and Food Sanitarians, Orange, N. J., and Rochester, N. Y. Filed Nov. 29, 1950. CERTIFICATION MARK.



For Dairy Products Storage Tanks, Milk Weigh Cans, Milk Receiving Tanks, and Milk and Milk Products Tanks for Attachment to Automotive Transportation Vehicles.
Claims use since Mar. 2, 1949.

Ser. No. 619,804. Dixie Cup Company, Easton, Pa. Filed Oct. 10, 1951.



The word "Beer" is disclaimed.
For Paper Cups.
Claims use since Sept. 14, 1951.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 620,830. St. Thomas Inc., Gloversville, N. Y. Filed Nov. 2, 1951.

THE "Professional"

For Billfolds.
Claims use since Aug. 10, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 542,641. O-Cedar of Canada Limited, Toronto, Ontario, Canada. Filed Nov. 28, 1947. (Sec. 2f.)

CHAN

Applicant claims ownership of Canadian Registration No. 142, Folio No. 32,207, dated Oct. 17, 1922.
For Wax for Polishing Wood, Finished Metal, and Varnished or Painted Surfaces.
Claims use since Mar. 1, 1923; and use in commerce between foreign nations and the United States since Mar. 1, 1923.

Ser. No. 602,252. Enterprise Paint Manufacturing Company, Chicago, Ill. Filed Aug. 16, 1950. (Sec. 2f.)

SHED WATER

For Self-Polishing Waxes and Combination Cleaning and Polishing Paste Waxes Suitable for Floors, Interior Woodwork, Pianos, Furniture, Automobiles, and Other Finished Metal or Wood Surfaces.
Claims use since July 1919.

CLASS 5

ADHESIVES

Ser. No. 572,099. Frank J. Hauer, doing business as Carb-N-Set Business Forms, Dayton, Ohio. Filed Jan. 13, 1949. (Sec. 2f—Additional evidence.)

CARB-N-SET

For Glue.
Claims use since Jan. 18, 1939.

Ser. No. 598,632. Behr-Manning Corporation, Troy, N. Y. Filed June 6, 1950. (Sec. 2f as to "Behr.")

Behr-cat

For Adhesives—Namely, Protein Base Adhesives, Rubber Base Adhesives, Resin Base Adhesives, and Inorganic Base Adhesives, and Adhesive Tapes.

Claims use since Apr. 14, 1950, on the mark as shown: and since 1878 as to "Behr."

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 590,267. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Filed Jan. 3, 1950.

AYTEX

For Highly Refined Unmodified Wheat Starch Crystals, and Highly Refined Unmodified Wheat Starch, Powdered, Used in the Manufacture of Food Products.

Claims use since Nov. 23, 1949.

Ser. No. 593,787. Culligan Zeolite Company, Northbrook, Ill. Filed Mar. 11, 1950.

IOGEN

For Chemical Compound for Use in Removing Foreign Matter From Ion-Exchange Materials.

Claims use since Oct. 5, 1949.

Ser. No. 597,012. Ralston Purina Company, St. Louis, Mo. Filed May 6, 1950.

CHEK-R-TOX

The word "Tox" is disclaimed. Applicant claims ownership of Registrations Nos. 265,658, 269,158, and others.

For Insecticide.

Claims use since June 21, 1949.

Ser. No. 600,935. Aktiebolaget Bofors, Bofors, Sweden. Filed July 20, 1950.

BONOMOLD-O

Priority under Sec. 44(d). Swedish application filed Feb. 8, 1950, Registration No. 67,951, dated Mar. 24, 1950.

For Preparation for Addition to Creams for Treating Leather To Prevent the Leather From Becoming Mouldy.

Ser. No. 600,936. Aktiebolaget Bofors, Bofors, Sweden. Filed July 20, 1950.

BONOMOLD-O

Priority is claimed under Sec. 44(d). Swedish application filed Feb. 8, 1950, Registration No. 67,951, dated Mar. 24, 1950.

For Germ Destroying Additive for Water To Inhibit Bacterial Activity Therein and for Crystalline Chemical Preparations—Namely, Free Acids and Esters of p-Nitrobenzoic Acid and p-Oxybenzoic Acid for Use in the Manufacture of Cosmetic Creams and Pharmaceutical Preparations, Technical Oils, Pastes, Glues, Photographic Emulsions, and Paper Coating Waxes and for Treating Textile Fabrics, Hides, Leather, and Wooden Articles To Inhibit Growth of Mold.

Ser. No. 603,499. George W. Rappleyea, Southport, N. C. Filed Sept. 13, 1950.

PLAS-MO-FALT

For Thermosetting Plastic Having Uses in the Construction Field.

Claims use since Feb. 1, 1950.

Ser. No. 608,741. Borne Scrymser Company, Elizabeth, N. J. Filed Jan. 13, 1951.

MEON

For Wetting Agent for Increasing the Tensile Strength of Textile Fibers.

Claims use since Jan. 2, 1932.

Ser. No. 608,954. The Roxborough Company, Philadelphia, Pa. Filed Jan. 18, 1951.

Plasti-flex

Applicant claims ownership of Registration No. 544,617.

For Chemical Composition for Treating Hosiery and Sweaters To Prevent Snags, Runs, and the Like.

Claims use since Dec. 5, 1950.

Ser. No. 614,037. British Alkaloids Limited, London, England. Filed May 18, 1951.

PHAGOL

Applicant claims ownership of British Registration No. 690,357, dated June 30, 1950.

For Preparations for Killing Plant Nematodes in or on Plant Material and in the Soil.

Ser. No. 614,856. Standard Brands Incorporated, New York, N. Y. Filed June 6, 1951.

BENEFAX

For Enzyme Preparation Compounded To Accelerate and Improve the Curing of Coffee, Cacao, and Other Agricultural Products.

Claims use since June 1, 1951.

Ser. No. 618,196. Brown Mud Company, Los Angeles, Calif. Filed Aug. 27, 1951.



The word "Barytes" is disclaimed.

For Ground Barium Sulphate for Use as a Weighting Component in Oil Well Drilling Fluids.

Claims use since June 22, 1951.

CLASS 7

CORDAGE

Ser. No. 553,941. Wright Sales Company, Inc., Cleveland, Ohio. Filed Apr. 5, 1948. (Sec. 2f as to "Wright.")



All wording except "Wright" is disclaimed.

For Cord for Use for Venetian Blinds.

Claims use since January 1946, on the mark as shown; since September 1942 as to "Precision made"; and since January 1939 as to "Wright."

Ser. No. 605,526. Paulsen-Webber Cordage Corporation, New York, N. Y. Filed Oct. 26, 1950.

Paul-Cord

The word "Cord" is disclaimed. The mark consists of the term "Paul-Cord."

For Wrapping Twines.

Claims use since Oct. 3, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 602,541. American Safety Razor Corporation, Brooklyn, N. Y. Filed Aug. 22, 1950.

YEAR - LONG

The word "Long" is disclaimed.

For Cigarette Lighter Flints.

Claims use since June 23, 1950.

Ser. No. 605,266. Pullman-Standard Car Manufacturing Company, Chicago, Ill. Filed Oct. 21, 1950. (Sec. 2f as to "Pullman-Standard.")



The words "Built By" and "Car Manufacturing Co." are disclaimed. Applicant claims ownership of Registration No. 243,990.

For Ash Receptacles and Ash Trays.

Claims use since Oct. 8, 1940 as to the mark shown: and since Dec. 26, 1934 as to the mark "Pullman-Standard."

Ser. No. 617,306. John Hudson Moore, Inc., New York, N. Y., now by merger The Lambert Company, a corporation of Delaware. Filed Aug. 3, 1951. (Sec. 2f.)

WINDSOR

For Smokers' Pipes.

Claims use since Oct. 1, 1923.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 560,876. Folke Knut Knutsson-Hall, Gamleby, Sweden. Filed July 8, 1948.



Applicant claims ownership of Swedish Registration No. 64,157, dated Mar. 25, 1948; and United States Registration No. 438,170.

For Matches and Igniting Rods in the Nature of Repeatedly Ignitable Matches.

Ser. No. 617,096. Spiegel, Inc., Chicago, Ill. Filed July 28, 1951.

Huntmaster

Applicant claims ownership of Registration No. 419,176.

For Guns—Namely, Rifles and Shotguns.

Claims use since October 1949.

CLASS 10

FERTILIZERS

Ser. No. 597,948. The Davey Tree Expert Company, Kent, Ohio. Filed May 23, 1950. (Sec. 2f.)

DAVEY

Applicant claims ownership of Registrations Nos. 270,267 and 250,527.
For Manure.
Claims use since 1924.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 547,765. Planett Mfg. Co., Downey, Calif. Filed Jan. 22, 1948. (Sec. 2f.)

PLANETT

For Wire Mesh for Reinforcing Cementitious Materials.
Claims use since August 1942.

Ser. No. 552,757. Dunan Brick Yards Incorporated, Miami, Fla. Filed Mar. 23, 1948.

RAINBOW RANGE

For Bricks
Claims use since November 1946.

Ser. No. 562,972. United States Gypsum Company, Chicago, Ill. Filed Aug. 6, 1948. (Sec. 2f.)

MORTASEAL

Applicant claims ownership of Registration No. 404,537.
For Lime for Construction Use.
Claims use since Mar. 6, 1942.

Ser. No. 576,134. Products Research Company, Glendale, Calif. Filed Mar. 26, 1949.

Pro-Re-Co

For Sealing Compositions, Cements, Putties, and Caulking Compounds in the Form of Spreadable Pastes Dispersions, Semi-Liquids, and Liquids, Generally Containing Organic Copolymers and Condensation Polymers, for Use in Sealing and Cementing Joints, as a Sealant Between Metallic Members and Between Metallic Members and Glass, and as a Sound Insulator.
Claims use since August 1947.

Ser. No. 582,735. Pacific Wire Products Company, Compton, Calif. Filed July 30, 1949.

PARAMOUNT

For Stucco Mesh.
Claims use since June 22, 1949.

Ser. No. 588,485. Albert C. Ferguson, doing business as A. C. Ferguson Co., Jacksonville, Fla. Filed Nov. 29, 1949.

Flo-Breeze

For Awnings Made of Metal.
Claims use since June 3, 1949.

Ser. No. 591,719. Coprox, Inc., Yonkers and New York, N. Y. Filed Jan. 31, 1950.

COPROX

For Cementitious Inorganic Material in Powdered Solid Form Which Is Mixed With Water To Form a Water Resistant Coating To Be Applied to the Surface of Masonry Walls, and Structures of Cement, Concrete, Cinder Blocks, Stucco, and Similar Cementitious Products.
Claims use since Jan. 1, 1949.

Ser. No. 592,147. John H. Gregory, doing business as The Harbor Homes Company, Redondo Beach, Calif. Filed Feb. 8, 1950.

PERMAPLANK

For Concrete Wall Fence.
Claims use since June 1, 1947.

Ser. No. 592,224. Charles J. Rusden, doing business as Feltrok Insulation Manufacturing Company, Tacoma, Wash. Filed Feb. 9, 1950.

FELTROK PROTECTION

The word "Protection" is disclaimed.
For Rock Wool Insulation.
Claims use since Mar. 19, 1946.

Ser. No. 601,589. Armstrong Cork Company, Lancaster, Pa. Filed Aug. 2, 1950.

MINATONE

For Acoustical Tile.
Claims use since July 8, 1950.

Ser. No. 610,008. The Eagle-Picher Company, Cincinnati, Ohio. Filed Feb. 13, 1951.

EAGLE-PICHER
ONE-COTE

The words "One-Cote" are disclaimed.
For Mineral Wool Asbestos Cement.
Claims use since Jan. 29, 1951.

Ser. No. 610,174. Globe Siding Products Company, Whiting, Ind. Filed Feb. 16, 1951.

ALUMACLAD

For Surfacing Materials—Namely, Mineral and Metal Surfaced Asphalt Roll Roofings, Mineral and Surfaced Asphalt Shingles, Insulating Siding Shingles, Asbestos Cement Roofing and Sidings, and Insulating Shingles and Roll Roofing.
Claims use since Jan. 29, 1951.

Ser. No. 610,333. Ozark-Mahoning Company, Tulsa, Okla. Filed Feb. 20, 1951.

CHEMICALS **OZARK** MAHONING

The words "Chemicals" and "Mineral Products" are disclaimed. Applicant claims ownership of Registration No. 537,238.
For Expanded Perlite for Use in Cements, Mortars, Plasters, and the Like.
Claims use since June 21, 1948.

Ser. No. 611,354. General Refractories Company, Philadelphia, Pa. Filed Mar. 15, 1951.

SPEC HR

For Standard Refractory Brick.
Claims use since April 1927.

Ser. No. 614,909. Stefco Manufacturing Company, Rossmoyne, Ohio. Filed June 7, 1951.

STEFCO

The representation of the steel section is disclaimed.
For Prefabricated Steel Buildings.
Claims use since 1920.

Ser. No. 619,144. Owens-Illinois Glass Company, Toledo, Ohio. Filed Sept. 22, 1951.

KAYLO

Applicant claims ownership of Registrations Nos. 421,786 and 500,210.
For Premixed Joint Grout (Composed of Ingredients in Dry Form To Which Water Is Added To Render the Mixture Pourable).
Claims use since Aug. 28, 1951.

Ser. No. 619,151. Storm Windows of Aluminum, Inc., Apco, Ohio. Filed Sept. 22, 1951.

STO-A-CO

For Storm Windows and Storm Doors.
Claims use since 1945.

Ser. No. 619,892. The Mosaic Tile Company, Zanesville, Ohio. Filed Oct. 11, 1951.

Formfree

For Floor, Wall, and Ceiling Tiles of Clay for Interior and Exterior Purposes.
Claims use since Mar. 16, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 564,425. The All-Flex Corporation, Los Angeles, Calif. Filed Aug. 31, 1948.

ALL-FLEX

For Ball Bearing Swivel Pipe Couplings.
Claims use since Nov. 15, 1940.

Ser. No. 590,536. Van Dusen Engineering Company, Escondido, Calif. Filed Jan. 7, 1950.

SCREW-VAC

The word "Screw" is disclaimed.
For Suction Holding Discs for Attachment to Surfaces for Holding Appliances, Tools or Fixtures.
Claims use since November 1949.

Ser. No. 598,807. North American Slide Fastener Corp., New York, N. Y. Filed June 8, 1950.

NASCO
NORTH AMERICAN SLIDE FASTENER CORP.

The words "North American Slide Fastener Corp." and the map of the North American continent are disclaimed
For Separable Slide Fasteners.
Claims use since May 22, 1950.

Ser. No. 600,718. Cia. Jardim Cafés Finos e Produtos de Alimentacao, Sao Paulo, Brazil. Filed July 15, 1950.

JARDIM

Applicant claims ownership of Brazilian Registration No. 167,138, dated Dec. 6, 1948.
For Coffee Strainers and Coffeemakers.

Ser. No. 601,683. Mixco Inc., Olympia, Wash. Filed Aug. 3, 1950.

STRIPENIZER

For Nozzle for Application to an Ice Cream Machine Discharge Nozzle for Putting One or More Ribbons of Flavoring Material Into the Ice Cream as it Discharges From the Machine.
Claims use since June 2, 1950.

Ser. No. 612,150. British Oilfield Equipment Co. Limited, Hunslet, Leeds, England. Filed Apr. 3, 1951.

BOFEC

Applicant claims ownership of British Registration No. 652,197, dated Oct. 2, 1946.
For Chains, Non-Electric Cables, Metal Pipes and Tubes, and Valves for Water, Steam, Gas, Air, and Oil.

Ser. No. 615,265. Don B. Bonner, Los Angeles, Calif. Filed June 16, 1951.

PAT.

For Toilet Bowls.
Claims use since Jan. 15, 1951.

Ser. No. 617,137. The Yorkshire Copper Works Limited, Stourton, Leeds, England. Filed July 30, 1951.

YORCASTAN

Applicant claims ownership of British Registration Nos. 695,810 and 695,811, dated Feb. 5, 1951.
For Metal Tubes—Namely, Tubes Made of Copper or Copper Alloy.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 615,605. Hunter Douglas Corporation, New York, N. Y. Filed June 23, 1951.

H·D
BRAND

The word "Brand" is disclaimed. The lining is for shading only. Applicant claims ownership of Registration No. 546,377.
For Metal Stock in Both Coil and Flat Form From Which Venetian Blind Slats Are Made.
Claims use since June 12, 1951.

CLASS 15

OILS AND GREASES

Ser. No. 602,064. Powerized Products Company, Charlotte, Mich. Filed Aug. 10, 1950.



The words "Power" and "Film" are disclaimed.
For Additive to Gasoline To Be Used in an Internal Combustion Engine so That the Same Will Operate More Smoothly.
Claims use since Feb. 27, 1950.

Ser. No. 610,394. Westville Oil and Manufacturing, Inc., Westville, Ind. Filed Feb. 21, 1951.

MOTO MILE

For Motor Oil.
Claims use since July 19, 1950.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 537,959. Acme White Lead and Color Works, Detroit, Mich., now by change of name Acme Quality Paints, Inc. Filed Oct. 16, 1947. (Sec. 2f.)

ACME QUALITY
Fleet-X

The drawing is lined for red. Applicant claims ownership of Registrations Nos. 62,706, 63,481, 66,757, and others.
For Painters' Materials—Namely, Enamels, Primers, Driers, Undercoaters, Lacquers, Synthetic Enamels, Varnish Colors, Varnishes, Reducers, Stripe Colors, Lettering Colors.
Claims use since Apr. 7, 1932.

Ser. No. 538,079. Armstrong Paint & Varnish Works, Chicago, Ill. Filed Oct. 17, 1947. (Sec. 2f.)

STEEL-BARK

For Ready Mixed Paint Sold in Liquid Form for Use on Wood, Metal, and Composition.
Claims use since 1935.

Ser. No. 540,896. Republic Paint & Varnish Co., Chicago, Ill. Filed Nov. 12, 1947.

BURGEE

For Ready-Mixed Marine Paints Sold in Liquid Form, Marine Paint Enamels, Varnishes, and Marine Varnish Stains, All Particularly Suitable for Application on Water-Borne Vehicles and Boats as Well as Buildings, Structures, Machinery, Furniture, and Equipment Subjected to Sea Spray and Sea Erosion.
Claims use since Apr. 1, 1940.

Ser. No. 556,058. Armstrong Paint & Varnish Works, Chicago, Ill. Filed May 3, 1948. (Sec. 2f as to "Armstrong.")

Armstrong
AMERICAN BEAUTY

For Ready Mixed Paints Sold in Liquid Form, Paint Enamels, and Varnishes.
Claims use since 1854 on the word "Armstrong"; and since Jan. 26, 1939 on the mark as shown.

Ser. No. 578,360. Adelphi Paint & Color Works, Inc., Ozone Park, N. Y. Filed May 7, 1949.



The words "Paints That Last" are disclaimed.
For Varnish Stain, Enamels.
Claims use since Jan. 24, 1949.

Ser. No. 579,291. Pecora Paint Co., Philadelphia, Pa. Filed May 21, 1949.



The color features and the background designs of the mark are disclaimed.
For Interior and Exterior Home Paints, Varnishes, and Air-Drying Enamels.
Claims use since Feb. 17, 1949.

Ser. No. 588,416. Wieboldt Stores, Inc., Chicago, Ill. Filed Nov. 26, 1949. (Sec. 2f.)



The word "Painters" is disclaimed.
For Shellac, Varnish, Linoleum Lacquer, Enamel, and Ready Mixed Oil Base Paints.
Claims use since Apr. 1, 1937.

Ser. No. 599,580. Peper Bros., Inc., doing business under the name of Mammoth Paint and Color Works, New York and Brooklyn, N. Y. Filed June 22, 1950. (Sec. 2f.)

EMERSON

For Flat White Paint.
Claims use since Jan. 5, 1920.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 598,010. Gallaher Limited, Belfast, Northern Ireland. Filed May 24, 1950.

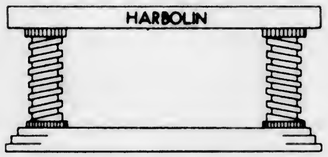
"THREE CROWNS"

Applicant claims ownership of Registration No. 155,423.
For Smoking Tobacco.
Claims use since August 1919 in the United Kingdom; and since May 1922 in commerce between the United States and the United Kingdom.

CLASS 18

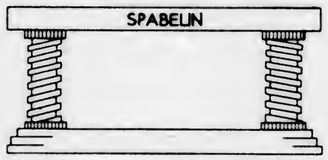
MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 587,458. The Arcum Pharmaceutical Corporation, Wilmington, Del., and Washington, D. C. Filed Nov. 8, 1949.



For Sedative and Diuretic, Containing Phenobarbital and Theobromine.
Claims use since Feb. 4, 1949.

Ser. No. 587,459. The Arcum Pharmaceutical Corporation, Washington, D. C. Filed Nov. 8, 1949.



For Sedative and Antispasmotic, Containing Phenobarbital and Belladonna.
Claims use since Feb. 4, 1949.

Ser. No. 589,446. Herts Pharmaceuticals Limited, Welwyn Garden City, Hertfordshire, England. Filed Dec. 16, 1949.

PARAMISAN

Applicant claims ownership of British Registration No. 669,686.
For Pharmaceutical Preparation for the Treatment of Tuberculosis.
Claims use since 1947 in Great Britain; and since Dec. 31, 1948 in commerce between Great Britain and the United States.

Ser. No. 594,275. E. S. Miller Laboratories, Inc., Los Angeles, Calif. Filed Mar. 20, 1950.

PREG-MI-LEEN

For Pregnenolone.
Claims use since Dec. 29, 1949.

Ser. No. 599,581. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware. Filed June 22, 1950.

THIOLUTIN

For Antibiotic Preparation for Topical Use.
Claims use since June 9, 1950.

Ser. No. 600,841. Meyer Chemical Company, Detroit, Mich. Filed July 18, 1950.

CORTALME

For Preparation for Use in Conditions of Adrenal Insufficiency Such as Addison's Disease.
Claims use since May 31, 1950.

Ser. No. 601,991. Maltbie Laboratories, Inc., Newark, N. J. Filed Aug. 9, 1950.

MALCOCIN

For Antibiotic-Anesthetic Lozenge.
Claims use since Dec. 29, 1948.

Ser. No. 603,195. Chester A. Jennings, doing business as HCO Laboratories, Hillsville, Va. Filed Sept. 6, 1950.

HCO

For Preparation for External Use in Relief of Muscular Aches and Pains Due to Over Exertion or Fatigue.
Claims use since Aug. 28, 1950.

Ser. No. 606,747. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Nov. 22, 1950.

Bristamin

For Antihistaminic Compound.
Claims use since Nov. 3, 1950.

Ser. No. 607,207. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Nov. 28, 1950.

MINIGRANS

For Unit of Medication for Oral Administration Comprising Multiples of Specially Coated Globules Each Containing an Increment of a Medicament Comprising a Central Nervous Stimulant and Providing for a Gradual Release of the Medicament Over an Extended Period of Time.
Claims use since Oct. 4, 1950.

Ser. No. 607,334. Keith-Victor Pharmacal Co., St. Louis, Mo. Filed Dec. 6, 1950.

SORBALLYN

For Chlorophyllins Sorbalate for Internal Use and Tablets for Internal Use Containing the Same.
Claims use since Nov. 1, 1950.

Ser. No. 608,845. The A and O Company, Incorporated, Greensboro, N. C. Filed Jan. 17, 1951.

A AND O

For Medicinal Preparation in Liquid Form for Colds.
Claims use since Jan. 1, 1926.

Ser. No. 609,076. Ciba Pharmaceutical Products, Inc., Summit, N. J. Filed Jan. 22, 1951.

ITRUMIL

For Preparation for the Treatment of Diseases of the Thyroid Marketed in the Form of Tablets for Oral Administration.
Claims use since Dec. 13, 1950.

Ser. No. 610,185. Lionel N. Potasch, doing business as Polinel Company, Milwaukee, Wis. Filed Feb. 16, 1951.

POLINEL

For Medicinal Ointment for External Use To Relieve Skin Irritation.
Claims use since Mar. 23, 1950.

Ser. No. 612,932. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware. Filed Apr. 20, 1951.

RIMOCIDINA

For Antibiotic Preparation.
Claims use since Apr. 10, 1951.

Ser. No. 613,197. Somnyl Pharmacal Corporation of America, New York, N. Y. Filed Apr. 26, 1951.

NU-PAX

The word "Relax" is disclaimed.
For Mild Sedative for Relief of Simple Nervousness.
Claims use since Mar. 28, 1951.

Ser. No. 613,219. Edward J. Fay, New York, N. Y. Filed Apr. 27, 1951.

F.F.F.

For Fungicide for Veterinary Use.
Claims use since April 1949.

Ser. No. 613,935. Makers of Kal, Inc., Los Angeles, Calif. Filed May 16, 1951.

Kal-kelp

The word "Kelp" is disclaimed. Applicant claims ownership of Registrations Nos. 309,294 and 502,629.
For Natural Iodine in Tablet Form to Supplement the Diet.
Claims use since Aug. 5, 1946.

Ser. No. 614,439. Harvey Laboratories, Incorporated, Philadelphia, Pa. Filed May 28, 1951.

DURACAINE

For Local Anesthetic.
Claims use since Mar. 9, 1951.

Ser. No. 615,742. American Cyanamid Company, New York, N. Y. Filed June 27, 1951.

MANDETS

For Troche Containing an Antibiotic.
Claims use since June 11, 1951.

Ser. No. 616,281. O. Robert Ellinger, doing business under the name and style of Sweet Fern Lotion Company, Hasbrouck Heights, N. J. Filed July 10, 1951. (Sec. 2f.)

SWEET FERN

For Medicinal Lotion for the Treatment of Poison Ivy and Poison Oak; and for a Medicinal Lotion for the Promotion of Suntan To Minimize Sunburn, and for the Treatment of Sunburn.
Claims use since August 1942.

Ser. No. 618,819. Schering Corporation, Bloomfield, N. J. Filed Sept. 14, 1951.

PLASMAVOL

For Product for the Treatment of Certain Vascular Conditions.
Claims use since June 8, 1951.

Ser. No. 619,108. Schering Corporation, Bloomfield, N. J. Filed Sept. 21, 1951.

REVETAN

For Product for the Treatment of Vascular Conditions.
Claims use since June 19, 1951.

Ser. No. 619,516. Parke, Davis & Company, Detroit, Mich. Filed Oct. 2, 1951.

SYTOBEX

For Vitamin Preparation.
Claims use since Sept. 13, 1951.

Ser. No. 619,652. Schering Corporation, Bloomfield, N. J. Filed Oct. 5, 1951.

DORMISON

For Hypnotic.
Claims use since July 5, 1951.

Ser. No. 619,719. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Oct. 8, 1951.

TORYN

For Medicinal Agent Useful in Modifying the Cough Reflex and in the Relaxation of Spastic Bronchi.
Claims use since July 10, 1951.

Ser. No. 619,768. Chas. Pfizer and Co., Inc., Brooklyn, N. Y. Filed Oct. 9, 1951.

LIQUAPEN

For Antibiotic Preparation.
Claims use since Aug. 31, 1951.

Ser. No. 624,743. Hoffmann-La Roche Inc., Nutley, N. J. Filed Feb. 9, 1952.

MARSILID

For Antituberculosis Compound.
Claims use since Feb. 4, 1952.

CLASS 19

VEHICLES

Ser. No. 520,528. Perfect Fit Manufacturing Co., Portland, Oreg. Original filed, act of 1905, Apr. 11, 1947; amended to application under act of 1946, Principal Register, Mar. 9, 1948. (Sec. 2f.—Additional evidence.)

Perfect Fit

For Automobile Seat Covers, Replacements for Fabric Tops for Automobiles, Automobile Tire Covers, Automobile Radiator Covers, and Automobile Radiator Screens.
Claims use since Feb. 1, 1924.

Ser. No. 598,994. General Motors Corporation, Detroit, Mich. Filed June 13, 1950. (Sec. 2f as to "OK.")



The drawing is lined for shading.
For Used Automobiles and Trucks.
Claims use since July 1, 1949 on the mark as shown; and since 1929 on the letters "OK."

Ser. No. 605,570. Bertrand Roane Acker, doing business under the name of Southern Research & Manufacturing Company, Bethesda, Md. Filed Oct. 30, 1950.

Morvac

For Vehicle Windshield Wiper Attachment Consisting of a Tank With Check Valve.
Claims use since Aug. 20, 1950.

Ser. No. 609,053. Radiation Counter Laboratories, Inc., Chicago, Ill. Filed Jan. 20, 1951.

Atomobile

For Automotive Trucks Particularly Adapted for Transporting Instruments for Measurement of Radioactivity.
Claims use since Sept. 21, 1950.

Ser. No. 612,847. Casco Products Corporation, Bridgeport, Conn. Filed Apr. 19, 1951. (Sec. 2f.)

Perfection

Applicant claims ownership of Registration No. 343,221.
For Fender Guides for Motor Vehicles, Steering Wheel Knobs, and Gear Shift Balls.
Claims use since May 28, 1930.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 570,643. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 16, 1948.

FARM MASTER

The word "Farm" is disclaimed. Applicant claims ownership of Registration No. 422,616.
For Electric Stock Prods, Electric Water Heaters, Electric Fence Insulators, Electric Fence Controllers, Light Plant Batteries, Lightning Rods and Wiring for Buildings and Lightning Arrestors, Electric Pasteurizers, Electric Generators, Electric Domestic Churns, Electric Egg Candlers.
Claims use since July 15, 1940.

Ser. No. 583,410. Pittsburgh Chemical Laboratory, Inc., Pittsburgh, Pa., assignor to Iron City Chemical Company, Evans City, Pa. Filed Aug. 12, 1949.

GLYCOLATOR

For Electrical Vaporizer for Producing and Emitting Glycol Vapor for the Purpose of Atmosphere Sterilization.
Claims use since June 14, 1948.

Ser. No. 602,866. United States Hoffman Machinery Corporation, Syracuse and New York, N. Y. Filed Aug. 28, 1950.

MAGNAFLO

For Magnetic Separators for the Separation of Ferrous Metal Particles From Soluble Oil Coolants and Cutting Oil Coolants, and Parts Thereof.
Claims use since Oct. 28, 1949.

Ser. No. 620,429. Mission Appliance Corporation, Hawthorne, Calif. Filed Oct. 24, 1951.

Mission

For Electric Space Heaters and Electric Water Heaters.
Claims use since Sept. 16, 1946.

Ser. No. 620,537. Associated Sales, Inc., Dallas, Tex. Filed Oct. 27, 1951.

Britton
MYOTRONIC

For Electric Storage Batteries.
Claims use since Oct. 15, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 566,797. The Forker Corporation, Cleveland, Ohio. Filed Oct. 11, 1948. (Sec. 2f as to "Ohio.")

OHIO

For Overhead Transportation Systems—Namely, Tramways and Parts Thereof.
Claims use since May 1945 on the mark as shown; and since 1940 on "Ohio."

Ser. No. 598,350. The Callander Foundry & Manufacturing Company Limited, Guelph, Ontario, Canada. Filed May 31, 1950.

THE CALLANDER FOUNDRY & MFG. CO. LTD. BEAVER POWER TOOLS GUELPH CANADA

All wording except "Beaver" is disclaimed.
For Drill Presses, Woodworking Lathes, Machine Planers, Jointers, Polishing Heads, Bench Grinders, V-Belt Machine Tool Transmissions, Work Benches, Shaft Hangers, Power-Operated Jig-Sawing Machines, Power-Operated Band-Sawing Machines, and Power-Operated Shop Circular-Sawing Machines but Not Including Hand-Operated Saws and Not Including Saw Blades or Other Sawing Elements for Use With Hand-Operated or Power-Operated Saws.
Claims use since 1933; and first used in commerce between foreign nations and the United States on Aug. 11, 1948.

Ser. No. 603,270. West Point Lawn Products, West Point, Pa. Filed Sept. 7, 1950.

AERI-FORKE

The word "Forke" is disclaimed.
For Turf Cultivating Hand Tool for Loosening and Cultivating the Soil Beneath Grass.
Claims use since Aug. 1, 1950.

Ser. No. 604,281. Roderick G. Stevens, doing business as R. G. Stevens Co., Fort Lauderdale, Fla. Filed Sept. 30, 1950.

bug-boy

The word "Bug" is disclaimed.
For Spraying Equipment—Namely, Power-Operated Sprayers for Atomizing and Distributing Liquid Insecticide as a Fog.
Claims use since Mar. 15, 1950.

Ser. No. 608,613. Wilburn R. Lummis, doing business as Lummis Mfg. Co., Pasadena, Calif. Filed Jan. 10, 1951.

"KEY-BAK"

The word "Key" is disclaimed.
For Spring Actuated Automatic Rewinding Reel for a Key Chain.
Claims use since Apr. 1, 1947.

Ser. No. 612,133. Parco Manufacturing Co., Inc., Syracuse, N. Y. Filed Apr. 2, 1951.

PARCO

For Power-Operated Vegetable Peelers and Vegetable Cutters.
Claims use since Mar. 1, 1949.

Ser. No. 612,250. Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Filed Apr. 5, 1951.



The trade-mark is in the form of a seal, enclosing the letters G & L, on a brass plate of like configuration, the letters and marginal edge portion of the plate being uncovered and having the yellow or gold color of natural brass, except for black border lines therein, and the inner area of the plate circumscribed by the marginal edge portion providing a scarlet red background panel for the letters. Applicant claims ownership of Registration No. 146,233.
For Metal Working Machines—Namely, Horizontal Boring, Drilling, and Milling Machines, Vertical Boring

Mills, Production Milling Machines, Metal Planers and Planer Millers; Rotary Tables; and Plastic Injection Molding Machines.

Claims use since July 1, 1947, as to the mark shown; and since Mar. 31, 1931, as to the mark without the black border lines.

Ser. No. 616,217. The Acme Shear Company, Bridgeport, Conn. Filed July 9, 1951.

PRINCESS ANNE

For Domestic or Household Scissors and Shears.
Claims use since Aug. 1, 1938.

Ser. No. 616,535. Emmons Loom Harness Co., Lawrence, Mass. Filed June 20, 1951.



The words "Rigid" and "Reed" are disclaimed. The stippling on the drawing is for shading. Applicant claims ownership of Registration No. 535,149.

For Reeds, and Dents for Reeds for Textile Looms.
Claims use since Mar. 13, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 602,797. Bulova Watch Company, Inc., New York, N. Y. Filed Aug. 26, 1950.

Calendial

For Watches—Namely, Wrist or Strap Watches.
Claims use since Aug. 15, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 542,934. Granat Bros., San Francisco, Calif. Filed Dec. 2, 1947. (Sec. 2f.)

Wed-Lok

Applicant claims ownership of Registrations Nos. 346,293, 185,365, 411,415, and 430,436.

For Finger Rings.
Claims use since Aug. 10, 1934.

Ser. No. 569,878. Milglo Jewelry Co., Inc., New York, N. Y. Filed Dec. 3, 1948.

Elco

For Identification Bracelets and Necklaces.
Claims use since 1922.

Ser. No. 572,022. Delta Jewelry Corporation, New York, N. Y. Filed Jan. 12, 1949.

Del-Art

For Jewelry for Personal Wear Not Including Watches—Namely, Bracelets, Wristbands, Finger Rings, Wedding Bands, and Brooches.
Claims use since Dec. 28, 1948.

Ser. No. 586,090. Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Filed Oct. 11, 1949. (Sec. 2f as to "Kreisler.")

Kreisler Craft

For Cuff Links, Tie Holders, Key Chains, and Shirt Studs, Made in Part of, or Plated With Precious Metal.
Claims use since Mar. 15, 1948, on the mark as shown; and since August 1941 on the word "Kreisler."

Ser. No. 601,120. F. Ronci Co., Inc., Centerdale, R. I. Filed July 22, 1950. (Sec. 2f.)

RONCI

For Jewelry for Personal Wear, Not Including Watches—Namely, Shoe Buckles and Ornamental Pins and Pendants, All Made of or Plated With Precious Metals.
Claims use since Dec. 1, 1927.

Ser. No. 609,290. Fairfax Distributing Co., Inc., Washington, D. C. Filed Jan. 26, 1951.

Eternally Yours

For Finger Rings.
Claims use since Jan. 6, 1951.

Ser. No. 617,915. Goodman and Company, Indianapolis, Ind. Filed Aug. 21, 1951.

TWINKY

For Finger Rings, Brooches, Scarf Pins, Earrings, Pendants, Lapel Buttons, and Cuff Links Made in Whole or in Part of Precious Metals.
Claims use since Aug. 16, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 617,688. Whiting-Adams Company, Inc., Boston, Mass. Filed Aug. 14, 1951.

DEXTRON

For Brushes—Namely, Enamel Brushes, Flat Sash Trim Brushes, Paper Hanger Paste Brushes, Plasterers' Skimmer Brushes, Smoother Brushes, Flat Varnish Brushes, Oval Varnish Brushes, Oval Sash Tool Brushes, Wall Brushes, and Flatting Wall Brushes.
Claims use since June 15, 1951.

Ser. No. 619,499. Colonial Brush Manufacturing Company, Inc., Boston, Mass. Filed Oct. 2, 1951.

NOVACIL

For Brushes—Namely, Paint Brushes.
Claims use since Sept. 5, 1951.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 570,730. Sterling-Freeland Industries, Inc., Chicago, Ill. Filed Dec. 17, 1948. (Sec. 2f.)

STERLING GLYDEAWAY

For Cabinets Having Extension Tables.
Claims use since 1925.

Ser. No. 618,600. Maurice L. Shanahan, Los Angeles, Calif., assignor to Sales Counselors, Inc., Los Angeles, Calif., a corporation of California. Filed Sept. 10, 1951.

VIZ-SELL

For Store Fixtures—Namely, Display Cases for Merchandise.
Claims use since Sept. 1, 1950.

Ser. No. 618,601. Joseph Shapiro, doing business as Matchit Products Company, Cincinnati, Ohio. Filed Sept. 10, 1951.

MATCHIT

For Display Stands for Uprightly Supporting a Plurality of Small Packets or Articles in Spaced Parallel or Tiered Arrangement From Which the Packets or Articles May be Manually Picked Up for Examination or Acquisition.
Claims use since Sept. 20, 1950.

Ser. No. 618,705. Krochler Mfg. Co., Naperville, Ill. Filed Sept. 12, 1951.

"Personality Group"

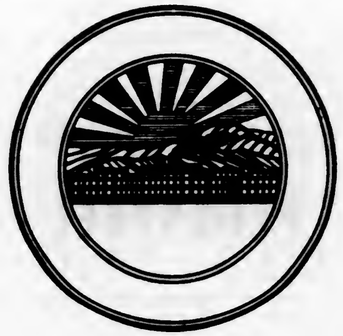
The word "Group" is disclaimed.

For Upholstered Living Room Furniture—Namely, Sofas and Chairs; and Bedroom Furniture—Namely, Beds, Bed Headboards, Dressers, Chests of Drawers, Chairs, Vanities, and Vanity Benches.
Claims use since June 18, 1951.

CLASS 33

GLASSWARE

Ser. No. 534,988. Blue Ridge Glass Corporation, Kingsport, Tenn. Filed Sept. 19, 1947.



The lining on the drawing is for shading or contrast purposes only. Applicant claims ownership of Registration No. 247,669.

For Flat Glass.
Claims use since Sept. 7, 1927.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 611,714. Morrison Steel Products Inc., Buffalo, N. Y. Filed Mar. 23, 1951.



For Oil and Gas Burning Space Heaters.
Claims use since Mar. 7, 1951.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 615,664. Tubular Service and Engineering Company, Houston, Tex. Filed June 25, 1951.

TUBE TECTOR

The word "Tube" is disclaimed.
For Rubber Protector Collars for Drill Pipe.
Claims use since Feb. 21, 1951.

Ser. No. 623,460. The Goodyear Tire & Rubber Company, Akron, Ohio. Filed Jan. 11, 1952.

SUBURBANITE

For Tires Composed Wholly or Principally of Rubber or Synthetic Rubber.
Claims use since Sept. 5, 1951.

Ser. No. 623,761. The Goodyear Tire & Rubber Company, Akron, Ohio. Filed Jan. 18, 1952.

PLIOSTEEL

For Tires Composed Wholly or Principally of Rubber.
Claims use since Dec. 18, 1951.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 615,760. Columbia Records Inc., Bridgeport, Conn. Filed June 27, 1951.



For Grooved Phonograph Records and Phonograph Record Albums.
Claims use since Mar. 27, 1951.

CLASS 37

PAPER AND STATIONERY

Ser. No. 528,007. Valley Paper Company, Holyoke, Mass. Filed July 5, 1947. (Sec. 2f.)

BERWICK

For Writing, Typewriter and Printing Paper.
Claims use since 1891.

Ser. No. 562,201. Kalamazoo Vegetable Parchment Co., Parchment, Mich. Filed July 26, 1948.

ROYAL WHITE

The word "White" is disclaimed.
For Self-Sealing Waxed Paper.
Claims use since Jan. 1, 1925.

Ser. No. 570,027. Gregory Fount-O-Ink Company, a firm, Los Angeles, Calif., assignee of Gregory Fount-O-Ink Company, a corporation. Filed Apr. 30, 1952.

FOUNT-N-GRAPH

Applicant claims ownership of Registration No. 368,922.
For Desk Sets Comprising Ink Stands and Desk Capillary Feed Pens.
Claims use since Sept. 7, 1938.

Ser. No. 611,470. Carmelle, Inc., Burbank, Calif. Filed Mar. 17, 1951.

G.I.GAB

For Writing Paper, Note Paper, Correspondence and Mailing Envelopes.
Claims use since Feb. 19, 1951.

Ser. No. 615,203. Air-Lite Publishing Co., Inc., Springfield, Mass. Filed June 15, 1951.

Air-Lite

The word "Lite" is disclaimed.
For Writing Paper and Correspondence Envelopes.
Claims use since Jan. 24, 1951.

Ser. No. 615,204. Air-Lite Publishing Co., Inc., Springfield, Mass. Filed June 15, 1951.



The word "Lite" is disclaimed.
For Writing Paper and Correspondence Envelopes.
Claims use since Jan. 24, 1951.

Ser. No. 618,104. Scripto, Inc., Atlanta, Ga. Filed Aug. 25, 1951.

SCRIPTO

Applicant claims ownership of Registrations Nos. 192,632, 196,587, and others.
For Mechanical Pencils, Pencil Leads, and Pencil Erasers.
Claims use since May 26, 1924.

Ser. No. 618,884. Columbia River Paper Mills, Portland, Oreg. Filed Sept. 17, 1951.



The trade-mark comprises the stereotyped representation of a tree in green, together with the letters "CRPM" located in a black-bordered circle.
For Paper.
Claims use since Aug. 10, 1951.

Ser. No. 618,897. Oregon Pulp and Paper Company, Portland, Oreg. Filed Sept. 17, 1951.



The drawing is lined for green.
For Paper.
Claims use since Aug. 10, 1951.

Ser. No. 619,492. Air-Lite Publishing Co., Inc., Springfield, Mass. Filed Oct. 2, 1951.

Princess

For Writing Paper and Correspondence Envelopes.
Claims use since July 5, 1951.

Ser. No. 619,686. Star-Peerless Wall Paper Mills, Chicago, Ill. Filed Oct. 6, 1951.



The words "Wall Papers" are disclaimed. Applicant claims ownership of Registrations Nos. 318,044, 409,098, and 438,154.
For Wall Paper.
Claims use since July 2, 1948.

Ser. No. 619,712. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Oct. 8, 1951.



The words "Folded Kerchiefs" are disclaimed. Applicant claims ownership of Registration No. 336,506.
For Paper Product—Namely, Folded Tissue Paper Kerchiefs or Mouth Wipes.
Claims use since Feb. 11, 1939.

Ser. No. 620,089. Commonwealth Cedar Company, Inc., Shelbyville, Tenn. Filed Oct. 17, 1951.

NITE-GLO

The word "Glo" is disclaimed.
For Pencils of All Types.
Claims use since June 1, 1951.

Ser. No. 620,560. American Linen Supply Co., sometimes doing business as Steiner Sales Company, Division of American Linen Supply Co., Carson City, Nev., and Chicago, Ill. Filed Oct. 29, 1951.

EVER-SERV

For Paper Toilet Tissue.
Claims use since July 28, 1951.

Ser. No. 620,561. American Linen Supply Co., sometimes doing business as Steiner Sales Company, Division of American Linen Supply Co., Carson City, Nev., and Chicago, Ill. Filed Oct. 29, 1951.



For Paper Toilet Tissue.
Claims use since July 28, 1951.

Ser. No. 620,951. The Barton, Duer & Koch Paper Company, Baltimore, Md. Filed Nov. 7, 1951. (Sec. 2f.)

FAIRFAX

Applicant claims ownership of Registration No. 420,464.
For Printing Paper and Correspondence Envelopes.
Claims use since July 10, 1925.

Ser. No. 621,058. Eureka Specialty Printing Company, Scranton, Pa. Filed Nov. 9, 1951.

tatch

For Sheets of Gummed Paper Stickers Bound in Books.
Claims use since Jan. 29, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 582,134. Ideal Publishing Corp., New York, N. Y. Filed July 18, 1949.

shopping with Us

The word "Shopping" is disclaimed.
For Section in a Magazine.
Claims use since July 1949.

Ser. No. 592,629. Hearst Magazines Inc., New York, N. Y., now by merger The Hearst Corporation. Filed Feb. 17, 1950.

CLIMATE CONTROL

For Magazine Feature, Section, or Department.
Claims use since Sept. 20, 1949.

Ser. No. 609,003. The Salt Lake Tribune Publishing Company, Salt Lake City, Utah. Filed Oct. 24, 1951.

Nothing Serious

For Columns Published in Newspapers.
Claims use since Feb. 6, 1949.

Ser. No. 613,052. The Dayton Rubber Company, Dayton, Ohio. Filed Apr. 24, 1951.

Keeping Pace

For Trade Publication.
Claims use since Jan. 20, 1951.

Ser. No. 620,240. Trautmann, Bailey & Blampey, trading as Blue Book Company, New York, N. Y. Filed Oct 19, 1951.

YARD-STICKS

For Intermittently Issued Publications.
Claims use since Sept. 29, 1951.

Ser. No. 620,506. Johnson Publishing Company, Inc. Chicago, Ill. Filed Oct. 26, 1951.

JET

For Periodical Publications.
Claims use since Oct. 25, 1951.

CLASS 39

CLOTHING

Ser. No. 488,961. Tobias Kotzin, doing business under the fictitious name of A-1 Manufacturing Company, Los Angeles, Calif. Original filed, act of 1905, Sept. 25, 1945; amended to application under act of 1946, Principal Register, Nov. 16, 1948. (Sec. 2f—Additional evidence.)

GOLD RIVET

For Trousers, Dungarees, and Jackets.
Claims use since Aug. 30, 1945.

Ser. No. 520,873. Imperial Hosiery Co., Pittsburgh, Pa. Original filed, act of 1905, Apr. 17, 1947; amended to application under act of 1946, Principal Register, May 3, 1951.

Syntron

For Women's and Children's Hosiery, and Gloves.
Claims use since Jan. 2, 1947.

Ser. No. 548,595. Tobias Kotzin, doing business as A-1 Manufacturing Co., Los Angeles, Calif. Filed Feb. 2, 1948.

Angeles

Applicant claims ownership of Registration No. 254,559.
For Men's and Boys' Outer Shirts, Overalls, Dungarees, Pants, Trousers, Slacks, Outer Shorts, Jackets, Coats, and Suits for Use as Uniforms, and Having Matching Trousers and Coats.
Claims use since September 1922.

Ser. No. 576,778. The Trimble Hat Company, Minneapolis, Minn. Filed Apr. 7, 1949.

WEATHERMAN

For Men's Felt Hats.
Claims use since Jan. 11, 1949.

Ser. No. 582,495. Phoenix Hosiery Company, Milwaukee, Wis. Filed July 25, 1949.

Tish-U-Twist

For Women's Full-Fashioned Hosiery.
Claims use since Mar. 15, 1949.

Ser. No. 600,606. Moore Brothers Hosiery, Cleveland, Tenn. Filed July 13, 1950.

Dema

For Men's, Women's, and Children's Hosiery.
Claims use since Apr. 11, 1950.

Ser. No. 601,065. The Nolde and Horst Company, Reading, Pa. Filed July 21, 1950. (Sec. 2f as to the word "Nolde.")

NOLDE CHARMERS

Applicant claims ownership of Registrations Nos. 304,874, 399,257, and 403,616.
For Women's Hosiery.
Claims use since November 1949 as shown; and since March 1933 as to the word "Nolde."

Ser. No. 601,067. The Nolde and Horst Company, Reading, Pa. Filed July 21, 1950. (Sec. 2f as to the word "Nolde.")

NOLDE JEEPERS

Applicant claims ownership of Registrations Nos. 304,874, 399,257, and 403,616.
For Women's Hosiery.
Claims use since February 1944 as shown; and since March 1933 as to the word "Nolde."

Ser. No. 602,642. M. C. Schrank Company, Bridgeton, N. J. Filed Aug. 23, 1950. (Sec. 2f.)

FLAT-BAK

Applicant claims ownership of Registration No. 286,479.
For Women's and Misses' Pajamas and Shorts.
Claims use since January 1930.

Ser. No. 605,912. Novelty Knitting Mills, Inc., Philadelphia, Pa. Filed Nov. 4, 1950.

Nov-A-Fleece

The word "Fleece" is disclaimed.
For Men's, Women's, and Children's Sweaters, Vests, Coats, Bathing Suits, Jackets, and Beach Robes.
Claims use since Oct. 20, 1950.

Ser. No. 607,652. A & B Infants Wear Corp., New York, N. Y. Filed Dec. 14, 1950.



The words "For Your Precious" are disclaimed. The portrait is fanciful.
For Coats for Infants.
Claims use since Nov. 19, 1946.

Ser. No. 607,742. Dominique France, Inc., New York, N. Y. Filed Dec. 16, 1950.

Dominique France

The word "France" is disclaimed.
For Men's Neckties and Scarves.
Claims use since Sept. 21, 1949.

Ser. No. 609,375. National Sportswear Corp., Forest City, Pa. Filed Jan. 29, 1951.

M'LORD

For Men's and Boys' Sportswear—Namely, Jackets, Snow Suits, Trousers, Caps, and Bathing Trunks.
Claims use since Dec. 11, 1950.

Ser. No. 610,045. Brody Clothing Company, Boston, Mass. Filed Feb. 14, 1951.

Season Tex

For Men's Topcoats and Overcoats.
Claims use since Oct. 2, 1950.

Ser. No. 615,456. Juliana Lingerie, Inc., New York, N. Y. Filed June 20, 1951.

WING PLEATS

The word "Pleats" is disclaimed.
For Women's and Misses' Lingerie—Namely, Ladies' and Misses' Nightgowns, Petticoats, and Slips.
Claims use since Apr. 4, 1951.

Ser. No. 616,097. Hansley Mills, Inc., Paris, Ky. Filed July 5, 1951. (Sec. 2f.)

HANSLEY

For Men's, Boys', and Children's Underwear.
Claims use since January 1931.

Ser. No. 616,198. Lucien Bougie Inc., Montreal, Quebec, Canada. Filed July 7, 1951.

Shoo Shoo

Applicant claims ownership of Canadian Registration No. N. S. 34,546, Registration No. 135, dated Dec. 6, 1949.
For Children's Booties.

Ser. No. 616,378. Intra-Mills Hosiery Co., New York, N. Y. Filed July 12, 1951.

INTRA SPECIAL

The word "Special" is disclaimed.
For Men's Socks and Ladies' Hosiery.
Claims use since June 14, 1951.

Ser. No. 616,389. Sanson Hosiery Mills, Inc., Philadelphia, Pa. Filed July 12, 1951.

sansonette

Applicant claims ownership of Registrations Nos. 546,719 and 549,866.
For Women's Hosiery.
Claims use since June 7, 1950.

Ser. No. 618,085. Frank & Meyer Neckwear Co., St. Louis, Mo. Filed Aug. 25, 1951.

"Royal-Aire"

For Neckwear—Namely, Neckties, Bow Ties, Cravats and Mufflers, and Men's Sport Shirts.
Claims use since May 1943.

Ser. No. 618,134. Truval Manufacturers, Inc., New York, N. Y. Filed Aug. 27, 1951.

TruVal

KANT-KURL

The words "Kant-Kurl" are disclaimed. Applicant claims ownership of Registrations Nos. 96,306, 397,527, and others.
For Outer Shirts for Men and Young Men.
Claims use since June 14, 1951.

Ser. No. 618,307. The Silvertex Company, Philadelphia, Pa. Filed Aug. 31, 1951. (Sec. 2f.)

SILVERDALE

Applicant claims ownership of Registration No. 286,481.
For Men's, Boys', Women's, and Children's Outer Garments — Namely, Suits, Coats, Vests, Pants, Slacks, Jackets, Skirts, Overcoats, Topcoats, Raincoats, Mackinaws, Dusters, Ulsters, Skirts, and Sport Shirts.
Claims use since Jan. 1, 1930.

Ser. No. 619,553. Tabin-Picker & Co., Chicago, Ill. Filed Oct. 3, 1951.

Trudy Hall

The name "Trudy Hall" is fanciful. Applicant claims ownership of Registrations Nos. 397,634 and 551,798.
For Women's and Misses' Dresses, Aprons, and Suits.
Claims use since Aug. 2, 1951.

Ser. No. 619,584. Harry Rothman Inc., New York, N. Y. Filed Oct. 4, 1951.

Balmerino

For Men's Suits and Coats.
Claims use since February 1941.

Ser. No. 619,631. Lu Ette Cotton Frocks, New York, N. Y. Filed Oct. 5, 1951.

LuEtte

For Women's and Misses' Dresses.
Claims use since Aug. 20, 1948.

Ser. No. 619,678. Mothers Beautiful, Miami and Miami Beach, Fla. Filed Oct. 6, 1951.

Mothers Beautiful

For Maternity Clothing—Namely, Dresses, Suits, Jackets, Skirts, Coats, Blouses, Shorts, Slacks, Pedal Pushers, Bathing Suits, House Coats, Negligees, Hostess Gowns, Night Gowns, Pajamas, Panties, Slips, Half Slips, Petticoats, Brassières, and Girdles.
Claims use since Sept. 14, 1949.

Ser. No. 620,165. J. J. Newberry Co., New York, N. Y Filed Oct. 18, 1951.

Myrna

Applicant claims ownership of Registration No. 336,905.
For Slips for Ladies and Girls.
Claims use since Sept. 12, 1951.

Ser. No. 620,190. Marcus Breier Sons, Inc., Amsterdam, N. Y. Filed Oct. 19, 1951.

AIR-FREE

For Men's Jackets.
Claims use since Jan. 30, 1951.

Ser. No. 620,248. B. Altman & Co., New York, N. Y. Filed Oct. 20, 1951.

Imbalta

Applicant claims ownership of Registrations Nos. 90,624, 389,163, and others.
For Underwear for Men—Namely, Shirts, Drawers, and Union Suits.
Claims use since Sept. 1, 1951.

Ser. No. 620,306. J. P. Doyle & Co., Inc., New York, N. Y. Filed Oct. 22, 1951.

d'Orly

For Ladies' Hosiery.
Claims use since Sept. 29, 1951.

Ser. No. 620,730. Hansley Mills, Inc., Paris, Ky. Filed Oct. 31, 1951.

LYFEWARE

For Men's, Boys', and Children's Underwear.
Claims use since Oct. 26, 1951.

Ser. No. 621,305. Birdy Products Corp., New York, N. Y. Filed Nov. 16, 1951.

"MAGIC SKIN"

For Infants' Waterproof Pantles.
Claims use since July 7, 1951.

Ser. No. 621,307. Chevette, Inc., New York, N. Y. Filed Nov. 16, 1951.

Pantalizer

For Ladies' and Misses' Panties.
Claims use since Oct. 23, 1951.

Ser. No. 621,335. John M. Schneider, trading and doing business under the name of Schneider Hosiery Mills, Miami, Fla. Filed Nov. 16, 1951.

BUG-A-BOO

For Ladies' Hosiery.
Claims use since June 1, 1951.

Ser. No. 621,379. I. Schneierson & Sons, Inc., New York, N. Y. Filed Nov. 17, 1951.

LOOMCRAFT

Applicant claims ownership of Registrations Nos. 366,320, 372,645, and others.
For Ladies' and Children's Slips, Dresses, Nightgowns, Pajamas, Chemises; and Ladies' Uniforms for Work Purposes, of a Textile Fabric.
Claims use since Feb. 1, 1926.

Ser. No. 621,422. Margarete Richter, Jackson Heights, N. Y. Filed Nov. 19, 1951.

Lucky Lady

For Hair Nets.
Claims use since Aug. 6, 1951.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 607,213. C. J. Bates & Son, Chester, Conn. Filed Dec. 2, 1950.

PIC KNIT

The word "Knit" is disclaimed.
For Crochet Hooks and Knitting Needles.
Claims use since Oct. 27, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 581,027. Sears, Roebuck and Co., Chicago, Ill. Filed June 24, 1949. (Sec. 2f.)

HINSDALE

For Textile Rugs and Carpeting.
Claims use since Sept. 16, 1940.

Ser. No. 593,403. Färberei Schlieren A.-G., Zurich, Switzerland. Filed Mar. 4, 1950.



FLEXARMIT

For Waterproof, Fireproof, Heatproof, and Acidproof Fabrics of Cotton, Wool, Linen, Silk, Jute, Hemp, and Synthetic Fibres, and mixtures thereof.

Claims use since Jan. 17, 1947, in Switzerland; and since June 1, 1948, in commerce between Switzerland and the United States.

Ser. No. 593,404. Färberei Schlieren A.-G., Zurich, Switzerland. Filed Mar. 4, 1950.

«Flexarmit»

For Waterproof, Fireproof, Heatproof, and Acidproof Fabrics of Cotton, Wool, Linen, Silk, Jute, Hemp, and Synthetic Fibres, and Mixtures Thereof.

Claims use since Feb. 1, 1946, in Switzerland; and since June 1, 1948, in commerce between Switzerland and the United States.

Ser. No. 619,044. Troy Blanket Mills, Troy, N. H. Filed Sept. 20, 1951.

TROY ROBE

The word "Robe" is disclaimed. Applicant claims ownership of Registrations Nos. 299,668 and 534,679.

For Blankets and Automobile Robes.

Claims use since Aug. 1, 1947.

Ser. No. 623,928. M. J. Whittall Associates, Inc., Worcester, Mass. Filed Jan. 22, 1952. (Sec. 2f as to "Whittall.")

WHITTALL GENTRY

Applicant claims ownership of Registrations Nos. 95,027, 146,626, and 503,407.

For Textile Carpets and Rugs.

Claims use since Dec. 3, 1951, as shown; and since Jan. 1, 1907, as to "Whittall."

CLASS 43

THREAD AND YARN

Ser. No. 621,634. Seller's Mfg. Co., Saxapahaw, N. C. Filed Nov. 24, 1951.

Scoutcord

For Cotton Yarn.

Claims use since Mar. 6, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 606,316. Janvier F. O'Hara, Monrovia, Calif. Filed Nov. 13, 1950.



For Hearing Aid Accessory in the Form of a Microphone Carrying Adaptor for Electrical Connection to a Hearing Aid and Adapted To Be Juxtaposed to an Electromagnetically Actuated Diaphragm to Channel Signals Developed at Such Diaphragm Through the Hearing Aid.

Claims use since May 20, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 556,684. Gibbs & Company, Incorporated, Baltimore, Md. Filed Jan. 3, 1948. (Sec. 2f.)

WEBSTER'S BEST

Applicant claims ownership of Registration No. 200,467.

For Canned Vegetables and Canned Pork and Beans.

Claims use since 1912.

Ser. No. 563,138. South Coast Fisheries, Inc., Terminal Island, Calif. Filed Aug. 10, 1948. (Sec. 2f.)

Concord

Applicant claims ownership of Registration No. 408,884.

For Canned Mackerel, Canned Bonito, and Canned Yellowtail.

Claims use since Feb. 17, 1943.

Ser. No. 568,947. Harry and David, Medford, Oreg. Filed Nov. 17, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 388,209.

For Bottled Cherries, Orange Slices in Syrup, Tiny Pearl Onions and Stuffed Olives, Vended in a Common Package.

Claims use since Dec. 11, 1939.

Ser. No. 578,474. Bar Food Products, Inc., Chicago, Ill. Filed Mar. 29, 1949.

SHARPIES

For Olives, Boneless Herring, Smoked Salmon, and Roasted and Salted Pumpkin Seeds.

Claims use since Sept. 1, 1948.

Ser. No. 581,409. Delicia Chocolate & Candy Mfg. Co. Inc., New York, N. Y. Filed July 1, 1949.

Lucky Bite

For Filled Sugar Wafers.

Claims use since June 20, 1949.

Ser. No. 582,415. Herman W. Christoffers, Denver, Colo. Filed July 23, 1949.



The word "Frosted" is disclaimed.

For Ice Cream-Filled Cones.

Claims use since May 27, 1949.

Ser. No. 583,127. Smith-Duff Co., Pittsburgh, Pa. Filed Aug. 6, 1949.



The words "Peanut Butter" are disclaimed.

For Peanut Butter.

Claims use since July 1946.

Ser. No. 585,017. Gerber Products Company, Fremont, Mich. Filed Sept. 19, 1949. (Sec. 2f as to "Gerber's.")

The infant's head in the letter "G" is an artistic drawing of a picture of Ann Turner Cook taken when a child, whose consent is of record. Applicant claims ownership of Registrations Nos. 277,101, 268,365, 310,224, 369,865, and 405,310.

Gerber's

For Cereal Preparations—Namely, Barley Cereal, Oatmeal, and a Specially Prepared Cereal Mixture Containing Semolina, Mixture of Whole Wheat Flour and Wheat Germ, Etc.

Claims use since Apr. 1, 1949, as to the mark shown: since Oct. 12, 1928, as to the surname "Gerber's"; and since Mar. 7, 1931, as to the portrait.

Ser. No. 586,183. Mountain Fruit Company, Cedaredge, Colo. Filed Oct. 12, 1949.

GRAND MESA

For Fresh Deciduous Fruits.

Claims use since Sept. 6, 1949.

Ser. No. 598,281. Twin Trees Gardens, Inc., Lynbrook, N. Y. Filed May 27, 1950.

LADLE & SPOON

Appplicant claims ownership of Registration No. 421,118.

For Spices and Seasonings for Food Purposes—Namely, Celery Seed, Curry Powder, Coriander, Sesame, Caraway, Allspice, Dill, Cloves, Chili Powder, Pickling Spices, Bay Leaves, Gumbo File, Onion Salt, Pure Mono-Sodium Glutamate, Imported Parmesan Cheese, Vanilla Bean, Ginger, Mint Leaves, Black Pepper, Seasoning Salt, Hickory Smoked Salt, Pure Onion Powder, Mustard Powder, Celery Salt, Cinnamon, Pure Garlic Powder, Poppy Seed, Cardamon, Paprika, Garlic Salt, Dill Salt, Anise, Fennel, Savory, Cumin, Cassia Buds, White Pepper, Mace, Cayenne, Chives Salt, Mustard Seed, Turmeric, and Nutmeg.

Claims use since Feb. 3, 1939.

Ser. No. 598,282. Twin Trees Gardens, Inc., Lynbrook, N. Y. Filed May 27, 1950.

TWIN TREES

Applicant claims ownership of Registration No. 426,075.

For Food Seasonings—Namely, Thyme, Marjoram, Oregano, Tarragon, Sage, Basil, Rosemary, Chervil, Parsley, Chives, Dill, Soup Herbs, Fish Herbs, Salad Herbs, Tomato Herbs, Gravy Herbs, Omelet Herbs, Lamb Herbs, Consomme Herbs, and Poultry Herbs.

Claims use since Oct. 10, 1939.

Ser. No. 600,683. Lenell Bros. Baking Co., Inc., Chicago, Ill. Filed July 14, 1950.

LENBRO

For Bakery Products—Namely, Cookies.

Claims use since June 28, 1950.

Ser. No. 602,067. Earl C. Recker, doing business as Earl C. Recker Company, Mesa, Ariz. Filed Aug. 10, 1950.

MANANA

For Fresh Vegetables and Fresh Melons.
Claims use since July 11, 1950.

Ser. No. 603,781. Gatlinburg Candy Co., Sevierville, Tenn. Filed Sept. 20, 1950.



The words "Taffy" and "Pure as Mountain Air" are disclaimed.
For Taffy Candy.
Claims use since July 5, 1950.

Ser. No. 604,208. The Mason Candy Company, Trinidad, Colo. Filed Sept. 29, 1950.

TOMA

For Candy.
Claims use since Aug. 10, 1950.

Ser. No. 604,635. Haines Oyster Company, Seattle, Wash. Filed Oct. 9, 1950. (Sec. 2f.)

KORTER'S ALLITE

For Canned and Bottled Seafood Cocktail Sauce, Clam Nectar, Seafood Cocktails; Canned, Minced, and Whole Clams.
Claims use since October 1917.

Ser. No. 606,245. Switzer Licorice Company, St. Louis, Mo. Filed Nov. 10, 1950. (Sec. 2f as to "Switzer's.")



The word "Chocolate" is disclaimed. Applicant claims ownership of Registrations Nos. 189,374, 529,462, and 524,890.
For Candy.
Claims use since October 1928 on the mark as shown; and since 1910 on the words "Switzer's Chocolate Soldier."

Ser. No. 608,805. Jakob Mirje & Co. A/S, Bergen, Norway. Filed Dec. 19, 1950.



The representation of the man wearing a crown is fanciful. The vertical lining in the drawing corresponds to actual lines appearing on the labels and is not intended to represent color. The words "Olav Kyrre" denote the name of a long deceased Norweghan ruler and are translated to mean "Olav the Easy Going." Applicant claims ownership of Norwegian Registration No. 39,464, dated Jan. 30, 1952.
For Canned Fish.

Ser. No. 609,032. Durrant Seed & Supply, Scott City, Kans. Filed Jan. 20, 1951.

PRIDE OF THE PLAINS

For Pinto Beans.
Claims use since Sept. 26, 1950.

Ser. No. 609,137. Norsk Frossenfisk A/L, Oslo, Norway. Filed Jan. 23, 1951.



Applicant claims ownership of Norwegian Registration No. 38,091, dated Sept. 21, 1950, and United States Registration No. 550,382.
For Frozen Fish—Namely, Cod, Haddock, Ocean Catfish, Halibut, Ocean Perch, and Whale Meat.

Ser. No. 609,551. Helm Chocolate Limited, Wallington, England. Filed Feb. 2, 1951.



Applicant claims ownership of British Registrations No. 418,249, dated Sept. 2, 1921, and No. 694,663, dated Dec. 14, 1950.
For Cocoa, Baking Chocolate, and Chocolate Candy.

Ser. No. 611,192. North Pacific Canners & Packers, Inc., Portland, Oreg. Filed Mar. 12, 1951.

SUPER MK'T

For Frozen Vegetables—Namely, Green Peas, Green Beans, Spinach, Broccoli, Brussel Sprouts, Lima Beans, and Mixed Vegetables.
Claims use since January 1951.

Ser. No. 612,309. Desert Giant Packing Co., Phoenix, Ariz. Filed Apr. 6, 1951.

Cayuse

For Fresh Vegetables and Fresh Melons.
Claims use since Nov. 10, 1950.

Ser. No. 612,310. Desert Giant Packing Co., Phoenix, Ariz. Filed Apr. 6, 1951.

DESERT GIANT

For Fresh Vegetables and Fresh Melons.
Claims use since Nov. 10, 1950.

Ser. No. 612,388. M. S. Cowen Company, San Francisco, Calif. Filed Apr. 9, 1951.

Perlita

The mark may be translated into English as "A Small Pearl."
For Canned Fish.
Claims use since Mar. 6, 1951.

Ser. No. 612,601. Chester C. Fosgate Co., Forest City, Fla. Filed Apr. 13, 1951.

ACE HIGH

Applicant claims ownership of Registration No. 147,602.
For Frozen Citrus Fruits and Frozen Concentrated Citrus Juices.
Claims use since Sept. 1, 1920.

Ser. No. 613,015. Michigan Blueberry Growers Association, Grand Junction, Mich. Filed Apr. 23, 1951. (Sec. 2f.)



The words "Blueberries," "Michigan Blueberry Growers Association," and "Grand Junction, Michigan" are disclaimed.
For Fresh Cultivated Blueberries.
Claims use since Feb. 15, 1939.

Ser. No. 614,627. Peter Jensen A/S, Copenhagen, Denmark. Filed June 1, 1951.



The representation of the goods and the word "Choice" are disclaimed.
For Cheese.
Claims use since Apr. 20, 1951; and use in commerce between foreign nations and the United States since Apr. 20, 1951.

Ser. No. 614,886. The Maryland Baking Company, sometimes also known as Maryland Baking Company, Inc., and as Maryland Baking Co., Baltimore, Md. Filed June 7, 1951.

TORCH CUP

The word "Cup" is disclaimed.
For Ice Cream Cones.
Claims use since Aug. 10, 1922.

Ser. No. 615,656. Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Filed June 25, 1951.

SNOMAID

Applicant claims ownership of Registrations Nos. 326,805 and 538,192.
For Fresh Deciduous Fruits, and Frozen Fresh Fruits and Frozen Fresh Vegetables.
Claims use since Dec. 6, 1934.

Ser. No. 617,143. Dartmouth Fillet Company, New Bedford, Mass. Filed July 31, 1951. (Sec. 2f.)

NANTUCKET SHOALS



Applicant claims ownership of Registration No. 515,227.
For Frozen Fish Fillets.
Claims use since Apr. 14, 1943.

Ser. No. 617,197. Hecht's Bakery, Incorporated, Bristol, Tenn. Filed Aug. 1, 1951. (Sec. 2f.)



Applicant claims ownership of Registration No. 548,234.
For Bread, Cake, Doughnuts, and Pies.
Claims use since Aug. 4, 1939, as to the mark shown; and since June 15, 1905, as to "Hecht's."

Ser. No. 619,320. Van Wagenen and Schlickhaus Company, Newark, N. J. Filed Sept. 27, 1951. (Sec. 2f.)

SCHICKHAUS

Applicant claims ownership of Registrations Nos. 197,377 and 197,959.
For Ham, Bacon, Sausage—Namely, Tongue and Blood, Salami, Cured Pork Sausage, Frankfurt, Polish, Braunschweiger Liver, Cooked Specialty, Knockwurst, Pork, Bologna, Bockwurst, and Thuringer; Meat Loaf—Namely, Pepper Loaf, Plain Loaf, Pickle and Pimento Loaf, and Savory Imitation Chicken Loaf; Boned and Smoked Pork Shoulder Butt, Head Cheese, Jellied Corned Beef, Pan Cheese, Pan Souse, Lard, Chopped Ham, Dried Beef, and Pork Loins.
Claims use since April 1874.

Ser. No. 619,717. Royal, Barry-Carter Mills, Inc., Nashville, Tenn. Filed Oct. 8, 1951.



The words "All Purpose Blend" and "Goodness Gracious It's Good." The name "Martha White" and the portrait is that of "Martha White Lindsey," now deceased. Applicant claims ownership of Registrations Nos. 192,721, 538,025, and 544,349.
For Coffee.
Claims use since Sept. 4, 1951.

Ser. No. 620,018. Universal Mills, Fort Worth, Tex. Filed Oct. 15, 1951.

BLUECHAIN

Applicant claims ownership of Registration No. 554,902.
For Stock and Poultry Feed.
Claims use since Jan. 1, 1927.

Ser. No. 620,184. Henry K. Akira, doing business as Globe Food Products, Glendale, Calif. Filed Oct. 19, 1951.

Glen-Glo-Brand

The word "Brand" is disclaimed.
For Fresh Vegetables.
Claims use since Sept. 20, 1951.

Ser. No. 620,507. C. D. Kenny Division, Consolidated Grocers Corp., Baltimore, Md. Filed Oct. 26, 1951.

#130

Applicant claims ownership of Registration No. 302,315.
For Peanut Butter, Coffee, and Tea.
Claims use since March 1929.

Ser. No. 620,925. McKenzie & Mackenzie, Guadalupe, Calif. Filed Nov. 6, 1951.

KANGAROO

For Fresh Vegetables.
Claims use since Aug. 18, 1951.

Ser. No. 621,180. Walla Walla Canning Company, Walla Walla, Wash. Filed Nov. 13, 1951.

Greengrocer

For Canned Peas.
Claims use since Sept. 29, 1951.

Ser. No. 622,646. G & B Produce Co., San Jose, Calif. Filed Dec. 18, 1951.

G&B Pride

For Fresh Vegetables.
Claims use since Oct. 25, 1950.

Ser. No. 622,647. G & B Produce Co., San Jose, Calif. Filed Dec. 18, 1951.

TOP DRAWER

For Fresh Vegetables.
Claims use since Oct. 3, 1951.

Ser. No. 623,049. The Goshen Ice Cream Company, Goshen, Ind. Filed Jan. 2, 1952.

Sher-Bettie

For Sherbet Frozen on a Stick.
Claims use since July 1, 1951.

CLASS 47

WINES

Ser. No. 617,791. Ott Freres, Antibes, Alpes Maritimes, France. Filed Aug. 17, 1951.

CHATEAU DE SELLE

For Wines.
Claims use since June 13, 1939; and since Dec. 19, 1948, in commerce between France and the United States.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 603,527. Ralph M. Harper, Winthrop, Mass. Filed Sept. 14, 1950.

WOOFUS

For Carved Figures, Wholly or Principally of Wood, More or Less Grotesquely Suggestive of Living Creatures Either Animal or Human.
Claims use since August 1945.

Ser. No. 605,270. Pullman-Standard Car Manufacturing Company, Chicago, Ill. Filed Oct. 21, 1950. (Sec. 2f as to "Pullman-Standard.")



The words "Built By" and "Car Manufacturing Co." are disclaimed. Applicant claims ownership of Registration No. 243,990.
For Car Name Plates, Railroad Name Plates, Car Number Plates, Monogram Plates, Berth Ladders, Porters' Ladders, Step Boxes.
Claims use since Oct. 8, 1946, as to the mark shown; and since Dec. 26, 1934, as to "Pullman-Standard."

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 574,492. Jacqueline Cochran, Inc., Newark, N. J. Filed Feb. 25, 1949.

FLOWING VELVET

For Cosmetics and Beauty Preparations—Namely, Face Powder, Face Cream, Foundation Cream, Foundation Lotion, Perfume, Cologne, Toilet Water, Cream Rouge, Filled Rouge Compacts, Lipsticks, Skin Tonic, Cleansing Cream, Hand Lotion, Hand Cream, Eye Lotion, Eye Cream, Eye Shadow, Mascara, Night Cream, Throat Cream, Bath Oils, Dusting Powder, Bath Salts, Body Lotion, Body Cream, Suntan Lotion, and Suntan Cream.
Claims use since Jan. 25, 1949.

Ser. No. 585,428. Charles of the Ritz, Inc., New York, N. Y. Filed Sept. 28, 1949.

Sentinel

For Personal Deodorant Lotion.
Claims use since Sept. 10, 1949.

Ser. No. 600,487. Richard Hudnut, New York, N. Y. Filed July 11, 1950.

COLOR-GLO

The word "Color" is disclaimed.
For Hair Dye.
Claims use since June 6, 1950.

Ser. No. 610,797. Parfums Charbert Inc., New York, N. Y. Filed Mar. 3, 1951.

CONSENT

For Perfumes, Cologne, Lotion for the Face and Hands, Cold and Vanishing Creams, and Make-Up Base.
Claims use since Jan. 2, 1951.

Ser. No. 619,560. Ruth O. Barndt, doing business as Ruth Peterson, Philadelphia, Pa. Filed Oct. 4, 1951.

ASTRALENE

For Skin Creams.
Claims use since Nov. 14, 1946.

Ser. No. 620,350. McKesson & Robbins, Incorporated, New York, N. Y. Filed Oct. 23, 1951.

Albolene

Applicant claims ownership of Registrations Nos. 56,690, 64,528, and 412,392.
For Cream for the Care and Cleansing of the Skin.
Claims use since January 1900.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 519,059. James P. Kosta, Dayton, Ohio. Original filed, act of 1905, Apr. 1, 1947; amended to application under act of 1946, Principal Register, Sept. 27, 1950.

KOSTA Crownette

The word "Kosta" is disclaimed. Applicant claims ownership of Registration No. 444,045.
For Shampoo.
Claims use since Oct. 1, 1946.

Ser. No. 529,531. The Anderson Chemical Company, Litchfield, Minn., assignee of Alfred Anderson, doing business as Anderson Chemical Co. Filed July 19, 1947. (Sec. 2f.)

Anderson's

Applicant claims ownership of Registration No. 230,179.
For Washing Powders and Liquid Soap.
Claims use since January 1924.

Ser. No. 582,672. Bonewitz Chemicals, Inc., Burlington, Iowa. Filed July 29, 1949.

SPARK-O-SAN

For Detergents Which Are Diluted With Water and Used for Washing All Types of Glass, Metal, and Plastic Containers, and for Cleaning Numerous Industrial Apparatus and Equipment, Particularly in the Dairy and Packing House Industries.
Claims use since Apr. 28, 1949.

Ser. No. 591,120. The Utility Co. Inc., New York, N. Y. Filed Jan. 19, 1950.

COPE

For Waterless Hand Soap.
Claims use since Jan. 9, 1950.

Ser. No. 598,601. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed June 5, 1950.

DAYBREAK

For Bar Laundry Soap.
Claims use since Oct. 24, 1949.

Ser. No. 607,045. Frances Rothchild, doing business under the name Lenel Co., Dallas, Tex. Filed Nov. 28, 1950.

SUBLIME

For Soaps.
Claims use since Sept. 25, 1950.

Ser. No. 609,773. Allied Chemical & Dye Corporation, New York, N. Y. Filed Feb. 8, 1951.

ACE ALKALI

The word "Alkali" is disclaimed.
For Solid Alkaline Composition Containing Predominantly Caustic Alkali for Machine Washing of Bottles and Other Heavy Duty Cleansing Uses Not Involving Substantial Contact With the Skin.
Claims use since May 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 536,979. The Ace Foods Inc., Milwaukee, Wis. Filed Oct. 7, 1947.

ACE

For Catering Service.
Claims use since Sept. 1, 1929.

Ser. No. 594,551. Kappa Alpha Theta Fraternity, Chicago, Ill. Filed Mar. 24, 1950. COLLECTIVE MARK.

KAPPA ALPHA THETA

Applicant claims ownership of Registration No. 292,053.
For Organizing of Chapters and Alumnae Groups in a National Collegiate Fraternity for Women and Maintaining Membership Therein and Furthering the Civic and Educational Ideas Thereof.
Claims use since February 1870.

Ser. No. 600,651. Chi Omega Fraternity, Cincinnati, Ohio. Filed July 14, 1950. COLLECTIVE MARK.



Shown in arcuate form at the top of the mark are the Greek letters "rho," "beta," "upsilon," "eta," and "sigma," the English equivalents of which are "r," "b," "u," "e," and "s," respectively.
For Stimulating and Helping Maintain Interest in Education, Civic Affairs, and Social Services.
Claims use since Apr. 5, 1895.

Ser. No. 604,135. Alpha Omicron Pi, Oxford, Ohio. Filed Sept. 28, 1950. COLLECTIVE MARK.

ALPHA OMICRON PI

Applicant claims ownership of Registration No. 293,869.
For Establishment and Maintenance of Membership in a National Collegiate Sorority.
Claims use since January 1891.

Ser. No. 616,862. National Association for Stock Car Auto Racing, Inc., Daytona Beach, Fla. Filed July 24, 1951.



For Promotion, Regulation, and Governing of Stock Car Automobile Racing.
Claims use since June 1948.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 546,019. National Bookkeeping Service, Kansas City, Mo. Filed Jan. 2, 1948.



The outline map of the United States and all wording except "National" is disclaimed.
For Bookkeeping Services.
Claims use since May 1, 1945.

Ser. No. 593,562. Presentation Incorporated, Washington, D. C. Filed Mar. 7, 1950.



The drawing is lined for shading. The word "Incorporated" is disclaimed.
For Advertising Service in the Nature of Advising Clients on the Most Suitable Media To Be Employed and Creating Materials in Flat or Three Dimensional Form, as Well as in Transparent Form—Namely, Films, Slides, Animations, Charts, Posters, Illustrations and Copy for Publications, Exhibits, Displays, Still Photographs, Stage Sets for the Theatre and Television, and the Packaging and Dress of Goods.
Claims use since May 8, 1946.

Ser. No. 617,026. Frederick E. Gymer, Cleveland, Ohio. Filed July 27, 1951.

M=M=M
"Make Me a Member"

For Preparation of Advertising and Sales Promotion Material for Use in a Syndicated Direct Mail Sales Promotion Activity.
Claims use since Jan. 1, 1950.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 608,246. Great Eastern Mutual Life Insurance Company, Denver, Colo. Filed Dec. 30, 1950.



All wording except "Silver Shield" and "Great Eastern" is disclaimed. The drawing is lined for silver and blue.
For Underwriting of Hospital, Medical, Surgical, Accidental Injury, and Death Insurance.
Claims use since Dec. 3, 1950.

Ser. No. 617,003. Aetna Life Insurance Company, Hartford, Conn., assignee of The Aetna Casualty and Surety Company. Filed July 27, 1951. (Sec. 2f as to the notation "The Most Far Reaching Name in Loss Prevention.")



Applicant claims ownership of Registrations Nos. 514,283, 513,497, and others.
For Underwriting of Life, Casualty, and Property Insurance.
Claims use since January 1946.

Ser. No. 617,409. The Massachusetts Protective Association, Incorporated, Worcester, Mass. Filed Aug. 7, 1951.



The lining represents lining forming part of the mark rather than color.

For Underwriting of Health and Accident Insurance.

Claims use since June 1, 1946, in present form; and since Oct. 1, 1928, in similar form.

CLASS 104

COMMUNICATION

Ser. No. 567,310. William G. H. Finch, New York, N. Y. Filed July 29, 1948.



The words "Finch," "Air," "Press," and "System" are disclaimed.

For Transmission by Wire or Radio of Facsimile Telegram Messages.

Claims use since May 1939.

Ser. No. 609,680. Grandwood Broadcasting Company, Grand Rapids, Mich. Filed Feb. 6, 1951.



For Radio Program Broadcasting.

Claims use since Dec. 15, 1950.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 609,795. General American Transportation Corporation, Chicago, Ill. Filed Feb. 8, 1951.



The lining represents lining forming part of the mark, rather than indicating color. Applicant claims ownership of Registration No. 132,918.

For Leasing Freight Cars.

Claims use since May 1, 1950.

CLASS 106

MATERIAL TREATMENT

Ser. No. 611,856. Miss Dollie Rothschild, doing business as Maxwell and Rothschild, Cincinnati, Ohio. Filed Mar. 27, 1951.

Molistex Finish

The word "Finish" is disclaimed.

For Softening Synthetic Textile Fabrics in the Piece to Give the Fabrics Better Sewing and Cutting Properties and an Improved Hand Characterized by a Soft Texture.

Claims use since Mar. 21, 1951.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 619,523. Violet Stokesberry, Miami, Fla. Filed Oct. 2, 1951.



The lining does not denote color.

For Entertainment Service Through the Medium of a Radio and Television Program Dealing With the Affairs of Club Women and the Charitable and Civic Activities of Women's Clubs.

Claims use since Feb. 20, 1951.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,691. Candy Mints Containing Vitamins. Vitamin Supple-Mints Co., Milwaukee, Wis., assignor to Oscar G. Trudeau, St. Paul, Minn.
Filed Feb. 14, 1946, Serial No. 496,587. Published Mar. 4, 1952. Class 46.

ACT OF 1946, PRINCIPAL REGISTER

559,191. Developed Motion Picture Film, Frames Thereof and Reproductions Thereof on Film, and Developed Still Picture Film and Reproductions Thereof on Film. Esquire, Inc., Chicago, Ill.
Original filed, act of 1905, Feb. 8, 1945; amended to application under act of 1946, Principal Register, Oct. 29, 1948, Serial No. 479,558. Published Jan. 8, 1952. Class 26.

559,192. Instruments for Dental Surgery — Namely, Handpieces, Centra-Angles, Amalgam Pushers, Injection Syringes, and Alternating Current Driven Vibrating Massaging Devices. Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland.
Original filed, act of 1920, Oct. 21, 1946; amended to application under act of 1946, Principal Register, Aug. 25, 1950, Serial No. 511,250. Published Feb. 19, 1952. Class 44.

559,193. Metal Barrels—Namely, Aluminum and Stainless Steel Beer Barrels. Beatrice Steel Tank Manufacturing Company, Beatrice, Nebr.
Filed July 5, 1947, Serial No. 527,415. Published Mar. 4, 1952. Class 2.

559,194. Wheat Flour. Standard Milling Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,822. Published Mar. 4, 1952. Class 46.

559,195. Compound for Removing Stains From Textile Fabrics. R. R. Street & Co., Inc., Chicago, Ill.
Filed July 12, 1947, Serial No. 528,528. Published Mar. 11, 1952. Class 52.

559,196. Men's Leather Shoes. A. H. Geuting Company, Philadelphia, Pa., assignor to The Geuting Company, Philadelphia, Pa., a corporation of Pennsylvania.
Filed Nov. 14, 1947, Serial No. 541,130. Published Feb. 26, 1952. Class 39.

559,197. Leather Boots and Shoes. O'Donnell Shoe Corporation, Humboldt, Tenn.
Filed Nov. 25, 1947, Serial No. 542,339. Published Feb. 19, 1952. Class 39.

559,198. Canned Fish. Sun Harbor Packing Company, San Diego, Calif., assignor to Westgate-Sun Harbor Company, San Diego, Calif., a corporation of California.
Filed Dec. 22, 1947, Serial No. 545,180. Published Feb. 12, 1952. Class 46.

559,199. Fresh Melons, Fresh Grapes, and Fresh Vegetables. E. W. Merritt, Porterville, Calif.
Filed Jan. 27, 1948, Serial No. 548,091. Published Jan. 1, 1952. Class 46.

559,200. Men's and Boys' Leather, Wool, and Wool Gabardine Coats and Jackets. Adamoff Manufacturing Company, Elizabeth, N. J.
Filed Mar. 2, 1948, Serial No. 550,981. Published Mar. 11, 1952. Class 39.

559,201. Wheat Flour. The Colorado Milling & Elevator Company, doing business as The Hungarian Flour Mills Co., Denver, Colo.
Filed Mar. 10, 1948, Serial No. 551,611. CONCURRENT USE. Published Feb. 19, 1952. Class 46.

559,202. Canned Fruits. Washington Canners Cooperative, Vancouver, Wash.
Filed Mar. 15, 1948, Serial No. 552,025. Published Feb. 12, 1952. Class 46.

559,203. Men's, Women's, and Children's Shoes of Leather and Leather and Fabric. William Hahn & Company, Washington, D. C.
Filed Dec. 29, 1947, Serial No. 552,374. Published Apr. 3, 1951. Class 39.

559,204. Wheat Flour, Coffee, Corn Meal, Livestock Feeds, Etc. Cash Economy Wholesale Grocery Co., doing business under the style name of Keco Milling Co. and U-Tote-Em Grocery Company, McKenzie, Tenn.
Filed Mar. 25, 1948, Serial No. 552,940. Published Mar. 4, 1952. Class 46.

559,205. Boots and Shoes for the Use of Men, Women, and Children. Thompson Bros. Shoe Co., Brockton, Mass.
Filed Apr. 15, 1948, Serial No. 554,734. Published Feb. 26, 1952. Class 39.

559,206. Educational Appliance Consisting of a Shutter Arranged for Timing Accurately the Exposure of Indicia Projected Onto a Screen. Keystone View Company, Meadville, Pa.
Filed Dec. 2, 1947, Serial No. 555,892. Published Jan. 15, 1952. Class 26.

559,207. Laundry Detergents, Strongly Alkaline Detergents Used as Soap Builders, Etc. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed June 23, 1948, Serial No. 560,044. Published Mar. 11, 1952. Class 52.

559,208. Women's Underwear — Namely, Vests, Etc. Alpha Mills Corporation, Schuylkill Haven, Pa.
Filed Aug. 30, 1948, Serial No. 564,367. Published Feb. 6, 1951. Class 39.

559,209. Canned Soups; Canned and Powdered Soup Bases; Etc. Fino Fabrieken, Harderwijk, Netherlands.
Filed Sept. 16, 1948, Serial No. 565,254. Published Jan. 22, 1952. Class 46.

559,210. Hair Waving Lotion. Richard Hudnut, New York, N. Y.
Filed Sept. 22, 1948, Serial No. 565,624. Published Jan. 29, 1952. Class 51.

559,211. Dry Kilns, Especially Engineered for Drying Wood Products—Namely, for Use in Lumber Mills and Shingle Mills. C. M. Lovsted & Co., Inc., Seattle, Wash.
Filed Oct. 2, 1948, Serial No. 566,347. Published Feb. 26, 1952. Class 34.

559,212. Poultry Feeds, Turkey Feeds and Livestock Feeds, Etc. J. Kendley Martin, Atlanta, Ga., doing business as The Standard Feed Milling Company, Hopkinsville, Ky.
Filed Oct. 6, 1948, Serial No. 566,527. Published Feb. 26, 1952. Class 46.

559,213. Space Heaters—Namely, Floor Furnaces and Wall Furnaces. Holly Manufacturing Company, Pasadena, Calif.
Filed Oct. 7, 1948, Serial No. 566,587. Published Feb. 19, 1952. Class 34.

559,214. Chemicals for Clearing Air of Odors and Smoke. Air Correctives, Inc., New York, N. Y., assignor to Air-Aid Corporation, New York, N. Y., a corporation of Delaware.
Filed Oct. 22, 1948, Serial No. 567,447. Published Apr. 4, 1950. Class 6.

559,215. Fireplace Dampers; Log Rests; Ash Dumps; Etc. The Donley Brothers Company, Cleveland, Ohio.
Filed Nov. 12, 1948, Serial No. 568,594. Published Feb. 19, 1952. Class 34.

559,216. Oil Heaters. C. R. Daniels, Inc., Baltimore, Md.
Filed Dec. 9, 1948, Serial No. 570,250. Published Mar. 4, 1952. Class 34.

559,217. Group A—Mechanical Phonographs, Phonograph Needles, Disc Record Albums, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 16, 1948, Serial No. 570,659. Published Mar. 11, 1952. Class 36.

559,218. Photographic Recorder—Namely, a Combination of Photographic Appmratus and Electrical Time Recorder for Use More Particularly in Photographing and Recording the Exact Order of Finish of Contestants in a Race and of the Elapsed Time of Each Contestant. Bulova Watch Company, Inc., New York, N. Y.
Filed Feb. 9, 1949, Serial No. 573,523. Published Jan. 15, 1952. Class 26.

559,219. Cattle Feed Composed of Grains and Minerals. Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif.
Filed Feb. 19, 1949, Serial No. 574,128. Published Jan. 29, 1952. Class 46.

559,220. Men's Outer Shirts. Warren Shirts, Inc., New York, N. Y.: now by change of name Safe-In-Suds, Inc., a corporation of New York.
Filed Mar. 17, 1949, Serial No. 575,613. Published Mar. 4, 1952. Class 39.

559,221. Rubbing Liniment for the Human Body and for Animals on Exposed Parts Except Eyes, and Containing Camphor, Capsicum, Citronella, Cajeput, Spikenard, Alkanet, and Isopropinol. Roscoe A. Duncan, Cedartown, Ga.
Filed Apr. 1, 1949, Serial No. 576,483. Published Jan. 22, 1952. Class 18.

559,222. Cheese, Cheese Food, and Butter. H. C. Christians Co., Chicago, Ill., and Johnson Creek, Wis.
Filed Apr. 2, 1949, Serial No. 576,520. Published Feb. 12, 1952. Class 46.

559,223. Tractors. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed Apr. 19, 1949, Serial No. 577,379. Published Jan. 15, 1952. Class 23.

559,224. Leather Shoes for Infants, Children, and Misses. Red Wing Shoe Company, Inc., Red Wing, Minn., and Dallas, Tex.
Filed May 14, 1949, Serial No. 578,895. Published Feb. 26, 1952. Class 39.

559,225. Frozen Fish. The Union Fish Company, Erie, Pa.
Filed June 15, 1949, Serial No. 580,534. Published Jan. 1, 1952. Class 46.

559,226. Spring Clutch Mechanism Units and Parts Thereof. L. G. S. Spring Clutch Corporation, Indianapolis, Ind., assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio.
Filed June 28, 1949, Serial No. 581,195. Published Jan. 8, 1952. Class 23.

559,227. Candle Holders, Fireplace Screens, Grates, Fenders, Andirons, Oil Lamps, Lamp Shades for Non-Electric Lamps. W. & J. Sloane, New York, N. Y.
Filed July 15, 1949, Serial No. 582,062. Published Feb. 19, 1952. Class 34.

559,228. Leather Goods, Plastic Goods, and Novelties—Namely, Billfolds, Suitcases, Key Ring Cases, Handbags, Portfolios, and Pocketbooks. Benjamin Schneider, Philadelphia, Pa.
Filed July 16, 1949, Serial No. 582,103. Published Feb. 19, 1952. Class 3.

559,229. Internal Combustion Engines and Parts Thereof. ACF-Brill Motors Company, Philadelphia, Pa.
Filed Aug. 1, 1949, Serial No. 582,762. Published Jan. 8, 1952. Class 23.

559,230. Radiators. American Radiator & Standard Sanitary Corporation, Pittsburgh, Pa.
Filed Aug. 3, 1949, Serial No. 582,881. Published Feb. 19, 1952. Class 34.

559,231. CONSOLIDATED CERTIFICATE. Alco Photo Supply Corporation, New York, N. Y.
Photographic Chemicals—Namely, Hypo Solutions, Developers, Grain Intensifiers, Cement Thinners, and Retouching Solutions. Filed Dec. 13, 1950, Serial No. 607,614. Published Jan. 15, 1952. Class 6.
Electrical Devices for Photographic Use—Namely, Electrical Extension Cords and Clamps Therefor, Lighting Stands, Flood Lights, Dry Cell Batteries, and Power Packs. Filed Dec. 13, 1950, Serial No. 607,615. Published Jan. 15, 1952. Class 21.
Photographic Supplies—Namely, Cameras, Etc. Filed Aug. 5, 1949, Serial No. 583,016. Published Jan. 15, 1952. Class 26.

559,232. Packing House Equipment—Namely, Cabinets for Processing Meat Food Products by Heat, Etc. The Allbright-Nell Company, Chicago, Ill.
Filed Aug. 6, 1949, Serial No. 583,072. Published Mar. 4, 1952. Class 34.

559,233. Rubber Soles and Heels. The Hagerstown Rubber Company, Hagerstown, Md.
Filed Aug. 9, 1949, Serial No. 583,199. Published Dec. 26, 1950. Class 39.

559,234. Heating and Air Conditioning Apparatus—Namely, Oil Burners, Water Heaters, Etc. Eureka Williams Corporation, Bloomington, Ill.
Filed Aug. 18, 1949, Serial No. 583,647. Published Feb. 19, 1952. Class 34.

559,235. Olives. Strohmeyer & Arpe Company, New York, N. Y.
Filed Aug. 27, 1949, Serial No. 584,166. Published Jan. 15, 1952. Class 46.

559,236. Fresh Frozen Dressed Poultry and Rabbits. Valley Poultry & Rabbit Co., Rosemead, Calif.
Filed Sept. 27, 1949, Serial No. 585,403. Published Jan. 22, 1952. Class 46.

559,237. Chocolate-Malt Flavored Milk Used as a Beverage. The Wander Company, Chicago, Ill.
Filed Oct. 26, 1949, Serial No. 586,895. Published Feb. 12, 1952. Class 46.

559,238. Wheat Flour. The Mennel Milling Company, Fostoria and Toledo, Ohio.
Filed Nov. 4, 1949, Serial No. 587,342. Published Feb. 26, 1952. Class 46.

559,239. Wheat Flour. The Mennel Milling Company, Fostoria and Toledo, Ohio.
Filed Nov. 4, 1949, Serial No. 587,345. Published Feb. 26, 1952. Class 46.

559,240. Ripe Olives in Brines. Estabelecimentos Manuel da Silva Torrado & Ca. (Irmãos), Sacavem de Baixo and Lisbon, Portugal.
Filed Nov. 18, 1949, Serial No. 588,017. Published Feb. 26, 1952. Class 46.

559,241. Lens Grinding and Polishing Abrasive Compounds. Bausch & Lomb Optical Company, Rochester, N. Y.
Filed Dec. 3, 1949, Serial No. 588,733. Published Mar. 11, 1952. Class 4.

559,242. Canned Spaghetti, Canned Ravioli With Italian Style Tomato Sauce, Canned Chicken Ravioli With Mushroom Flavored Sauce, Canned Tamale, Canned Boneless Chicken Tamale, and Canned Italian Style Mushroom Flavored Spaghetti Sauce. Riviera Packing Company, Oakland, Calif.
Filed Dec. 5, 1949, Serial No. 588,811. Published Feb. 26, 1952. Class 46.

559,243. Travelling Cases—To Wit, Unfilled Toilet Accessory and Week-End Cases. United States Trunk Company, Fall River, Mass.
Filed Dec. 15, 1949, Serial No. 589,399. Published Sept. 12, 1950. Class 3.

559,244. Macaroni. Prince Macaroni Manufacturing Company, Lowell, Mass.
Filed Dec. 17, 1949, Serial No. 589,526. Published Feb. 12, 1952. Class 46.

559,245. Noodles. Mrs. Becker's Noodle Company, Cleveland Heights, Ohio.
Filed Dec. 28, 1949, Serial No. 590,008. Published Feb. 12, 1952. Class 46.

559,246. Overhead Trolleys and Parts Thereof. Chisholm-Moore Hoist Corporation, Tonawanda, N. Y.
Filed Jan. 4, 1950, Serial No. 590,303. Published Feb. 19, 1952. Class 23.

559,247. Dresses and Ladies' Suits. Feinberg-Wiesen, Inc., New York, N. Y.
Filed Jan. 20, 1950, Serial No. 591,154. Published Feb. 26, 1952. Class 39.

559,248. Hand Tools for Cutting Weeds, Grass, and Bushes, Hoes and Tobacco Knives. Lively Lad Manufacturing Company, Inc., Clarksville, Tenn.
Filed Jan. 20, 1950, Serial No. 591,337. Published Jan. 1, 1952. Class 23.

559,249. Portable Massaging Device for Therapeutic Purposes for the Entire Human Body, Etc. Emily M. Laser, Palm Springs, Calif.
Filed Feb. 1, 1950, Serial No. 591,787. Published Mar. 11, 1952. Class 44.

559,250. Acid-Resisting Paint Enamel for Making Photo Engravings. Ernest Scherer, doing business as Scherer's Rolup Ink Co., Grosse Pointe, Mich.
Filed Jan. 10, 1950, Serial No. 591,895. Published Mar. 4, 1952. Class 16.

559,251. Pasture Seed Mixture. Walter Abeles, Toronto, Ontario, Canada.
Filed Feb. 7, 1950, Serial No. 592,061. Published Mar. 11, 1952. Class 1.

559,252. Men's Belts and Suspenders. Sire, Inc., Chicago, Ill.
Filed Feb. 18, 1950, Serial No. 592,725. Published Dec. 26, 1950. Class 39.

559,253. Evaporative Coolers for Comfort Conditioning in Which Air Is Circulated Through Moistened Filter Mats. Comfort Products Corp., Dallas, Tex.
Filed Feb. 27, 1950, Serial No. 593,110. Published Feb. 19, 1952. Class 34.

559,254. Steam Generators, and Steam Cleaners Which Comprise Steam Generators Coupled to Hoses Fitted With Nozzles—With Necessary Controls—for the Purpose of Directing Jets of Steam Onto Objects To Be Cleaned. Super Mold Corporation of California, Lodi, Calif.
Filed Feb. 27, 1950, Serial No. 593,146. Published Feb. 19, 1952. Class 34.

559,255. Medicinal Preparation Used To Counteract Allergic Phenomenon and Colds. Casimir Funk Laboratories, Inc., New York, N. Y.
Filed Mar. 3, 1950, Serial No. 593,331. Published Jan. 22, 1952. Class 18.

559,256. Sweets—Namely, Flavored Candies, Specifically Peppermint Candies. Eduard Haas, Sen., doing business under the style Nährmittelfabrik Ed. Haas, Linz, Austria.
Filed Mar. 23, 1950, Serial No. 594,457. Published Feb. 19, 1952. Class 46.

559,257. Boys' Dungarees. Big Jack Manufacturing Company, Inc., Bristol, Va.
Filed Mar. 31, 1950, Serial No. 594,948. Published Oct. 9, 1951. Class 39.

559,258. Cottage Cheese. Cheez Whip, Inc., Buffalo, N. Y.
Filed Apr. 8, 1950, Serial No. 595,446. Published Feb. 26, 1952. Class 46.

559,259. Enamel Paint. West Paint and Varnish Company, Boston, Mass.
Filed Apr. 19, 1950, Serial No. 595,992. Published Mar. 4, 1952. Class 16.

559,260. Gauges for Registering the Estimated Life of a Tool or Tools in Automatic Machine Tools. The Cross Company, Detroit, Mich.
Filed Apr. 22, 1950, Serial No. 596,157. Published Jan. 8, 1952. Class 26.

559,261. Wallets or Billfolds. Aristocrat Leather Products, Inc., New York, N. Y.
Filed May 3, 1950, Serial No. 596,771. Published Nov. 7, 1950. Class 3.

559,262. Infants' Diapers. Couri-Amoury Inc., New York, N. Y.
Filed May 9, 1950, Serial No. 597,130. Published Mar. 4, 1952. Class 39.

559,263. Radio Navigation Apparatus—Namely, Apparatus for Detecting the Direction of the Propagation of Radiated Electro-Magnetic Energy. Raytheon Manufacturing Company, Newton, Mass.
Filed May 18, 1950, Serial No. 597,697. Published Jan. 15, 1952. Class 26.

559,264. Paints for Exterior and Interior Use. Beacon Lead & Color Works, Inc., Brooklyn, N. Y.
Filed May 23, 1950, Serial No. 597,935. Published Mar. 4, 1952. Class 16.

559,265. Small Kit of Emergency First Aid Supplies, for Dental, Medical, and Surgical Use, and Including Gauze, Bandages, Adhesive Bandages, Adhesive Tape, and Antiseptics. Johnson & Johnson, New Brunswick, N. J.
Filed May 25, 1950, Serial No. 598,082. Published Feb. 26, 1952. Class 44.

559,266. Articles of Outer Clothing for Women and Children—Namely, Blouses, Dresses, and Suits. London Pride Limited, London, England.
Filed May 25, 1950, Serial No. 598,085. Published Feb. 26, 1952. Class 39.

559,267. Oil and Gas Well Pumps and Parts Thereof. Northrup Equipment Company, Parkersburg, W. Va.
Filed May 29, 1950, Serial No. 598,318. Published Jan. 8, 1952. Class 23.

559,268. Plastic Insulated Serving Pitchers for Table Use. Thermoplex International, Inc., New York, N. Y.
Filed May 31, 1950, Serial No. 598,396. Published Mar. 4, 1952. Class 2.

559,269. Vitamin Preparation. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed June 6, 1950, Serial No. 598,688. Published Jan. 22, 1952. Class 18.

559,270. Dog Food. W. A. Davis Milling Company, High Point, N. C.
Filed June 8, 1950, Serial No. 598,787. Published Mar. 11, 1952. Class 46.

559,271. CONSOLIDATED CERTIFICATE. Mills Industries, Incorporated, Chicago, Ill.
Beverage Coolers. Filed June 21, 1950, Serial No. 599,520. Published Oct. 16, 1951. Class 31.
Vending Machines for Candy or the Like. Filed June 21, 1950, Serial No. 599,519. Published July 10, 1951. Class 23.

559,272. Phenolic Organic Chemicals Used in Soaps. Givaudan-Delawanna, Inc., New York, N. Y.
Filed June 23, 1950, Serial No. 599,631. Published Mar. 11, 1952. Class 52.

559,273. Refillable Vaporizers Operated by a Rubber Bulb for Vaporizing Medicaments, Said Vaporizers Sold as Units. A. H. Crundall Proprietary Limited, Melbourne, Victoria, Australia.
Filed Dec. 28, 1949, Serial No. 600,006. Published Mar. 11, 1952. Class 44.

559,274. Therapeutic Apparatus To Facilitate Exercising the Vertebrae of the Spinal Column. Flexaide Co., New York, N. Y.
Filed June 30, 1950, Serial No. 600,040. Published Feb. 19, 1952. Class 44.

559,275. Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct To Surgical Intervention. American Cyanamid Company, New York, N. Y.
Filed July 7, 1950, Serial No. 600,315. Published Jan. 22, 1952. Class 18.

559,276. Enzyme Preparation for the Treatment of Draining Sinuses, Osteomyelitis, Infected Wounds or Ulcers, Hemothorax, Hematoma, Empyema, Otitis Media, and as an Adjunct To Surgical Intervention. American Cyanamid Company, New York, N. Y.
Filed July 7, 1950, Serial No. 600,317. Published Jan. 22, 1952. Class 18.

559,277. Catgut for Surgical Use. B. Braun, Melsungen, Hessen, Germany.
Filed July 11, 1950, Serial No. 600,466. Published Mar. 11, 1952. Class 44.

559,278. Automobile Polish Containing Silicone. Liquid Glass Corporation, New York, N. Y.
Filed July 11, 1950, Serial No. 600,494. Published Mar. 11, 1952. Class 4.

559,279. Back-Wrap and Brunch-Coat. Alamo Manufacturing Co., Inc., New York, N. Y.
Filed July 12, 1950, Serial No. 600,527. Published Feb. 26, 1952. Class 39.

559,280. Men's Shoes. Harold R. Allen, doing business under the trade name and style "Xserviceman Shoe Company," Brockton, Mass.
Filed July 13, 1950, Serial No. 600,561. Published Feb. 19, 1952. Class 39.

559,281. Boilers; Furnaces; Hot Water Heaters; Winter Air Conditioners; Oil Burners; Etc. Petroleum Heat and Power Company, Stamford, Conn.
Filed July 14, 1950, Serial No. 600,696. Published Feb. 26, 1952. Class 34.

559,282. Canned Apple Sauce. Sebastopol Cooperative Cannery, Sebastopol, Calif.
Filed July 20, 1950, Serial No. 600,989. Published Jan. 22, 1952. Class 46.

559,283. Women's Hosiery. The Nolde and Horst Company, Reading, Pa.
Filed July 21, 1950, Serial No. 601,066. Published Feb. 19, 1952. Class 39.

559,284. Men's Hosiery. The Nolde and Horst Company, Reading, Pa.
Filed July 21, 1950, Serial No. 601,070. Published Feb. 19, 1952. Class 39.

559,285. Cereal Breakfast Foods. Ralston Purina Company, St. Louis, Mo.
Filed July 22, 1950, Serial No. 601,119. Published Feb. 26, 1952. Class 46.

559,286. Electric Motor Driven Centrifugal Pumps Used for Pumping Water or Other Liquid From a Storage Unit. Isaac Goodin, Ontario, Calif.
Filed July 24, 1950, Serial No. 601,141. Published Jan. 8, 1952. Class 23.

559,287. Tea. Lewis L. Bredin, doing business as Vitalitea Products Company, Pacific Palisades, Calif.
Filed July 25, 1950, Serial No. 601,192. Published Feb. 26, 1952. Class 46.

559,288. Sutures and Ligatures. Ethicon Suture Laboratories Incorporated, New Brunswick, N. J.
Filed July 25, 1950, Serial No. 601,205. Published Mar. 11, 1952. Class 44.

559,289. Fluorescent Paint. Lawter Chemicals, Inc., Chicago, Ill.
Filed July 26, 1950, Serial No. 601,266. Published Mar. 4, 1952. Class 16.

559,290. Liquid Used as a Bonding and Protective Coating on Surfaces of All Kinds—Namely, Metal, Wood, Plaster, Concrete, and Hard Rubber. H. Forsberg Co., Cleveland, Ohio.
Filed July 28, 1950, Serial No. 601,353. Published Mar. 4, 1952. Class 16.

559,291. Composite Unit Consisting of a Fishing Line Leader and Dispenser. Mason Tackle, Otisville, Mich.
Filed July 29, 1950, Serial No. 601,449. Published Mar. 4, 1952. Class 22.

559,292. Plastic Cases Designed for Holding Watches. Arrow Manufacturing Co., Inc., West New York, N. J.
Filed Aug. 2, 1950, Serial No. 601,590. Published Mar. 4, 1952. Class 2.

559,293. Toy Pistols and Holster Sets. Leslie-Henry Co., Inc., New York, N. Y.
Filed Aug. 5, 1950, Serial No. 601,875. Published Feb. 26, 1952. Class 22.

559,294. Elongated Metal Members Used for the Internal Fixation of Fractured Femurs. Alumni Research Foundation of the College of Medical Evangelists, Loma Linda, Calif.
Filed Aug. 14, 1950, Serial No. 602,132. Published Mar. 11, 1952. Class 44.

559,295. Natural, Synthetic, and Imitation Food Flavors. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Aug. 16, 1950, Serial No. 602,253. Published Feb. 12, 1952. Class 46.

559,296. Frozen Confections on a Stick. Bobby Pops Corp., Rochester, N. Y.
Filed Aug. 18, 1950, Serial No. 602,359. Published Feb. 26, 1952. Class 46.

559,297. Piece Goods of Cotton, Wool and/or Combinations of These Materials. Day's Tailor-d Clothing, Inc., Tacoma, Wash.
Filed Aug. 22, 1950, Serial No. 602,548. Published Feb. 26, 1952. Class 42.

559,298. Ready-Mixed Aluminum Paint. Service Industries, Philadelphia, Pa.
Filed Aug. 25, 1950, Serial No. 602,782. Published Mar. 4, 1952. Class 16.

559,299. Pigmented Varnish. Maurice L. Condon Co., Inc., White Plains, N. Y.
Filed Aug. 28, 1950, Serial No. 602,825. Published Mar. 4, 1952. Class 16.

559,300. Coffee and Rice. Sellers Grocery Company, Inc., also doing business as Sellers Coffee Company, Montgomery, Ala.
Filed Aug. 31, 1950, Serial No. 603,026. Published Jan. 1, 1952. Class 46.

559,301. Leather Work Shoes. Bone Dry Shoe Mfg. Co., Tacoma, Wash.
Filed Sept. 21, 1950, Serial No. 603,832. Published Feb. 26, 1952. Class 39.

559,302. Hydraulically Operated Apparatus for Coring and Trimming Fruits and Vegetables. Roy M. Magnuson, doing business as Magnuson Engineers, San Jose, Calif.
Filed Sept. 25, 1950, Serial No. 603,960. Published Jan. 8, 1952. Class 23.

559,303. Bait Casting Fishing Line. Cortland Line Company, Inc., Cortland, N. Y.
Filed Oct. 12, 1950, Serial No. 604,506. Published Dec. 4, 1951. Class 22.

559,304. Antiseptic Treatment for Hair and Scalp. Morton Manufacturing Corp., doing business under the name and style of Snow White Products Co., Lynchburg, Va.
Filed Oct. 9, 1950, Serial No. 604,655. Published Jan. 22, 1952. Class 18.

559,305. Antibiotic Preparation. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co. Inc., a corporation of Delaware.
Filed Oct. 11, 1950, Serial No. 604,740. Published Jan. 22, 1952. Class 18.

559,306. Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Men and Women. Colt Shoe Company, Boston, Mass.
Filed Oct. 14, 1950, Serial No. 604,904. Published Feb. 26, 1952. Class 39.

559,307. Looms and Parts Thereof, Used in Weaving Textile Fabrics. Crompton & Knowles Loom Works, Worcester, Mass.
Filed Oct. 19, 1950, Serial No. 605,148. Published Jan. 8, 1952. Class 23.

559,308. Water Storage Tanks and Housings Therefor, Boxes for Holding Batteries, and Boxes for Holding Compressors. Pullman-Standard Car Manufacturing Company, Chicago, Ill.
Filed Oct. 21, 1950, Serial No. 605,265. Published Mar. 11, 1952. Class 2.

559,309. Preparations Containing Antibiotic-Sulfonamide Mixtures in the Form of Troches. White Laboratories, Inc., Newark, N. J.
Filed Oct. 30, 1950, Serial No. 605,622. Published Jan. 29, 1952. Class 18.

559,310. Ladies' and Misses' Sweaters, Blouses, and Outer Sport Shirts. Carl Gutmann & Co., Inc., New York, N. Y.
Filed Nov. 4, 1950, Serial No. 605,900. Published Mar. 4, 1952. Class 39.

559,311. Women's and Children's Shoes and Slippers. Gerry Nufoam Shoe Corporation, New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,466. Published Feb. 26, 1952. Class 39.

559,312. Frozen Fresh Shrimp. Marine Products Company, San Diego, Calif.
Filed Nov. 17, 1950, Serial No. 606,535. Published Jan. 1, 1952. Class 46.

559,313. Surface-Active Agent Demonstrating Cation-Active Characteristics, Used in the Manufacture of Cationic Acid Cleaners and as an Additive for Acidic Pickling Liquor and as an Additive for Specific Plating Solutions. Refined Products Corporation, Lyndhurst, N. J.
Filed Nov. 22, 1950, Serial No. 606,809. Published Mar. 4, 1952. Class 52.

559,314. Cutting Heads for Drill Steel. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Nov. 25, 1950, Serial No. 606,942. Published Feb. 19, 1952. Class 23.

559,315. Articles of Knitted Clothing for Children—Namely, Jerseys, Etc. John Carr Doughty Limited, Leicester, England.
Filed Nov. 28, 1950, Serial No. 607,008. Published Mar. 4, 1952. Class 39.

559,316. Bakery and Confectionery Products—Namely, Pretzels, Chocolate Cookie Sticks, Cheese Sticks, Soya Sticks, Tomato Sticks, Celery and Onion Sticks, Rye and Caraway Sticks, and Corn Sticks. Pretzel Bitz Corporation, Bluffton, Ind.
Filed Nov. 28, 1950, Serial No. 607,041. Published Jan. 1, 1952. Class 46.

559,317. Towels and Towelling All of Textile Material. The Scottish Towel Company Limited, Glasgow and Hillington, Glasgow, Scotland.
Filed Nov. 30, 1950, Serial No. 607,144. Published Mar. 11, 1952. Class 42.

559,318. Frozen Strawberry Shortcake. E-Z Bake Products Company, Pittsburgh, Pa., now by change of name Town Square Foods, Inc.
Filed Dec. 1, 1950, Serial No. 607,169. Published Jan. 15, 1952. Class 46.

559,319. Blouses, Dusters, Halters, Jackets, Pedal Pushers, Petticoats, Shorts, Skirts, Scarfs, Stoles, and Weskits. Missouri Garment Company, Inc., Kansas City, Mo.
Filed Dec. 4, 1950, Serial No. 607,258. Published Mar. 4, 1952. Class 39.

559,320. Detergent for Use in Mechanical and Electrical Dishwashing Machines. Church & Dwight Co., Inc., New York and Syracuse, N. Y.
Filed Dec. 12, 1950, Serial No. 607,579. Published Mar. 11, 1952. Class 52.

559,321. Barn Roof Ventilators Comprising Conduits With Inlets and Outlets Some of Which Are Provided With Fans and With and Without Weather Vane Attachments, and Ventilating Fan Units. Starline, Inc., Harvard, Ill.
Filed Dec. 13, 1950, Serial No. 607,647. Published Mar. 4, 1952. Class 34.

559,322. Ladies', Misses', Children's Sweaters, and Knitted Pantie Suits for Infants and Children. Spur Knitting Mills, Inc., New York, N. Y.
Filed Dec. 18, 1950, Serial No. 607,831. Published Mar. 4, 1952. Class 39.

559,323. Net Window Curtains. Bartmann & Bixer, Inc., New York, N. Y.
Filed Dec. 21, 1950, Serial No. 607,921. Published Mar. 11, 1952. Class 42.

559,324. Alkali Cleaning Composition for Cleaning Smoke and Exhaust Tracks From Aircraft Metallic Wings and Nacelles, and for Cleaning General Metallic Surfaces. Fine Organics, Inc., New York, N. Y.
Filed Jan. 10, 1951, Serial No. 608,597. Published Feb. 26, 1952. Class 52.

559,325. Cleaning Composition for Painted, Varnished, and Enameled Surfaces, Metal and Linoleum. Fine Organics, Inc., New York, N. Y.
Filed Jan. 10, 1951, Serial No. 608,598. Published Feb. 26, 1952. Class 52.

559,326. Sardines in Pure Olive Oil. Marques, Neves & Companhia, Limitada, Setubal, Portugal.
Filed Jan. 19, 1951, Serial No. 608,994. Published Jan. 1, 1952. Class 46.

559,327. Gas Burners for Industrial Use, and Parts Therefor, and Industrial Heating Equipment—Namely, Furnaces, Ovens, Dryers, Kilns, and Lehrs, and Heat-Treating Machines for Use in Heat Treating Metal Bodies. Selas Corporation of America, Philadelphia, Pa.
Filed Jan. 29, 1951, Serial No. 609,382. Published Feb. 26, 1952. Class 34.

559,328. Chrome Aluminum Enamel, and a Liquid Plastic for Finishing Surfaces, Applied by Spraying. Bostwick Laboratories, Inc., Bridgeport, Conn.
Filed Feb. 8, 1951, Serial No. 609,778. Published Mar. 4, 1952. Class 16.

559,329. Prepared Gravies. Gravymaster Company, Inc., Long Island City, N. Y.
Filed Feb. 10, 1951, Serial No. 609,923. Published Feb. 26, 1952. Class 46.

559,330. Harmonicas. Louis Greenberg & Son, Inc., New York, N. Y.
Filed Feb. 27, 1951, Serial No. 610,555. Published Mar. 11, 1952. Class 36.

559,331. Polytetrafluoroethylene Coatings in the Nature of Paints and Varnishes. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Mar. 9, 1951, Serial No. 611,080. Published Mar. 4, 1952. Class 16.

559,332. Ladies' Hosiery. Knit Products Corporation, Belmont, N. C.
Filed Mar. 15, 1951, Serial No. 611,365. Published Mar. 4, 1952. Class 39.

559,333. Women's Shoes Made of Leather, Fabric, and Combinations of Leather and Fabric. Cobblers Incorporated, Los Angeles, Calif.
Filed Mar. 19, 1951, Serial No. 611,503. Published Feb. 26, 1952. Class 39.

559,334. Belt and Chain Conveyors. Huwood-Irwin Corporation, Irwin, Pa.
Filed Mar. 21, 1951, Serial No. 611,608. Published Jan. 8, 1952. Class 23.

559,335. Noodles Sold in Packages. Nathan George Horwitt, doing business as Yankee Foods, Lee, Mass.
Filed Mar. 23, 1951, Serial No. 611,700. Published Jan. 8, 1952. Class 46.

559,336. Vacuum Bottle Containing a Small Amount of Anticoagulant Solution Employed in Blood Transfusion. Abbott Laboratories, North Chicago, Ill.
Filed Mar. 26, 1951, Serial No. 611,746. Published Feb. 19, 1952. Class 44.

559,337. Shoulder Strap Bags. Annie Oakley Enterprises, Los Angeles, Calif., assignor to Annie Oakley Enterprises, Inc., Los Angeles, Calif., a corporation of California.
Filed Mar. 28, 1951, Serial No. 611,908. Published Mar. 11, 1952. Class 3.

559,338. Projector for Still Photographs. The FR Corporation, New York, N. Y.
Filed Apr. 6, 1951, Serial No. 612,318. Published Jan. 15, 1952. Class 26.

559,339. Shoes of Leather, or a Combination of Leather, Rubber, or Fabric for Women and Misses. Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo.
Filed Apr. 9, 1951, Serial No. 612,400. Published Feb. 26, 1952. Class 39.

559,340. Core Drills. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y.
Filed Apr. 12, 1951, Serial No. 612,547. Published Jan. 15, 1952. Class 23.

559,341. Pretzels. American Cone & Pretzel Company, Philadelphia, Pa.
Filed Apr. 14, 1951, Serial No. 612,644. Published Nov. 27, 1951. Class 46.

559,342. Textile Fabrics—the Fibers From Which the Fabrics Are Made Are Cotton, Hemp, Linen, Wool, Worsted, Hair, Silk, Artificial Silk, Jute, and Combination of the Foregoing-Mentioned Fibers. William Clark & Sons Limited, Upperlands, Northern Ireland.
Filed Apr. 17, 1951, Serial No. 612,730. Published Mar. 11, 1952. Class 42.

559,343. Men's and Women's Trousers and Walking Shorts, Men's and Women's Jackets, Men's Suits, and Women's Skirts. S. Simpson Limited, London, England.
Filed Apr. 17, 1951, Serial No. 612,762. Published Feb. 19, 1952. Class 39.

559,344. Ring Forceps, Towel Clamps Used as a Special Instrument to Work the Towel During Surgery, and Surgical Scissors. Surgical Instrument Corporation, New York, N. Y.
Filed Apr. 18, 1951, Serial No. 612,837. Published Feb. 19, 1952. Class 44.

559,345. Women's Garments, Comprising Costumes, Blouses, and Shirtwaists, Etc. William Hollins & Company Limited, Nottingham, England.
Filed Apr. 20, 1951, Serial No. 612,911. Published Mar. 4, 1952. Class 39.

559,346. Copper Bottom Paint. Mobile Paint Manufacturing Company of Delaware, Inc., Wilmington, Del., and Mobile, Ala.
Filed Apr. 20, 1951, Serial No. 612,924. Published Mar. 4, 1952. Class 16.

559,347. Medicinal Preparation in Tablet Form in the Treatment of Hypertension. The Mara Laboratories, Inc., Harrison, N. J.
Filed Apr. 24, 1951, Serial No. 613,079. Published Jan. 15, 1952. Class 18.

559,348. Conveyor Buckets. Pekay Machine & Engineering Co., Chicago, Ill.
Filed Apr. 24, 1951, Serial No. 613,083. Published Jan. 8, 1952. Class 23.

559,349. Mild Sedative for Relief of Simple Nervousness. Somnyl Pharmacal Corporation of America, New York, N. Y.
Filed Apr. 26, 1951, Serial No. 613,196. Published Jan. 15, 1952. Class 18.

559,350. Medicinal Preparation for Use in the Treatment of Gastric Hyperacidity and Peptic Ulcer. Winthrop-Stearns Inc., New York, N. Y.
Filed Apr. 27, 1951, Serial No. 613,278. Published Jan. 15, 1952. Class 18.

559,351. Fishhooks. The Enterprise Manufacturing Company, Akron, Ohio.
Filed May 3, 1951, Serial No. 613,439. Published Feb. 19, 1952. Class 22.

559,352. Infants' Slipper-Socks. Stox, Chicago, Ill., assignor to Betty J. Rawlings and Richard A. Rawlings, co-partners, doing business as Stox Company.
Filed May 3, 1951, Serial No. 613,482. Published Feb. 26, 1952. Class 39.

559,353. Antiseptic Preparation in Liquid and Powder Form. West Laboratories, Inc., Long Island City, N. Y.
Filed May 4, 1951, Serial No. 613,540. Published Jan. 15, 1952. Class 18.

559,354. Antiseptic Preparation in Liquid and Solid Form. West Laboratories, Inc., Long Island City, N. Y.
Filed May 4, 1951, Serial No. 613,544. Published Jan. 15, 1952. Class 18.

559,355. Fluid Milk and Cream, Butter, Fresh Eggs, and Cheese. Henry Becker & Son, Inc., Roseland, N. J.
Filed May 8, 1951, Serial No. 613,625. Published Jan. 22, 1952. Class 46.

559,356. Chocolate Flavored Popped Pop-Corn and Butterscotch Flavored Popped Pop-Corn. Charles L. Schwartz, doing business under the name of Hampshire Manor, Lyndeboro, N. H.
Filed May 8, 1951, Serial No. 613,653. Published Mar. 11, 1952. Class 46.

559,357. Pharmaceutical Preparation Useful in the Treatment of Arteriosclerosis. Walker Vitamin Products, Inc., Mount Vernon, N. Y., now by change of name Walker Laboratories, Inc.
Filed May 10, 1951, Serial No. 613,748. Published Jan. 29, 1952. Class 18.

559,358. Resinous Coating Compositions. H. H. Robertson Company, Pittsburgh, Pa.
Filed May 11, 1951, Serial No. 613,781. Published Mar. 4, 1952. Class 16.

559,359. Spectacles. Clairmont-Nichols, Inc., New York, N. Y.
Filed May 12, 1951, Serial No. 613,803. Published Jan. 15, 1952. Class 26.

559,360. Game To Be Played With Dice, Markers, and Individual Playing Boards. R. T. Le Fevre and J. O. Stevenson, Los Angeles, Calif.
Filed May 15, 1951, Serial No. 613,878. Published Mar. 4, 1952. Class 22.

559,361. Vitamin C and Rutin. Makers of Kal, Inc., Los Angeles, Calif.
Filed May 16, 1951, Serial No. 613,932. Published Jan. 29, 1952. Class 18.

559,362. Enamel Paints, Plastic Paints, Oil Paints, Lacquers, Shellac, Coating Waxes, Oils and Thinners for Use in Paint, Lacquers, Varnishes, Enamels, and the Like, Liquid Waterproofing Coating Compositions, Wood and Varnish Stains, Etc. Pace Paints Inc., Brooklyn, N. Y.
Filed May 16, 1951, Serial No. 613,943. Published Mar. 4, 1952. Class 16.

559,363. Shifting Block Puzzle and Card Game. The Plas-Trix Company, Brooklyn, N. Y.
Filed May 17, 1951, Serial No. 614,008. Published Aug. 14, 1951. Class 22.

559,364. Cheese. World Cheese Co., New York, N. Y.
Filed May 18, 1951, Serial No. 614,076. Published Mar. 4, 1952. Class 46.

559,365. Dolls. Uneeda Doll Co. Inc., New York, N. Y.
Filed May 21, 1951, Serial No. 614,180. Published Mar. 4, 1952. Class 22.

559,366. Ladies' Coats. Sportleigh Hall, Inc., New York, N. Y.
Filed May 23, 1951, Serial No. 614,266. Published Feb. 26, 1952. Class 39.

559,367. Ladies', Misses', and Juniors' Coats and Suits. Baitch & Castaldi, Inc., New York, N. Y.
Filed June 1, 1951, Serial No. 614,609. Published Feb. 26, 1952. Class 39.

559,368. Candy Bars. Candymasters Incorporated, Minneapolis, Minn.
Filed June 2, 1951, Serial No. 614,650. Published Jan. 22, 1952. Class 46.

559,369. Glue for Jewelry. Coro, Inc., New York, N. Y.
Filed June 5, 1951, Serial No. 614,754. Published Mar. 11, 1952. Class 5.

559,370. Men's Suits and Slacks, Sport Coats, Lounger Jackets, Women's Suits, Dresses, Short Coats, and Skirts. Foreman & Clark, Los Angeles, Calif.
Filed June 5, 1951, Serial No. 614,767. Published Feb. 19, 1952. Class 39.

559,371. Fresh Citrus Fruits. Graves Brothers Company, Wabasso, Fla.
Filed June 5, 1951, Serial No. 614,769. Published Feb. 5, 1952. Class 46.

559,372. Liquid Oil-Based Finish for Wood Floors. Hillyard Chemical Company, St. Joseph, Mo.
Filed June 8, 1951, Serial No. 614,941. Published Mar. 4, 1952. Class 16.

559,373. Safety Reflectors and Lenses for Use on Vehicles and the Like. Rupert Manufacturing Company, Inc., Kansas City, Mo.
Filed June 8, 1951, Serial No. 614,959. Published Feb. 26, 1952. Class 34.

559,374. Tea, Salad Dressing, Prepared Mustard, and Instant Mix for Making Hot Chocolate Flavored Beverage. McCormick & Company, Inc., Baltimore, Md.
Filed June 12, 1951, Serial No. 615,076. Published Jan. 22, 1952. Class 46.

559,375. Canned Vegetables. Gristede Bros., Inc., New York, N. Y.
Filed June 13, 1951, Serial No. 615,117. Published Jan. 22, 1952. Class 46.

559,376. Ladies' Handbags, Wallets, Travelling Cases, and Beach Bags. U. S. Handbag Corporation, New York, N. Y.
Filed June 13, 1951, Serial No. 615,147. Published Feb. 19, 1952. Class 3.

559,377. Sheets, Sheeting, and Pillow Cases, All Made of Textile Fabrics. Dan River Mills, Incorporated, Danville, Va.
Filed June 14, 1951, Serial No. 615,163. Published Mar. 11, 1952. Class 42.

559,378. Polish for Use on Automobiles, and on Furniture, Floors, Linoleum, and Other Household Articles. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed June 14, 1951, Serial No. 615,166. Published Mar. 11, 1952. Class 4.

559,379. Protective Clothing—Namely, Helmets, Gloves, Aprons, and Leggings. Pangborn Corporation, Hagerstown, Md.
Filed June 15, 1951, Serial No. 615,243. Published Feb. 19, 1952. Class 39.

559,380. Sheets, Sheeting, and Pillow Cases, All Made of Textile Fabrics. Dan River Mills, Incorporated, Danville, Va.
Filed June 16, 1951, Serial No. 615,271. Published Mar. 11, 1952. Class 42.

559,381. Cotton Piece Goods Used as Shirting Fabrics. Dan River Mills, Incorporated, Danville, Va.
Filed June 16, 1951, Serial No. 615,272. Published Mar. 11, 1952. Class 42.

559,382. Frozen Vegetables and Frozen Poultry. General Foods Corporation, New York, N. Y.
Filed June 16, 1951, Serial No. 615,276. Published Feb. 26, 1952. Class 46.

559,383. Shampoo for the Hair. The Grove Laboratories, Inc., St. Louis, Mo.
Filed June 18, 1951, Serial No. 615,317. Published Mar. 11, 1952. Class 52.

559,384. Men's Suits, Trousers, Vests, Coats, Topcoats, and Overcoats. Hart, Schaffner & Marx, Chicago, Ill.
Filed June 18, 1951, Serial No. 615,320. Published Feb. 19, 1952. Class 39.

559,385. Men's, Women's, and Children's Slacks, Trousers, and Jeans. Republic Garment Company, Inc., also doing business as Wood Garment Mfg. Co., Republic, Mo.
Filed June 18, 1951, Serial No. 615,342. Published Feb. 19, 1952. Class 39.

559,386. Fur Skins. Israel Fliegelman, New York, N. Y.
Filed June 19, 1951, Serial No. 615,380. Published Mar. 11, 1952. Class 1.

559,387. Vegetable Oil Shortening, Salad Oil, Wheat Flour, Canned Vegetables, Canned Fruits, Fruit Preserves, and Table Syrup. Mrs. Tucker's Foods, Inc., Sherman, Tex.
Filed June 19, 1951, Serial No. 615,423. Published Jan. 22, 1952. Class 46.

559,388. Soles and Heels of Rubber Compositions or Its Equivalent for Boots and Shoes. The Bearfoot Sole Company, Inc., Boston, Mass.
Filed June 21, 1951, Serial No. 615,477. Published Feb. 26, 1952. Class 39.

559,389. Fire Insulating Paint. Waterloo Corporation, New York, N. Y.
Filed June 21, 1951, Serial No. 615,509. Published Mar. 4, 1952. Class 16.

559,390. Men's, Women's, and Children's Shoes. Avonnac Shoe Company, Chicago, Ill.
Filed June 22, 1951, Serial No. 615,528. Published Feb. 26, 1952. Class 39.

559,391. Barbecue Sauce, Salad Dressing, Sandwich Spread, Imitation Lemon Flavor, and Imitation Vanilla Flavor. Halben Food Manufacturing Co., Inc., St. Louis, Mo.
Filed June 22, 1951, Serial No. 615,551. Published Jan. 29, 1952. Class 46.

559,392. Enriched Wheat Flour, Wholewheat Flour, Cake Flour, Graham Flour, Rye Flour, Buckwheat Flour, Pancake Flour, Wholewheat Pancake Flour, Self-Rising Buckwheat Pancake Flour, Golden Corn Meal, and White Corn Meal. Voigt Milling Company, Grand Rapids, Mich.
Filed June 22, 1951, Serial No. 615,588. Published Feb. 26, 1952. Class 46.

559,393. Fresh Melons and Fresh Vegetables. Joseph F. Voet, doing business as Joe Voet, Brawley, Calif.
Filed June 25, 1951, Serial No. 615,669. Published Mar. 4, 1952. Class 46.

559,394. Textile Fabrics of Synthetic Fibers and of Plastic Yarn. Cadillac Textiles Incorporated, Valley Falls, R. I.
Filed June 28, 1951, Serial No. 615,815. Published Mar. 11, 1952. Class 42.

559,395. Children's Dresses. Boris Smoler & Sons, Inc., Chicago, Ill.
Filed June 28, 1951, Serial No. 615,862. Published Mar. 11, 1952. Class 39.

559,396. Portfolios, Pocket-Books, Billfolds, Wallets, and Handbags. Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm, Chicago, Ill.
Filed June 29, 1951, Serial No. 615,913. Published Feb. 19, 1952. Class 3.

559,397. Fabrics of Cotton, Wool, and Synthetic Fibres and Mixtures Thereof. Graytogs, Inc., New York, N. Y.
Filed July 2, 1951, Serial No. 615,979. Published Mar. 11, 1952. Class 42.

559,398. Trouser Leg Protectors. Royal Leonard, Inc., Glendale, Calif.
Filed July 2, 1951, Serial No. 615,986. Published Mar. 11, 1952. Class 39.

559,399. Fire-Extinguishing Chemicals and Compositions. National Foam System, Inc., West Chester, Pa.
Filed July 2, 1951, Serial No. 615,991. Published Mar. 11, 1952. Class 6.

559,400. Men's, Boys', and Children's Outer Garments Consisting of Coats, Slacks, Trousers, Sport Shirts, and Lounging and Sport Jackets. Crown Togs Sportswear Co., New York, N. Y.
Filed July 3, 1951, Serial No. 616,016. Published Mar. 11, 1952. Class 39.

559,401. Synthetic Fiber in the Form of Filament Fiber, Staple Fiber, and Tow. American Cyanamid Company, New York, N. Y.
Filed July 5, 1951, Serial No. 616,069. Published Mar. 11, 1952. Class 1.

559,402. Oxide of Lead. Standard Electric Co., Inc., San Antonio, Tex.
Filed July 5, 1951, Serial No. 616,143. Published Mar. 11, 1952. Class 6.

559,403. Hand Tools of the Pliers Type and of the Compound Leverage Type, Etc. Aircraft-Marine Products Inc., Harrisburg, Pa.
Filed July 7, 1951, Serial No. 616,197. Published Feb. 5, 1952. Class 23.

559,404. Chemical Compounds, Compositions and Preparations, Particularly for Use as Blood Plasma Substitutes or Extenders, Etc. General Aniline & Film Corporation, New York, N. Y.
Filed July 10, 1951, Serial No. 616,286. Published Mar. 11, 1952. Class 18.

559,405. Thermoplastic Injection Molded Luggage Fittings. The National Plastic Products Company, Odenton, Md.
Filed July 11, 1951, Serial No. 616,329. Published Mar. 11, 1952. Class 3.

559,406. Wallets, Purses, and Handbags. Bernard Cahn Co., Inc., New York, N. Y.
Filed July 12, 1951, Serial No. 616,360. Published Mar. 11, 1952. Class 3.

559,407. Wallets and Purses. Bernard Cahn Co., Inc., New York, N. Y.
Filed July 12, 1951, Serial No. 616,361. Published Mar. 11, 1952. Class 3.

559,408. Dungarees. Commerce Manufacturing Company, Inc., Commerce, Ga.
Filed July 12, 1951, Serial No. 616,365. Published Mar. 11, 1952. Class 39.

559,409. Men's, Women's, Boys', and Girls' Dungarees and Jeans. F. W. Woolworth Co., New York, N. Y.
Filed July 17, 1951, Serial No. 616,615. Published Mar. 11, 1952. Class 39.

559,410. Canned Evaporated Sweet Corn and Dried Packaged Sweet Corn. Martin H. Cope Company, Rheems, Pa.
Filed July 18, 1951, Serial No. 616,626. Published Feb. 26, 1952. Class 46.

559,411. Men's Suits, Topcoats, and Sport Coats. Timely Clothes, Inc., Rochester, N. Y.
Filed July 18, 1951, Serial No. 616,654. Published Mar. 11, 1952. Class 39.

559,412. Carpets and Rugs, Made From Textiles, Cotton, Wool, Pile, and Combinations Thereof. Archibald Holmes & Son, Philadelphia, Pa.
Filed July 20, 1951, Serial No. 616,707. Published Mar. 11, 1952. Class 42.

559,413. Carpets and Rugs, Made From Textiles, Cotton, Wool, Pile, and Combinations Thereof. Archibald Holmes & Son, Philadelphia, Pa.
Filed July 20, 1951, Serial No. 616,708. Published Mar. 11, 1952. Class 42.

559,414. Baking and Cooking Chocolate and Cocoa Butter Sold to the Confectionery, Bakery, and Food Products Trade. A. N. Stollwerck, Inc., Camden, N. J.
Filed July 20, 1951, Serial No. 616,732. Published Feb. 19, 1952. Class 46.

559,415. Guitars, Mandolins, Cornets, Trumpets, Trombones, Alto Horns, Baritone Horns, Bass Horns, Clarinets, Oboes, Bassoons, Bass and Alto Clarinets, Flutes and Piccolos, French Horns, and Piano Accordions. Southern Music Company, San Antonio, Tex.
Filed July 20, 1951, Serial No. 616,735. Published Mar. 11, 1952. Class 36.

559,416. Rust-Inhibiting Germicide. C R I Corporation, New York, N. Y.
Filed July 21, 1951, Serial No. 616,758. Published Mar. 11, 1952. Class 6.

559,417. Food Compound for Use in Cooking and Baking Consisting of Egg Yolk, Egg Whites, Dried Whey and Water. Falls City Creamery Company, Falls City, Nebr.
Filed July 25, 1951, Serial No. 616,907. Published Feb. 26, 1952. Class 46.

559,418. Heating and Cooling Coils. Knapp Mills Incorporated, Long Island City, N. Y.
Filed July 25, 1951, Serial No. 616,912. Published Feb. 19, 1952. Class 34.

559,419. Children's Clothing—Namely, Over-Trousers, Crawlers, Sunsuits, Etc. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed July 25, 1951, Serial No. 616,921. Published Mar. 11, 1952. Class 39.

559,420. Jacket and Pants Combination, for Use by Men. Rainfair, Inc., Racine, Wis.
Filed July 27, 1951, Serial No. 617,057. Published Mar. 11, 1952. Class 39.

559,421. Apparatus To Measure the Reaction of a Driver To Imminent Personal Peril, Denoted Visually by the Projection on a Screen of Motion Pictures of Highway Traffic Conditions as They Would Appear to an Automobile Driver, by Testing Steering Ability, Etc. The Aetna Casualty and Surety Company, Hartford, Conn.
Filed July 28, 1951, Serial No. 617,071. Published Jan. 15, 1952. Class 26.

559,422. Window Curtains. Bartmann & Bixer, Inc., New York, N. Y.
Filed July 28, 1951, Serial No. 617,075. Published Mar. 11, 1952. Class 42.

559,423. Women's and Misses' Blouses. A. J. Edlin Manufacturing Co., Inc., St. Louis, Mo.
Filed July 30, 1951, Serial No. 617,111. Published Mar. 4, 1952. Class 39.

559,424. Chemicals To Be Used in Agricultural Dusting. Van Waters & Rogers, Inc., Seattle, Wash.
Filed July 30, 1951, Serial No. 617,132. Published Mar. 11, 1952. Class 6.

559,425. Geiger Counter. Leslie Norman, doing business under the name of Precision Radiation Instruments, Los Angeles, Calif.
Filed Aug. 2, 1951, Serial No. 617,259. Published Jan. 15, 1952. Class 26.

559,426. Brassières. Artistic Foundations, Inc., New York, N. Y.
Filed Aug. 4, 1951, Serial No. 617,332. Published Mar. 4, 1952. Class 39.

559,427. Cheese. Arago Cooperative Cheese Association, Arago, Oreg.
Filed Aug. 10, 1951, Serial No. 617,528. Published Feb. 26, 1952. Class 46.

559,428. Prepared Edible Chocolate. Nestlés Chocolate Company, Inc., New York, N. Y.
Filed Aug. 23, 1951, Serial No. 617,999. Published Feb. 19, 1952. Class 46.

559,429. Men's and Women's Shoes and Boots. The Florsheim Shoe Company, Chicago, Ill.
Filed Sept. 7, 1951, Serial No. 618,494. Published Feb. 26, 1952. Class 39.

559,430. Plastic Toy Soap Dish. Ideal Toy Corporation, Hollis, N. Y.
Filed Oct. 9, 1951, Serial No. 619,756. Published Mar. 4, 1952. Class 22.

559,431. Halloween, Masquerade, and Party Costumes. Bayshore Industries, Inc., Elkton, Md.
Filed Dec. 4, 1951, Serial No. 621,642. Published Feb. 26, 1952. Class 39.

Service Marks

559,432. Hotel, Resort, and Travel Advertising and Information Service. Where-To-Go Bureau, Inc., Boston, Mass.
Filed July 14, 1948, Serial No. 561,360. Published Mar. 4, 1952. Class 101.

559,433. Electric Power and Steam Heat Distribution Services. Union Electric Company of Missouri, St. Louis, Mo.
Filed Sept. 28, 1949, Serial No. 585,464. Published Mar. 4, 1952. Class 100.

559,434. Finishing of Hosiery—Namely, Dyeing, Boarding, Shaping, and Repairing. Harry McAdams, doing business as Tulip Hosiery Finishing Co., Philadelphia, Pa.
Filed Oct. 4, 1949, Serial No. 585,757. Published Mar. 4, 1952. Class 103.

559,435. Marketing Research—Namely, Marketing Research With Reference to Sales of Consumer Goods. A. C. Nielsen Company, Chicago, Ill.
Filed Nov. 10, 1949, Serial No. 587,646. Published Mar. 4, 1952. Class 101.

559,436. Informational Services to Members Relative to Methods and Procedures for Achieving Most Effective Sponsorship of Charitable, Humanitarian, and Civic Causes. Supreme Council, Mystic Order Veiled Prophets of the Enchanted Realm, Chicago, Ill.
Filed Mar. 7, 1950, Serial No. 593,571. Published Mar. 4, 1952. Class 107.

559,437. General Real Estate and Mortgage Brokerage, Etc. Charles W. Turner, doing business as Harry T. Turner Co., Lynn, Mass.
Filed Mar. 11, 1950, Serial No. 593,844. Published Mar. 4, 1952. Class 102.

559,438. Entertainment Service in the Form of Questions and Answers Through the Medium of Radio and Television Broadcasts, Motion Pictures, and Public Appearances. The Answer Man, New York, N. Y.
Filed May 6, 1950, Serial No. 599,046. Published Mar. 4, 1952. Class 107.

559,439. Informational and Instructive Services Used in the Stimulation and Expansion of Public Interest, Etc. National Wildlife Federation, Washington, D. C.
Filed June 21, 1950, Serial No. 599,526. Published Mar. 4, 1952. Class 107.

559,440. Chemical Treatment of Garments To Preserve and Permanently Protect the Same Against Mildew, Bacterial Mold, Decomposition, Discoloration, Moisture, Light, Dust, Moths, and General Deterioration. Shure Brothers, Incorporated, New Haven, Conn.
Filed July 14, 1950, Serial No. 600,703. Published Mar. 4, 1952. Class 106.

559,441. Information Service for Women on Such Topics of Interest as the Theatre, Home, Food, Music, and Clothing, Through the Media of Radio Broadcast Programs. Roberta Hill, New Bedford, Mass.
Filed July 21, 1950, Serial No. 601,393. Published Mar. 4, 1952. Class 107.

559,442. Entertainment Service in the Nature of Original Dances and Singing Rendered Through the Medium of Personal Appearances. Martha T. M. Pompender, New York, N. Y.
Filed July 31, 1950, Serial No. 602,298. Published Mar. 4, 1952. Class 107.

559,443. Savings and Loan Services—Namely, the Services of Accepting Funds for Deposit and of Making Mortgage Loans. Shaker Savings Association, Shaker Heights, Ohio.
Filed Oct. 7, 1950, Serial No. 604,600. Published Mar. 4, 1952. Class 102.

559,444. Leasing of Clamps for Concrete-Column Forms. Baker-Roos, Inc., Indianapolis, Ind.
Filed Nov. 27, 1950, Serial No. 606,963. Published Mar. 4, 1952. Class 103.

559,445. The Teaching of the Art of Baton Twirling, and Also Furnishing Baton Twirlers for Organizations and Places of Public Entertainment. International Baton Twirling Foundation, Johnstown, Pa.
Filed May 29, 1951, Serial No. 614,507. Published Mar. 4, 1952. Class 107.

559,446. Consulting Mechanical Engineering Service. Walsh, Inc., Chicago, Ill.
Filed June 8, 1951, Serial No. 614,974. Published Mar. 4, 1952. Class 100.

Certification Marks

559,447. Diaper Rental Service. The Diaper Service Institute of America, Philadelphia, Pa.
Filed Nov. 7, 1949, Serial No. 587,429. Published Mar. 4, 1952. Class 100.

559,448. Carcasses of Beef, Lamb, Veal, Pork, and Parts Thereof. United States Department of Agriculture, Washington, D. C.
Filed Apr. 24, 1951, Serial No. 613,095. Published Jan. 8, 1952. Class 46.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

559,449. (Class 17. Tobacco Products.) Fidel J. Diaz, Tampa, Fla. Original filed, act of 1905, July 12, 1945; amended to application under act of 1946, Principal Register, Aug. 14, 1947; amended to Supplemental Register Dec. 7, 1951, Serial No. 485,724.



The portrait is not that of a living individual.
For Cigars.
Claims use since June 21, 1945.

559,450. (Class 47. Wines.) Societe Anonyme Etablissements Taittinger, Mailly & Cie, Reims, France. Original filed, act of 1905, Nov. 16, 1946; amended to application under act of 1946, Principal Register, Sept. 26, 1947; amended to Supplemental Register July 19, 1950, Serial No. 512,755.

TAITTINGER

For Champagne Wine.
Claims use since Oct. 1, 1943, in France; and since Nov. 28, 1945, in commerce between France and the United States.

559,451. (Class 39. Clothing.) Towne Togs, Inc., New York, N. Y., assignee of Jack Litt, Inc. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Supplemental Register, Jan. 9, 1951, Serial No. 525,616.

Hartley

For Cravats.
Claims use since Feb. 3, 1947.

559,452. (Class 46. Foods and Ingredients of Foods.) Tobin Packing Co., Inc., Rochester and Albany, N. Y. Original filed, act of 1946, Principal Register, Oct. 15, 1947; amended to application, Supplemental Register, Mar. 25, 1952, Serial No. 537,950.

Tenderized

Applicant claims ownership of Registration No. 350,156.
For Meats and Meat Products—Viz., Hams, Pork Shoulders, and Picnics.
Claims use since May 14, 1934.

559,453. (Class 45. Soft Drinks and Carbonated Waters.) Grapico Company of America, Inc., Birmingham, Ala. Original filed, act of 1946, Principal Register, Oct. 27, 1947; amended to application, Supplemental Register, Dec. 6, 1951, Serial No. 539,153.

THE DRINK OF THE NATION

MADE ITS WAY
BY THE WAY ITS MADE

For Carbonated, Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Flavoring for Compounding the Same.
Claims use since August 1940.

559,454. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Farrell-Cheek Steel Company, Sandusky, Ohio. Original filed, act of 1946, Principal Register, Nov. 15, 1947; amended to application, Supplemental Register, Sept. 27, 1949, Serial No. 541,273. The word "Hard" is disclaimed.

HARD EDGE

For Parts for Use in Heavy Industrial Equipment Such as Cranes, Locomotives, Power Trucks, Cars for Hauling and Dumping and the Like; Machine Wheels, Sheaves, Rollers, Sprockets, Gear Wheels, Pinions, Flanges, Drums, and Bearing Frames, and Machined Rollers, Pins, Bushings, and Shafts.
Claims use since Jan. 1, 1940.

559,455. (Class 38. Prints and Publications.) American Aviation Associates, Inc., Washington, D. C., now by change of name American Aviation Publications, Inc. Original filed, act of 1946, Principal Register, Jan. 10, 1948; amended to application, Supplemental Register, Nov. 28, 1950, Serial No. 546,634.

International Aviation

For Periodical Published Weekly.
Claims use since Feb. 17, 1944.

559,456. (Class 19. Vehicles.) The Anderson Company, Gary, Ind. Original filed, act of 1946, Principal Register, Jan. 10, 1949; amended to application, Supplemental Register, May 24, 1951, Serial No. 571,888.

CLEAR-FLEX

Applicant claims ownership of Registration No. 390,408.
For Windshield Wiper Blades and Parts Thereof.
Claims use since Aug. 23, 1947.

559,457. (Class 1. Raw or Partly Prepared Materials.) Allied Minerals, Inc., West Chelmsford, Mass. Original filed, act of 1946, Principal Register, Jan. 19, 1949; amended to application, Supplemental Register, Sept. 13, 1951, Serial No. 572,404.

LITTER-DRI

For Finely Divided Filler Product Comprising Essentially a Finely Ground Lime Stone Having a High Calcium Content for Use in Treating Poultry Litter Fibers.
Claims use since June 12, 1948.

559,458. (Class 3. Baggage, Animal Equipments, Portfolios, and Pocketbooks.) S. Dresner & Son, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 21, 1949; amended to application, Supplemental Register, July 28, 1951, Serial No. 572,489.

Flaskit

For Portable Handbags for the Purpose of Carrying Flasks and Accessory Materials.
Claims use since Oct. 27, 1948.

559,459. (Class 6. Chemicals and Chemical Compositions.) H. Kohnstamm & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 17, 1949; amended to application, Supplemental Register, Nov. 19, 1951, Serial No. 574,039.

"SAFE-T-HUES"

For Pigment Colors and Lake for General Manufacturing Purposes.
Claims use since Feb. 9, 1949.

559,460. (Class 2. Receptacles.) Bemis Bro. Bag Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Mar. 25, 1949; amended to application, Supplemental Register, Mar. 21, 1952, Serial No. 576,032.

ANGUS

For Burlap Bags.
Claims use since Feb. 17, 1949.

559,461. (Class 2. Receptacles.) Great American Industries, Inc., Bedford, Va. Original filed, act of 1946, Principal Register, July 14, 1949; amended to application, Supplemental Register, Nov. 10, 1950, Serial No. 581,947.



The word "Keg" and the pictorial representation of the keg are disclaimed.
For Expanded Rubber Ice Bucket.
Claims use since June 4, 1949.

559,462. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Stout Irrigation, Inc., Portland, Oreg. Original filed, act of 1946, Principal Register, Aug. 23, 1949; amended to application, Supplemental Register, Nov. 28, 1951, Serial No. 583,894.



For Irrigation Pipe Couplers and Pipes.
Claims use since Apr. 1, 1949.

559,463. (Class 11. Inks and Inking Materials.) Queen Ribbon & Carbon Co. Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Oct. 12, 1949; amended to application, Supplemental Register, Mar. 17, 1952, Serial No. 586,188.



The rectangular shaded area indicates red.
For Carbon Paper in Form of Packs.
Claims use since Mar. 10, 1943.

559,464. (Class 2. Receptacles.) Reynolds Metals Company, Richmond, Va. Original filed, act of 1946, Principal Register, Dec. 31, 1949; amended to application, Supplemental Register, Jan. 26, 1951, Serial No. 590,235.

Stradite

For Plural Compartment Case of Aluminum Adapted for Holding a Plurality of Beverage Bottles, and Carrying a Handle for Manually Suspending the Case.
Claims use since Nov. 26, 1949.

559,465. (Class 38. Prints and Publications.) The Eastern Color Printing Company, Waterbury, Conn. Original filed, act of 1946, Principal Register, Jan. 31, 1950; amended to application, Supplemental Register, July 24, 1951, Serial No. 591,722.

Movie LOVE

For Comic Magazines, Consisting of Cartoons, Comic and Cartoon Strips, Stories in Text and Pictorial Form, Lessons, Advice to the Lovelorn, Advertisements, Etc., Published in a Series.
Claims use since Jan. 6, 1950.

559,466. (Class 39. Clothing.) Koret of California, Inc., San Francisco, Calif. Original filed, act of 1946, Principal Register, Feb. 13, 1950; amended to application, Supplemental Register, Sept. 25, 1951, Serial No. 592,375.

TUBPLEETS

For Women's, Misses', and Children's Outerwear—Namely, Dresses, Halters, Shorts, Shirts, Blouses, Slacks, Pedal Pushers, and Jackets.
Claims use since Nov. 9, 1949.

559,467. (Class 11. Inks and Inking Materials.) Peerless Roll Leaf Company, Inc., Union City, N. J. Original filed, act of 1946, Principal Register, Apr. 7, 1950; amended to application, Supplemental Register, July 3, 1951, Serial No. 595,395.

Plastik Foil

Applicant claims ownership of Registration No. 387,912.
For Transfer Roll Leaf.
Claims use since Jan. 29, 1940.

559,468. (Class 11. Inks and Inking Materials.) Peerless Roll Leaf Company, Inc., Union City, N. J. Original filed, act of 1946, Principal Register, Apr. 7, 1950; amended to application, Supplemental Register, July 3, 1951, Serial No. 595,396.

Leather Foil

Applicant claims ownership of Registration No. 390,337.
For Transfer Roll Leaf.
Claims use since Aug. 1, 1923.

559,469. (Class 39. Clothing.) Hubrite Informal Frocks, Inc., Boston, Mass. Original filed, act of 1946, Principal Register, May 26, 1950; amended to application, Supplemental Register, Mar. 10, 1952, Serial No. 598,186.

Brief Measure

For Children's, Women's, Ladies', and Misses' Dresses.
Claims use since June 6, 1949.

559,470. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) William G. Michel, Three Rivers, Mich. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Nov. 1, 1951, Serial No. 600,604.

STOR-A-BORD

For Kit Containing Perforated Metal Channels, Length of Chain, and Metal Brackets for Mounting and Maintaining an Ironing Board, When Not in Use, on a Wall or Door.
Claims use since May 8, 1950.

559,471. (Class 16. Protective and Decorative Coatings.) Kurfees Paint Company, Louisville, Ky. Original filed, act of 1946, Principal Register, Aug. 19, 1950; amended to application, Supplemental Register, Sept. 20, 1951, Serial No. 602,458.

KURFEES PAINTS

The word "Paints" is disclaimed. Applicant claims ownership of Registrations Nos. 360,163, 516,395, 516,396, and 516,397.
For (1) Prepared or Ready-Mixed Liquid Paint Enamels, (2) Prepared or Ready-Mixed Liquid Paints, (3) Prepared or Ready-Mixed Liquid Paint Primers, (4) Undercoats for Liquid Paints and Paint Enamels, (5) Paints in Paste Form, (6) Paints in Powder Form, (7) Clear Varnishes, (8) Asphaltum Varnishes, (9) Varnish Sizes, (10) Creosote Shingle, Oil and Varnish Stains, (11) Wood Fillers in Liquid and Paste Form, (12) Wood Sealers for Use by Painters, (13) Gloss Black Paint Enamel Dressings or Finishes for Leather and Rubber Automobile Tops and Curtains, (14) Lacquers, (15) Paint and Paint Enamel Driers, and (16) Liquid Shellac.
Claims use since June 1, 1949.

559,472. (Class 12. Construction Materials.) Kurfees Paint Company, Louisville, Ky. Original filed, act of 1946, Principal Register, Aug. 19, 1950; amended to application, Supplemental Register, Sept. 20, 1951, Serial No. 602,459.

KURFEES PAINTS

The word "Paints" is disclaimed. Applicant claims ownership of Registrations Nos. 503,770 and 503,771.
For (1) Asbestos Roof Cement in Paste and Liquid Form, (2) Roofer's Pitch or Lap Cement and (3) Calking Compound.
Claims use since June 1, 1949.

559,473. (Class 19. Vehicles.) Fiat Società per Azioni, Turin, Italy. Original filed, act of 1946, Principal Register, Oct. 24, 1950; amended to application, Supplemental Register, Nov. 29, 1951, Serial No. 605,357.

POWER PACK
Italy

The word "Italy" is disclaimed. Applicant claims ownership of Italian Registration No. 85,258, dated Feb. 5, 1948.
For Hydraulic Brakes for Aircraft and Motor Vehicles.

559,474. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Burlington Mills Corporation, Greensboro, N. C. Original filed, act of 1946, Principal Register, Oct. 27, 1950; amended to application, Supplemental Register, Feb. 25, 1952, Serial No. 605,462.

AUTUMNALS

For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since Oct. 16, 1950.

559,475. (Class 13. Hardware and Plumbing and Steam Fitting Supplies.) Foster Manufacturing Co. Inc., St. Louis, Mo. Original filed, act of 1946, Principal Register, Nov. 1, 1950; amended to application, Supplemental Register, Mar. 5, 1952, Serial No. 605,734.



For Hose Couplings.
Claims use since Apr. 15, 1950.

559,476. (Class 46. Foods and Ingredients of Foods.) Quaker City Packing Co., Inc., Allentown, Pa. Original filed, act of 1946, Principal Register, Jan. 10, 1951; amended to application, Supplemental Register, Dec. 10, 1951, Serial No. 608,625.

QUAKER CITY

For Food for Dogs.
Claims use since Sept. 15, 1950.

559,477. (Class 46. Foods and Ingredients of Foods.) All Western Plastics Inc., Scottsbluff, Nebr. Original filed, act of 1946, Principal Register, Jan. 12, 1951; amended to application, Supplemental Register, Feb. 7, 1952, Serial No. 608,692.

TASTY TIPS

For Cigarette Holders Made of Candy.
Claims use since June 16, 1950.

559,478. (Class 27. Horological Instruments.) Robert Allen Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Feb. 2, 1951; amended to application, Supplemental Register, Mar. 6, 1952, Serial No. 609,523.

Allen

For Watches.
Claims use since Apr. 18, 1950.

559,479. (Class 46. Foods and Ingredients of Foods.) Beech-Nut Packing Company, Canajoharie, N. Y. Original filed, act of 1946, Principal Register, Feb. 2, 1951; amended to application, Supplemental Register, Mar. 1, 1952, Serial No. 609,527.

MELLO FRUIT

For Chewing Gum.
Claims use since Oct. 6, 1950.

559,480. (Class 51. Cosmetics and Toilet Preparations.) The Nestle-Le Mur Company, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 2, 1951; amended to application, Supplemental Register, Jan. 18, 1952, Serial No. 609,560.

COLORBRIGHT

For Hair Tints and Hair Dyes.
Claims use since Jan. 10, 1951.

559,481. (Class 29. Brooms, Brushes, and Dusters.) Baker Brush Co., Inc., New York, N. Y. Filed Feb. 15, 1951, Serial No. 610,115.

SMOOTH AS A FEATHER

Applicant claims ownership of Registration No. 345,519.
For Paint Brushes.
Claims use since Sept. 25, 1936.

559,482. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Miron Mills, Inc., Clinton, Mass. Original filed, act of 1946, Principal Register, Feb. 23, 1951; amended to application, Supplemental Register, Jan. 28, 1952, Serial No. 610,449.

GROSLAINE

For Wool Fabrics in the Piece.
Claims use since Jan. 16, 1951.

559,483. (Class 28. Jewelry and Precious-Metal Ware.) Ostier, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 1, 1951; amended to application, Supplemental Register, Feb. 21, 1952, Serial No. 610,711.

Skin Pin

For Jewelry for Personal Wear and Adornment Not Including Watches—Namely, Brooches, Pin Clips, Separable Pins, Earrings, Lockets, Necklaces, Charms.
Claims use since September 1950.

559,484. (Class 38. Prints and Publications.) "Your Video Guide," Atlantic City, N. J. Original filed, act of 1946, Principal Register, Mar. 2, 1951; amended to application, Supplemental Register, Feb. 5, 1952, Serial No. 610,774.

VIDEO

For Weekly Publication.
Claims use since Jan. 1, 1951.

559,485. (Class 6. Chemicals and Chemical Compositions.) Kaiser Aluminum and Chemical Corporation, Oakland, Calif. Filed Mar. 14, 1951, Serial No. 611,279.

KAISER

For Calcined Alumina and Hydrated Alumina.
Claims use since Feb. 18, 1950.

559,486. (Class 46. Foods and Ingredients of Foods.) John Sexton & Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 3, 1951; amended to application, Supplemental Register, Mar. 19, 1952, Serial No. 612,182.

Sherman

For Tea and Coffee.
Claims use since Sept. 15, 1944.

559,487. (Class 46. Foods and Ingredients of Foods.) Wilfred B. Keil, Clinton, Iowa. Original filed, act of 1946, Principal Register, Apr. 12, 1951; amended to application, Supplemental Register, Dec. 7, 1951, Serial No. 612,549.

Coffee Bettes

For Powdered Soluble Coffee and Prepared Soluble Coffee Beverage With Cream and/or Sugar Added.
Claims use since Nov. 16, 1950.

559,488. (Class 29. Brooms, Brushes, and Dusters.) The Patterson-Sargent Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Apr. 18, 1951; amended to application, Supplemental Register, Feb. 21, 1952, Serial No. 612,822.

Painteroll

For Paint Applicator of the Roller Type.
Claims use since Jan. 15, 1951.

559,489. (Class 38. Prints and Publications.) Walter Turrentine, doing business as Walter Turrentine Publishing Company, Atlanta, Ga. Filed Oct. 8, 1951, Serial No. 619,725.

The AUTOMATIC LAUNDERER and CLEANER

For Monthly Publication.
Claims use since Nov. 15, 1948.

559,490. (Class 39. Clothing.) Joseph Werndorfer, doing business as Tru-Fit Products, New York, N. Y. Filed Nov. 20, 1951, Serial No. 621,489.

TRU-FIT

For Hairnets.
Claims use since Sept. 14, 1950.

TRADE-MARK REGISTRATIONS RENEWED

85,224. MOTOR CLUB. Registered Feb. 6, 1912. Biedermann Bros. Re-renewed Feb. 6, 1952, to Biedermann Brothers Inc., Chicago, Ill., a corporation of Illinois. Coffee. Class 46.

85,585. RAKIN. Registered Feb. 27, 1912. Hylin & Co. Fabriks Aktiebolag, Stockholm, Sweden, a company organized under the laws of Sweden. Re-renewed Feb. 27, 1952. Liquid Shaving Soap. Class 51.

85,700. "W MFG. CO" AND DESIGN. Registered Mar. 5, 1912. Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania. Re-renewed Mar. 5, 1952. Knitting-Machines, Stop-Motions for Knitting-Machines, and Cloth-Cutting Machines. Class 23.

86,449. "RECKITTS" ETC. AND DESIGN. Registered May 7, 1912. Reckitt & Sons, Ltd., Hull, England. Renewed May 7, 1952, to The R. T. French Company, Rochester, N. Y., a corporation of Delaware. Bluing for Laundry Purposes. Class 6.

86,619. ENSIGN. Registered May 21, 1912. Rosenberg Bros. & Co. Re-renewed May 21, 1952, to Rosenberg Bros. & Co., Inc., San Francisco, Calif., a corporation of Maryland. Dried Apples, Dried Apricots, Dried Nectarines, Etc. Class 46.

86,650. CHLORO NAPTHOLEUM. Registered May 21, 1912. West Disinfecting Company, New York, N. Y. Re-renewed May 21, 1952, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York. Deodorizers and Disinfectants. Class 6.

86,670. IRIS. Registered May 21, 1912. Rosenberg Bros. & Co. Re-renewed May 21, 1952, to Rosenberg Bros. & Co., Inc., San Francisco, Calif., a corporation of Maryland. Dried Apricots, Dried Nectarines, Dried Pears, Etc. Class 46.

87,145. "CON—SER—TEX" AND DESIGN. Registered July 2, 1912. William L. Barrell Company, New York, N. Y., a corporation of Maine. Re-renewed July 2, 1952. Canvas Roofing. Class 12.

87,160. CANTILEVER. Registered July 2, 1912. Edwin C. Burt Company, New York and Brooklyn, N. Y. Re-renewed July 2, 1952, to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Leather Boots, Shoes, and Slippers. Class 39.

87,465. TAGGER. Registered July 16, 1912. Mittag & Volger, Incorporated, Park Ridge, N. J., a corporation of New Jersey. Re-renewed July 16, 1952. Type-writer Ribbons and Carbon-Paper. Class 11.

87,490. SHINOLA. Registered July 16, 1912. Shinola Company, Rochester, N. Y. Re-renewed July 16, 1952, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Shoe-Polish. Class 4.

87,491. SHINOLA. Registered July 16, 1912. Shinola Company, Rochester, N. Y. Re-renewed July 16, 1952, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey. Polishing-Brushes and Daubers for Shoe-Polish. Class 29.

87,601. CHAMPION. Registered July 30, 1912. The Champion Safety Lock Company, assignor to the Champion Hardware Company. Re-renewed July 30, 1952, to The Champion Hardware Company, Geneva, Ohio, a corporation of Ohio. Base-Knobs, Casement-Window Adjusters and Fasteners, Cellar-Window Fasteners, Chest-Handles, Etc. Class 13.

282,194. D PHYFE. Registered Apr. 14, 1931. Frank M. Whiting & Company, North Attleboro, Mass. Renewed Apr. 14, 1951, to Frank M. Whiting & Company, Meriden, Conn., a corporation of Connecticut. Silver Flatware Comprising Knives, Forks, Spoons, and Hollow Ware Comprising Bowls, Etc. Class 28.

289,787. "TEAKWOOD" AND DESIGN. Registered Dec. 8, 1931. Teakwood, Inc. Renewed Dec. 8, 1951, to Bunte Brothers, Chicago, Ill., a corporation of Illinois. Candy. Class 46.

291,209. AQUACID. Registered Feb. 2, 1932. Harry W. Lund, doing business as Aquacid Products Co., Minneapolis, Minn. Renewed Feb. 2, 1952. Liquid Cleaning Fluid for Cases and Works of Watches and Also for Jewelry Such as Rings, Brooches, Pendants, and Necklaces. Class 52.

291,283. BLUE RIBBON. Registered Feb. 9, 1932. Miner-Hillard Milling Co., Wilkes-Barre, Pa., a corporation of Pennsylvania. Renewed Feb. 9, 1952. Dry Paper-Hanger's Paste and Paper Hanger's Wall Size. Class 5.

291,296. GOOD NEWS. Registered Feb. 9, 1932. Jaburg Brothers, Inc. Renewed Feb. 9, 1952, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York. Publications Issued Monthly. Class 38.

291,424. "SICLOR" ETC. AND DRAWING. Registered Feb. 9, 1932. Società Elettrica ed Elettrochimica del Caffaro, Milan, Italy, a corporation organized under the laws of Italy. Renewed Feb. 9, 1952. Chloride of Lime for Use as a Bleach for Textiles, Fibres and Paper, and Disinfectant. Class 6.

291,425. SICLOR. Registered Feb. 9, 1932. Società Elettrica ed Elettrochimica del Caffaro, Milan, Italy, a corporation organized under the laws of Italy. Renewed Feb. 9, 1952. Chloride of Lime for Use as a Bleach for Textiles, Fibres and Paper, and Disinfectant. Class 6.

291,506. RITZ. Registered Feb. 9, 1932. Ben Blumenthal. Renewed Feb. 9, 1952, to L. Heller & Son, Inc., New York, N. Y., a corporation of New York. Artificial Pearls, Synthetic Emeralds, Synthetic Rubies, Synthetic Sapphires, Etc. Class 28.

291,724. HAVMOR. Registered Feb. 23, 1932. Havmor Food Products, Inc., New York and Brooklyn, N. Y. Renewed Feb. 23, 1952, to Havmor Food Products, Inc., Brooklyn, N. Y., a corporation of New York. Potato Chips. Class 46.

291,823. BRAKE SERVICE. Registered Feb. 23, 1932. Edward S. Babcox, doing business as The Babcox Publications. Renewed Feb. 23, 1952, to Babcox Publications, Inc., Akron, Ohio, a corporation of Ohio. Periodicals. Class 38.

291,873. REPRESENTATION OF COW'S HEAD, ETC. AND DRAWING. Registered Feb. 23, 1932. William Faehndrich, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 23, 1952. Cheese. Class 46.

291,880. THEOSOL. Registered Feb. 23, 1932. E. Bilhuber, Inc., Jersey City, N. J. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Feb. 23, 1952. Medical Preparation for the Treatment of the Cardiovascular System and Kidneys. Class 18.

292,082. WIDESITE. Registered Mar. 1, 1932. Shuron Optical Company, Inc. Renewed Mar. 1, 1952, to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York. Lenses for Eyeglassses and Spectacles. Class 26.

292,098. "CLIX" ETC. Registered Mar. 1, 1932. Clix Corporation, New York, N. Y., assignor to Commodity Distributors Inc. Renewed Mar. 1, 1952, to Conrad Razor Blade Co. Inc., Long Island City, N. Y., a corporation of New York. Razors and Razor Blades. Class 23.

292,117. "INVISIGARD" WITH HEAVY UNDERLINE. Registered Mar. 1, 1932. Security Steel Products Company. Renewed Mar. 1, 1952, to Security Products Company, St. Louis, Mo., a corporation of Missouri. Windows, Window Frames, and Window Sashes. Class 12.

292,149. "S T" AND DESIGN. Registered Mar. 1, 1932. Seth Thomas Clock Company. Renewed Mar. 1, 1952, to General Time Corporation, Thomaston, Conn., a corporation of Delaware. Electrical Motors. Class 21.

292,159. "TREECRAFT" AND DRAWING. Registered Mar. 1, 1932. Aktiebolaget Mo och Domsjö Wallboard Co. Renewed Mar. 1, 1952, to Mo och Domsjö Treetex Aktiebolag, Stockholm, Sweden, a joint stock company organized under the laws of Sweden. Boards for Roof, Wall, and Ceiling Covering Made of Vegetable Fibres or of Wood Pulp. Class 12.

292,353. LOV LAY. Registered Mar. 15, 1932. The F. W. Fitch Co., Des Moines, Iowa. Renewed Mar. 15, 1952, to The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware. Hair Dressing. Class 51.

292,612. "RED KING COAL" AND DRAWING LINED FOR RED. Registered Mar. 22, 1932. Reliable Coal & Mining Co., Chicago, Peoria, and Springfield, Ill. Renewed Mar. 22, 1952, to Reliable Coal and Mining Co., Chicago, Ill., a corporation of Illinois. Coal. Class 1.

293,002. GOLD BOND. Registered Apr. 5, 1932. R. C. Heller Co., Inc., Baltimore, Md., a corporation of Maryland. Renewed Apr. 5, 1952. Mattresses. Class 32.

293,057. "DOW" WITHIN DIAMOND-SHAPED OUTLINE. Registered Apr. 5, 1932. The Dow Chemical Company. Renewed Apr. 5, 1952, to The Dow Chemical Company, Midland, Mich., a corporation of Delaware. Construction Materials—Namely, Deliquescent Chlorides Used for Treating and/or Curing Concrete and Concrete Products; Etc. Class 12.

293,297. "LA ROSA GRADE A" AND DRAWING. Registered Apr. 19, 1932. V. La Rosa & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Apr. 19, 1952. Alimentary Pastes. Class 46.

293,400. ADAPTOLETTE. Registered Apr. 19, 1932. Lane Bryant, Inc., New York, N. Y., a corporation of Delaware. Renewed Apr. 19, 1952. Hosiery, Shoes of Leather and Fabric, Rubbers, Underwear, Corsets, Etc. Class 39.

293,467. REPRESENTATION OF TRIANGLE WITHIN RECTANGULAR FIGURE. Registered Apr. 26, 1932. Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine. Renewed Apr. 26, 1952. Bouillon Cubes, Beef Extract, and Fresh, Prepared, Pickled, Dried, and Canned Beef, Etc. Class 46.

293,476. "HOT SPOT" AND DRAWING LINED FOR RED. Registered Apr. 26, 1932. Miner-Hillard Milling Co., Wilkes-Barre, Pa., a corporation of Pennsylvania. Renewed Apr. 26, 1952. Paper-Hanger's Wall Size. Class 5.

293,600. "VASELINE" ETC. AND REPRESENTATION OF CARTON. Registered May 3, 1932. Chesebrough Manufacturing Company, Consolidated, New York, N. Y., a corporation of New York. Renewed May 3, 1952. Hair Tonic. Class 51.

293,617. PIONEER. Registered May 3, 1932. C. M. Lovsted & Co., Inc., Seattle, Wash., a corporation of Washington. Renewed May 3, 1952. Nickel Babbitt Metal. Class 14.

293,792. L. J. C. Registered May 3, 1932. Ludlow Manufacturing Associates. Renewed May 3, 1952, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts. Jute Webbing. Class 42.

293,793. L. S. C. Registered May 3, 1932. Ludlow Manufacturing Associates. Renewed May 3, 1952, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts. Jute Webbing. Class 42.

293,873. ADAPTO. Registered May 10, 1932. Lane Bryant, Inc., New York, N. Y., a corporation of Delaware. Renewed May 10, 1952. Hosiery, Shoes of Leather and Fabric, Rubbers, Underwear, Corsets, Etc. Class 39.

294,217. "GILLETTE BLUE BLADE" ETC. AND DRAWING LINED FOR BLUE. Registered May 24, 1932. Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Renewed May 24, 1952. Safety Razor Blades. Class 23.

294,227. OILITE. Registered May 24, 1932. Chrysler Corporation, Highland Park, Mich., a corporation of Delaware. Renewed May 24, 1952. Bearings for Machinery. Class 23.

294,338. SANIMAID. Registered May 24, 1932. McCrory Stores Corporation, New York, N. Y., a corporation of Delaware. Renewed May 24, 1952. Absorbent Cotton, Absorbent Gauze, and Sanitary Napkins. Class 44.

294,692. HALIVER. Registered June 7, 1932. Abbott Laboratories, North Chicago, Ill., a corporation of Illinois. Renewed June 7, 1952. Fish Livef Oils Used as Accessory Nutritional Factors. Class 18.

294,713. COL-ACE. Registered June 7, 1932. Joe Lowe Corporation, Wilmington, Del., and Brooklyn, N. Y. Renewed June 7, 1952, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. A Vegetable Pure Food Colloid Ice Cream Stabilizer Standardized. Class 46.

294,725. PANEREY PRINTS. Registered June 7, 1932. B. B. & R. Knight Corporation. Renewed June 7, 1952, to Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island. Cloth in the Piece Made All or in Part of Worsted, Wool, Etc. Class 42.

294,853. "BEE HIVE" AND DRAWING. Registered June 7, 1932. Kresge Department Store Corporation. Renewed June 7, 1952, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. Elastic Loom-Web and Elastic Lisle-Web in Narrow Strip or Ribbon Form and Elastic Cords and Braids. Class 40.

294,997. REPRESENTATION OF ELEPHANT WITHIN CIRCLE DESIGN. Registered June 14, 1932. Joseph Tetley & Co., Inc. Renewed June 14, 1952, to Tetley Tea Co., Inc., New York, N. Y., a corporation of New York. Tea, Coffee, Cocoa, Etc. Class 46.

295,446. NIA. Registered July 5, 1932. The Forest City Foundries Company, Cleveland, Ohio, a corporation of Ohio. Renewed July 5, 1952. Repair and Replacement Parts for Heating, Ventilating, and Air-Conditioning Structures—Namely, Bases, Etc. Class 34.

295,492. SELBY TRU-POISE SHOE. Registered July 5, 1932. The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Renewed July 5, 1952. Women's, Misses', and Children's Shoes Constructed of Leather and/or Fabric. Class 39.

295,493. "SUBURBAN CLUB" ETC. AND DRAWING. Registered July 5, 1932. Stetson Shirt Co. Inc., New York, N. Y., a corporation of New York. Renewed July 5, 1952. Dress Shirts. Class 39.

295,747. DACAR. Registered July 12, 1932. The Dacar Products Company, Canton, Ohio. Renewed July 12, 1952, to The Dacar Products Company, Pittsburgh, Pa., a corporation of Ohio. Concentrated Boiler Water Treating Liquid, Concentrated Anti-Freeze Liquid, and Concentrated Automobile Radiator Cleaning Liquid. Class 52.

295,751. "METSO" AND DESIGN. Registered July 12, 1932. Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 12, 1952. Silicate of Soda Either Alone or in Admixture With Other Alkaline Salts. Class 6.

295,786. MONARCH. Registered July 12, 1932. Monarch Metal Weatherstrip Corporation, St. Louis, Mo., a corporation of Missouri. Renewed July 12, 1952. Metal Weatherstrips. Class 12.

295,825. PAN-E-QUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Pancake Flour. Class 46.

295,826. ROLQUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Wheat Flour. Class 46.

295,827. WAF-L-QUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Wheat Flour. Class 46.

295,844. BUNNQUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Wheat Flour. Class 46.

295,845. CRUSQUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Wheat Flour. Class 46.

295,846. DONUT-QUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Wheat Flour. Class 46.

295,847. KOOK-E-QUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Wheat Flour. Class 46.

295,848. MUFFQUICK. Registered July 12, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed July 12, 1952. Wheat Flour. Class 46.

295,850. BLUE CORAL AND DESIGN. Registered July 12, 1932. Harry D. Triantafillu, doing business as H. D. T. Company Factors, Inc., White Plains, N. Y. Renewed July 12, 1952. Polish for Automobiles and All Duco, Lacquered, Varnished, or Baked Enamel Finishes. Class 4.

296,101. PLAYSKOOL. Registered July 19, 1932. Playskool Institute, Inc., Milwaukee, Wis. Renewed July 19, 1952, to Playskool Manufacturing Company, Chicago, Ill., a corporation of Illinois. Toys—Namely, Building Blocks, Peg Boards, Wooden Beads, Etc. Class 22.

296,179. "AVEDIS ZILDJIAN CO." ETC. Registered July 26, 1932. Avedis Zildjian Company, Norfolk Downs, Mass. Renewed July 26, 1952 (Supplemental Register), to Avedis Zildjian Company, Quincy, Mass., a corporation of Massachusetts. Cymbals. Class 36.

296,223. LUXITE MICROSEAM. Registered Aug. 2, 1932. Holeproof Hosiery Co., Milwaukee, Wis., a corporation of Wisconsin. Renewed Aug. 2, 1952. Hosiery. Class 39.

296,262. ELASTICORD. Registered Aug. 2, 1932. United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts. Renewed Aug. 2, 1952. Self-Folding and Self-Coiling Electric Conductors. Class 21.

296,326. "RUN PRUF" ETC. AND DESIGN. Registered Aug. 2, 1932. Van Raalte Company, Inc., New York, N. Y., a corporation of New York. Renewed Aug. 2, 1952. Hosiery. Class 39.

296,347. WN. Registered Aug. 2, 1932. Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania. Renewed Aug. 2, 1952. Ophthalmic and Protection Lenses. Class 26.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

554,442. "P AND R PETE" AND DESIGN. Registered Feb. 5, 1952. The Philadelphia and Reading Coal and Iron Company, Philadelphia, Pa. Pamphlets issued from time to time. Class 38. Corrected as follows: The mark should appear as shown below instead of as in the registration—



TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

120,330. BOURJOIS. Registered Feb. 5, 1918. Renewed Feb. 5, 1938. A. Bourjois & Co., Inc. For Toilet Preparations, as Follows, Face-Powder, Toilet Powder, Sachet-Powder, Etc. Class 51. New certificate under section 7(c) issued May 27, 1952, to Bourjois, Inc., New York, N. Y., a corporation of New York.

256,779. VESTA. Registered May 21, 1929. Renewed May 21, 1949. Vesta Gas Range and Manufacturing Co. Ranges and Stoves in Which Coal, Wood or Gas Is Used as Fuel. Class 34. New certificate under section 7(c) issued May 27, 1952, to The Athens Stove Works, Inc., Athens, Tenn., a corporation of Tennessee.

399,390. HELI-COIL. Registered Jan. 5, 1943. Aircraft Screw Products Company, Incorporated. Spark Plug Bushings. Class 21. New certificate under section 7(c) issued May 27, 1952, to Heli-Coil Corporation, Danbury, Conn., a corporation of Delaware.

419,109. HELI-COIL. Registered Feb. 5, 1946. Aircraft Screw Products Company, Inc. Tools, Apparatus and Machines for Use in Connection With Screw Connections and Their Parts—Namely, Screw-Thread-Tapping Tools, Coiling Machines for Wire Thread Inserts, Etc. Class 23. New certificate under section 7(c) issued May 27, 1952, to Heli-Coil Corporation, Danbury, Conn., a corporation of Delaware.

419,476. HELI-COIL. Registered Feb. 19, 1946. Aircraft Screw Products Company, Inc. Screw Connections and Parts of Screw Connections—Namely, Screws, Bolts, Etc. Class 13. New certificate under section 7(c) issued May 27, 1952, to Heli-Coil Corporation, Danbury, Conn., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 290,733. Registered Jan. 12, 1932. E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware. Republished by registrant.

TERMINIX

For Insecticides.
Claims use since Nov. 1, 1928.

Reg. No. 293,850. Registered May 10, 1932. Kinetic Chemicals, Inc., Wilmington, Del. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

KINETIC

For Fluorinated Hydrocarbons Used as Refrigerants, Propellants, and Fire Extinguishing Preparations.
Claims use since Dec. 1, 1931.

Reg. No. 293,917. Registered May 10, 1932. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Republished by registrant.

ZERONE

For Synthetic Methanol Used as an Anti-Freeze Agent in Automotive Vehicles and Heating Systems.
Claims use since Dec. 3, 1931.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 418,502. Registered Jan. 1, 1946. Arthur L. Kuhlman, Bay City, Mich. Republished by registrant.

Artcery

For Concrete Blocks.
Claims use since May 5, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 184,149. Registered May 20, 1924. Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

DUROBAR

For Sprocket, Drive, Conveying, and Power-Transmission Chains Used for Various Purposes.
Claims use since Jan. 26, 1923.

Reg. No. 288,070. Registered Oct. 20, 1931. Jefferson Union Company, Inc., New York and Lockport, N. Y., and Lexington, Mass., a corporation of Massachusetts. Republished by registrant, present address Lexington, Mass.

JUMBO

For Metal Pipe Fittings.
Claims use since on or about July 1, 1930.

Reg. No. 291,080. Registered Jan. 26, 1932. Bultfabriks Aktiebolaget, Hallstahammar, Sweden, a joint stock company organized under the laws of Sweden. Republished by registrant.

BUFO

For Bolts, Nuts, and Metal Washers.
Claims use since June 8, 1918.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 290,038. Registered Dec. 22, 1931. Brewer & Company Inc., Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

FERRO-COPRAL

For Tonic for the Treatment of Anemia and Allied Conditions.
Claims use since May 1, 1931.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 388,877. Registered July 15, 1941. Arthur L. Kuhlman, Ann Arbor, Mich. Republished by registrant.

ZIPPER

For Electrical Plugs and Sockets.
Claims use since Dec. 27, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 290,066. Registered Dec. 22, 1931. Master Marble Company, Clarksburg, W. Va. Republished by Master Glass Company, Clarksburg, W. Va., a corporation of West Virginia.

CLEARIE

For Marbles.
Claims use since Aug. 8, 1931.

Reg. No. 297,150. Registered Sept. 6, 1932. Marion S. Terry, doing business as Sunshine Magic, Scituate, Mass. Republished by Spaulding-Moss Company, Boston, Mass., a corporation of Massachusetts.

Sunshine Magic

For Child's Blue Printing Set.
Claims use since Sept. 1, 1931.

Reg. No. 409,741. Registered Oct. 17, 1944. Viking Tailless Kite Co., Larchmont, N. Y., a firm. Republished by registrant.

VIKING

For Kites, Dolls, and Cardboard Cut-Out Toys.
Claims use since Aug. 10, 1943.

Reg. No. 428,864. Registered Apr. 8, 1947. Viking Toy Company, Larchmont, N. Y., a firm. Republished by registrant.

ATOMIC MAN

For Toy Kites, Dolls, and Cut-Out Dolls and Animals, Cut-Out Picture Drawings for Children.
Claims use since June 15, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 94,883. Registered Jan. 13, 1914. Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

CHABELCO

For Chain Belt Used for Power Transmitting and Conveying Purposes.
Claims use since Jan. 1, 1912.

Reg. No. 294,189. Registered May 24, 1932. Atlas Imperial Diesel Engine Co., Oakland, Calif. Republished by The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania.

ATLAS IMPERIAL

For Internal Combustion Engines of the Diesel Type.
Claims use since 1904.

Reg. No. 377,964. Registered May 21, 1940. Thermal Research Corporation, Richmond, Va. Republished by Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin.

MICRO — FILM

For Vacuum Apparatus for Deaerating Liquids and the Like.
Claims use since July 28, 1939.

Reg. No. 379,674. Registered July 23, 1940. Thermal Engineering Corporation, Richmond, Va., assignor to Thermal Research Corporation. Republished by Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin.

THERMO-ROTO

For Food Machinery Designed for Sterilization, Pasteurization, Cooking, Heating, and Cooling of Food Products Such as Fruit and Vegetable Juices in Closed Containers.
Claims use since Sept. 16, 1937.

Reg. No. 418,526. Registered Jan. 1, 1946. Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

CHAMPION

For Power Transmission Chain.
Claims use since July 16, 1936.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 316,444. Registered Aug. 28, 1934. National Spiritual Assembly of the Baha'is of the United States and Canada, West Englewood, N. J. Republished by National Spiritual Assembly of the Bahá'is of the United States, Wilmette, Ill., a common law corporation organized under a declaration of trust.



The English translation of the Arabic symbol means "The Greatest Name."
For Periodical Literature and Printed Books.
Claims use since 1909.

Reg. No. 350,407. Registered Sept. 28, 1937. National Spiritual Assembly of the Baha'is of the United States and Canada, New York, N. Y. Republished by National Spiritual Assembly of the Bahá'is of the United States, Wilmette, Ill., a common law corporation organized under a declaration of trust.

WORLD ORDER



For Magazines.
Claims use since April 1935.

CLASS 39

CLOTHING

Reg. No. 292,590. Registered Mar. 15, 1932. Julius Kayser & Co., New York, N. Y., a corporation of New York. Republished by registrant.

KAYSERETTES

For Ladies' Underwear.
Claims use since Oct. 10, 1931.

Reg. No. 349,559. Registered Aug. 31, 1937. Tepper Bros., Plainfield, N. J. Republished by Tepper's Plainfield, Plainfield, N. J., a corporation of New Jersey.

Cedarbrooke

For Men's Clothing—Namely, Dress, Negligee, and Sport Shirts, Pajamas, Hats, Bathrobes, Beachrobes, Lounge Robes, House Coats, Leather Shoes, Sweaters, Neckties, Socks, Suits, Top-Coats, Over-Coats, and Leather Gloves.
Claims use since Oct. 19, 1927.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 84,799. Registered Jan. 9, 1912. American Molasses Co., New York, N. Y. Republished by American Molasses Company, New York, N. Y., a corporation of New York.

AMOLCO

For Molasses.
Claims use since June 15, 1911.

Reg. No. 84,990. Registered Jan. 16, 1912. Newark Packing Company, Inc., Newark, N. J., a corporation of New Jersey. Republished by registrant.



For Smoked Beef and Bacon.
Claims use since 1908.

Reg. No. 214,880. Registered July 6, 1926. Olive Products Company, Oroville, Calif., a corporation of California. Republished by registrant.

MT. IDA

For Olives and Olive Oil in Tin and Glass.
Claims use since 1913.

Reg. No. 228,676. Registered June 7, 1927. Olive Products Company, Oroville, Calif., a corporation of California. Republished by registrant.

GOLDEN FEATHER

For Canned Olives and Olive Oil.
Claims use since 1922.

Reg. No. 234,730. Registered Nov. 1, 1927. Vincent J. Squillante, New York, N. Y. Republished by Vincent J. Squillante, Inc., New York, N. Y., a corporation of New York.

BABY BRAND

The word "Brand" is disclaimed apart from the mark as shown.
For Fresh Fruits—Viz., Casaba and Honey-Dew Melons and Cantaloupes, Olives; Fresh Vegetables—Viz., Artichokes, Finocchi (White Turnip), Tomatoes in Their Natural State, Eggplant, Cabbage, Parsley, Okra, Chicory, Fava Beans, Cauliflower, Turnip Leaves, Dandelion Leaves, Peppers, Celery, Rhubarb, Cucumbers, Lettuce, Romaine Lettuce, Brussel Sprouts, Peas, Spinach, Radishes, Cardone, Onions, Italian Squash, Carrots, Lima Beans, Asparagus, and Black Peppers.
Claims use since Apr. 27, 1926.

Reg. No. 244,375. Registered July 17, 1928. George J. Hollenbeck, Sacramento, Calif. Republished by Exeter Fruit Association, Exeter, Calif., a corporation of California.

LONE EAGLE

For Fresh Vegetables—Namely, Asparagus.
Claims use since Aug. 4, 1927.

Reg. No. 311,944. Registered Apr. 10, 1934. Burnand & Company, Inc., Los Angeles, Calif. Republished by A. A. Burnand, Jr., doing business as Burnand & Company, Nogales, Ariz.



For Fresh Deciduous and Citrus Fruits, Fresh Grapes, and Fresh Vegetables.
Claims use since May 1, 1933.

Reg. No. 348,048. Registered July 13, 1937. The Meat Products Company, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

BRESKO

For Dog Food.
Claims use since Mar. 1, 1932.

Reg. No. 429,173. Registered Apr. 22, 1947. A. B. Wasa Spisbrödsfabrik, Filipstad, Sweden, a company of Sweden. Republished by registrant.



The representation of the goods and the word "Ry" are disclaimed apart from the mark as shown.
For Bread—Namely, Hard Bread (Crisp Bread).
Claims use since January 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 334,531. Registered May 5, 1936. Ste. Pierre Smirnoff Fls. Incorporated, New York, N. Y. Republished by G. F. Heublein & Bro., Inc., Hartford, Conn., a corporation of Connecticut.

DEEPDALE

For Vodka.
Claims use since Dec. 21, 1935.

Reg. No. 334,532. Registered May 5, 1936. Ste. Pierre Smirnoff Fls. Incorporated, New York, N. Y. Republished by G. F. Heublein & Bro., Inc., Hartford, Conn., a corporation of Connecticut.

CLUBMAN

For Vodka.
Claims use since Dec. 21, 1935.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 294,535. Registered May 31, 1932. The Roessler & Hasslacher Chemical Company, Inc., New York, N. Y. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

TRICLENE

For Dry Cleaning Fluid.
Claims use since Sept. 29, 1931.

REISSUES

MAY 27, 1952

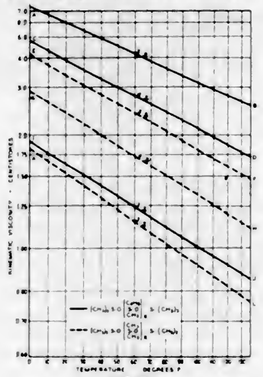
23,502

COPOLYMERIC SILOXANES

Arthur J. Barry and John W. Gilkey, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

Original No. 2,495,362, dated January 24, 1950, Serial No. 41,823, July 31, 1948. Application for reissue December 29, 1951, Serial No. 264,108

5 Claims. (Cl. 260—448.2)



1.

$$(CH_3)_3RSiO\left[\begin{matrix}CH_3\\SiO\\C_7H_7\end{matrix}\right]_n SiR(CH_3)_3$$

where R is selected from the group consisting of methyl and ethyl radicals and n has a positive value.

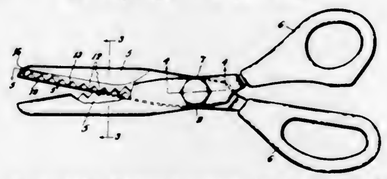
23,503

PINKING SCISSORS

James J. Carney, deceased, late of Wethersfield, Conn., by The United Tool & Die Company, Elmwood, Conn., assignee

Original No. 2,490,414, dated December 6, 1949, Serial No. 699,613, September 27, 1946. Application for reissue January 17, 1952, Serial No. 266,876

12 Claims. (Cl. 30—230)



1. A pinking scissors comprising a pair of pivotally connected blades, each blade having a side substantially normal to the axis of the pivotal connection and an edge transverse to said side, and a series of teeth cut crosswise in the said transverse edge for providing a serrated cutting edge along the side of the blade; the said teeth having high points and low points, each high point of [one] *each* blade and the corresponding low point of the other blade being substantially in register and on an arc having a center substantially at the axis of the said pivotal connection.

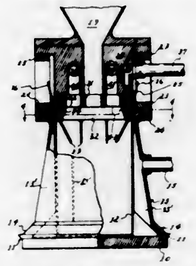
23,504

VACUUM HEAD FOR FILLING CONTAINERS WITH POWDERS

Clarence F. Carter, Danville, Ill.

Original No. 2,513,143, dated June 27, 1950, Serial No. 698,605, September 23, 1946. Application for reissue June 8, 1951, Serial No. 230,568

13 Claims. (Cl. 226—116)



9. A vacuum type filling machine adapted to fill containers having a bottom, side wall forming portions and an open top with finely divided flowable solid material comprising: a head having a filling opening through which the finely divided material may flow into a container with a portion of the head disposed within the open mouth of the container, a shroud for the container, separate conduit means for simultaneously producing sub-atmospheric pressure within the container and in the portion of the shroud disposed around the container, and sealing means laterally engageable with the side wall forming portions of the container for preventing communication between the interior of the container, while under sub-atmospheric pressure, and that portion of the interior of the shroud which is also under sub-atmospheric pressure.

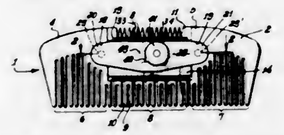
23,505

HAIRCUTTING COMB

Roy P. M. Davis, Bonsall, Calif., assignor, by mesne assignments, to Cutter Corporation, a corporation of Delaware

Original No. 2,519,954, dated August 22, 1950, Serial No. 691,448, August 19, 1946. Application for reissue August 18, 1951, Serial No. 242,561

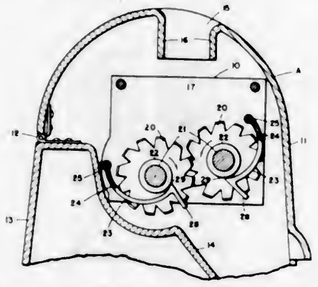
17 Claims. (Cl. 30—31)



12. In a hair trimming comb device, the combination of a comb body, a carrier for a sharpened blade, means for mounting the carrier for sliding movement relative to the comb body, a rotary control member on the comb body, a gear on the rotary control member, a rack on the carrier meshing with the gear whereby the

rotary control member may advance and retract the carrier, and lock means comprising cooperating parts on the comb body and rotary control member selectively engageable through axial movement of the rotary control member.

23,506
STRIPPER AND CLEANER FOR MEAT TENDERIZING MACHINES
Aldrich L. Jackson, Excelsior, Minn., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn., a corporation of Minnesota
Original No. 2,545,407, dated March 13, 1951, Serial No. 670,554, May 17, 1946. Application for reissue June 26, 1951, Serial No. 233,513
7 Claims. (Cl. 17—26)

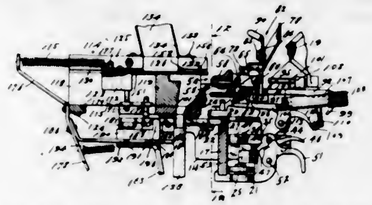


4. In a meat tenderizing machine, a frame, a gang of disk-like knives mounted in spaced relation providing gaps therebetween on and along a shaft rotatably mounted in the frame, spacers on the shaft respectively between the knives and forming the bottom walls of the gaps, an elongated bar, a row of knife cleaning fingers carried by and spaced uniformly along and extending laterally outward from the bar, and means supporting the bar at its ends on the frame disposed along and above said gang with the fingers extending downwardly in the gaps between the knives and having chisel edges in contact with the bottom walls of the gaps at one side of a vertical plane passing through the rotary axis of the gang.

23,507
METHOD FOR PRODUCING AND REFINING ETHYL ALCOHOL
Russel L. Maycock, Oakland, and Clarence L. Dunn, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original No. 2,575,556, dated November 20, 1951, Serial No. 775,740, September 23, 1947. Application for reissue January 11, 1952, Serial No. 266,077
3 Claims. (Cl. 260—641)

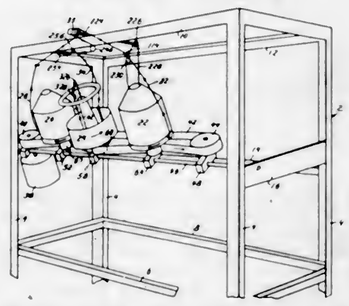
1. In a method of producing ethanol, the steps comprising reacting gaseous ethylene and water vapor at elevated temperatures and pressures and in the presence of an acid catalyst to produce a crude, ethanol-containing, gaseous effluent strongly acid in character; maintaining said effluent in the gaseous state *while* spraying said effluent with a solution of an alkaline material in a quantity sufficient to establish a pH of from 6.5 to about 7.5 in the liquid obtained on condensing the effluent; condensing the effluent; fractionally distilling the condensate to provide a distillate high in ethanol; hydrogenating the distillate in the presence of a nickel hydrogenation catalyst; and fractionally distilling the hydrogenated solution to produce an ethanol fraction having a permanganate time of at least 30 minutes and a true, unadulterated ethanol odor.

23,508
AUTOMATIC PLATE INSERTER AND EJECTOR FOR EMBOSSING MACHINES
Percy R. Seward, deceased, late of Minneapolis, Minn., by Addressograph-Multigraph Corporation, Wilmington, Del., assignee
Original No. 2,534,834, dated December 19, 1950, Serial No. 16,238, March 22, 1948. Application for reissue December 17, 1951, Serial No. 261,992
27 Claims. (Cl. 197—6.6)



20. In a [machine] *device* of the class described, [a track,] a carriage arranged to run on [the] *a* track, a plate holder mounted on the carriage for compound projecting and tilting movements, yielding means normally holding the plate holder retracted, automatic means actuated by the carriage for positioning and locking a plate relative to the plate holder while *the plate holder is* holding a plate under the positioned plate to be released, manually controlled means having an initial movement for operating the plate holder to release a plate held thereby, and a final movement for tilting the plate holder, and other manually operated means for projecting the plate holder to receive the positioned plate.

23,509
METHOD OF AND APPARATUS FOR TWISTING YARN
Henry C. Uhlig, Clifton, N. J., assignor, by mesne assignments, to Howe Twister Corporation, Jersey City, N. J., a corporation of New Jersey
Original No. 2,487,837, dated November 15, 1949, Serial No. 765,577, August 1, 1947. Application for reissue November 7, 1950, Serial No. 194,550
39 Claims. (Cl. 57—58)



3. The method of forming stranded cord from a plurality of yarns in one continuous operation, comprising [the following steps in the order named:] withdrawing each of a plurality of yarns from its separate source in the direction of its length, separately twisting *such yarns* [each such yarn] *each in a free flying loop* [the same predetermined amount in the same hand] to form threads, gathering such threads *by whirling a free loop of each yarn about its source in a separate orbit* in approximately parallel relationship while continuing the travel of the material, forwarding the gathered threads into a *free flying* loop thereof yieldingly maintained under tension, feeding the threads together from such loop [, and] *while whirling such loop in an orbit isolated from the orbits of the yarn balloons, thereby* twisting the thus fed gathered threads together [in the hand opposite the direction of twist of the individual threads] to form a cord, and yieldingly coiling the resulting cord *within the orbit of the whirling loop of gathered threads*, the twisting of the threads together being so conducted as to form a cord of predetermined pitch, such pitch having a predetermined relation to the pitch of the individual twisted threads, the speed of gathering and forwarding of the gathered threads governing the speed of withdrawal of the yarns from their sources, all of such steps being performed with the material continuously in motion.

PLANT PATENTS

GRANTED MAY 27, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,100
NECTARINE PLANT
Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application February 20, 1951, Serial No. 211,889
1 Claim. (Cl. 47—62)

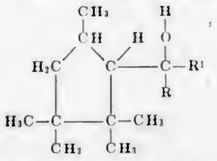
A new and distinct variety of nectarine plant of the yellow-fleshed, freestone type, characterized as to novelty by its resemblance to the variety "Pioneer" (Plant Patent No. 787), but dominantly distinguished therefrom by its shorter winter chilling requirement, by its earlier ripening period, by its more vigorous, larger and more obconic habit of growth, by its longer, more upright and slender lateral growths, and by the more orange coloring in the skin and lesser acidity of its fruit, substantially as shown and described herein.

PATENTS

GRANTED MAY 27, 1952

2,597,842
CYCLIC CARBINOLS
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 9, 1950, Serial No. 161,011
9 Claims. (Cl. 260—617)

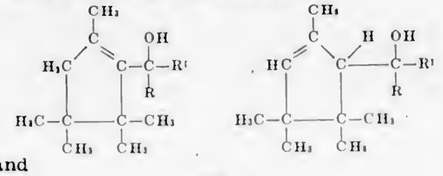
1. A carbinol having the structural formula



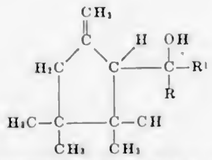
wherein R represents a member of the group consisting of hydrogen and an alkyl group and R^1 represents a member of the group consisting of an alkyl group, a cycloalkyl group, and an aryl group.

2,597,843
CYCLOPENTENYL CARBINOLS
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 9, 1950, Serial No. 161,013
10 Claims. (Cl. 260—617)

1. A carbinol having a structural formula selected from the group consisting of



and

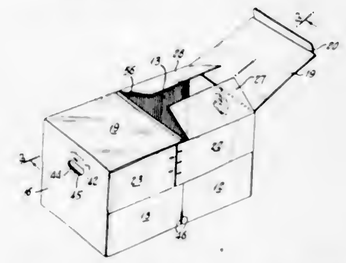


wherein R represents a member of the group consisting of hydrogen and an alkyl group and R^1 represents a member of the group consisting of an alkyl group, a cycloalkyl group, and an aryl group.

2,597,844
PURIFYING SOAPS OF FATTY ACIDS
Sylvan R. Merley, Riverton, and August Kofoet, Bellmawr, N. J., assignors, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 24, 1948, Serial No. 61,900
4 Claims. (Cl. 260—413)

1. The method of purifying a calcium soap of wax acids including mixing an impure calcium soap of wax acids with a finely divided inert solid material in such relative proportions that the soap is spread in a thin layer over the surface of the solid material, comminuting the soap-solid mixture whereby to form a mass of free-flowing granules, contacting the granules with a solvent and leaching the impurities from the soap, separating the solvent containing dissolved impurities from the granules, and recovering a product consisting essentially of a purified soap mixed with the inert material.

2,597,845
EGG SHIPPING CONTAINER
Harry C. Reeser, North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application March 1, 1949, Serial No. 79,015
6 Claims. (Cl. 229—15)

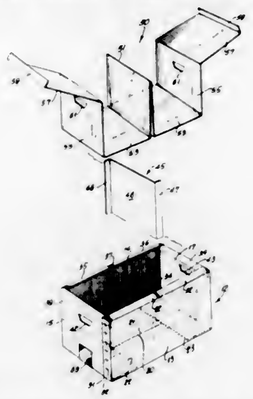


1. A compartmented container for the shipment of eggs and the like, comprising two identical body members joined to form a unitary container body, and a transverse partition dividing said container into two compartments, each of said body members comprising an end wall, a bottom, and sidewalls, and inwardly extending attaching flanges integral with the bottom and side walls of said body members, the flanges of one of said body members being secured to the flanges of the other of said body members.

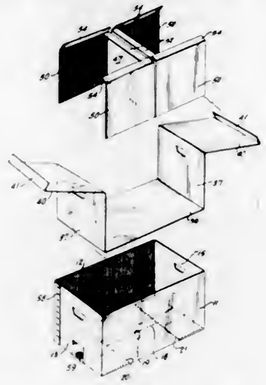
2,597,846
CONTAINER FOR SHIPMENT OF EGGS
Harry C. Reeser, North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application March 1, 1949, Serial No. 79,016
3 Claims. (Cl. 229—15)

1. A compartmented container for the shipment of eggs and the like which comprises, in combination, a substantially rectangular body portion having a bottom, side walls and end walls, a transverse partition member disposed centrally of said body portion and secured to each of said side walls to divide said body portion into two compartments, and a liner member disposed in said body portion, said liner member having integral panels overlying each side of said partition

member and integral portions overlying the end walls and the bottom of said body portion, the portions of said liner overlying the end walls having hinged extensions to provide cover members bendable to close said compartments.

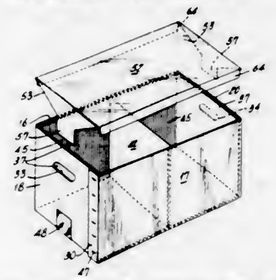


2,597,847
SHIPPING CONTAINER FOR EGGS
Harry C. Reeser, North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application March 1, 1949, Serial No. 79,017
2 Claims. (Cl. 229—15)



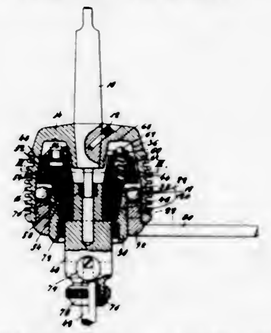
1. A compartmented container for the shipment of eggs and the like which comprises, in combination, a substantially rectangular case having a bottom, side walls and end walls, an elongated liner member disposed interiorly of said case and having a portion coextensive with the bottom of said case, adjacent integral portions coextensive with the interior surface of said end walls, a cover member integral with each of said adjacent portions and flexibly connected to the upper edges thereof, tuck flaps on the ends of said cover members, and a double walled lateral partition member disposed centrally of said outer case, and dividing said case into two compartments, said partition member comprising two integral panels having their free ends extending upwardly in said case, said integral panels forming a recess adapted to receive the tuck flaps of said cover members, and said integral panels having extensions overlying the inner surfaces of said side walls and extending substantially to the end walls.

2,597,848
EGG CONTAINER
Harry C. Reeser, North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application July 19, 1949, Serial No. 105,492
3 Claims. (Cl. 229—15)



1. A compartmented container for the shipment of eggs and the like which comprises, in combination, a substantially rectangular case having a bottom, side walls and end walls, an elongated liner member disposed interiorly of said case and having a portion coextensive with the bottom of said case and adjacent portions coextensive with the interior surface of said end walls, a partition member having a pair of flexibly connected panels disposed adjacent one another centrally of said case and dividing said case into two compartments, each of said panels having extensions overlying the inner surface of said side walls, and a detachable cover member having locking means at each end thereof for securing said cover to said end walls and having a flexibly connected flange at each side thereof and extending substantially the full length thereof for insertion downwardly between said side walls and said panel extensions.

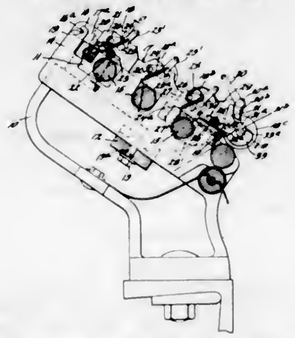
2,597,849
THREAD-CUTTING DEVICE
Uno Allan Alfredeén, Stockholm, Sweden, assignor to Aktiebolaget Svenska Precisionsverktyg, Nacka, Sweden, a corporation of Sweden
Application April 13, 1949, Serial No. 87,216
In Sweden April 17, 1948
5 Claims. (Cl. 74—205)



1. A reversible rotary tool holder comprising a driving member, a tool-holding driven member

concentric with and axially shiftable between spaced end positions relative to the driving member, an annular retaining member located within the driving member, an annular force transmitting element located between said retaining member and said driven member, a plurality of balls carried by said retaining member and means for holding said retaining member rotationally stationary, said driving member and said force transmitting element having confronting grooves providing races and said balls being situated between said races for engagement with the same to locate said driving member and said force transmitting element relative to each other axially in both directions as well as radially, said driving and driven members having clutch surfaces located to engage when the driven member is axially in one of said end positions to provide a direct driving connection between said members, and said force transmitting element and said driven member having clutch surfaces located to engage when the driven member is axially in the other of said end positions and said retaining member is held against rotation to provide a reverse driving connection between said driving and driven members.

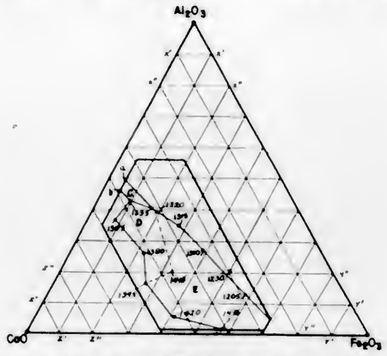
2,597,850
ATTENUATING APPARATUS
Claudio Portella Batista, Mexico City, Mexico, assignor to Wilson Lewith, Charlotte, N. C.
Application May 16, 1950, Serial No. 162,206
In Mexico May 26, 1949
17 Claims. (Cl. 19—130)



1. In a device of the kind described, a top roll support having parallel guide bars provided with oppositely disposed and upwardly opening bearing slots spaced longitudinally along said guide bars, top rolls each having journals at its ends fitting in said slots, rocking latches pivoted to each bar adjacent each slot, said latches each having a bearing portion engaging over a respective journal, means connecting the latches for each roll in a simultaneously moving pair, and spring means urging said latches to effect downward pressure on said journals upon engagement of the latches with the journals.

2,597,851
METHOD OF FLUIDIZING SLAG IN THE MANUFACTURE OF STEEL BY OPEN-HEARTH AND ELECTRIC FURNACE PROCESSES
James J. Bowden, Warren, Ohio
Application February 26, 1949, Serial No. 78,506
10 Claims. (Cl. 75—54)

1. The method of conditioning open hearth and electric furnace slags in steel manufacture, which slags contain dicalcium silicate and free lime, comprising the steps of adding to the slag a mineral having a M. P. of substantially 1205–1435° C. and whose components of initial



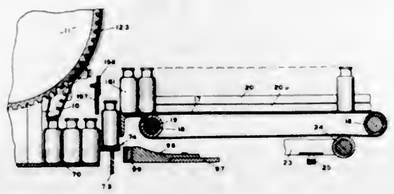
formation were lime, alumina and iron oxide, and having the percentage relation to each other as shown in the area of the accompanying drawing bounded substantially by the following points:

45% CaO	6% Al_2O_3
42% CaO	17% Al_2O_3
38% CaO	26% Al_2O_3
34% CaO	36% Al_2O_3
25% CaO	43% Al_2O_3
28.5% CaO	46% Al_2O_3
41.5% CaO	5% Fe_2O_3
53% CaO	18% Fe_2O_3
57% CaO	26% Fe_2O_3
52% CaO	39% Fe_2O_3
55% CaO	70% Fe_2O_3
47% CaO	70% Fe_2O_3
49% CaO	57% Fe_2O_3
50% Al_2O_3	41% Fe_2O_3
40% Al_2O_3	26% Fe_2O_3
36% Al_2O_3	22% Fe_2O_3
27% Al_2O_3	9% Fe_2O_3
5% Al_2O_3	10% Fe_2O_3
1.5% Al_2O_3	5% Fe_2O_3
1.5% Al_2O_3	

which slag has been formed by heating a charge of metallic iron to be converted and calcium oxide, employing substantially one-half to ten pounds of the aforesaid mineral per ton of total iron melted, the temperature of the furnace being above M. P. of the charge and still further above the M. P. of the aforesaid mineral but below the M. P. of dicalcium silicate, the addition of the mineral fluidizing the slag by melting of the mineral which then combines with components of the slag.

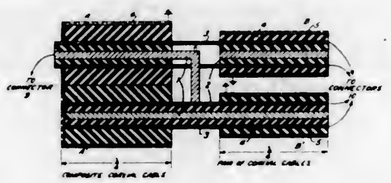
2,597,852
BOTTLE-FILLING MACHINE WITH CONVEYER FOR CONVEYING BOTTLES TO AN ELEVATOR AND PUSHER FOR PUSHING BOTTLES FROM ELEVATOR TO FILLING POSITION
Leonard T. Cookson, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
Application March 2, 1946, Serial No. 651,551
13 Claims. (Cl. 226—2)

12. In a container filling machine, the combination comprising: a filling platform; a base platform substantially co-planar therewith; filling means mounted above said filling platform; a conveyor supporting frame positioned above and spaced from said base platform and a conveyor supported thereon, said conveyor having its discharge end adjacent to said filling means and spaced therefrom; an elevator platform adjacent to the discharge end of said conveyor and means for raising and lowering said elevator platform; pusher means between said base platform and said conveyor, and means horizontally actuating said pusher means when said elevator platform is in its lowermost position to move containers on said elevator platform toward and



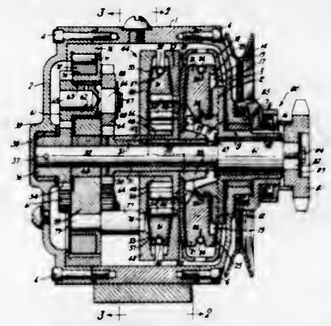
onto said filling platform; and means intermittently moving said conveyor, reciprocating said elevator platform and reciprocating said pusher means all in timed relation to each other for moving containers by said conveyor onto said elevator platform, lowering said containers by said elevator platform to a point substantially co-planar with said filling platform and thence pushing said containers from said elevator platform onto said filling platform.

2,597,853
UNBALANCED TO BALANCED LINE TRANSFORMER
Paul D. Coleman, Dayton, Ohio, assignor to The United States of America as represented by the Secretary of War
Application January 3, 1945, Serial No. 571,191
5 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An unbalanced to balanced line transformer, comprising a composite unbalanced cable including first and second flexible parallel cables each having a center and a separate enclosing outer conductor, said cables being compositely enclosed in an outer conductor of approximately one-quarter of a wavelength, one end of said second cable being shorted at one end of said composite conductor to the separate outer conductor of said first cable, and the center conductor of said first cable being shorted to the separate outer conductor of said second cable at the other end of said composite conductor, and third and fourth flexible balanced cables, each having center, inner, and outer conductors of approximately one-quarter of a wavelength, the inner conductors of said third and fourth cables being respectively connected at one end to the separate outer conductors of said first and second cables at the other end of said composite conductor, and the center conductor at said one end of said fourth cable being connected to the center conductor of said second cable at the other end thereof, said cables being arranged to form a coil, said one end of said first cable being adapted to receive an unbalanced input and the other ends of said third and fourth cables being adapted to provide the balanced output therefrom.

2,597,854
AUTOMATIC TRANSMISSION
Sherman S. Cross, Cuyahoga Falls, and Arlie A. Cross, Stow, Ohio
Application January 28, 1950, Serial No. 141,020
17 Claims. (Cl. 74—752)



1. A power transmission comprising a first series of centrifugal weights, means enclosing said first series and adapted to be rotated thereby, a gear connected to said means for rotation therewith, a wheel having a planetary gear meshing with the first-mentioned gear, a second planetary gear, an output shaft, a gear on said output shaft meshing with said second planetary gear, said gears being of a size to constitute a reduction in rotational speed between said first-mentioned means and said output shaft, means to prevent rotation of said wheel in one direction, a second series of centrifugal weights, means enclosing said second series and comprising separately rotatable sections, one of said sections carrying said second series of weights and having a connection with the first mentioned means to be rotated thereby, the other of said sections adapted for rotation by said second series of weights, and the said other of said sections and said wheel being connected so as to rotate in unison.

2,597,855
PLASTICIZED POLYAMIDES AND METHOD OF PREPARATION
John D. Czarnecki, Oak Park, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 28, 1949, Serial No. 129,879
17 Claims. (Cl. 154—43)

7. A homogeneous composition comprising from about 25 to about 35 per cent by weight of a methoxymethyl substituted linear polyhexamethylene adipamide and from about 65 to about 75 per cent by weight of 2,2-di-(4 hydroxypropoxy-phenyl) propane.

12. A plurality of metal layers having the composition of claim 7 between adjacent surfaces of said layers as a bonding material.

2,597,856

STABILIZATION OF PHOTOGRAPHIC EMULSIONS SENSITIZED WITH GOLD COMPOUNDS

Rudolph E. Damschroder, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 24, 1949, Serial No. 117,719
20 Claims. (Cl. 95—7)

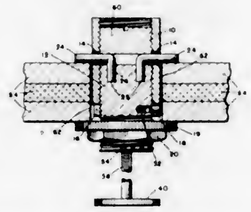
1. A process for stabilizing against loss of speed a photographic silver halide emulsion which has been sensitized by digesting the emulsion in the presence of a gold compound, comprising adding to the gold-compound-sensitized emulsion after the final digestion of the emulsion but prior to coating the emulsion on a support, a water-soluble gold compound which has a solubility in water greater than the equivalent of 1.0 mg. of gold per 100 ml. of water at 25° C.

2,597,857

PLUG FASTENER

John P. Francesco, Haverhill, Mass., now by judicial change of name John Patsy Francis

Application February 2, 1948, Serial No. 5,707
3 Claims. (Cl. 85—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



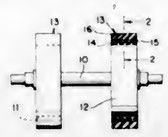
1. A fastening device for holding two or more layers of material firmly together comprising a hollow sleeve internally threaded and having opposed holes passing through the walls thereof, a first externally threaded plug member within said sleeve in threaded engagement with the internal threads of said sleeve, the inner face of said first plug member uncovering said holes in said sleeve, a pair of opposed holes in the inner face of said plug member, the outer end of said first plug member extending beyond the end of said sleeve and including externally threaded portions thereon, right angled arms respectively pivotally supported in said opposed holes of said plug member, said arms dimensioned to be retractable within the outer periphery of said sleeve when said plug is rotated into a first position, and to be extendable through said opposed holes when said plug member is rotated into a second position to engage one of the surfaces to be fastened, a second externally threaded plug member located in said sleeve opposite said first plug member and in threaded engagement with the internal threads of said sleeve, the inner face of said second plug member abutting against the said arms on the side opposite said first plug member when said arms are extending from the holes of said sleeve, a nut in threaded engagement with the threads on the end of said first plug member extending beyond said sleeve and adapted to tightly abut one of the surfaces to be fastened which is opposite said latter surface engaged by said arms whereby the fastening device is securely held in place.

2,597,858

COVERING FOR TEXTILE MACHINERY ROLLERS

Abraham L. Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Company, a corporation of Ohio

Application January 2, 1947, Serial No. 719,789
3 Claims. (Cl. 19—143)



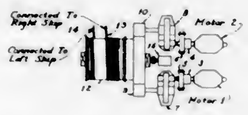
1. A rubber cover for textile rollers having an outer rubber tension layer, an intermediate rubber neutral axis layer, and an inner rubber compression layer, and having at least one layer of cables embedded in said neutral axis layer, said cables being constructed of glass cords each of which is provided with a coating of cushioning and bonding material.

2,597,859

SKIP HOIST MOTOR CONTROL

Gordon Fox, Chicago, Ill., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application September 22, 1945, Serial No. 618,015
10 Claims. (Cl. 171—97)



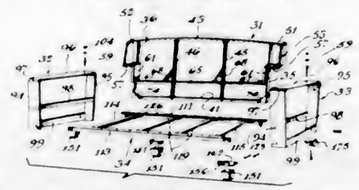
5. In a skip hoist assembly having at least one skip, a skip drive assembly for selectively operating said skip through a prescribed cycle of operation by means of a source of constant voltage electrical supply, or, alternatively by means of a source of adjustable voltage electrical supply, said skip drive assembly comprising in combination; a pair of motors for driving said skip, each having an armature; a source of constant voltage electrical supply; a source of adjustable voltage supply comprising at least one adjustable voltage generator; switch means for connecting said armatures of said motors to said generator or alternatively to said source of constant voltage electrical supply; first control means for varying the speed of said motors, when connected by said switch means to said generator, according to a prescribed cycle of speed operation corresponding to the cycle of operation of said skip; second control means for varying the speed of said motors, when connected by said switch means to said source of constant voltage, according to said prescribed cycle of operation; limit switch means located for cyclic operation by said skip; control transfer switch means for selectively connecting said limit switch means to either of said control means, according to the setting of said switch means, for actuation thereof by said cyclic operation of said limit switch means by said skip to effect said prescribed cycle of speed operation of said motors related to the cyclic operation of said skip.

2,597,860

STEEL AND WOOD FURNITURE FRAME CONSTRUCTION

George L. Gerber, Naperville, Ill., and Harold E. Lee, Beverly Hills, Calif., assignors to Kroehler Mfg. Co., Naperville, Ill., a corporation of Illinois

Application February 4, 1950, Serial No. 142,368
7 Claims. (Cl. 155—184)



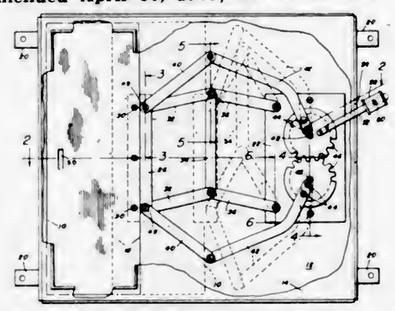
1. An article of parlor furniture comprising, back, seat, and side components in which said back component is constituted of a steel core comprising an integral rectangular planar assembly of which a lower longitudinal element is of plural sided cross section and of which an upper longitudinal element is a flat strip disposed so that its width dimension is substantially perpendicular to the principal plane of said assembly, end strips transverse to said lower and upper longitudinal elements and also disposed with their width dimensions substantially perpendicular to the principal plane of said assembly, said end strips deformed in symmetrical and opposite manner to each other with marginal offset and extending portions apertured for bolting to cooperating portions on said furniture side components and being welded at their extremities to the extremities of said lower and upper longitudinal elements, corner gussets for re-enforcing and providing triangular bracing welded to said end strips and to at least one or the other of said longitudinal elements, and supplement framework superimposed upon said steel core comprising overlay pieces of wood formed and butt-jointed to each other to provide an ornamental profile to the back component outline of said furniture article, to provide nailing area for upholstery covering and to stiffen said upper longitudinal element and end strips in the direction of their respective thickness dimensions.

2,597,861

SUPPORTING AND PROJECTING MECHANISM

Carl H. Gerlach, Solon, Ohio

Application July 12, 1948, Serial No. 38,197
4 Claims. (Cl. 268—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



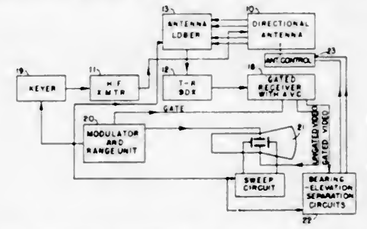
1. In a panel supporting and projecting mechanism, a fixed support, a double parallelogram linkage having one member in common and connected in series between the support and the panel, a pair of toggle joints each having two connected links, the outer end of one link pivoted to the panel and the outer end of the other link pivoted to the support, and interengaging gears connected to the ends of the links pivoted to the support to move the toggle joints in unison in extending and retracting the said linkage for moving the panel.

2,597,862

ELECTRONIC LOBING

John H. Greig, Washington, D. C.

Application May 3, 1945, Serial No. 591,765
3 Claims. (Cl. 343—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a radio pulse echo system, high speed lobing apparatus comprising, a pulse transmitter, a radiating means connected to said transmitter for radiating the transmitter pulses, an echo receiver, a plurality of echo receiving means arranged in close proximity to said radiating means, receiving transmission line means connecting each of said echo receiving means to said receiver, a voltage source having an equal plurality of outputs of unlike phase and successively producing pulses at each of said outputs, said voltage source producing one output pulse for each transmitter pulse, an equal plurality of transmission line stubs each disposed in series connection with one of said receiving lines, and means disposed within each of said stubs respectively connected to a different output of said voltage source to sequentially permit the transmission of echo pulses through said receiving lines.

2,597,863

FINISHING VARNISH FOR APPLICATION OVER LITHOGRAPHIC INK

Paul W. Greubel, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 8, 1948, Serial No. 19,873
18 Claims. (Cl. 260—32.2)

1. A finishing varnish for application over wet lithographic ink, said finishing varnish comprising in combination, an organic solvent soluble alkyd resin as a film forming ingredient, 2 to 13 per cent by weight based on the finished varnish of an oil immiscible-water soluble polar liquid consisting of lactic acid as an ink pigment flocculant, and a volatile organic solvent for said resin, said volatile solvent being miscible with the ink vehicle and containing sufficient coupling agent selected from the group consisting of unsubstituted monohydric alkanols having from 4 to 8 carbon atoms and glycol monoethers in which the glycol portion of the molecule has from 2 to 4 carbon atoms and one free hydroxyl

group and the other hydroxyl group etherified with an aliphatic hydrocarbon chain having 2 to 4 carbon atoms to maintain the ingredients in a single liquid phase.

2,597,864

FINISHING VARNISH FOR APPLICATION OVER LITHOGRAPHIC INK

Paul W. Greubel, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 8, 1948, Serial No. 19,875

22 Claims. (Cl. 260—32.6)

1. A finishing varnish for application over wet lithographic ink, said finishing varnish comprising in combination an alkyd resin as a film forming material, 2 to 15% by weight based on the finished varnish of a pigment flocculating agent consisting of formamide, and a volatile organic solvent for said resin and flocculating agent, said solvent being miscible with the ink vehicle and containing sufficient coupling agent selected from the group consisting of unsubstituted monohydric alkanols having from 4 to 8 carbon atoms and glycol monoethers having from 2 to 4 carbon atoms in the glycol portion of the molecule and having one free hydroxyl group and the other hydroxyl group etherified with an aliphatic hydrocarbon substituent having from 2 to 4 carbon atoms to maintain the ingredients in a single liquid phase.

2,597,865

FINISHING VARNISH FOR APPLICATION OVER LITHOGRAPHIC INK

Paul W. Greubel, Great Neck, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 8, 1948, Serial No. 19,876

22 Claims. (Cl. 260—33.2)

1. A finishing varnish for application over wet lithographic ink, said finishing varnish consisting of an organic solvent soluble resinous condensation product of an amine and an aldehyde as a film forming ingredient, and a volatile organic solvent mixture for said ingredient, said mixture being miscible with the ink vehicle and containing from 1 to 17% by weight based on the finished varnish of ethylene glycol as an ink pigment flocculating agent and sufficient coupling agent selected from the group consisting of unsubstituted monohydric alkanols having from 4 to 8 carbon atoms and glycol monoethers having from 2 to 4 carbon atoms in the glycol portion of the molecule and having one free hydroxyl group and the other hydroxyl group etherified with an aliphatic hydrocarbon substituent having from 2 to 4 carbon atoms to maintain the ingredients in a single liquid phase.

2,597,866

DATA CONVERSION SYSTEM

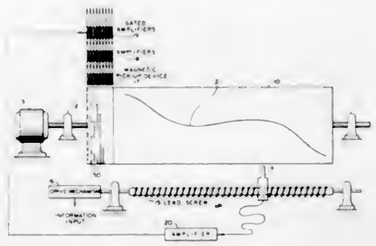
Darrin H. Gridley, Washington, D. C.

Application June 2, 1949, Serial No. 96,803

5 Claims. (Cl. 177—380)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. Apparatus for converting input information from one state to another state having any given relationship to the one state comprising, a rotatable drum having calibration signals for one information coordinate recorded on portions thereof and a calibration curve signal on other portions thereof, first signal pick-up means disposed in proximity to the drum responsive to the portions of the drum carrying the calibration signals, second signal pick-up means disposed in proximity to the drum responsive to the calibration curve portions of the drum, driver means connected to said second signal pick-up means for moving said second signal pick-up means in a path substantially parallel to the axis of rotation of the drum as a second information coordinate in dependency on input information, and gated amplifier means connected to the first and second signal pick-up means operative to deliver signals relative to one information coordinate from the first pick-up means whenever a selected signal is produced by the passage of the recorded calibration curve signals in proximity thereto during rotation of the drum.



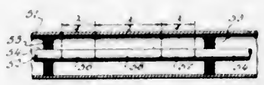
2,597,867

HIGH-FREQUENCY ATTENUATING DEVICE

William W. Hansen, deceased, late of Stanford University, Calif., by Betsy R. Hansen, executrix, Stanford University, Calif., assignor to The Sperry Corporation, a corporation of Delaware

Original application July 25, 1942, Serial No. 452,319. Divided and this application August 17, 1949, Serial No. 110,738

12 Claims. (Cl. 178—44)



1. A high frequency attenuator comprising a pair of terminal concentric transmission line sections having separated coaxial inner conductors, a quarter-wavelength resistive inner conductor section connected to and off-set from each of said coaxial inner conductors, a further resistive half-wavelength inner conductor section joining said first resistive conductors and off-set with respect thereto, said half-wave conductor having a resistance per unit length twice that of each of said quarter-wave conductors, an outer conductor section cooperating with each of said inner conductor sections to form a transmission line section therewith, said outer conductor sections having off-set axes similar to the axes of the corresponding inner conductor sections, and means for rotating said outer conductor sections about the axis of said terminal inner conductors, whereby the attenuation introduced between said terminal sections may be adjusted by varying the eccentricity of said off-set inner conductor sections with respect to their respective outer conductors, substantially without altering the impedance offered by the device.

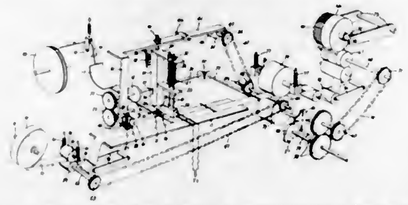
2,597,868

APPARATUS FOR AFFIXING CONDENSER TAP STRAPS TO MOUNTING STRIP MATERIAL

Alfred L. Hogue, Pittsfield, and George E. Hamilton, Dalton, Mass., assignors to General Electric Company, a corporation of New York

Application August 26, 1948, Serial No. 46,206

1 Claim. (Cl. 154—1.6)



In a machine for fixing a conducting tap strap to a strip of mounting material at spaced and equal intervals thereon from a supply strip of conducting material, a platform for supporting said strip of mounting material, a first pair of rotatable cooperating feed rolls for moving said conducting strip therebetween, a knife movable normal to and across the path of movement of said conducting strip and positioned between said feed rolls and said mounting strip, a second pair of rotatable cooperating feed rolls for moving said mounting strip therebetween and across said platform, a tamper movable normal to and engageable with said mounting strip and transversely positioned thereover above and in alignment with the direction of feed of said conducting strip, and adhesive applicator movable normal to and engageable with said mounting strip and positioned transversely thereover at a distance equal to said spaced and equal interval from said conducting strip, and drive means to rotate said first and second pair of feed rolls to feed an end of said conducting strip toward and transversely over said mounting strip and said platform and to move said mounting strip longitudinally across said platform a distance equal to said spaced and equal interval said drive means including a Geneva mechanism to simultaneously stop the rotation of said first and second pair of feed rolls for a momentary period of time, said drive means operable during said momentary period to actuate said tamper to press against said mounting strip the portion of said conducting strip transversely moved thereover, to actuate said applicator to apply a narrow strip of adhesive material transversely on said mounting strip and thereafter to actuate said knife to transversely sever a portion from said conducting strip fed over said mounting strip.

2,597,869

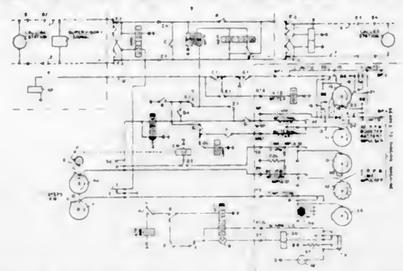
IMPULSE REPEATER FOR METERED AUTOMATIC TELEPHONE SERVICE

Henry L. Horwitz, Jamaica, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 30, 1946, Serial No. 713,352

24 Claims. (Cl. 179—7)

7. In an automatic telephone exchange system a repeater having an incoming trunk connection and an outgoing trunk connection, a line relay connected with the incoming trunk and having a contact controlling the outgoing trunk, a meter control relay having a shunt field winding bridged across the outgoing trunk and a polarizing winding controlled by said line relay and means operable upon the completion of a connection between said incoming and outgoing trunks for actuating said meter control relay.



2,597,870

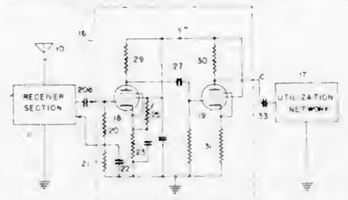
NOISE ELIMINATION SYSTEM FOR PULSE SIGNAL RECEIVERS

Garold K. Jensen, United States Navy, Carl M. Russell, Washington, D. C., and Vigo N. Smith, Oakland, Calif.

Application August 8, 1945, Serial No. 609,691

1 Claim. (Cl. 250—20)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a pulse receiving system, a receiver having a number of amplifier stages and a detector stage, a noise reducing circuit comprising, a first amplifier means connected to the output of the detector stage biased to be driven to the extreme of grid conduction by input received signals of usable amplitude, a second amplifier means connected to the output of said first amplifier means biased to be driven into the anode current cutoff region by signals applied thereto, bias developing means for the first amplifier means responsive to grid conduction thereby to develop signal varying bias therefor, and a signal conduction path from said bias developing means to the amplifier stages of the receiver operative to vary the amplification thereof inversely in dependency on the amplitude of received signals.

2,597,871

WAX EMULSION POLISHING COMPOSITION CONTAINING SILICA

Ralph K. Iler, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 20, 1947, Serial No. 775,375

8 Claims. (Cl. 106—10)

1. A wax emulsion polishing composition comprising an aqueous wax emulsion and silica, the silica being in the form of dispersed particles having a particle size of 1 to 100 millimicrons and in an amount sufficient to impart skid resistance to a dried film of the composition.

2,597,872

AQUEOUS DISPERSIONS OF WATER-INSOLUBLE ORGANIC POLYMERS CONTAINING COLLOIDAL SILICA

Ralph K. Iler, Cleveland Heights, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 3, 1950, Serial No. 172,021
11 Claims. (Cl. 260—29.6)

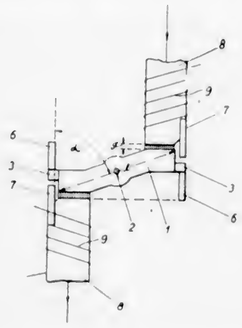
1. A composition comprising an aqueous dispersion of a dispersed water-insoluble organic polymer and, per hundred parts by weight of polymer, at least two parts by weight of an alkali-stabilized colloidal silica of ultimate particle size less than 0.03 micron, the alkali being substantially all outside of the silica particles whereby condensation between the silica particles is retarded.

2,597,873

ELECTROMAGNETIC SWITCHING DEVICE FOR CONTROLLING ELECTRIC CIRCUITS

Fritz Kesselring, Zollikon-Zurich, Switzerland, assignor to FKG Fritz Kesselring Geratebau Aktiengesellschaft, a Swiss company

Application February 24, 1947, Serial No. 730,330
In Switzerland February 23, 1946
7 Claims. (Cl. 200—87)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. An electromagnetic switching device for switching periods below 3×10^{-4} sec., comprising an electromagnet structure having two electrically conductive poles with respective pole faces mutually spaced and electrically insulated from each other to form stationary switch contact surfaces, a rigid and electrically conductive armature rotatable between two positions and biased toward one of them, said armature having substantially coincident gravity and pivot axes and being pivoted between said pole faces and provided with contact faces opposite said respective pole faces so as to form respective air gaps when said armature is in said one position, said armature having a magnetically effective cross-sectional area approximately equal to that of each armature contact face and having a magnetically effective length l correlated to the length g of each air gap and to the mean magnetic induction B of said gap so that the value

$$\frac{\sqrt{l\times g}}{B}$$

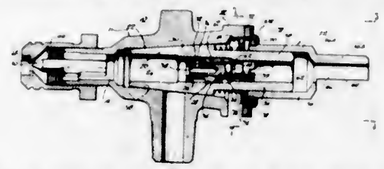
is below 1.5×10^{-5} cm./gauss.

2,597,874

LOCKING STEM ADJUSTMENT VALVE

Henry J. Koch and Charles C. Lamar, Chicago, Ill., assignors to Harper-Wyman Company, Chicago, Ill., a corporation of Illinois

Application August 30, 1947, Serial No. 771,484
4 Claims. (Cl. 277—19)



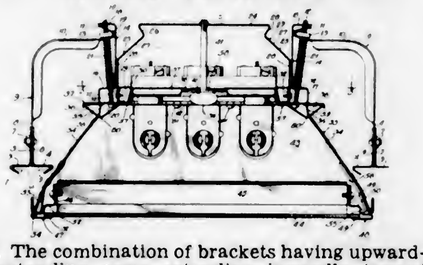
4. A locking mechanism for a gas valve including a valve body and a valve element rotating stem portion having an axially extending slot, a second stem portion surrounding the first portion and axially movable relative to it, an element driving washer fixedly secured to said second stem portion having a driving projection extending radially inwardly into said slot, an axially movable locking washer loosely surrounding said first stem portion having a drive constituting portion extending into said slot and a locking projection, structure on the valve body defining a recess adapted to receive said locking projection, and spring means encircling said first stem portion and acting on said locking washer for yieldably holding said locking projection in said recess.

2,597,875

TROFFER FOR FLUORESCENT LIGHTING FIXTURES READILY ATTACHED TO THE FRAMEWORK OF A CEILING

Michael Henry Kruger, Malden, Mass., assignor to A. L. Smith Iron Company, Chelsea, Mass., a corporation of Massachusetts

Application June 11, 1948, Serial No. 32,334
10 Claims. (Cl. 240—51.11)



1. The combination of brackets having upwardly extending arms extending inwardly toward one another, the inner ends of said arms being free, auxiliary brackets having outwardly extending bent portions at their upper ends extending over the inner free ends of said arms, said auxiliary brackets having inwardly extending supporting bent portions at their lower ends, a troffer housing mounted on said supporting bent portions, and means connecting the outwardly extending bent portions to the free ends of said arms to enable movement of said auxiliary brackets relative to said arms.

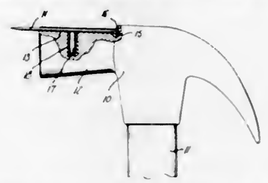
2,597,876

MAGNETIC NAIL-HOLDING HAMMER

Yervant H. Kurkjian, Clifton, N. J.

Application November 17, 1949, Serial No. 127,886
3 Claims. (Cl. 145—30)

1. An article of manufacture comprising a hammer head having a conventional shank, said shank having a longitudinally extending nail receiving channel, a nail head abutment wall at one end of said channel, a magnetism localizing element fitted in said shank and having one end thereof communicating with said channel intermediate the ends of said channel for releasably retaining a nail in said channel, and said magnetism localizing element retaining the magnetic flux localized in close proximity to the element in a manner whereby metal objects such as nails, screws, and the like, will not be picked up by the hammer upon contact and whereby a nail may only be releasably held by the hammer when the nail is placed within the channel.

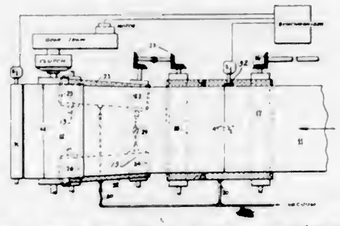


2,597,877

WEB HANDLING DEVICE

Willis E. Le Clair, Peekskill, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application September 4, 1946, Serial No. 694,719
2 Claims. (Cl. 271—2.1)



1. In a web handling device, perviously surfaced endless belts supporting opposite side sections of the moving web, said belts being arranged to diverge outwardly at a small angle from the forward course of travel of the web, a perviously surfaced endless guide blanket in support of the entire width of the web placed ahead of said endless belts, means for maintaining a vacuum underneath the web-engaging parts of said guide blanket and said endless belts, means for advancing said web, and means for advancing said guide blanket and said endless belts independently of the moving web and at a speed substantially equal to the rate of travel of said web.

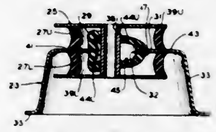
2,597,878

MOUNTING

Norman E. Lee, Forest Hills, N. Y.

Application June 7, 1945, Serial No. 598,196
3 Claims. (Cl. 248—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A mounting comprising a substantially flat base plate; a central opening through said plate; a load spool including a central core substantially normal to said plate and extending through said opening, and two load plates secured to said core and substantially parallel to said base plate; two spring members, one disposed between the base plate and one load plate, and the other disposed between the base plate and the other load plate, each of said spring members being of springy flexible material and bowed inwardly at its central portion so as to immediately flex upon longitudinal shortening thereof; a spring collar of springy flexible material encircling said core and



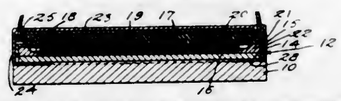
shaped substantially like a vehicular tire, including walls bowed outwardly so as to immediately flex upon lateral shortening of a sector thereof; said spring collar being positioned so that its outer periphery is substantially contiguous with the inner periphery of the base plate aforesaid.

2,597,879

LAMINATED CUSHIONING SOLE FOR SHOES

Arnold Levin, Brooklyn, N. Y.

Application February 9, 1951, Serial No. 210,228
1 Claim. (Cl. 36—28)



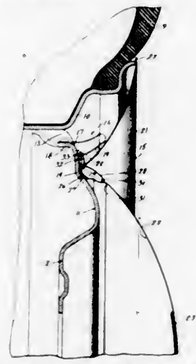
A laminated cushioned midsole assembly comprising a bottom ply, a marginal upstanding rib secured to the upper side of said bottom ply, said marginal rib being beveled on the inner edge, cushioning means disposed within the area defined by said rib and engaging only the lower part of the upper side of the bevel edge of said rib, a second cushioning ply overlies the first cushioning means and engages the top of the rib, a fabric member secured to the upper side of said second cushioning ply, the marginal edges of said fabric cover member extending downwardly over the outer edge of said rib and secured thereto.

2,597,880

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.

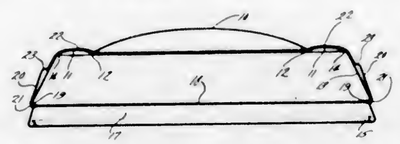
Application December 22, 1945, Serial No. 636,873
10 Claims. (Cl. 301—37)



1. In a cover structure for a wheel, including a tire rim and a body part having circumferen-

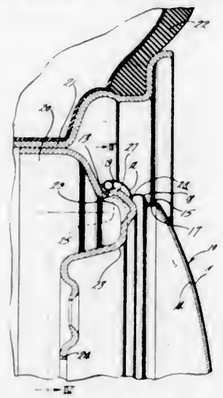
tially s[illegible]ced spring clips projecting therefrom, a wheel cover assembly including a central circular cover member for disposition on the body part and having an annular recess therein, an outer annular cover ring for disposition opposite the tire rim and having a turned inner margin nested and retained in said recess, the outer periphery of said central member projecting radially beyond said recess and behind said ring for snap-on retaining engagement by said clips, and a retaining annular bead snapped into said recess for clamping the inner margin of the cover ring to the central member.

2,597,881
WHEEL COVER STRUCTURE
George Albert Lyon, Detroit, Mich.
Application September 30, 1947, Serial No. 776,972
7 Claims. (Cl. 301—37)



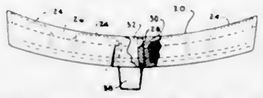
1. A generally dished cover for use on a vehicle wheel or the like, the cover having a central crown portion bounded by a reinforcing rib merging with a generally axially directed marginal annular flange formed at its extremity with a reinforcing and cover retaining turned bead and having an intermediate annular reinforcing rib formation, the cover marginal flange being reinforced by a bead member which retainingly engages the intermediate rib of the flange.

2,597,882
HUBCAP
George Albert Lyon, Detroit, Mich.
Application September 30, 1947, Serial No. 776,974
6 Claims. (Cl. 301—108)



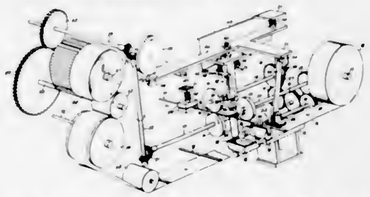
1. A wheel cover formed from thin sheet metal and having a generally uniformly convex crown and a marginal flange extending in a generally axial direction from the edge of the crown and formed at its extremity with a reinforcing bead adapted to engage in snap-on pry-off relationship with retaining bumps on a wheel structure, said margin between the bead and the edge of the crown including a plurality of rib-like undulations supplementing the bead and affording a high degree of resiliency for the margin, and a concave reinforcing plate disposed in reinforcing relation to the inner face of the crown, the edge of such plate being secured by the undulation of said margin proximate to the crown edge.

2,597,883
WHEEL TRUING BRAKE SHOE
Frederick W. MacDonald and Anthony Lavrino, Detroit, Mich., assignors to Wheel Truing Brake Shoe Company, Detroit, Mich., a corporation of Michigan
Application October 31, 1949, Serial No. 124,647
2 Claims. (Cl. 51—204)



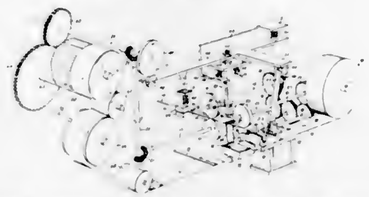
1. A wheel truing brake shoe adapted for use in truing a conventional railway car wheel having a circumferential tread portion and a flange extending radially outwardly therefrom, said brake shoe comprising an arcuate shaped backing member having side and end flanges projecting inwardly from the concave surface thereof, a cutting toolholder in said backing member adjacent one of said side flanges and projecting inwardly from said concave surface, a cutting tool mounted in said tool holder and having a U-shaped cutting edge adapted for cutting the flange of said car wheel, and a coarse abrasive material mounted on the concave surface of said backing member between said side and end flanges and adapted for grinding the tread of said car wheel, said coarse abrasive material projecting inwardly further than said cutting tool so that the grinding and cutting operations can be carried out simultaneously on the tread and flange of said wheel.

2,597,884
APPARATUS FOR AFFIXING CONDENSER TAP STRAPS TO MOUNTING STRIP MATERIAL
Charles E. Marks, Lee, Mass., assignor to General Electric Company, a corporation of New York
Application September 1, 1948, Serial No. 47,246
7 Claims. (Cl. 154—1.6)



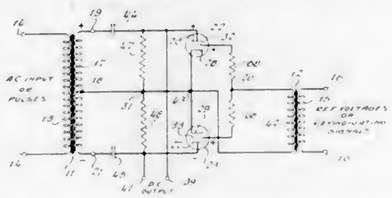
1. In a machine for transversely affixing a narrow strip of material to a continuously moving supply strip of relatively wider mounting material at spaced and equal intervals thereon from a supply strip of narrow material, one of said strips having adhesive material applied to a surface thereof, a platform for supporting said moving strip of mounting material, drive means to continuously move said mounting strip longitudinally across said platform, means having connections to said drive means for feeding an end of said narrow supply strip toward and transversely over said wider mounting strip and said platform including means to momentarily stop said feed, severing means positioned intermediate said narrow strip feeding means and said platform and having connections to said drive means, said severing means being operable during the momentary period said feed is stopped to transversely sever said narrow strip at a predetermined distance exterior of a longitudinal edge of said mounting strip and means having connections to said drive means including a pivoted tamper movable jointly with and operable while said mounting strip is in motion to press and thereby adhesively affix said severed portion thereto.

2,597,885
METHOD OF AFFIXING CONDENSER TAP STRAPS TO MOUNTING STRIP MATERIAL
Charles E. Marks, Lee, Mass., assignor to General Electric Company, a corporation of New York
Original application September 1, 1948, Serial No. 47,246. Divided and this application September 17, 1949, Serial No. 116,316
2 Claims. (Cl. 154—118)



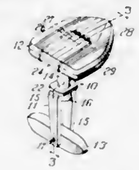
1. The method of affixing a narrow strip of material transversely to a continuously moving supply strip of relatively wider mounting material at spaced and equal intervals thereon which comprises the steps of feeding the end of a supply strip of narrow material toward and transversely over said wider mounting material, simultaneously applying to only the surface of said narrow strip fed over and adjacent to said mounting strip a relatively narrow strip of adhesive material centered on the longitudinal axis of said narrow strip and having a width less than the width thereof, stopping the feed of said narrow strip of material, then severing said narrow strip so that a portion adjacent the severed end thereof will extend beyond a longitudinal edge of said mounting strip and pressing said surface of said narrow strip having adhesive applied thereto against the adjacent surface of said continuously moving wider strip of mounting material.

2,597,886
DEMODULATING CIRCUITS
Rawley D. McCoy, Bronxville, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application November 2, 1945, Serial No. 626,375
3 Claims. (Cl. 250—27)



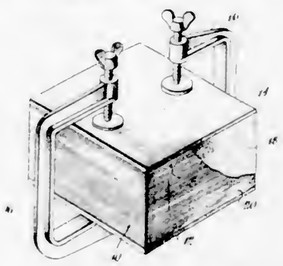
1. A phase-sensitive demodulator including a source of reversible phase alternating signal voltage and a source of like frequency but fixed phase reference voltage, a pair of electron tubes having space-discharge paths including plate and control elements therefor, said space-discharge paths being connected in push-pull arrangement and in circuit with said signal voltage source to receive voltages therefrom in phase opposition, means for connecting said control elements to said reference voltage source to receive voltages therefrom in like phase relation to control the conductivity of said tubes, and a pair of output terminals respectively connected in circuit with said plate elements.

2,597,887
REVERSIBLE FRONT CUFF LINK
William H. Meeker, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application August 23, 1949, Serial No. 111,917
5 Claims. (Cl. 24—102)



4. A cuff link comprising a shank, a cuff engaging means at one end of the shank, a head at the opposite end of the shank, a reversible front member pivotally mounted to swing on said head and having differing ornamental characteristics on its inner and outer surfaces and also having a recess embracing said head when the front member is in either of its reversed positions, a spring arm carried by the front member and extending along one side of the recess, said spring arm having a portion movable relatively to the side walls of the recess to engage the adjacent side of the head to releasably hold the front member on the head in either of its reversed positions.

2,597,888
PROCESS OF TREATING TEXTILE FABRICS TO PREVENT UNRAVELING AT CUT EDGES THEREOF
Thomas H. Miller, Wilmington, Del., assignor to Kaumagraph Company, a corporation of Delaware
Application July 8, 1946, Serial No. 681,914
13 Claims. (Cl. 117—44)



1. The process of treating textile fabrics to prevent unraveling at the cut edges thereof which comprises providing an assembly of pieces of a cut fabric having the pieces associated in

superposed relation with their cut edges in alignment, then compressing the assembly from both sides along the lines of the cut edges, and, while maintaining the state of compression, applying a fiber bonding treating agent in liquid form to the cut edges only of the assembled layers of the fabric and thereby promoting a bonding action between the cut fibers at the edge and the adjacent uncut threads of the fabric, and thereafter releasing the compression on the fabric and permitting the treated edges to dry.

2,597,889

DRYING A SILICA-ZIRCONIA HYDROGEL CONTAINING AN ALKALI SALT

Thomas Henry Milliken, Jr., Moylan, Pa., and Irving H. Welinsky, Claymont, Del., assignors to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 1, 1945, Serial No. 614,094
7 Claims. (Cl. 252—454)

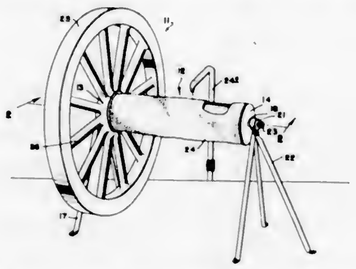
1. The method of producing agglomerated silica-zirconia gel pieces, which comprises drying a hydrogel containing silica and zirconia, having a pH less than 7, which hydrogel contains alkali salt in excess of that producible by the reaction forming the hydrogel, purifying the obtained dried gel of alkali metal cations, preparing a paste of the dried gel, forming the paste into agglomerated pieces, and drying and calcining the formed pieces.

2,597,890

ROTARY POWER UNIT OPERABLE ON ATMOSPHERIC ENERGY

Ivan Monk, United States Navy, Washington, D. C.

Application December 20, 1949, Serial No. 134,061
12 Claims. (Cl. 60—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



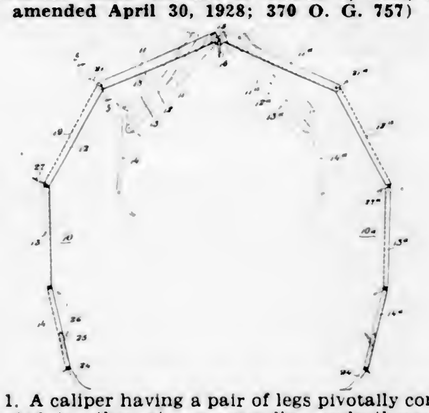
4. A self-contained rotary power unit comprising an evacuated hollow member having a warm portion and a cool portion associated therewith, supports at each end of said member to permit rotation, said warm portion being substantially wheel-shaped and having a plurality of hollow spokes, a heat sensitive medium in said hollow member adapted to vaporize when in proximity with said warm portion and condense when in proximity with said cool portion, said condensate arranged to flow to said wheel shaped warm portion, means for successively connecting each hollow spoke with said cool portion, said vapor acting to force condensate into a hollow-spoke when it is connected with said cool portion, whereby the unsymmetrical distribution of the condensate within the hollow member causes it to rotate.

2,597,891

NESTABLE LEG CALIPER

Victor C. Muller, United States Navy, assignor to the United States of America as represented by the Secretary of the Navy

Application June 11, 1946, Serial No. 676,047
3 Claims. (Cl. 33—152)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



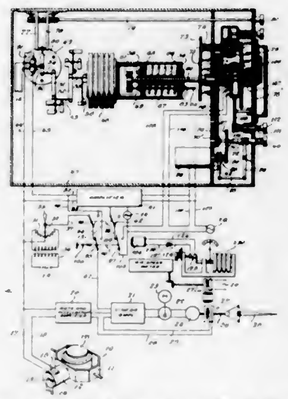
1. A caliper having a pair of legs pivotally connected together at corresponding ends thereof, each leg comprising at least three nestable sections each having a pair of flanges in planes normal to the axis of said pivotal connection and at least one web connecting said flanges, means for pivotally connecting adjacent sections together at their ends when in extended position, and finger means pivoted to the end of each outermost section and foldable between the flanges thereof, said sections each having a single web connecting the flanges on alternate sides of adjacent sections when the leg is in extended position, and the web width reduced in successive sections moving toward the outer ends of the legs, whereby the sections will all fold together into close nesting position one within the other with the webs all on the same sides.

2,597,892

ALTITUDE CONTROLLING AUTOPILOT FOR AIRCRAFT

John Nash, Brentford, England, assignor to The Sperry Corporation, a corporation of Delaware

Application January 9, 1947, Serial No. 721,111
10 Claims. (Cl. 244—77)



1. In an autopilot for aircraft of the pressure

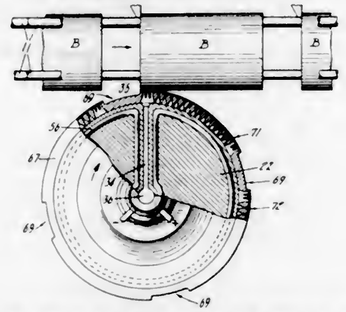
cabin type, an altitude controller including a manually settable knob for determining the flight level of the craft, and means responsive to loss of pressure in the pressure cabin for moving said knob to cause the craft to descend, and means for stopping the motion of said knob when the craft reaches a predetermined lower flight level.

2,597,893

APPARATUS FOR APPLYING A COATING BAND TO MOVING ARTICLES

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 30, 1947, Serial No. 794,695
6 Claims. (Cl. 113—62)



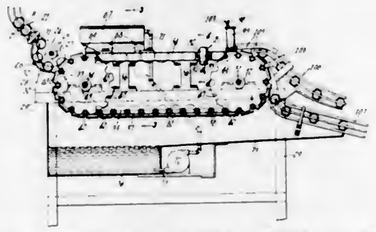
5. In an apparatus for soldering seams of can bodies or other articles, the combination of means for supporting a column of molten solder, means for feeding said solder toward a terminal end of said column under a suitably controlled substantially constant pressure, dividing means movable relative to said column-supporting means for dividing solder at the terminal end of said column into a plurality of measured globules of solder and for carrying said globules in spaced order on a surface of said dividing means, and means for moving said dividing means relative to the terminal end of said column of solder and toward the seam of an article to be soldered to carry said globules on said surface of the dividing means into contact with said seam for directly depositing said globules in spaced order onto said seam for bonding the parts of the seam together.

2,597,894

CONTAINER WEIGHING MACHINE WITH BUOYANT LIQUID WEIGHING MEDIUM

Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application December 30, 1949, Serial No. 135,931
8 Claims. (Cl. 209—121)



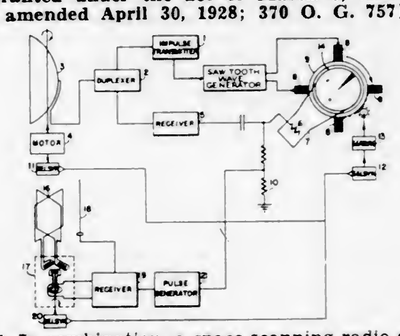
1. In a machine for weighing filled and sealed containers to differentiate underfilled from properly filled containers, the combination of a conveyor including a pair of spaced chains having links, rollers carried by said links on the outside of said chains, buckets extending between and mounted on said chains, each bucket having a receptacle for holding a container, said bucket having a filling channel communicating with said receptacle, a horizontal track for said conveyor rollers for holding said buckets in a horizonal position, and means for filling each horizontal bucket through said filling channel with a liquid weighing medium for surrounding the container in said bucket receptacle, said liquid medium buoying up lightweight containers so that they project above the weighing medium to indicate their underfilled condition.

2,597,895

REMOTE LOCATION AND IDENTIFICATION SYSTEM

Joseph F. Novy, United States Navy

Application September 23, 1944, Serial No. 555,567
8 Claims. (Cl. 343—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



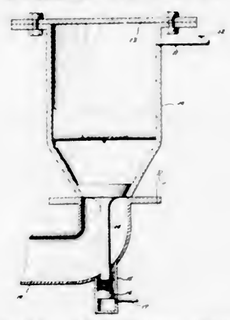
1. In combination, a space scanning radio echo obstacle locating system, a space scanning directional radio receiving system, indicating means responsive to the radio echo system operative to indicate the range and direction of obstacles, and means responsive to the directional receiving system operative to characterize the obstacle indication pattern to indicate the direction of an obstacle emitting a radio signal.

2,597,896

CASTING CORE REMOVAL

Thomas H. Oster, Romulus, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Michigan

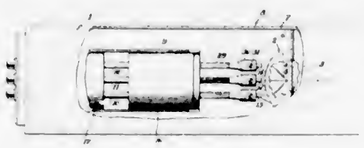
Application March 17, 1949, Serial No. 81,990
5 Claims. (Cl. 134—17)



4. The method of removing cores from castings comprising enclosing the castings contain-

ing the cores in a substantially steam tight vessel, introducing steam into said vessel until the pressure within the vessel and upon the castings reaches a predetermined superatmospheric value at least sufficient to cause disintegration of the cores upon being decreased suddenly to substantially atmospheric value, causing this superatmospheric pressure within the vessel to collapse suddenly and permitting the core material to escape from the vessel with said steam while retaining the castings within the container.

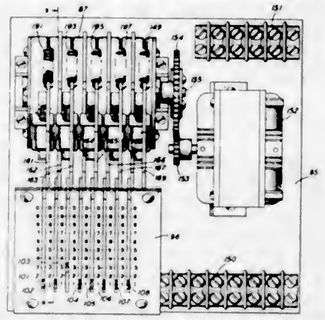
2,597,897
CAPACITIVE COUPLING ASSEMBLY
Evert M. Ostlund, Montclair, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 23, 1945, Serial No. 595,300
9 Claims. (Cl. 315—39)



9. In a coaxial line device including an electron discharge device having an anode, cathode and grid, a coaxial line including an outer conductor coupled to the grid, and a hollow inner conductor the combination comprising, a plurality of linear conductors connected to the cathode terminals and extending within said hollow inner conductor, and means for capacitively coupling said linear conductors to said hollow conductor adjacent the cathode comprising an insulator within said hollow inner conductor having a longitudinally-extending tapered portion, conductive segments mounted around and abutting said tapered portion and extending radially of the central axis of the hollow conductor toward the inner surface thereof, each of said segments being connected to one of said linear conductors and having an opening therein through which said linear conductors extend, a dielectric member between said segments and the inner surface of said hollow conductor, and wedging means for moving the insulator to advance thicker parts of the tapered portion thereof between said segments to spread the segments and press the dielectric against said inner surface, thereby fixing the assembly within said hollow conductor.

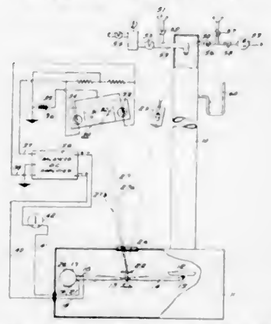
2,597,898
AUTOMATIC IMPULSE SENDER
David B. Parkinson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1948, Serial No. 35,930
16 Claims. (Cl. 179—90)

1. In a telephone system, calling apparatus comprising means for generating two pulses for each symbol representing a called station comprising an electric motor, a shaft driven by said motor, a plurality of impulse coils located adjacent to the shaft, means for varying the positions of a plurality of said impulse coils around said shaft in accordance with the symbols designating the called station, and means supported



on said shaft for inducing a voltage in said coils for each revolution of said shaft.

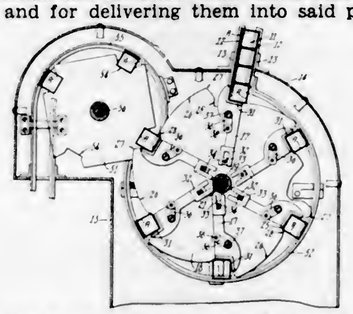
2,597,899
SEDIMENTATION TOWER
Robert E. Payne, Bywood, Upper Darby, Pa., assignor to The Sharples Corporation, a corporation of Delaware
Application August 15, 1947, Serial No. 768,907
9 Claims. (Cl. 73—432)



1. Apparatus for indicating the particle size distribution of powder samples comprising, an enclosure including a sedimentation tower of known height adapted to contain a gaseous medium, means for forming a cloud of dispersed and deaggregated particles of the powder sample at the top of said gas-containing tower, a lever arm pivotally supported within the bottom portion of said enclosure, collecting means supported on one end of said lever arm in a position to receive the particles settling through said tower, a servo system for generating a force to maintain equilibrium of said lever arm as the weight of particles on said collecting means increases, and means to indicate the value of said force with respect to settling time of the particles.

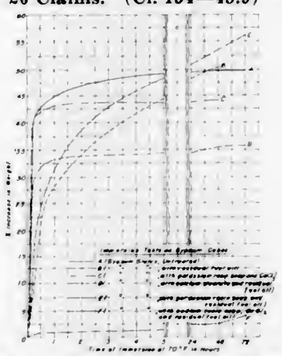
2,597,900
MECHANISM FOR GENTLY ENGAGING AND FEEDING FRAGILE ARTICLES
Horace J. Paynter, Union, and Fritz Derrer, West Orange, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 8, 1948, Serial No. 64,182
11 Claims. (Cl. 214—8.5)

6. In a mechanism for feeding fragile articles from a stack, the combination of a magazine for holding the stack of articles, an article advancing turret having a plurality of article receiving pockets spaced around its periphery, said turret being rotatable at a constant speed adjacent said magazine, a plurality of feeding fingers freely mounted on and movable with said turret and located one adjacent each pocket, said feeding fingers having a feed jaw normally disposed adjacent said turret pockets and movable relative thereto for engaging and removing articles in succession and in timed order from said magazine and for delivering them into said pockets,



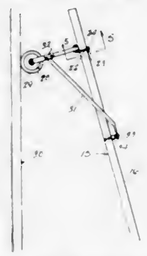
and jaw actuating means operable against said feed fingers and thrusting said feed jaws in advance of said turret pockets and returning said feed jaws toward said pockets in an initial rapid decelerating action immediately followed by a gradual decelerating action for effecting initial engagement of the article to be removed by a said feed jaw slowly and gently to protect said article against damage and for thereafter accelerating the movement of said engaged article to the speed of said turret for removing the article from the magazine and for delivering it gently into said turret pocket for further advancement.

2,597,901
WATER REPELLENT GYPSUM PRODUCT AND PROCESS OF MAKING SAME
Wallace C. Riddell, Berkeley, and George B. Kirk, Redwood City, Calif., assignors to Henry J. Kaiser Company, a corporation of Nevada
Application August 31, 1950, Serial No. 182,526
20 Claims. (Cl. 154—45.9)



16. Water-repellent gypsum wallboard comprising a gypsum core disposed within fibrous liners wherein said core comprises a set mass of gypsum crystals protectively coated with uniformly dispersed precipitated calcium rosin soap and residual fuel oil, said rosin soap being present in an amount of from 1.0% to 2.0% by weight and said oil being present in an amount of from 5% to 10% by weight calculated on the dry basis.

2,597,902
LADDER REST
Stanley J. Roketa, Minneapolis, Minn.
Application September 9, 1949, Serial No. 114,884
4 Claims. (Cl. 228—60)



1. A ladder rest for attachment to a ladder including spaced upstanding stiles and a plurality of spaced rungs arranged transversely of and between said stiles and secured to the latter, comprising a bar adapted to be arranged transversely of and abutting said stiles intermediate the ends, means embracing said bar and attached to said stiles for supporting said bar in position on said stiles, a first arm arranged transversely of and adjacent to one end of said bar and having one end extending into and adjustably secured to said bar, a second arm arranged transversely of and adjacent to the other end of said bar and having one end extending into and adjustably secured to said bar, a wheel mounted on the other end of each of said arms and adapted to rollably contact a supporting surface, and a brace extending between each of said arms and the adjacent stile and having one end fixedly secured to the adjacent arm and having the other end operatively connected to the portion of the stile adjacent thereto.

2,597,903
PRINTING INKS
Alfred F. Schmutzler, Teaneck, N. J.
No Drawing. Application September 30, 1949, Serial No. 119,023
10 Claims. (Cl. 106—30)

4. A printing ink with high humidity tolerance capable of being set by steam, comprising coloring matter dispersed in a vehicle comprising a major portion by weight of a polyhydric alcohol having from 2 to 3 hydroxy groups and from 2 to 6 carbon atoms, and a binder dissolved in said vehicle, said binder being a reaction product produced by heating substantial portions of shellac and a solid polybasic carboxylic acid having more than 3 carbon atoms and containing only C, H, and O at from about 100° C. to 150° C.

2,597,904
STRUCTURE FOR SUPPORTING FOLDED GARMENTS WITHIN A TRANSPORTATION CONTAINER
Peter H. Simonsen, Avon, N. J.
Application November 1, 1950, Serial No. 193,426
14 Claims. (Cl. 206—7)



1. A support for packing folded garments within a transportation container comprising a hanger member and a cooperative folder member, the

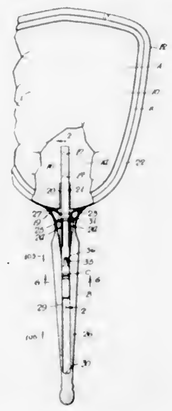
hanger member comprising a body of substantially rigid sheet material peripherally shaped to provide shoulder portions at its upper end by which a garment mounted thereon is suspended, garment sleeve fold guiding and supporting devices carried by said hanger member adjacent the shoulder portions thereof, the folder member also comprising a body of substantially rigid sheet material, said folder member being adapted to overlie portions of a garment mounted on the hanger member, said folder member having a transverse bottom edge portion about which lower portions of said garment can be folded to overlie said folder member, and said hanger member and folder member having cooperative means for detachably connecting the same together in operative assembled relation.

2,597,905

HANDLE CONSTRUCTION FOR MIRRORS AND TOILET SET ARTICLES

William Steinen, Newark, N. J.

Application August 12, 1946, Serial No. 690,052
1 Claim. (Cl. 88—102)



A push-in handle construction for hand mirrors, hand brushes, nail files and other toilet set implements, comprising a hollow handle and a handle insert jammed therein having two strips of metal, one flat strip and one bowed strip, said bowed strip integrally bent backwardly from said flat strip first outwardly and then inwardly to abut said flat strip, compressed toward the flat strip when jammed in said handle, said flat strip having a recess and one end of said bowed strip extending through said recess and contacting the interior surface of the hollow handle.

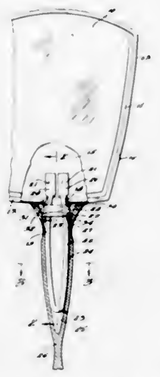
2,597,906

TOILET SET HANDLE FOR MIRROR AND BACK CONSTRUCTION

William Steinen, Newark, N. J.

Application July 15, 1948, Serial No. 38,853
1 Claim. (Cl. 88—102)

A toilet set handle construction for a mirror having a metal back or the like comprising an elongated handle member having an elongated recess with curved downwardly converging interior sides and an outward flare at the open inlet end thereof and an elongated U-shaped insert to be forced in said recess composed of a U-shaped round wire member with the legs bowed outwardly and coming closely together adjacent the mirror and adjacent the bottom of the recess,



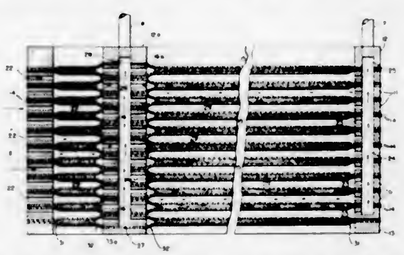
the outwardly bowed portions of the legs at their points of maximum separation being serrated.

2,597,907

APPARATUS FOR THE SEPARATION OF GASES BY FRACTIONAL PERMEATION THROUGH MEMBRANES

Waldo A. Steiner and Sol W. Weller, Pittsburgh, Pa.

Application March 31, 1950, Serial No. 153,264
10 Claims. (Cl. 183—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for the separation of gases by fractional permeation of gaseous mixtures through non-porous membranes comprising a series of adjacent chambers disposed in side-by-side relationship, said chambers being defined conjointly by a plurality of thin, non-porous membranes disposed in side-by-side parallel planes and by a plurality of frames sealing the peripheral portions of said chambers, said thin, non-porous membranes having a selective permeability with respect to at least one of the gases to be separated, alternate chambers of said series being inlet chambers for receiving the gas mixture to be separated, and the intervening chambers being outlet chambers for receiving the gas permeating through said membranes, means for supplying the gas mixture to be separated under a predetermined pressure to said inlet chambers, means for withdrawing a portion of said gas mixture from said inlet chambers, said inlet chambers being maintained at a substantially higher pressure than said outlet chambers, whereby the membranes defining the walls of said outlet chambers tend to be urged toward, and into contact with one another, means for supporting and separating the membrane walls of said outlet chambers comprising a porous sheet disposed between said membrane walls and making face-to-face contact therewith, said porous sheet being so constructed as to permit the percolation of gases into and within itself in substantially all directions, and means for withdrawing from said outlet chambers gases permeating through said membranes from said inlet chambers.

2,597,908

PRODUCTION OF LUBRICATING OIL

Harold R. Stewart, Point Reyes Station, and Wallace M. Thaw, San Pablo, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 28, 1950, Serial No. 146,910
3 Claims. (Cl. 196—78)

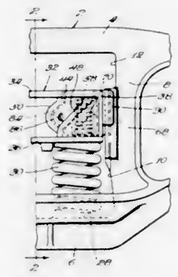
1. A process for producing lubricating oil from petroleum wax which comprises the steps of chlorinating the wax to such a degree that the whole reaction product of the chlorination step has a chlorine content in excess of 20% by weight and catalytically dehydrochlorinating said reaction product by contacting it with at least 5% by weight of a silica-alumina catalyst at a temperature in the range about 600° to 725° F. for a time sufficient to substantially completely remove the chlorine from the chlorinated wax and to produce a relatively saturated oil.

2,597,909

SNUBBED TRUCK

Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application September 27, 1947, Serial No. 776,603
11 Claims. (Cl. 105—197)



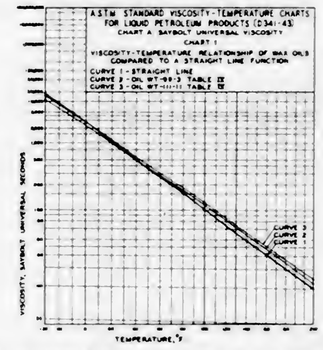
1. A railway car truck comprising a side frame member with a column, a bolster member spring-supported adjacent said column, said bolster member comprising top and bottom walls and spaced walls defining therewith a box section, a pocket in the bolster comprising a wedge surface sloping toward said column, a friction shoe actuator in said pocket in wedge engagement with said surface, said actuator comprising a spring seat disposed a substantial distance above the level of said top wall, spring means seated against the bottom wall and against said seat for urging said actuator along said surface toward said column, and friction shoe means carried by the actuator in engagement with the friction surface on said column, the kinetic coefficient of friction between said surfaces and said shoe means being at least as great as the static coefficient.

2,597,910

PRODUCTION OF LUBRICATING OIL FROM WAX

Wallace M. Thaw, San Pablo, and Harold R. Stewart, Point Reyes Station, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application February 28, 1950, Serial No. 146,909
4 Claims. (Cl. 196—78)



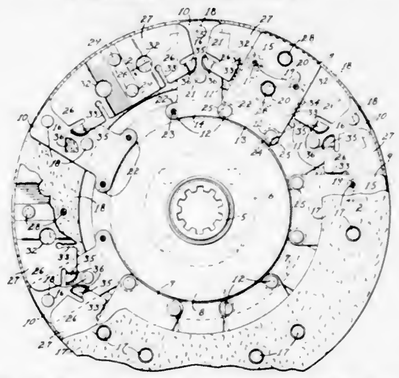
1. A process for producing lubricating oil from petroleum wax which comprises chlorinating petroleum wax at a temperature below 300° F. to a degree such that the reaction product has a chlorine content less than 16% by weight, mixing the resultant chlorinated wax with at least 5% by weight of a silica alumina catalyst, heating the mixture of chlorinated wax and catalyst to a temperature in the range 600–725° F., maintaining the mixture of chlorinated wax and catalyst at said temperature for a time sufficient to effect substantially complete removal of the chlorine from the chlorinated wax and to produce a substantially saturated oil.

2,597,911

FRICTION CLUTCH PLATE

W. Vincent Thelander, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio, a corporation of Virginia

Application November 4, 1948, Serial No. 58,280
2 Claims. (Cl. 192—107)



1. In a friction clutch plate comprising a central mounting means, a pair of axially spaced annular friction facings disposed radially outward from the periphery of said mounting means, means for connecting one of said friction facings in torque transmitting relation to said mounting

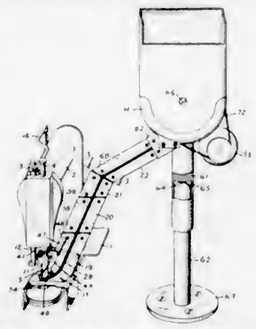
means and including a series of circumferentially spaced, individual, substantially flat, sheet metal friction-facing supports carried by said mounting means and extending in a generally radial direction and of equal radial length and attached to one friction facing only, each of said supports having an outer end portion disposed between said friction facings, and means for connecting the other of said friction facings in torque transmitting relation to said mounting means and including a series of circumferentially spaced, individual, substantially flat, sheet metal friction facing supports carried by said mounting means and extending in a generally radial direction and of equal radial length and attached to said friction facing only, each of said last-mentioned supports having an outer end portion disposed between said friction facings, the friction facing supports of the one series being in staggered relation to the friction facing supports of the other series, whereby the two series of supports are adapted to be compacted into substantially coplanar relationship, the improvement which consists in the provision of leaf springs, each substantially equivalent in width measured circumferentially of the plate to two of the friction facing supports and fastened on the inner side of one of said friction facings rings independently of said friction facing supports and midway between two adjacent friction facing supports that are attached to said friction facing ring, the leaf spring having end portions thereof in overlapping relation to the aforesaid two adjacent friction facing supports, said overlapping end portions having shouldered portions slidable in a direction circumferentially of the plate behind shoulders provided therefor on the aforesaid two friction facing supports, whereby the centrifugal force active upon the leaf spring is mechanically transmitted to said supports to relieve the friction facing of loads that would otherwise be imposed thereon at high R. P. M., said leaf springs having intermediate portions in abutment with adjacent friction facing supports of the other series to resist compacting of the two series of friction facing supports.

2,597,912

SHANK BUTTON FEEDER FOR BUTTON SEWING MACHINES

William A. Troll, Brooklyn, N. Y., assignor to Emsig Manufacturing Company, New York, N. Y., a partnership

Application October 4, 1948, Serial No. 52,683
7 Claims. (Cl. 112—113)



1. In a button sewing machine, a button feeder comprising a presser foot having a channel leading to a chute for guiding a shank button through a slot formed in the chute engaging the button head, to extend the shank through the side of said chute and adjacent the presser foot, and a feeding pawl extending to one side of said chute including camming means directing the same against the button shank extending from the chute, to feed the button in sewing position upon raising of the presser foot.

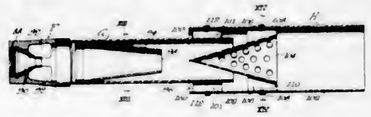
3. In a button sewing machine, the combination with a presser foot of a chute including articulatedly joined chute sections to direct the chute from a presser foot to a hopper in an angularly twisted direction by the sections so joined to each other, a supporting standard, said hopper having a pivotal connection with said supporting standard to provide upon jogging and movement of the presser foot, a combined yielding movement of the sections about the standard and in respect to each other.

2,597,913

FIRE FOAM NOZZLE

Joshua B. Webster, Fort Belvoir, Va.

Application September 12, 1947, Serial No. 773,723
4 Claims. (Cl. 261—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



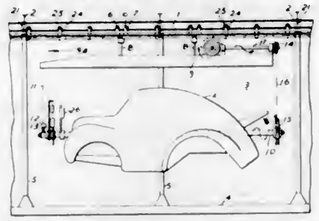
1. A nozzle for projecting fire-extinguishing foam upon a blaze of flaming combustibles, comprising an elongated tubular housing having a plurality of sections in successive communication whereby foam producing liquid may be passed through the housing, one of which sections is an intake section, a second of which sections is a mixing section, and a third of which sections is a discharge section, the intake section including an intake end for connection to a supply of foam producing liquid, jet means for the introduction of liquid and ports for the introduction of air responsive to the flow of liquid through the jet means to form a stream of a mixture of liquid, air and foam, the discharge section including a perforated conical mixing and spreading member mounted coaxially therein, having its apex extending from the discharge section toward the intake section and having its base supported in spaced relation to the walls of the discharge section whereby a portion of the stream impinged thereon may flow around the perforated conical member for imparting additional velocity to the stream while the remaining portion of the stream will be caused to flow through the perforations of the conical member for additional foaming, the mixing section being interposed between the intake and discharge sections and receiving the apex of the perforated conical member and including a frusto-conical compressing and mixing member mounted therein with its base contiguous to the walls of the mixing section and converging away from the intake section and towards the discharge section whereby the stream of liquid, air and foam is compressed and mixed therein and directed therefrom onto the apex of the perforated conical member, the compressing and mixing member being spaced from the jet means so that the mixture of liquid, air and foam resulting from the action of the jet means may impinge upon the interior of the compressing and mixing member, the housing including at least one group of additional ports for the aspiration of the stream spaced about the periphery of the housing.

2,597,914

APPARATUS FOR SPRAY PAINTING VEHICLE BODIES

Stanley John Lewis Whitworth, London, and Ernest Duncan Brown, Northfield, England, assignors to Carrier Engineering Company Limited, London, England, a British company

Application March 16, 1949, Serial No. 81,826
In Great Britain March 17, 1948
5 Claims. (Cl. 118—502)



1. Apparatus for conveying vehicle bodies past a plurality of treating zones, comprising an overhead track, wheels mounted on and adapted to run along said track, a boom substantially horizontally suspended from said wheels, supporting means carried by said boom, a spindle for supporting a vehicle body by extending substantially longitudinally therethrough, said spindle being rotatably mounted in said supporting means in substantially parallel horizontal relation to said boom, means for displacing said wheels along said track for moving said boom and said spindle lengthwise, mechanical means operated by movement of said boom along said track for rotating said spindle to revolve a vehicle body thereon for predetermined intervals as it passes each treating zone, and mechanical means connected between said spindle and at least one of its supporting means for locking said spindle against rotation between said predetermined intervals.

2,597,915

STABILIZATION OF PHOTOGRAPHIC EMULSIONS SENSITIZED WITH GOLD COMPOUNDS

Henry C. Yutzy and John A. Leermakers, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 24, 1949, Serial No. 117,718
20 Claims. (Cl. 95—7)

1. A process for stabilizing against loss of speed a photographic silver halide emulsion which has been sensitized by digesting the emulsion in the presence of a gold compound, comprising adding to the gold-compound-sensitized emulsion after the final digestion of the emulsion but prior to coating the emulsion on a support, a water-insoluble gold compound which has a solubility in water not greater than the equivalent of 1.0 mg. of gold per 100 ml. of water at 25° C. and not less than the equivalent of 0.03 mg. of gold per 100 ml. of water at 25° C.

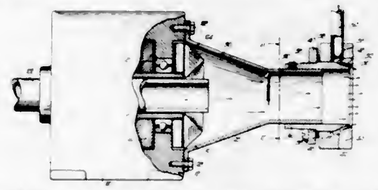
2,597,916

MATERIAL FEEDER AND HYDRATOR

William E. Anderson, Kansas City, Mo., assignor of one-half to William Earl Anderson, Blue Springs, Mo.

Application July 29, 1946, Serial No. 686,939
5 Claims. (Cl. 259—4)

1. A material feeder of the character described comprising an open-end conduit; means for forcing comminuted material through the conduit; a head on the conduit having connection with a source of liquid under pressure, said head being provided with an annular outlet port circumscribing a stream of comminuted material and disposed to direct liquid into said stream after it leaves the open end of said conduit; and a power driven centrifugal blower within the conduit having a series of radial blades arranged around the stream of material to direct a conical blast of air substantially radially inwardly toward the said material at a point adjacent to the said head, within the conduit, said conduit having a frusto-conical section therein between the said blower and the said head whereby to reduce the cross sectional area of the stream of material as the blast of air is forced thereagainst, said conduit including a section disposed in coaxial relationship with the said frusto-conical section at one end thereof opposite to said head for directing the material to said last mentioned section.

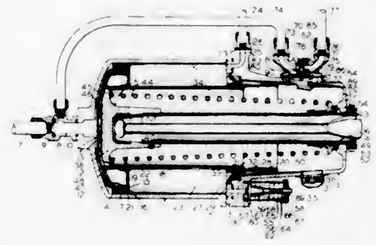


2,597,917

FLUID PRESSURE BRAKE CYLINDER DEVICE

Arthur J. Bent, Penn Township, Allegheny County, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application July 31, 1947, Serial No. 764,941
2 Claims. (Cl. 121—38)



1. A brake cylinder device comprising a hollow cylindrical casing, a pressure head closing one end of said casing, a non-pressure head secured to the opposite end of said casing and having an opening connecting the interior of said casing to atmosphere, said opening being in coaxial relation to said casing and being tapered with the smaller end at the inner wall of said non-pressure head, a piston head slidably mounted in said casing and cooperative with said pressure head to form in said casing a fluid pressure chamber at one side of said piston and cooperative with said non-pressure head to form a non-pressure chamber at the opposite side, a piston rod disposed in said non-pressure chamber and projecting through said opening in said non-pressure head, the end of said rod disposed in said non-pressure chamber being capable of sliding on said piston head radially thereof, and means for urging said end of said piston rod into abutment with said piston head for movement thereby.

2,597,918

METHOD OF MAKING TACKING STRIP

Barney Boersma and A. Arnold Parcels, Grand Rapids, Mich., assignors to Sackner Products, Inc., a corporation of Michigan

Application March 6, 1947, Serial No. 732,905
4 Claims. (Cl. 57—165)



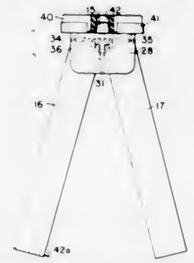
1. The method of making a tacking strip comprising the steps of twisting together strips of moistened kraft paper, compressing while moist into a relatively hard strip of uniform cross sectional dimensions, and while moist impregnating the outer portion of the strip by submerging in micro-crystalline wax heated to approximately 250° F. whereby some of the moisture is evaporated from the strip and the penetration of the wax facilitated.

2,597,919

SELECTIVE FOLDING HAND STAMP

George T. Brown, Jr., Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application January 27, 1951, Serial No. 208,223
11 Claims. (Cl. 101—103)



1. A printing stamp including, in combination, two open-ended box-like casing pieces, hinged together at the open ends so as to be adjustable to open condition with the open ends facing each other to form a continuous hollow space from one casing piece to the other and foldable to closed condition with the casing pieces in side to side contact and the open ends faced in the same direction; and one or more flexible strip-like printing elements loosely housed in the hollow spaces of said casings and of shorter length than the combined lengths of said hollow spaces so as to be movable back and forth between the casings, and said printing elements having type characters thereon, whereby when the casings are opened a selected type may be moved to be supported on the hinge and whereby when the casing pieces are thereafter folded to closed condition the selected type is exposed for printing.

2,597,920

ORGANO-TIN COMPOUNDS AND COMPOSITION INCLUDING SAME AND METHOD OF MAKING SAME

Richard T. Carroll, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 29, 1951, Serial No. 234,464
21 Claims. (Cl. 260—45.75)

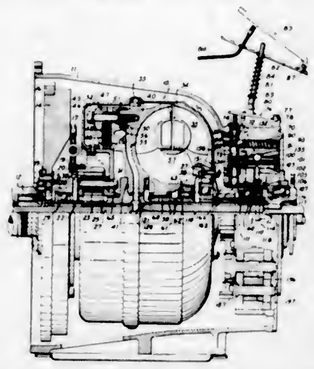
7. A heat and light stabilized composition comprising a polymer of monomeric material including a chloroethylene having from one to two chlorine atoms attached to one only of the carbon atoms and a stabilizer for said polymer comprising the reaction product of an organo-tin oxide having the empirical formula R_1R_2SnO where R_1 and R_2 represent monovalent hydrocarbon groups, with a hydrocarbon ester of an oxygen-containing acid having at least one oxygen atom in an acid radical attached to a replaceable acid hydrogen atom.

2,597,921

TORQUE CONVERTER AND LOCKUP MEANS THEREFOR

Harold E. Churchill and Woodrow A. Hasbany, South Bend, Ind., assignors to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware

Application May 31, 1946, Serial No. 673,491
17 Claims. (Cl. 192—.07)



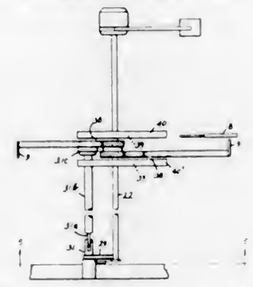
1. In a torque converter comprising pump, turbine and stator elements, the combination of fluid pressure responsive clutch means between said pump and turbine elements adapted to be engaged to clutch the latter together for conjoint rotation, fluid passageway means for conducting fluid under pressure to said clutch means to effect engagement of the latter, accelerator valve means associated with said passageway having a first position for permitting flow of fluid under pressure through the latter, and control valve means associated with said stator element and said passageway normally disposed in a position preventing flow of fluid through said passageway during torque multiplication through said torque converter, and adapted when said pump and turbine elements are rotating at substantially the same speed to permit flow of fluid under pressure through said passageway to said clutch means to effect engagement of the latter when said accelerator valve is in said first position.

2,597,922

CARTON-SEALING AND HANDLING MACHINE

John D. Conti, Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application February 18, 1949, Serial No. 77,118
8 Claims. (Cl. 216—9)



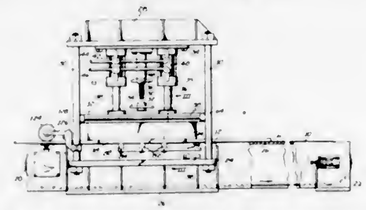
1. Apparatus for handling cartons comprising a platform for supporting a carton, conveyor means for delivering a carton to the platform from one side thereof, means adjacent another side of the platform for guiding a sealing tape over a carton when such is on the platform, means carried by the platform for centering the carton with respect to one dimension of the platform, said tape-guiding means being generally centered with respect to the same dimension, and an element protruding from the platform and responsive to the passage of a carton thereover for initiating actuation of the centering means.

2,597,923

PRESS MECHANISM AND FEED MEANS THEREFOR

Edward L. Croston, Dash Point, Wash., assignor to American Manufacturing Company, Inc., Tacoma, Wash., a corporation of Washington

Application June 2, 1947, Serial No. 751,705
7 Claims. (Cl. 144—281)



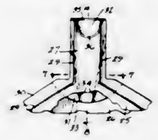
1. In a machine adapted for manufacturing laminated boards from material strips prearranged in contacting layers, the combination of a stationary lower press member of dielectric material, an upper dielectric press member movable vertically in relation to the lower member to press work materials between them, a work-carrier belt of dielectric material having one stretch disposed between said members and receiving support against sagging from said lower press member, said belt being operable to carry assembled work pieces progressively into the space between said press members and discharge them therebeyond, and elongated parallel electrodes disposed adjacent to the opposite edges of the belt stretch between said press members, and operable to set up a high-frequency field in a plane parallel to and immediately above such belt stretch for setting a layer of thermal-setting adhesive located between contacting material layers lying on said belt stretch between said press members.

2,597,924

SELF-SEALING VALVE FOR INFLATABLE PNEUMATIC BLADDERS OR THE LIKE

William F. Davenport, Stratford, and Howard A. Smith, Fairfield, Conn.

Application October 4, 1950, Serial No. 188,328
8 Claims. (Cl. 2—267)



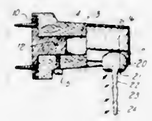
5. In a pneumatic bladder or the like, a pair of bladder layers of flexible air-impervious sheet material each having a tongue extension projecting from its edge and superimposed one upon the other with their peripheral edges and the side edges of said tongue extensions in register, an air-impervious sealing seam permanently securing said layers together continuously around their edges and along the side edges of said extensions to form a bladder, the outer ends of said extensions being unsecured to each other between their secured side edges to constitute an opening to the bladder formed by said layers, and a self-sealing valve comprising a pair of superimposed valve layers of flexible air-impervious plastic sheet material disposed between said extensions and permanently secured together along their side edges jointly with said secured side edges of said tongue extensions, air-impervious sealing seams permanently securing the outer edges of said valve layers to said extensions entirely along said outer ends of said extensions, and said valve layers between said secured side edges being unsecured to each other to provide upon forceable separation of said valve layers an air injection and ejection passage having an end exteriorly of the bladder and an end interiorly of the bladder, and the contacting surfaces of said valve layers each having such a high degree of smoothness and flexibility that they are capable of adhering to each other through molecular adhesion of the material alone.

2,597,925

SOAP HOLDER

Urey W. Edger, Louisville, Ky.

Application June 7, 1947, Serial No. 753,309
7 Claims. (Cl. 45—28)



1. A soap holder comprising a soap gripper member having a metal head of rounded form

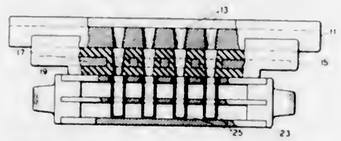
and capable of being magnetically attracted, and a stem formed to be securely anchored in a cake of soap, a support adapted to be mounted on a supporting surface with one end projecting outwardly therefrom, a magnet adapted to attract and support the metal head of said gripper member and a cake of soap attached thereto, said magnet being carried by the projecting end of said support and having a pair of spaced depending poles and an exposed channel-shaped seat formed between the opposed outer ends of such poles and adapted to receive the head of said gripper member to enable the poles of said magnet to hold such member and the attached cake of soap in a depending position, said rounded gripper member head being dimensioned to engage both poles of said magnet when positioned in said magnet seat.

2,597,926

PENTAERYTHRITOL TETRANITRATE PRODUCT

Samuel D. Ehrlich, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

Application July 5, 1947, Serial No. 759,195
2 Claims. (Cl. 52—5)



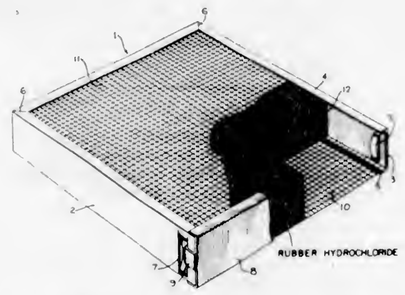
1. A composition comprising granular particles of pentaerythritol tetranitrate a portion of which will pass a U. S. S. No. 50 screen, which particles are coated with graphite which will pass a U. S. S. No. 200 screen, said graphite being present in an amount from about ¼% to about 4% of the pentaerythritol tetranitrate.

2,597,927

RUBBER HYDROCHLORIDE AIR FILTER

Herbert A. Endres, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application March 29, 1950, Serial No. 152,666
6 Claims. (Cl. 183—45)



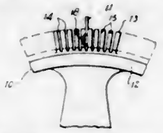
1. A gas filter removing suspended particles of matter from a gas, which filter comprises rubber hydrochloride elements arranged to form a gas pervious mat of sufficient thickness to permit multiple contact with the rubber hydrochloride elements of the particles of matter carried by the gas.

2,597,928

ADJUSTABLE CAM FOR TIME CLOCKS

Paul Fehr, Zug, Switzerland, assignor to Landis & Gyr, A. G., Zug, Switzerland, a body corporate of Switzerland

Application October 25, 1947, Serial No. 782,197
In Switzerland November 13, 1946
1 Claim. (Cl. 74—568)



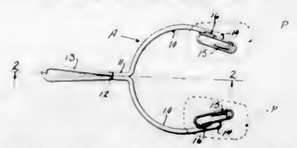
In combination, a time drum having an annular flange integral with its peripheral surface centrally thereof, said flange and part of said peripheral surface being slotted transversely to define radial circumferentially spaced rectangular fins on said drum, and a plurality of plates each including a pair of spaced laterally extending protuberances thereon, struck up from the surface of each plate and, disposed between said fins with said protuberances in frictional engagement with the opposite sides of one adjacent fin whereby said plates are retained on said drum against radial and lateral displacement, said plates each including a plurality of spaced projections along one margin in the plane thereof.

2,597,929

IMPRESSION DEVICE FOR MAKING DENTURES

Reuben L. Gorsky, Racine, and Dolph R. Illing, Milwaukee, Wis.

Application April 23, 1951, Serial No. 222,346
2 Claims. (Cl. 32—19)



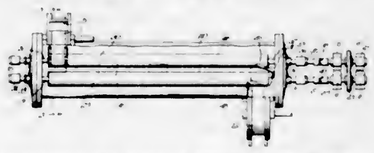
1. A dental bite-registering appliance comprising a body portion formed from a continuous length of heavy gauge wire, said body including, a pair of curved bows which converge at their rear ends and terminate in a manipulating handle loop, and a pair of resilient sinuous retainers each secured at one end to the forward end of a respective bow and extending vertically upward therefrom.

2,597,930

CONVEYER APPARATUS

Oliver Grosvenor, Morrison, Ill., assignor to Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine

Application March 9, 1946, Serial No. 653,286
7 Claims. (Cl. 198—127)



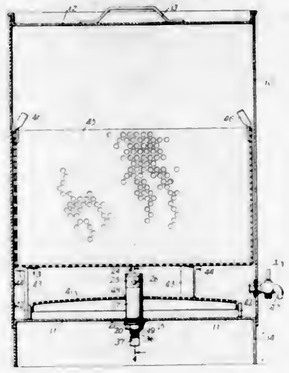
1. Conveyor apparatus comprising a pair of adjacent rolls spaced to support an object resting by gravity in the trough between the pair, said rolls having non-parallel axes, the roll surfaces varying in their relationship to each other at successive transverse planes, means for rotating the rolls in the same direction whereby objects placed in the trough between the rolls are given a longitudinal but non-rectilinear movement.

2,597,931

WASHER WITH ROTARY LIQUID AGITATOR

Isaac Irving Hance, Meriden, Conn., assignor, by mesne assignments, to Champion Laboratories, Inc., Meriden, Conn., a corporation of Connecticut

Application June 6, 1946, Serial No. 674,875
6 Claims. (Cl. 134—94)



1. Cleaning apparatus comprising a tank adapted to hold a cleaning liquid, a jet-propelled agitating and aerating rotor disposed in the lower part of said tank, including a hub mounted for rotation about an upright axis and means preventing substantial axial movement of said hub, together with hollow arms or spokes extending horizontally therefrom and provided laterally with orifices for discharge of gaseous propelling jets, piping connections for conducting a compressed gas to said hub for actuating said rotor, a foraminous article container supported within the tank above said rotor, and a foraminous baffle removably supported below said rotor and above the tank bottom to provide in conjunction with said bottom a sludge compartment, said baffle being slotted to provide an aperture conforming in general outline and size with said agitating rotor, whereby said baffle may be moved vertically past said rotor arms when the latter are vertically aligned with such slotting.

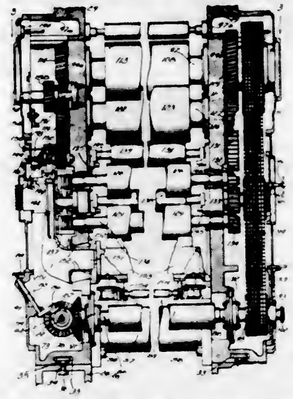
2,597,932

ROTARY PRINTING MACHINE WITH REVERSIBLE PRINTING UNIT

William F. Huck, Forest Hills, N. Y., and Anton Stobb, Union Township, Hunterdon County, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Original application February 15, 1945, Serial No. 577,980. Divided and this application July 17, 1946, Serial No. 684,099
2 Claims. (Cl. 101—220)

1. In a printing machine having a plurality of individual printing units, one of the printing units comprising a first impression cylinder having a shaft, a sprocket wheel carried by the shaft for driving the same and having a recess, a first gear on the shaft and secured against rotation relative thereto, a second gear fixed on the shaft, a second impression cylinder having a shaft and a first and second gear fixed on the shaft of the second impression cylinder; reversing mechanism comprising a means for slidably moving



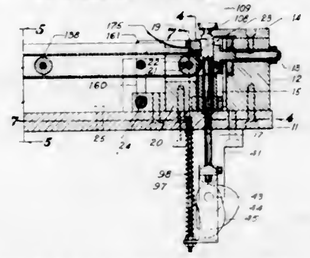
the first gear of the first impression cylinder out of mesh with the first gear of the second impression cylinder and into the recess in the sprocket wheel, and a slip gear slidably mounted for movement into engagement with the second gear of each of the impression cylinders.

2,597,933

FRUIT STUFFING MACHINE

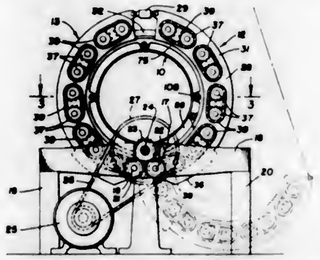
William Hungate, Houston, Tex., assignor, by mesne assignments, to Leverton and Company, Houston, Tex., a corporation of Texas

Application August 18, 1947, Serial No. 769,155
14 Claims. (Cl. 146—27)



1. In apparatus for stuffing fruit, a support for a strip of material to be stuffed into the fruit, a shear disposed above the support having a shearing edge, means to mount the shear for movement between an elevated position and a lowered position with its shearing edge opposite the edge of the support, a pair of pivotally mounted jaws disposed adjacent said support having cutting edges on their sides nearest the support with the pivotal axis below and perpendicular to the edge of the support, means pivotally to mount said jaws for pivotal movement between an open position in which the jaws are in a horizontal line end to end just beneath the level of the table and a closed position in which the arms are substantially parallel and immediately adjacent each other, the pivot axis of said mounting being near the ends of the jaws that are adjacent when in open position, said motion of the jaws causing their cutting edges to traverse the shearing edge of the shear from positions away from the center thereof on opposite side towards the center thereof.

2,597,934
APPARATUS FOR MOLDING CONCRETE PIPES
Hugh F. Kennison, Verona, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application July 15, 1949, Serial No. 105,013
17 Claims. (Cl. 25—30)



1. Apparatus for forming concrete pipes or the like comprising a mould having a cylindrical body and circular forms spaced from one another and extending outwardly from the cylindrical body and towards each other for forming coupling surfaces at the ends of a pipe to be moulded on the exterior of said cylindrical body and intermediate said circular forms, means for supporting said mould for rotation about a stationary axis, a plurality of rollers mounted concentrically about said cylindrical body and encircling the same except for a filling space between upper rollers, each of said rollers having surfaces of revolution for forming the exterior surface of a pipe to be moulded which lies between said circular forms of the mould, and means for rotating said rollers and said mould.

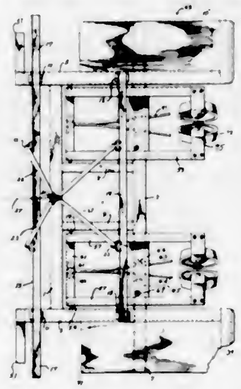
2,597,935
COVER GLASS ASSEMBLY
Harry Ray Kiehl, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application April 22, 1946, Serial No. 663,785
1 Claim. (Cl. 58—91)



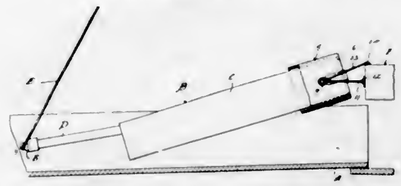
In a cover-glass assembly, a tempered convex-concave cover-glass having a permanent compressive stress established in the convex surface thereof and having its marginal portion metallized, a bezel contracted about such marginal portion, and solder between the bezel and such metallized portion, the compressive stress in said convex surface being greater than the tensional stress created therein by contraction of the bezel.

2,597,936
TRANSPLANTER
Herman Knorr, Jr., Shiocton, Wis., assignor of one-half to H. J. Brandt, Black Creek, Wis.
Application June 27, 1947, Serial No. 757,598
1 Claim. (Cl. 111—62)

In a transplanter adapted to be towed by a towing vehicle, a basic frame composed of transverse and longitudinal members secured together, a pair of transverse suspension beams, one of said beams being secured to the forward portion of said basic frame, the other suspension beam being secured to said basic frame rearwardly of said one beam and substantially at the transverse center line of the basic frame, a plurality of furrow-openers symmetrically arranged with respect to the longitudinal center line of said basic frame, said furrow-openers being fixed to said basic frame rearwardly of said rear suspension beam and extending forwardly thereof, a sub-frame for each furrow-opener pivotally connected to said basic frame on a horizontal axis forwardly of said rear suspension beam and having members straddling the associated furrow-opener and extending rearwardly beyond the same, the rear portions of said sub-frame members carrying means to close and pack the furrows formed by the furrow-openers, seats for operators carried on said basic frame adjacent the furrow-openers and symmetrically arranged with respect to said longitudinal center line, the major portions of said seats being positioned rearwardly of said rear suspension beam, and a hanger frame having members secured to said suspension beams at points symmetrically spaced with respect to said longitudinal center line, said hanger members extending upwardly and converging to a common point forwardly of said rear suspension beam and vertically above said longitudinal center line for connection to support means extending rearwardly from a towing vehicle, whereby the transplanter is supported for movement in balanced relation and the furrow closing and packing means may pivot relative to their furrow openers.



2,597,937
PUMP BARREL CLEANING APPARATUS
Frank Krizman and Charles Jonette, Dawson, Yukon Territory, Canada
Application February 28, 1947, Serial No. 731,686
1 Claim. (Cl. 214—1)



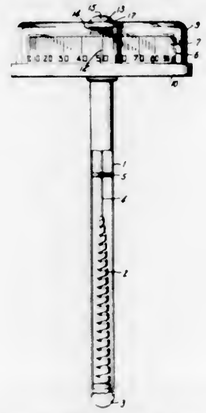
A pump barrel handling apparatus for pumping wells comprising a supporting structure, a bracket extending from the supporting structure, a pump barrel receiving cup swingable on the bracket and adapted to be tilted with a pump barrel therein to dispose the pump barrel to a tilted position for cleaning the interior thereof, said cup having an open bottom provided with an inturned flange for supporting said pump barrel, and said bracket consisting of a pair of arms projecting horizontally from the supporting structure and provided with bearings at the cutter ends thereof, said cup being provided with trunnions disposed in said bearings, each of said bearings having affixed thereto an upwardly and angularly extending arm, a hook at its free end for disposition over the supporting structure for bracing said horizontal arms and preliminarily supporting the horizontal arms and cup when securing the horizontal arms to the supporting structure.

2,597,938
AMINOPHOSPHONO-HALO-ALKANALS AND PREPARATION THEREOF
Elbert C. Ladd and Merlin P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 30, 1951, Serial No. 218,519
3 Claims. (Cl. 260—551)

1. Tetraalkyldiamidophosphonohaloalkanals, wherein each alkyl group has from 1 to 5 carbon atoms.

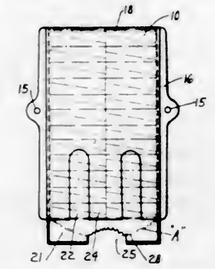
3. A process of producing tetraalkyldiamidophosphonohaloalkanals wherein each alkyl group has from 1 to 5 carbon atoms, which comprises reacting an alphahalogenated alkanal, mole for mole with an alkyl ester of a tetraalkyldiamidophosphorous acid, with elimination of alkyl halide, wherein each alkyl group has from 1 to 5 carbon atoms.

2,597,939
BIMETALLIC THERMOMETER
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application June 24, 1946, Serial No. 678,736
2 Claims. (Cl. 116—129)



1. An indicating system for an instrument including a staff adjustable angularly by a condition-responsive element; said indicating system comprising a dial element provided with a scale of graduations and adapted to be mounted on an end of the instrument staff, a housing including a transparent section through which said scale may be viewed, a relatively stationary pointer rotatably mounted on said housing coaxial with the staff, said pointer being within said housing and providing an index for reading values from said scale of graduations, frictional means normally retaining said pointer against rotational displacement, a scale of calibrations carried by the housing and cooperating with said pointer, and means for rotational adjustment of said pointer with respect to said scale of calibrations.

2,597,940
BOOK MATCH DISPENSER
Burton H. Locke, Framingham, Mass.
Application April 10, 1951, Serial No. 220,201
3 Claims. (Cl. 312—42)



3. A book match dispenser comprising a housing suitable to support a conventional box of book matches vertically on end with the books of matches gravitated face to face in a plurality of vertically disposed rows in said box in the manner they are normally packed, means to attach said housing against a vertical support, the top of said housing being open to permit the insertion of a conventional box of book matches within the housing, the bottom of said housing being substantially covered and being inclined outwardly and downwardly in respect to said support, a dispensing aperture extending across the outer face of said housing at the lower edge thereof, and at least one slot in the said outer face of the housing, all such slots being disposed to extend upwardly from said aperture and to terminate in the said housing, at least one notch in the outer edge of the inclined bottom of said housing, any said notch being connected to the said aperture and having edges suitable to facilitate severing a portion from the lower end of any conventional book match box that may be inserted in the said housing for the purpose of dispensing books of matches therefrom.

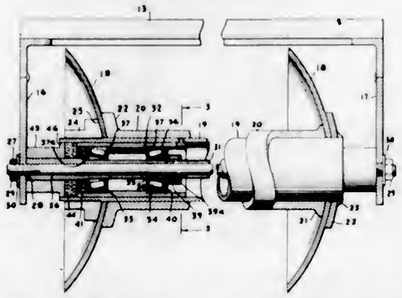
2,597,941
DEVICE FOR CONTROLLING MOVEMENT OF PIPE OR THE LIKE ALONG A ROLLER CONVEYER
Louis W. Long, Lorain, Ohio, assignor to United States Steel Company, a corporation of New Jersey
Application February 23, 1949, Serial No. 77,835
3 Claims. (Cl. 193—35)



1. In a conveyor composed of a plurality of spaced parallel rollers each having two frusto-conical portions with their smaller ends disposed toward each other whereby cylindrical articles

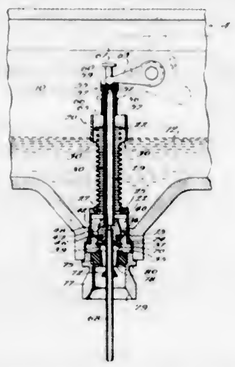
such as pipe lengths placed thereon roll toward a central position, means for arresting articles disposed on the conveyor alongside that in central position comprising a stop plate disposed transversely of the conveyor and lying in the path of the articles on the conveyor alongside the article in central position but terminating short of the path of the article lying in central position.

2,597,942
BEARING ASSEMBLY FOR DISK HARROWS
Ray McCullough, Fresno, Calif.
Application August 5, 1949, Serial No. 108,720
9 Claims. (Cl. 308—181)



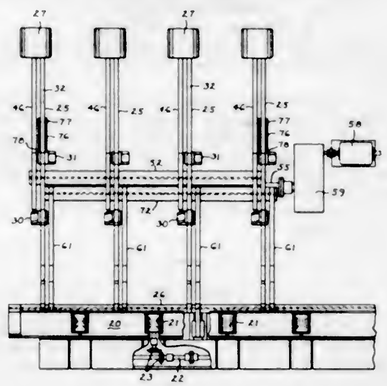
1. In a disk harrow having a frame, an axle fixed to the frame, a tubular shaft adapted to carry a plurality of disks and surrounding the axle, the combination of: bearing assemblies interposed between the tubular shaft and the axle at the marginal ends of the shaft, each assembly comprising an inner sleeve fitted on the axle, an outer sleeve fitted in the shaft, and having internal and reversely disposed annular shoulders in the bore thereof, a pair of bearings between said sleeves having outer races abutting said shoulders, and means for holding said races in abutting relation to said shoulders with one of said means adjustable on the inner sleeve.

2,597,943
FILLER VALVE WITH AUTOMATIC AND EMERGENCY CUTOFF
George L. N. Meyer, Milwaukee, Wis.
Application October 19, 1945, Serial No. 623,240
13 Claims. (Cl. 226—115)



1. In a counter-pressure filler valve having a gas control valve adapted to control the flow of counter-pressure to a container, a liquid valve adapted to open upon the attaining of a predetermined counter-pressure therebeneath, said liquid valve comprising a cage, a valve seat at one end of said cage, a valve body mounted for movement toward and away from said seat, and a valve closure member carried by said valve body to govern the flow of liquid through said valve, said valve closure member being movable with respect to the valve body so that said closure remains seated on said valve seat upon movement of the valve body without the presence of sufficient counter-pressure beneath said liquid valve.

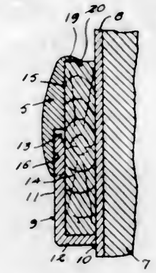
2,597,944
APPARATUS FOR HANDLING BARS
Myles Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application March 31, 1949, Serial No. 84,599
7 Claims. (Cl. 198—219)



1. Apparatus for handling bars comprising a plurality of horizontally spaced parallel stationary skids adapted to support generally horizontal bars extending transversely thereof, each skid being shaped to provide two bar-supporting surfaces one of which is in front of the other and at a lower elevation, upper moving skids laterally adjacent to the upper bar-supporting surfaces of the stationary skids, lower moving skids laterally adjacent to the lower bar-supporting surfaces of the stationary skids, a horizontal rotatable shaft extending transversely beneath the stationary skids, eccentrics on the shaft, means pivotally connecting the front portions of the upper moving skids to the eccentrics, other eccentrics on the shaft, means pivotally connecting the rear portions of the lower moving skids to the said other eccentrics, means supporting the rear portions of the upper moving skids, and means supporting the front portions of the lower moving skids.

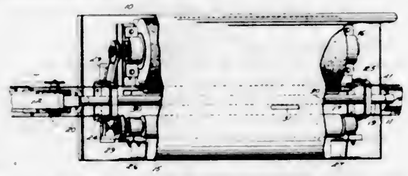
2,597,945
BATTEN CLEAT PROTECTOR
Harry J. Moors, Galveston, Tex.
Application July 20, 1951, Serial No. 237,726
5 Claims. (Cl. 114—88)

1. A batten cleat protector comprising an elongated body portion having a substantially flat inner side adapted to be disposed against a batten, said body portion being provided with a recess opening outwardly of its inner side and of a lower end thereof adapted to accommodate and enclose the upper end of a batten cleat, and



means for detachably anchoring the cleat protector to the batten.

2,597,946
APPARATUS FOR THE TREATMENT OF EXTERNAL SURFACES OF CANS
Albert M. Olson, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 20, 1946, Serial No. 717,498
9 Claims. (Cl. 15—70)

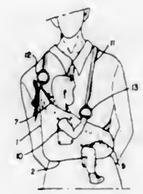


8. In apparatus for removing foreign matter from the external surfaces of cylindrical containers, the combination of a stationary support engageable by a lower portion of the peripheral wall of the containers when lying on their sides; a container-rotating roll engageable by said peripheral container wall, said roll being laterally displaced from and disposed substantially higher than said support; a rotatable brush disposed in laterally spaced relation to said roll to provide a container-receiving space therebetween above said support, the lines of contact of the roll and brush with said container wall being substantially diametrically opposed; and means for rotating said roll and brush whereby the roll induces rotation of the containers and the brush removes the foreign matter from the container surfaces.

2,597,947
TEXTILE TREATING COMPOSITIONS
Horace Finningley Oxley and Edward Boaden Thomas, Spondon, near Derby, and Harry Charles Murfitt, London, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 15, 1947, Serial No. 722,290. In Great Britain January 25, 1946
4 Claims. (Cl. 252—8.75)

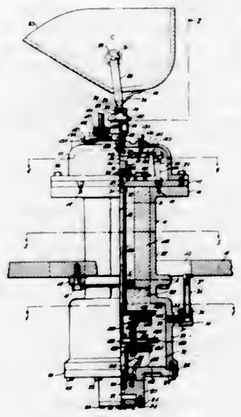
1. A composition suitable for lubricating cellulose acetate textile material, said composition consisting essentially of a lubricating oil, a higher fatty alcohol, and a salt of an aliphatic sulphonic acid containing 8 to 18 carbon atoms with ethylene-bis (triethyl ammonium hydroxide), the proportion of alcohol being sufficient to render the composition homogeneous and the proportion of the salt sufficient to render cellulose acetate textile material difficult to electrify when lubricated with the composition.

2,597,948
COMBINATION BABY CARRIER AND UTILITY BAG
Julia W. Phillips, Denver, Colo.
Application June 9, 1949, Serial No. 98,105
4 Claims. (Cl. 224—6)



1. A bag, for carrying a baby in either sitting or prostrate position and for use as a general utility bag, formed of two approximately right-triangular walls of cloth-like material having their right angled edges secured together and their hypotenusal edges severably joined together by zipper-type means and normally closed orifices in said walls adapted to be opened to permit projection therethrough of the limbs of a baby carried therein in sitting position.

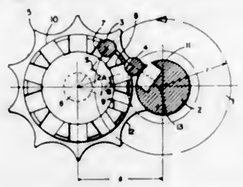
2,597,949
BUOYANCY SCALE
Sigmund Rappaport and James C. Petrea, Durham, N. C., assignors to Wright Machinery Company, Durham, N. C., a corporation of North Carolina
Application July 7, 1949, Serial No. 103,497
23 Claims. (Cl. 265—43)



1. A weighing machine, comprising: a container having a body of liquid therein; float means disposed in said container and buoyantly supported by said liquid; a receiver supported by said float means and adapted to receive material to be

weighed; and auxiliary float means in said container engageable with said first-mentioned float means to increase the buoyant effect thereof.

2,597,950
INTERMITTENT DRIVING MECHANISM
Robert Robertson, Roundhay, Leeds, England, assignor to British Optical & Precision Engineers Limited, London, England, a British company
Application December 11, 1950, Serial No. 200,151
In Great Britain October 13, 1948
7 Claims. (Cl. 74—436)

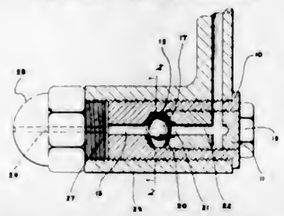


1. An intermittent driving mechanism of the type including a driving member and a driven member on spaced parallel shafts, the driving member being a disk having a driving pin located eccentrically thereon and extending therefrom parallel to the axis of the driving member and its shaft, and said driven member comprising a wheel having radial slots periodically engaged by said pin; characterised by the feature that said wheel includes an annular ring in which the wheel slots are formed, said annular ring having a radial depth less than the penetration of the pin, whereby the pin disengages from the wheel inside the annular ring, auxiliary means being provided between said driving and driven members to advance the wheel during this disengagement to provide for the pin another slot for its withdrawal through the annular ring in advance of that through which it entered.

2,597,951
EMULSION POLYMERIZATION PROCESS
Hendrik Romeyn, Jr., Montclair, N. J., and Charles D. McCleary, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 28, 1950, Serial No. 192,828
4 Claims. (Cl. 260—45.5)

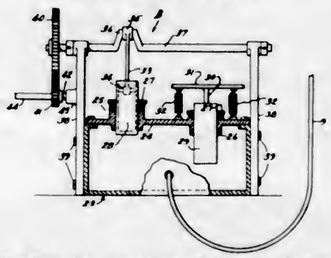
1. A process of making a rubbery butadiene-acrylonitrile copolymer having a content of methyl ethyl ketone-insoluble gel of from 40 to 80%, said gel having a swelling index, measured in methyl ethyl ketone, of from 8 to 35, and a Mooney viscosity, measured at 212° F., of from 40 to 80, each of said values for gel content, gel swelling index and Mooney viscosity being determined on a sample which has been massed by milling for 5 minutes at 360° F., which comprises subjecting a mixture of butadiene and acrylonitrile to aqueous emulsion polymerization, initiating polymerization of said butadiene and acrylonitrile in the absence of a cross-linking agent, thereafter adding from 0.7 to 1.5% by weight, based on the butadiene and acrylonitrile, of divinylbenzene at a time when from 10 to 35% of the original monomer mixture has been converted to polymer, continuing the polymerization, and stopping the polymerization at a time when at least 60% but not more than 80% of said original monomer mixture has been converted to polymer.

2,597,952
VALVE CONSTRUCTION
Iver Theodore Rosenlund, Newark, Del., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 2, 1947, Serial No. 771,730
1 Claim. (Cl. 137—139)



A check valve for multi-directional positioning comprising, in combination, a valve body having a valve chamber and inlet and outlet fluid ducts formed therein, one of said ducts terminating in a port in the wall of said chamber, a frusto-conical surface of the chamber wall encircling said port and comprising a seating surface for a valve, a portion of said body in rear of said seating surface comprising a permanent magnet, the remainder of said body being of non-magnetic material, a ball valve element within said chamber adapted to engage said valve seat and close said port, said valve element being made of material which is attracted by said magnet and being maintained thereby firmly in seated position until displaced by fluid forced through said port, and abutment means in said valve body for confining the movements of the valve element to the field of attraction of the magnet, said field being of sufficient strength to return the ball valve to its seat in the absence of valve-displacing fluid pressure whatever the position of the valve body, while permitting flow of fluid through said valve chamber and the other of said ducts beyond the valve element, said frusto-conical seating surface being comprised of an outwardly flaring relatively thin layer of non-magnetic material, the permanently magnetized portion of the valve body directly underlying said layer, said frusto-conical seating surface tapering toward said port so as to guide any magnetically attractable particles over said seating surface and into said duct.

2,597,953
HYDRAULIC PRESSURE DELIVERY DEVICE
Tony Rozanski and William Whitley, Ramsey, N. J.
Application October 23, 1945, Serial No. 624,070
2 Claims. (Cl. 60—54.6)



1. A hydraulic pressure delivery device comprising a hydraulic fluid containing casing having a closed top, a first open ended cylinder fixedly supported in said closed top and having one end in communication with the interior of said casing and having the other end projecting beyond said closed top, a first piston mounted in said cylinder for reciprocatory movement and having one end adjacent said one end of said cylinder and having the other end extending beyond said other end of said cylinder, a rotatable crankshaft having a crank throw intermediate its ends arranged exteriorly of and supported on said casing, a connecting rod having one end connected to the other end of said piston and having the other end connected to said crank throw, a second open ended cylinder spaced from said first cylinder and fixedly supported in said closed top and having one end in communication with the interior of said casing and having the other end projecting beyond said closed top, a second piston mounted in said second cylinder for reciprocatory movement and having one end adjacent said one end of the latter named cylinder and having the other end extending beyond said other end of said second cylinder, means resiliently connecting said second piston to said closed top casing, an outlet connected to said casing for conveying fluid under pressure from said casing, and means connected to said crankshaft for effecting the rotation of the latter to thereby cause reciprocation of said first named piston to exert pressure on the fluid in said casing and force said liquid under pressure out of said outlet.

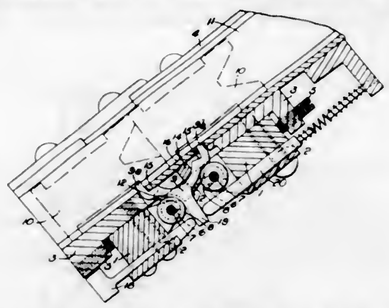
2,597,954
EARTHWORKING IMPLEMENT
Fred W. Schaller, Jenera, Ohio
Application January 6, 1949, Serial No. 69,555
1 Claim. (Cl. 97—71)



As a new article of manufacture, a tool head embodying a substantially triangular plate the apex end of which is adapted for attachment to a handle, the basal edge of said plate being slitted and defining a plurality of fingers constituting tines, the alternating tines being bent in opposite directions in respect to the body portion of the plate and all of said tines being curvilinear, certain of said tines having blunt free ends and other tines having sharpened free ends, all of the blunt ends being on one side of said plate and all of the sharp ends being on an opposite side of said plate, all of said tines being of corresponding curvatures and of corresponding lengths.

2,597,955
ESCAPEMENT MECHANISM
Richard Henry Scott, Hale, and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a company of Great Britain
Application April 26, 1947, Serial No. 744,058
In Great Britain April 29, 1946
6 Claims. (Cl. 199—23)

1. Escapement mechanism for a typographical composing machine including, in combination, a plurality of escapement levers arranged side by side and each mounted to rock in a curved path and formed at its front and rear ends with lower convex surfaces, and a corresponding plurality of independent pairs of rollers upon which the escapement levers rest by gravity and by which they are supported in place, the rollers of each pair being arranged in rolling contact with the front and rear lower convex surfaces of the corresponding escapement lever.



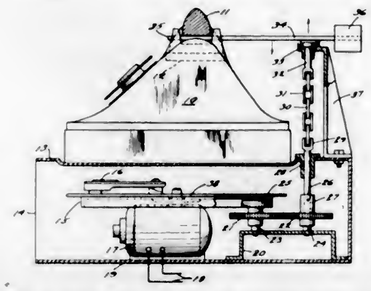
2,597,956
ESCAPEMENT MECHANISM OF TYPOGRAPHICAL COMPOSING MACHINES
Richard Henry Scott, Hale, and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a British company
Application May 9, 1947, Serial No. 747,012
In Great Britain May 11, 1946
8 Claims. (Cl. 199—23)

5. An escapement mechanism for controlling the release of matrices from the magazine of a typographical composing machine, said mechanism comprising, in combination, an escapement lever mounted to rock in a curved path and formed with a lower convex surface, and an actuating plunger having an upper bearing surface arranged in engagement with the lower convex surface of the escapement lever and upon which said lever rests by gravity.

2,597,957
RECORDING TELEPHONE
Michael Sepelak, New Castle, Pa.
Application October 14, 1950, Serial No. 190,209
3 Claims. (Cl. 179—6)

1. A telephone recording device for use with a telephone instrument including a transmitter-

receiver unit, said device including a turntable and means for rotating the same, an arm normally engaged beneath the said transmitter-receiver unit of the telephone and a mechanism interconnecting the said turntable and the said arm for elevating the latter when the turntable is revolved, said mechanism comprising gears



driven by said turntable, a vertical shaft on one of said gears, means supporting and frictionally engaging a secondary vertical shaft in spaced relation above said vertical shaft and a plurality of pivotally interconnected links interconnecting the said shaft and secondary shaft, the said links arranged to assume longitudinal alignment upon the rotation of the said shaft.

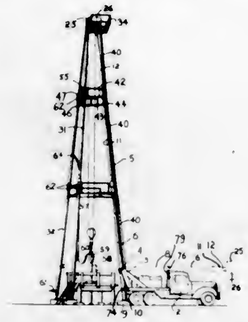
2,597,958

THREE LEG DERRICK CONSTRUCTION

Henry W. Slater, Victoria, Tex.

Application August 26, 1946, Serial No. 693,039

2 Claims. (Cl. 189—11)



1. A portable derrick, comprising, a truck, a trunnion thereon, a main mast, said mast including a plurality of coaxially arranged telescoping pipe sections, the lowermost one of said sections having pivotal connection to said trunnion for rotation thereon between horizontal and generally upright positions, means to extend said sections, a crown block fixedly mounted on the outer end of the uppermost one of said sections, a pair of tubular brace legs having their upper ends separably connected to said crown block and extending angularly therefrom to form with said mast a tripod structure, and a pair of longitudinally spaced brace frames extending transversely between said mast and said brace legs, each of said brace frames having separable means pivotally connecting one side thereof to said mast, and clamp means releasably connecting the other side thereof to both said brace legs.

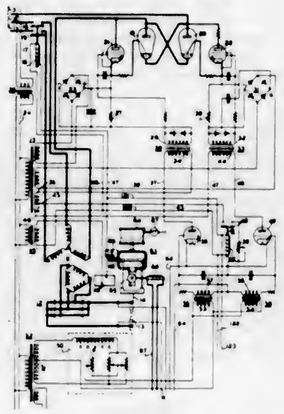
2,597,959

WELDING SYSTEM

Clyde E. Smith, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio

Original application December 16, 1943, Serial No. 514,491, now Patent No. 2,477,211, dated July 26, 1949. Divided and this application July 18, 1949, Serial No. 105,380

6 Claims. (Cl. 219—4)



2. In an electric resistance welding system having a welding transformer and a rectifier connected to the secondary thereof for supplying unidirectional welding current, the combination of means to effect welding pressure, means comprising a solenoid and an energizing circuit therefor for varying the welding pressure during the welding cycle, said energizing circuit comprising a capacitor and a grid-controlled gaseous discharge device in series therewith, a source of grid biasing potential for said device comprising a timing capacitor, a relay operative when energized to initiate a change in the charge on said timing capacitor, and means to energize said relay comprising a controlled discharge device having its control circuit connected across the output of said rectifier.

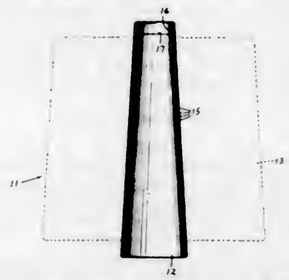
2,597,960

YARN PACKAGE SUPPORT

William T. Stearn, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

Application October 18, 1950, Serial No. 190,818

8 Claims. (Cl. 242—122)



1. A yarn package support comprising a tubular member for supporting yarn windings thereon, said tubular member having an end portion comprising an extension of said tubular member having a thickness less than the thickness of the main body of said tubular member, said extension being bent upon itself.

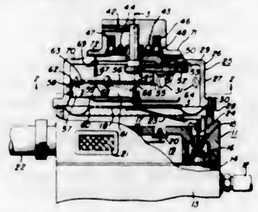
2,597,961

PRESSURE REGULATING DEVICE

Elmer G. Steffen, University Heights, Ohio, assignor to Alar Products, Inc., a corporation of Ohio

Application August 31, 1950, Serial No. 182,610

12 Claims. (Cl. 267—1)



1. A pressure regulating device for exerting a variable force on a flexible diaphragm, comprising, a cup-shaped housing with an open end adapted to engage one side of said diphragm, an end wall in said housing remote from said diaphragm end, said end wall having a central aperture, a shaft journaled in said aperture, detent means acting between said shaft and said housing to establish said shaft in a plurality of positions relative to said housing, means including a gear driven by said shaft and rotatable relative to said housing on an axis substantially parallel to said shaft axis, a portion of said gear adapted to move away from a given point on the interior side wall of said housing upon rotation of said gear in a given direction, lever means having a pivot point secured to said given point of the interior side wall of said housing, and a spring extending and acting between said lever means and said portion of the gear.

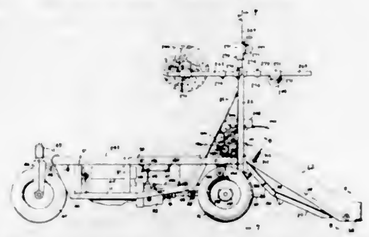
2,597,962

HAY HARVESTING APPARATUS

Harvey L. Whitley, Fremont, N. C.

Application December 14, 1946, Serial No. 716,400

8 Claims. (Cl. 100—1)



1. An improvement in apparatus for cutting and baling vegetation having a wheeled frame provided with a cutter bar secured thereto and projecting forwardly therefrom and having a prime mover mounted on the frame and having an endless conveyor disposed rearwardly of the cutter bar and projecting upwardly into the frame for delivering the cut vegetation onto the front portion of the frame, said improvement comprising a reel mounted in the frame and having a plurality of rollers rotatably mounted therein, one of said rollers at a time being adapted to be swung into close proximity to the rear end of the conveyor, contact with the conveyor serving to rotate the roller and the vegetation wound thereon, and additional means for driving the roller when it reaches a position adjacent the rear end of the elevating means to wind the cut vegetation therearound, said roller being removable from the bale of vegetation to thus provide a cylindrical bale of vegetation.

2,597,963

FLUID IMPERVIOUS CARBON ARTICLE AND METHOD OF MAKING SAME

Lester L. Winter, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application September 10, 1947, Serial No. 773,315

6 Claims. (Cl. 117—69)

1. A method which comprises producing, in situ in, and integral with the pore walls of, at least those pores of a porous carbon article at its surface portions, a carbide of a metal selected from the group consisting of molybdenum, vanadium, chromium, titanium, zirconium, and tantalum; impregnating such carbided pores with a molten metal fluoride having a melting point of at least 1100° C.; and solidifying said fluoride in situ by cooling, thus rendering said article substantially impervious to fluids.

2,597,964

FLUID IMPERVIOUS CARBON ARTICLE AND METHOD OF MAKING SAME

Lester L. Winter, Fairview Park, Ohio, assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application November 9, 1951, Serial No. 255,737

6 Claims. (Cl. 117—69)

1. A method which comprises producing, in situ in, and integral with the pore walls of, at least those pores of a porous carbon article at its surface portions, a carbide of a metal selected from the group consisting of molybdenum, vanadium, chromium, titanium, zirconium, and tantalum; impregnating such carbided pores with a molten siliceous material having a working point of at least 1000° C.; and solidifying said material in situ by cooling, thus rendering said article substantially impervious to fluids.

2,597,965

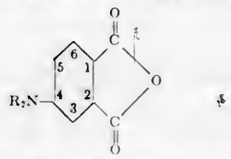
4-DIALKYLAMINOPHTHALIC ANHYDRIDE

Clyde S. Adams, Yellow Springs, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

No Drawing. Application April 29, 1950, Serial No. 159,149

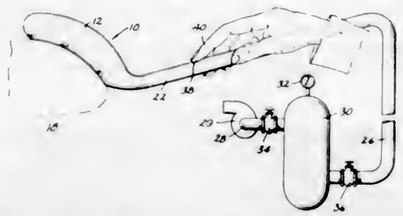
5 Claims. (Cl. 260—342.5)

1. The compounds having the structure



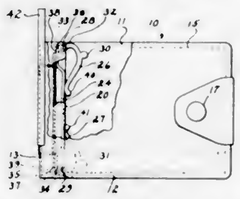
wherein R is taken from the group of alkyl radicals consisting of CH_3, C_2H_5, C_3H_7 and C_4H_9.

2,597,966
SUCTION APPLYING THERAPEUTIC APPARATUS
Estelle Adler, New York, N. Y.
Application July 6, 1950, Serial No. 172,309
1 Claim. (Cl. 128—67)



Therapeutic apparatus comprising a source of sustained subatmospheric pressure having an inlet port, an applicator having a hollow head and a tubular handle disposed at an angle of less than 180° relative to the upper surface of said head, said head containing a single inlet opening, said opening being defined by an edge conforming to a surface of the human body, and said head being substantially completely transparent for observation of an engaged body surface, said handle being in fluid communication with said opening, a flexible tube interconnecting said handle and port, a pressure gauge interposed between said port and handle, and pressure adjusting means for said apparatus, said handle containing an exposed vent for direct contact with a finger of an operator.

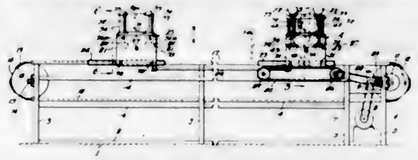
2,597,967
BILLFOLD
Carl A. Anderson, Cranston, R. I., assignor to Anson, Inc., Providence, R. I., a corporation of Rhode Island
Application August 1, 1950, Serial No. 176,957
7 Claims. (Cl. 150—38)



1. In a billfold of the type having covers interconnected by a hinge about which said covers may be swung to and from open and closed positions and a spring clamp for retaining bills therein, that improvement in said spring clamp which comprises a frame secured at the hinge, a spring mounted in said frame and a clamp pivotally mounted in said frame adapted to be held in position by said spring.

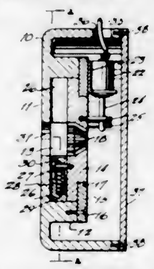
2,597,968
MACHINE FOR DECORATING CHINA OR THE LIKE
Fred Baron, Chicago, Ill., assignor to Stetson China Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1948, Serial No. 14,743
11 Claims. (Cl. 118—239)

1. In a mechanism for applying pigment and the like, a conveyor belt adapted to receive the articles to be treated, means for actuating it, a sub-frame overlying said conveyor belt, means for moving said sub-frame in unison with the work-supporting portion of said conveyor belt for a predetermined distance, including a driving connection between the conveyor belt and the sub-frame, whereby, when such connection



is in operative position, movement of the conveyor belt is effective to move the sub-frame in unison with the conveyor belt, means for returning said sub-frame in an opposite direction after it has moved a predetermined distance with said belt and means on said sub-frame for engaging and operating on the work while the sub-frame is moving with the belt.

2,597,969
SAFETY SWITCH
Hugh M. Barton, Forth Worth, Tex.
Application May 19, 1948, Serial No. 27,910
2 Claims. (Cl. 200—44)

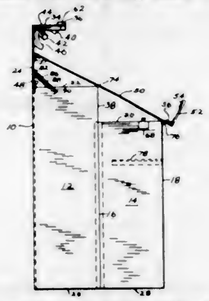


1. In a safety switch for lathes, and the like, in combination with a toggle switch in an electrical circuit and a housing for said switch, a rotatable disk arranged in said housing and having a pair of pins projecting from the face thereof operatively engageable with the lever of said toggle switch, means comprising a milled opening formed in said rotatable disk adapted to receive a milled key for rotating same to actuate said toggle switch, tensioned latch members arranged on said rotatable member locking said key in position when said circuit is closed, and cam means forming part of said housing actuating said latch members.

2,597,970
MUSIC STAND UTILITY CASE
Patrick J. Bollettieri, Pelham, N. Y.
Application April 20, 1949, Serial No. 88,517
1 Claim. (Cl. 312—233)

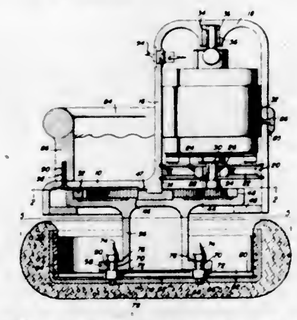
An article of luggage, comprising a front wall, a left side wall carried by said front wall, a right side wall carried by said front wall, a floor member underlying said front, left and right walls and engaging the same, to define thereover a main chamber, left and right side wings engaging the free edges of said left and right side walls pivotally and adapted when in closed positions to cooperate mutually to form a closed rearward wall of said main chamber, and adapted when in extended positions to form individual extensions

for each of said left and right side walls, a top member pivotally engaging an upper edge portion of said front wall and adapted when in closed position to form a ceiling for said main chamber, a music platform hinged at one edge to an inner surface of said top member and adapted, when said top member is in extended position, to extend therefrom and be supported in partly inclined position to display music placed thereon, means carried by said top member for illuminating said music when on said extended music platform, means for locking said top member in



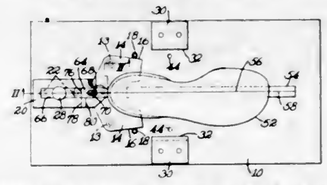
both open and closed positions as desired, said music platform being so constructed and arranged in relation to said top member and said main chamber, that upon movement of said top member to closed position said music platform is automatically retractable inside said main chamber, releasable clamp means inside said main chamber for engaging the free end of said music platform upon retraction thereof and for holding the same against motion therein, said main chamber being adapted to receive articles of the musician for use and storage, and means for locking said top member and side wings together when in closed position.

2,597,971
ROTARY BUFFING AND POLISHING MACHINE
Lee H. Burnham, North Platte, Nebr.
Application March 26, 1948, Serial No. 17,157
9 Claims. (Cl. 15—97)



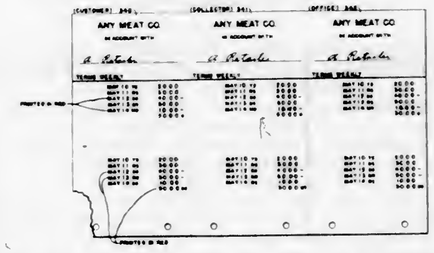
1. A buffing and polishing machine comprising a lower annular housing having an eccentrically disposed opening, an upper casing integrally formed with said housing and extending upwardly therefrom, said casing being disposed about the opening and eccentrically mounted with with respect to said housing, an endless handle disposed concentric of and fixed to the housing and embracing said casing, said handle having a portion secured to the casing for bracing the casing to the housing, a bearing ring mounted in said housing and having an inner surface, a supporting member bearing on the inner surface of said ring for rotation and solely supported by said ring, means mounted in said housing and said casing and operatively connected to said supporting member for driving said supporting member, means mounted in the housing for centering said supporting member relative to the housing, and a surface treating member detachably carried by said supporting member, said housing being open at its lower end with the surface treating member protruding therethrough.

2,597,972
APPARATUS FOR USE IN SCRIBING WIPER BLANKS
Ernest L. Butler, Lynn, and Otis M. Holmes, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 6, 1949, Serial No. 131,468
3 Claims. (Cl. 33—180)



1. Apparatus comprising a base plate for supporting a blank, a pin insertable into a bore in the base plate to locate any one of a plurality of blanks on the base plate, an abutment for determining the orientation of a blank on the base plate, and means for determining the position of any one of a plurality of templates relatively to a blank on the base plate comprising a plate underlying and extending beyond a template positioned thereon, said plate having inscribed thereon an index mark intended to register with a reference mark on a template positioned thereon, and a gage member for determining the position of a template in one direction relatively to a blank on the base plate.

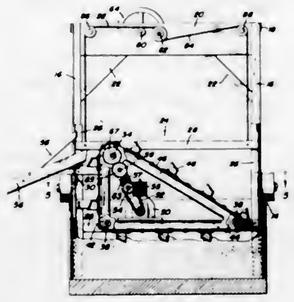
2,597,973
RECORD CONTROLLING MEANS FOR ACCOUNTING MACHINES
Raymond A. Christian, Jesse R. Ganger, and Henry F. Lang, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 2, 1948, Serial No. 36,694
21 Claims. (Cl. 235—60.31)



21. In a machine of the class described, arranged to perform a series of related operations for each transaction, said machine having a

totalizer and actuators therefor, the combination of means including an element shiftable in one direction to engage the totalizer with the actuators and shiftable in another direction to disengage the totalizer from the actuators; means effective in the first of the series of related operations to shift the element in said one direction to engage the totalizer with the actuators, said totalizer arranged to remain in engagement with said actuators during the series of related operations; control elements to select and condition the totalizer for various transactions; means positioned by the control elements to print a symbol identifying the transactions, said printing means constructed and arranged to be returned to a normal position at the end of machine operation; a retaining member connected to the symbol printing means; and means including a pawl operated by the shiftable element during its movement in said one direction and coacting with the retaining member to retain the symbol printing means positioned during the series of related operations.

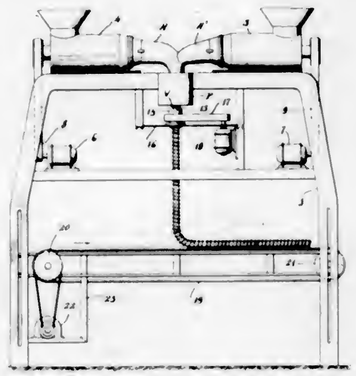
2,597,974
FREIGHT CAR UNLOADING MACHINE
Troy A. Clarke, Greensboro, N. C.
Application September 26, 1949, Serial No. 117,811
6 Claims. (Cl. 214—44)



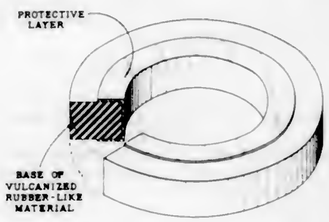
1. An unloader comprising a supporting frame having an open bottom end and having vertical guide rails therein, a carriage slidably mounted on said rails for vertical movement, an endless bucket conveyor rotatably supported on said carriage for rotation in a vertical plane and having a horizontal flight extending beneath said carriage, a discharge spout on said carriage for receiving material discharged by said conveyor, means carried by said frame for adjustably raising or lowering said carriage and conveyor, and means for operating said conveyor.

2,597,975
METHOD OF MANUFACTURING HOSE OF SYNTHETIC THERMOPLASTIC MATERIALS
Roberto Colombo, Turin, Italy
Application February 19, 1948, Serial No. 9,582
In Italy April 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 28, 1964
4 Claims. (Cl. 18—59)

1. The method of manufacturing thermoplastic hose having a helical reinforcement rib made of a thermophastic material having properties different than those of the material of the hose, which comprises producing by extrusion a two layer thermoplastic hose, cutting a helical slit in the outer layer as the composite hose issues from the extrusion die in semi-plastic condition and elongating the composite hose to stretch the inner layer and to space apart the walls of the helical slit.

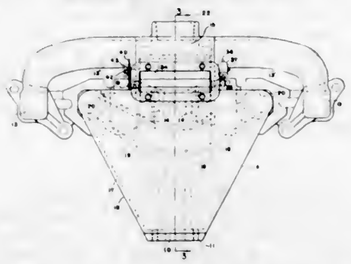


2,597,976
GASKET
Edward Cousins, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application October 11, 1949, Serial No. 120,810
7 Claims. (Cl. 154—43)



1. A gasket element resistant to the swelling and solvent action of liquid hydrocarbon fuel and which retains its flexibility and sealing properties over a temperature of from 200° F. to −70° F., said gasket element comprising an endless body of a vulcanized rubber selected from the group consisting of natural rubber, a mixture of natural rubber with up to an equal amount of polybutadiene, and a polymer resulting from the polymerization of from 100% to 75% by weight of butadiene and from 0% to 25% by weight of styrene, said endless body being covered at least on its entire inner periphery by a continuous layer of a film-forming material which is resistant to the solvent and swelling action of liquid hydrocarbon fuels and selected from the group consisting of nylon, polyalkylene polysulfides, polytetrafluoroethylene, polymonochlortrifluoro ethylene, polyvinyl alcohol, methyl cellulose, and a mixture of nylon with up to an equal amount by weight of a polymer resulting from the polymerization of from 100% to 55% by weight of butadiene and from 0% to 45% by weight of acrylonitrile.

2,597,977
AUTOMATIC HEAT CONTROL FOR ENGINE MANIFOLDS
Einar S. Dahl, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a company of Maryland
Application November 3, 1949, Serial No. 125,237
4 Claims. (Cl. 123—122)



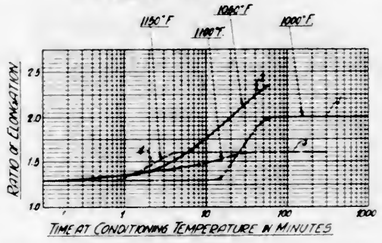
1. A unitary manifold for an internal combustion engine having exhaust outlets and inlets on one side thereof comprising in combination, said manifold having a valve box substantially in its longitudinal center, operating exhaust connections between said valve box and said exhaust outlets, said valve box having an exhaust outlet, a heating chamber extension to said valve box, a fuel passageway extending through said extension chamber and having operating connections to said inlet ports, a valve in said valve box, said exhaust connections to the valve box being on the inlet side of said valve, the valve having yielding means adapted to move it toward a closed position, whereby the opening of said valve will be determined by the exhaust pressure on the inlet side thereof, whereby more or less of the exhaust gases will be diverted through said extension chamber to thereby more or less heat the incoming fuel mixture, another valve positioned on the inlet side of said first valve and in the passageway between the valve box and extension chamber to thereby cooperate with said first valve to determine the percentage of exhaust gases diverted through said extension chamber.

2,597,978
SPARK PLUG
Robert F. Doran, Floral Park, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application July 16, 1948, Serial No. 39,115
5 Claims. (Cl. 123—169)



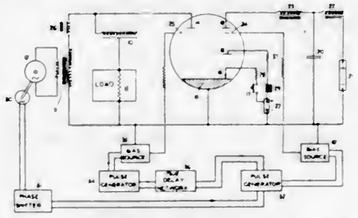
4. A sub-assembly suitable for use in the manufacture of spark plugs by high speed techniques comprising a sparking electrode, a pin having an upset head, a wire connecting said electrode to said pin, a glass sleeve sealed to and surrounding a portion of said pin, and an auxiliary glass sleeve surrounding said wire, said auxiliary glass sleeve also being surrounded by said first mentioned glass sleeve.

2,597,979
RECRYSTALLIZING DEEP-DRAWING STEEL
Falih N. Darmara, New Hartford, N. Y., assignor to United States Steel Company, a corporation of New Jersey
Application December 21, 1949, Serial No. 134,306
5 Claims. (Cl. 148—12)



1. A method of producing an elongated grain structure in aluminum-killed deep-drawing steel comprising cold-reducing the steel at least 35% in thickness, conditioning said steel at a temperature between 1000 and 1100° F. for at least 10 minutes and then continuously annealing it at a temperature above its recrystallizing temperature.

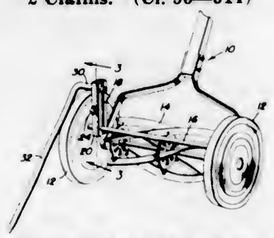
2,597,980
ELECTRIC CIRCUIT COMPRISING ELECTRIC DISCHARGE DEVICE
John McIntyre Ferguson and Clifford Brown, Stafford, England, assignors to The English Electric Company Limited, London, England, a British company
Application December 19, 1949, Serial No. 133,884
In Great Britain December 31, 1948
3 Claims. (Cl. 250—27)



1. An electrical pulse generating circuit comprising an electric discharge tube having a mercury pool cathode, a first anode provided with a first control grid, and a second anode provided with a second control grid; a load, a first capacitance, a path for discharging said first capacitance through said load and through the arc path between said first anode and said cathode by a very heavy current subsisting for a period of the order of microseconds upon the application of a firing pulse to said first control grid; an alternating current source and a step-up transformer arranged to charge said first capacitance; a second capacitance connected in series with an inductance between said second anode

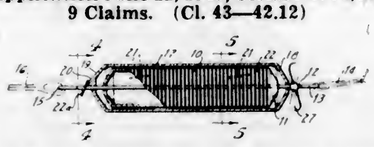
and said cathode, means to charge said second capacitance, means to provide an excitation arc in the tube, and means synchronized with said alternating current source to apply a firing pulse to said second control grid; said inductance and said second capacitance being so proportioned that the heavy current discharge which then flows between said second anode and said cathode forms a substantially sinusoidal half-wave subsisting for a period of the order of hundreds of microseconds, and means to apply a firing pulse to said first control grid at a time within a period of 100 microseconds commencing during said heavy current discharge.

2,597,981
LAWN MOWER ATTACHMENT
Everett D. Fishburn, Argos, Ind.
Application December 12, 1949, Serial No. 132,569
2 Claims. (Cl. 56—314)



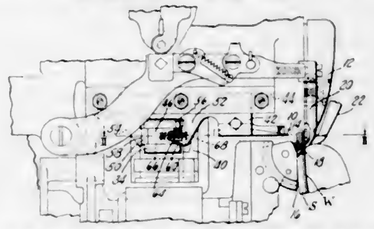
1. An attachment for a lawn mower of the type having a transverse brace rod carried between the ground wheels thereof, comprising a pair of parallel clamping bars, each of said bars having a pair of transverse, parallel notches at opposite ends thereof, the notches of said bars being opposed and defining a pair of spaced parallel clamping recesses between the bars, a bolt extending through one of said bars, between said recesses and threadingly engaging the other bar for urging the bars together, a substantially L-shaped integral deflector having first and second arms, said first arm being adjustably received through one of said recesses and clamped by said bars, said other recess for receiving a brace rod to be clamped by said bars, whereby said first arm may be disposed parallel to a brace rod with the second arm extending forwardly and downwardly from the lawn mower.

2,597,982
FISH LURE
James F. Fitzgerald, Detroit, Mich.
Application June 11, 1949, Serial No. 98,615
9 Claims. (Cl. 43—42.12)



5. A fish lure comprising a shaft, a cylindrical float of transparent material fixedly mounted on said shaft, an outer cylindrical body of transparent material mounted on the shaft for rotation with respect thereto, fins on the outer surface of the outer body to cause its rotation when the lure is pulled through water, the outer body being adapted to slide longitudinally upon said shaft, the rear end of the outer body having an off-center peak, a washer fixedly and axially mounted on the shaft at an angle with respect to the longitudinal axis thereof for engagement with the peak, both the outer body and the float being circumscribed with a plurality of closely spaced stripes, the stripes on the float and on the outer body being evenly spaced from each other, the distance between any two stripes being substantially equal to the width of a single stripe, the number of stripes on the outer body, per unit of length, differing from the number of stripes per the same unit of length on the float, means at the front end of the shaft for attachment to a fish line, means at the rear end of the shaft for the attaching of fish hooks thereto and a spinner axially affixed to the shaft to minimize rotation of the float in the direction opposite to that of the rotation of the outer body.

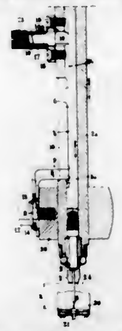
2,597,983
ROUGH ROUNDING MACHINE
James P. Fredericksen, Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 8, 1949, Serial No. 126,155
8 Claims. (Cl. 12—18)



1. In a sole rounding machine having an anvil, and a chopping knife mounted to move with alternate cutting and return strokes into and out of engagement with said anvil respectively, the combination with a carrier for the knife of means for driving said carrier positively during the initial portion of the cutting action of said knife until it is about to engage said anvil, and means for thereafter driving said carrier yieldingly to bring said knife into engagement with said anvil.

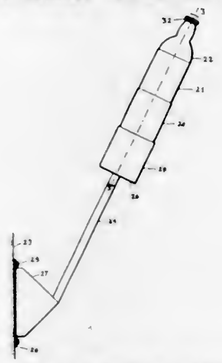
2,597,984
MEANS FOR FIXING HOLLOW RIVETS AND THE LIKE
Jean Gobin dit Daudé, Neuilly-sur-Seine, France
Application February 25, 1948, Serial No. 10,816
In France February 28, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires February 28, 1959
4 Claims. (Cl. 218—15)

1. Spindle motion control arrangement in a riveting machine having a fixed frame, a first and a second riveting tool, said riveting tools being in axial alignment on either side of the riveting plane, means for displacing said first tool toward and away from said riveting plane, a spindle mounted axially in said first tool and means for feeding a rivet into the spindle path for threading said rivet over said spindle when said spindle is moved toward said riveting plane, said spindle being provided according to this spindle motion control arrangement with a shoulder portion and mounted for sliding frictional axial motion in and in relation to said first riveting tool so as to be driven thereby when no resistance is met by said spindle in its driven movement and held against motion when said driven movement is opposed, whereby said first riveting tool will continue its movement alone and thus slide axially along said spindle, said spindle control arrangement comprising an adjustable stop member fast with said fixed frame, said shoulder portion of said spindle abutting against said adjustable stop member during the movement of said first riveting tool toward said riveting plane so as to hold said spindle against motion at a predetermined stop-point while said



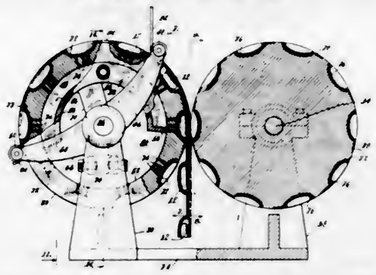
first riveting tool will complete its movement toward said riveting plane and approach to said second riveting tool, thus performing the riveting step proper, said predetermined spindle stop-point being placed at will in relation to the riveting plane by adjusting said adjustable stop member.

2,597,985
ADVERTISING MACHINE
Mircea Grossu, Youngstown, Ohio
Application March 3, 1950, Serial No. 147,341
10 Claims. (Cl. 40—126)



1. An advertising machine including a container open at one end, means for attaching the container to a support, a movable sign unit comprising a plurality of sign elements of a size to be disposed within the container and movable outwardly therefrom in succession to a displaying position extending one beyond another in continuous formation to jointly form a sign, a rail slidably supported to extend longitudinally of the sign elements interiorly of and downwardly from the container and connected at its upper end to one of said sign elements, and mechanism for periodically rapidly projecting said sign elements from the container and for the retraction of the same therewithin, said mechanism comprising a driving means including an oscillating lever having a relatively short power stroke in one direction, and transmission means between said lever and said rail whereby the power stroke of the said lever transmitted to the rail is amplified.

2,597,986
METHOD FOR MAKING CONTAINERS
Richard L. Halstead, Detroit, Mich., assignor to R. P. Scherer Corporation, Detroit, Mich., a corporation of Michigan
Application April 10, 1950, Serial No. 155,072
3 Claims. (Cl. 18—86)



1. A method for making a container comprising a filled fragile capsule and two sheets of flexible material disposed one at each side of said capsule and having their opposed margins bonded together except over a small area defining a dispensing aperture, said method comprising providing a filled fragile capsule and flexible sheet material, disposing said capsule between two bands of said sheet material, bonding said two bands of said sheet material together all around said capsule to define a sealed space around said capsule, said space being formed with a constricted end extending lengthwise of said bonded-together bands, and subsequently cutting said two bands along a transverse line extending across said constriction to sever the resulting container from said bands and to define a dispensing aperture for said container.

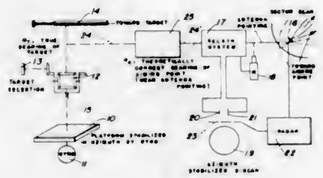
2,597,987
HEAT AND LIGHT STABILIZED VINYL RESINS AND COMPOSITIONS THEREOF
James Harding, Bound Brook, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 24, 1950, Serial No. 151,827
7 Claims. (Cl. 260—45.7)

1. Resinous composition comprising a vinyl chloride resin having a refractive index value between 1.51 and 1.53 and dispersed in said resin as a heat-stabilizer therefor a hydrocarbon tin salt of a carboxylic acid, and as a light-stabilizer therefor a salt of magnesium having a refractive index between 1.50 and 1.54 and selected from the group consisting of the phosphates, carbonates and silicates.

2,597,988
PRODUCTION OF THIOCARBAMYL THIAZYL MONOSULFIDES
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application May 6, 1950, Serial No. 160,591
6 Claims. (Cl. 260—306.6)

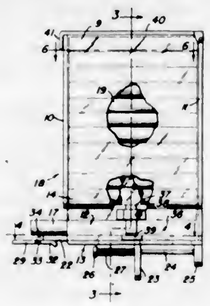
1. A method for the preparation of a thiocarbamyl thiazyl monosulfide which comprises reacting a symmetrical dithiazyl disulfide, a water-soluble metal salt of a dithiocarbamic acid, and an alkali metal cyanide and separating the monosulfide from the reaction mixture.

2,597,989
MECHANICAL ATTACHMENT FOR AZIMUTH OFFSET BOMBING
Byron L. Havens, New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application October 7, 1947, Serial No. 778,441
4 Claims. (Cl. 343—5)



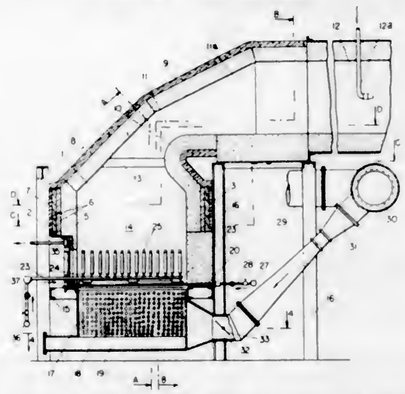
4. In a bombing system for maintaining a collision course between a moving aircraft and a stationary target by tracking with radar a stationary aiming point, comprising a radar antenna, means on said aircraft for establishing and maintaining a line of sight to said target irrespective of the heading of said aircraft, means for generating an angle equal to the difference in bearing from said aircraft to said target and aiming point, and means for adding an angle equal to this difference in bearing to the angle between the heading of said aircraft and line of sight for establishing a mean axis of scan for said antenna.

2,597,990
AUTOMOBILE CIGARETTE CASE
Jacob J. Hellman, Atlanta, Ga.
Application November 7, 1949, Serial No. 125,949
2 Claims. (Cl. 312—47)



1. A cigarette holding and dispensing container comprising a case having a receiver, a slide plate mounted for operation in said receiver, said case being provided at one end of the receiver with a cigarette discharge opening, the adjacent end of said ejector plate being extensible and retractable in relation to said discharge opening, means for projecting and retracting said plate, and a gravity openable closing plate for said discharge opening, said plate being bifurcated at one end, the furcations thus provided being pivotally mounted on the extensible end of said plate, said furcations constituting plate closing fingers when forcibly brought into end thrust fulcruming contact with the coacting end of said receiver.

2,597,991
CARBON BLACK MANUFACTURE
George L. Heller, Monroe, La., assignor to Columbian Carbon Company
Application July 3, 1948, Serial No. 37,023
3 Claims. (Cl. 23—209.8)

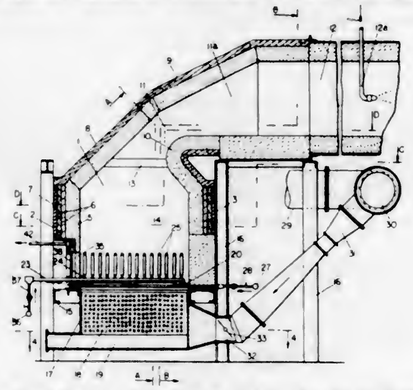


1. The process for the production of carbon black by the partial combustion of hydrocarbons which comprises heating the hydrocarbon to a conversion temperature in excess of 1400° F., but not substantially higher than 2400° F., by flowing it in gaseous form out of contact with oxygen upwardly as a plurality of confined streams of a diameter within the range of $\frac{3}{32}$ inch to 1 inch through the lower portion of a highly heated furnace chamber, uniformly spaced over the transverse area of the chamber and spaced apart a distance between centers equal to 3.4 to 8.25 times the diameter of the respective streams, slowly flowing air upwardly around, but out of contact with, the gas streams at a velocity in excess of 3 feet per second and without substantial turbulence in an amount sufficient to effect only partial combustion of the gaseous hydrocarbon and effecting a partial pyrolysis and partial combustion of the resultant hydrocarbon by flowing the preheated gas streams upwardly in contact with the rising current of air at an initial velocity not less than 12 times the velocity of the rising air current, while preserving the integrity and stability of the respective gas streams, and thereafter completely diffusing the gas streams in the furnace atmosphere, thereby forming carbon particles in gaseous suspension, passing the resultant carbon particles from the furnace chamber in suspension in effluent furnace gases and cooling and collecting the resultant carbon black.

2,597,992
APPARATUS FOR PRODUCTION OF CARBON BLACK
George L. Heller, Monroe, La., assignor to Columbian Carbon Company
Application July 3, 1948, Serial No. 37,024
2 Claims. (Cl. 23—259.5)

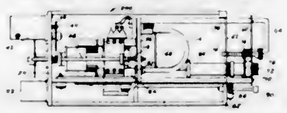
1. Apparatus for producing furnace carbons comprising a vertically elongated, relatively narrow, unobstructed furnace chamber, a plurality of vertically positioned, readily interchangeable burner tubes arranged in a uniform pattern over the entire transverse area of the chamber at a zone intermediate the height thereof, said tubes having an inside diameter of $\frac{3}{32}$ inch to 1 inch and being spaced between centers 3.4 to 8.5 times their inside diameters, the space between the

tubes being substantially unobstructed, conduit means for supplying a gaseous hydrocarbon to the lower ends of the respective tubes, conduit means for supplying air to the lower end of the furnace chamber, air distributing means extending across the lower end of the furnace chamber for distributing air uniformly over the transverse area of the chamber and consisting of at least one upwardly inclined perforated surface positioned



in the lower end of the furnace chamber directly beneath the burner assembly but above the inlet from the air supply conduit, at an angle such that solid particles dropping from the furnace chamber will not accumulate thereon, an outlet for furnace gases at the upper end of the furnace chamber, the chamber being confined by heat refractory walls so constructed that the tubes are subjected to intense radiant heat from the latter.

2,597,993
TUNABLE PLUG-IN ASSEMBLY FOR HIGH-FREQUENCY OSCILLATORS
Julius M. Hetland, Fargo, N. Dak., assignor to the United States of America as represented by the Secretary of the Navy
Application October 31, 1945, Serial No. 625,885
11 Claims. (Cl. 250—40)



1. The combination of an inductor assembly comprising an inductor and a variable capacitor including means for varying the range of capacitance values derivable from said capacitor, said assembly including detachable electrical connections between said inductor and said capacitor, and also including means responsive to connection of said inductor to said capacitor for automatically adjusting said range-varying means, whereby said capacitor determines a selected frequency range.

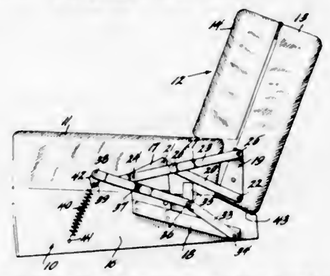
2,597,994
MACHINE FOR MAKING FLUTED CONTAINERS
Roderick W. Hoag, Melrose, Mass.
Application June 24, 1948, Serial No. 34,986
2 Claims. (Cl. 53—89)

1. A machine for making a succession of filled, commodity container units; comprising, means for advancing a web of flexible, single faced, transversely corrugated material, crimp-sealing wheels to close tight the ends of the flutes of the corrugations along one margin of the web; a dispensing hopper, having a delivery opening, for containing a supply of the commodity to be packaged; means to guide the web with the flutes in vertical position with the free ends of the flutes positioned upwardly to pass under the delivery



opening of the hopper; crimp-sealing wheels for closing tight the ends of the filled flutes along the top margin of the web; a knife positioned to engage the traveling web and cut across the crown of each corrugation to provide a weakened point so that the package may be easily broken for dispensing the contents of the flutes; and means for transversely severing the flutes from the web to provide individual container units.

2,597,995
COMBINATION SOFA AND BED
Merl C. Jenkins, Lakeland, Fla., assignor to Lodwick Aircraft Industries, Inc., Lakeland, Fla., a corporation of Florida
Application November 2, 1949, Serial No. 125,059
7 Claims. (Cl. 5—45)



1. In adjustable furniture of the type including a base portion and seat and back-rest portions operatively connected to said base portion and adapted to be adjusted into horizontal alignment to form a bed, a linkage connecting said base, seat and back-rest portions and comprising a link and a lever pivoted at separate locations on said base portion and on said back-rest portion, said lever extending beyond the point of pivoting thereof on said base portion, a second lever pivoted on said base portion, means slidably connecting said second lever and said extension, a second link connecting the free end of said second lever to said seat portion, and a third link pivoted on said base portion and on said seat portion.

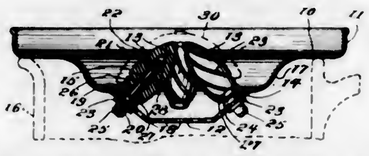
2,597,996
NONSOLVENT ADHESIVE
Ralph Albert Johnson, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, a corporation of Pennsylvania
No Drawing. Application June 14, 1949, Serial No. 99,111
2 Claims. (Cl. 260—28.5)

2. An adhesive for assembling rigid non-load bearing insulative materials and characterized by its permanent masticity, vapor tightness and resistance to cold flow at normal room tempera-

tures consisting of the following in parts by weight:

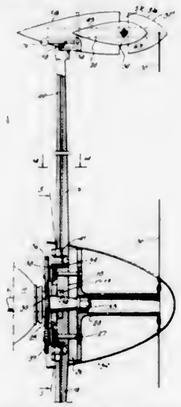
Asphalt	4 to 6
Coumarone-indene resin	6 to 4
Microcrystalline wax	1½ to 1
40% chlorinated paraffin wax	7 to 2

2,597,997
ORANGE JUICE EXTRACTOR
Theodore Woolsey Johnson, Jr., Annapolis, Md.
Application July 3, 1950, Serial No. 171,837
3 Claims. (Cl. 146—3)



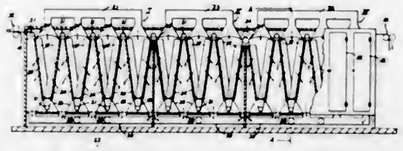
3. In a fruit juicer, the combination, which comprises, a tray having a downwardly dished central portion with perforations in the center thereof, a plurality of angularly disposed radially and inwardly extending spindles mounted in the central portion of said tray with the upper ends thereof converging toward the center of the tray, a plurality of fluted conical-shaped juice removing elements rotatably mounted on said spindles so as to be contiguous and to form a cluster which acts as a unit to extract the juice from a single fruit half, and balls in the juice removing elements at the upper ends of the spindles.

2,597,998
AIRPLANE PROPELLER
Heinz Josef Kammandel, Woodside, N. Y.
Application April 20, 1948, Serial No. 22,132
25 Claims. (Cl. 170—135.21)



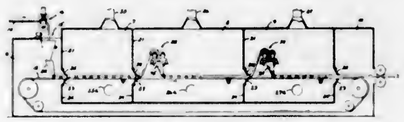
2. An aeroplane propeller comprising a frame including a hub provided with means for mounting the propeller on a power shaft, four spokes extending radially from the hub and disposed in pairs 180 degrees apart to form a cross with the axis of rotation at the center of the cross, four aerofoils shafts, one for each of the spokes and extending in all positions at right angles to the axis of the propeller, four aerofoils, one carried by each of the aerofoils shafts and disposed with the shaft in advance of the loci of vertical air pressures on the aerofoil, rockable about the axis of its associated shaft and resilient means tending to secure the aerofoil to turn with its associated shaft, a planetary gear train including a central stationary gear concentric with the axis of the propeller and four driving connections, one carried by each spoke and each comprising a floating gear riding on the stationary gear, a pair of intergeared shafts extending at right angles to each other, with one shaft extending along a spoke and in driving relation with the associated floating gear and the other shaft extending horizontally and provided with a revolving and rotating casing in which the associated aerofoil shaft is journalled, and said driving connection tending to maintain the aerofoils horizontal in all their rotary positions and each aerofoil capable of being rocked by unbalanced air pressures on their upper and lower surfaces against the resistance of said resilient means.

2,597,999
STRAND BUNDLE DRIER AND CONDITIONER
Wallace A. Knopp, Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 7, 1948, Serial No. 19,452
12 Claims. (Cl. 34—12)



8. In a method of treating a running continuous bundle of filamentary material, the steps comprising drying the bundle to a desired moisture content, passing the bundle over supporting surfaces spaced lengthwise along a path for the bundle under tension to flatten the bundle, and passing a transverse current of a gaseous medium toward a flattened surface of, and then through, a portion of the bundle passing between supporting surfaces to laterally distend and open the filamentary material thereof.

2,598,000
MULTIPLE STAGE TOW DRYING
Wallace A. Knopp, Parkersburg, and Thomas L. Nash, South Parkersburg, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application June 2, 1950, Serial No. 165,625
16 Claims. (Cl. 34—23)



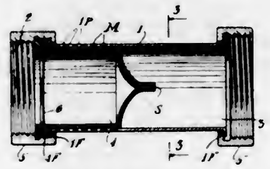
1. A method of drying a bulky filamentary running strand comprising the steps of pressing the strand into a flat band, continuously carrying the flattened strand while supported in a narrow zig-zag pattern through a drying region from a feed region, the width of said zig-zag pattern being restricted to that which produces substantial self-support of the strand on an edge thereof.

2,598,001
ROCKET LAUNCHER
Georges Kunz, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application July 19, 1948, Serial No. 39,458
8 Claims. (Cl. 89—1.7)



1. A rocket launcher having a firing tube, a magazine in communication with the firing tube for storing a series of rockets in readiness for firing, means exerting a continuous push on the trailing rocket to tend to displace the rocket series out of the magazine into the firing tube, transfer means operatively associated with the leading rocket and having a piston connected thereto for its forward operation, back-stroke operating means also connected to the transfer means, electrically operative fluid pressure control means for delivering pressure fluid to the cylinder to impart periodic forward power strokes to the piston and its transfer means thereby to cause it to release successive leading rockets, and a control in the firing tube for the electrical portion of the electrically operative fluid pressure control means, being self-closed in the absence of a rocket from the firing tube to cause said power strokes and being openable by succeeding rockets when occupying the firing tube to leave the transfer means free for operation of said back stroke means.

2,598,002
CHECK VALVE CONSTRUCTION
Jesse D. Langdon, Long Beach, Calif.
Application August 20, 1946, Serial No. 691,761
5 Claims. (Cl. 251—122)



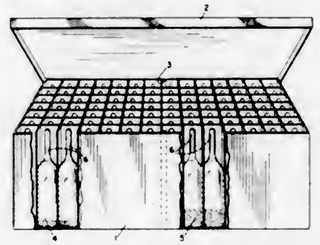
5. A valve construction combining a tubular casing having an inlet and outlet and a relatively fine meshed sieve-like wall portion intermediate of said inlet and outlet and forming vent means communicating between the inside and outside of the casing, a sleeve member with an imperforate wall made of deformable material inserted in said casing and overlying the meshed portion, said sleeve member having one end secured to the inlet end of said casing and associated with pressure sealing means adapted to hold said casing and said sleeve in pressure sealed operative position with a source of pressure fluid supply, the outlet end of said sleeve being closed and slit to permit the passage of pressure fluid, said sieve-like portion of said casing forming the wall surrounding and supporting the imperforate portion of the sleeve above the closed end against being forced thru said vent means under the effects of internal pressure, said deformable sleeve member capable of collapsing to close the slit end under the effects of external pressure when a lesser state of pressure exists internally of said sleeve permitting an external pressure medium to enter said casing the openings of the sieve-like portion of the casing wall being smaller in diameter than the wall thickness of the deformable sleeve member.

2,598,003
BREAST PAD STRUCTURE
Arnold G. Leo and Theodore B. Tinker, New York, N. Y.
Application June 29, 1950, Serial No. 171,150
5 Claims. (Cl. 2—42)



1. A breast pad structure for use in a brassière cup comprising a fluid-inflated body made of plastic sheet material and having a relatively thin front wall and rear wall, each wall terminating in a circumferential edge, said walls being bonded to and upon each other along the circumferential edges thereof to thereby provide a reinforced end rim, said rear wall being relatively stiff and preshaped to extend forwardly of said rim, said front wall extending from said rim and being spaced from the latter and forwardly of the rear wall, said front wall being movable relative to said rear wall, said rim being shaped in outward direction beyond the remainder of said walls for engagement within the cup of a brassière to maintain said cup in substantially taut condition.

2,598,004
STABILIZED TETRATHIODILACTIC AND TETRATHIODIGLYCOLLIC ACID PHARMACEUTICAL
Leon Libenson, Flemington, N. J.
Application August 31, 1949, Serial No. 113,410
8 Claims. (Cl. 167—65)

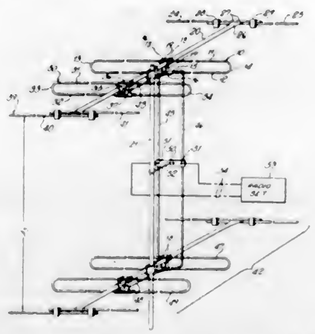


7. A pharmaceutical which consists essentially of at least one anhydrous tetrathio acid selected from the group consisting of tetrathiodiglycollic acid and tetrathiodilactic acid and at least one phosphate selected from the group consisting of diammonium phosphate and di-alkali metal phosphates, the proportion of phosphate and tetrathio acid being such as to form a solution having a pH value of about seven.

2,598,005
HIGH-GAIN DIRECTIONALIZED ANTENNA
Kendrick H. Lippitt, Earlville, N. Y., assignor to Technical Appliance Corporation, Sherburne, N. Y., a corporation of New York
Application January 13, 1950, Serial No. 138,356
1 Claim. (Cl. 250—33.57)

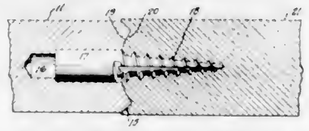
In an antenna array of the Yagi type, the combination of a main antenna element, a par-

asitic reflector element, a series of director elements, and a feeder line connected in parallel to said main element to the first director element which is ahead of said main element, said first director element having a physical length substantially the same as the length of the main element



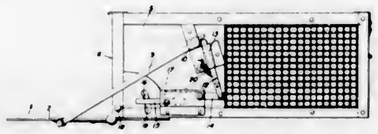
and spaced therefrom a distance substantially less than one-quarter wavelength at the operating frequency of the array, said main element and said first director element being in the form of folded dipoles having their gapped central sections connected in parallel to said feeder line.

2,598,006
HOLDER FOR CARBONS USED IN PROJECTING MACHINES
John E. Marr, Salem, Oreg., assignor to Leo D. Reimann, Salem, Oreg.
Application October 22, 1949, Serial No. 122,874
1 Claim. (Cl. 313—335)



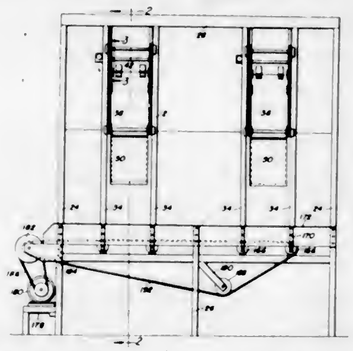
A carbon holder for use in picture projecting machines comprising a metal rod of slightly less diameter than that of the carbon to be held and having a cupped end and having a self-tapping screw projecting from said cupped end along its axis, the outer edge of said cupped end being bevelled to form a sharp edge around the outer rim of said cup.

2,598,007
ANIMAL TRAP
Thomas E. McCormick, Florence, Ala.
Application July 24, 1950, Serial No. 175,627
1 Claim. (Cl. 43—61)



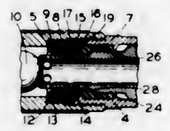
A trap comprising an elongated cage having an entrance opening in one end, a spring closed door for the opening, an animal actuated platform pivotally mounted in the cage, a metallic plate on one side of the cage, said plate having an arcuate slot therein, integral guides mounted on the plate at substantially right angles to each other, a holding bar pivotally connected to the door and slidable in one of the guides and having a notch in its free end portion, a trip bar slidable in the other guide and engageable in the notch for releasably securing the door in open position, a lateral pin on the platform operable in the slot, a trip lever pivotally mounted on the plate and operable by the pin, a second trip lever on the plate operatively connecting the first named lever to the trip bar, and a spring yieldingly engaging said trip bar in the notch of the door holding bar.

2,598,008
REMOTE CONTROLLED SHOOTING GALLERY
Joseph A. McKenzie, Rapid City, S. Dak.
Application August 14, 1950, Serial No. 179,291
11 Claims. (Cl. 273—105.6)



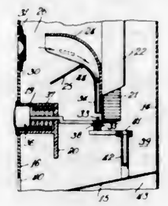
1. A target feed mechanism comprising a target rack means, a plurality of target holders in said rack means and holding a plurality of individual targets, selectively actuatable means for feeding one of said target holders from said rack to a second position, stop means at said second position on said rack for retaining said holders in said second position, an endless target carrier means, means supporting said endless carrier means for free movement, said endless carrier means being engageable with said stop means for disengaging said holders from said second position and being adapted to receive said holders to hold the targets in firing position.

2,598,009
VALVED PIPE COUPLING
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application March 25, 1950, Serial No. 151,847
5 Claims. (Cl. 284—19)



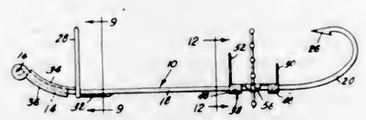
4. In a coupling of the type described, a female member, a valve and a resilient annular seat therefor in the member, a compressed spring supported within the member and bearing against the valve, a male part engaged in said member and holding the valve away from the seat in opposition to the spring, a valve seat retaining ring generally cylindrical in form, an outwardly flaring flange on the forward end of the seat, a rearwardly facing shoulder in the member between which and the forward edge of the ring the flange is held, the valve seat having a cylindrical portion extending rearwardly in adjoining relation to the inner cylindrical portion of the retaining ring, an inwardly extending flange on the rear end of the retaining ring with its edge turned forwardly, over, and in retaining relation to the rearward end of the cylindrical portion of the seat, and a ferrule threaded into and forming a part of the member, the forward end of the ferrule abutting the rearward end of the ring to hold the ring and seat in place.

2,598,010
ENTRANCE FOR CHUTES OF COIN-OPERATED DEVICES
John B. Pillatsch, Aurora, Ill., assignor to Silver-King Corp., a corporation of Illinois
Application April 26, 1950, Serial No. 158,122
3 Claims. (Cl. 194—1)



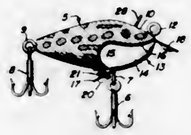
2. A coin plate for coin-operated machines, said plate having a coin slot therethrough, and a pair of helical springs positioned transversely to the slot along the inner face of the plate and having a portion of each spring lying within the path of coins passed through the slot whereby the springs are tensioned when a coin of appropriate size passes between them.

2,598,011
SHRIMP AND MINNOW ADAPTER FISH LURE
Guillius J. Pitre, New Orleans, La.
Application November 7, 1949, Serial No. 125,969
11 Claims. (Cl. 43—44.8)



1. A live bait holder comprising a rod having a line-receiving eyelet formed at one end, offset integral branches formed at the opposite end, said branches extending upwardly and inwardly and terminating in barbs, a plate slidably mounted on said rod, an impaling pin extending upwardly from the plate, said plate having arms extending laterally therefrom in substantially opposite directions adjacent the pin with the ends of the arms provided with longitudinal slots, a resilient band, stops on said band, said band encircling a bait disposed between the branches and resting on the body with the stops anchored in the slots in the arms, said band coacting with said pin in retaining the bait on said plate.

2,598,012
ARTIFICIAL FISH LURE
Ernest A. Prieur, Flint, Mich.
Application December 5, 1949, Serial No. 131,112
12 Claims. (Cl. 43—42.47)



1. An artificial fish lure comprising a buoyant body shaped to represent and simulate a small fish, said body having a bare frontal portion minus the usual lower jaw portion and gill portions and having inclined forwardly converging upper front and lower front plane surfaces, an elongated concavo-convex member shaped to simulate and provide the lower jaw portion and gill portions of the fish, said member including a longitudinally extending mid-portion, between the side portions thereof, underlying and being at all times spaced from the coacting front plane surface, and hinge means attaching the rear end of said mid-portion to the coacting portion of said body, the fulcruming point of said mid-portion being on a plane below the lowermost plane of the ventral portion of said body.

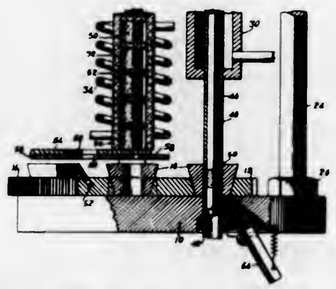
2,598,013
METHOD OF PRODUCING SULFONYL HALIDES FROM SULFENYL HALIDES
Wayne A. Proell, Chicago, Ill., and Wilbur B. Chilcote, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 26, 1950, Serial No. 176,063
10 Claims. (Cl. 260—543)

1. In a process for the oxidation of a non-tertiary saturated hydrocarbon sulfenyl halide having the general formula RSX wherein R is a non-tertiary hydrocarbon radical and X is selected from the class consisting of chlorine and bromine, said sulfenyl halide having a purity of at least 90 percent by weight, with a gas containing free oxygen and a catalytic quantity of NO_2, said quantity being between about 0.05 and about 0.5 part by weight per part by weight of said oxygen, at a temperature between about —20° C. and about 30° C. under substantially anhydrous conditions, in which process an induction period occurs before the onset of active oxidation, the improvement of substantially reducing said induction period which comprises adding to said sulfenyl halide between about ½ and about 20 percent by weight thereof of a primer consisting essentially of a partially oxidized non-tertiary saturated hydrocarbon sulfenyl halide containing between about 2 and about 50 percent of the oxygen theoretically required to convert the entire sulfenyl halide content of said primer to the corresponding sulfonyl halide.

2,598,014
CONVERSION OF HYDROCARBON DISULFIDES TO SULFONYL CHLORIDES
Wayne A. Proell, Chicago, Ill., and Wilbur B. Chilcote and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 26, 1950, Serial No. 176,064
10 Claims. (Cl. 260—543)

1. A process for the preparation of a hydrocarbon sulfonyl chloride, which process comprises simultaneously contacting a non-tertiary hydrocarbon disulfide, chlorine and oxygen under substantially anhydrous conditions in the presence of a catalytic proportion of NO_2 at a reaction temperature between about −20° C. and about 50° C. under pressure sufficient to maintain a liquid phase of said hydrocarbon disulfide.

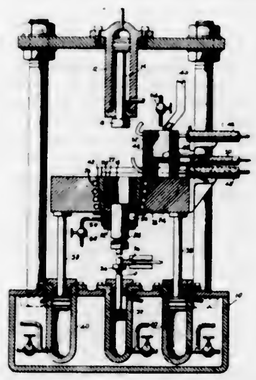
2,598,015
APPARATUS FOR HOT PRESSING POWDERED METALS
Lloyd D. Richardson, Sr., Spring Valley, Ohio, assignor to H-P-M Development Corporation, Mount Gilead, Ohio, a corporation of Delaware
Substituted for application Serial No. 622,743, October 17, 1945. This application April 17, 1950, Serial No. 156,418
5 Claims. (Cl. 219—3)



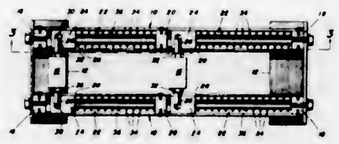
3. In an apparatus for hot pressing compacts of powdered metal into workpieces and having a pressing station; means for supplying hot compacts to said pressing station, comprising a sleeve of electrically non-conductive material adapted for passing said compacts; electrically non-conductive spacer members within said sleeve between said compacts; an induction coil for progressively heating said compacts to sintering temperature within said sleeve; and means for ejecting said spacer members while feeding said compacts one at a time to said pressing station.

2,598,016
APPARATUS FOR HOT PRESSING POWDERED METALS
Lloyd D. Richardson, Sr., Spring Valley, Ohio, assignor to H-P-M Development Corporation, Mount Gilead, Ohio, a corporation of Delaware
Substituted for application Serial No. 619,656, October 1, 1945. This application April 17, 1950, Serial No. 156,420
6 Claims. (Cl. 219—3)

3. In an apparatus for forming workpieces from powdered metals; a die; means yieldably supporting said die; a heating chamber carried by said supporting means and including a cavity, a member to support the material to be heated in said cavity, and an induction coil, said induction coil being adapted for heating material in the cavity of said heating chamber to sintering temperature; means for moving said heating chamber into alignment with said die and for moving said member out of its material-supporting position for transferring the heated material from said cavity to said die; and pressing plungers operable to compact the heated material within said die and to eject the finished workpiece therefrom.



2,598,017
GUN RECOIL ABSORBING MECHANISM
Gaynor O. Rockwell, New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy
Application July 18, 1945, Serial No. 605,649
1 Claim. (Cl. 89—44)

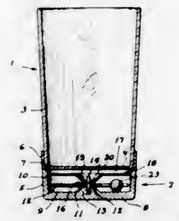


A gun recoil absorbing mechanism comprising a base member having longitudinally spaced, parallel upstanding flanges in confronting relationship, a pair of single tubes, laterally spaced, parallel to each other and spanning the distance between the flanges, said tubes having slots in matching positions across the intertube space, a pair of the slots being adjacent to one of the flanges, a second pair of the slots being situated substantially midway of the length of the tubes, a set of three plugs fitted in each of the tubes, the front and rear plugs of each set being fastened to the flanges and having the tubes secured thereto, the third plug of each set being substantially centralized in each tube and secured thereto near the substantially midway slots so as to segregate the pairs of slots to the chamber into which the tubes are thus divided, blocks slidable in the chambers and having connectors emerging at the slots and spanning the intertube space, and shock absorbing means occupying each of the chambers, corresponding ends of all of said means abutting the respective slidable blocks, the remaining ends of one set of said means abutting the said third plugs and the remaining ends of the other set of said means abutting the rear plugs.

2,598,018
SPONGE RUBBER AND METHOD OF MAKING SAME
Thomas H. Rogers, Jr., Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application May 12, 1950, Serial No. 161,730
12 Claims. (Cl. 260—723)

1. The method of making a frothed rubber latex sponge which comprises gelling a frothed rubber latex in the presence of an alkali metal salt of hydrofluosilicic acid as a gellant in amount sufficient to gel the frothed latex and of a small amount of a water-soluble salt resulting from the reaction of guanidine and an acid selected from the group consisting of mineral and carboxylic acids whereby collapse of the surface cells of the frothed latex is inhibited during gelation, vulcanizing the gelled latex and recovering the frothed rubber latex sponge.

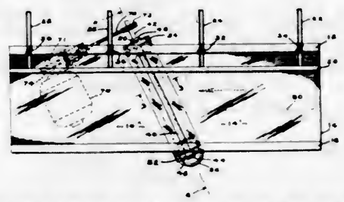
2,598,019
DISPLAY DEVICE
Daniel Rosenthal, Brooklyn, and Richard W. Adler, New York, N. Y., and Jerome Nathan, Ridgefield, N. J.; said Adler and said Nathan assignors to said Rosenthal
Application April 27, 1949, Serial No. 89,862
7 Claims. (Cl. 46—116)



1. In a device of the character described, a mounting member including a base portion and a receiving portion, said receiving portion being formed to receive a drinking glass therein, said base portion being formed with a bottom and with a transparent cover in spaced relation with respect to said bottom thereby forming a chamber between said bottom and said cover, pivotal mounting means in said chamber and extending from said bottom to said transparent cover, a display element mounted in said chamber on said pivotal mounting means and formed with a pair of extremities extending substantially to the periphery of said chamber, and a roller element confined within said chamber, said roller element being received between said extremities.

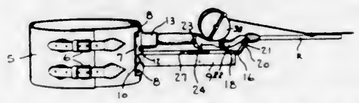
2,598,020
SURFACE GRINDER
Harry T. Rutherford, Baltimore, Md.
Application September 20, 1949, Serial No. 116,654
1 Claim. (Cl. 51—102)

In a machine for grinding engine heads and the like, the combination of an elongated table having an upper surface and a narrow diagonal opening extending therethrough, the upper surface of the table being formed in an upper and lower portion extending outwardly from each side of the diagonal opening and fixedly secured in two horizontally spaced parallel planes, the difference in height of the upper surfaces of the two portions being not greater than .002 of an inch, a single high speed cylindrical grinding element of relatively small diameter mounted within the diagonal opening of the table having its axis parallel with the upper surface thereof and adapted to have its upper portion rotated in the direction of the lower portion of the table, the grinding element having a supporting shaft extending entirely throughout the cylindrical axis of the grinding element, a bearing at each



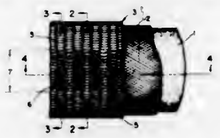
end of the diagonal slot to receive the said shaft, vertically fixed guideways extending downwardly from the table for slidably receiving the bearings, means located beneath the table and extending between the bearings for simultaneously adjusting both the bearing relatively to their respective guideways and means mounted on the said shaft for rotating the said grinding element, all substantially as shown and described.

2,598,021
FISHING POLE HOLDER
Edward W. Schwanke, Sheboygan, Wis.
Application August 10, 1949, Serial No. 109,472
3 Claims. (Cl. 224—5)



1. Apparatus for enabling a one arm fisherman to cast with a casting rod having a handle provided with a reel seat and a forwardly facing finger grip comprising a mounting support, a rod support mounted on said mounting support having an upstanding notched arm to engage the rod handle in front of the reel seat, a compression spring mounted on said mounting support above said rod support and engageable with the butt end of the handle, said rod support having an adjustable rearwardly facing stop portion engageable with the forwardly facing finger grip of the handle to hold the same, against the compression pressure of said spring, against lengthwise movement relative to said handle.

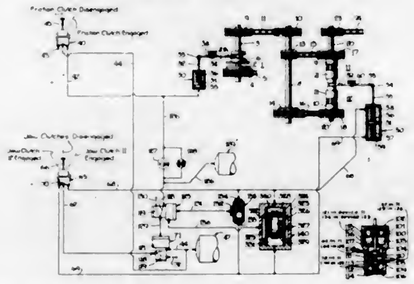
2,598,022
FIRE HOSE
Thomas G. Smith, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application May 10, 1946, Serial No. 668,844
10 Claims. (Cl. 138—53)



1. A hose comprising a flexible tubular portion, and a cover for said portion comprising weft

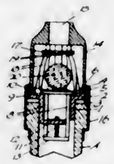
cords and warp cords, the alternate warp cords in at least a section of said cover being of different diameters to increase the flexibility of that portion of the cover.

2,598,023
FLUID PRESSURE MULTIPLE CLUTCH CONTROL EQUIPMENT
Roy R. Stevens, Forest Hills, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application August 12, 1949, Serial No. 109,925
9 Claims. (Cl. 60—97)



3. A control system for one fluid pressure actuator and a pair of fluid pressure actuators selectively cooperative with said one fluid pressure actuator comprising, control means for selectively effecting operation of each of said actuators, and means operative when said one fluid pressure actuator is operated to prevent operation of either of said pair of fluid pressure actuators upon operation of said control means to effect termination of operation of either of said pair of fluid pressure actuators and operation of the other.

2,598,024
SEAL FOR NONREFILLABLE BOTTLES
José Torres Véliz, Habana, Cuba
Application December 29, 1949, Serial No. 135,632
2 Claims. (Cl. 215—20)

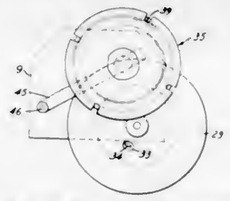


1. A seal for non-refillable bottles comprising a hollow cylindrical body having an outlet at one end thereof, a tubular valve guide having a radial flange abutting against the other end of the body, the guide extending from the body, a valve member slidable in said guide and adapted to seat on the inner periphery of the flange, a cage member mounted on the flange around the valve seat and extending toward the body outlet, said member comprising a disk portion and a plurality of circumferentially spaced legs supporting the disk portion on the flange, the legs being tapered away from the disk to define an inner frusto-conical space between the disk portion, the valve and the legs, a sphere of buoyant material loosely enclosed within the frusto-conical space, and inviolable means for connecting the body to a bottle-neck with the guide extending inside the neck.

2,598,025
THERMOCHEMICAL CUTTING AND SCARFING POWDER
Robert L. Wagner, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Original application March 24, 1945, Serial No. 584,715. Divided and this application August 5, 1948, Serial No. 42,654
2 Claims. (Cl. 44—3)

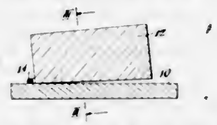
1. An unbonded flowable thermochemical cutting and scarfing adjuvant powder containing between 80% and 95% metallic iron, carbon less than 0.20%, and the balance oxides of iron and silicon and other impurities, said other impurities being present in amount less than 1%, said powder being sufficiently fine that substantially all of it passes through a 100 mesh screen and 70 to 74% of it passes through a 200 mesh screen.

2,598,026
PHONOGRAPH HAVING SPEAKER PICKUP UNIT
Jesse J. Warner, Los Angeles, Calif.
Application September 23, 1949, Serial No. 117,317
17 Claims. (Cl. 274—9)



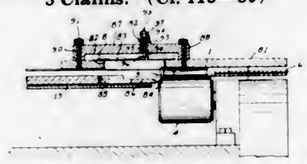
1. A speaker-pickup unit comprising a rigid dish having a peripheral rim and a centrally located opening, a flexible diaphragm secured at its periphery to said rim, a pickup needle extending through said opening and directly attached to said diaphragm, and means for supporting said dish, said means comprising a flexible, resilient strip attached to the side of the dish opposite the diaphragm and having an opening therein correlated with the opening through the dish through which the needle extends, and a support for said unit, said strip being fastened to said support at a position remote from the dish.

2,598,027
METHOD OF FUSION JOINING
James Weir and Charles H. Dulin, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 18, 1948, Serial No. 27,708
3 Claims. (Cl. 29—350)



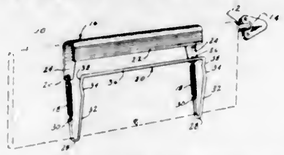
1. A method of making a joint between metallic members, wherein the zone of jointure is defined by a member of varying section width juxtaposed above the member to which it is to be joined, the steps comprising, assemblying the first-mentioned member above and in contact with the second-mentioned member at a point defined by a narrow width of the first-mentioned member, adjusting said members to position a wider width of the first-mentioned member at a lower elevation than the point of contact between said members, progressively separating the members from the point of contact towards the wider section, providing a fusible joining material adjacent the point of contact, and raising the temperature of the fusible joining material to melt the same, whereby the melt under gravitational and capillary attraction distributes itself over the zone of jointure to completely fill the intervening space between the members and provide filleted jointure therebetween.

2,598,028
CLOSURE CAP LINING MACHINE
Charles Andrew and Frank Waitkens, Brooklyn, N. Y.
Application November 8, 1947, Serial No. 784,868
5 Claims. (Cl. 113—80)



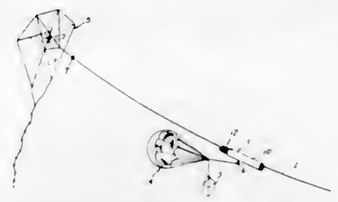
1. A machine for lining closure caps comprising a lining station, a turntable for carrying caps to the lining station, the turntable having holes for receiving the caps slightly larger than the caps, a loading station, means at the loading station for feeding caps over the turntable to the holes in the turntable, a cover over the loading station, a rockable plate normally extending through the cover to a distance from the turntable less than the height of a cap and supported by the cover, said plate having a beveled edge adjacent the loading station, a bar on the cover extending over the plate, a spring-pressed pin in the bar bearing against the top of the plate, whereby the caps are pressed into the holes, means at the lining station for placing lining disks in the caps, and a support for the caps in the turntable extending from the loading station, past the lining station to the discharge station, a discharge station for the lined caps.

2,598,029
ARTICLE HOLDER FOR AUTOMOBILE VISORS
Joseph W. Baldwin, Wichita Falls, Tex.
Application November 21, 1949, Serial No. 128,601
3 Claims. (Cl. 248—311)



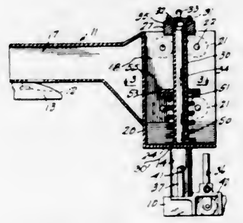
1. An article holder for application to an automobile visor and adapted to retain an article in engagement with a face of the visor, comprising an elongated channel shaped element disposed over an edge of the visor, a retainer member having a U-shaped bend disposed over the opposite edge of said visor, said retainer member having a portion in engagement with a face of said visor and a portion spaced from said face, and resilient means disposed on the opposite face of said visor connecting said element and said member to retain said holder on said visor.

2,598,030
PARACHUTE RELEASE FOR KITES
Hyrum Le Mont Bird, Richmond, Calif.
Application November 8, 1949, Serial No. 126,210
4 Claims. (Cl. 244—155)



1. A parachute carrying and release device for use with an upwardly sloping kite cord comprising, a tubular sleeve adapted to be supported on said cord for slidable movement therealong when said cord is passed longitudinally through said sleeve, a slide mounted in said sleeve for limited longitudinal movement from a position with one end in advance of said sleeve to a position substantially within said sleeve, an aperture in said sleeve and a keyhole slot in said slide for passing a parachute hanger therethrough for supporting said hanger for upward movement along said cord with said slide in advance of said sleeve, said slot being provided with an enlarged portion in registration with said aperture when said sleeve is substantially within said sleeve for releasing said hanger through said portion and said aperture when said slide is engaged by an obstruction on said cord and moved to a position substantially within said sleeve.

2,598,031
ELEVATING MEANS FOR VEHICLE BEDS
Robert O. Bill, San Leandro, Calif.
Application November 19, 1949, Serial No. 128,404
4 Claims. (Cl. 280—44)



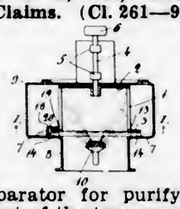
4. Elevating and lowering means for the front end of a vehicle bed comprising, a vehicular support, a pair of spaced standards fixed on said front end to function as combined guides and tractive means, a crosshead spanning the tops of said standards and fixed thereto, a hydraulic jack having a plunger, and a cylinder having a head with said cylinder passing through a passage formed vertically centrally of said crosshead with the head of said cylinder fixed to said crosshead, a guide housing for each standard and having bearings spaced vertically of said standards for sliding cooperation therewith to maintain rigidity and alignment, and with said guide housings fixed, in spaced relation, to a common base, and with said plunger cooperating with said common base, whereby said hydraulic jack is removable and replaceable at will without disturbing any other structures of the combination.

2,598,032

WET SEPARATOR FOR PURIFYING A PARTICLE LADEN GAS CURRENT

Torsten Blomén, Stockholm, Sweden, assignor to Aktiebolaget Linderoths Patenter, Stockholm, Sweden

Application June 22, 1949, Serial No. 100,669
8 Claims. (Cl. 261—90)



1. A wet separator for purifying a particle laden gas current of the type comprising a housing, a drum rotor mounted freely rotatable within the housing, the cylindrical wall of said drum including a perforated washing area and at least one of the side walls of the drum including an inlet opening, the housing wall facing said drum inlet including an inlet opening aligned with the drum inlet, conduit means communicating with said housing inlet for feeding particle laden gas into the interior of the drum substantially in the direction of the drum axis, and conduit means for discharging the purified gas from the housing, in combination with a guide member within the housing encompassing the drum and extending a substantial distance radially to the drum axis beyond the circumference of the drum and into a zone of the housing in which the operational gas pressure is higher than within the drum, said guide member being positioned to form with the housing wall having said inlet a narrow radial slot leading from said inlets into the housing, and a plurality of stationarily mounted baffle plates disposed within said slot spaced apart and radially to the rotor axis for impeding a rotating flow of gas within said slot.

2,598,033

METALLIC REINFORCING CORD FOR PNEUMATIC TIRES

Pierre Marcel Bourdon, Paris, France, assignor to Manufacture de Caoutchouc Michelin (Puiseux, Boulanger & Cie), Clermont-Ferrand (Puy-de-Dome), France

Application July 6, 1949, Serial No. 103,194
In France December 27, 1948
4 Claims. (Cl. 57—144)



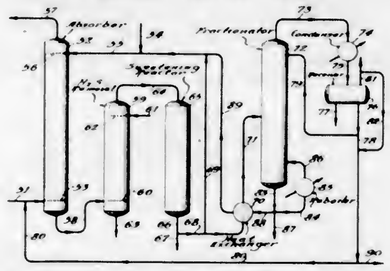
1. A metallic cable for use as a reinforcement in an article formed from rubber, plastic material and the like consisting of a core formed of flexible metallic cord and at least one metallic wire wound helically around the core without substantial pressure thereon.

2,598,034

DESULFURIZATION OF HYDROCARBON GASES

Kenneth M. Brown, Hinsdale, and Clarence G. Gerhold, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 19, 1949, Serial No. 71,658
4 Claims. (Cl. 260—676)



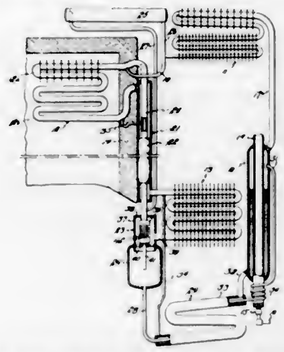
4. A process for desulfurizing a hydrocarbon gas stream containing mercaptan which comprises contacting said gas stream with a mercaptan solvent comprising disulfides, separating the resultant mercaptan-containing solvent from the desulfurized gas, converting the mercaptans in the solvent to disulfides, and supplying at least a portion of the latter to the aforesaid contacting step.

2,598,035

ABSORPTION REFRIGERATION

William L. Bulkley, Munster, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application August 2, 1948, Serial No. 42,014
17 Claims. (Cl. 62—119.5)



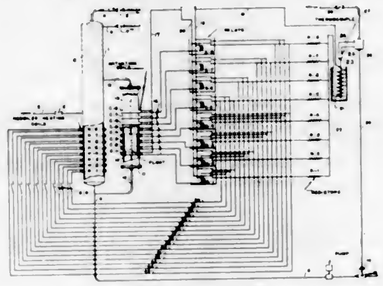
1. In an absorption refrigeration system having a plurality of interconnected elements and utilizing a refrigerant, an absorbent and a pressure-equalizing gas, a circuit for the pressure-equalizing gas having a construction for producing circulation therein by a differential force of gas strong in refrigerant, a gas weak in refrigerant in said circuit, and a check valve in the gas circuit so constructed and arranged as to be operated to open and closed positions by the flow of gas in said circuit to permit flow of gas in one direction and prevent flow of gas in the opposite direction, and depending passages at opposite sides of the check valve for draining liquid therefrom.

2,598,036

COMBINED FRACTIONATION HEATING AND LIQUID LEVEL CONTROL MEANS

John Thomas Cahill, Hinsdale, and George W. Jandacek, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 23, 1951, Serial No. 207,338
3 Claims. (Cl. 202—206)



1. Automatic fractionation and level control apparatus for use with a fractionating column, which comprises in combination, an elongated vertically positioned float chamber connecting with the lower liquid reservoir portion of said fractionating column and providing a liquid level therein varying with that in said column, an electrical power source, a plurality of vertically spaced electrically energized coils around said float chamber, a float member within said float chamber suitable to raise and lower with a varying liquid level and intercept the electrical fields of said plurality of spaced coils, each of the latter connecting with separate electrical relay means, with each relay of the plurality thereof connecting with an electrical resistor and with at least one of a plurality of reboiler heating coils, said reboiler heating coils positioned in indirect heat exchange with the liquid reservoir section of said fractionating column and regulating heating of the liquid therein responsive to changes in liquid level and the interception of the electrical fields of said coils around said float chamber, and each of said resistors connect successively with a thermocouple heating coil having a thermocouple positioned adjacent thereto, said thermocouple connecting with and operating an automatic control instrument, and the latter connecting with and operating a flow control means in a liquid conduit connecting with the lower liquid portion of said fractionating column.

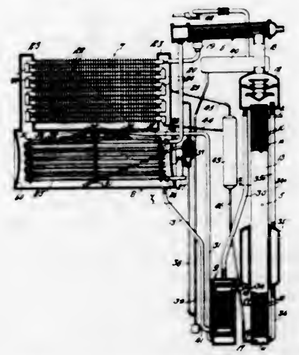
2,598,037

ABSORPTION REFRIGERATION

Owenby J. Dall, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application July 2, 1949, Serial No. 102,863
2 Claims. (Cl. 62—119)

1. In an absorption refrigeration system having a generator, a condenser, an evaporator and an absorber interconnected for the circulation of refrigerant and absorbent, said absorber comprising a vessel connected to receive refrigerant vapor from the evaporator, a coil in the vessel having a plurality of tube sections arranged one above the other in a vertical plane, means for delivering absorption solution onto the top of the uppermost tube section for gravity flow over the exterior surface of each tube from the top to the bottom of the coil, conduits for delivering cooling medium for flow through the interior of the coil, and the wall of each tube section in the absorber having a smooth top portion on which



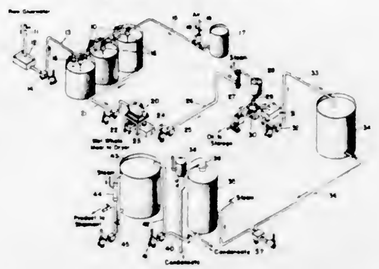
drops of liquid spread equally in all directions to form and maintain a continuous film over the entire wall surface and an undulating bottom portion providing alternate hills and valleys on the interior of the tube to increase turbulence of cooling fluid flowing therethrough and a series of spaced projections on the exterior of the tube from which absorption solution drips onto the top of the next lowermost tube to provide for uniform distribution of absorption solution.

2,598,038

PROCESS FOR TREATING WHALE GLUE WATER

Walter C. Davis, Tredyffrin Township, Chester County, Pa., assignor to The Sharples Corporation, a corporation of Delaware

Application June 3, 1950, Serial No. 166,028
In Norway August 30, 1949
11 Claims. (Cl. 260—112)



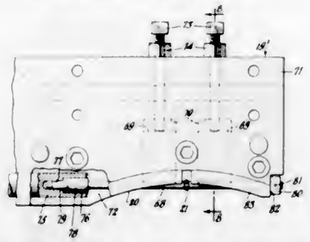
1. A process for treating whale gluewater resulting from the cooking of whale solids in the presence of water which comprises adding to said gluewater an acidic material in amount sufficient to reduce the pH of said gluewater to within the range of from 4 to 5 while maintaining the temperature of said gluewater above 180° F. but below boiling, holding said treated gluewater substantially static for a period of at least 15 minutes, and thereafter separating undissolved solids and liberated oil from said gluewater.

2,598,039

APPARATUS FOR THE MANUFACTURE OF STEEL REINFORCING BAR FOR CONCRETE STRUCTURES AND THE LIKE

Fulvio De Fazi, Bronx, N. Y., assignor to Webrib Steel Corporation, New York, N. Y., a corporation of New York

Application March 1, 1949, Serial No. 78,904
4 Claims. (Cl. 90—20.5)



1. In apparatus for the manufacture of steel reinforcing bar for concrete structures and the like, a machine unit for producing transverse grooves within circumferential grooves of a bar rolling mill roll, which comprises a cutter shaft and a supporting bearing member therefor, the bearing member having separable parts with portions of the shaft bearing formed in each part, and bearing portions of said bearing member having direct engagement with the shaft around a portion of its circumference at each side of and immediately adjacent the cutter and having direct engagement with the shaft around its entire circumference at points spaced some distance from the cutter.

2,598,040

4-(1,2-DIHYDROXYETHYL)-1,3-DIOXANE

Otis C. Dermer, Stillwater, Okla., and William J. Nelson, Alpha, Ill., assignors to Cities Service Research and Development Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 13, 1950, Serial No. 155,788
1 Claim. (Cl. 260—338)

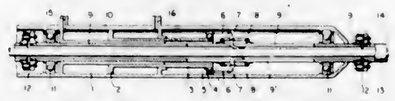
4-(1,2-dihydroxyethyl)-1,3-dioxane.

2,598,041

PNEUMATIC FEED DEVICE FOR HIGH-SPEED AUTOMATIC TURRET LATHES

Jaroslav Douša, Dobrany, Czechoslovakia, assignor to Skoda Works, National Corporation, Pizen, Czechoslovakia

Application January 15, 1949, Serial No. 71,192
In Czechoslovakia February 2, 1948
1 Claim. (Cl. 29—61)



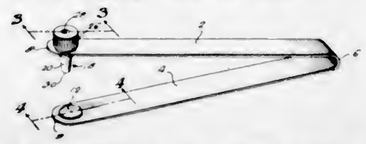
A bar stock feeding device for automatic lathes having a hollow spindle comprising in combination a rotatable mounted tubular mandrel coaxially connected to the hollow machine spindle to receive the bar stock, a stationary cylinder concentrically surrounding said mandrel, a conduit for a pressure medium at each of the opposing ends of said cylinder, an annular piston movable in said cylinder between said conduits, a tubular piston rod attached to said piston and surrounding said mandrel, a ring rotatably mounted upon the outer end of the piston rod coaxially therewith, a sleeve slidable on said mandrel in front of the piston rod, at least two opposing longitudinal slots in said mandrel, at least two double-armed grippers swingably mounted in said sleeve, the gripping arms of said grippers extending through said slots against the bar stock and adjusted to seize the same, rods connecting the other arms of said grippers with said rotatable ring, whereby bar stock of any diameter smaller than the inner diameter of the mandrel is gripped and fed through the hollow machine spindle while the piston moves in one direction and is automatically released when the piston returns.

2,598,042

HOLE CUTTER FOR USE WITH FRAGILE BODIES

Lawrence L. Dritz, Lawrence, N. Y., assignor to John Dritz & Sons, New York, N. Y., a partnership

Application September 10, 1948, Serial No. 48,649
5 Claims. (Cl. 164—119)



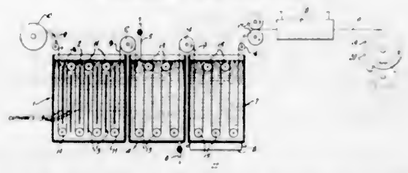
1. A hole cutter for use with fragile bodies comprising a pair of elongated arms resiliently joined together at one end and free at the other end, said arms normally assuming a separated position but being movable together, a pad of soft rubber-like material near the free extremity of one arm, and a cutter freely rotatably but nontranslatably mounted near the free extremity of the other arm, said cutter comprising a handle for rotating the same and a cutting edge projecting toward said one arm and so positioned as to engage said pad when said arms are moved together, said fragile body being insertable between said separated arms and said cutter and said pad cooperating to cut a hole in said body when said arms are moved together and said cutter is rotated, said cutter being manually rotatable to any desired degree and in any desired direction or directions as said arms are moved together.

2,598,043

PROCESS OF PREPARING PLANOGRAPHIC PRINTING PLATES

Frank L. Eichner, Hollis, N. Y., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware

Application February 20, 1947, Serial No. 729,837
3 Claims. (Cl. 148—6.27)



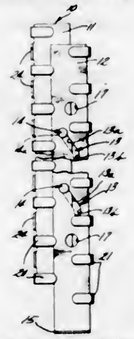
1. The process of preparing aluminum planographic printing plates which includes electrolytically etching a surface of sheeted aluminum in an electrolytic etching bath comprising an aqueous solution of a chloride selected from the group consisting of sodium, potassium, magnesium, lithium and calcium chlorides, and having a hydrogen ion concentration of pH from about 2 to about 4 produced by hydrochloric acid, and then forming an oxide deposit on said etched surface by subjecting said surface to the action of boiling water for a period of about 3 to about 5 minutes whereby the aluminum surface turns brown.

2,598,044

BINDER

Charles Edward Emmer, Chicago, Ill., assignor to General Binding Corporation, Chicago, Ill., a corporation of Illinois

Application April 20, 1946, Serial No. 663,733
1 Claim. (Cl. 129—9)



A loose leaf binder comprising two superposed plates having a plurality of integral flat resilient mating prongs extending in a curve upwardly from the plane of said plates, said prongs having forwardly rounded end portions normally projecting beyond the longitudinal median of said plates, means including headed pin and cam slot elements connecting said plates for relative diagonal and longitudinal movements in the opening and closing operations of said binder, the prongs on one plate first engaging the prongs on the other plate in the closing operation of said binder near the upper limit of relative diagonal movement of said plates, further relative diagonal movement of said plates initially flexing said prongs as the rounded end portions thereof are engaged, the succeeding longitudinal movement of said plates causing the rounded ends of said prongs to ride upon each other until their apices abut to form spring-loaded leaf-retaining loops, the cam and pin elements frictionally engaging each other through the spring loading of said loops to lock the plates together to form said binder.

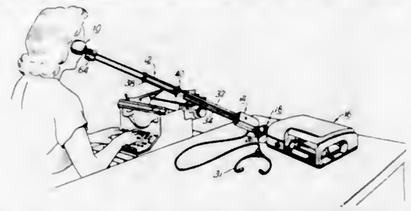
2,598,045

DICTATING MACHINE TRANSCRIBING APPARATUS WITH EXTENSION ARM

Florian J. Fox, Stratford, and Harry A. Williams, Bridgeport, Conn., assignors to Dictaphone Corporation, Bridgeport, N. Y., a corporation of New York

Application October 5, 1949, Serial No. 119,674
6 Claims. (Cl. 179—100.1)

1. In dictating machine transcribing apparatus in combination, a transcriber unit, a support positioned in fixed relation to said transcriber unit, an adjustable arm swivelly mounted on said support, a speaker unit supported on said arm, said arm being adjustable to vary the position of the speaker unit with respect to the transcriber and being formed of an electrically conductive material, first conductor means electrically interconnecting one end of said arm and said transcriber unit and second conductor means electrically interconnecting the other end of said arm and said speaker unit, whereby electrical signals may be transmitted from the transcriber through



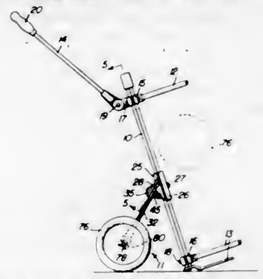
said adjustable arm to the speaker for translation into sound, earphone means connected to said arm, and manually operated switch means mechanically associated with said arm and electrically interposed between said earphone means, speaker unit and transcriber for selectively connecting said transcriber to either said earphone means or speaker unit as desired.

2,598,046

COLLAPSIBLE GOLF BAG CART

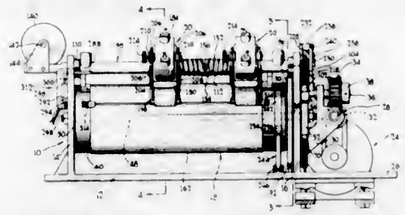
Vernon M. Frey, East Moline, Ill.

Application December 11, 1950, Serial No. 200,209
11 Claims. (Cl. 280—38)



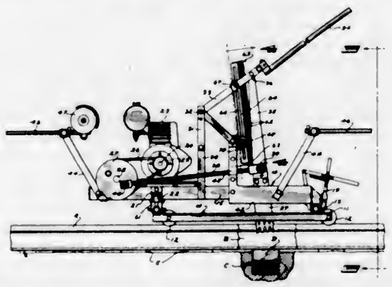
1. A collapsible golf bag cart comprising in combination, an upright tubular frame member, a support attached to said member and having a pair of hinge plates with hinge bolts mounted thereon, a pair of legs swingably mounted on said hinge bolts, respectively, and movable axially thereof, the adjacent surfaces of said legs and hinge plates being provided with interfitting projections and recesses, respectively, springs mounted on said hinge bolts for yieldably holding said surfaces together to maintain said projections and recesses in engagement to lock said leg against swinging about the axes of said hinge bolts, a pair of latch elements shiftably mounted on said support and engageable with said legs to prevent axial movement thereof, a control handle at the upper end of said tubular frame member, means connecting said control handle with said latch elements operative to disengage the latter by movement of said handle, a pair of axles pivotally mounted on the remote ends of said legs, respectively, wheels journaled on said axles, and foldable therewith against said legs in storage position, and spring actuated detents acting between said axles and said legs for retaining said wheels in either working or storage positions.

2,598,047
AUTOMATIC CYLINDRICAL PRINTING APPARATUS
Eli Fuchs, Highland Park, N. J.
Application November 10, 1947, Serial No. 785,060
15 Claims. (Cl. 95—77.5)



1. Apparatus for producing exposures at spaced intervals upon a light sensitized member, the apparatus comprising means for retaining the sensitized member in substantially cylindrical form, a light source, means for retaining a light-transmitting member to control light rays from the source to the sensitized member in a form to conform substantially uniformly to the cylindrical form of the sensitized member, means for effecting step-by-step rotation of the light-transmitting member and the sensitized member relative to each other continuously in one direction automatically to index the members into association with each other at spaced apart areas of the sensitized member, means controlled synchronously with the step-by-step rotation means automatically to bring the source, the light-transmitting member and the sensitized member into substantially superimposed relationship at spaced intervals, and means for automatically making the source effective only when the light-transmitting member and the sensitized member assume a fixed, substantially contiguous, relative position in the superimposed relationship.

2,598,048
TIE CUTTER
Lloyd J. Gilmore, Spokane, Wash., assignor to Woolery Machine Company, Minneapolis, Minn.
Application March 24, 1948, Serial No. 16,690
4 Claims. (Cl. 143—69)

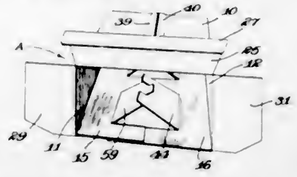


1. A machine for cutting railway ties, comprising a first frame having wheels for travel along the rails, tracks on the first frame at front and rear ends thereof and extending crosswise with respect to the rails, a second frame having wheels at its front and rear ends supporting it upon the tracks for travel crosswise of the rails, and tie cutting means on the second frame, the said tracks having rounded upper portions and the wheels on the second frame being peripherally grooved to travel on said rounded portions, and means on the second frame for engaging one of the tracks and holding the frame downward on the first frame.

2,598,049
PRODUCTION OF ARYLOXYALKYL HALIDES
William K. T. Gleim, Orland Park, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 30, 1949, Serial No. 136,153
8 Claims. (Cl. 260—613)

2. A process for producing an aryloxy-3-chloropropane which comprises reacting hydrogen chloride and a β-methallyl aryl ether in the presence of an antioxidant.

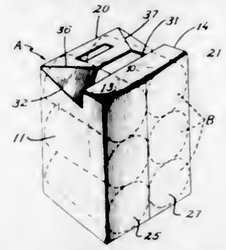
2,598,050
TISSUE DISPENSING CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application June 10, 1948, Serial No. 32,243
2 Claims. (Cl. 229—17)



1. A dispensing carton comprising a sheet of paperboard scored to provide a top panel, a side wall panel foldably connected thereto, a bottom panel foldably connected to each of said side wall panels, a tab foldably connected to each said bottom panel and defined by substantially parallel cut lines extending at substantially right angles to the score lines connecting said bottom panels to said side wall panels, the cut lines in the two bottom panels being substantially in registry and the tabs being arranged in overlapping relation, interlocking means on the ends of said tabs being interengageable to hold the tabs both in upwardly and inwardly inclined position, one of said tabs terminating short of the one bottom panel from which it is cut, adhesive between the portion of said one bottom panel projecting beyond said tab and the other bottom panel, and said top panel having a slit therein through which carton contents may be removed.

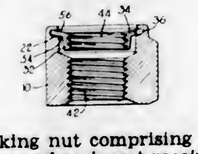
2,598,051
CARRIER PACKAGE
Reynolds Guyer and Russell J. Hennessey, St. Paul, Minn., assignors to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application February 2, 1951, Serial No. 209,029
8 Claims. (Cl. 229—52)

1. A carrier carton including a top panel and wall panels connected to opposite sides thereof, the top panel being provided with a line of separation extending across the top panel between the two wall panels and extending downwardly into the wall panels, a pair of fold lines extending in diverging relation toward said cut line from two opposite corners of the top panel to the line of separation; said diverging fold lines, the fold between the top panel and the side wall panels, and the line of separation, being foldable



into a common plane, and the area of the top panel between the diverging fold lines being foldable out of the plane of the remainder of the top panel.

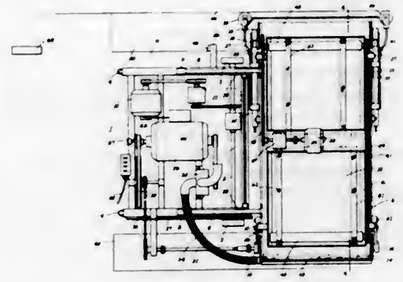
2,598,052
SELF-LOCKING NUT
Robert Lay Hallock, Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J., a corporation of New Jersey
Application September 14, 1944, Serial No. 553,987
3 Claims. (Cl. 151—21)



1. A self-locking nut comprising a metal body providing a bore and an insert receiving well concentric with said bore, said well having an annular bottom surface encircling said bore, an annular conical shoulder concentric with said bottom surface located axially above the bottom surface and of larger diameter than the bottom surface and an annular flange portion extending upwardly from the outer perimeter of said shoulder, and an annular insert of elastic metal located in said well, said insert comprising a rigid barrel portion and a thin flexible diaphragm portion extending outwardly from the upper end of the barrel portion, the major part of said barrel portion being located in the lower part of the well between said bottom surface and said shoulder, said diaphragm being positioned over said conical shoulder and contacting said shoulder only at the outer perimeter of the diaphragm whereby to provide axial clearance between said shoulder and substantially the entire area of the diaphragm to permit substantially free flexure of the entire diaphragm, said annular flange being inturned over the upper outer edge of the diaphragm to fix said insert in said well, and said bore and said barrel portion being threaded to provide two axially aligned thread sections the threads of which are in out-of-phase relation with respect to each other.

2,598,053
SANDING MACHINE
Forist Harris, Merced, Calif., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application September 27, 1948, Serial No. 51,387
11 Claims. (Cl. 51—174)

1. A bowling alley sanding machine comprising a frame, means adapted to move the frame lengthwise on an alley, a driven sanding unit mounted on the frame for alley engagement, a weight member mounted in connection with the frame for shifting motion transversely of the alley, and means operative, in response to trans-



versely unlevel portions of the alley traversed by the machine, to shift said weight member toward and to a point above the high side, whereby to then impose a greater weight on the part of the sanding unit engaging said high side.

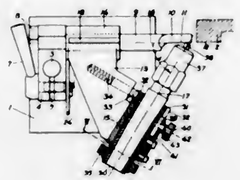
2,598,054
CANDLE-SIMULATING FLUORESCENT LIGHTING FIXTURE
Clifton E. Hays, Providence, R. I., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application December 30, 1949, Serial No. 135,948
2 Claims. (Cl. 240—51.11)



1. A decorative lighting fixture of the type holding a cylindrical candle-simulating lamp of a given diameter and a separate flame-simulating lamp at an end of the cylindrical lamp, said fixture comprising a supporting base, a first lamp socket on said base for one end of said cylindrical lamp, a wiring tube secured at one end to and extending from said base close to and parallel with the axis of said cylindrical lamp and of substantially less external diameter than said given diameter of the lamp, a second lamp socket for the other end of said cylindrical lamp carried by the other end of said wiring tube, a third socket for the flame-simulating lamp carried by said tube, aligned with but oppositely facing from said second socket, a candle-drip simulating cover surrounding said second and third sockets, and

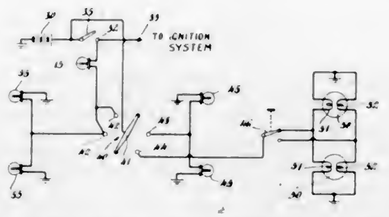
electrical connection wires in said base and tube leading to said sockets, whereby the base and the tube conceal the wires, the cylindrical lamp conceals the wiring tube, and the cover conceals the second and third sockets, to give the effect of an internally illuminated candle with flame issuing from one end.

2,598,055
DRILL GRINDING MACHINE
Hans Fredrik Birger Högfors, Enskede, Sweden
Application December 30, 1947, Serial No. 794,595
In Sweden February 23, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 23, 1966
4 Claims. (Cl. 51—219)



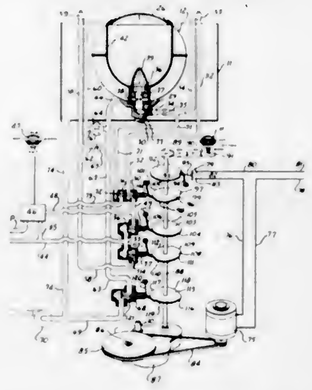
1. A device for grinding twist drills comprising in combination a shaft, a grinding wheel, a drill holder and a support carrying the shaft, the axis of which coincides with the face plane of the grinding wheel, said shaft in its turn carrying the drill holder in such position that the shaft, said drill holder being rotatable on said axis of an inserted drill cuts the axis of the shaft and also movable alongside the face of said grinding wheel, an alining edge on said support for adjusting the cutting edge of the drill into alinement with the axis of said shaft, said alining edge coinciding with the axis of said shaft and being adjustable to coincide also with the face of said grinding wheel, in which position said support is fixed during the grinding operation, and means for setting the drill holder at different predetermined angles relative to the grinding wheel.

2,598,056
VEHICLE LIGHT INDICATOR
Jesse R. Hollins, Brooklyn, N. Y.
Application December 24, 1948, Serial No. 67,150
2 Claims. (Cl. 177—311)



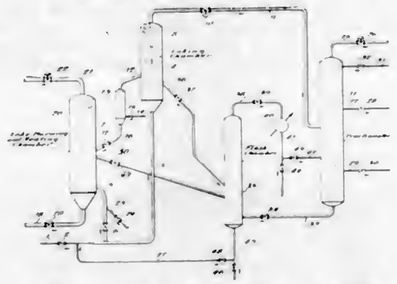
1. In combination with a vehicle lighting circuit including a relatively low resistance, electric marker lamp and a control switch selectively operable to connect said marker lamp directly to a source of electrical energy, a vehicle ignition switch selectively operable for connection with the source of electrical energy, said ignition switch being disposed intermediate the connection of said control switch and said source of electrical energy whereby said control switch is operable independently of the open or closed position of said ignition switch, means for indicating whether or not said lighting circuit is energized when the ignition switch is closed, said means being in the circuit incorporating both the ignition and the selector switch and comprising relatively high resistance electrically energized indicator means mounted between and connected in series circuit relation with said marker lamp and the vehicle ignition switch, whereby, when the ignition switch is closed and the lamp control switch is open said indicator means will be energized over a relatively high resistance circuit including said marker lamp and closure of the control switch will complete a relatively low resistance energization circuit for said marker lamp to shunt out said indicator means.

2,598,057
LAUNDRY MACHINE
John F. Horvath, Milwaukee, Wis., assignor to Appliance Corporation of America, Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1946, Serial No. 710,267
8 Claims. (Cl. 68—12)



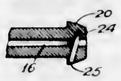
8. A laundry machine comprising, an oscillatable tub, a perforated nozzle in the bottom of said tub, a motor, a drive shaft driven from the motor for oscillating the tub, a control shaft, a conduit system for introducing cleansing liquid and rinse liquid into the tub through said nozzle and draining it therefrom, cams on said control shaft for controlling steps in a cycle of operations, one of said cams having two circumferentially spaced low portions and two circumferentially spaced high portions, a follower for said one of said cams, a valve member having two chambers and two valves and a common valve stem constantly in engagement with said follower, said conduit system including two branches, one of said branches leading from one of said chambers to said nozzle, and the other of said branches leading from the nozzle to the other one of said chambers, whereby when one of the valves of said valve member is open and the other closed cleansing liquid may be manually introduced into the conduit system and thence into the tub through the nozzle, and when the positions of the valves in the double valve member are reversed cleansing liquid may be drained from the tub through the nozzle.

2,598,058
CONTINUOUS CONVERSION AND COKING OF HEAVY LIQUID HYDROCARBONS
William K. Hunter, Lyons, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 6, 1950, Serial No. 137,105
10 Claims. (Cl. 196—55)



1. In a process for the thermal conversion of a heavy hydrocarbon charge stream to provide more desirable components, wherein said charge stream continuously contacts subdivided heat carrying particles in a coking and conversion zone, resulting hydrocarbon vapors are withdrawn and passed to a fractionating zone while said subdivided particles with a coke deposition are passed to a heating and burning zone, the coked particles being contacted therein with a regulated stream containing free oxygen and at least a portion of the coke deposition burned to provide the heating of the particles therein, with resulting flue gases being discharged from the upper portion of the burning and heating zone while at least a portion of the resulting heated subdivided particles are returned to the coking zone to supply heat for effecting the aforesaid conversion and coking of the heavy hydrocarbon charge stream, the improvement which comprises, fractionally separating the hydrocarbon vapors passing from said coking and conversion zone within said fractionating zone, withdrawing desired hydrocarbon fractions from said zone and passing the resulting unvaporized bottoms from the lower portion of said fractionating zone to a separate confined flash zone, withdrawing a stream of hot subdivided particles from at least one of the aforesaid particle contacting zones and continuously passing said particles to said flash zone, partially vaporizing said bottoms stream in the latter zone and continuously discharging resulting vapors therefrom, condensing the vapors independently of the vapors from said coking and conversion zone and subsequently passing at least a portion of the resulting condensate to said fractionating zone, and continuously discharging resulting unvaporized heavy hydrocarbons and cooled subdivided particles in a slurry stream from the lower portion of said flash zone.

2,598,059
SMOKER'S MOUTHPIECE
George L. Johnson, Chicago, Ill.
Application April 20, 1949, Serial No. 88,605
2 Claims. (Cl. 131—229)



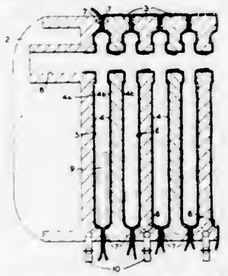
1. A smoker's mouthpiece, comprising a bit roundly flattened at the outer end and a bore extending longitudinally and unobstructedly in alignment through the mouthpiece and the bit, the bit having a recessed opening at the under side thereof and extending transversely of the bore, the bore flaring outwardly within the bit at the inner side of the recess, the recess internally of the bit being enlarged laterally and extending beyond the flaring end of the bore at the sides and top thereof, the bottom opening of the recess being substantially as wide as the inner flaring end of the bore and effective to prevent the accumulation of saliva in the bore of the mouthpiece.

2,598,060
SURGICAL TREPHINE
David Kadesky, San Francisco, Calif., assignor to Vinko V. Suglian, David Kadesky, Einar V. Blak, and David A. Gold, copartners, doing business under the name of Green's Eye Hospital, San Francisco, Calif.
Application January 17, 1950, Serial No. 139,037
3 Claims. (Cl. 128—305)



3. A trephine tool for use in eye surgery comprising a cylindrical body, a cylindrical blade portion formed on one end of the body and embracing a cylindrical receiving cavity, the blade portion having a circular cutting edge, an annular depth limiting shoulder formed on the body at the base of the blade portion, a passage extending through the body and communicating with the cavity, and an annular retaining shoulder within the body at the base of the cavity, the depth of the cavity from the cutting edge to said last named shoulder being greater than the distance from said edge to said depth limiting shoulder.

2,598,061
FILTER SHEET
David C. Knowlton, Watertown, N. Y., assignor to Knowlton Brothers, Watertown, N. Y., a corporation of New York
Application August 3, 1949, Serial No. 108,326
6 Claims. (Cl. 210—188)



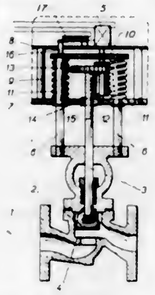
1. In combination with recessed plates of a filter press in which the recesses of the plates are formed by the bottom wall surface in a plane below the face of the surrounding abutting wall on said plates, a felted filter sheet interposed between adjacent plates and bridging the recesses, said filter sheet having portions pressed from its general plane to lie in a plane outside of the general plane for rendering said sheet transversely and longitudinally stretchable.

2,598,062

SAFETY DEVICE IN ELECTRICALLY CONTROLLED VALVES, FITTINGS OR THE LIKE

Jaroslav Křečan, Prague, Czechoslovakia, assignor of one-half to Meopta, Consolidated Factories for Fine Mechanical and Optical Instruments, National Corporation, Prerov, Czechoslovakia

Application November 16, 1948, Serial No. 60,224
In Czechoslovakia November 20, 1947
7 Claims. (Cl. 137—724)



1. An electrically operated valve assembly comprising, in combination, a valve body having a valve seat; a stem movably mounted in said body and carrying a valve cooperable with said seat; an electrically operable driving device operatively connected to said stem to move the latter; energizing circuits connected to said device to energize the latter in valve opening and valve closing directions; an element mounted in fixed relation on said body; a support for said electric device mounted for movement inwardly and outwardly relative to said body, said support being interengaged with said stem to convert the said movement by said driving device to movement relative to the body to open and close said valve and to absorb the reaction of said stem during operation of said valve; a normally open switch mounted on said movable support and connected in the valve closing energizing circuit of said device; an operator fixed to said element and arranged to engage said switch and bias the same to a closed position when said support is in its innermost position, said operator releasing said switch to open upon outward movement of said support; and means associated with said element and said support and constructed and arranged to bias said support inwardly relative to said element to position said support to effect engagement of said operator with said switch to maintain said switch closed, said means providing for outward movement of said support when the reaction of said stem on said support during the closing movement of said valve exceeds a preset value ; whereby, when said device operates said stem in a valve closing direction and the stem reaction exceeds such preset value, said support will move outwardly so that said operator will disengage said switch and deenergize said device.

2,598,063

HANDLE ATTACHMENT FOR BRUSHES

Arthur La Barre, Akron, Ohio

Application May 27, 1949, Serial No. 95,750
1 Claim. (Cl. 306—6)

A handle attachment for brushes or pads having a backing member, comprising a base plate having an upstanding hollow conical protuberance providing a recess in the underside of the plate said protuberance having an aperture in the wall thereof at the upper end of the same, a bolt received upwardly through the aperture of the protuberance and having a head received in said recess to be above the underside of the base plate, said plate having holes therein at opposite sides of said protuberance, screws inserted downwardly through said holes for fastening the base plate to a said backing member and having heads thereof protruding upwardly of the base plate, a handle mounting plate superposed on said base plate and having a hollow conical protuberance complementary to said protuberance on said base

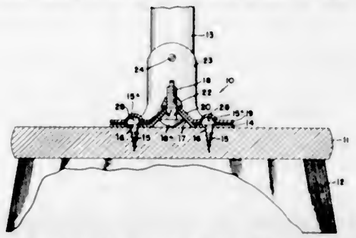


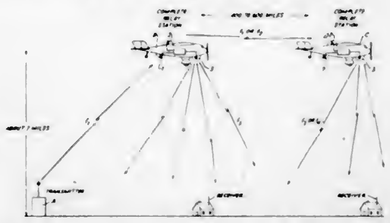
plate and rotatable thereon, said mounting plate being apertured and said bolt being received therethrough, a nut on said upper end of said bolt for clamping said plates together, said handle mounting plate having upwardly depressed portions providing recesses for snug reception of the heads of the fastening screws when the base and mounting plates are clamped together, thereby preventing relative movement between said base and mounting plates, and socket means on said mounting plate for securing a handle thereto.

2,598,064

AIR-BORNE RADIO RELAYING SYSTEM

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 7, 1942, Serial No. 425,824
9 Claims. (Cl. 250—15)



1. An aircraft relay station having a first directive antenna for receiving signals, a second directive antenna for transmitting signals, a gyroscopic control system for said directive antennas, and an omnidirectional antenna for transmitting signals, at least two of said antennas being operative simultaneously.

2,598,065

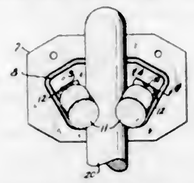
RELEASABLE HOLDER FOR BROOM HANDLES

Laurence R. Miller, Fond du Lac, Wis.

Application January 19, 1950, Serial No. 139,382
4 Claims. (Cl. 24—249)

1. The combination with a mounting plate, of a set of clamping fingers having rear end portions spaced laterally of the plate and in pivotal

connection with the plate upon axes oppositely inclined to the horizontal, the said fingers projecting outwardly from said plate and being bodily oscillatable about the axes of their respective pivotal connections with the plate, said fingers being gravity biased downwardly about said axes toward positions in which the said fingers are



outwardly convergent and being movable about said axes upwardly from the said positions toward positions in which the said arms are inwardly convergent, whereby said fingers are adapted for clamping engagement with a handle received therebetween, and are adapted in response to upward manipulation of such handle to move upwardly for the release thereof.

2,598,066

METHOD FOR THE PRODUCTION OF PIGMENTED RAYON

Reginald A. Morse, Scarsdale, N. Y., assignor to Oscar Kohorn & Co. Ltd., New York, N. Y., a corporation of New York

Application November 7, 1947, Serial No. 784,621
4 Claims. (Cl. 106—166)

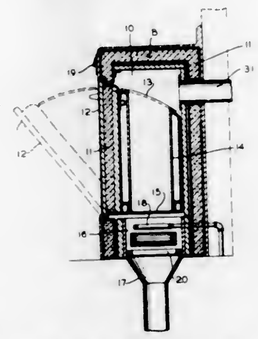
1. Method of producing a pigmented extruded cellulosic product comprising uniformly dispersing by kneading a predetermined amount of a powdered pigment in a predetermined amount of viscose spinning solution to form a mass of stiff dough-like consistency, diluting said mass while kneading with additional viscose spinning solution to produce a flowable slurry of said pigment in said viscose and continuously injecting said slurry into a flowing viscose spinning solution to produce a spinning solution having uniformly dispersed therein said pigment at the desired concentration.

2,598,067

KITCHEN CABINET INCINERATOR

Vincent R. O'Brien, St. Paul, Minn.

Application September 3, 1946, Serial No. 694,473
7 Claims. (Cl. 110—18)



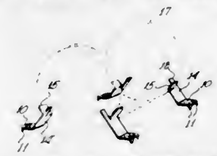
1. In a cabinet incinerator, an incinerator chamber, a mass of heat insulating material surrounding said incinerator chamber, a door providing a means of entrance to the interior of said chamber and having a refuse basket with openings in the lower end thereof removably mounted on the inner surface, said basket substantially filling the interior of said chamber, a burner disposed in proximity to said refuse basket, a refuse outlet located in the bottom of said chamber and a water supply means so located with respect to said basket and said refuse outlet that means is provided for flushing ashes of incinerated material from said chamber through said refuse outlet.

2,598,068

FREIGHT STABILIZING CLEAT

William T. Peyton, Dallas, Tex.

Application September 25, 1948, Serial No. 51,229
1 Claim. (Cl. 105—369)



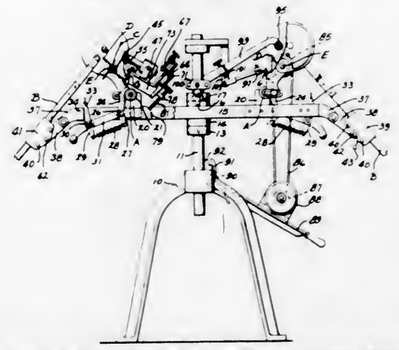
A carload bracing cleat for a freight car comprising a strap of heavy gauge metal of greater length than width, one end of which constitutes a floor anchor plate, a load bearing compression arm inclined at an angle of 45 degrees with respect to the plane of said anchor plate and adapted to be disposed radially with respect to the center of the mass of a load braced thereby, said arm having a bifurcated upper end, one of said bifurcations being turned at an angle to the longitudinal axis of said arm to engage one side of said load to prohibit movement thereof in one direction, the companion bifurcation of said arm engaging another side of said load to prohibit movement thereof in another direction, and means for securing said bracing cleat to the floor of a car at a point spaced away from the load braced thereby through said floor anchor plate.

2,598,069

APPARATUS FOR SHARPENING LAWN MOWERS

Wilbur J. Pine, Wausau, Wis.; W. Morton Pine, Milwaukee, Wis., administrator of said Wilbur J. Pine, deceased

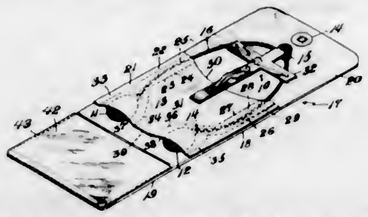
Application May 9, 1946, Serial No. 668,438
11 Claims. (Cl. 51—34)



7. The combination with a lawn mower support having means for clampingly engaging the han-

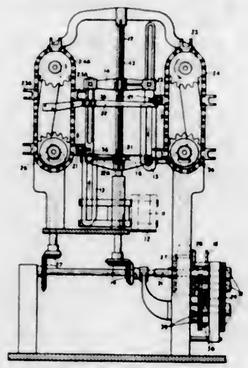
dle and grass roller of the lawn mower to fixedly hold the same in an inverted position, with its blade carrying reel exposed and free for rotation, of a grinding wheel assembly provided with hangers for suspending it from the respective ends of the lawn mower reel shaft, and including a power driven grinding wheel reciprocable along a line parallel with the reel shaft at a predetermined radius from the reel axis.

2,598,070
DEVOTIONAL PACKAGE
Horace Randall, Pawtucket, R. I., assignor to The H. M. H. Co., a corporation of South Dakota
Application May 1, 1951, Serial No. 223,929
4 Claims. (Cl. 206—19)



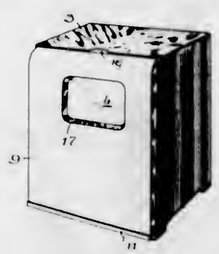
1. A devotional package comprising a crucifix and a pair of medals, a chain extending from each medal to said crucifix to secure the parts together, a casing comprising an outer wall and a retaining wall with each chain located between them, said walls being secured together on each side of each chain to provide channels to slidably guide the chains, each of said medals having a cross sectional dimension greater than the cross sectional dimension of the channels to prevent the medals or crucifix from passing therethrough.

2,598,071
CARTON OPENING MACHINE
Alfred German Rose and James Page, Gainsborough, England, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application February 25, 1947, Serial No. 730,808
In Great Britain February 26, 1946
5 Claims. (Cl. 93—53)



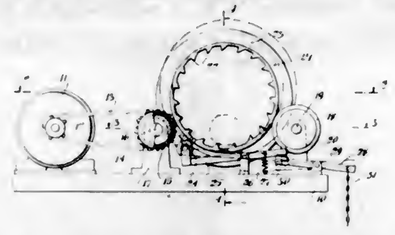
1. In apparatus for feeding rectangular cartons of the type described from a pack in which the cartons are arranged in a flat collapsed condition one behind the other with the leading carton situated at a separating station, the combination of a carrier member mounted adjacent the separating station for movement about an axis parallel to the face of the pack, means for rotating said carrier member, a plurality of transfer blades slidably mounted on said carrier member in circumferential series at equal angular intervals for movement in endwise directions parallel to said axis, means for intermittently rotating said carrier member to bring each blade in turn to the separating station, blade-inserting means, means for intermittently moving said blade inserting means, said blade inserting means adapted while in motion to engage each blade in turn, during rotation of said carrier member, at a point substantially in advance of the separating station, means for coordinating the movement of the means for rotating said carrier member and said means for intermittently moving said blade inserting means so as to slide the blade in the endwise direction during movement of the carrier member and to insert it between the front and rear portions of the leading carton as the carrier member comes to rest at the separating station, a first guiding member for causing a preliminary endwise motion of each blade in turn as it approaches the moving blade-inserting means and for guiding the blade into engagement with the inserting means during such preliminary motion, intermittently movable blade-withdrawing means located at a subsequent station and adapted while in motion to engage the inserted blade during further rotation of said carrier member towards said subsequent station at a point substantially in advance of the subsequent station so as to slide it in the opposite direction during such further movement of the carrier member to effect its endwise withdrawal from the carton as the carrier member comes to rest at the subsequent station, and a second guiding member for causing a preliminary endwise withdrawing movement of the inserted blade as it approaches the moving blade-withdrawing means and for guiding the blade into engagement with the withdrawing means during such preliminary movement.

2,598,072
REFLECTIVE MASK FOR TELEVISION CABINET FRONTS
Joseph K. Rose, Chicago, Ill.
Application November 4, 1948, Serial No. 58,343
7 Claims. (Cl. 178—7.5)



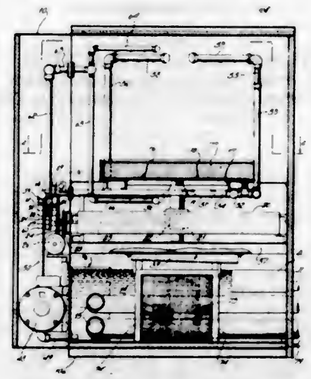
7. In a television cabinet having an apertured front wall and an image exhibiting member visible through said apertured wall, a roller mounted in said cabinet adjacent said wall, a ing sheet wound on said roller and having its slot in said cabinet adjacent said roller, a mask-free end extending through said slot, and an end member larger than said slot secured to said free end of said masking sheet, said masking sheet having an area substantially equal to the area of said apertured wall and an aperture registering with said image exhibiting member when said sheet is unwound, the exposed surface of said sheet having a diffuse reflection factor higher than the surface of the cabinet which it covers.

2,598,073
WRAPPING AND TWISTING APPARATUS
Herbert Rumsey, Jr., Rochester, N. Y.
Application January 25, 1950, Serial No. 140,398
4 Claims. (Cl. 53—141)



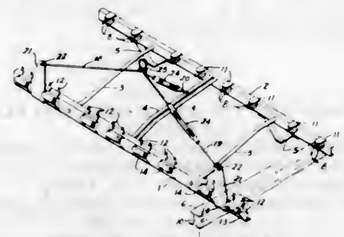
1. In wrapping and twisting apparatus, the combination of a plurality of rollers mounted for rotary motion in radially spaced relationship, one of said rollers being a drive roller a tubular drum open at both ends resting on said rollers, said drum being formed with a pair of circumferential flanges on the outer surface thereof and positioned beyond the opposite ends of the rollers on which the drum rests and serving to retain the drum in place on the rollers and control means for shifting said drum into and out of contact with said drive roller.

2,598,074
WASHING MACHINE FOR BAKING UTENSILS
Howard M. Sadwith, Plainfield, N. J., assignor to Industrial Washing Machine Corporation, New Brunswick, N. J., a corporation of New Jersey
Application August 31, 1946, Serial No. 694,278
4 Claims. (Cl. 134—95)



1. In combination in a washing machine, a rotatable holder for objects to be washed first with wash liquid and then with rinse liquid, means for applying said liquids to said objects while said holder is rotated, means for rotating said holder, a source of said wash liquid and a receptacle therefor, a source of said rinse liquid and a receptacle therefor, means for guiding liquids falling from said objects including movable directing means adapted in a first position to direct said falling liquids to one of said receptacles and in a second position to the other, wash liquid supply means operable when actuated to supply wash liquid from said source thereof to said first mentioned means, rinse liquid supply means operable when actuated to supply rinse liquid from said source thereof to said first mentioned means, a rotatable circular cam member synchronized with the rotation of said holder, actuating devices interconnecting said cam member with said wash and rinse liquid supply means and said movable directing means, said cam member and actuating devices being so constructed and arranged as to actuate said wash liquid supply means and move said directing means to one of said positions while deactuating said rinse liquid supply means, and to actuate said rinse liquid supply means and move said directing means to the other of said positions while deactuating said wash liquid supply means, the actuating device interconnecting said rotatable member and movable directing means comprising a pair of different length pins projecting from the side of said rotatable cam member and positioned at different radial distances from the axis of rotation thereof, a first pivoted lever having an end projectable into the path of one of said pins only, a linkage connecting said lever to said movable directing means, and a second pivoted lever having at one end a connection with said first lever and having its other end projectable into the path of the remaining pin only, said levers being so actuated through their connection that at any time only one of said projectable ends is located in the path of one of said pins and upon rotation of either of said levers by the corresponding pin, its projectable end is moved out of the path of that pin and the projectable end of the other lever is moved into the path of its corresponding pin.

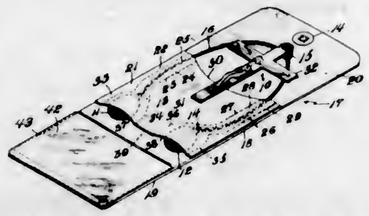
2,598,075
APPARATUS FOR PLACING BEAMS IN BALING PRESSES
Gustav A. Seidel, Mellen, Wis., assignor to Splicedwood Corporation, Mellen, Wis., a corporation of Wisconsin
Application January 28, 1950, Serial No. 141,069
12 Claims. (Cl. 294—67)



1. In a beam loader the combination of a loading frame having parallel carrying rails in spaced connection, suspension means for the frame, and transversely aligned complementary means at each of said rails for the guided and aligned transverse support of beams on the frame, one of said means being laterally open to provide a way over which the beams may be delivered laterally from the loader.

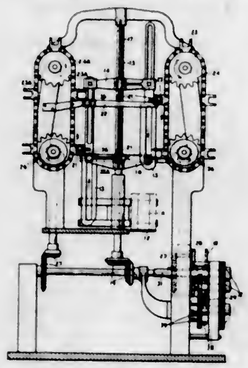
dle and grass roller of the lawn mower to fixedly hold the same in an inverted position, with its blade carrying reel exposed and free for rotation, of a grinding wheel assembly provided with hangers for suspending it from the respective ends of the lawn mower reel shaft, and including a power driven grinding wheel reciprocable along a line parallel with the reel shaft at a predetermined radius from the reel axis.

2,598,070
DEVOTIONAL PACKAGE
Horace Randall, Pawtucket, R. I., assignor to The H. M. H. Co., a corporation of South Dakota
Application May 1, 1951, Serial No. 223,929
4 Claims. (Cl. 206—19)



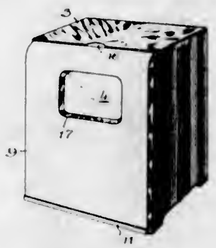
1. A devotional package comprising a crucifix and a pair of medals, a chain extending from each medal to said crucifix to secure the parts together, a casing comprising an outer wall and a retaining wall with each chain located between them, said walls being secured together on each side of each chain to provide channels to slidably guide the chains, each of said medals having a cross sectional dimension greater than the cross sectional dimension of the channels to prevent the medals or crucifix from passing therethrough.

2,598,071
CARTON OPENING MACHINE
Alfred German Rose and James Page, Gainsborough, England, assignors to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application February 25, 1947, Serial No. 730,808
In Great Britain February 26, 1946
5 Claims. (Cl. 93—53)



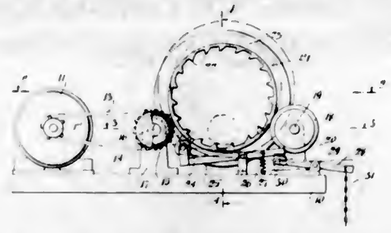
1. In apparatus for feeding rectangular cartons of the type described from a pack in which the cartons are arranged in a flat collapsed condition one behind the other with the leading carton situated at a separating station, the combination of a carrier member mounted adjacent the separating station for movement about an axis parallel to the face of the pack, means for rotating said carrier member, a plurality of transfer blades slidably mounted on said carrier member in circumferential series at equal angular intervals for movement in endwise directions parallel to said axis, means for intermittently rotating said carrier member to bring each blade in turn to the separating station, blade-inserting means, means for intermittently moving said blade inserting means, said blade inserting means adapted while in motion to engage each blade in turn, during rotation of said carrier member, at a point substantially in advance of the separating station, means for coordinating the movement of the means for rotating said carrier member and said means for intermittently moving said blade inserting means so as to slide the blade in the endwise direction during movement of the carrier member and to insert it between the front and rear portions of the leading carton as the carrier member comes to rest at the separating station, a first guiding member for causing a preliminary endwise motion of each blade in turn as it approaches the moving blade-inserting means and for guiding the blade into engagement with the inserting means during such preliminary motion, intermittently movable blade-withdrawing means located at a subsequent station and adapted while in motion to engage the inserted blade during further rotation of said carrier member towards said subsequent station at a point substantially in advance of the subsequent station so as to slide it in the opposite direction during such further movement of the carrier member to effect its endwise withdrawal from the carton as the carrier member comes to rest at the subsequent station, and a second guiding member for causing a preliminary endwise withdrawing movement of the inserted blade as it approaches the moving blade-withdrawing means and for guiding the blade into engagement with the withdrawing means during such preliminary movement.

2,598,072
REFLECTIVE MASK FOR TELEVISION CABINET FRONTS
Joseph K. Rose, Chicago, Ill.
Application November 4, 1948, Serial No. 58,343
7 Claims. (Cl. 178—7.5)



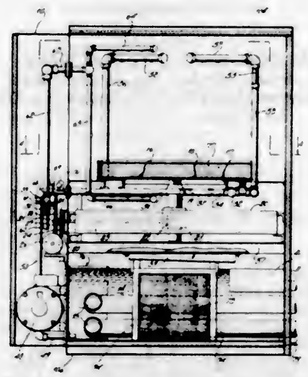
7. In a television cabinet having an apertured front wall and an image exhibiting member visible through said apertured wall, a roller mounted in said cabinet adjacent said wall, a ing sheet wound on said roller and having its slot in said cabinet adjacent said roller, a mask-free end extending through said slot, and an end member larger than said slot secured to said free end of said masking sheet, said masking sheet having an area substantially equal to the area of said apertured wall and an aperture registering with said image exhibiting member when said sheet is unwound, the exposed surface of said sheet having a diffuse reflection factor higher than the surface of the cabinet which it covers.

2,598,073
WRAPPING AND TWISTING APPARATUS
Herbert Rumsey, Jr., Rochester, N. Y.
Application January 25, 1950, Serial No. 140,398
4 Claims. (Cl. 53—141)



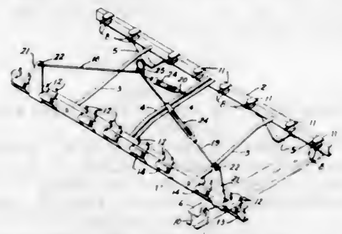
1. In wrapping and twisting apparatus, the combination of a plurality of rollers mounted for rotary motion in radially spaced relationship, one of said rollers being a drive roller a tubular drum open at both ends resting on said rollers, said drum being formed with a pair of circumferential flanges on the outer surface thereof and positioned beyond the opposite ends of the rollers on which the drum rests and serving to retain the drum in place on the rollers and control means for shifting said drum into and out of contact with said drive roller.

2,598,074
WASHING MACHINE FOR BAKING UTENSILS
Howard M. Sadwith, Plainfield, N. J., assignor to Industrial Washing Machine Corporation, New Brunswick, N. J., a corporation of New Jersey
Application August 31, 1946, Serial No. 694,278
4 Claims. (Cl. 134—95)



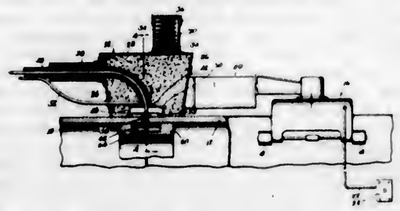
1. In combination in a washing machine, a rotatable holder for objects to be washed first with wash liquid and then with rinse liquid, means for applying said liquids to said objects while said holder is rotated, means for rotating said holder, a source of said wash liquid and a receptacle therefor, a source of said rinse liquid and a receptacle therefor, means for guiding liquids falling from said objects including movable directing means adapted in a first position to direct said falling liquids to one of said receptacles and in a second position to the other, wash liquid supply means operable when actuated to supply wash liquid from said source thereof to said first mentioned means, rinse liquid supply means operable when actuated to supply rinse liquid from said source thereof to said first mentioned means, a rotatable circular cam member synchronized with the rotation of said holder, actuating devices interconnecting said cam member with said wash and rinse liquid supply means and said movable directing means, said cam member and actuating devices being so constructed and arranged as to actuate said wash liquid supply means and move said directing means to one of said positions while deactuating said rinse liquid supply means, and to actuate said rinse liquid supply means and move said directing means to the other of said positions while deactuating said wash liquid supply means, the actuating device interconnecting said rotatable member and movable directing means comprising a pair of different length pins projecting from the side of said rotatable cam member and positioned at different radial distances from the axis of rotation thereof, a first pivoted lever having an end projectable into the path of one of said pins only, a linkage connecting said lever to said movable directing means, and a second pivoted lever having at one end a connection with said first lever and having its other end projectable into the path of the remaining pin only, said levers being so actuated through their connection that at any time only one of said projectable ends is located in the path of one of said pins and upon rotation of either of said levers by the corresponding pin, its projectable end is moved out of the path of that pin and the projectable end of the other lever is moved into the path of its corresponding pin.

2,598,075
APPARATUS FOR PLACING BEAMS IN BALING PRESSES
Gustav A. Seidel, Mellen, Wis., assignor to Spliced wood Corporation, Mellen, Wis., a corporation of Wisconsin
Application January 28, 1950, Serial No. 141,069
12 Claims. (Cl. 294—67)



1. In a beam loader the combination of a loading frame having parallel carrying rails in spaced connection, suspension means for the frame, and transversely aligned complementary means at each of said rails for the guided and aligned transverse support of beams on the frame, one of said means being laterally open to provide a way over which the beams may be delivered laterally from the loader.

2,598,076
ARC WELDING MECHANISM
Oliver R. Smith, Fort Worth, Tex.
Application July 17, 1950, Serial No. 174,187
6 Claims. (Cl. 219—8)



1. In arc welding mechanism, a flux container having an opening and adapted to be positioned on work to be welded with the flux covering the welding zone of the work, means supporting said container for movement along the welding zone, electrode means moveable through the flux into contact with the work to form a molten deposit of weld metal and flux in said zone as the container moves along the zone, and means disposed adjacent the electrode means for directing a coolant into contact with said deposit to solidify said deposit.

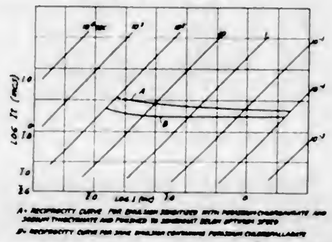
2,598,077
PREPARATION OF GAS-EXPANDED PLASTIC MATERIALS
Ruth L. Stander, Washington, D. C., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 22, 1950, Serial No. 169,783
4 Claims. (Cl. 260—2.5)

1. The method of making a gas-expanded organoplastic material which comprises mixing an aryl azo triarylmethane of the formula R—N=N—CR'$_3$, where R is selected from the class consisting of aryl hydrocarbon, nitro-substituted aryl hydrocarbon, and chlor-substituted aryl hydrocarbon radicals, and R' is selected from the class consisting of aryl hydrocarbon and alkoxy-substituted aryl hydrocarbon radicals, with an organoplastic material which is capable of setting to a normally solid state and having sufficient consistency and tensile strength at temperatures of from 80° C. to 200° C. to retain the expanded structure resulting from the subsequent heating step, and decomposing said triarylmethane by heat to evolve nitrogen and expand said organoplastic material.

2,598,078
PREPARATION OF GAS-EXPANDED PLASTIC MATERIALS
Ruth L. Stander, Washington, D. C., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 22, 1950, Serial No. 169,784
4 Claims. (Cl. 260—2.5)

1. The method of making a gas-expanded organoplastic material which comprises mixing an aryl hydrazo triarylmethane of the formula R—NH·NH—CR'$_3$, where R is selected from the class consisting of aryl hydrocarbon, nitro-substituted aryl hydrocarbon, and chlor-substituted aryl hydrocarbon radicals, and R' is selected from the class consisting of aryl hydrocarbon and alkoxy-substituted aryl hydrocarbon radicals, with an organoplastic material which is capable of setting to a normally solid state and having sufficient consistency and tensile strength at temperatures of from 80° C. to 200° C. to retain the expanded structure resulting from the subsequent heating step, and decomposing said triarylmethane by heat to evolve nitrogen and expand said organoplastic material.

2,598,079
HIGH-SPEED PHOTOGRAPHIC SILVER HALIDE EMULSIONS SUPERSENSITIZED WITH PALLADIUM SALTS
Robert E. Stauffer and William F. Smith, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 31, 1948, Serial No. 47,108
15 Claims. (Cl. 95—7)

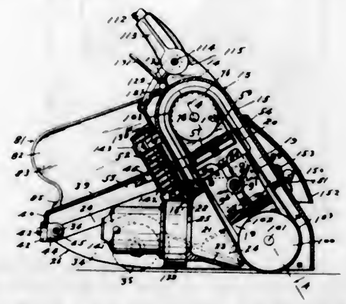


1. A high speed photographic silver halide emulsion sensitized with at least one gold compound in a concentration equal to from 0.0003 to 0.015% by moles of the silver halide in the emulsion, said emulsion containing as a supersensitizer, at least one palladium salt selected from the group consisting of palladium salts represented by the following general formulas:

M_2PdX_6 and M_2PdX_4

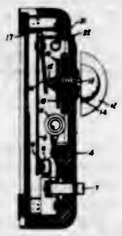
wherein M represents a member selected from the group consisting of an alkali metal atom and an ammonium radical, and X represents a halogen atom selected from the group consisting of chlorine, bromine and iodine atoms, the concentration of said palladium salt in the emulsion being equal to from 0.015 to 0.2% by moles of the silver halide in the emulsion.

2,598,080
FLOOR SANDING MACHINE
Joseph E. Swalinkavich, Jr., Robbinsdale, Minn.
Application April 2, 1949, Serial No. 85,157
15 Claims. (Cl. 51—174)



1. In a floor sanding machine, a frame, a lower drum journaled in the frame, a cam assembly in the frame including a pair of eccentric cams connected for common movement in vertical planes, means for operating the cams, an upper driven roll assembly in the frame including a cradle supported on the cams, a driven roll journaled in the cradle, an endless abrading belt arranged to run under the drum and over the driven roll, said drum supporting the frame from the floor and pressing the abrading belt thereon, a motor, and driving connections from the motor to the driven roll.

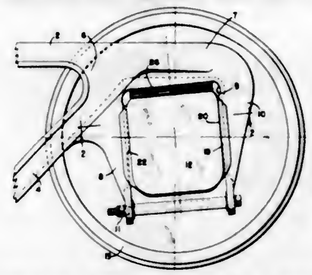
2,598,081
ELECTRIC BLANKET CONTROL
Henry C. Sway, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 2, 1948, Serial No. 69
2 Claims. (Cl. 219—46)



1. In combination, an electric blanket having a heating winding, and a control for regulating the flow of electric current through said winding comprising a casing separate from the blanket, a bimetallic thermostatic element mounted in the casing, contacts operated by said element, a main heating winding and an auxiliary heating winding for said bimetallic thermostatic element, heat from both said windings being required to effect normal cycling of the control, a circuit for connecting the blanket heating winding, said main heating winding and said contacts in series to a power supply source, a circuit for connecting said auxiliary heating winding to a power supply source, means mounting said main heating winding in the casing in direct thermal relation to said thermostatic element, and means mounting said auxiliary heating winding in the casing including a heat barrier between such winding and the thermostatic element through which heat from the auxiliary heating winding travels to reach the thermostatic element whereby when the control is turned on initially with said contacts closed, a prewarming period will transpire before normal cycling begins.

2,598,082
JOURNAL BOX MOUNTING
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 22, 1946, Serial No. 671,626
6 Claims. (Cl. 105—224)

1. In a railway car truck, a side frame having tension and compression members converging toward each end of the frame to provide an end portion, spaced depending pedestals below the end portion presenting opposed guide surfaces aligned longitudinally of the frame and sloping downwardly toward the adjacent end of the frame, said guide surfaces being arranged in parallel diagonal planes diverging from the vertical less than ten degrees, one pedestal being connected to the tension member and the other pedestal being connected to the outer end of said end portion, a wheel and axle assembly including a journal box interposed between said pedestals and in complementary direct frictional engagement with the surface on said other pedestal,



spring seats on the top of said box and on said end portion sloping upwardly toward the outer end of said end portion, and spring means compressed between said seats, said spring means being oriented to compress substantially parallel to said surfaces.

2,598,083
MOVEMENT UNIT FOR MECHANICAL PENCILS
Burton M. Tapner, North Scituate, R. I., assignor to Welsh Manufacturing Company, a corporation of Rhode Island
Application April 1, 1950, Serial No. 153,311
4 Claims. (Cl. 120—18)

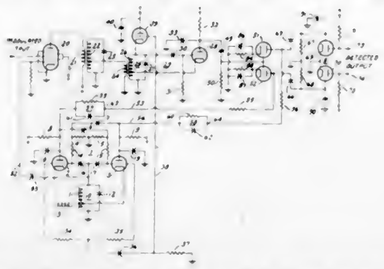


1. A movement unit for a mechanical pencil comprising two cylindrical tubes nesting one within the other, one tube having a helical slot and the other a longitudinal slot extending axially thereof, a lead carrier having a radial finger extending into both of said slots, an ejector within the carrier having a radial finger extending into both of said slots, a radial flange on said longitudinally slotted tube spaced from the end thereof against which said helically slotted tube abuts, said longitudinal slot extending beyond the flange and terminating to provide a stop located in the path of the said fingers of the lead carrier to be engaged thereby at a point beyond the end extremity of the helically slotted tube a distance sufficient to permit the said finger of the lead carrier to pass completely beyond the end of the helically slotted tube.

2,598,084
ANGLE MODULATED SIGNAL DEMODULATOR SYSTEM
Joseph C. Tellier, Penn Wynne, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 13, 1946, Serial No. 696,824
7 Claims. (Cl. 250—20)

5. In a receiver of angular-velocity modulated carrier wave signals, means supplied with an incoming modulated signal for producing a pair of modulated signals of differing carrier frequency, each having, during at least certain intervals, substantially the same modulation as said incoming signal, a frequency discriminatory device alternately supplied with said pro-

duced modulated signals, said frequency discriminatory device having a bandwidth sufficient to pass both of said last-named modulated signals and having a resonant frequency intermediate the carrier frequencies of said signals, and means for deriving a signal proportional to the



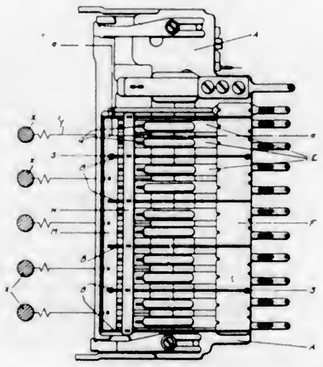
difference between the output of said frequency discriminatory device produced in response to one of said modulated signals of differing carrier frequency and the output of said frequency discriminatory device in response to the other of said modulated signals of differing carrier frequency.

2,598,085

CONTACT SUPPORT FOR CROSSBAR SWITCHES

Sten Daniel Vigren, Walter Otto Wilhelm Broberg, and Oscar Karl Johan Olsson, Stockholm, Sweden

Application August 26, 1948, Serial No. 46,264
In Sweden December 18, 1947
3 Claims. (Cl. 179—27.54)



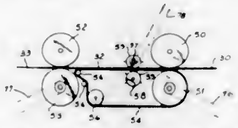
1. An arrangement in electric switching devices comprising a base structure, a plurality of groups of movable contact springs arranged side by side on said base structure, each of said groups comprising a plurality of movable contact springs in juxtaposed relation, means for controlling the movable contact springs of each group to perform a contact closure movement, a plurality of contact bars in juxtaposed relation having stationary counter-contact points thereon for cooperation with said movable contact springs, each contact bar extending substantially perpendicularly to the longitudinal direction of said movable contact springs as well as to the direction of said contact closure movement, counter-contact points on each contact bar cooperating with movable contact springs forming part of different spring groups and situated on substantially the same level relative to the said base structure, a plurality of supporting bars in juxtaposed relation having the movable contact springs affixed thereto, each of said supporting bars being common to movable contact springs of one and the same level, and a plurality of supporting plates rigidly connected with said base structure and extending transversally to said contact bars and supporting bars, and having at one edge slots for receiving said contact bars and at the edge opposite thereto slots for receiving said supporting bars.

2,598,086

METHOD AND APPARATUS FOR PRODUCING STAPLE FIBER YARN

Henry Von Kohorn, Westchester County, N. Y.

Application October 3, 1946, Serial No. 700,907
7 Claims. (Cl. 19—.35)



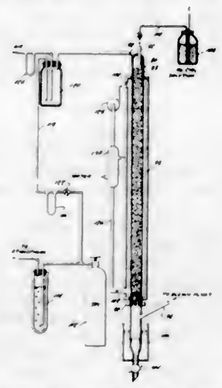
1. Apparatus for the production of staple fiber yarn from a bundle of continuous filaments comprising a pair of feed rollers, a pair of drawing rollers, means for driving at least one of said feed rollers, means for driving at least one of said drawing rollers at a greater peripheral speed than said feed rollers, a pair of cooperating filament cutting rollers disposed between said drawing and feeding rollers, said filament cutting rollers being provided with means for cutting said continuous filaments into staple fibers of predetermined uniform length in staggered, side-by-side relationship.

2,598,087

METHOD FOR PRODUCING CHLORINE DIOXIDE

Morris Wayman and William Howard Rapson, Hawkesbury, Ontario, Canada, assignors to Canadian International Paper Company, Montreal, Quebec, Canada, a corporation of the Province of Quebec

Application June 2, 1949, Serial No. 96,716
5 Claims. (Cl. 23—152)



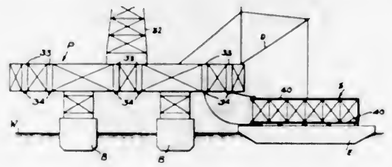
1. A continuous process for the production of gaseous chlorine dioxide by the reaction between gaseous sulphur dioxide and an aqueous solution of a metallic chlorate, consisting in the steps of supplying a continuous stream of an aqueous solution of a metallic chlorate to a packed reaction column at such a rate as to distribute said aqueous chlorate solution over the surfaces of the packing in said reaction column, cocurrently supplying a continuous stream of gaseous sulphur dioxide and an inert diluent gas to said reaction column to bring said sulphur dioxide into contact with the surface of the aqueous chlorate solution distributed over the packing in said column, employing a heat exchanging medium to cool said packed column in the zone of greatest reaction, and continuously withdrawing from said reaction column a gaseous mixture containing chlorine dioxide and said inert diluent gas.

2,598,088

OFFSHORE PLATFORM STRUCTURE AND METHOD OF ERECTING SAME

Harvey Ashton Wilson, Brazoria, Tex.

Application January 13, 1949, Serial No. 70,728
6 Claims. (Cl. 61—46)



1. The method of erecting an off-shore platform structure, which comprises, bodily transporting a unitary platform section to an offshore location buoyantly supported in horizontal position on barges, transporting a plurality of unitary elongated pier sections to said water location, connecting certain of said pier sections in depending position to spaced points on the underside of said platform section and others of said pier sections to the perimeter of said platform section at opposite sides thereof while the latter remains buoyantly supported on said barges, thereafter transferring the load of said platform section and the connected pier sections from buoyant support by said barges to direct support by said pier sections on the underlying land bottom, and finally removing said barges from beneath said platform section.

2,598,089

RADIO-FREQUENCY INDUCTANCE COILS

Ronald Albert Wilson, Felixstowe, England

Application March 16, 1949, Serial No. 81,667
In Great Britain March 18, 1948
5 Claims. (Cl. 250—40)

1. A combined radio frequency inductance coil and trimmer for mounting as a unit upon a panel, comprising a hollow cylindrical former of insulating material, a closure member of insulating material closing one end of said former, a coil wound upon the outer surface of said former, a first plate of a trimming condenser for said coil supported upon the outer surface of said closure member, a second plate for said condenser, an insulating layer between said first and second plates and threaded means substantially coaxial with said former means for adjusting the average spacing between said



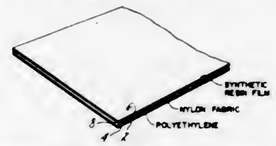
plates to vary the capacity of the trimming condenser.

2,598,090

MOISTUREPROOF PROTECTIVE MEMBRANE MATERIAL AND METHOD OF MAKING SAME

Ashun Yung, Merchantville, and William P. Lowden, Pitman, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application January 31, 1950, Serial No. 141,432
8 Claims. (Cl. 154—139)



1. A moisture-proof, membrane material comprising a sheet of woven fabric composed of a superpolyamide to one surface of which is laminated a sheet of water-proof material selected from the class consisting of polyethylene and polytetrafluoroethylene and having another surface sealed with a coating of a material consisting essentially of polyvinyl chloride and acrylonitrile.

6. A method of making a moisture-proof, membrane material comprising laminating to one side of a sheet of woven superpolyamide fabric a thin, flexible sheet of water-proof material selected from the class consisting of polyethylene and polytetrafluoroethylene by pressing said sheets together at a temperature above the softening point of said water-proof material, coating the other exposed surface of the fabric with a solution comprising polyvinyl chloride and acrylonitrile in volatile organic solvents, permitting the coated sheet to dry at room temperature, and then heating at elevated temperature to drive off all residual solvent.

2,598,091

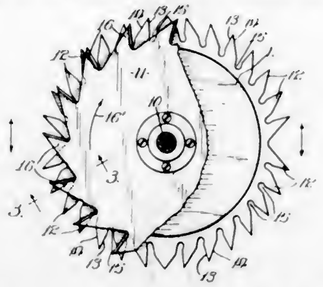
CUTTING DISK FOR LAWN MOWERS

John F. Ahlgrim, Palatine, Ill.

Application October 6, 1949, Serial No. 119,880
2 Claims. (Cl. 56—295)

1. In a traveling lawnmower of the type which utilizes a fixed circular toothed disc coacting with a rotatable circular toothed disc thereabove and

in concentric engaging relation therewith, the feature of improvement which consists in that each tooth of the lower disc, through the leading 180° of its periphery, has opposite sides converging to a point, and the contour of all the



said teeth varying symmetrically, but reversely, in the two quadrants on opposite sides of a diameter of the disc that is coincident with the line of mower travel to dispose one converging side of each substantially radially of the disc.

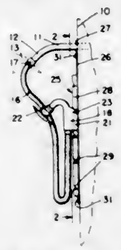
2,598,092

ADJUSTABLE SHOWER APPARATUS

Betty A. Alvey, San Bernardino, Calif.

Application February 10, 1950, Serial No. 143,410

5 Claims. (Cl. 4—145)



1. An accessory adapted to be combined with installed shower installations of the type having an outlet pipe and a conventional spray nozzle at a fixed height, comprising: a vertically elongated bracket including a hook at its upper end adapted to be hung over the outlet pipe, and formed between its ends with a plurality of vertically spaced seats, a shower head including a spray nozzle and seating means adapted selectively to be positioned in the seats of said brackets to determine the vertical height of said head, and a flexible conduit connecting said head to the end of said outlet pipe from which the conventional spray nozzle has been removed, said conduit having sufficient length to permit of the vertical adjustment of said head along said bracket.

2,598,093

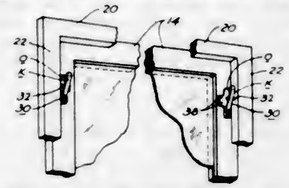
SASH HANGER

Cecil F. Arens, South Bend, Ind.

Application December 13, 1946, Serial No. 716,111

4 Claims. (Cl. 16—172)

1. A fastener for a sash comprising a first strip attachable to an inside upper corner of a sash and having its upper end bent outwardly to form a hook, and a resilient second strip attached to the base of the first strip and inclined outwardly from the plane of the first strip, said second strip extending against and beyond the hook of the first strip to guide a pin attached at right angles to a sash frame into the enclosed



space between the two strips and to resiliently receive such a pin against the second strip thereby urging the sash inwardly into its frame as the sash is moved upwardly into its frame.

2,598,094

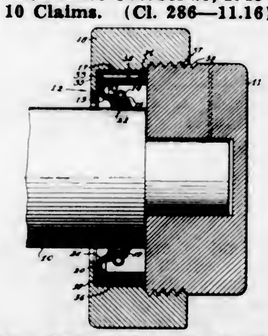
BEARING SEAL

Gaston Augereau, Paris, France, assignor to "Le Joint Francais," Bezons, France, a corporation of France

Application October 28, 1946, Serial No. 706,202

In France October 29, 1945

10 Claims. (Cl. 286—11.16)



1. A sealing device for use in abutting relation with a member which is adapted to interiorly receive a rotatable shaft, comprising a split annular sealing element having a foot portion adapted to engage the shaft and an outwardly projecting leg portion, spring means mounted for constricting said foot portion about the shaft, a split annular supporting part adapted to be mounted surrounding the shaft and interposed between said member and said leg portion, means removably securing said supporting part to said leg portion, adjustable means for holding said supporting part in tight engagement with said member, said adjustable means comprising a flanged hollow cover piece adjustably mounted on said member and having its interior surface in tight engagement with the top of said leg portion and its outer surface of said annular supporting part, the foot portion having annular grooves in its top and bottom surfaces, and the spring means comprising a garter spring mounted in the groove on the top of the foot portion, and a pair of flexible coupling members mounted in said last named groove beneath said spring means and each of said coupling members having one of its ends secured to one end of the foot portion adjacent the split and extending circumferentially around the foot portion across the split of said annular sealing member and connected to an end of said spring, said coupling members being interlaced in their passage adjacent said split of said annular sealing element between the ends of said spring.

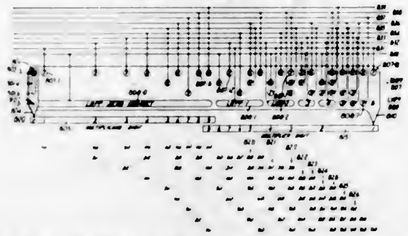
2,598,095

PARTIAL PRODUCT MULTIPLYING MACHINE

Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California

Original application October 16, 1943, Serial No. 506,519. Divided and this application December 23, 1947, Serial No. 793,503. In Canada June 12, 1947

4 Claims. (Cl. 235—61)



1. In a partial product multiplying mechanism for calculating machines; the combination of, factor selecting mechanism including, a multiplicand factor member and a multiplier factor member each movable to a plurality of positions to establish in accordance with an approximate logarithmic scale a mechanical representation of the factor digits zero to nine, the spacings of said positions being composed of whole multiples of a given increment of distance, a plurality of operating elements mounted on one of said members and located thereon at approximately logarithmic spacings composed of whole multiples of said given increment, said elements being arranged in groups and corresponding respectively to the partial product digits of the multiplication table, each element of said group corresponding to a different partial product digit, cooperating elements mounted on the other one of said members, with means for moving said two factor members each individually to the one of said positions corresponding to a respective multiplicand or multiplier factor digit to bring said cooperating elements into operative relationship with one of said groups of operating elements, means operable in response to movement of either of said members to a position thereof which corresponds to a five factor digit to render said cooperating elements effective to select one of the operating elements of said group; and means operable in response to movement of either of said members to a position corresponding to a seven factor digit to render said cooperating elements effective to select another one of the operating elements of said group.

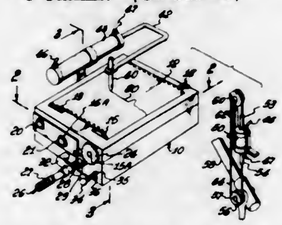
2,598,096

VEHICLE POSITION INDICATOR

Florent H. Bailly, Pasadena, Calif.

Application July 18, 1949, Serial No. 105,405

5 Claims. (Cl. 346—8)



4. In surveying apparatus for use in a vehicle having a housing, a movable chart mounted in the housing, means for causing the chart to move in the housing at a rate proportional to the speed of the vehicle, and means for marking on the chart, the improvement comprising hydraulic means having a movable piston coupled to the marking means for causing the marking means to move normal to the direction of movement of the chart in response to displacements of the piston, and means connected to the pitman pin of the steering assembly of the vehicle and to the hydraulic means for causing said piston to move in accordance with the direction of movement of the steering assembly of the vehicle and in proportion to the angle of turn of the vehicle.

2,598,097

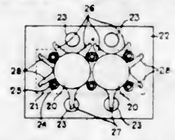
ASSEMBLING AND CONNECTING NON-LINEAR RESISTANCE ELEMENTS

George Thomas Baker, Liverpool, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware

Application April 26, 1946, Serial No. 665,020

In Great Britain June 13, 1945

8 Claims. (Cl. 201—68)



5. In an assembly of non-linear resistance elements, a plurality of pairs of non-linear resistance elements each having a plurality of faces, connecting means for each face of each resistance element, assembly means for clamping together rigidly in columns a plurality of said pairs and a plurality of said connecting means, said assembly means comprising insulated rods extending longitudinally of said columns and adjacent edges of said resistance elements so as to prevent lateral movement thereof in any direction.

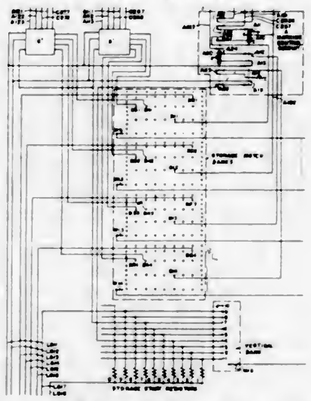
2,598,098

TELEPHONE CALL DISTRIBUTING SYSTEM

Harvey W. Balzer, Downers Grove, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application August 24, 1946, Serial No. 692,884

31 Claims. (Cl. 179—27)



1. In a telephone system, a group of finder switches, a plurality of operator positions, a re-

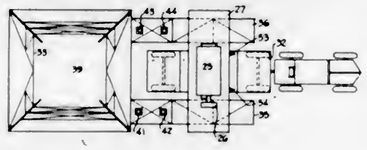
lay, means for operating said relay, means operated in response to the operation of said relay to control the starting and stopping of any one of said finder switches, means operated in response to the stopping of said one finder switch to release said relay, control means for reoperating said relay under control of any one of said operator positions, and means operated in response to the reoperation of said relay for controlling the release of said one finder switch.

2,598,099

METHOD AND APPARATUS FOR INSTALLING DRILLING EQUIPMENT

William F. Bates, South Pasadena, James N. Gregory, La Habra, and Alfred H. Curry, Wilmington, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application March 15, 1948, Serial No. 15,024
3 Claims. (Cl. 214—38)



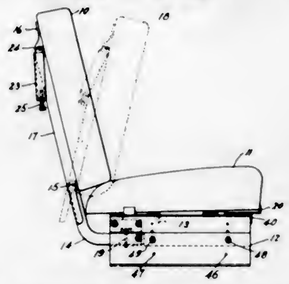
3. Equipment for transferring an elongated load of drilling equipment from movable truck means to a derrick installation, said equipment consisting of the combination of base support means forming part of the derrick installation and turntable means carried on the movable truck means, said base support means comprising two spaced pier members extending parallel to each other to one side of the derrick, the spacing between said pier members being in excess of the width of the truck means, and jack means within the periphery of each of said pier members adapted to be expanded vertically above the upper face of said pier members, and said turntable means comprising a lower plate member adapted to rest detachably on the truck means, said lower plate having retractable legs attached to its lower face, an upper plate member supported on the upper face of the lower plate member and adapted to support the load, said upper plate member having a length in excess of the spacing between said pier members and being mounted on the truck means at a level higher than that of the upper face of said pier members, and pivot means passing through said upper and lower plate members and affixing them together for sliding rotational motion with regard to each other whereby the truck means carrying a load on said turntable with said upper plate disposed co-longitudinally with the truck means can be placed between said pier members, the upper plate and the load rotated about said pivot means through an angle of substantially 90 degrees to position the ends of said upper plate over the upper faces of said pier members, said turntable and the load thereon lifted by means of said jack means from the truck means, the truck means removed, the jack means collapsed to support the ends of said upper plate on said piers, the lower plate rotatably adjusted to a desired position with regard to the upper plate, and the retractable legs on said lower plate expanded against the ground to support the middle portion of said upper plate.

2,598,100

VEHICLE SEAT CONVERTIBLE TO A BED

Ralph A. Battles, El Monte, Calif., assignor of fifty per cent to Willis R. Battles, Redondo Beach, Calif.

Application October 28, 1946, Serial No. 706,203
7 Claims. (Cl. 155—7)



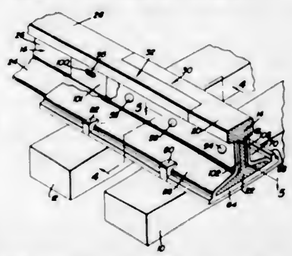
1. In an automobile seat comprising a first cushion member, a second cushion member and means for mounting the first cushion member in a substantially horizontal position above the automobile floor, the improvement comprising a separate mounting means affixed at each end of the first cushion member, a separate rigid elbow mounted in each mounting means with an end of the elbow projecting rearwardly and upwardly from the mounting means, the second cushion member being removably and pivotally mounted to the upwardly extending ends of the elbows so as to be free to rotate toward the front of the automobile, and means for releasing the elbows in the mounting means so that when the second cushion member is detached from the elbows they will be free to rotate in the mounting means.

2,598,101

SCARF JOINT FOR RAILROAD RAILS

Edward W. Baumann, Deming, N. Mex.

Application May 31, 1950, Serial No. 165,340
1 Claim. (Cl. 238—232)



An assembly for connecting confronting ends of rails which have bases with webs rising therefrom and rail balls at the upper extremities of the webs, said assembly comprising an offset extension of each of said rail webs and balls in nested relation, said extensions having apertures therein and provided with concave confronting sides, means disposed in said apertures to pull said concave confronting sides together and to hold said extensions assembled, a base plate disposed below the bases of said extensions, a side plate rising from said base plate and engaging one of said extensions and the ball of said one of said extensions, said means being passed through openings in said side plate, a shoulder fixed to said base plate, a counter plate abutting said shoulder and engaging the web and a part of the ball of the extension, and said means being passed through openings in said counter plate to pull said counter plate tightly against said other extension, the web of each extension being of a thickness equal to the rail web thickness, and shims disposed between the webs of the rails, said side plate and said counter plate.

2,598,102

HEAT INSULATING MATERIAL

Mason Baxter, San Francisco, Calif., assignor to James D. Akins, Los Angeles, Calif.

No Drawing. Application December 18, 1948, Serial No. 66,141
5 Claims. (Cl. 106—121)

3. A heat insulating body comprising as major ingredients magnesia and a binder, comprising an intimate mixture of fiberglass fibers having great strength and heat resistance and sufficient affinity for each other to prevent their free dispersion in an aqueous solution of the magnesia, and slag wool pellets having fibers of less strength and heat resistance, said fiberglass fibers being embedded in, through and around the slag wool pellets in a substantially complete state of dispersion whereby the fiberglass fibers are prevented from matting when the binder is mixed in an aqueous solution of the said magnesia.

2,598,103

RIBOFLAVIN-GLYOXAL CONDENSATION PRODUCTS

Jean Q. Bellard, Indianapolis, and George H. F. Schnakenberg, Plainfield, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application July 30, 1949, Serial No. 107,824
5 Claims. (Cl. 260—211.3)

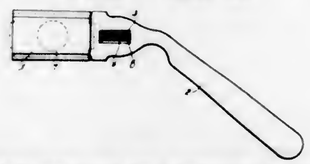
1. The condensation product formed by heating 1 part of riboflavin with about 2 to 5 parts of glyoxal in aqueous solution.

2,598,104

SAFETY RAZOR

Armando Julio Bianchi, Buenos Aires, Argentina

Application November 7, 1949, Serial No. 784,712
In Argentina December 23, 1946
1 Claim. (Cl. 30—53)



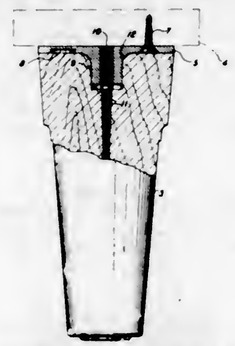
A safety razor of the removable blade type comprising a handle, said handle having a first and a second portion, said first portion constituting a gripping member and said second portion constituting a supporting member having a blade-holding head, said first and second portions of said handle being offset at an obtuse angle, a pivot post slidably mounted in said second portion, a blade-holding head fixed to the free end of said pivot post and supported thereby, spring means surrounding said pivot post and normally forcing said head against said handle, means in said pivot post for causing the compression of said spring upon forcing said head away from said handle through sliding of said pivot pin outwardly of said handle, said head being rotatable along with said pivot post when so forced away from said handle so as to assume a selected one of two shaving positions at 180° from each other and in the same plane as said handle.

2,598,105

LEG CONSTRUCTION FOR FURNITURE

Jay E. Bolling, Los Angeles, Calif.

Application November 22, 1948, Serial No. 61,370
1 Claim. (Cl. 5—310)



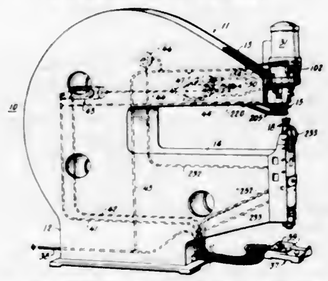
In a leg member for supporting furniture and the like subjacently; a supporting element having a central bore at the top thereof, a plate having means for securing it to the under portion of the piece of furniture to be supported, the plate having a depending integral portion which snugly fits into the said bore, said portion having a threaded bore, and an anchoring stem firmly fixed to the supporting element and extending upwardly through the bore of the element and threadedly engaging the threads in the depending portion.

2,598,106

DRILLING ATTACHMENT FOR RIVETING MACHINES

Frank A. Boyle, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware

Application October 4, 1949, Serial No. 119,469
8 Claims. (Cl. 29—26)



1. In a riveting machine having a pair of mutually opposed jaws with a work piece supporting anvil assembly mounted upon one jaw and a drilling assembly and a rivet holding member, each supported for swinging movement upon the opposite jaw adapted to be alternately positioned over said anvil assembly and alternately movable into engagement with a work piece to be perforated and riveted, said drilling assembly com-

prising a rotary cutting tool and drive means operatively connected to said rotary cutting tool for rotating it, clamping means operatively mounted on said jaw which supports said drilling assembly and said rivet holding member adapted to move toward the anvil assembly supporting jaw to contact and press upon the work piece prior to and during perforation thereof by the rotary cutting tool, said clamping means comprising an elongated member having one end pivotally secured to the jaw supporting the drilling assembly, an air cylinder having a piston movable toward and away from the work piece, and means effecting a lost motion connection between the piston and said elongated member whereby said elongated member is movable to the work piece to bring its free end into clamping engagement therewith, and a locating pin member slidably supported by said anvil assembly adapted to move into an opening cut into the work piece upon withdrawal of the rotary cutting tool and the elongated member therefrom.

2,598,107
NOVELTY TOY SPECTACLE
Lauren B. Brandvig, Minneapolis, Minn.
Application March 21, 1949, Serial No. 82,498
1 Claim. (Cl. 46—1)



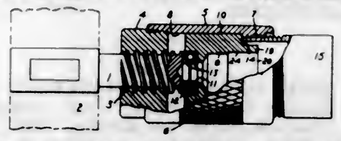
A novelty device made from a single blank of a sheet material comprising a pair of enlarged circular disks secured together in spaced relation by an integral elongated strap-like element having its central portion bent to provide a U-shaped nose piece formed with a longitudinal reinforcing bead extending the length thereof, said disks being cupped to fit over the eyes of a wearer and having their central wall portions recessed and formed to simulate the eyes of the wearer, each of said recessed portions having an aperture in its central portion through which the wearer may see when the device is in use, and the marginal edges of said cup-shaped portions being upwardly turned to provide rounded edges for engaging the flesh around the wearer's eyes, said rounded edges also strengthening said marginal edges to minimize distortion thereof when carried in a pocket or when in use.

2,598,108
DEHYDRATION OF CASTOR OIL
Ronald James Carter and Mary Bristow, Slough, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 6, 1950, Serial No. 137,268. In Great Britain January 10, 1949
4 Claims. (Cl. 260—405.5)

1. A process of dehydrating castor oil which comprises heating castor oil in the presence of ortho-phosphorous acid.

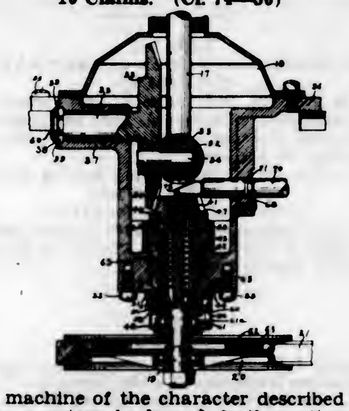
2,598,109
NIPPLE CHUCK
Anthony R. Chasar, Cleveland, Ohio, assignor to The Oster Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 27, 1949, Serial No. 135,161
6 Claims. (Cl. 279—7)

3. A nipple chuck comprising a spindle having an externally screw threaded end portion, a sleeve having an internally screw threaded inner end portion receiving the threaded end of the spindle and an outer end portion projecting beyond the end of the spindle, said projecting portion of the sleeve having a nipple socket fixed thereto and coaxial therewith and provided with an internal screw thread of the same hand but of substantially less lead than the screw threaded



inner end of the sleeve, an axially movable thrust member slidably and rotatably fitting in the sleeve independently of the spindle between the end of the spindle and said socket and having a face portion engageable with the end of a nipple in said socket, and an antifriction ball thrust bearing interposed between the thrust member and spindle.

2,598,110
DOMESTIC APPLIANCE DRIVE
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 2, 1947, Serial No. 745,395
10 Claims. (Cl. 74—50)

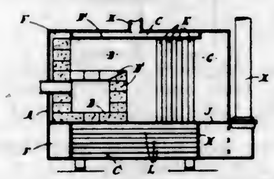


1. A machine of the character described comprising: a rotary-back and forth motion converting means; a back and forth shaft extending from, and driven by, said converting means; a rotary drive member having an axis in the same direction as said shaft; a rotatable sleeve member coaxial with said drive member and extending into and driving said converting means; one of said members being axially movable; and a clutch between said drive member and sleeve member engageable and disengageable by axial movement of said one of said members.

2,598,111
WATER-HEATING MEANS
William G. G. Cuddon, Blenheim, Marlborough, New Zealand
Application August 6, 1947, Serial No. 766,495
In New Zealand February 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1965
1 Claim. (Cl. 122—147)

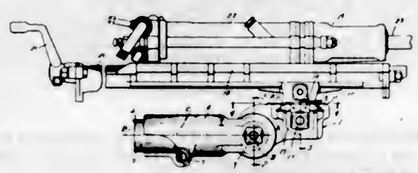
A water heater comprising the combination with a horizontal cylindrical boiler casing, of a

heating chamber disposed longitudinally within the casing so as to provide for a water holding space extending around the bottom, the sides and the top of the chamber between it and the casing and to provide for heat spaces in the casing at the front and rear ends of the casing, a plurality of fire tubes connected to the front and rear heat spaces and extending along through the water space at the sides of the chamber within the casing, a plurality of fire tubes connected to the heat space at the front end of the casing and extending along the water space beneath the chamber to a flue escape at the rear end of the boiler casing, the heat gases



from the heating chamber passing out from the rear end thereof, and then forwardly through the fire tubes at the sides of the chamber, and then rearwardly through the fire tubes below the bottom of such chamber, to the escape flue at the rear of the boiler, a hearth having raised sides and back fire bridge disposed in the forward end of the chamber, said sides and back fire bridge extending a substantial distance vertically in said chamber, and a plurality of water tubes passing vertically through the chamber to connect the space below and above the chamber distributed over the area thereof and arranged in the chamber behind the back fire bridge.

2,598,112
DRILLING APPARATUS
John C. Curtis, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application August 21, 1945, Serial No. 611,827
8 Claims. (Cl. 255—51)



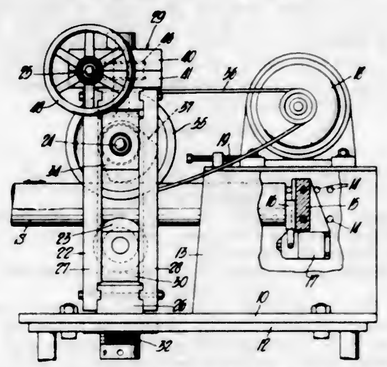
1. In a drill saddle mounting, the combination comprising a support having an outer end, a saddle frame, means for swivelly mounting said saddle frame on said support to turn about an axis transverse to said support, a drill support, and means for swivelly mounting said drill support on said saddle frame to turn about an axis disposed, in at least one position of said saddle frame, in advance of said outer end of said first mentioned support with said last mentioned axis at right angles to a line parallel with said swivel axis and lying in a plane parallel to said swivel axis of said saddle frame, said plane in which the axis of said drill support lies, when said saddle frame is in said one position, falling beyond the outside limits of said outer end of said first mentioned support.

2,598,113
VEHICLE TRANSPORT UNIT
Harvey B. Dawson, El Monte, Calif.
Application July 5, 1949, Serial No. 103,000
2 Claims. (Cl. 296—1)



2. A vehicle transport unit comprising: a structure arranged with traction wheels for movement over a highway; a main deck formed with runways for supporting vehicles to be transported on said unit; an upper deck formed of relatively fixed and movable sections for supporting other vehicles thereon; means for movably supporting certain sections of the upper deck for extension laterally in opposite directions out of positions of interference with vehicles as they are loaded on and unloaded from positions on the main deck, the supporting means for the movable deck sections including sets of transverse guides borne by said structure and composed of relatively stationary and slidable members telescopically arranged; and frictionless bearings borne by corresponding guide members and engageable with the associated guide members, a guide member of each set having a stop device for engagement with a stationary part of the structure for limiting the outward extension of the movable upper deck sections to predetermined points.

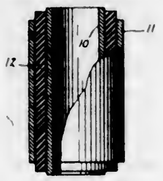
2,598,114
DEVICE FOR MARKING AND EJECTING ELONGATED ARTICLES
David I. Dilworth, Lorain, Ohio, assignor to United States Steel Company, a corporation of New Jersey
Application July 14, 1948, Serial No. 38,722
5 Claims. (Cl. 101—6)



1. A device for marking and ejecting elongated articles comprising means for movably supporting an article, a rotatable marking wheel spaced above said article supporting means and normally occupying a stationary position in which it clears an article moving along said article supporting means, means for driving said marking wheel, a limit switch spaced longitudinally from said marking wheel and adapted to be engaged by an end of the article supported on said article supporting means after a length of the ar-

ticle equivalent to the longitudinal spacing between said marking wheel and said limit switch passes said marking wheel, said limit switch being operatively connected with said driving means for starting rotation of said marking wheel on engagement of the limit switch by the article, said marking wheel on rotating from its normal stationary position engaging the article and simultaneously marking and ejecting the article by propelling it away from said limit switch, in a reverse direction from its previous movement, and an additional limit switch operated by said driving means when said marking wheel rotates back to its normal stationary position for stopping said driving means.

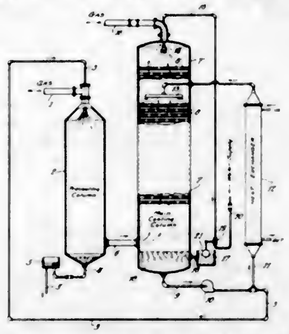
2,598,115
RESILIENT MOUNTING
Howard M. Dodge, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 20, 1948, Serial No. 55,529
2 Claims. (Cl. 287—85)



1. A resilient mounting comprising a rigid elongated core, a rigid outer tube shorter than the core, and a tubular elastic rubber bushing surrounding the core within said tube and under radial compression between the tube and the core, said bushing having an elongated body portion of substantially uniform radial thickness from end to end and formed to an internal diameter materially less than the external diameter of said core and to an external diameter materially greater than the internal diameter of said tube and tubular end portions projecting from said body portion that are of less radial thickness than the body portion and that conform without stretching to the exterior of the core, said end portions of the bushing being unstressed in the assembled mounting and being exposed beyond the ends of said outer tube.

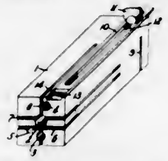
2,598,116
PROCESS FOR COOLING SULFUR BURNER GAS
Horace A. Du Bois, Neenah, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin
Application May 7, 1948, Serial No. 25,746
5 Claims. (Cl. 183—120)

1. The method of cooling hot sulphur dioxide-containing gases which comprises bringing the gases in a precooling zone in contact with an aqueous liquor derived from a subsequently encountered second cooling zone, said liquor being heated by the hot gases in said precooling zone to a temperature at which the cooling liquor has negligible solubility for sulphur dioxide, bringing the resulting precooled gases in a second cooling zone in contact with an aqueous liquor derived in part from a subsequently encountered third cooling zone, abstracting a fraction of the liquor which has become heated by the gases in said second cooling zone, supplying the abstracted heated liquor to said precooling zone, bringing the resulting partially cooled gases in a third cooling zone in contact with cool water, feeding the resulting aqueous liquor derived from the cool water to the second cooling zone, and



supplying the cool water to said third cooling zone at a rate substantially equal to the rate liquor is abstracted from the second cooling zone and supplied to the precooling zone.

2,598,117
SAW GAUGE AND GUIDE
Jesse P. Ethridge, Louisville, Ga.
Application June 14, 1948, Serial No. 32,933
10 Claims. (Cl. 29—67)

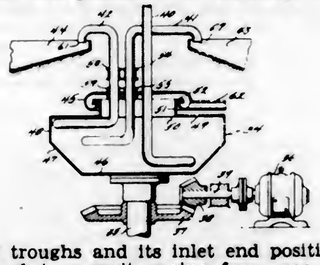


1. A gauge and guide, comprising a guide member having a bore to axially receive and the wall of which will embrace a workpiece to restrain the same against movement transversely of the bore, said guide member provided also with a slot in substantial alignment with and intersecting said bore and terminating at one end within said guide member, the walls of said slot at opposite sides of said bore serving to guide a cutting tool to cut longitudinally of said workpiece within said bore.

2,598,118
CENTRIFUGAL APPARATUS FOR SEGREGATING CONSTITUENTS OF DIFFERENT SPECIFIC GRAVITIES
Michel Galmiche, Paris, France, assignor to Societe Jaruza A. G. Chur, Zurich, Switzerland, a Swiss company
Application October 27, 1949, Serial No. 123,888
In France October 28, 1948
4 Claims. (Cl. 233—22)

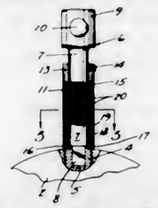
1. A centrifugal machine for segregating grains of different sizes and specific gravities from a suspension containing such grains, comprising an upright rotary bowl, a plurality of fixed troughs positioned above said bowl; a fixed conduit extending downwardly through the open upper end of the bowl for delivering the suspension into the bowl; means for rotating the bowl at a high speed, so that centrifugal force will cause the grains to arrange themselves into horizontally spaced concentric zones of increasing specific gravities, as the distance from the axis

of rotation increases; and a plurality of evacuation pipes extending above the upper end portion of the bowl and downwardly through the open upper end thereof; each of said pipes having its outlet end positioned to discharge into one



of said troughs and its inlet end positioned in said bowl to permit grains from one of said zones to enter the pipe, whereby the grains in the separate zones of said bowl are discharged into the separate troughs.

2,598,119
CHUCK WRENCH EJECTOR
John W. Goff, St. Paul, Minn.
Application May 9, 1949, Serial No. 92,098
3 Claims. (Cl. 81—71)

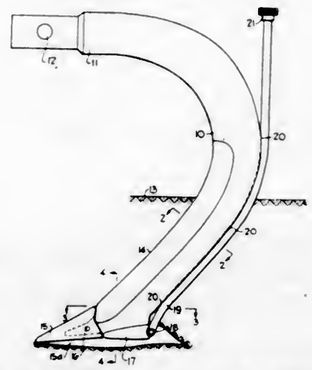


1. An ejector for a manually-operated chuck wrench of the type having a shank terminating in a chuck-engaging head, said ejector comprising a relatively stationary cylindrical housing adapted to be removably secured to the shank of said wrench and encompass the same above the head thereof, a sleeve concentric with said housing and axially slidable therein from an axially outwardly-projected head-encircling position to a position wherein said sleeve is contained entirely within said casing above said head, stop means limiting movement of said sleeve in an axially outward direction, and yielding means biasing said sleeve toward its outwardly-projected position.

2,598,120
VAT DYEING OF ACRYLONITRILE POLYMERS USING POTASSIUM IONS
Esther Meryl Griffith, Bloomington, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 3, 1949, Serial No. 79,521
13 Claims. (Cl. 8—4)

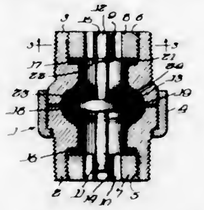
1. A process of dyeing an acrylonitrile polymer containing at least 85% acrylonitrile which comprises treating said polymer with an aqueous dye bath having a pH of from about 10 to about 12.5 and containing from 2 to 32 equivalent weights of an ionizable potassium compound per 100 parts of said polymer, said equivalent weights being expressed in the same units as said parts and in solution a reduced vat dye selected from the group consisting of indigo and thioindigo vat dyes.

2,598,121
SOIL INJECTOR
Lester S. Hannibal, Concord, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 21, 1948, Serial No. 34,183
10 Claims. (Cl. 111—7)



1. An injector for injecting a treating fluid into soil beneath the surface thereof comprising: a thin supporting shank disposed in a vertical plane and adapted to penetrate said soil and to be moved through the soil; an enlarged body at the lower end of said shank adapted for generally horizontal movement beneath said surface having a point at the front thereof and widening gradually toward the rear to extend laterally beyond at least one side of the shank, said body having an upper surface located laterally beyond the said one side of the shank and sloping upwardly toward the rear; first duct means for supplying treating fluid downwardly from the top of the shank to said body; and second duct means on said body communicating with said first duct means having at least one discharge opening located near the rear of the body at a level above that of the point and below the highest part of said upper surface, said discharge opening being directed to the said one side for discharging said fluid laterally into the soil.

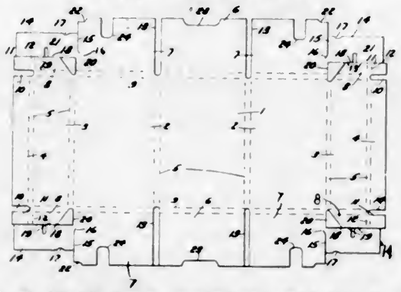
2,598,122
CHECK VALVE
George Hansen, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 12, 1948, Serial No. 26,509
10 Claims. (Cl. 251—122)



6. A check valve comprising in combination a casing having a flow passage therethrough, a closure member reciprocably movable within said casing, an expandible bellows substantially lining a portion of the flow passage of the casing upon

being expanded, the said closure member being normally snugly receivable within an enlarged inner portion of the said bellows to provide a fluid sealing contact therebetween whereby upon the occurrence of fluid flow within said casing the said bellows is expanded outwardly to contact inner surface walls of the casing and the closure member is axially moved limitly to provide an annular passage between the interior of the said bellows and a peripheral portion of the closure member, the said casing being vented to atmosphere whereby upon cessation of fluid flow the closure member moves axially to seat within the casing and the said bellows contracting engages the peripheral portion of the said closure member to seat the latter member within the bellows in fluid sealing relation.

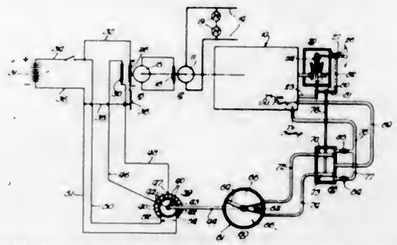
2,598,123
CONTAINER
James A. Hollinshead, Monroe, Mich., assignor to Consolidated Paper Company, Monroe, Mich., a corporation of Michigan
Application October 11, 1949, Serial No. 120,613
2 Claims. (Cl. 229—16)



1. A blank for a container, said blank comprising three parallel series of separated sections, the central section comprising in series a flange, a lid section, a side, a bottom, a second side, a second lid section and a flange therefrom, and each of the two side series, separated from said central series by scorings and extending the full length of said central series, comprising: end flanges on said lid sections, half-end sections extending from said sides and having open ended slits at their outer edges which cooperate when all said sections are folded together into said container to form grip portions for hand holes at each end of said container, lower end sections extending from said bottom for spanning said half-end sections below said grip portions of said hand holes of said container, and rectangular minor sections extending longitudinally of said blank parallel to said series of sections and secured to said half-end sections only at one inner corner of said minor sections by a bendable section, said bendable section being adjacent said open ended slit and providing, when folded into a container, overlapping pairs of said minor sections spanning said half-end sections above said grip portions of each hand hole.

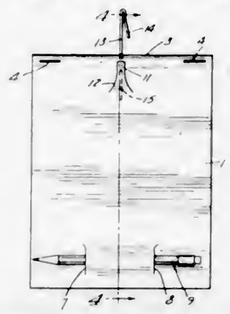
2,598,124
POWER PLANT REGULATION
Gunnard T. Holt and John K. Stotz, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application December 28, 1949, Serial No. 135,508
11 Claims. (Cl. 290—40)

11. An output regulator mechanism for an engine generator power plant, comprising speed and output regulating means for the engine, output controlling means for the generator to regulate the load to the engine, said controlling means including a constant potential direct current source, an exciter having only two field windings one thereof energized from said source at a predetermined constant potential, and control means in circuit with said source and the other of said field windings, operable to determine and vary the excitation of the field winding



selectively differentially and cumulatively with respect to the first said field winding, power means adapted for operating said control means, a control device for said power means including a movable control member for controlling the application of power to said power means, governor means responsive to variations in engine speed for actuating said engine regulating means and for moving said control member, and means for modifying the response of said governor means.

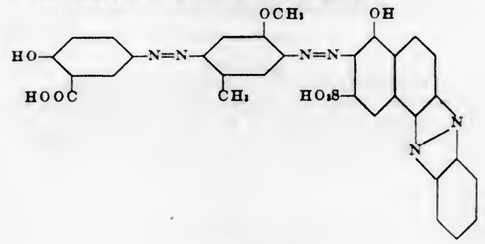
2,598,125
RECEIPT HOLDER
Edsel C. Isaacson, St. Paul, Minn.
Application June 19, 1950, Serial No. 169,004
2 Claims. (Cl. 129—23)



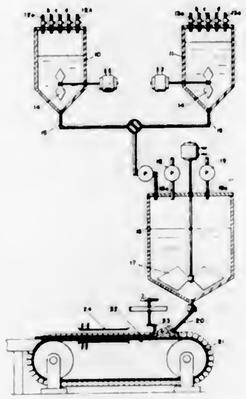
1. In a device of the class described, front and back cover members of sheet material connected at their upper marginal edge portions for outward and upward swinging movements of the front cover member with respect to the back cover member, said back cover member being provided with a central opening adjacent its upper edge, said front cover member being provided with a V-shaped slot aligned with the opening in said back cover member, a suspension element in the nature of a stem having a downwardly-opening hook at its upper end and an upwardly-opening hook at its lower end, said hooks being angularly disposed at substantially ninety degrees with respect to each other, the lower of said hooks being adapted to extend through the opening in the back wall member with its free end projecting through the V-slot in the front wall member, and an upwardly-projecting resilient tongue on said front wall member normally biased toward a position to close said V-slot said tongue being forwardly-displaced by said lower hook when said upper hook is caused to lie flat in a supporting position against a wall surface.

2,598,126
AZO DYESTUFFS AND A PROCESS OF MAKING SAME
Ernst Iselin and Walter Wehrli, Basel, Switzerland, assignors to Sandoz Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application July 13, 1949, Serial No. 104,588. In Switzerland July 16, 1948
13 Claims. (Cl. 260—154)

12. The azo dyestuff of the formula

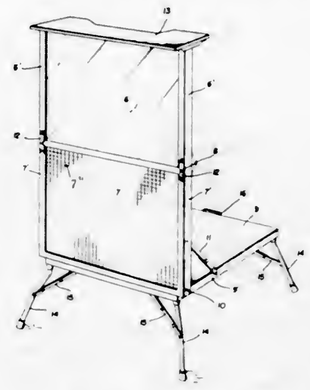


2,598,127
METHOD OF PREPARING SPONGE RUBBER AND PRODUCTS PRODUCED THEREBY
Norman F. Keckler, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application July 21, 1949, Serial No. 105,952
11 Claims. (Cl. 260—2.5)



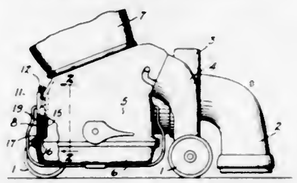
1. In a method of making sponge rubber, the steps of mixing at approximately room temperature an aqueous dispersion of a rubber latex, a stabilizer, an acid in quantity lowering the pH of the dispersion to approximately neutrality, a peroxide soluble in aqueous mediums, a peroxide decomposing enzyme, and a polyvinyl methyl ether, expanding the mixture to cellular structure foam by the gas liberated through the enzyme reaction, gelling the foam through the action of gelling agents at temperatures above 35° C., and vulcanizing the foam by heating.

2,598,128
SPEAKER'S FOLDING STAND
Melvin E. Liechty, Berne, Ind.
Application January 5, 1950, Serial No. 136,923
5 Claims. (Cl. 311—2)



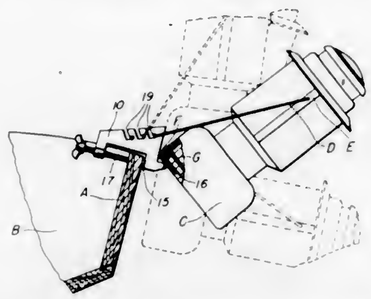
1. A speaker's folding portable stand consisting of upper and lower hinged panels, said upper panel having secured on its top a bench, the lower panel having numerous vent openings therein, a platform hingedly connected to the bottom of said lower panel, foldable braces connecting the platform and said lower panel for holding said lower panel erect, and foldable legs supporting said platform in an elevated position provided with hinged braces connecting said legs with said platform, said platform being adapted to be folded against said lower panel, and said upper panel being foldable against he bottom of said platform to conceal said legs when folded therein, and said bench being disposed to underlie the platform and the lower end of said lower panel when the stand is completely collapsed.

2,598,129
DEODORIZER
Charles H. MacFarland, Cleveland, Ohio, assignor to The Scott & Fetzer Company, Cleveland, Ohio, a corporation of Ohio
Application August 30, 1949, Serial No. 113,138
6 Claims. (Cl. 21—127)



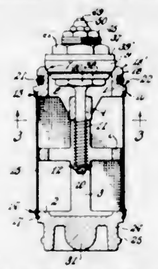
1. In a vacuum cleaner a dust collecting chamber provided with an inlet for dust laden air and an air outlet and having a wall provided with a passage opening to the chamber through which liquid may be introduced into the chamber intermediate the inlet and outlet, a pad of absorbent material within said chamber and having a portion of its surface exposed to the air within said chamber, and a retainer for holding said pad against said wall in position to cover the passage opening and receive liquid delivered through said passage.

2,598,130
LANTERN BRACKET
Thomas D. Mallison, Dallas, Tex.
Application May 3, 1949, Serial No. 91,166
5 Claims. (Cl. 248—226)



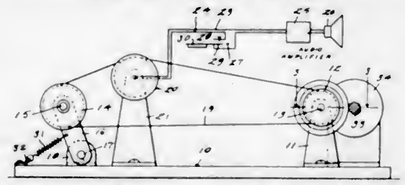
1. A lantern bracket including, a body having a top and a bottom with a depending member and a hanger spaced from the member and depending from the bottom of the body, whereby the body may be engaged over a support with the member and hanger on opposite sides thereof, a screw mounted in the member and coacting with the hanger for securing the body in a fixed position, and a fulcrum member extending outwardly from the hanger having means for engaging under the rim of the bottom of a lantern fulcrumed thereon, the top of the body having spaced projections any of which may receive the bail of a lantern fulcrumed on the fulcrum member for supporting a lantern in a selected inclined position.

2,598,131
COMBINED CHECK VALVE AND STRAINER
Terrence C. O'Donnell, West Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application April 17, 1950, Serial No. 156,424
3 Claims. (Cl. 210—166)



2. A combined check-valve relief-valve and strainer unit, comprising, a frame consisting of an annular ring having at one end thereof a valve seat surrounding the opening therethrough, a coaxial disc-like member axially spaced from said ring, a plurality of bars rigidly interconnecting the ring and member at angularly spaced locations about their outer peripheries, a valve-stem guide located adjacent the other end of said ring in coaxial relation therewith, and spider arms rigidly interconnecting the guide and bars, said ring having two exterior cylindrical portions separated by a flange having axially-spaced annular shoulders located in planes normal to the axis of the ring, one said portion forming a plug adapted to fit in an opening and having a circumferential groove, a packing ring in said groove, the other cylindrical portion forming a screen seat, said member having an exterior cylindrical screen seat portion, a screen mounted at its ends one in each of said screen seats and spanning the space between the ring and member, a poppet valve engaging the valve seat on said ring and having its stem slidably mounted in said guide, an abutment on said stem, a spring on the stem acting between one end face of said guide and said abutment to hold the valve to its seat, said valve having therethrough a passage interconnecting opposite faces thereof, a relief valve mounted in the first-named valve and normally closing such passage, and a spring tending to hold the relief valve closed and yieldable to enable it to open in a direction opposite to that in which the first-named valve opens.

2,598,132
SOUND REPRODUCING APPARATUS
Pierre P. Pattyn, Detroit, Mich., assignor, by mesne assignments, to John A. Patroske
Application June 15, 1949, Serial No. 99,232
1 Claim. (Cl. 179—100.2)



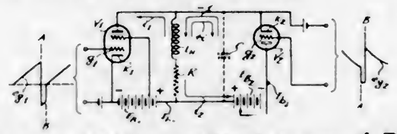
A music reproducing means comprising a base, an upstanding support fixed to said base, a grooved wheel rotatably carried by said support, a drive wheel fixed relative to said grooved wheel, a second grooved wheel spaced from said first named grooved wheel, a support for said second named grooved wheel, means pivotally mounting said second named support on said base, an endless fibrous tape engaging about said grooved wheels, magnetized metal particles embedded in said tape, an electro-magnetic pickup carried by said base and disposed in juxtaposition to said tape, a spring engaging said second named support for maintaining said tape taut, a resilient ring carried by said drive wheel, and operating means engaging said ring for rotating said drive wheel.

2,598,133
BRAKE OPERATING MECHANISM
George R. Roesch, Toledo, Ohio, assignor to The Peters Stamping Company, Perrysburg, Ohio, a corporation of Ohio
Application January 23, 1950, Serial No. 140,110
3 Claims. (Cl. 74—503)



1. In brake mechanism of the class described, a tubular guide having a substantially polygonal cross-section, means for fixedly mounting said guide to a support, a first slide reciprocable in said guide, said slide being U-shape in cross-section, means for engaging a brake operating cable on one end of the slide, an operating handle extending from the opposite end of said slide, a ratchet and pawl device between said slide and guide provided by an H-shaped pawl pivoted on two of its aligned legs in the opposing sides of said U-shaped slide and having its other pair of aligned legs provide a tip to engage into a series of slots transversely across one side of said guide in longitudinal alignment therealong, spring means between said pawl and slide urging said tip into a slot, a second U-shaped slide nested within said first slide and longitudinally shiftable therein, said second slide having one of its sides configured to provide a cam, a trigger on said handle, and a connection between said trigger and second slide, whereby operation of the trigger can shift said cam into pawl engagement to rock said pawl against the resistance of said spring.

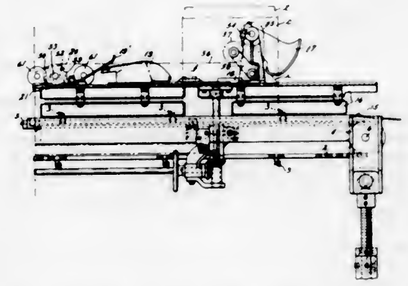
2,598,134
POWER CONSERVATION SYSTEM
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 11, 1945, Serial No. 593,161
29 Claims. (Cl. 315—27)



1. In a deflection system a source of D.-C. power, an electron discharge device connected to said source of D.-C. power for converting the D.-C. power into A.-C. power through a damping path and a power delivery path, the A.-C. power having a sawtooth wave form with a scanning trace and a return trace, a deflection yoke connected to said electron discharge device into which the A.-C. power output of said electron discharge device is fed, a unilaterally conducting unit connected to said deflection yoke for rectifying the reactive energy cyclically developed in said deflection yoke, connections between the converting means and the unilaterally conducting unit including a transforming means having such a stepdown turns ratio as to produce substantially equal average currents through the electron discharge device and the unilateral device respectively and to produce substantially maximum linearity of deflection of the scanning trace, an energy-storage device, means for applying the rectified energy to said energy-storage device so as to develop a substantially smooth D.-C. potential thereon having a value dependent upon the amplitude of the rectified energy, and a circuit for applying the D.-C. potential developed on said energy-storage device to said electron discharge device to increase the A.-C. power output thereof.

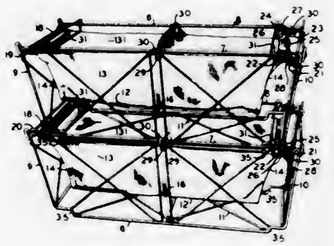
2,598,135
CARTON CLOSING AND FLAP TUCKING MACHINE
Joseph M. Schmied, Chicago, Ill., assignor to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application November 26, 1949, Serial No. 129,615
6 Claims. (Cl. 53—147)

1. In a carton closing device, means for advancing a carton having a closure hinged at one side thereof, means in the path of the carton for folding said closure to carton closing position with a tuck-in flap forming portion extending beyond the front wall of the carton, means to bend said flap portion downwardly into substantial parallelism with the front wall of the carton and outwardly thereof, means positioned to enter between the so-positioned front wall and flap as the carton is advanced by the conveyor, said means having an upwardly inclined edge



portion engaging the under side of the closure to raise the latter to a position in which the lower edge of the depending flap clears the upper edge of the front wall of the carton, means engaging the outer face of the flap to bend it to a position inwardly of the inner face of the front wall of the carton, and means engaging the upper surface of the closure adjacent its flap carrying edge to force the flap into the carton as the latter is advanced beneath said last-named means by the conveyor.

2,598,136
BANANA CRATE
George J. Schmitz, Kansas City, Mo.
Application October 4, 1949, Serial No. 119,419
5 Claims. (Cl. 150—51)



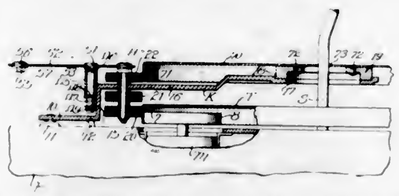
1. A banana shipping crate comprising side walls spaced by and joined to end walls, a stirrup shaped member, said stirrup shaped member fulcrumed on the top of one end wall, a cross bar, a cloth liner having side walls spaced by and joined to end walls with a bottom and top cover, one of said cloth liner end walls having the top thereof joined to and depending from said stirrup, the opposite end wall having the top thereof supported by said cross bar latched into the side walls of said crate, said liner forming a receptacle and being spaced from all of the crate walls and bottom of said crate to prevent chafing thereof and bruising of fruit when placed in said liner.

2,598,137
METHOD OF PACKAGING AND SERVING FROZEN CONFECTIONS
Herman R. Schulz and Carl G. Schulz, Altadena, and Adam Stuart Kedzie, Los Angeles, Calif., assignors to Redi Products Corporation, Pasadena, Calif., a corporation of California
Application January 31, 1949, Serial No. 73,782
1 Claim. (Cl. 99—180)



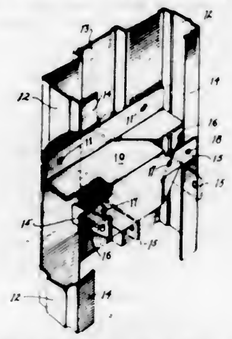
The method of preparing packaged frozen confection products comprising the steps of freezing a mass of the product to a shape-retaining consistency, extruding said mass as a column of the product, severing said extruded column into individual portions above individual packaging receptacles, each receptacle having upwardly diverging side walls and a flat bottom wall so positioned as to receive the portion with the side walls of the receptacle being spaced from the sides of the portion, the bottom wall of the receptacle being depressible, said portion being sufficiently soft to adhere to the bottom wall, immediately conveying the portion-package unit into a freezing zone to freeze the portion to hard consistency and bond the bottom of the portion to the bottom wall of the receptacle, the portion being dislodged from the receptacle by inverting the receptacle and depressing the bottom wall thereof at the time of consumption.

2,598,138
PHONOGRAPH CHANGE-SPEED MECHANISM
John H. Sharp, Chicago, Ill.
Application April 14, 1949, Serial No. 87,445
11 Claims. (Cl. 74—199)



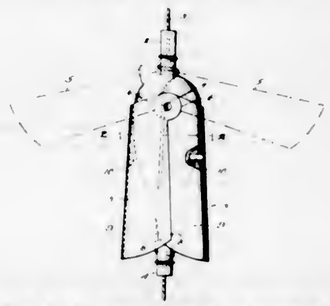
1. Change-speed mechanism for a phonograph having a power-driven turntable comprising a fixedly mounted bracket arm extended alongside and closely over the turntable, an auxiliary turntable mounted for rotation on the bracket arm over the phonograph turntable and concentrically therewith, a friction wheel carried by the bracket arm in engagement with the rim of the phonograph turntable to be driven thereby, plural trains of wheels in incomplete driving connection with the friction wheel to be rotated thereby, the plural trains having unlike driving ratios and ending in wheels in a common tier opposite the auxiliary turntable and in engagement with the rim thereof to transmit motion thereto, and a key movable through a fixed path into operative relation with a selected train of wheels to complete the driving connection to the end wheel thereof whereby to cause rotation of the auxiliary turntable at a predetermined speed.

2,598,139
METALLIC DOOR FRAME SECURING CLIP
Verner L. Shea, San Francisco, Calif.
Application March 20, 1950, Serial No. 150,705
4 Claims. (Cl. 189—46)



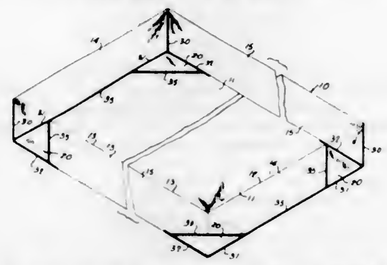
1. A metallic frame member for a door or window opening in a dry wall finished partition, comprising a metallic frame of substantially channel cross-section having closure member accommodating cleats formed about its inner facings and inwardly extending flanges at its outer perimeter adapted to engage with the wall surfaces of a partition, a clip formed of ductile sheet metal secured within the channel of said frame member having a portion extending outwardly from said channel and disposed between the inturned flanges of said metallic frame member, said clip portion having a pair of spaced ears adapted to be secured to a studding surrounding the opening and thus secure said metallic frame in said partition, and means carried by said clip forming an angled surface adapted and arranged to be engaged by a sheet of dry wall surfacing material and deflect it into engagement with the inturned flanges of said metallic frame when the sheet material is secured upon said studding to complete the partition.

2,598,140
AUTOMATIC HOOK SETTING FISHING LINE FLOAT
Michael Shukites, Johnston City, Ill.
Application June 19, 1950, Serial No. 168,945
1 Claim. (Cl. 43—43.1)



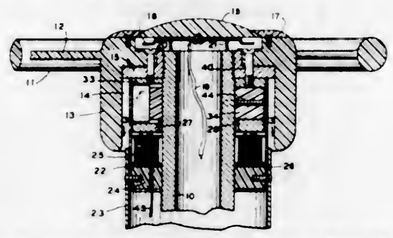
A fishing float comprising an elongated bouyant body having a head and a tapered portion which diminishes in diameter as it recedes from the head, said body having axial extensions at opposite ends thereof to which a fishing line is adapted to be attached, transversely concavo-convex wings mounted on the head to swing about a common axis which lies perpendicular to the longitudinal axis of the body from a position substantially encircling the body to a position at an angle to the body, and stop pins carried by the body and projecting from the sides thereof in spaced relation to the common axis for engagement with the wings to hold the portions of the wings remote from the head in spaced relation to the tapered portion of the body.

2,598,141
BED SHEET
Glenn Henry Simpson, Spray, N. C., assignor to Marshall Field and Company, Chicago, Ill., a corporation of Illinois
Application August 27, 1949, Serial No. 112,783
7 Claims. (Cl. 5—334)



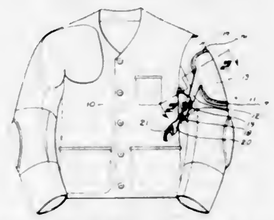
1. A bed sheet comprising a top portion, a pair of opposed side panels and a pair of opposed end panels, said side panels and end panels both extending outwardly from said top portion substantially the same distance, each of said side panels at each of its ends being provided with a rectangular extension and said extension being cut into two substantially triangular tabs, with means connecting said tabs to each other, said end panels being attached to said side panels and said extensions being folded to position one of said triangular tabs of each of said extensions in face to face relation with an adjacent end panel, said other triangular tab in each of said extensions being attached along one of its edges to an adjacent side panel and along another of its edges to an adjacent end panel, said second named tabs forming anchoring portions adapted to be placed beneath the four corners of a mattress to thereby prevent accidental removal of the bed sheet from said mattress.

2,598,142
MAGNETIC STEERING CONTROL
Frederic W. Smith, De Land, Fla.
Application June 22, 1950, Serial No. 169,758
6 Claims. (Cl. 74—495)



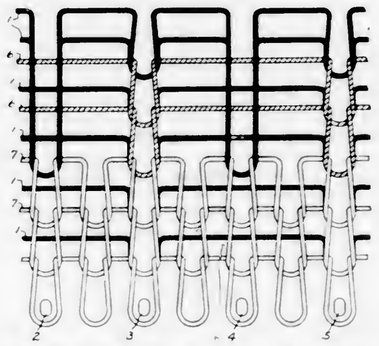
1. In apparatus of the class described, a rotary shaft, a rotatable control member for imparting rotary movement to said shaft, a first contact member surrounding said shaft and mounted for rotation with said control member, a second contact member, a central member through which said shaft extends surrounding said rotary shaft and fixed thereto, an electro-magnet positioned adjacent said second contact member, complementary means on said first contact member and said central member for driving said rotary shaft from said control member acting through said first contact member, and switch means for completing an electrical circuit through said electro-magnet to lock said electro-magnet and said second contact member and said central member together to stop movement imparted to said central member by said rotary shaft.

2,598,143
GUN SLING SECURING DEVICE
Howard O. Smith, Des Moines, Iowa
Application May 19, 1950, Serial No. 162,979
4 Claims. (Cl. 2—94)



4. In a gun sling securing device secured to the biceps embracing portion of a shooting garment, a pad having two ends fixed to the biceps embracing portion of a shooting garment, a strap loop fixed to said pad; said pad and strap loop secured to each other as to cause a pull on said strap loop to exert a pull on both ends of said pad, and means for securing a gun sling to said strap loop.

2,598,144
ELASTIC TOP FOR HOSIERY
Norman H. Smith, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application June 13, 1950, Serial No. 167,785
4 Claims. (Cl. 66—172)



1. An elastic selvage for hosiery which includes an initial course of an elastic yarn knitted into a loop at every fourth wale only with two rounds of another elastic yarn inlaid therein, a second course of said first mentioned elastic yarn knitted

through the loops of said initial course, an inelastic yarn knitted at every wale and knitted through the loops of the second course of said first mentioned elastic yarn at every fourth wale and around said other elastic yarn at every second wale from the wales last mentioned.

2,598,145
COMBINATION VISOR AND MAGNIFIER
Earl G. Steadman, Jr., Youngstown, Ohio
Application December 5, 1950, Serial No. 199,190
6 Claims. (Cl. 88—39)



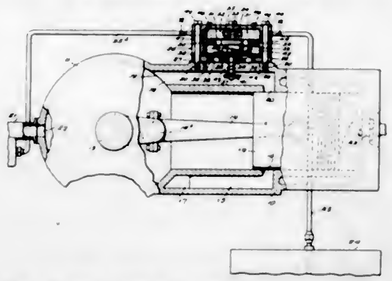
5. In a combination visor and magnifier, a forwardly projecting member constituting a visor, a vertically positioned transversely extending depending plate positioned at the rear end of said visor, said plate having spaced integrally formed lens areas for registry with a wearer's eyes, a second vertically disposed transversely extending plate of flexible material formed with transversely spaced lens areas in optical alignment with the lenses of the first plate, the second plate being adjustably positioned on the said visor in spaced relation to the first plate by means of releasable fasteners movably engaged with the said visor for forward and rearward movement to adjusted positions in which they are firmly held, one of the said fasteners being located on the vertical axis of the second plate between the lenses thereof and the other ones of the fasteners spaced sidewardly with respect thereto whereby the second plate may be bent on its vertical axis to adjust the angle of convergence between the first and second lenses.

2,598,146
PLIERS FOR STRAIGHTENING OR PULLING FISH TAPE
Richard V. Tays, Coral Gables, Fla.
Application April 19, 1950, Serial No. 156,820
1 Claim. (Cl. 81—5.1)



In a tool of the class described, a pair of identical members each comprising a relatively thick handle having one end portion enlarged radially from a central opening and reduced inwardly from one side to provide a wide flat head of substantially half the thickness of the handle with an outstanding shoulder provided at the juncture of the handle and the head, a projection outstanding normal to the plane of the head at the outer edge of the head approximately 90 degrees from said shoulder providing a second shoulder similar to the first, and a pair of radially outwardly projecting lugs formed on the head, one opposite each of said shoulders, said members being juxtaposed reversely on each other, and a pin penetrating said openings and pivoting the members together, whereby the shoulders of each member provide clearance for the lugs of the other when the handles are swung about said pivot pin and whereby the handles may be disposed selectively at an acute angle or at substantially a straight angle to bring a lug of one member into clamping relation to a shoulder of the other member.

2,598,147
FUEL FEEDING SYSTEM
Gordon L. Tescher, Anderson, Ind., assignor to Tescher Corporation, Anderson, Ind.
Application December 30, 1949, Serial No. 136,072
6 Claims. (Cl. 123—139)

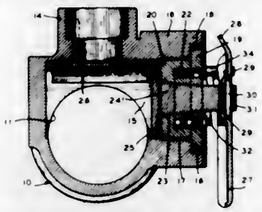


1. In a fuel feeding system for internal combustion engines and in combination with an engine, a fuel tank, a fuel pump associated with said engine and operated by alternating positive and negative pressures in the crankcase thereof, and conduit means for carrying fuel from the fuel tank to said pump and from the pump to the carburetor of the engine, said fuel pump having spring biased, by-pass valve means associated therewith whereby fuel pressures in excess of a predetermined maximum at the outlet of said pump will be relieved to the inlet side of said pump to thereby prevent the accumulation of excessive pressures in the carburetor of the engine.

2,598,148
DIVERTER VALVE
Marquis O. Thrush, Peru, Ind., assignor to H. A. Thrush & Company, Peru, Ind., a corporation of Indiana
Application July 28, 1948, Serial No. 41,157
2 Claims. (Cl. 251—112)

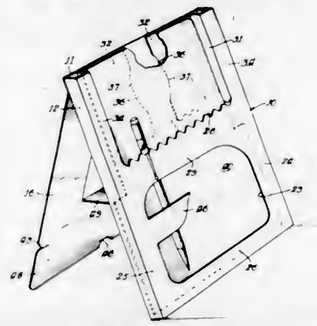
1. An adjustable supply T for a fluid flow system comprising a valve body, a passage through said body, a second passage joining the first, a substantially cylindrical valve chamber intersecting said passages and having its axis located above the axis of the first passage, a removable closure member in said valve body disposed axially of said valve chamber and having an outwardly tapered axial passage therethrough, said member being provided with an annular seating depression about said opening on the exterior surface thereof, a rotary valve in said chamber

of a length substantially corresponding to the length of said chamber and with a transverse curvature substantially corresponding to the curvature of the chamber, said valve having a mounting portion in the form of a disc connected and disposed at right angles to its curved portion and of a diameter substantially corresponding to the diameter of the valve chamber so that pressure of fluid within said valve chamber will tend to urge said disc toward the corresponding end of the valve chamber, a valve stem fixedly attached to said disc and extending through said removable member and provided with an outwardly tapered portion complementary to said



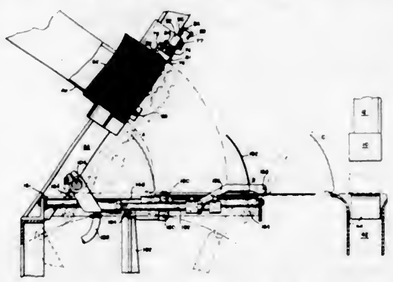
axial passage in said removable member, an operating member having an annular portion provided with opposed recesses and adapted to fit over the outer end of said stem, the outer end portion of said stem being provided with a transverse bore and a removable pin extending therethrough and seating in said recesses for maintaining operative relationship between said operating member and said stem, and spring means seated in said annular depression and bearing against said operating member, the pressure exerted by said spring and by the fluid on said disc maintaining the tapered portion of said valve stem in firmly seating contact with the tapered passage in said closure member.

2,598,149
CARTON WITH EASEL-FORMING CLOSURE MEMBER
William E. Turner, Chattanooga, Tenn., assignor to O. B. Andrews Company, Chattanooga, Tenn., a corporation of Tennessee
Application December 19, 1949, Serial No. 133,751
6 Claims. (Cl. 206—45.22)



5. A carton adapted to retain and display pencils and similar articles in upright position, said carton comprising spaced front and rear walls, relatively narrow edge walls joining the side edges of the front and rear walls, the upper part of the front wall being cut on a transverse line terminating at points spaced inwardly from the line of juncture of the front wall and edge walls at each side of the carton, said front wall also having a cut extending downwardly to meet the first cut to form two movable sections, each of such sections comprising an inner wall forming portion swingable rearward from the plane of the front wall to meet the rear wall and a second portion adapted to lie flat against the rear wall and extend inwardly, a combination lining and spacing element adapted to be disposed inside the carton, such element having outer edge portions of a width so that it will engage the inner surfaces of the edge walls, the lateral edges of the lining and spacing element being cut away on each side so that the upper portion of such element is reduced in width where the edges of such element are engageable with the movable sections of the front wall which extends between the front wall and the rear wall so as to hold such sections in position, the rear facing of the lining and spacing element being engageable flatwise against the second portions of the two movable sections attached to the front wall.

2,598,150
CONTAINER BLANK DELIVERY MECHANISM
Harry K. Wethe and Robert Horace Duncanson, Minneapolis, Minn., assignors, by mesne assignments, to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application August 17, 1949, Serial No. 110,712
5 Claims. (Cl. 271—10)

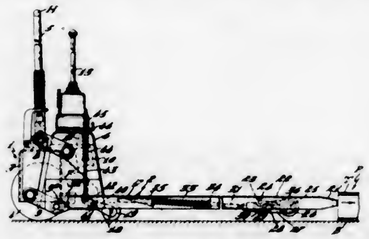


4. A mechanism for delivering a warped blank, comprising a platform on which the blank is pushed, means for placing the blank on the platform, a guide bar extending from rear to front and parallel to the platform, a carriage slidable on the bar having a curved blank pusher extending curvedly upward above the platform and having its center of curvature to the rear of the platform, a depressor member pivotally mounted on the carriage beneath said center of curvature and having its upper end extending to the top of the pusher bar when the carriage is at the rearmost position, a link connected to the depressor and pivotally movable about a point forward and below the lower end of the depressor member at the rearmost carriage position to cause the upper end to move toward the platform as it moves forward.

2,598,151
LIFT TRUCK
Nathaniel Warshaw, Newton, Mass., assignor to Market Forge Co., Everett, Mass., a corporation of Massachusetts
Application September 29, 1949, Serial No. 118,561
3 Claims. (Cl. 254—2)

1. A lift truck comprising a chassis, a motor housing, parallel links connecting the housing

to the chassis whereby the housing may be raised and lowered relatively to the chassis, a motor device within the housing operative to raise and lower the housing, a lift arm rigidly fixed at its forward end to the housing, and movable up and down with the latter, a supporting wheel for the housing located adjacent to the junction of the



arm and housing, said wheel determining the normal load-receiving level of the arm, and means for vertically adjusting the axis of the wheel thereby to vary the normal load-receiving level of the arm, that portion of the length of the arm which is rearwardly of the supporting wheel being without support when the arm is in the normal load-receiving position.

2,598,152

VENETIAN BLIND RAIL CONNECTOR

Richard H. Wright, Bratenahl, and Anthony Zay, Cleveland, Ohio, assignors to Guarantee Specialty Manufacturing Company, Cleveland, Ohio, a corporation

Application September 18, 1950, Serial No. 185,447
9 Claims. (Cl. 160—177)



1. A Venetian blind rail of the class described, comprising a body portion, an opening in said body portion and a connector member seated in said opening, extensions at one end of said connector member, said member including lug means having a portion spaced from said extensions, said extensions and lug means engaging the body portion at one end of the opening, and an ear adapted to engage said body portion at the other end of said opening, and a bracket engaging portion formed with said member.

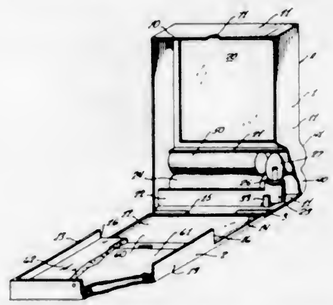
2,598,153

ILLUMINATED COMPACT

Antanas Ziuraitis, Chicago, Ill.

Application August 19, 1949, Serial No. 111,261
1 Claim. (Cl. 240—6.45)

An illuminated compact comprising a case including two sections arranged in face to face relationship and connected together at one end for movement into and out of engagement with each other, a mirror disposed within and abutting one of said sections and extending longitudinally thereof from the other end thereof to a point adjacent to and spaced from said one end thereof, a dry cell and light unit disposed within the space in said one section and supported therein, said unit comprising an electrically conductive partition extending inwardly from the end wall of said one section adjacent thereto in spaced parallel relation with respect to the back wall of said one section, the portion of the back wall adjacent said partition being bent arcuately outwardly to thereby form an arcuate indentation extending transversely of said one section, said partition and arcuate indentation cooperating to form a housing, an open ended bulb receptacle base carried adjacent one end of said partition with one end thereof disposed in spaced relation with respect to said end wall of said one section, a bulb extending through the other open end of said receptacle and supported therein, a dry cell embracingly received and supported within said housing



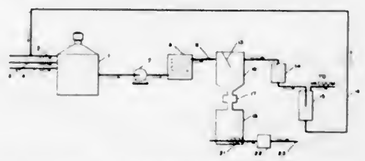
with the central contact thereof positioned adjacent said base receptacle and the outer contact thereof bearing against said conductive partition, hand actuable means rotatably journaled on the central contact of said bulb and engageable with the central contact of said dry cell for completing the electrical circuit for said unit, a powder containing receptacle disposed within the other of said sections and supported in the latter, interengaging means on said sections for securing the same together, and a lipstick case disposed within said one section intermediate said mirror and said dry cell and light unit and detachably supported therebetween.

2,598,154

PROCESS FOR MAKING GREASE

Grant C. Bailey, Royal Oak, Mich., and William B. Whitney, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application August 21, 1947, Serial No. 769,858
9 Claims. (Cl. 252—41)



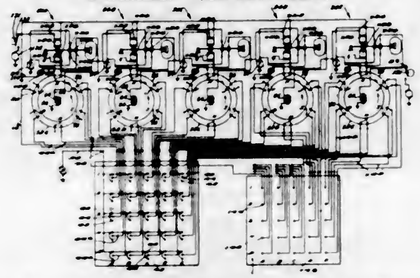
1. A process for manufacturing a grease from an oil and a metallic soap which comprises the steps of forming a mixture comprising a metallic soap with a hydrocarbon lubricating oil, heating said mixture with agitation to substantially disperse the soap in the oil, chilling suddenly to form a hard friable gel in some free oil, separating said gel from a portion of said free oil, and working said gel and remaining free oil to a state of substantially constant consistency.

2,598,155

ELECTRIC DATA PROCESSOR

Gilbert L. Betts, Minneapolis, Minn.

Application March 26, 1946, Serial No. 657,164
8 Claims. (Cl. 235—61.6)



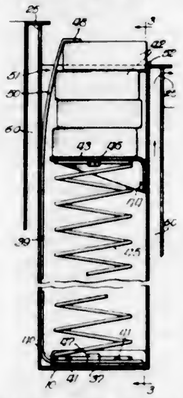
7. A device for totalizing selected conductive markings on data sheets having markable locations, comprising scanning plate means including pairs of scanning contacts all simultaneously cooperatively presentable to said data sheets with each pair of contacts in position for being conductively bridged by a conductive marking on said data sheets, intermittently rotatable distributor means connected to said scanning plate means, channelizing grid means selectively connectable to said selected markings through said distributor means, and intermittently rotatable counter means including relays, selectively actuated by said channelizing grid means for totalizing consecutive individual impulses derived through powered circuits jointly completed by said conductive markings on said data sheets and by said channelizing grid means.

2,598,156

ARTICLE EJECTOR AND STOP MEANS

Edward F. Brill and Orval W. Schroeder, Milwaukee, Wis.

Application November 26, 1948, Serial No. 62,142
1 Claim. (Cl. 312—71)



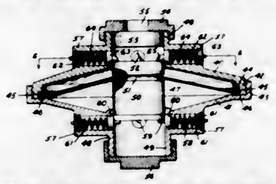
In a refrigerated display case, in combination, means defining a generally upright compartment for supporting frozen articles in generally vertically stacked relation, said compartment having a front wall, a back wall, opposite side walls and a bottom wall and being completely open at the top thereof, a leaf spring anchored in said compartment and extending upwardly between the back wall and the back ends of the articles, the upper portion of said leaf spring being bowed forwardly with the bowed portion extending along the back ends of a plurality of the stacked articles and yieldingly cooperating with the back ends of a plurality of the stacked articles whereby during withdrawal of the articles yieldingly to move the succeeding upper articles in a forward direction to customer receiving position, said leaf spring having at its upper end an integral, forwardly turned tongue forming a stop spaced above the open top of the compartment for cooperation with the top of the upper article at its rear end to stop the upper article at customer receiving position, and a spring acting against the bottom of the lower article to force the stack of articles upwardly and the top of the upper article into position projecting upwardly from the open top of the compartment where its top will be completely visible to the customer and into engagement with said stop, the bowed portion of said leaf spring acting yieldingly against the back ends of the upper articles as they are forced upwardly yieldingly to move the upper article forwardly to customer receiving position and permitting introduction of articles into the compartment through the open top thereof with accompanying flexing of said leaf spring.

2,598,157

FUSE DETONATING MECHANISM

Franklin L. Everett, Ann Arbor, Mich., assignor to the United States of America as represented by the Secretary of War

Application December 26, 1945, Serial No. 637,184
3 Claims. (Cl. 102—79)



1. A fuse comprising a chambered case comprising two opposed conical parts joined at their bases and having tubular extensions at their apices, a Belleville washer spring set between said parts, a plunger fixed coaxially therein reciprocable in said extensions, a primer mounted in one of said extensions for engagement by the plunger at the adjacent limit of its reciprocation, centrifugal detents in the other of said extensions initially in detent relation to said plunger to hold the latter retracted responsive to flight forces in the projectile to release the plunger, said centrifugal detent being located to hold the plunger in a forward initial position short of said detonator, and forward centrifugal detent positioned to detain the plunger against forward movement from said initial position responsive to flight forces in the projectile greater than those effective to operate the first named centrifugal detent, to clear the plunger for forward movement to engagement with the detonator.

2,598,158

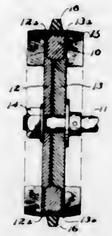
APPARATUS FOR MAKING V BELTS

John L. Fihe, Akron, Ohio, and James W. Huff, Mercerville, N. J., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application August 26, 1947, Serial No. 770,600
6 Claims. (Cl. 154—3)

1. Apparatus for making an endless V-belt, said apparatus comprising an annular building

form for building the belt individually, said form having a width substantially equal to the wider outer face of the desired belt and having between its marginal edges an outer peripheral molding face substantially coextensive in width with said width of the form for supporting such wider outer face of the belt in contact there-



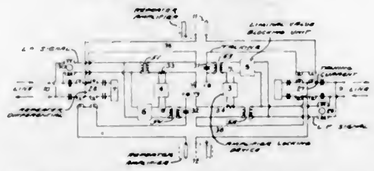
with during the building and vulcanizing operations, and mold members having piloting portions engageable with said building form for centering them therewith and having outwardly converging side faces disposable at said marginal edges of the form for receiving said form and belt and defining with the form a mold cavity of the desired belt shape inverted in cross-section.

2,598,159

SIGNALING ARRANGEMENT FOR TWO-WIRE TELEPHONE LINES

Henri Gardère, Paris, France, assignor to Compagnie Industrielle des Telephones, Paris, France, a corporation of France

Application October 22, 1948, Serial No. 55,993
In France October 28, 1947
8 Claims. (Cl. 179—16)



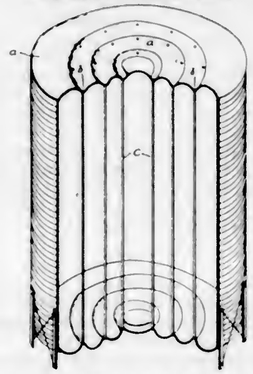
1. In a two-way repeater for telephone lines, a first pair of line terminals, a second pair of line terminals, a first channel for transmitting signals from said first terminals to said second terminals, a second channel for transmitting signals from said second terminals to said first terminals, a first tube amplifier comprised in said first channel and having its input connected therein in the direction of said first terminals, a second tube amplifier comprised in said second channel and having its input connected therein in the direction of said second terminals, a first locking rectifier unit having its input connected to said first channel and having its output connected and poled to apply negative bias to the grid of said second tube amplifier when signal output is applied to said first terminals, a second locking rectifier unit having its input connected to said second channel and having its output connected and poled to apply negative bias to the grid of said first tube amplifier when signal output is applied to said second terminals, a first liminal control short-circuiting device inserted in a said channel in the path of current from said first terminals to the input of said second amplifier at a point of said path which is beyond the point of connecting the input of said first locking device to said first channel on the side toward said second line terminals, said first liminal control device being so constructed that under an applied input signal thereto below a determined liminal value but not above that liminal value said first liminal control device constitutes substantially a short circuit across the said channel, and a second liminal control device constructed similarly to said first liminal control device and being inserted in a said channel in the path of current from said second terminals to the input of said first amplifier at a point of said path which is beyond the point of connecting the input of said second locking device to said second channel on the side toward said first line terminals.

2,598,160

LARGE CAPACITY TANK HAVING CORRUGATED ENDS

Adolphe Gruenais, Paris, France

Application September 18, 1945, Serial No. 617,079
In France November 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 4, 1963
6 Claims. (Cl. 220—1)



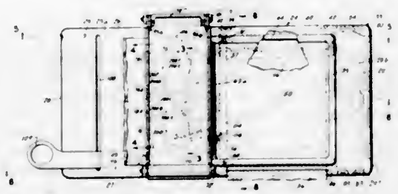
1. In a cylindrical large-capacity tank having a vertical axis, a corrugated end having alternating convex surfaces of revolution about the axis of the tank and alternating concave surfaces of revolution about the same axis between said convex surfaces and intersecting the same, a bottom, vertical stays disposed between the end and the bottom and distributed over the peripheries of the imaginary cylinders about the tank axis by the vertical axes of the concave surfaces.

2,598,161

ROLLER PLATEN PRINTING MACHINE

John H. Gruver, East Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application December 7, 1946, Serial No. 714,806
8 Claims. (Cl. 101—269)



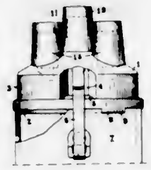
1. Means for impressing information onto an article from a printing device comprising, in combination, a supporting member, an anvil pivotally mounted on said member and adapted to support a printing device in printing position above said member, a platen arm pivotally mounted on said member, said platen arm being reciprocable transversely on said anvil between said anvil and said member, means including a tablet carried by said member and overlying said platen arm for supporting an article to be printed between said anvil and said platen arm, and a roller rotatably mounted on said platen arm below said anvil and adapted to press such an article into printing relation with a printing device carried by said anvil during a reciprocation of said platen arm.

2,598,162

MOISTUREPROOF DISTRIBUTOR HEAD

Maurice Guiot, Paris, France

Application July 16, 1951, Serial No. 236,894
In France December 15, 1950
2 Claims. (Cl. 200—19)



1. A distributor head comprising a cover of cellulose acetate butyrate thermoplastic material, terminals for the high-tension circuit conductors on the outer face of said cover, and contact studs for the distributor rotor on the inner face of said cover, said studs being respectively electrically connected with said terminals through said cover.

2,598,163

METHOD AND APPARATUS FOR COATING VEHICLE BODIES

James Henry Collins Halls, London, England, assignor to Carrier Engineering Company, Limited, London, England, a British company

Application March 16, 1949, Serial No. 81,776
In Great Britain March 17, 1948
8 Claims. (Cl. 117—113)



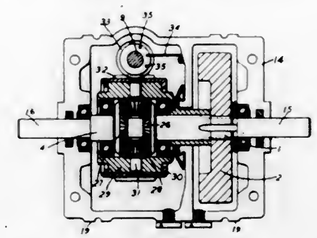
1. A method of treating a sheet metal vehicle body which comprises suspending a complete metal body substantially horizontally and advancing it longitudinally along a path over a treating liquid, lowering the advancing body to dip the lower portion of the body in the treating liquid and then raising the advancing body to pass said body beyond the liquid, and continuously rotating the advancing body about an axis substantially intersecting the body longitudinally thereof the subject the complete body to the treating liquid and spread the applied liquid evenly over the body during its advancement.

2,598,164

DIFFERENTIAL INERTIA SPEED RESPONSIVE DEVICE

William Wilson Hamill, Little Aston, England

Application July 2, 1945, Serial No. 602,874
In Great Britain July 31, 1944
3 Claims. (Cl. 264—11)



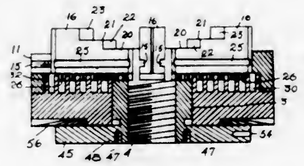
1. A device for controlling speeds of rotation of revolving bodies, comprising a constant speed rotor having a flywheel mass unitarily incorporated therewith, a controlled rotor to be driven to revolve at a speed having a direct relation to said constant speed rotor, a control mechanism for controlling said controlled rotor, an epicyclic train coupling said rotors and having one member movable about an axis when differential is set up between the rotors, means for transmitting movement of said member to said control mechanism and including gearing which disengages beyond the boundaries of a given angular displacement of one element of the gearing, and spring means for re-engaging said gearing.

2,598,165

UNIVERSAL CHUCK

Jesse Carlton Harvey, Oneida, N. Y., assignor to Westcott Chuck Company, Oneida, N. Y., a corporation of New York

Application August 4, 1948, Serial No. 42,461
1 Claim. (Cl. 279—114)

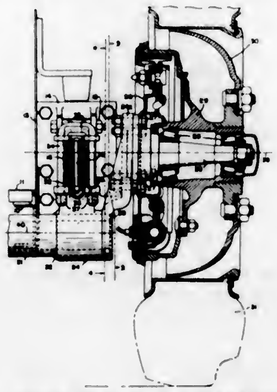


In a universal chuck, a member having radial recesses, ridges formed in said member, jaws having V-shaped ends, whereby to allow their contiguous ends to meet in a common center, recesses formed in said jaws, whereby to slidingly mount said jaws on said ridges, depending oval shaped teeth formed in said jaws, a depending sleeve formed in said first named member, a scroll mounted to turn on said depending sleeve, a spiral recess formed in said scroll for the reception of said oval shaped teeth, a ring screw mounted to said depending sleeve, bolts engaging said ring and sleeve, whereby to hold said ring in assembled position on said sleeve, a gear rack formed on said scroll, a beveled pinion adapted to engage said gear rack, a shaft carrying said pinion, and peripheral recesses formed in said ring for the reception of said shaft.

2,598,166
REAR AXLE ARRANGEMENT FOR DELIVERY TRUCKS

Arthur W. Herrington, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana

Application August 7, 1948, Serial No. 43,064
2 Claims. (Cl. 280—106.5)

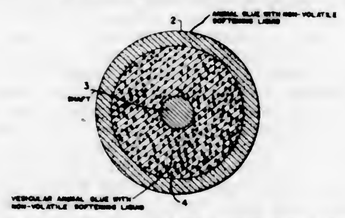


1. In a motor vehicle; a chassis comprising a longitudinal frame member at each side thereof and a body thereon having a flat bed, an axle structure having leaf springs longitudinally carried on each side of the body above the level of said bed, means for supporting a pair of road wheels on said springs comprising a single tubular member extending transversely underneath the vehicle chassis in a straight line beneath said bed, a pair of brackets one integral with each end of said tubular member and extending upwardly therefrom, a flat flange portion on the upper end of each of said brackets in a plane normal to the axis of said tubular member, a wheel spindle and brake assembly detachably mounted on said flange portion, a spring supporting pad integral with each of said brackets positioned directly over the connection of the bracket with said tubular member and adapted to engage under and to be clamped to said springs independently of the connection of the bracket with the tubular member so that the axis of said tubular member is located below the axis of rotation of the wheels about said wheel spindle, and said frame members being interrupted immediately over said tubular member to permit free springing of said axle structure.

2,598,167
ROLLER OF ANIMAL GLUE

Edward D. Hill, Cleveland, Ohio

Application December 26, 1946, Serial No. 718,619
5 Claims. (Cl. 154—43)

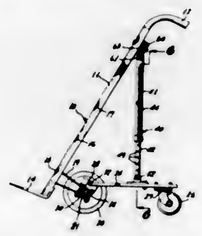


4. A roller of animal glue throughout having an integrally cast surface of animal glue and non-volatile liquid softening material, an axial shaft, and a solidified body of vesicular similar animal glue and softening material between the said surface and shaft and surrounding the shaft.

2,598,168
ADDITIONAL WHEEL ATTACHMENT FOR TWO-WHEEL HAND TRUCKS

Benjamin Hooz, Los Angeles, and Samuel T. Mello, Bell Gardens, Calif.; said Mello assignor to said Hooz

Application May 19, 1947, Serial No. 748,944
6 Claims. (Cl. 280—54)



3. In a hand truck having a truck body, a handle device thereon, a chassis adapted to support the body and wheels on the chassis, the combination of a self-contained attachment comprising a carriage extension member transverse to and rearward of the wheel axis, a pivotal attachment at one end of the extension member adapted to join said member to the chassis and a swivel wheel support at the other end, an adjustably extensible brace member, a pivotal connection at one end of the brace member to the last named end of the extension member, and a pivotally connected rig on the other end of the brace member and adapted for attachment to the truck body adjacent the handle device.

2,598,169
TOY BELL

Leslie W. Hubbell, Cheshire, Conn., assignor to The Ball & Socket Manufacturing Co., West Cheshire, Conn., a corporation of Connecticut

Application September 20, 1950, Serial No. 185,824
1 Claim. (Cl. 116—150)



A bell of sheet material comprising a bell-shaped housing having an integral supporting strap stamped upwardly from the head end thereof and forming an opening in the plane of said head end, depressed seats at the mid-points of the opposite sides of said opening extending in a direction transverse to the longitudinal axis of said supporting strap, a spring wire clip having a pair of resilient arms normally biased to distended position and terminating in shoulders for seating within said depressed seats, and a clapper having a completely closed eye in engagement with the lowermost point of said wire clip and freely swingable thereon.

2,598,170
PROCESS OF SEALING STEEL STORAGE VESSELS

Earl E. Huebotter, Tulsa, Okla., assignor to National Lead Company, Tulsa, Okla., a corporation of New Jersey

No Drawing. Application March 11, 1946, Serial No. 653,704
2 Claims. (Cl. 117—95)

1. The process of sealing steel storage vessels containing salt water comprising, introducing into the container and dispersing into the salt water therein, sufficient of a gelatinized polysaccharose selected from the group consisting of gelatinized starches, gums and sea-weeds and of a type dispersible, swelling in and forming a gel in salt water but noncorrosive to steel, so as to seal the vessel against leakage of salt water therefrom.

2,598,171
NIB FOR WRITING PENS

Philip C. Hull, Janesville, Wis., assignor to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin

Application May 6, 1948, Serial No. 25,450
3 Claims. (Cl. 120—109)



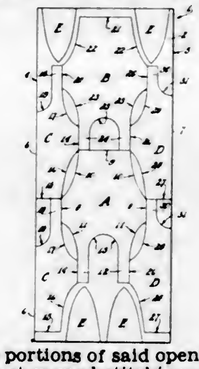
1. A pen nib comprising a generally arcuate body having a forwardly tapered portion terminating in a writing tip, an elongated slit of uniform and capillary width extending through said tapered portion from top to bottom thereof and terminating short of said writing tip and a second slit extending through said tapered portion from side to side thereof and inwardly from said writing tip into intersecting relation with the forward portion of said first slit, the forward end of said writing tip being inclined to the plane of said second slit whereby the upper forward edge of said second slit is disposed forwardly of the lower forward edge for contact of both said edges with a writing surface when said nib is held at a normal writing angle.

2,598,172
SIDE SEAMED SHOULDER SUPPORTED GARMENT WITH SIDE REENFORCEMENTS AND METHOD OF MAKING SAME

Wilma Davis Humphlett, Agawam, Mass., assignor to Malone Knitting Company, Springfield, Mass., a corporation of Massachusetts

Application December 7, 1948, Serial No. 63,968
4 Claims. (Cl. 2—113)

1. A shoulder supported shirt formed of knitted material which comprises front and back blanks each blank having a full width middle zone, the edge portions of the middle zones of the front and back blanks being stitched one to the other to form vertical side seams, the upper portion of each blank being formed with a neck opening, the outer side edges of the front and back blanks above said zone extending inwardly and upwardly to form, with the neck opening, shoulder extensions, the extensions of the front and back blanks being seamed one to the other to form shoulder straps, the side edges of the front and back blanks below said middle zone being curved inwardly to make the width of the lower edge of each blank substantially equal to the shoulder width and form generally triangular openings at the lower side portions of the garment and two-ply members fitting into said openings, the edge portions of said members being stitched to the

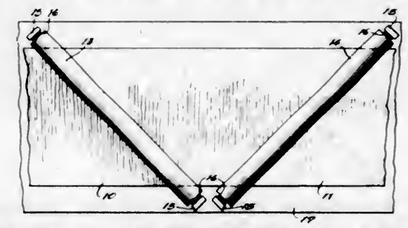


adjacent edge portions of said openings the upper ends of said last-named stitching at each side of the garment intersecting each other and the lower end of the adjacent side seam.

2,598,173
CALENDERED CRINKLED PAPER AND PROCESS OF MANUFACTURE

Ferdinand W. Humphner, River Forest, Ill.

Application June 28, 1947, Serial No. 757,859
10 Claims. (Cl. 154—33.05)



9. In a process for forming a crinkled paper sheet, the steps of creping the paper sheet to form therein interrupted folds, the ends of the folds merging with the flat, unfolded portions of the sheet, and passing the sheet so formed between calender rolls at an angle away from a line perpendicular to the longitudinal axes of the rolls while applying a bonding material to the sheet for uniting the folds of said paper sheet to the body of the sheet.

2,598,174
RESINS FROM CARBOXYALKYL ETHERS OF POLYHYDRIC ALCOHOLS

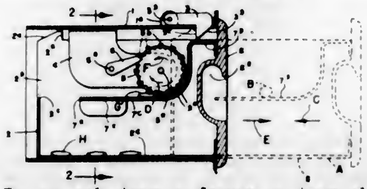
William M. Hutchinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application August 4, 1948, Serial No. 42,542
14 Claims. (Cl. 260—78.3)

1. A process for the manufacture of a new group of resins which on heating soften and then set to infusible solids, which comprises partially condensing a compound, which compound is a free acid of a polysubstituted carboxyalkyl ether of a polyhydric alcohol, to a resinous mass in the presence of a strong mineral acid catalyst at a temperature in the range of 25° to 100° C., said compound containing 3 to 6 carbon atoms ex-

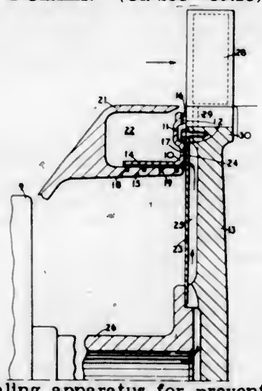
clusive of substituent carboxyalkyl ether groups, each of said carbon atoms which is unsubstituted by carboxyalkyl ether groups having one hydroxyl group thereon and there being at least one such hydroxyl group in said compound, and each of said carboxyalkyl ether groups containing from 2 to 4 carbon atoms.

2,598,175
ASH TRAY
Charles A. Jinks, San Diego, Calif., assignor of one-half to Hunter M. Muir, San Diego, Calif.
Application August 24, 1951, Serial No. 243,489
4 Claims. (Cl. 131—237)



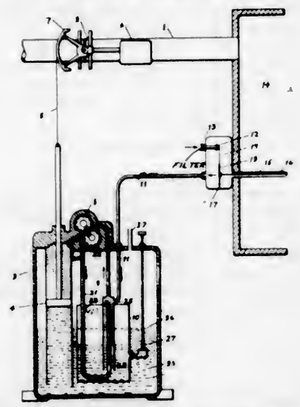
4. In an ash tray a frame, a tray slidably mounted in said frame, a roller, having its major axis mounted in stationary relationship with said frame, said tray having a shelf portion disposed substantially horizontally adjacent the periphery of said roller compressible means on said tray engageable with said roller at its periphery for rotating the same in one direction when said tray is forced inwardly into said frame and second means preventing rotation of said roller in the opposite direction during movement of said tray outwardly of said frame and the forward portion of said shelf curved upwardly substantially concentric to said roller and said tray having storage space therein below said shelf and stop means for limiting the extension of said tray relative to said frame.

2,598,176
SEALING DEVICE
Alexander Pearse Johnstone, Frimley, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company
Application February 26, 1948, Serial No. 11,173
In Great Britain March 11, 1947
4 Claims. (Cl. 253—39.15)



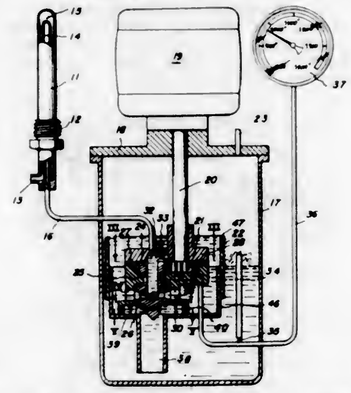
1. A sealing apparatus for preventing a substantial leakage of a gaseous pressure fluid between face elements on two relatively rotatable bodies constituting a gap forming a small working clearance to be maintained without actual rubbing contact comprising in combination an annular face element formed on one of said bodies and constituting one face element of said gap, a support structure on the other of said bodies having channel walls defining an annular channel concentric with the axis of relative rotation of said bodies and opening adjacent said one face element and with at least one of said channel walls also concentric with said axis, an annular movable sealing member having a face element formed thereon and constituting the other face element of said gap slidably supported on said concentric channel wall for movement to increase and decrease the width of said gap and constructed and shaped so as to be capable of being acted upon by said gaseous pressure fluid and enabling it to be moved thereby in a direction tending to close said gap, said face elements being arranged at an angle to said axis so that on movement of said movable sealing member they are capable of relative displacement to increase or decrease the width of said gap and one of said face elements being formed with a plurality of ports disposed in a uniform pattern over the surface thereof with each port constructed so as to be capable of directing gaseous fluid perpendicularly across said gap to impinge upon said other face element, and a gaseous pressure fluid supply means for supplying a second gaseous pressure fluid to issue from said plurality of ports at a pressure sufficient to prevent said face elements from actual rubbing contact when said movable sealing member moves to close said gap under the action of said first gaseous pressure fluid.

2,598,177
PUMP AND MOTOR PNEUMOHYDRAULIC TRANSMISSION SYSTEM
Karl Torsten Källe, Saffle, Sweden
Application December 10, 1946, Serial No. 715,240
In Sweden May 8, 1945
8 Claims. (Cl. 60—52)



1. Regulating apparatus comprising in combination a constant speed and positive displacement pump a servomotor connected to the pressure conduit of the pump to exert a regulating effect on a subject to be regulated in response to variations in the amount of liquid passing through the pump, an open-topped vessel containing liquid into which the suction conduit of the pump is immersed, a larger container also containing liquid surrounding said vessel and communicating therewith through an adjustable opening, a gas supply conduit terminating in the suction conduit of the pump, a branch pipe with a restricted inlet leading from the pressure conduit of the pump to the vessel, and a member communicating with the subject to be regulated and controlling the proportions of gas and liquid supplied to the pump in accordance with variations in said subject to be regulated.

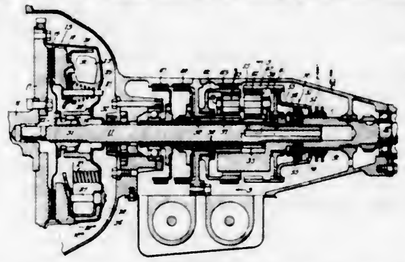
2,598,178
TEMPERATURE RESPONSIVE MEASURING AND INDICATING APPARATUS
Karl Torsten Källe, Saffle, Sweden
Application July 12, 1949, Serial No. 104,364
In Sweden July 5, 1949
7 Claims. (Cl. 73—357)



1. An indicating apparatus for measuring temperatures and the like, comprising a gas source, a hollow member open to said gas source and having a capillary opening adapted to be passed by a gas flow, a liquid container, a rotatable compressor pump in said container, a gas conduit connecting said pump to said member, said compressor pump having a liquid inlet passage on the suction side thereof, a rotatable element mounted in said liquid inlet passage and arranged to rotate in timed relation to the compressor pump to provide a continuous rotating liquid ring in said passage, the speed of rotation of said liquid ring being dependent on the viscosity of the liquid as well as on the speed of rotation of the rotatable element whereby changes in the speed of rotation of the pump as well as changes in the temperature of the liquid are compensated, said gas conduit ending in said liquid inlet passage between the rotatable element and the compressor pump whereby a mixture of gas and liquid is pumped by said pump, the pressure in the gas conduit determining the volumes of liquid and gas passing the compressor pump, a conduit connected to the pressure side of said pump, a restricted outlet for gas and liquid connected into said conduit, said conduit from said pressure side extending beyond said restricted outlet, and an instrument for indicating pressure connected to said extended conduit.

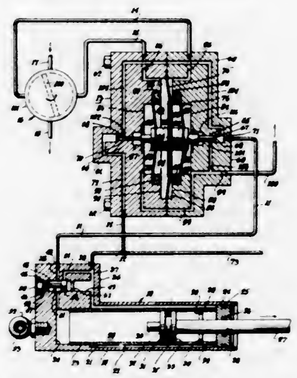
2,598,179
TRANSMISSION
Donald W. Kelbel, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 21, 1944, Serial No. 569,130
16 Claims. (Cl. 74—761)

1. In a transmission, the combination of a drive shaft, a driven shaft, a planetary gear set drivingly connectible between said shafts and including two sun gears and a ring gear, a clutch including a shiftable clutch element connected with the driven shaft, said clutch element in one position connecting said driven shaft with said ring gear and in another position directly connecting said shafts for providing a direct drive,



a brake for one of said sun gears for providing a low speed power train through said gear set and between said shafts when said clutch is in its first named position, and a brake for the other of said sun gears for completing an intermediate speed power train through said gear set and between said shafts when said clutch is in its first named position.

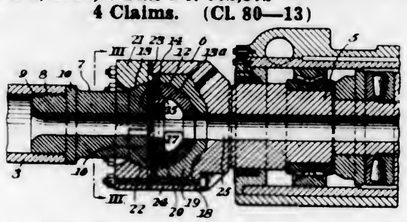
2,598,180
HYDRAULIC SERVOMOTOR SYSTEM
Theodore W. Kenyon, Huntington, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application December 22, 1945, Serial No. 637,059
10 Claims. (Cl. 121—38)



1. In a hydraulic servo-motor system for use with a differential pneumatic signal generator and having a source of hydraulic liquid under high pressure and a sump; the combination of a valve piston and a servo-motor piston each having a pair of working faces of unequal area, the ratio of areas of the pairs of working faces being substantially the same; hydraulic circuit forming means including a pair of cylinder means slidably receiving said pistons respectively, said circuit forming means comprising a high pressure leg between the pair of working faces of correspondingly small area having an induction port through which hydraulic liquid is adapted to be supplied to said leg from said high pressure source, a low pressure leg connecting

the pair of working faces of correspondingly large area and having an eduction port normally covered by said valve piston through which hydraulic liquid is adapted to be discharged to said sump, and a pressure-equalizing leg for connecting the high and low pressure legs to each other having a terminus in said low pressure leg and an entrance port in said high pressure leg, said entrance port being normally covered by said valve piston; and means responsive to the differential pneumatic signal for shifting said valve piston in one direction in its associated cylinder means to uncover said entrance port of said pressure-equalizing leg and for shifting said valve piston in the opposite direction to uncover the eduction port of said low pressure leg, said valve piston shifting means including a pneumatically actuated flexible diaphragm attached to said valve piston.

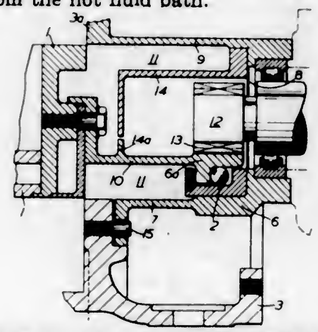
2,598,181
FLEXIBLE CONNECTION
George J. Kirchner, Lorain, Ohio, and Harry Ottinger, McKeesport, Pa., assignors to United States Steel Company, a corporation of New Jersey
Continuation of application Serial No. 503,548, September 23, 1943. This application September 5, 1947, Serial No. 772,372
4 Claims. (Cl. 80—13)



1. In a seamless tube mill having a rotatable compression mandrel bar, a thrust bearing, a thrust spindle rotatably mounted in said thrust bearing and means providing a flexible friction drive from said mandrel to said spindle, said means including a socket member on said spindle and a ball member on said mandrel, said ball and socket members having aligned openings therein in line with the axes of the mandrel and spindle and being characterized by having continuous hemi-spherical bearing surfaces therebetween except for said openings, means fastened to said spindle for detachably holding said bearing surfaces together to prevent lost motion therebetween, and means between said last-named means and spindle for compensating for wearing of said surfaces.

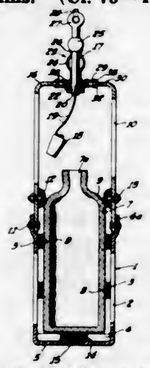
2,598,182
HEAT EXCHANGER BEARING ARRANGEMENT
Paul Kolb, Whitley Bay, England, assignor to Power Jets (Research and Development) Limited, London, England, a British company
Application December 6, 1948, Serial No. 63,757
In Great Britain December 12, 1947
2 Claims. (Cl. 257—6)

1. In a rotary drum type regenerative heat exchanger comprising in combination a hollow rotary drum with a fluid-permeable rim having a solid portion at one end, a casing enclosing said drum, and a duct portion on said casing defining a part extending radially up to said permeable rim, of a fluid path, which path continues through said rim into the interior of the drum and axially out from the drum, the provision of inner and outer annular walls extending axially from said casing outwardly away from said fluid path concentrically with said drum, an end wall uniting the said inner and outer axially extending walls to form therewith an annular bearing chamber within said casing but screened from the hot fluid path by said solid end portion of the rim of the drum, a thin third annular wall extending axially from said solid end portion of said rim away from said fluid path and concentrically into said bearing chamber, a bearing for the drum mounted within said chamber between said inner annular wall and said third annular wall at the outer end of the latter, remote from the hot gas path, and an axial duct portion on said casing extending inside but spaced from said inner wall to define said axial part of the fluid path from the interior of the drum, thus shielding the inner and bearing-carrying wall from the hot fluid path.



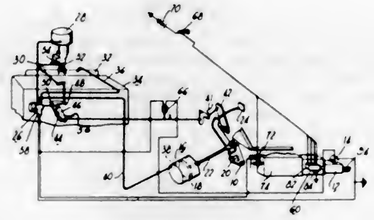
2. A rotary heat exchanger according to claim 1 with driving gear for said rotary drum comprising a toothed gear rim formed around said annular wall extending from the rim of the drum and a driving pinion housed within said bearing-chamber and meshing with said toothed gear rim.

2,598,183
SAMPLE TAKING APPARATUS
Frank V. Long, Los Angeles, Joseph F. Lee, Lynwood, Calif., and Alphonse F. Levi, Hermosa Beach, and Charles C. Keane, Kansas City, Kans.; said Lee, Levi, and Keane, assignors to said Long, doing business as The Vapor Recovery Systems Company, Compton, Calif.
Application October 28, 1946, Serial No. 706,216
10 Claims. (Cl. 73—425.4)



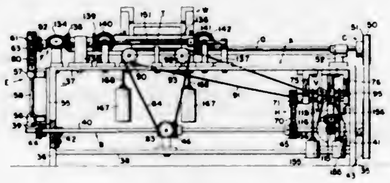
1. In apparatus for taking a sample of liquid from a tank, the combination of a holder having a body to receive a receptacle for the sample, and including a bail hinged to said body, a stem guided through said bail and connected to the closure for the receptacle, and resilient means exerting a downward pull on the stem to hold the closure in its closing position.

2,598,184
ELECTRICAL CONTROL MECHANISM
Richard H. Long, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 15, 1948, Serial No. 65,489
8 Claims. (Cl. 192—3.6)



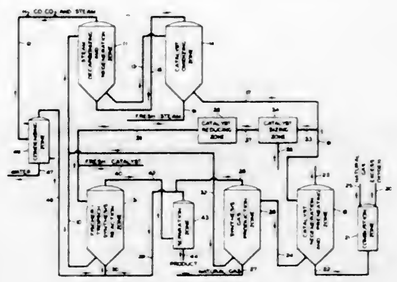
1. A clutch control mechanism for controlling the operation of a clutch mechanism of an automotive vehicle combined with a mechanism for operating a change speed transmission mechanism of said vehicle, said clutch control and transmission operating mechanisms including a clutch operating motor, means for controlling the operation of said motor including a lock-in relay mechanism, a transmission operating motor, means for controlling the operation of the latter motor including a relay mechanism, and means, including a governor operated switch mechanism, for controlling the operation of both relay mechanisms.

2,598,185
SPINNING MACHINE
Daniel W. Maxham, Hogansville, Ga.
Application December 5, 1950, Serial No. 199,169
16 Claims. (Cl. 57—36)



1. In a spinning machine, an elongated twist needle; means to rotate said twist needle on its longitudinal axis; means to deliver fibrous material to said twist needle; and means to assist said twist needle to twist said material and initially draw the twisted fibres off said needle, including a rotatable member having an outer periphery closely adjacent the periphery of said twist needle at all times, the axis of rotation of said twist needle being non-parallel with respect to the axis of rotation of said rotatable member.

2,598,186
PROCESS FOR USE OF SPENT FISCHER-TROPHCH CATALYST FOR MANUFACTURE OF CARBON MONOXIDE-HYDROGEN SYNTHESIS GAS
Bertrand J. Mayland, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 20, 1948, Serial No. 66,365
8 Claims. (Cl. 260—449.6)

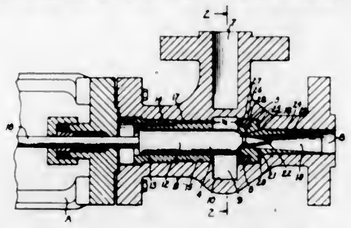


1. A process for the use of spent Fischer-Tropsch catalyst selected from the group consisting of iron, cobalt, and nickel and spent oxygen donor selected from a group consisting of the oxides of iron, cobalt and nickel from a Fischer-Tropsch synthesis gas producing process capable of acting as a Fischer-Tropsch hydrocarbon synthesis catalyst when in a reduced state, which comprises passing said spent Fischer-Tropsch hydrocarbon synthesis catalyst in admixture with said spent oxygen donor from a Fischer-Tropsch synthesis gas producing process at a temperature of 1400 to 2000° F. to steam decarbonization and regeneration, contacting the mixture with steam and hydrogen at a temperature of 1100 to 1250° F. and thereby removing all of the carbon and waxes deposited on said spent catalyst and partially oxidizing said spent catalyst and said spent oxygen donor, passing the partially oxidized material at a temperature of 1100 to 1250° F. in contact with steam and thereby more fully oxdizing said material and cooling same to a temperature of 800 to 950° F., passing at least a portion of the more fully oxidized material to regeneration and preheat where it is contacted with a hot gas containing excess oxygen and is completely oxidized and heated to a temperature in the range of 2300 to 2800° F., contacting thus heated and oxidized material as an oxygen donor with natural gas and thereby converting said gas to carbon monoxide and hydrogen by partial oxidation at a temperature of 1500 to 2000° F., and reducing the remaining portion of said more fully oxidized material and using the same as a catalyst in a Fischer-Tropsch synthesis of hydrocarbons.

2,598,187
VALVE
Royal L. Meyer, Willoughby, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application October 8, 1948, Serial No. 53,499
4 Claims. (Cl. 251—27)

1. A valve comprising a valve seat, an inlet passage terminating in a chamber adjacent to

and surrounding said valve seat and a discharge passage leading from the valve seat, a valve stem extending into said chamber cooperating with said valve seat to control the flow of fluid through said valve, a baffle projecting into said inlet passage diverting fluid to one side away from said stem and seat into said chamber, the cross-sectional area of said chamber diminishing at a substantially uniform and constant rate as it follows around said stem and seat whereby substantially equal amounts of fluid tend to pass over said seat at all circumferential points thereof, said seat and said discharge passage com-



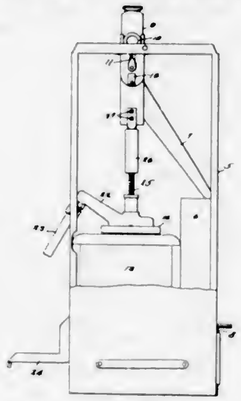
prising a conical portion of relatively short length converging to a cylindrical throat and a conically diverging discharge nozzle type passage leading from said throat, said stem having a cylindrical portion of large diameter closely fitting in and supported by a corresponding bearing surface, said stem having a pilot portion comprising a cylindrical section adapted to fit within said valve throat and terminating in a conical pointed extreme end part, said large cylindrical portion and said pilot portion being joined by a conical shoulder adapted to seat within and contact said converging valve seat portion when said valve is closed.

2,598,188

ADJUSTABLE STROKE DISPENSING PUMP

Ernest D. Minton, Ault, Colo.

Application July 1, 1947, Serial No. 758,270
1 Claim. (Cl. 222—173)



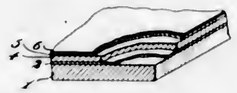
In a liquid vending machine, a housing, a liquid tank assembly mounted within the housing, a cap including a nozzle and spout closing the upper end thereof, a chamber within the tank into which liquid flows from the tank, a rod connected between the cap and chamber, the lower end of the rod providing a stop, a pipe connected with the nozzle, extending into the chamber through which liquid passes to the nozzle from the chamber, a plunger operating within the chamber forcing a quantity of liquid from the chamber, the lower end of said rod providing a stop limiting the upward movement of the plunger in said chamber, a plunger operating mechanism comprising a rod secured to the center of said plunger, the latter rod having a threaded upper end, a vertically movable slide member, a coupling having a threaded bore into which the threaded end of the latter rod is positioned, whereby said plunger operating mechanism is adjusted regulating the movement of the plunger into said cylinder varying the quantity of liquid forced from the chamber.

2,598,189

PHOTOGRAPHIC PRINTING PLATE

William G. Mullen, Winchester, Mass., assignor, by mesne assignments, to A. B. Dick Company, Village of Niles, Ill., a corporation of Illinois

Application March 26, 1948, Serial No. 17,301
8 Claims. (Cl. 95—5.4)



1. A method of making an intaglio printing plate which comprises preparing a support having on one surface a relatively heavy base coating of photosensitizable, substantially water insoluble, water-sorptive hydrophilic colloidal selected from the group of materials consisting of proteins, pigmented proteins, polyvinyl alcohols and mixtures thereof bonded to said support, a relatively thin intermediate coating adhering to said base coating and comprising water-soluble, photosensitizable carboxy methyl cellulose and arabin composition, and a top coating comprising a water-soluble, photosensitizable, hydrophilic colloidal selected from the group of materials consisting of proteins, pigmented proteins, polyvinyl alcohols and mixtures thereof adhering to said intermediate coating, photosensitizing the top, intermediate and base coatings, exposing image-defining areas of the photosensitized coatings so as to produce water-insoluble, grease-receptive printing areas and water-soluble, grease-repellent, nonprinting areas, applying to the surface of said top coating a film of greasy material, subjecting the coatings to an aqueous treatment effective to wash off the greasy material from said non-printing areas, together with the underlying water-soluble top and intermediate coatings, and subjecting the coatings to a further aqueous treatment to effect swelling of the unexposed areas of the base coating to a level above the printing areas of the top coating.

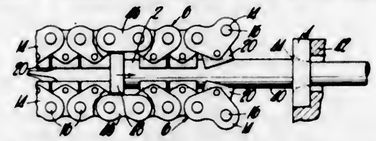
2,598,190

DRAWBENCH

John W. Offutt, Ellwood City, Pa., assignor to United States Steel Company, a corporation of New Jersey

Application January 23, 1946, Serial No. 642,823
3 Claims. (Cl. 205—4)

3. Apparatus for pushing an elongated article through forming means by frictional gripping means and by a pusher block inserted therein and simultaneously supporting the article throughout the length of the unformed portion comprising a pair of endless chains having parallel opposed leg portions, and opposed gripping blocks carried by said chains, certain of said blocks being spaced apart to permit the insertion of a pusher block adapted to be pushed forwardly by the opposed blocks directly therebehind, a



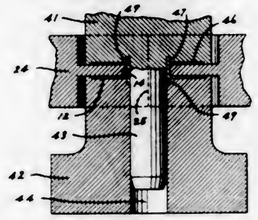
pusher block between at least one of said opposed pairs of spaced apart blocks, said block extending across the space between said chains and being in contact with both the upper and lower opposed gripping blocks directly therebehind.

2,598,191

METHOD OF MAKING FIN ELEMENTS

Melvin P. Penn, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application October 22, 1948, Serial No. 55,882
1 Claim. (Cl. 29—157.3)



The method of making fin elements adapted to be mounted on a conduit of a heat exchanger which consists in, confining the inner and outer wall surfaces of a malleable metal tube along a part centrally of the ends thereof, flaring the ends of the tube beyond said confined surfaces outwardly to form the same into a hollow substantially spool-shaped member having an intermediate collar portion and conical end portions, and then in a single die set performing the operations of moving said conical end portions of said member into perpendicular relationship to the axis of said collar portion while still confining said wall surfaces to form a pair of axially spaced apart radially extending fins, confining at least a part of the edges of said fins to restrict radial outward flow of the material thereof and simultaneously confining all wall portions of said member except those at the base of said fins on the sides thereof opposite the sides joined to said collar portion, and applying pressure to said member to cause the material thereof to flow at said unconfined portions axially relative to and concentric with said collar portion to form a short axial extension thereof beyond each fin.

2,598,192

PROTECTIVE COVER FOR FRANGIBLE DISKS

Milton L. Poust, Riverside, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application August 16, 1948, Serial No. 44,468
2 Claims. (Cl. 206—46)

1. A protective cover for a disk of frangible material comprising a strip of flexible and yieldable material resistant to blows, said strip comprising a main web portion with integral side flanges extending substantially at right angles to the web portion, said web portion and side portion being sufficiently thick to offer substantial resistance against heavy blows, means for securing together the end portions of said strip, said strip being



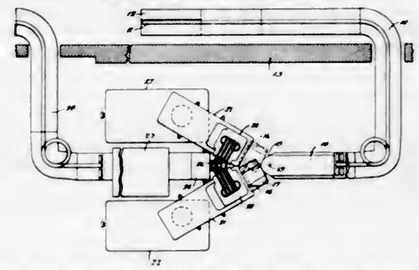
formed of extruded plastic material and said flanges having a planar inner face, and said web portion extending beyond said flanges at one end of said strip in order that one end thereof may overlap and be secured to the opposite end thereof.

2,598,193

CAN DUMPING APPARATUS AND THE LIKE

Vergil Schwarzkopf, La Grange, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois

Application April 5, 1946, Serial No. 659,806
4 Claims. (Cl. 214—1.1)



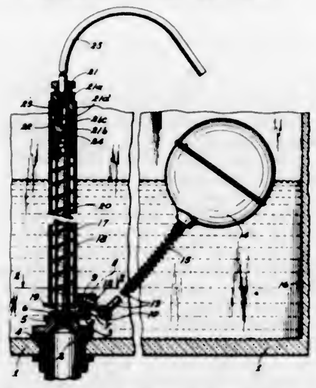
1. In combination with a milk can handling apparatus having an incoming conveyor for filled milk cans terminating in a receiving platform and having a discharging platform for empty milk cans longitudinally spaced from said receiving platform and provided with an outgoing conveyor for removing empty milk cans from said discharging platform, a pair of dump cans spaced between and laterally of said platforms, can dumping support means between said receiving platform and said dump cans for supporting the cans during the dumping of said cans selectively into either of said dump cans by upending said cans over said support means in alignment with the selected dump can, and diverging track members extending outwardly from said discharging platform towards said dump cans and providing guides along which empty milk cans may be pushed onto said discharging platform, said track members having outer prolongations extending laterally over said dump cans and lying immediately in front of said dumping support means so as to receive the open end of a milk can when the can is upended, said outer prolongations being in grid form to allow the passage of milk therethrough into said dump cans when said can is upended and when the same is moved laterally thereon, whereby a random assortment of milk cans containing two grades of milk can be supplied by the incoming conveyor to said receiving platform, while upon reaching said platform the cans containing milk of each grade can be dumped into separate dump cans and then reassembled on said discharge platform for admission to said outgoing conveyor without interrupting the sequence of flow of the milk cans.

2,598,194
BASE FORMER
Albert J. Shippey, Garnavillo, Iowa, assignor of fifteen per cent to Gene E. Eberhard and fifteen per cent to Ray G. Honn, both of Garnavillo, Iowa
Application June 28, 1948, Serial No. 35,650
3 Claims. (Cl. 72—0.5)



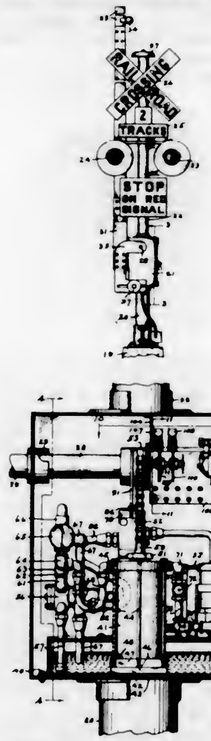
1. A device for backing repair material placed in a hole in a wall comprising a series of perforated superposed disks, a nut equipped bolt extending through said disks eccentrically thereof and pivotally securing the same together for relative swinging movement into axial alignment for passing through said hole, and out of axial alignment to overlap one side of the wall around said hole, and a bar slidably mounted intermediate its ends on said bolt for movement axially thereof at one side of the series of disks for engagement with the other side of said wall adjacent opposite sides of the hole, said series of disks and said bar being relatively adjustable laterally by tightening of said bolt to clampingly engage the first and second-named sides of the wall respectively.

2,598,195
FLUSH TANK INLET VALVE
Harry F. Smith, Lexington, Ohio, assignor to Mansfield Sanitary Pottery Inc., Perrysville, Ohio, a corporation of Ohio
Application July 5, 1947, Serial No. 759,064
8 Claims. (Cl. 137—104)



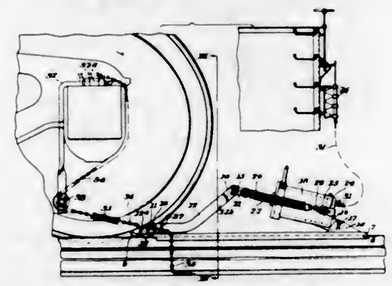
3. In a flush tank having an inlet pipe and a hush pipe surrounding and extending down over said inlet pipe, the combination of a wire spring surrounding and gripping the outer surface of said inlet pipe, the outer surface of the spring being close to, but out of contact with, the inner surface of said hush pipe, the upper end of said hush pipe being interiorly threaded, a plug screw-threaded in the upper end of said hush pipe, said plug having a lower portion whose outer cylindrical surface is close to, but out of contact with, said threads on the hush pipe, said plug having an annular groove around its mid-portion between the threaded and unthreaded parts thereof and also having an opening extending radially from the bottom of said groove to the central part thereof and then axially to the upper end thereof, a refill pipe threaded in said axial passage, a gasket carried in the lower face of said plug to seat on and seal the upper end of said inlet pipe against flow of water therethru, means to raise and lower said hush pipe comprising a bracket freely rotatable in a groove around said inlet pipe below the hush pipe, a foot secured at the lower end of the hush pipe, a rack pivoted to said bracket and engageable with the upper and lower sides of said foot, a float arm connected to said rack, a float engageable with the said end wall of the tank, and elastic means connecting said float to said float arm.

2,598,196
VARIABLE-SPEED SIGNALING CROSSING GATE
Joseph H. Staley, Columbus, Ind.
Application April 6, 1948, Serial No. 19,316
10 Claims. (Cl. 246—130)



1. In a railroad track crossing gate normally falling of its own weight to a substantially horizontal position and power raised responsive to track block circuit conditions, the combination with a hydraulic system characterized by a piston operatively connected with the gate and carried in a cylinder, a motor driven fluid pump connected to the cylinder for flow from the pump to the cylinder against that side of the piston to cause travel thereof to lift the gate upon energizing the motor, and a fluid discharge line from the cylinder from the same said side of the piston; of a speed control valve in said discharge line normally biased to an open position for free flow through said line; a cam moving with gate travel and shaped to actuate said valve after an initial down travel of the gate to restrict flow in said line and hold said restriction through a second range of gate down travel, and then open the valve for a third range of down travel to the gate barrier position; a normally closed shut-off valve in said discharge line, said speed control valve being between said cylinder and said shut-off valve; electrical means for opening said shut-off valve; a signal circuit normally open including a source of energy; a shut-off valve circuit including said electrical means and a source of energy, normally closed; a pump motor circuit including a source of energy; switching means in said motor circuit operated by travel of the gate and holding said motor circuit open with the gate in its fully raised position and closing the circuit in lower positions; a block circuit controlled switch in said motor circuit; said block circuit operating to hold said signal circuit open, said shut-off valve means circuit closed, and said motor circuit block controlled switch closed in the absence of a train in said block, and operating to reverse those circuit conditions with a train in the block.

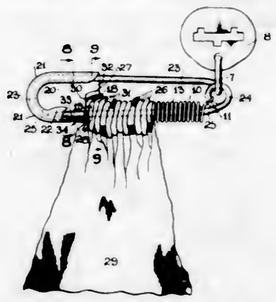
2,598,197
CAR MOVER
Thomas Dale Stewart, New Kensington, Pa.
Application October 22, 1947, Serial No. 781,470
4 Claims. (Cl. 254—38)



1. Apparatus for moving railroad cars comprising a base having an opening therethrough which may be placed on a rail adjacent a wheel of a car to be moved, a lever pivotally mounted on the base, one end of the lever extending through the base, means for rotating the lever about its pivot to press said end against the rail beneath the base and press the portion of the lever adjacent said end against the wheel, thereby causing the wheel to turn.

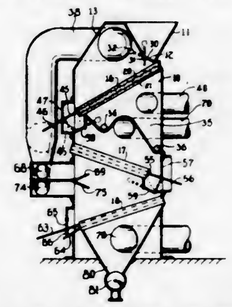
2,598,198
SAFETY PIN
John H. Todd, Cleveland Heights, Ohio
Application October 28, 1947, Serial No. 782,539
5 Claims. (Cl. 24—156)

5. A safety pin, for fastening laundry wash nets, having a head formed with a longitudinally-extending pinning end seat, a spring wire secured at one end to the head and having an opposite pinning end engaging the seat in the closed position of the pinning end, the spring wire being formed with a tension coil formation intermediate its ends, abutment means mounted on the pinning end adjacent the tension coil formation, the head being disposed adjacent to and substantialy parallel to the path of vibratory movements of the pinning end during the washing operation, the head structure forming the seat having a transversely-extending projection therein intermediate its ends, said projection extending into the path of vibratory movements of the pinning end during the washing operation, said projection forming a narrow mounting for the pinning end in the seat, the projection thus providing a longitudinal recess in the seat beneath the pinning end and between the projection and the inner end of the seat, whereby pinned folded net material entering the recess during the washing operation will be only lightly held by the pinning end, thus obviating continuous creeping of the net material into the



recess and the accumulation of this material in the seat beneath the pinning end of the pin, the inner end of the head being cut away adjacent the seat to provide a wedging break therein, whereby folded net material intersected by the pinning end, bearing at its outer side on the walls of the head break, and bearing at its inner side on said abutment means, will be forced, by the play of the pin elements during the washing operation, into the break and transversely down against the pinning end of the pin to minimize the amount of movement of the pin away from its seat.

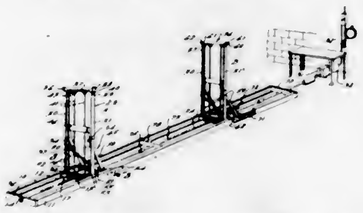
2,598,199
APPARATUS FOR DRYING WET GRANULAR MATERIALS
Gustave Andre Vissac, Vancouver, British Columbia, Canada
Application March 19, 1948, Serial No. 15,758
2 Claims. (Cl. 209—238)



1. Apparatus for drying wet granular material of mixed different sizes, comprising a casing, a plurality of sloping shaking screens in the casing for receiving and agitating the material, the discharge end of each screen being positioned over the upper end of the next screen and each screen having spaced parallel decks with the openings in each deck of each screen smaller than those of the deck above, means for directing a pulsating current of hot gases through the material on each screen, said gases being directed down-

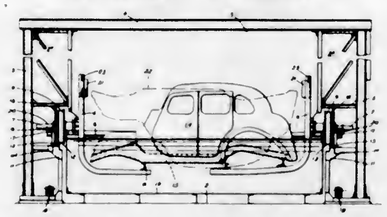
wardly through at least the first screen and upwardly through at least one other screen, and means for receiving the material from the upper deck of each screen selectively to direct it out of the casing or down on to the next screen.

2,598,200
HOISTING APPARATUS
David A. Wallace, Grosse Pointe Farms, Mich., assignor to Walco, Inc., Detroit, Mich., a corporation of Michigan
Application June 23, 1948, Serial No. 34,772
21 Claims. (Cl. 254—126)



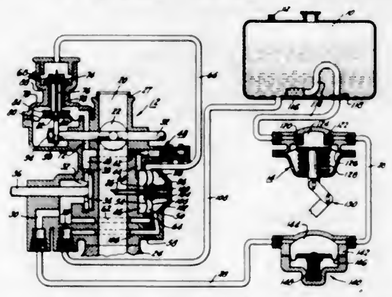
1. In hoisting apparatus comprising a base structure and a boom member mounted on said base structure for shifting movement between generally vertical and generally horizontal positions and having a load support on one end; mechanism for shifting said boom member between said positions including a lever element, a link element pivoted at one end to an end portion of said lever element and at its opposite end to said boom member at a location intermediate the length of the latter, an abutment on said boom member engageable with said link element for limiting pivotal movement of said link element in one direction relative to said boom member, and means for producing relative shifting movements in respectively opposite directions between the other end of said lever element and the other end of said boom member for respectively raising and lowering said boom member through the action of said link and lever elements.

2,598,201
APPARATUS FOR TREATING VEHICLE BODIES
Gethin Williams, Oxford, and Alexander Proud Fowler, London, England
Application June 22, 1949, Serial No. 100,724
In Great Britain January 6, 1944
16 Claims. (Cl. 118—416)



1. Apparatus for automatically treating with liquids both the interior and exterior surfaces of automobile bodies or the like, comprising a tank for containing a liquid, a carriage including a support for removably receiving a body to be treated and mounted for rotation about an axis that is substantially longitudinal of and intersecting the body, a conveyor extending past said tank and including means for movably supporting said carriage with its axis of rotation in a substantially horizontal plane when the carriage is in the middle of the tank, said conveyor including means for advancing said carriage and means for rotating the body support as said carriage is advanced, and a dip in said conveyor supporting means immediately adjacent said tank to lower the carriage, as it is advanced, into said tank for at least partially submerging the mounted body in the tank-contained liquid and with said axis of rotation substantially horizontal and then raise the carriage to pass beyond the tank.

2,598,202
SPEED CONTROLLED FUEL SYSTEM
Emil O. Wirth and Frederik Barfod, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 29, 1947, Serial No. 751,288
9 Claims. (Cl. 123—119)

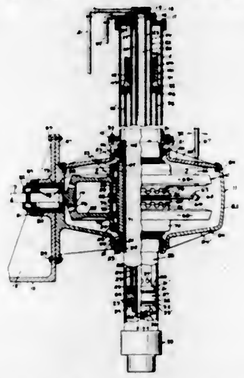


1. In a fuel supply system for an engine having an induction passage with a throttle therein: a conduit having a discharge nozzle in said induction passage, a means for varying the pressure of the fuel in said conduit in accordance with engine speed, a fuel metering restriction in said conduit posterior to said pressure varying means, a passageway communicating with the conduit anterior and posterior to said pressure varying means to create a fuel control pressure, a member responsive to metered fuel pressure and to said control pressure for regulating the discharge of fuel through said nozzle, a resilient means for stopping the flow of fuel through said nozzle, and a second member responsive to said control pressure for rendering said resilient means ineffective while said engine is in operation.

2,598,203
ROTARY EARTH DRILL WITH FLUID PRESSURE FEED
William L. Acker, Jr., Scranton, Pa.
Application January 15, 1951, Serial No. 206,061
7 Claims. (Cl. 255—22)

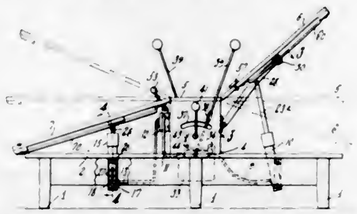
1. In an earth drilling apparatus, a reversible rotary table having a bore therethrough for a hollow driving quill, a housing for said table having a tubular housing extending therefrom provided with a top and in alignment with the bore of the table, a hollow driving quill rotatably mounted in the bore of said table adapted to be connected to said reversible rotary table and rotated in either direction thereby, a drill rotating cylinder slidingly keyed in the hollow driving quill and rotatable therewith having a drill chuck closing off its lower end and an annular head at its top end, a double walled hollow piston rod

within said drill driving cylinder and said annular head thereon suspended at its upper end from said top of the tubular housing and carrying upon its lower end a piston upon which said drill rotating cylinder is adapted to move, said double walled hollow piston rod being provided with a central bore extending to the space below said piston and above said closed off lower end of the drill rotating cylinder and the space provided



between said double walls of the hollow piston rod communicating with the space above said piston and below said annular head on the drill rotating cylinder whereby pressure may be communicated to the space at either side of said piston to advance the drill rotating cylinder or to retract the same, and whereby said reversible rotary table rotates in either direction said hollow driving quill and said drill rotating cylinder slidingly keyed therein.

2,598,204
HYDRAULICALLY OPERATED EXERCISING TABLE
Raymond E. Allen, Kittery, Maine
Application January 21, 1950, Serial No. 139,911
3 Claims. (Cl. 128—74)



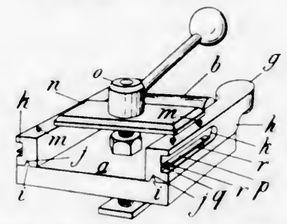
1. In an exercising apparatus, a fixed section having a substantially horizontal supporting surface, a leaf hinged to said fixed section at one side of said supporting surface, being placeable in the same plane therewith and at various inclinations above and below that plane, a lever pivoted to the fixed section below the connection between the leaf and fixed section, extending thence under the leaf and bearing thereon at a considerable distance from the pivot of the leaf, a motor cylinder, and an extensible member movable into and out of said cylinder coupled to said lever at an intermediate point between the pivot thereof and the part which bears on the leaf, said lever causing an augmented movement to be transmitted to the leaf from the motor.

2,598,205
VERMIN TRAP
Henry Altham, Wrexham, North Wales
Application August 4, 1947, Serial No. 766,127
In Great Britain October 12, 1945
1 Claim. (Cl. 43—81)



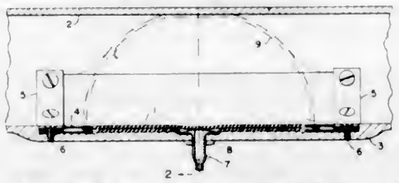
A vermin trap comprising in combination a base member, a pair of spaced staples secured to and extending through said base, a spring actuated jaw pivotally connected to said staples, a fulcrum element connected to each staple and extending from the bottom of said base member to render the latter tiltable upon a supporting surface, a bait carrying catch member pivotally connected to the top of said base member, a detent rod pivotally connected to said base member and engageable at times with said bait carrying catch member for retaining said spring actuated jaw in its set position, a wire link extending through an aperture formed within said base, said bait carrying catch member having a loop formed at one end, a wire lever, said base member having a recess formed in the bottom portion thereof and extending diagonally across the same from the aperture formed therein, means for pivotally retaining said lever within the recess of said base member, said wire lever having a loop formed at one end, said wire link extending through loops of the bait carrying catch member and wire lever whereby the latter may freely slide thereupon and said wire link having stops formed on its opposite ends for limiting the sliding movements of said loops.

2,598,206
MOUNTING DEVICE
John Ingram Austen-Walton, Worthing, England, assignor of one-half to Thomas H. L. Adney, West Worthing, England
Application November 28, 1949, Serial No. 129,757
In Great Britain November 30, 1948
6 Claims. (Cl. 82—37)



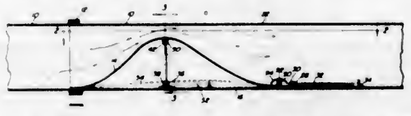
1. A mounting device incorporating at least one holder or carrier for an article to be mounted, said carrier embodying a conical abutment surface and a V-shaped groove constituting a further abutment surface disposed at right angles to the axis of said conical abutment surface, readily releasable clamping means being provided for thrusting said abutment surfaces into contact respectively with a complementary conical abutment surface disposed on a member mounted in a conical bearing on a base member and with a complementary V-shaped ridge on said base member disposed at right angles to the axis of said conical bearing.

2,598,207
VALVING APPARATUS
Ervin G. Bailey, Easton, Pa., and Paul S. Dickey, East Cleveland, and Jack F. Shannon, Euclid, Ohio, assignors to Bailey Meter Company, a corporation of Delaware
Application June 14, 1946, Serial No. 676,742
7 Claims. (Cl. 137—139)



1. A device for regulating the flow of fluid through a conduit comprising, in combination, a recess formed in the inner wall of said conduit and extending around a portion only of its periphery, an expansible member received in said recess and normally filling the latter flush with the wall of said conduit, means for clamping said member along opposite edges in said recess, said member cooperating with the walls of said conduit opposite said recess during expansion to restrict or cut off completely the flow of fluid through the latter, and means for supplying or venting pressure fluid relative to the interior of said expansible member.

2,598,208
DUCT STATIC PRESSURE CONTROL
Revilo E. Bailey, Tulsa, Okla., assignor of one-half to Joseph N. Thompson, Tulsa, Okla.
Application January 23, 1950, Serial No. 140,139
4 Claims. (Cl. 138—45)

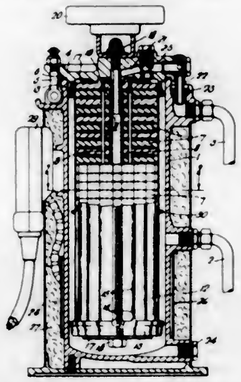


1. A regulating valve for ducts comprising a pliable sheet, means fixedly securing one end of said sheet to the wall of a duct, resilient means engaging an opposite end of the sheet and yieldingly extending said sheet along said wall of the duct, operating means engaging said sheet between said two first mentioned means for moving the mid portion of said sheet transverse said duct to throttle the cross sectional area thereof, said operating means comprising a vane disposed between said sheet and said wall, said vane being oscillatable to cause said transverse movement of said sheet, said vane having rollers journaled thereon for engaging said sheet.

2,598,209
METHOD OF MAKING AGGLOMERATES
Thomas W. Bartram, St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 8, 1950, Serial No. 183,898
10 Claims. (Cl. 260—787)

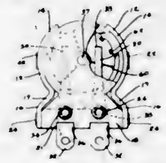
1. The process of making an improved dustless composition for rubber compounding which comprises subjecting to agitation an acidic aqueous dispersion of a mixture of an organic water insoluble accelerator melting above 100° C., a waxy binder containing a polar group in about 5–55 parts by weight per 100 parts of accelerator, and a water insoluble essentially neutral organic binder in about 1–10 parts by weight per 100 parts of accelerator and heating while continuing the stirring until bead-like agglomerates larger than 40 mesh are formed.

2,598,210
FILTER
Thomas Edward Beacham, London, England
Application June 1, 1946, Serial No. 673,767
In Great Britain June 1, 1945
5 Claims. (Cl. 210—150.5)



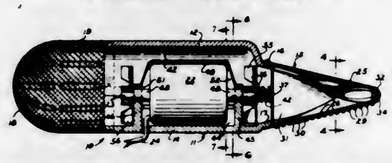
1. A filter comprising a closed, cylindrical casing, an inlet and an outlet through the wall of the casing, a plurality of generally circular, identical plates mounted axially in said casing in face-to-face relationship, said plates being provided with aligned axial openings through said plates in communication with the casing outlet, identical radiating fingers on the circumference of each plate, the fingers on the various plates being in lateral alignment, passageways connecting the side surfaces of the fingers to the axial openings, a preformed, corrugated filter having parallel corrugations of the same cross section and spacing as the plan configuration and spacing of the fingers mounted around the plates with the corrugations nesting over the fingers, and a cap over each end of the plates and filter.

2,598,211
TOY MOTOR
Stephen B. Beliaeff, Suffern, N. Y.
Application September 1, 1950, Serial No. 182,873
10 Claims. (Cl. 172—36)



1. A housing for a direct current toy motor including a commutator, means to produce a field and an armature having a shaft: said housing comprising two sheet metal magnetic elements, each said element having a curved portion the inner surface of which is segmentally circular and constitutes a pole piece of the motor, said curved portions being centered with respect to the armature shaft and of a radius of curvature slightly greater than that of the armature, each said element having a downwardly extending base portion, said base portions being spaced apart to form an open bottom, said pole pieces being located on diametrically opposite sides of said armature, non-magnetic stiff end supports having edges shaped to fit said magnetic elements, said supports having aligned openings in which said shaft is journalled, said elements having through slots near opposite ends thereof, said supports having ears received and captively held in said slots, and a member received in said bottom and bridging said base portions, said member being of high permeability, said member and elements constituting the means to produce a field, said member, elements and supports constituting the housing.

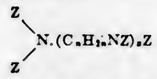
2,598,212
ROTARY SHEAR
Frank P. Blair, Chicago, Ill.
Application April 26, 1949, Serial No. 89,641
6 Claims. (Cl. 30—133)



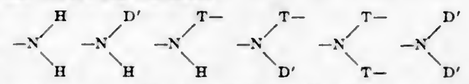
1. In a rotary shear for tonsorial use, the combination comprising a hollow and generally cylindrical casing having a pocket therein, a motor mounted within the pocket but having a shaft projecting beyond the same, a dished sealing cap mounted in overlying relation with the pocket and defining a cooling passage between itself and the inner peripheral wall of said casing, said cap also defining with said pocket a motor chamber sealed from said cooling passage, a collecting basket for cuttings fixed to one end of said casing and disposed in communication with the cooling passage therein, a tapered cutting head fixed to the opposite end of said casing and having mounted therein a plate-like cutting blade with a longitudinal helical twist of substantially 180 degrees, said blade being drivingly connected to said motor shaft, said blade also being adapted to force a stream of cooling air through said passage and at the same time to deposit all severed hair cuttings in said basket.

2,598,213
PROCESS FOR PREVENTING CORROSION AND CORROSION INHIBITORS
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1949, Serial No. 113,673
14 Claims. (Cl. 252—8.55)

1. A process for preventing corrosion of metals comprising applying to the metal a compound of the kind selected from the class consisting of the following type formula:

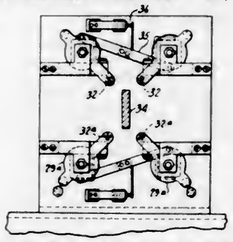


in which n represents a small whole number varying from 2 to 10; x is a small whole number varying from 1 to 10; Z is H, RCO, R'CO, or D, in which RCO represents an acyl radical derived from a higher molecular weight carboxy acid and must occur at least once; R'CO is an acyl radical derived from a lower molecular weight carboxy acid having six carbon atoms or less; and D is a radical selected from the class consisting of alkyl radicals and aminoalkyl radicals; and said amide is further characterized by the fact that there must be at least one occurrence of one of the following radicals:



in which T is an alkylene radical and D' is an alkyl radical.

2,598,214
INDUCTOR LEVELING SWITCH
Joseph H. Borden, Toledo, Ohio, assignor to Haughton Elevator Company, Toledo, Ohio, a corporation of Ohio
Application July 5, 1949, Serial No. 102,967
19 Claims. (Cl. 200—87)

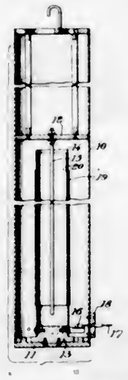


14. In a magnetic induction switch, in combination, a magnetizable plate mounted on a first member, a magnet mounted on a second member, said magnet providing a magnetic field that is adapted to link with the magnetizable plate and which field extends obliquely to the path of movement of the member to link with the nearer marginal area of the plate when the plate is approaching toward or receding from the switch, a pivotally mounted armature that is oriented to extend along the oblique position of said magnetic field linking the marginal area of the plate and that moves in response to changes in direction of the magnetic field as the plate moves relative to the magnet, and cooperating electrical contacts one of which is operatively connected to the armature to be operated as the armature moves in response to changes in direction of the magnetic field.

2,598,215
IONIZATION CHAMBER
Casimer J. Borkowski and Ralph H. Firminhac, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application January 9, 1946, Serial No. 640,106
2 Claims. (Cl. 313—54)

1. An ionization chamber including a container having therein a tubular high voltage electrode, a rod collecting electrode extending along the axis of the tubular electrode, the container having a removable end wall engaging one end thereof in screw-threaded relation to facilitate ready removal of said tubular electrode, the tubular electrode being mounted thereon and removable therewith, the tubular electrode in operative position normally extending upwardly

from the removable end wall to form a specimen holder for a tubular specimen contaminated with

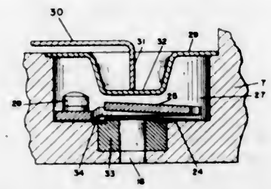


radioactivity, holding said specimen therewithin to surround said rod electrode, thereby providing improved chamber geometry.

2,598,216

ROTARY PUMP VALVE CONSTRUCTION FOR COMPRESSORS

Samuel Bousky, Shaker Heights, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application April 23, 1947, Serial No. 743,343
3 Claims. (Cl. 251—119)



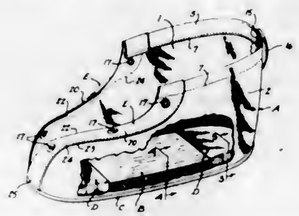
2. A reed valve and a passage to be valved thereby, said valve being comprised of flat resilient material having an annular portion and a re-entrant radially inwardly extending central flap section, anchoring means for anchoring a part of said annular portion to dispose said annular portion concentrically with the passage to be valved and to normally dispose said central flap section in overlapping contact with said passage to close the same and so that the remainder of said annular flap portion is free to flex with respect to said anchoring means.

2,598,217

INVALID'S BOOT WITH THICK RESILIENT INSOLE

Hazel J. Bronson, Garden City, N. Y.
Application July 9, 1949, Serial No. 103,793
5 Claims. (Cl. 36—8.5)

1. An improved invalid's boot for a cast-bound or bandaged foot including, a washable boot body comprising a pair of upper side sections and a bottom section all formed from light, flexible and porous textile material, said pair of upper side sections being sewn together at the heel edges thereof with said bottom section sewn to the sole edges of said side sections, an infolded reinforcing strip sewn to the top edges of said side sections and a reinforcing strip sewn to the front edges of said side sections, the side sections of the boot presenting free front edges extending from the top to the point of contact of said upper side sections with the toe end of the boot sole, lacing eyelets spaced along the free front edges of said

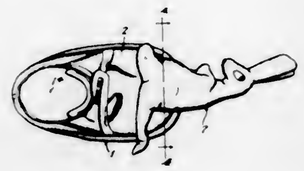


side sections, a removable insole member formed from highly resilient rubber having a substantially uniform thickness throughout its extent and in excess of one-half inch, said insole member covering substantially the entire inside face of said bottom section, and a relatively thin, flat and wear resisting outer sole member secured to the outer face of said textile bottom section.

2,598,218

BABY'S TOY AND SUPPORT THEREFOR

Augusta K. Brumby, Atlanta, Ga.
Application November 23, 1949, Serial No. 129,070
3 Claims. (Cl. 36—2.5)

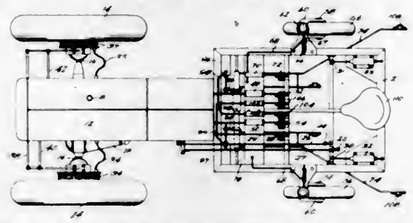


3. A baby's shoe comprising a flexible covering suitably shaped for placement on a baby's foot and having a flexible sole and an upper joined to the sole, said upper providing a cavity for the reception of the baby's foot and terminating in a closed upper for conformance with the toe of the baby's foot, means on the shoe for preventing withdrawal of the baby's foot from the cavity, a toy of substantial size flexibly connected directly and securely at its base to the shoe adjacent the front end thereof, substantially the entire toy extending forwardly from the shoe in the general longitudinal direction of the sole when the shoe is in the normal upright position and resting upon a flat surface, the flexible connection of the toy and the weight and length of the toy allowing the toy to depend from the shoe as the shoe is turned sole up whereby the connection to the shoe and the size of the toy provides a baby shoe having a toy thereon with which the baby may play without danger of the toy being caught in the throat of the baby.

2,598,219

TRACTOR AND CULTIVATOR ATTACHMENT

Robert M. Burgess, Cullman, Ala.
Application November 7, 1946, Serial No. 708,292
3 Claims. (Cl. 97—47)

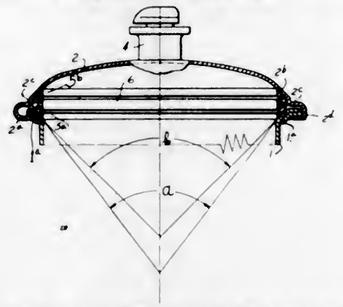


1. In a cultivator attachment for a tractor, the combination which comprises a tractor having a chassis, front and rear wheels on which the chassis is mounted, a seat positioned on the chassis, a transversely disposed shaft positioned in the chassis, hubs slidably mounted on the shaft, telescoping sleeves carried by the hubs, arms extended from said telescoping sleeves, hydraulic cylinders mounted on the chassis parallel to and spaced from the said shaft, connecting rods extended from said hydraulic cylinders, means adjustably connecting the said connecting rods to the arms extended from the said sleeves, cultivator carrying frames carried by the said hubs, cultivator blades depending from the said frames, foot pedals pivotally mounted on the chassis and positioned for operation by an operator on the said seat, and means actuating the said connecting rods by the said foot pedals for laterally adjusting the positions of the cultivators.

2,598,220

COVER SEALING MEANS FOR COOKING UTENSILS

Otto M. Burkhardt, Euclid, Ohio
Application November 5, 1945, Serial No. 626,873
2 Claims. (Cl. 220—46)

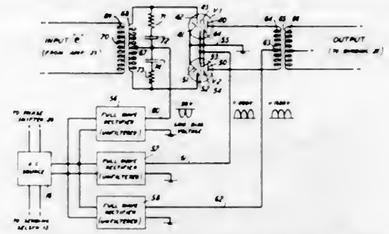


1. A cooking utensil comprising a container, a closure therefor, releasable means for holding the closure upon the container, the adjacent portions of the closure and container having their inner surfaces so formed as to provide together a radially unobstructed internal annular groove with outwardly converging marginal surfaces, and an annular flexible sealing means of like form arranged in said groove and having axially and radially freely-acting yieldable marginal portions adapted for sealing engagement with the marginal surfaces of said annular groove, the normal angle of inclination of the outer surfaces of the marginal portions of the sealing means, with respect to the longitudinal axis of the container, being of less degree than that of the marginal surfaces of said annular groove.

2,598,221

POWER AMPLIFIER CIRCUIT

Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 8, 1947, Serial No. 784,885
4 Claims. (Cl. 179—171)

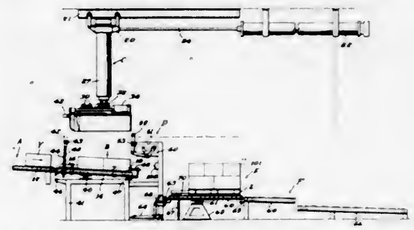


1. In combination, two discharge devices in push-pull relationship, each comprising an anode, a cathode and a control element, means for applying a first rectified sine full-wave which varies from zero to maximum during each half cycle of the sine wave between the cathode and anode of each of said devices, and means including means for applying a similar rectified sine full-wave in opposite phase with respect to the first full-wave between the cathode and the control element of each device for keeping the anode current in each device in the vicinity of anode-current cutoff during the full-wave cycle.

2,598,222

MATERIALS HANDLING APPARATUS

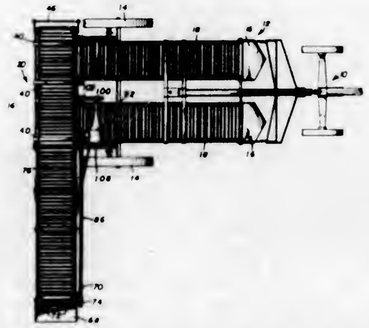
Norman L. Cahners, Newton, and Alexander W. Moffat, Boston, Mass., assignors of one-half to said Cahners and one-half to Materials Handling Laboratories, Inc., Boston, Mass., a corporation of Massachusetts
Application March 14, 1947, Serial No. 734,590
13 Claims. (Cl. 214—6)



1. Materials handling apparatus for loading a multiplicity of individual units into a composite load, comprising a table forming an assembling station adapted to support repeatedly a multiplicity of units in side by side patterned relation forming a tier supported at a predetermined position on said table, an adjacent support forming a loading station, a movable grab lift having relatively movable jaws and having a path of movement of inverted U-shape between said assembling station and said loading station, the legs of the U respectively overlying said stations, said grab being adapted at the assembling station end of said path to grab a single tier of said side by side units assembled on said table and at the other end section of said path to release said tier, and power mechanism for cyclically moving said grab back and forth along said path to lift and move successively single tiers of said side by side units from said assembling

station and carry the single tiers to said loading station for deposit one on top of another in fixed vertically aligned relationship with said loading station support.

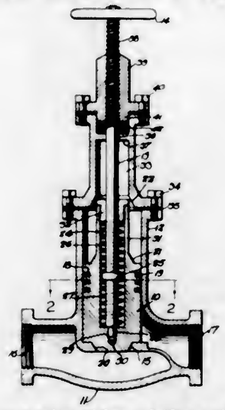
2,598,223
DISCHARGE CONVEYER ATTACHMENT FOR POTATO DIGGERS
Linwood Roy Chase, Presque Isle, Maine
Application May 14, 1947, Serial No. 748,142
3 Claims. (Cl. 198—108)



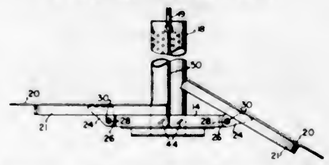
3. A conveyor attachment for a potato digger comprising a first frame having spaced parallel elongated horizontal bars, a second frame having vertically inclined spaced parallel elongated bars including upper and lower ends, said lower ends being secured to said horizontal bars, a shaft rotatable on the upper ends of said vertical bars, sprockets on said shaft disposed inwardly of said vertical bars, guide rollers depending from said horizontal and vertical bars, an endless conveyor belt entrained over said sprockets and supported upon said guide rollers, said conveyor belt including spaced transverse lifting cleats, means for bracing said horizontal bars, and means carried by said bracing means adapted for removably securing the conveyor attachment to a potato digger, wherein said bracing means includes a plurality of vertical standards secured to one of said horizontal bars and plates terminally secured to the upper ends of said standards and to the other of said horizontal bars, said securing means including eyelets carried at the junctures of said vertical standards and said plates and adapted to receive a portion of a potato digger.

2,598,224
FAUCET
Oran Clonts, Midwest City, Okla.
Application January 12, 1948, Serial No. 1,741
1 Claim. (Cl. 251—32)

In a valve, the combination which comprises a valve body having inlet and outlet connections at the ends and a bonnet with a cylindrical inner surface positioned intermediate of the said inlet and outlet connections and extended perpendicularly from a center line through said connections, said body having a web with a valve seat therein positioned between the said inlet and outlet connections, a sleeve having a cylindrical inner surface with a valve seat on the lower end positioned on said bonnet and aligned with the cylindrical inner surface of the bonnet and valve seat of the web of the valve body, an internally threaded nut on the end of said sleeve, a piston having a bore and provided with valve surfaces on the ends providing a valve member and positioned in the said bonnet, spaced packing rings in the peripheral surface of the piston, an extended valve stem with a handle on the outer end threaded in the said nut on the end of the sleeve and extended into the bore of the valve member, said piston having a collar spaced from its lower end positioned in the valve member, springs on the stem positioned in the bore of the valve member and on opposite sides of the said collar, said valve member having an extended guide sleeve extended from the upper end thereof and positioned to coact with the inner cylindrical surface of the sleeve on the end of the bonnet, and a nut on the end of said valve member for holding the end of one of the springs therein and through which the said extended stem passes.



2,598,225
TILTABLE SUPPORT FOR USE IN TREATING TEXTILE MATERIAL
Clarence Cochrane, Melrose, Mass.
Application July 24, 1947, Serial No. 763,422
8 Claims. (Cl. 68—197)

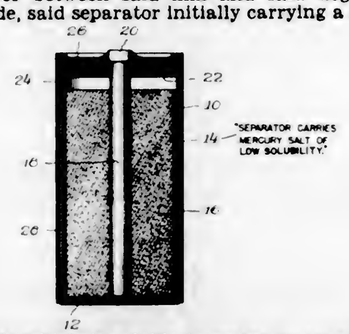


1. A support for treatment of fibrous materials comprising a rigid frame having side and end rails, a standpipe at the center of the frame, a radial dividing plate extending upwardly from the frame on each side of the standpipe, a plurality of perforated platform sections supported by the frame on opposite sides of the dividing plates, hinge means carried by the side rails of the frame and connected with the platform sections, said hinge means being spaced outwardly from the dividing plates, and a locking device for each section.

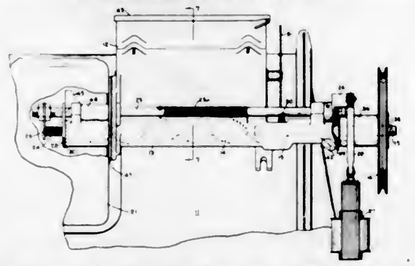
2,598,226
DRY CELL AND SEPARATOR THEREFOR
Joseph J. Coleman, Freeport, Ill., assignor to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application March 3, 1950, Serial No. 147,509
9 Claims. (Cl. 136—102)

2. In a dry cell, the combination of a zinc negative electrode, a positive electrode, a body of

mix between said electrodes, said mix being moistened with an aqueous electrolyte, a bibulous separator between said mix and said negative electrode, said separator initially carrying a mercury salt which is soluble in water to an extent not exceeding about 0.1 gram per 100 grams of water, said cell being substantially free of a compound having a radical from the group consisting of the chromate and dichromate radicals.



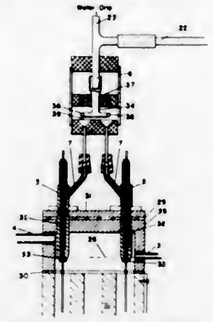
2,598,227
INJECTOR FOR POWDERED MATERIALS
Arthur R. Constantine, South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application March 12, 1948, Serial No. 14,492
3 Claims. (Cl. 222—413)



1. In an injecting mechanism of the character described, a housing, a feed screw for carrying material in said housing to an outlet positioned at one end thereof said outlet being concentric with the axis of rotation of said feed screw, an agitating member in said housing, a cut off blade slidable in a plane to cover and uncover said outlet of said housing and to move in shearing contact with said outlet, electro-magnetic means operable to cause actuation of said agitating member and to cause rotation of said feed screw, and connections cooperating with said electromagnetic means to slide said blade to open said outlet at the start of said agitator and feed screw rotation and to slide said blade to close said outlet at the termination of said agitator and said fed screw rotation.

2,598,228
ELECTROLYTIC APPARATUS
Robert Bruce Cox, Wyandotte, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application February 3, 1945, Serial No. 576,041
5 Claims. (Cl. 204—219)

1. An electrolytic cell of the moving mercury cathode type comprising an electrolyte chamber, a vertical rod extending within said chamber, a tubular supporting element for said rod mounted in the top wall of said chamber, said tubular supporting element holding and making electrical contact with the upper end of said rod, a portion of the inner surface of said supporting element being spaced from said rod, and a conduit for mercury leading to the space between said supporting element and said rod, said space extending to the lower end of said supporting element whereby mercury introduced therein flows down the surface of said rod.



2,598,229
PROCESS OF MAKING AGGLOMERATES FOR RUBBER COMPOUNDING AND PRODUCT THEREOF
Kenneth E. Creed, Jr., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 8, 1950, Serial No. 183,897
8 Claims. (Cl. 260—306)

1. The process of making an improved dustless free-flowing 2,2'-dithiobis benzothiazole composition for rubber compounding which comprises producing an aqueous dispersion of 2,2'-dithiobis benzothiazole by oxidizing sodium mercaptobenzothiazole in aqueous solution, adjusting the pH of the dispersion at least as low as 7, and without isolating the product adding a higher fatty acid in such amount as to constitute about 5%–9% of the combined weight of fatty acid and 2,2'-dithiobis benzothiazole, stirring and heating the dispersed mixture in the presence of the by-product salts accompanying the formation of 2,2'-dithiobis benzothiazole at a temperature in the range of 85° C. to refluxing temperature until bead-like agglomerates larger than 80 mesh are formed.

2,598,230
RETRACTABLE BARB DEVICE
Theodore F. Dann, Milwaukee, Wis.
Application December 14, 1948, Serial No. 65,222
9 Claims. (Cl. 43—5)

1. In a gaff, a shank, a hook formed at the end of said shank and having a slot at its end, an element having a penetrating point forming the end of said hook and adapted to be rotatable axially of itself, a barb pivotally supported in the slot to permit movement of a part of the barb in or out of said slot, a spring mounted to urge said barb outwardly from said slot, said element having a cam surface, and a shoulder formed at the end of said barb to engage said cam surface, whereby as said element is rotated in one di-

rection, said cam surface acts to force said barb part into said slot against the pressure of said



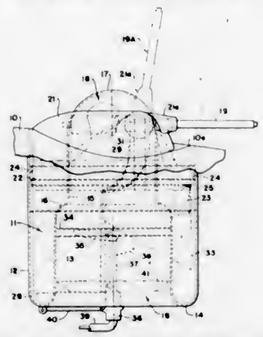
spring and permits the barb part to move out of said slot when rotated in the other direction.

2,598,231

AIRCRAFT GUN TURRET

Charles H. Davies, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware

Application April 5, 1948, Serial No. 18,919
17 Claims. (Cl. 89—37.5)



1. In aircraft, an ordinance position comprising a pressure-tight wall of the aircraft having an annular inwardly protruding peripheral recess formed therein, said peripheral recess opening externally and arranged to house ordnance and ordnance accessories, and a central chamber formed by said wall within said annular recess portion opening internally into a pressurized interior of the aircraft arranged for occupancy by a gunner, said aircraft wall extending internally of said annular peripheral recess and externally of said central chamber.

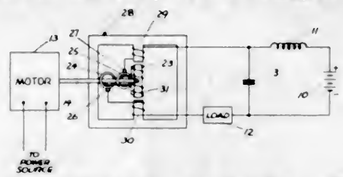
2,598,232

OSCILLATION GENERATOR

John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application June 11, 1946, Serial No. 675,867
11 Claims. (Cl. 322—61)

1. An oscillation generator, comprising first and second series-connected inductance coils, a capacitor connected in parallel with said coils, said capacitor dimensioned to form with one of said coils an oscillatory circuit, means to charge



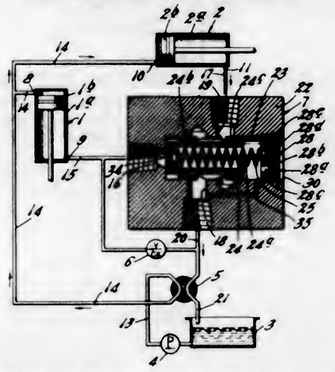
said capacitor prior to commencing oscillation, and means for varying the inductance of said one of said coils.

2,598,233

SEQUENCE VALVE FOR HYDRAULIC POWER SYSTEMS

Clinton E. Deardorff, San Fernando, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 29, 1948, Serial No. 62,471
5 Claims. (Cl. 60—52)



1. A valve of the type described comprising, a cylinder having first, second and third longitudinally spaced ports; a piston in said cylinder and spring means urging it in one direction from said third port toward said first port, said piston having a land portion sealing with and blocking said cylinder between said first and second ports when said piston is at the limit of its travel in said one direction, said piston being movable in the other direction in response to fluid flow into said first port into position in which said land clears said cylinder between said first and second ports and blocks said cylinder between said second and third ports, and passage means permanently connecting said second port with the end of said cylinder remote from said first port.

2. A hydraulic system comprising first and second motors, each having a pair of ports; means for supplying pressure fluid simultaneously to one of the ports of both motors; a valve casing having first, second and third ports, the first port being connected to the other port of said first motor, said second port being connected to exhaust, and the third port being connected to the other port of said second motor, valve means within said casing responsive to fluid flow into said first port for communicating said first port with said second port and blocking communication between said third and second ports, said valve means including a spring responsive to cessation of fluid flow into said first port for shifting said valve to communicate said third port with said second port.

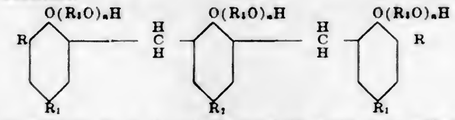
2,598,234

CERTAIN OXYALKYLATED DERIVATIVES OF TRINUCLEAR AROMATIC COMPOUNDS AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application November 12, 1948, Serial No. 59,766
8 Claims. (Cl. 260—613)

1. Hydrophile synthetic products of the formula



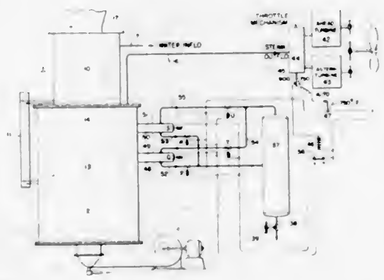
in which R is a member of the class of alkyl, aralkyl, alicyclic and aryl radicals having not over 8 carbon atoms, and R_1 and R_2 are members of the class of alkyl, aralkyl, alicyclic and aryl hydrocarbon radicals having not over 18 carbon atoms, and R_3 is a member of the class of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20, with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,598,235

VAPOR GENERATOR OPERATION

Paul S. Dickey, East Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application June 14, 1946, Serial No. 676,835
6 Claims. (Cl. 60—102)



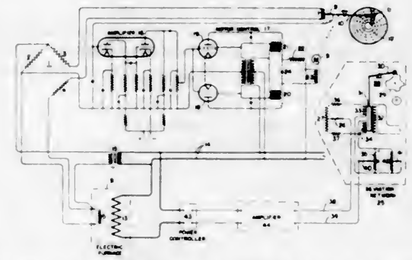
1. The method of operating a power plant comprising a vapor generator and two vapor consuming prime movers, each requiring vapor of a different total temperature and connected to the generator for independent operation, which includes, continuously operating the vapor generator to maintain either a first or a second predetermined vapor temperature standard, shifting the operation of the vapor generator from one to the other of said standards through varying the proportion of vapor generating surface to vapor superheating surface, and shifting simultaneously the operation from one prime mover to the other.

2,598,236

CONTROL SYSTEM

Paul S. Dickey, East Cleveland, and Anthony J. Hornfeck, Lyndhurst, Ohio, assignors to Bailey Meter Company, a corporation of Delaware

Original application January 30, 1946, Serial No. 644,267. Divided and this application January 18, 1949, Serial No. 71,424
5 Claims. (Cl. 236—46)



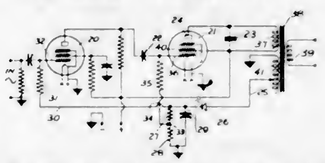
1. Temperature control means for a furnace or the like comprising in combination, a furnace, heating means for said furnace, a controller for said means, a resistance thermometer subject to the temperature of the furnace and including a motor actuated to indicate the temperature, a deviation bridge including a pair of resistors each having a movable contact element, a conjugate conductor connecting said movable contacts for possible division of the bridge into two equal sections, means to induce alternating current into each section to energize the same comprising a dual secondary transformer having one secondary connected in each section, a primary and a movable core element to inversely control the coupling of the secondaries to the primary, means connecting said motor to actuate one of said movable elements, program means to move another of said movable elements to establish desired temperature standards changeable with time, means responsive to unbalance current in said conjugate conductor for actuating said heating means controller, and the remaining movable element being manually adjustable to determine the degree of deviation of the furnace temperature from the programmed temperature and independent of any change in position of the controller for the heating means.

2,598,237

AUTOMATIC VOLUME CONTROL SYSTEM

Arthur W. Donelson, Flint, Mich., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

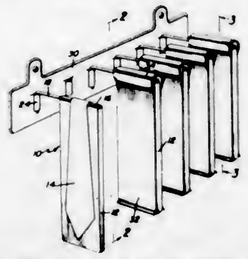
Application May 7, 1947, Serial No. 746,604
3 Claims. (Cl. 179—171)



1. An automatic gain control system for audio amplifying circuits of the type including at least two successive stages of electron discharge tube audio amplification comprising means for applying a high negative bias level approaching cut-off bias to the vacuum tube of the first audio stage, said means operating to decrease said nega-

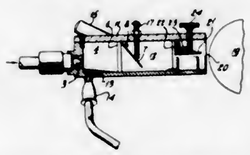
tive bias in accordance with the tendency of the amplifier output signal to decrease, and means to apply a fixed proportion of said bias level as a second smaller negative bias level to the vacuum tube of the succeeding audio stage, the bias proportion between said audio stages being of a value to operate said vacuum tubes at different points on their dynamic response curve so that the even order harmonic distortion generated in said first audio stage is substantially balanced out in said second audio stage to produce substantially undistorted amplifier output when the amplifying system is operated under said negative bias levels.

2,598,238
NECKTIE PRESSER
Nick Dorazio, Baltimore, Md.
Application July 6, 1950, Serial No. 172,266
2 Claims. (Cl. 38—72)



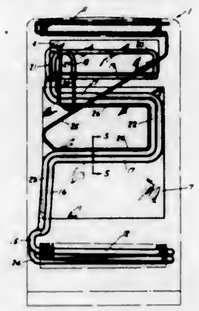
1. A combined necktie presser and hanger comprising an elongated bracket adapted to be secured to a support, a plurality of longitudinally spaced, horizontally extending arms mounted on said bracket for pivotal movements in a horizontal plane, an elongated flat plate having an upper rounded edge and secured adjacent this edge upon each of said arms, and a presser member adapted to retain and press a necktie in proper position on and about each flat plate, said presser member including a U-shaped clip having outwardly curved free edges, said clip being approximately as long and as wide as each flat plate.

2,598,239
CONDITIONING YARN, THREAD AND THE LIKE
Charles F. Dulken, Montclair, Helmuth C. Sonntag, Newark, and George Westwater, Irvington, N. J.; said Westwater and said Sonntag assignors to said Dulken
Application December 16, 1946, Serial No. 716,446
5 Claims. (Cl. 299—88.5)



1. An apparatus for producing a film of yarn conditioning liquid on the roller driving the package in a yarn winding machine, said apparatus comprising, in combination, a flat substantially triangular case having a substantially triangular bottom wall and a substantially triangular top wall parallel to said bottom wall, an atomizing nozzle terminating in a corner of said case and delivering a spray jet of liquid into the case, said case having a side wall disposed opposite said nozzle and extending at substantially a right angle to said bottom and top walls and comprising slot means for discharging a sheet of vaporized liquid from said case.

2,598,240
UNIFORM PRESSURE ABSORPTION EVAPORATOR
Walter L. Edel, Louisville, Ky., assignor to Clayton & Lambert Manufacturing Company, Louisville, Ky., a corporation of Delaware
Application August 24, 1948, Serial No. 45,856
8 Claims. (Cl. 62—119.5)

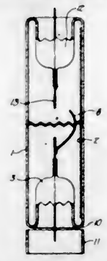


1. In a refrigerator of the uniform pressure absorption type: an insulated cabinet providing separate insulated freezing and chilling compartments; conduit means forming an evaporator freezing section in heat exchange relation to said freezing compartment and a chilling section in heat exchange relation to said chilling compartment, said sections being connected in series by a connector for the flow of gas and by a separate transfer line for the flow of liquid refrigerant, the freezing section having a gas inlet and a liquid refrigerant feed point, and the chilling section having a mixed gas outlet, both of said sections cooperating to provide a gas path for the flow of gas from the gas inlet serially through the freezing section, the connector and the chilling section to the gas outlet and providing a liquid path for the flow of liquid refrigerant from said feed point serially through the freezing section, the transfer line and the chilling section; and conduit means forming separate passages for the separate flow of incoming liquid refrigerant into said feed point and of incoming inert gas into said gas inlet, both of said incoming passages being elongated and arranged in direct physical heat transfer relationship along a portion of their respective lengths with said chilling section.

2,598,241
ELECTRIC DISCHARGE DEVICE
Willem Elenbaas, Dirk Kolkman, and Rein Willemse van der Wolf, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, as trustee
Application April 30, 1949, Serial No. 90,604
In the Netherlands June 15, 1948
4 Claims. (Cl. 315—72)

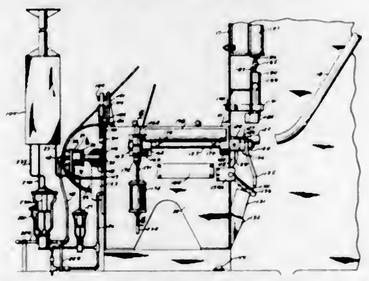
1. The method of establishing an electrical connection between a mount structure of an electric discharge device and a conductive layer on the inner surface of the envelope of said device, which method comprises securing a bimetallic element to the mount structure before inserting

said mount structure in said envelope and in such a manner that the bimetallic element when unheated extends laterally of the mount structure but bends back toward the mount structure when sufficiently heated, heating the bimetallic element sufficiently so that it is bent back out of engagement with the wall of the envelope and the conductive layer during assembly of the en-



velope and the mount structure, inserting the mount structure into the envelope while the bimetallic element is bent back as aforesaid, and sealing the mount structure to the envelope in such a position that the bimetallic element will engage said conductive layer when unheated and thereby establish an electrical connection between said mount structure and said conductive layer.

2,598,242
GRAIN PUFFING MACHINE
Robert H. Ernest, Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application May 16, 1950, Serial No. 162,225
27 Claims. (Cl. 99—238)



1. A grain puffing machine comprising a gun rotatable upon its axis, a head to close the mouth of the gun, means to rotate the gun, means to stop the rotation of the gun at a fixed point after a predetermined processing period, a locking device for the head of the gun, a firing arm movable over the mouth of the gun, and means actuated after the gun has stopped its rotation to move the firing arm to free the locking device.

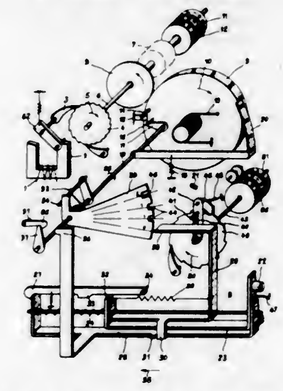
2,598,243
RAZOR
Alberto Estrada, Los Angeles, Calif.
Application March 16, 1946, Serial No. 654,968
1 Claim. (Cl. 30—59)

In a device of the class described, a blade holding member comprising a lower and an upper plate hingedly connected, said lower plate having a notched portion, the upper plate being formed with a latch member adapted to engage the latter, the lower plate having grooves and ribs upon the upper plate adapted to engage said grooves, when said plates are in locked position, a plate provided with guards and being formed



with dovetails, downwardly extending and inwardly bevelled lugs upon the aforesaid lower plate adapted to slidably fit over said dovetails.

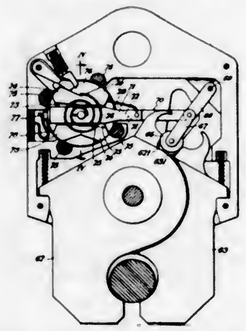
2,598,244
SURTAX REGISTERING AND TOTALIZING COUNTER FOR TELEPHONY SYSTEMS
Rolf Fässer, Geneva, Switzerland, assignor to Sodeco Societe des Compteurs de Geneve, Geneva, Switzerland, a firm of Switzerland
Application February 1, 1950, Serial No. 141,644
In Switzerland February 2, 1949
5 Claims. (Cl. 235—92)



1. In a telephonic fee indicating device for telephonic plants subject to a plurality of surtaxes, including a charges totalizing counter (11—12) provided with digit drums and adapted to be forwardly driven, step by step, by a controlling mechanism provided with an electromagnet receiving a number of current impulses corresponding to the various areas of traffic (local, suburban or trunk connections), whereby the number of current impulses for each calling selectively determine the amount of the various surtaxes for said traffic areas, in combination: a charge indicating digit drum (9) connected to the controlling mechanism so as to be rotated by the same only in the direction of the increasing charges, a spindle (19) carrying a surtax-indicating flap (20) and a coupling arm (17), a stationary stop in the path of said flap, means for exerting an eccentric thrust on the charge indicating drum, said coupling arm being biased against the eccentric thrust in the same direction of rotation as that imparted thereto through the action of the controlling mechanism, a driving member (54) and a reset arm (37) on said spindle, a surtax selecting member (39) adapted to be positively rotated by said driving member (54) in one direction, a spring (53) for urging said selecting member in a reverse direction of rotation, said selecting member having a plurality of stepped abutment surfaces (44—46), each representing the amounts of the successive

surtaxes to be registered, a spring urged releasing knob (22), a snap acting mechanism adapted to be put in operation by said knob and comprising reciprocable means (29—38), having motion limiting means cooperating with said abutment surfaces, a surtax totalizing counter (51—52); unidirectional variable stroke actuating means for said totalizer (42, 45, 48, 49) inserted between the reciprocable means and the surtax totalizing counter, said reciprocable means being adapted to cooperate with said abutment surfaces by one of the strokes of said releasing knob and also to have the surtax amount added in the surtax totalizing counter, by the other strokes of said knob, said snap acting mechanism including a resetting member (36) adapted to drive said reset arm (37) for returning the surtax indicating flap to zero by a snap released operation.

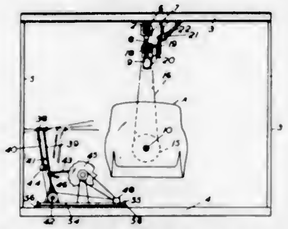
2,598,245
LOCKING MECHANISM
Reginald Arthur Firman, Weybridge, England, assignor to Vickers-Armstrongs Limited, London, England
Application June 30, 1948, Serial No. 36,239
In Great Britain October 3, 1947
2 Claims. (Cl. 74—469)



1. A tripping mechanism for a releasable attachment of the type described, comprising a toggle linkage, a rotary actuator mounted adjacent the said linkage and adapted upon rotation to initiate collapse of said linkage, a holding member on said actuator adapted normally to restrain said toggle linkage in braced position, means for rotating said actuator, and a bridge-shaped spring having two arms attached to a holding member and a cross member arranged to press downwardly upon the linkage in a direction to oppose collapse thereof, said cross member resting in a groove cut across the linkage.

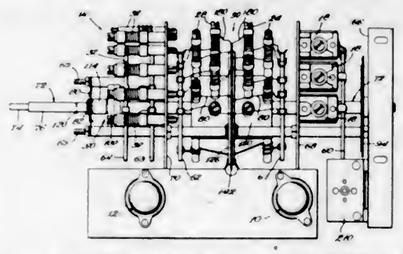
2,598,246
APPARATUS FOR PAINTING MOTORCAR BODIES
Alexander Proud Fowler, London, England, assignor to Carrier Engineering Company Limited, London, England, a British company
Application November 4, 1949, Serial No. 125,443
In Great Britain November 9, 1948
12 Claims. (Cl. 118—321)

1. Apparatus for treating a body having irregular non-symmetrical surfaces, comprising a movably supported device for projecting a treating liquid, a conveyor movable past said device and including a mount adapted to support the body substantially longitudinally of conveyor movement, said mount being rotatable about an axis that is substantially longitudinal of conveyor movement, means for rotating said mount as it is advanced by the conveyor to rotate the body as it is carried longitudinally past said device, and mechanism actuated in synchronism with the linear and axial speeds of the contact area of the



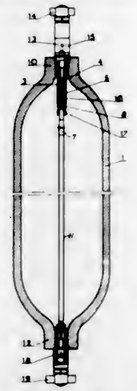
body, and means operated by said mechanism and operatively connected with said device for moving said device toward and from said conveyor to maintain substantially constant spacing between said device and the body surface and accommodate variations both longitudinally and circumferentially of the body.

2,598,247
TELEVISION TUNING APPARATUS WITH CHANNEL SELECTING SWITCH
Henry Neil Frihart, Brookfield, and Edwin B. Hassler, Chicago, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application October 9, 1948, Serial No. 53,704
20 Claims. (Cl. 250—40)



1. In a tuner for an electronic receiver of the type wherein a rotary switch mechanism and a supporting frame are positioned about a central shaft assembly and in which the switch mechanism includes fixed contacts and associated movable contacts actuated by the shaft assembly; a plurality of tuning inductors supported on said frame, means connecting said tuning inductors to certain of said fixed contacts, said movable contacts selectively connecting said inductors to tune said receiver to predetermined channels, a coupling capacitor comprising first and second plates, means securing said first plate to said frame and insulatedly securing said second plate to said first plate, means connecting certain of said inductors together in pairs and connecting the common connection of said pairs to said second plate, an adjustable capacitor cooperating with certain other of said inductors for fine tuning purposes, said adjustable capacitor including one of said movable switch contacts and a conducting plate and means for electrically connecting said conducting plate to said frame and for mechanically connecting said conducting plate to said shaft assembly for moving said conducting plate with respect to said one movable switch contact.

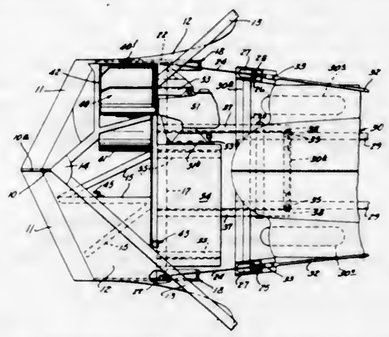
2,598,248
COMPRESSED GAS CONTAINER WITH REDUCING VALVE AND AUXILIARY OPENING MEANS THEREFOR
Emile Gagnan and Jacques Yves Cousteau, Paris, France; said Gagnan assignor to L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude, Paris, France
Application December 11, 1946, Serial No. 715,434
In France December 15, 1945
3 Claims. (Cl. 222—3)



1. A gas dispensing device comprising a pressure resisting gas cylinder provided with two opposite neck-like ends, a cock inserted into one of said ends and controlling the flow of the gas from the cylinder through said end, a valve placed inside the cylinder adjacent said cock and having an orifice through which the gas passes on its way from inside the cylinder to said cock, a movable element adapted to close said orifice on the side which tends to open by the pressure of the gas inside said cylinder, resilient means adapted to resist said opening with a predetermined force, a gas-tight closure for the other of said ends of the cylinder, a movable member passing through said closure and adapted to be operated from outside the cylinder, and a motion-transmitting device located inside the cylinder between said movable member and the movable element of the valve and adapted to act on said element in the opening direction of the same.

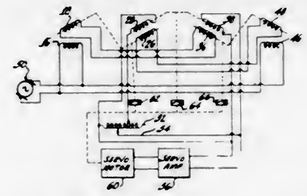
2,598,249
ROTARY SNOWPLOW
Mather Garland, Mound, Minn.
Application April 6, 1945, Serial No. 586,857
2 Claims. (Cl. 37—43)

1. In a rotary plow, a pair of rearwardly and outwardly flaring moldboards, a rotor casing mounted on and opening forwardly through one of said moldboards, a multi-blade rotor in said rotor casing on a substantially horizontal axis extending generally longitudinally of the plow, a motor having a power take-off shaft mounted back of the other of said moldboards and disposed transversely with respect to a longitudinal center line through the plow, a rotor shaft supported from said motor and having driving connections with the motor power take-off shaft, the structure between the points of driving connection between said motor power take-off shaft and said rotor shaft and between said rotor casing and rotor shaft being sufficiently resilient to permit of approximate radial movements between the rotor and casing under excessive load conditions, whereby the rotor blades may move away from the casing at the point of excessive



load to automatically provide additional clearance during such conditions.

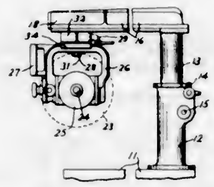
2,598,250
COMPUTING DEVICE
John B. Gehman, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1950, Serial No. 203,060
6 Claims. (Cl. 235—61)



1. A computer for generating a function of two adjacent triangles formed from one triangle with a line drawn from the vertex to the base of the one triangle comprising first, second, third and fourth angle resolvers each having a stator with a stator winding and a rotor with a rotor winding rotatable in a sine voltage inducing relationship with said stator winding, means coupling said first angle resolver rotor and said second angle resolver stator to be jointly movable, means coupling said fourth angle resolver rotor and said third angle resolver stator to be jointly movable, means coupling said second and third angle resolver rotors to be jointly movable, the counterclockwise angle between said first angle resolver rotor and stator being representative of one base angle in said one triangle, the clockwise angle between said fourth angle resolver rotor and stator being representative of the other base angle in said one triangle, the counterclockwise angle between said second angle resolver rotor and stator being representative of one of the adjacent angles and the clockwise angle between said third angle resolver rotor and stator being representative of the other adjacent angle, means connecting said first angle resolver rotor winding to said third angle resolver stator winding, means connecting said fourth angle resolver rotor winding with said second angle resolver stator winding, means connected to said second angle resolver rotor winding to multiply its output by the ratio of the two sides opposite the adjacent

angles in said adjacent triangles, means to combine said multiplying means output with the output from the rotor winding of said third angle resolver to provide a resultant error signal and means responsive to said error signal to move the one of said coupling means which determines the position of one of said angle resolver rotors with reference to its stator to provide an angle proportional to an angle in one of said adjacent triangles whose value is sought when the values of other angles in said adjacent triangle is provided.

2,598,251
TOOL SUPPORTING CARRIAGE
Edwin E. Gesner, New Haven, Conn.
Application October 31, 1946, Serial No. 706,856
17 Claims. (Cl. 308—6)



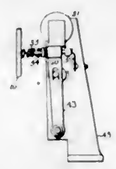
1. In a machine having a tool adapted to operate upon work supported upon a work support, a hollow stationary arm overhanging the work support, a tool supporting carriage movable lengthwise in the arm and having supporting rollers journaled at each side thereof and a roller journaled thereto intermediate the side rollers, a flat horizontal track at each side of said arm to support the side rollers, a track in said arm intermediate of and spaced upwardly from the side tracks to be engaged by said intermediate roller, and cooperating means between the intermediate roller and the intermediate track engaged thereby to guide the carriage along said arm.

2,598,252
BALANCE CONTROL FOR METAL DETECTION AND INSPECTION EQUIPMENT
Ben R. Gossick, Oak Ridge, Tenn., assignor to Radio Corporation of America, a corporation of Delaware
Application February 3, 1948, Serial No. 6,047
4 Claims. (Cl. 323—45)



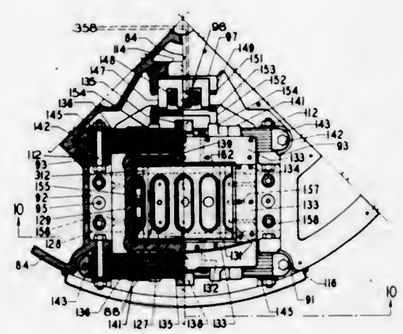
1. A device of the character described comprising a pair of spaced coils lying substantially in a plane and having parallel axes, a third coil in spaced relation and equally coupled to said pair of coils, means for energizing said pair of coils with high frequency alternating current, so that voltages of substantially equal amplitude and opposite phase are induced in said third coil; inherent dissymmetries in said coils causing an undesired residual voltage to be induced in said third coil; and two balancing devices located in the magnetic fields produced by said pair of coils and adjustable in position so as to affect primarily the field produced by one or the other of said pair of coils as desired.

2,598,253
TOOL DRIVING MEANS AND CONTROL THEREFOR
Otto W. Greenberg, Ocean City, N. J.
Application April 19, 1947, Serial No. 742,670
3 Claims. (Cl. 78—13.1)



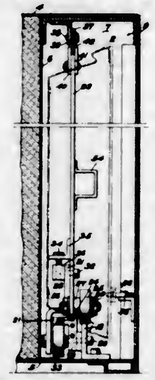
1. A device for indenting surfaces to various depths in accordance with electrical impulses comprising an indenting tool, an indenting tool mount, means for reciprocating said tool mount substantially perpendicular to a work surface with substantial uniform reciprocations, means mounting said indenting tool on said mount for free bodily movement with respect thereto, magnetic means for causing said indenting tool to move with said mount in accordance with the amount of current supplied to said magnetic means, and spring means secured to said tool and extending beyond the working end of said indenting tool to prevent work engagement of said tool when said magnetic means is inactive.

2,598,254
MACHINE FOR THE MANUFACTURE OF MOLDED BUILDING UNITS
Walter A. Grueneberg, Saginaw, Mich., assignor to Jackson & Church Company, Saginaw, Mich., a corporation of Michigan
Application August 2, 1946, Serial No. 688,118
8 Claims. (Cl. 18—41)



1. In a machine for the production of molded building units, a mold box, means to mount said mold box to said machine to permit vibration of said mold box chiefly in a horizontal plane independently of said machine and comprising a leaf spring having fixed portions thereof secured to said machine and having the individual leaves thereof disposed in vertical planes to thereby effect vibration of the free portions of said leaf spring chiefly in a horizontal plane, and means to secure said mold box to the free portions of said leaf spring.

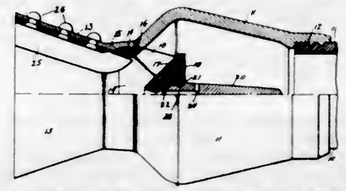
2,598,255
DISAPPEARING DOOR SAFE
Harvey L. Henkel, Hamilton, Ohio, assignor to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of Florida
Application June 11, 1948, Serial No. 32,492
2 Claims. (Cl. 109—70)



1. A safe of the disappearing door type having an insulated forwardly opening cabinet, a forwardly opening compartment adjacent one side of said cabinet, horizontally and fore and aft extending track means mounted in said compartment and comprising an angle member having one side thereof extending vertically upwards, a second angle member fixed to said first-mentioned angle member and having one side extending laterally therefrom, said last-mentioned side having parallel upwardly and downwardly facing horizontal surfaces, said upper surface having a longitudinal groove therein, mullion means mounted for movement longitudinally fore and aft on said track, said mullion means having a substantial dimension in the direction of movement thereof and an extremity lying in said groove, a supporting roller means carried by the mullion means at least adjacent the forward vertical edge thereof and engaging the upwardly facing edge of said first-mentioned angle member, retaining roller means carried by said mullion means adjacent the rearward vertical edge thereof at a maximum spacing from said supporting roller so as to enhance the stability of said mullion means, said retaining roller means engaging said downwardly facing surface of said second-mentioned angle member, a door hinged to the forward vertical edge of said mullion means to close the cabinet in the forward position of said mullion means and to be received in said compartment in the rearward position thereof, a lateral extension on said door closing the forward opening of said compartment when said door closes said cabinet, and a right angular edge flange in said lateral extension of the door engaging said mullion means in open position of the door to limit the opening thereof and align it parallel with the path of movement of said mullion means.

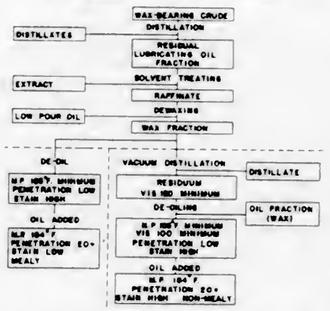
2,598,256
RECOILLESS GUN
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application April 21, 1945, Serial No. 589,500
2 Claims. (Cl. 89—1.7)

1. In a recoilless gun having a casing provided with a pressure developing chamber and a coaxial exhaust passage leading therefrom to the rear exterior thereof, a spider-like member removably fixed within said chamber, said member having a hub portion coaxial with said chamber and a plurality of integral vanes angularly disposed relative to the axis of and extending from said hub portion toward the walls of said chamber whereby to deflect and give a circular motion



to gases exhausted axially through said exhaust passage said hub portion having a central internally threaded bore extending therethrough, a centrally recessed replaceable trap plate removably mounted on the front surface of said portion, and an elongated externally threaded replaceable trap pin threadedly secured in said bore in alignment with the bore of said gun.

2,598,257
WAX PRODUCT AND PROCESS FOR PREPARING THE SAME
Joseph Bennett Hill, Wynnewood, Pa., and Seymour W. Ferris, Mount Holly, N. J., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application May 29, 1948, Serial No. 30,104
4 Claims. (Cl. 196—149)

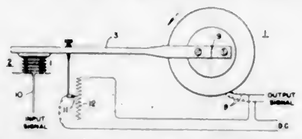


3. A novel wax product suited to the lamination of paper products required to withstand high temperatures, having a melting point of about 190° F., an A. S. T. M. penetration of about 20 and not increasing the translucency to visible light of non-coated sulfite paper when compressed in contact therewith, said paper being characterized in that oil theron will materially increase its translucency to visible light, and said contact being maintained for 24 hours in an air bath at 120° F.

2,598,258
ENERGY TRANSLATING DEVICE
Howard T. Hoffman, Elmhurst, Ill., assignor to Bailey Meter Company, a corporation of Delaware
Application October 8, 1949, Serial No. 120,311
15 Claims. (Cl. 323—64)

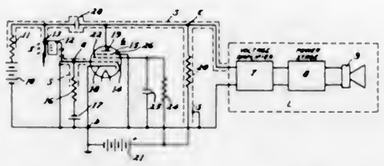
1. A device for translating a first form of energy to a second form of energy comprising

in combination, first means establishing a first torque with the first form of energy as the translated input to the device, a balance member upon which the first torque is imposed, balance means for establishing a second torque upon said



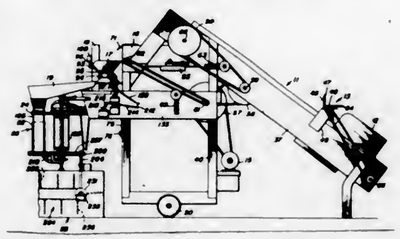
balance member in opposition to the first torque for balancing the device, and means positioned by the balance member to regulate the value of the second form of energy acting upon the balance means and establish the second form of energy as the translating output of the device.

2,598,259
SIGNAL AMPLIFYING SYSTEM
Ephraim W. Hogue, Rochester, N. Y.
Application September 4, 1948, Serial No. 47,810
5 Claims. (Cl. 179—171)



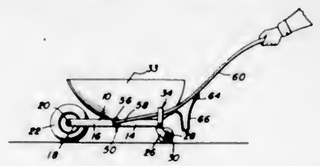
1. In a system of the class described, a signal source, a three-terminal amplifier including an input terminal at signal potential different from ground, an output terminal at a signal potential different from ground, and a common grounded terminal, one pole of said source being connected to said input terminal and the other pole thereof being connected to said output terminal to effect series negative feedback with respect to the source, and grounded electrostatic shielding effectively interposed between all parts of the conductive path between the input terminal and one source terminal, and the conductive path between the output terminal and the other source terminal.

2,598,260
WEIGHING AND SACKING MACHINE
Ovid T. Horn, Alamosa, Colo.
Application December 26, 1947, Serial No. 793,801
15 Claims. (Cl. 249—18)



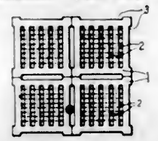
1. In a weighing and sacking machine for filling goods in predetermined quantities into sacks, in combination, a continuously driven feeding conveyor, continuously supplied with goods to be delivered to the sacks and producing a continuous flow of goods, a channel with a closable delivery opening, arranged near the delivery end of the feeding conveyors, said channel being provided with a substantially horizontal continuously moving conveyor, receiving the goods continuously discharged from the feeding conveyor flow controlling and interrupting shutters temporarily shutting said opening, a weighing apparatus provided with a receptacle placed adjacent to said shutter controlled opening, means for operating said shutters controlled by said weighing apparatus, a chute for delivering the weighed quantities of goods to the sacks, means for delivering the weighed goods from the weighing receptacle into the chute, a sack conveying means for bringing empty sacks into position relatively to the chute and for removing the sacks when filled, a filled sack delivery conveyor for collecting and delivering the sacks removed from the filling position, a continuously operative driving means, motion transmission means temporarily coupled with the continuous driving means for intermittently driving the operating means of the flow interrupting gates, further motion transmitting means and coupling means for temporarily coupling the said motion transmitting means with the continuous driving means, said coupling means being controlled by the operating means for the flow interrupting gates, the above motion transmitting means driving the sack conveying means and the sack delivery conveyor.

2,598,261
WHEELBARROW WITH SHIFTABLE LOAD SUPPORTING HANDLES
Eduard Hrabal, Washington, D. C., assignor of thirty-five per cent to Rafael Domingues, Washington, D. C.
Application April 14, 1948, Serial No. 20,957
1 Claim. (Cl. 280—55)



A wheelbarrow comprising a frame, a wheel supporting the forward end of the frame, an auxiliary wheel carried by the frame behind the first-mentioned wheel for supporting the rear end of the frame, a receptacle mounted on the frame, a handle on each side of the frame, a universal coupling at one end of each handle, each coupling connecting its respective handle to said frame intermediate the ends thereof, a leg carried by each handle intermediate its ends, a standard on each side of said frame adjacent the rear end thereof, and a stop on the upper and lower portions on each standard vertically spaced from each other for engaging an intermediate portion of each associated handle whereby to hold said handle in vertically adjusted position with respect to said frame and selectively supporting the rear end of the wheelbarrow on the auxiliary wheel or on the legs, each said handle being movable outwardly and upwardly about said universal coupling whereby to disengage each stop on the lower portion of the adjacent standard.

2,598,262
CONSTRUCTION OF AIR AND GAS HEATER
Josef Janson, Grunstadt/Pfalz, Germany, assignor to Pfälzische Chamotte- und Tonwerke (Schiffer und Kircher) A. G., Eisenberg/Pfalz, Germany
Application March 29, 1951, Serial No. 218,108
In Germany May 3, 1950
1 Claim. (Cl. 263—51)



An air and gas heater for a melting furnace and the like constructed from bricks of constant quadratic cross section, having rectangular passages extending through them and recessed free spaces in their side faces, the width of the passages in the bricks decreasing progressively from the upper to the lower part of the heater, the total cross sections of the passages and the brick mass respectively remaining approximately constant, the bricks in the upper part of the heater being arranged so that the passages therein form continuous uninterrupted ducts, and the bricks in the lower part of the heater being arranged so that the passages in each layer of bricks are disposed at right angles to the passages in the bricks in adjacent layers.

2,598,263
ESTERIFIED 4-VINYLCYCLOHEXENE
Herbert L. Johnson, Media, Pa., and Frances J. Bondhus, Oskaloosa, Iowa, assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application October 6, 1947, Serial No. 778,270
3 Claims. (Cl. 260—476)

1. The ester of 4-vinylcyclohexene wherein the ester radical is selected from the group consisting of the acetate, propionate, butyrate, valerate, the alpha-halo and alpha-hydroxy substituted derivatives thereof, benzoate and toluate radicals, and wherein said ester radical is attached to the 4-vinylcyclohexene molecule in the 1-position of the 4-vinylcyclohexene.

3. Process for the preparation of a mono-ester of 4-vinylcyclohexene wherein the ester radical is attached to the 1-position of the cyclohexene ring which comprises reacting 4-vinylcyclohexene with an acid selected from the group consisting of acetic, propionic, butyric, and valeric acids, the alpha-halo and alpha-hydroxy substituted derivatives thereof, benzoic acid and toluic acid, in the presence of an acid type catalyst, said reaction being carried out at a temperature within the range of from 75° C. to 130° C., and separating from the reaction mixture said mono-ester of 4-vinylcyclohexene wherein the ester radical is attached to the 1-position of the cyclohexene ring.

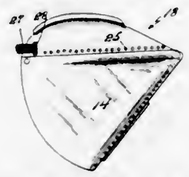
2,598,264
METHOD OF APPLYING A DISCONTINUOUS COATING TO FABRIC
Albert S. Jones, Webster, and Gerald B. Stackpole, Oxford, Mass., assignors, by mesne assignments, to Joseph Bancroft & Sons Company, Rockford, Wilmington, Del., a corporation of Delaware
Application March 19, 1949, Serial No. 82,366
1 Claim. (Cl. 117—38)

A process for imparting a durable mechanical finish effect to a woven textile fabric which includes the steps of preparing a printing-paste consisting essentially of water, a water-soluble thermosetting textile resin in the water-soluble state, and a printing paste thickener in quantities to impart the viscosity hereafter specified; entraining the printing paste on a printing roll the pattern areas of which are traversed by a multiplicity of shallow grooves, the number of said grooves per inch in at least one direction being greater than the number of threads per inch in the fabric in the corresponding direction, said grooves further being not more than 0.004''



in depth nor more than 0.0133'' in width; removing substantially all of the printing paste from the external surface of the roll, and applying to one surface only of the fabric the discrete residua of printing paste contained in the grooves; and thereafter drying the fabric and calendering it with the application of sufficient heat to set the resin; the viscosity of the printing paste and the dimensions of the grooves being so proportioned that the residua will remain in the grooves until transferred to the fabric and will not thereafter strike around the sides of the threads and into the pore spaces of the fabric.

2,598,265
GOGGLE
Arthur Kenyon Jones, Rumford, R. I.
Application November 18, 1950, Serial No. 196,397
2 Claims. (Cl. 2—14)

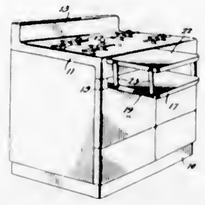


1. A goggle comprising a lens section having a flat front surface with a recess at the middle of its lower edge to receive the nose and with rearwardly curved wings at either side of its flat front, said front and wings being a single piece of transparent material, and a visor section extending from the upper edge of the lens section rearwardly along and in contact with the upper edges of the wings at an acute angle to the lens section with its rear edge arched to receive the forehead of the user, said visor section having a rearward extension sufficient to position the flat portion of the lens section at an angle to a perpendicular to the line of vision, said visor section being opaque to shield against the transmission of light, one of said sections being provided with a molded lip to extend over the other section and detachable fastening means securing the lip and other section together.

2,598,266
RANGE AND RANGE TOP EXTENSION
George W. Kamin, Lombard, and Lawrence E. Wolske, Chicago, Ill., assignors to Cribben and Sexton Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1950, Serial No. 152,921
4 Claims. (Cl. 126—334)

1. In a range top structure equipped with a range top having burners thereon and providing a

compartment below said burners, a shelf slidably mounted in said compartment, a table top on said shelf, and link means connecting said shelf and table top for supporting said table top in elevated



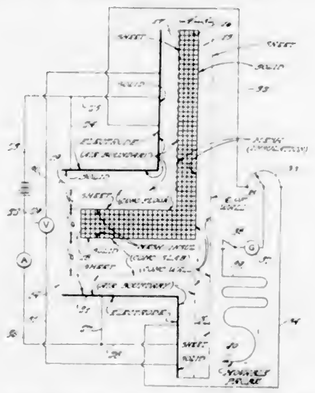
position when said shelf and table top are moved outwardly from said compartment whereby the top surface of said table top is substantially flush with the top surface of said range top.

2,598,267

MEANS FOR PREDETERMINING TEMPERATURE CONDITIONS WITHIN WALL STRUCTURES

Carl F. Kayan, New York, N. Y.

Application November 29, 1945, Serial No. 631,672
2 Claims. (Cl. 235—61)



2. A scale model in simulation of a wall cross-section for use in pre-determining by electrical analogy thermal conditions which will exist within the wall under predetermined temperature conditions adjacent the wall surfaces, comprising a single metallic paper sheet of conductive material having an unmodified area whose width corresponds to the thickness of one wall material, a perforated area whose width corresponds to the thickness of a second wall material of lower thermal conductivity, and a third area whose width is so chosen in relation to its known electrical resistance characteristics, to correspond proportionally in its electrical resistance to the resistance to heat transfer at the surface of the wall.

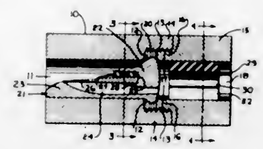
2,598,268

DUCK CALLER

George L. Kendrick, Shreveport, La.

Application December 30, 1947, Serial No. 794,707
5 Claims. (Cl. 46—180)

1. A duck caller comprising a barrel section having a bore extending longitudinally therethrough, said bore having an inlet end and an outlet end and abruptly increasing in diameter to form a shoulder and a bore extension of increased diameter at the outlet end, a base member having an end of greater diameter than the bore and smaller diameter than the bore extension, said base member positioned within the bore with said end against the shoulder, a wind tunnel extending longitudinally through said base member, a reed supported in the base member extending along one side of the wind tunnel,



said bore extension being interiorly threaded, a plug having an exteriorly threaded extension thereon engaging the threads of said bore section and pressing the end of the base member against the shoulder to hold it firmly in position, a bore extending through the plug, and a tone modifier longitudinally adjustable in the bore in the plug partially blocking said bore for control of the tone of the caller.

2,598,269

RECOVERY OF STEROLS

Hans George Kirschenbauer, Allendale, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application May 27, 1949, Serial No. 95,875
7 Claims. (Cl. 260—397.2)

1. A process of recovering sterols from fatty materials containing the same comprising treating said fatty material with water at a temperature between about 365° F. and 600° F., and at a pressure within the range of about 150 to 1600 lbs. per square inch to hydrolyze said fatty material and produce a fatty acid stock containing said sterols and an aqueous glycerine phase, separating said fatty acid fraction, vaporizing the major portion of the fatty acids present therein and recovering a gummy still bottoms residue comprising saponifiable matter and concentrated sterols, heating said still bottoms and maintaining the same in a molten fluid condition, adding alkaline saponifying agent thereto and saponifying said still bottoms in the molten phase at said elevated temperature to convert said saponifiable material to soaps and liberate additional free sterols, the resulting saponified still bottoms residue being maintained at a temperature above its melting point to maintain a molten fluidized mass, vaporizing said sterols therefrom in the presence of an inert gas at a temperature at least about 225° C. and below the temperature at which substantial polymerization and decomposition occurs and recovering said sterols.

2,598,270

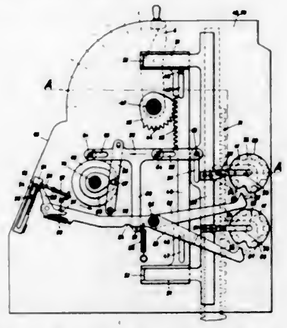
INDICATING DEVICE ON CASH REGISTERS

Albert Klaar, Bielefeld, Germany, assignor to Anker-Werke, A. G., Bielefeld, Germany, a corporation of Germany

Application August 18, 1949, Serial No. 111,059
6 Claims. (Cl. 235—23)

6. In combination, a cash register or the like machine having a housing, clerk-identifying

selector means, a plurality of totalizers in said housing selectively operable under control by said selector means to accumulate the sales amounts of the respective clerks, indicating devices disposed in said housing and having graph-type indicating means operatively connected with said



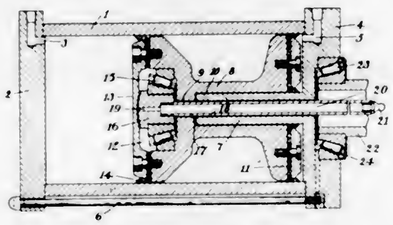
respective totalizers for comparative indication of said amounts, said indicating means having respective individually and progressively displaceable members juxtaposed to one another and visible from the outside of said housing over their respective entire paths of progressive displacement.

2,598,271

SERVOMOTOR WITH LUBRICATED ROTATABLE PISTON ROD

Francis E. Klosterman, Louisville, Ky.

Application January 8, 1947, Serial No. 720,707
9 Claims. (Cl. 121—1)



1. A servo-motor of the class described comprising: a stationary cylinder having front and rear end walls closing opposite ends of the cylinder; a tubular bearing centrally located on and rigidly secured to the rear end wall to project inwardly into the cylinder, said bearing providing an outer elongate periphery and an inner elongate bore extending through the bearing member and the rear end wall; a piston providing a relatively enclosed recess in the front end thereof and slidably mounted in the cylinder for movement longitudinally along the outer periphery of the bearing member, said piston being provided with an inner elongate bore to accommodate the tubular bearing; a hollow piston rod rotatably connected by a bearing assembly in said recess to the piston for rotational movement relatively thereto and for longitudinal movement therewith, said rod extending from said connection through the bore of the tubular member and projecting outwardly from the rear end wall, the connected end of the piston rod being in open communication with said recess, and arranged with the projecting end thereof to receive lubricant for said bearing assembly.

2,598,272

LENS OR GLARE SHIELD ATTACHMENT FOR SPECTACLES

Emanuel Krimsky, Brooklyn, N. Y.

Application January 4, 1949, Serial No. 69,123
4 Claims. (Cl. 88—41)

1. In a spectacle, in combination, a spectacle frame provided with a pair of main lenses and temple bars, each bar being pivotally secured at its forward end to said frame, a light transmitting element operatively associated with each temple bar, each element being pivotally mounted directly on its respective bar by a double leaf hinge, said hinge having two opposed leaves and a pivot connecting said leaves, one leaf thereof being secured directly at its free end to the outer face of the temple bar closely adjacent to the forward pivoted end thereof and being extended forwardly to position the pivot end thereof in advance of the pivotal point of the temple bar and the transverse plane of the main lenses when



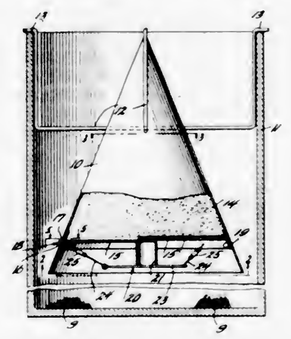
the temple bar is in its operative position, said light transmitting element being secured at one end thereof to the other and outermost leaf of said hinge with said element in alignment with the outermost leaf, to permit said element to fold closely adjacent to its respective bar with the bar either in folded position adjacent said frame or with the bar positioned at a right angle to said frame and whereby, with the bar in operative position said element may be moved through an arc of substantially 270 degrees to a position in front of and parallel to the transverse plane of the main lenses.

2,598,273

AUTOMATIC FIRE EXTINGUISHER

Arthur P. Kromer, Greensboro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

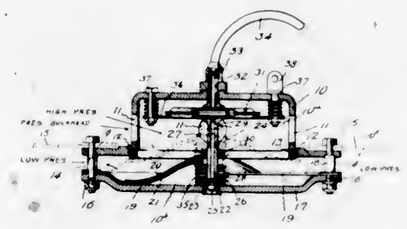
Application January 17, 1951, Serial No. 206,401
9 Claims. (Cl. 169—2)



1. In a fire extinguisher, a receptacle for a fire extinguishing substance, means for supporting the receptacle over inflammable material, a plural part collapsible closure at an end of the re-

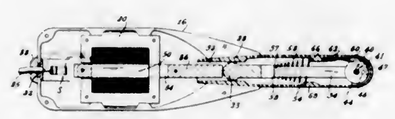
ceptacle for supporting the fire extinguishing substance, and fusible means secured to the receptacle and the closure for retaining the closure in closed position and for collapsing it into a plurality of parts when the inflammable material ignites.

2,598,274
FLOW REGULATOR, PRESSURE RELIEF VALVE AND THE LIKE
Rudolph E. Krueger, III, Downey, Calif.
Application January 19, 1945, Serial No. 573,604
11 Claims. (Cl. 98—1.5)



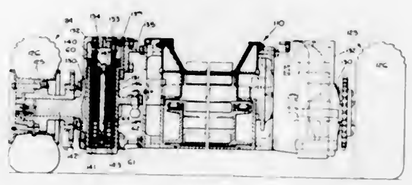
1. A device of the class described comprising a casing, said casing having two pressure compartments, the pressure in one of the compartments being controlled and communicating with a normally high pressure region, the other compartment connecting with a relatively low pressure region, a valve seat located at the junction of the compartments a diaphragm valve carried within the casing and adapted to seat upon said valve seat to establish and interrupt communication between the normally low and high pressure regions, a control chamber formed by the diaphragm valve and a wall of the casing, a pilot valve independent of said diaphragm valve for controlling the pressure in said controlled pressure compartment with respect to a region of lower pressure and normally sealing the control chamber, a stem for said pilot valve, said stem having a passage providing communication between the high pressure region and the control chamber independently of the pilot valve, and means for automatically opening and closing the pilot valve independently of the diaphragm valve under predetermined pressure conditions.

2,598,275
MECHANICAL MOVEMENT
Harold Lakin, Bronx, N. Y.
Application May 26, 1950, Serial No. 164,349
3 Claims. (Cl. 74—36)



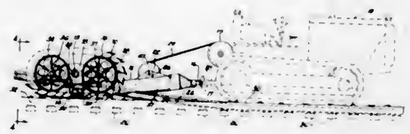
1. In a mechanically operated rotating brush an oscillatory motor, a reciprocable shaft, said shaft being operatively associated with said motor, a rotor, a pin affixed to said rotor, the said pin being operatively connected to the aforesaid shaft, a spring element bearing against said pin thereby to prevent the shaft from dead centering, and the said rotor being adapted axially to engage the shaft of a brush.

2,598,276
WHEEL SUSPENSION FOR COAL LOADERS
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 3, 1947, Serial No. 789,382
In Canada March 17, 1945
1 Claim. (Cl. 280—96.2)



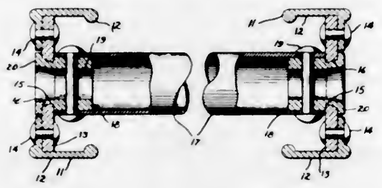
A loader including a main frame, wheel assembly means for supporting said frame, said wheel assembly means including a wheel receiving axle, a cylinder attached to said axle having a head and an upright axis, bracket means pivotally connecting said cylinder and main frame and providing for rectilinear and swinging movements of said cylinder, and an expansible hydraulic jack for adjusting said cylinder along its axis relative to said bracket means which includes a piston operable in response to pressure being applied thereto to adjust said cylinder rectilinearly relative to said bracket means to provide for holding the wheel in an adjusted position relative to the frame, said hydraulic jack also including a floating compression rod interposed between said piston and said cylinder head for transferring the holding force of the piston of said hydraulic jack to said cylinder.

2,598,277
RAIL LIFTER
Raymore D. MacDonald, La Grange, Ill., assignor to Athey Products Corporation, Chicago, Ill., a corporation of Illinois
Application May 7, 1949, Serial No. 92,039
6 Claims. (Cl. 254—104)



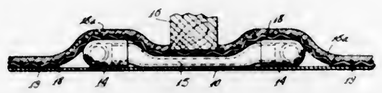
2. A rail lifter for removing track rails from ties or the like and comprising, in combination a movable supporting structure, a yoke suspended from the movable supporting structure for swinging movement relative thereto in a plane substantially parallel to the normal direction of movement of the supporting structure, said yoke including a cross member below the axis of swinging movement for passage beneath the rail during movement of the supporting structure.

2,598,278
LADDER STRUCTURE
William T. Mason, Louisville, Ky., assignor, by mesne assignments, to Louisville Metal Products Company, Louisville, Ky., a corporation of Kentucky
Application March 7, 1946, Serial No. 652,651
7 Claims. (Cl. 228—56)



1. In a ladder structure of the class described, a tubular rung open at the ends thereof, a tubular plug in each end of said rung, a rivet extending transversely through said rung and through said plug, a portion of said plug protruding from the end of said rung, and a gusset plate formed with a countersunk aperture adapted to receive the protruding end of said plug, said protruding end being flared into the countersink of said aperture and peened over against the surface of said plate, said plate being associated with the side rail of the ladder.

2,598,279
PANEL-TYPE HEATER
George N. McKibbin, Baton Rouge, La.
Application August 24, 1949, Serial No. 112,103
4 Claims. (Cl. 257—124)



1. A unitary building panel heating unit comprising a sheet-metal wall or ceiling plate having front and rear sides; a tubular metal heating coil arranged in a flat formation commensurate with the size of the plate, said coil having adjacent portions disposed flatwise in heat transferring engagement with the rear surface of the plate; a metal lath section contacting and secured to the rear side of the plate at a plurality of points and having portions of relatively large area in substantial engagement with the plate, said lath also having formed channel-shaped portions overlying said heating coil portions and maintaining the same in place against the plate; and heat-insulating plaster permeating and closely conforming to the rear surface of said lath and covering the said heating coil, said plaster having large areas of intimate contact with said plate between the said adjacent portions of the coil.

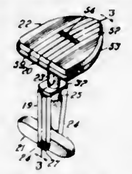
3. The invention as defined in claim 1, in which the heating coil has relatively short transverse connector portions at locations corresponding to the spacing of building studs, said connector portions joining together relatively long main portions of the coil and being flattened to reduce the front-to-back thickness of the unit, and in which the lath where it overlies the connector portions of the coil is left exposed and free of plaster at the rear of the unit to provide maximum clearance for said studs.

2,598,280
PARAFFIN REMOVING AND PREVENTING APPARATUS
Paul L. McLean, Levelland, Tex., assignor of twenty-five per cent to Melvin L. Morgan, Levelland, Tex.
Application July 10,1950, Serial No. 172,968
5 Claims. (Cl. 166—17)



1. For use with an oil well tubing, a sucker rod having a hollow spiral blade thereon, and a heating unit within said blade.

2,598,281
REVERSIBLE FRONT CUFF LINK
William H. Meeker, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application August 29, 1949, Serial No. 112,979
11 Claims. (Cl. 24—102)



7. A reversible cuff link including a shank, a head secured to one end of the shank, a normally inactive rotatable pin carried by the head and a spring carried by the head to hold said pin normally against rotation, and a reversible front member having interlocking connection with said pin whereby to rotate said pin against the resisting action of said spring and reverse the positions of said front member.

2,598,282
FOOD COMPOSITIONS AND METHODS OF PRODUCING SAME
Daniel Melnick, Teaneck, N. J., assignor to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application January 28, 1950, Serial No. 141,151
17 Claims. (Cl. 99—139)

1. A dry frosting mix comprising at least 70% powdered sugar, ¼ to 1½% of sodium bicarbonate, ¼ to ¾% of an edible, solid aliphatic polycarboxylic acid having a dissociation constant for the first hydrogen of at least 1×10^{-5}

and at least 5% of an edible fat having incorporated therein at least 0.2% of a water dispersible emulsifying agent selected from the class consisting of partial fatty acid esters of polyhydric alcohols containing at least one polyoxyethylene chain, complete fatty acid esters of the condensation products of polyhydric alcohols and ethylene oxide in which all of the hydroxyl groups of the alcohols contain polyoxyethylene chains, partial fatty acid esters of polyoxyethylene glycol and complete fatty acid esters of polyoxyethylene glycol, the oxyethylene units per mol of each of said members being at least five and each fatty acid group in said members containing at least twelve carbon atoms.

2,598,283

COPOLYMERS OF PERFLUOROPROPENE AND TETRAFLUOROETHYLENE AND METHOD OF MAKING SAME

William T. Miller, Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application October 23, 1947, Serial No. 781,768

5 Claims. (Cl. 18—55)

5. The method of preparing transparent sheets of a solid plastic copolymer of tetrafluoroethylene and perfluoropropene which comprises pressing such a solid copolymer into sheets at a temperature between about 300 and about 350° C. and then rapidly cooling said sheets.

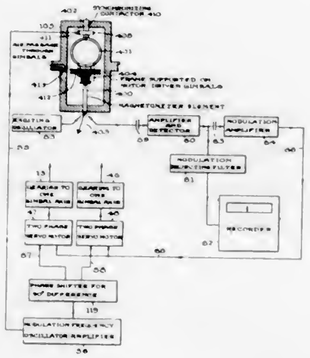
2,598,284

APPARATUS FOR MEASURING INTENSITY OF MAGNETIC FIELDS

Gary Muffly, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Original application June 23, 1947, Serial No. 756,426. Divided and this application May 3, 1951, Serial No. 224,303

3 Claims. (Cl. 177—380)



1. A self-orienting magnetometer comprising a magnetic field responsive element producing an electrical signal in proportion to the intensity of the magnetic field along its principal axis of sensitivity, support means on which said element is rigidly mounted, an inductor coil rotatably mounted on said support on an axis which is parallel with the principal axis of said element, a second coil electrically connected to said inductor coil and electromagnetically coupled to said element, means for continuously rotating said inductor coil, a universal mounting for said support means, orienting servo means mechanically connected respectively to the axes of said universal mounting, and means electrically connected to said element responsive to quadrature components of modulation in the output of said element controlling respectively said servo means in a manner to restore the principal axis of said element to coincidence with the direction of the ambient magnetic field.

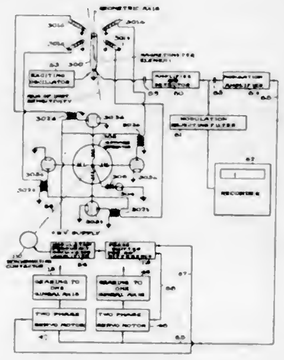
2,598,285

METHOD AND APPARATUS FOR MEASURING INTENSITY OF MAGNETIC FIELDS

Gary Muffly, Penn Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Original application June 23, 1947, Serial No. 756,426. Divided and this application May 3, 1951, Serial No. 224,304

6 Claims. (Cl. 177—380)



1. A self-orienting magnetometer comprising a magnetic field responsive element producing an electrical signal in proportion to the intensity of magnetic field along its principal axis of sensitivity, support means on which said element is rigidly mounted, a configuration of ferromagnetic material symmetrically placed around the axis of said element and rigidly mounted on said support, means for saturating respective parts of said material in progressive sequence around the axis of said element whereby the field affecting said element and the output of said element is modulated in synchronism with said progression when the principal axis of sensitivity of said element is not coincident with the direction of the ambient-magnetic field, a universal mounting for said support, orienting servo means mechanically connected respectively to the axes of said universal mounting, and means electrically connected to said element responsive to quadrature components of modulation in the output of said element controlling respectively said servo means in a manner to restore the principal axis of sensitivity of said element to coincidence with the direction of the ambient-magnetic field.

2,598,286

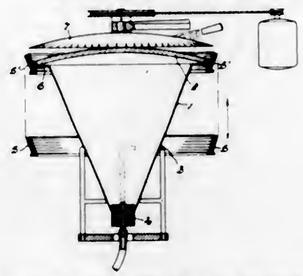
METHOD OF SEALING GLASS WINDOWS TO METALLIC CONES FOR CATHODE-RAY TUBES

Johannes Gijsbertus Wilhelm Mulder and Theodorus Hagenberg, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application August 14, 1950, Serial No. 179,318

In the Netherlands September 10, 1949

3 Claims. (Cl. 49—81)



1. A method of sealing a glass window to the open end of a metallic cone for a cathode-ray tube comprising the steps of surrounding the window with a heat radiating screen, surrounding a portion of the metallic cone remote from the window with a coil excited by a high-frequency electric current to induce a localized zone of heat in said metallic cone, and moving the coil longitudinally relative to the cone in the direction of the window thereby displacing the heating zone towards the window so that the window is heated by radiation from the cone to an extent at which the edge of the window is sealed to the cone when the heating zone has reached the sealing edge of the cone.

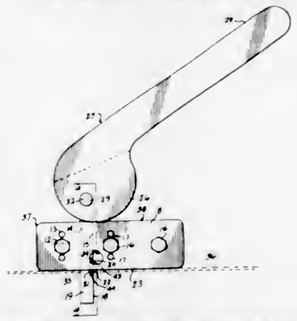
2,598,287

SHEET METAL CUTTER

George B. Murphy, New York, N. Y.

Application April 5, 1949, Serial No. 85,608

2 Claims. (Cl. 30—229)



1. A sheet metal cutter comprising a pair of upstanding supporting plates arranged in spaced relation, an upstanding guide plate positioned between said supporting plates and fixedly secured to said supporting plates, an upstanding die plate positioned between said supporting plates in tandem spaced relation with respect to said guide plate and fixedly secured to said supporting plates, the spacing between said guide and die plates forming an opening extending from the top to the bottom of said supporting plates, a pair of cams arranged in parallel spaced relation positioned longitudinally of said supporting plates adjacent the top of the latter and each resting upon the top of the supporting plate adjacent thereto, an eccentrically disposed pin extending transversely through and supported in said cams, a cutting tool positioned between said cams and extending through said opening and having one end pivotally supported on said pin and having the other end projecting from the bottom of said supporting plates, and a handle connecting said cams together, said cutting tool being provided with a notch extending inwardly from one side thereof adjacent to and spaced from the projecting end thereof to form a cutting edge.

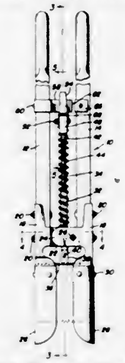
2,598,288

POSTHOLE DIGGER

Louis L. Navarre, Shreveport, La.

Application October 31, 1949, Serial No. 124,544

3 Claims. (Cl. 294—50.8)



1. In a post hole digger, the combination of a pair of spaced juxtaposed and substantially upright handles, pivotally connected members provided at the lower ends of said handles whereby the latter are movable toward and away from each other, coacting ground engaging tools mounted on and depending from said handles, a stationary guide secured to one of said members, a plunger slidable vertically in said guide, an earth scraping plate mounted on the lower end of said plunger and reciprocable in the space between said tools, a foot pedal provided at the upper end of the plunger for pressing the latter downwardly, resilient means for sliding the plunger upwardly, and means for locking said plunger in its upwardly slid position, wherein said last mentioned means include a laterally projecting element provided on one of said handles, and a spring pressed latch pivotally mounted at the upper end of said plunger, said latch being engageable with said element when the plunger is slid upwardly by said resilient means.

2,598,289

COMPOSITION OF MATTER COMPRISING A THERMOSETTING CASHEW NUT SHELL OIL MODIFIED PHENOL-FORMALDEHYDE RESIN, A RUBBERY COPOLYMER OF BUTADIENE AND ACRYLONITRILE, AND DIATOMACEOUS EARTH

Ferris E. Newman, New Haven, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

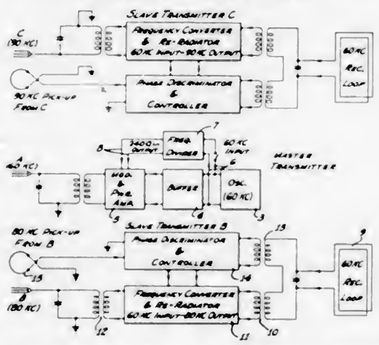
No Drawing. Application June 9, 1949, Serial No. 98,153

5 Claims. (Cl. 260—38)

1. A composition of matter comprising an uncured homogeneous mixture consisting essen-

tially of a binder consisting of a cashew nut shell oil-modified lower molecular weight phenol-formaldehyde resin capable of being converted to the insoluble, infusible form by the action of a methylene-yielding hardening agent and heat, a methylene-yielding hardening agent for said resin, and a rubbery copolymer of butadiene and acrylonitrile containing at least 15% of combined acrylonitrile, and a filler consisting of diatomaceous earth, said resin and said copolymer being present in proportions of from 45 to 70% by weight of said resin and correspondingly from 55 to 30% by weight of said copolymer, said last two percentages being based on the sum of said resin and said copolymer, the proportion of said hardening agent being from 5 to 10% by weight based on said resin, said diatomaceous earth being present in a proportion of from 30 to 55% by weight based on the sum of said resin and said copolymer.

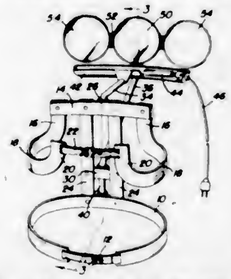
2,598,290
AREA IDENTIFICATION SYSTEM
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application August 27, 1945, Serial No. 612,986
20 Claims. (Cl. 343—105)



8. In a radio frequency navigation system, the combination of: transmitting means for establishing intersecting radio frequency equi-phase field patterns to define a precise geographical co-ordinate system; control means operable from time to time to alter the mode of operation of said transmitting means to thereby establish alternative intersecting radio frequency equi-phase field patterns defining a rough geographical co-ordinate system; and mobile receiving means including means for measuring the phase relation within said field patterns to thereby determine the location of said mobile receiving means in terms of both of said co-ordinate systems.

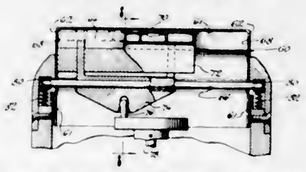
2,598,291
BODY ATTACHED REARVIEW MIRROR SUPPORT WITH LIGHT
Edward J. O'Brien, San Francisco, Calif.
Application September 9, 1949, Serial No. 114,888
3 Claims. (Cl. 240—59)

1. A rear view mirror comprising a support, a plurality of mirrors adjustably carried by said support, means on said support for illuminating said mirrors, and means for mounting said support upon the torso of the user to position the mirrors at the rear of the user, said support having a portion extending transversely thereof and having a channel open at its upper surface, said illuminating means being housed in said channel, said mirrors being mounted rearwardly and above said channel, said support including a triangular frame having a horizontal arm upon



which said channel and central mirror are mounted and having a downwardly inclined leg, said horizontal arm and leg having downwardly directed extremities detachably seated in sockets in said mounting means.

2,598,292
DRY SHAVING APPARATUS
Lorence O'Russa, Princeville, Ill.
Application February 15, 1946, Serial No. 647,972
15 Claims. (Cl. 30—43)

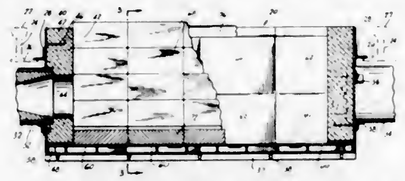


13. In a shaving implement, a guard member having a thin generally cylindrical portion perforated to act as a cutting element, a movable cutter means including an outer generally cylindrical peripheral portion for engaging the guard, the cylindrical portion of the cutter means being provided with a plurality of spaced generally circumferential grooves and intermediate arcuate guard-engaging ridges and with a generally longitudinal groove transversely intersecting the circumferential grooves, a blade carried by the cylindrical portion of the cutter means positioned in the longitudinal groove providing generally longitudinal cutting edges substantially flush with the ridges, means to move the cutter means with respect to the guard for producing oscillations of the cutter means about its cylindrical axis, said guard being perforated with a plurality of apertures individually having generally circumferential and generally longitudinal cutting edges, the arcuate ridges having sharp cutting edges, and the means to move the cutter means reciprocating the cutter means along its axis simultaneously with the oscillations thereof.

2,598,293
THAWING PIT FOR RAILWAY CARS
Melvin J. Parker, New York, and Alexander J. Turpin, Stewart Manor, N. Y., assignors to Hauck Manufacturing Co., Brooklyn, N. Y., a corporation of New York
Application June 6, 1951, Serial No. 230,235
18 Claims. (Cl. 104—1)

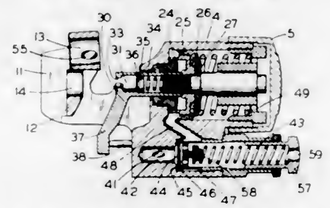
1. A thawing pit for railway cars, said pit comprising an open topped outer shell dimensioned

to be received between the base flanges of the rails of the railway, means on said pit dimen-



sioned to support the pit on the rails, and a fuel burner mounted outside the pit to project its flame into the pit.

2,598,294
SPRAY GUN
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application March 22, 1950, Serial No. 151,203
4 Claims. (Cl. 299—140.1)



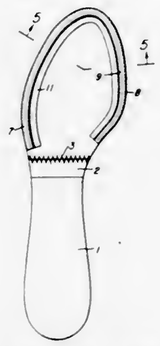
3. In an automatic spray gun of the type described, an air pressure responsive spray controlling element, an air supply passage leading thereto, an atmospheric venting passage connected to said supply passage, an air pressure movable valve at the juncture of said passages, two opposed seats for said valve, a spring for yieldably holding the valve against one of the seats in which it closes the supply passage and opens the venting passage, adjustable means for varying the tension of the spring against the valve, the valve when moved to the other of said seats by the pressure of air within the supply passage opening said supply passage and closing said venting passage.

2,598,295
BEDCLOTHES SUPPORT
Clyde W. Pelton, Akron, Ohio
Application February 13, 1947, Serial No. 728,239
9 Claims. (Cl. 5—319)



2. The combination with a bed having a set of springs, a mattress and bed clothes, of a holder adapted to elevate the lower end of said bed clothes above said mattress, comprising a stationary frame member held in position at the foot of said bed between said mattress and springs, a rotatable shaft mounted on said frame member in horizontal position, a pair of spaced arms radially connected to said shaft for movement therewith from a vertical position to a horizontal position on top of said mattress and vice versa, and an extension hinged to said arms for movement from an angular position to a horizontal position and vice versa with respect to said arms.

2,598,296
CUSHION INSOLE FOR WELT SHOES
Harold L. Pierson, Sea Breeze, N. Y., assignor to E. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application December 23, 1950, Serial No. 202,485
1 Claim. (Cl. 36—22)

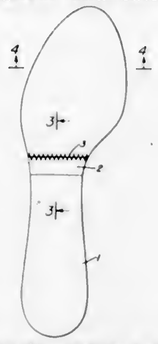


A shoe insole having a forward ball and toe portion comprising a flexible resilient and slightly compressible intermediate cushion layer consisting of a sheet of compressed composition of cork particles bonded with latex cement, a strengthening outer layer of light-weight loosely woven cotton fabric cemented to one entire surface of the cushion layer and coextensive with the cushion layer, and a soft light-weight leather split inner layer cemented to the entire opposite surface of the cushion layer and coextensive therewith, said forward ball and toe portion being of uniform thickness throughout and each of said three layers composing the same being of uniform thickness throughout, a rear shank and heel portion that is thicker than the forward ball and toe portion and constructed of material having the stiffness of stiff fiberboard and connected to said forward portion, and a sewing rib including an attaching portion abutting said fabric outer layer with its edge coinciding with the edge of the insole, said attaching portion being secured to the insole by inner and outer lines of stitching the outer of which is in close proximity to said edge and the inner of which is substantially spaced from the outer line of stitching.

2,598,297
INSOLE WITH A LAMINATED CUSHION FOREPART
Harold L. Pierson, Sea Breeze, N. Y., assignor to E. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application December 23, 1950, Serial No. 202,486
1 Claim. (Cl. 36—44)

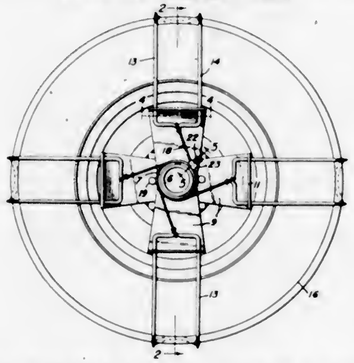
A shoe insole comprising a forward ball and toe portion consisting of a flexible resilient intermediate cushion layer consisting of a blank of compressed composition of cork particles bonded with latex cement, a strengthening outer layer of light-weight thin loosely woven fabric

cemented to one entire surface of the cushion layer and coextensive with the cushion layer, and a thin, soft, light-weight flexible leather inner layer cemented to the entire opposite surface of the cushion layer and coextensive therewith, said forward portion being of uniform thickness throughout and each of said three



layers composing the same being of uniform thickness throughout, and an attached single-ply rear shank and heel portion of material stiffer than said forward portion and a thickness the same as the thickness of the forward portion at the point of attachment thereto and thicker than the forward portion in rear of said point of attachment.

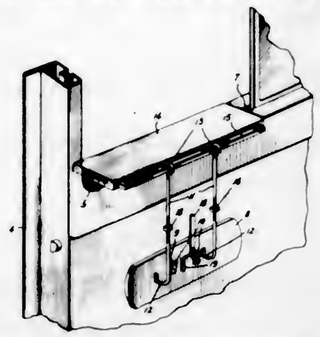
2,598,298
ANTISKID DEVICE FOR VEHICLE TIRES
Leo J. Pindjak, Benton, Ill.
Application March 31, 1949, Serial No. 84,584
3 Claims. (Cl. 152—225)



1. An anti-skid device comprising a plurality of tire gripping members positioned on the tread of a tire, a hub member, a tightening device rotatably mounted on the hub member in surrounding relation thereto, flexible members connecting the tire gripping members to the rotary tightening device to tighten the tire gripping members to the tire, and releasable means locking the tightening device to the hub member.

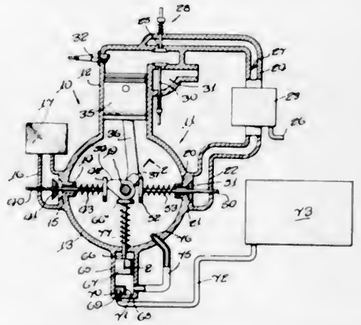
2,598,299
ARMREST FOR VEHICLES
Patrick Michael Prosser, Jacksonville, Fla.
Application February 21, 1950, Serial No. 145,547
5 Claims. (Cl. 296—49.2)

5. In an arm rest, a plate rigidly secured to the inner face of a door below the window opening thereof, a pair of arms rigidly secured at their lower ends to said plate and rising therefrom in spaced parallel relationship to one another and spaced from said door, loops on the upper ends of said arms terminating in substantially the same plane with the sill of said door



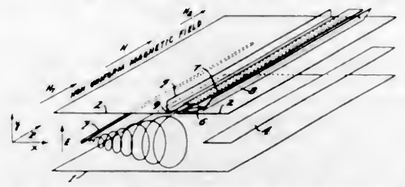
opening, a platform, a rod secured along one edge of said platform and spaced therefrom, said arm engaged in said loops, stop members adjustably secured upon said arms, and a spring finger pivoted to said plate and rising therefrom above the location of said stops.

2,598,300
INTERNAL-COMBUSTION ENGINE
J Lewis Putt, Huntington Station, N. Y.
Application March 7, 1951, Serial No. 214,257
5 Claims. (Cl. 123—73)



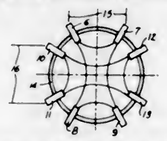
2. An internal combustion engine comprising an engine body provided with a cylinder and a crank case extending therefrom, an air inlet opening formed in the crank case, a passage connected to said air inlet opening, an air filter connected to said passage, a carburetor, means to connect the outlet end of the carburetor to the head of the engine, an outlet opening in the crank case, a passage interconnecting said outlet opening in the crank case with the inlet end of the carburetor, valves controlling the air inlet and air outlet openings of the crank case, and means controlled by the crank shaft to open the crank case air inlet valve on the upstroke of the piston, means to close the crank case air outlet valve during said upstroke of the piston, means on the crank shaft to open the crank case air outlet valve on the downstroke of the piston, and means to close the crank case air inlet valve during said down stroke of the piston.

2,598,301
METHOD OF AND MEANS FOR INDICATING FREQUENCY BY RESONANCE OF CHARGED PARTICLES
Jan A. Rajchman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 19, 1946, Serial No. 704,349
8 Claims. (Cl. 315—21)



1. In a device of the character described, an elongated source of free charged particles, means for establishing a magnetic field parallel to and surrounding said source, the intensity of said field being constant in time but increasing in intensity along the length of said source, electrode means for establishing an electric field perpendicular to said magnetic field, and means for applying to said electrode means potentials corresponding to an alternating wave whose frequency is to be determined, and a target electrode parallel to and coextensive with said source.

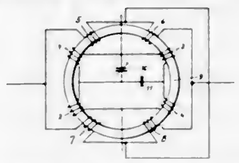
2,598,302
DEVICE FOR THE MAGNETIC DEFLECTION OF CATHODE-RAY TUBES
Wolfgang Reinhard, Pforzheim, Germany, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 15, 1951, Serial No. 256,454
In Germany November 3, 1949
2 Claims. (Cl. 313—76)



1. In a magnetic deflection system for cathode rays, in particular for television purposes, consisting of a yoke body designed as a circular cylinder surrounding the beam and of coil windings surrounding the cross-section of this body, an arrangement for improving the deflection effects, consisting of four coils in each winding for producing component deflection fields, two of the coils for each winding being interposed between two coils of the other winding, the angular spacing between said two coils of each winding on said yoke being more than 45° and less than 90°.

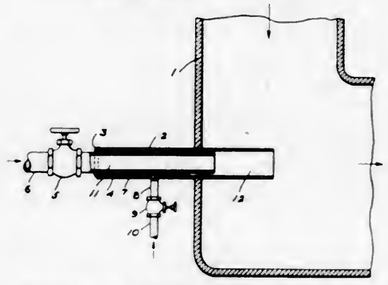
2,598,303
DEFLECTION-COIL ARRANGEMENT IN CATHODE-RAY TUBES
Wolfgang Reinhard, Pforzheim, Germany, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 15, 1951, Serial No. 256,455
In Germany November 17, 1949
1 Claim. (Cl. 315—27)

In a magnetic coil deflection system for cathode rays of the type using a toroidal core of divided magnetic material, and separate deflection windings each of which comprise four coils, the deflection windings being adapted to be energized by energies of different frequencies the coils of said windings being positioned at angles of less than 90° with respect to one another whereby mutual coupling occurs between said windings, the coils provided for energization by the higher of the frequencies being connected by pairs in



parallel, the coils of said pairs being connected in series, and provided with a variable trimmer condenser across the coils forming one of said pairs, a system for reducing the effects of the lower frequency induced in the higher frequency winding comprising a capacitor offering negligible impedance to the higher frequency waves, and relatively high impedance to the lower frequency waves, serially positioned in the parallel connection between said pairs.

2,598,304
METHOD FOR DISPERSING HIGH-BOILING LIQUIDS IN GASES
Harry L. Richardson, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application March 30, 1948, Serial No. 18,015
2 Claims. (Cl. 23—2)

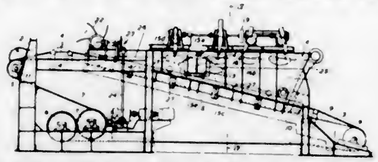


1. Method of conditioning for electrical precipitation gases from the flash roasting of sulfide ores which comprises establishing an annular stream of sulfuric acid, introducing a stream of fluid consisting substantially only of superheated steam at a pressure of at least 100 pounds per square inch into the lumen of said annular stream, and passing the mixture thereby produced into the stream of gases from the roasting operation.

2,598,305
SEPARATION OF MINERALS HAVING DIFFERENT SPECIFIC GRAVITIES IN A BODY OF LIQUID MEDIUM
Frank Frost Ridley, Ponteland, England
Application July 26, 1949, Serial No. 106,952
In Great Britain July 29, 1948
3 Claims. (Cl. 209—173)

1. Apparatus for separating solid granular materials in a liquid separating medium of density intermediate those of the solids being sep-

arated, comprising a tank adapted to contain a stream of the liquid medium, a uniformly inclined and transversely troughed floor in said tank, a conveyor belt adapted to traverse the floor of said tank, said belt being adapted to conform to the troughed form of said floor and to receive the settled sinks and convey said sinks by frictional contact with the surface of said belt to the surface of the liquid medium, a transversely troughed extension of said belt beyond said tank, a delivery pulley located at a distance beyond the discharge end of the tank with its upper surface slightly below the liquid level in said tank, troughing roller means between the tank end and said pulley, said pulley and said troughing roller means being adapted to carry the portion of said belt which extends beyond



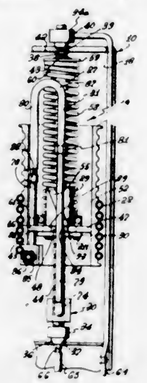
the tank, said troughing roller means being located with their central portions slightly below the liquid level and adapted to lift the edges of the extended portion of said belt in the vicinity of the liquid level whereby the belt is transversely troughed where it leaves the tank and is thereby adapted to contain the overflowing liquid medium after it leaves the tank and to lead it with the sinks over said delivery pulley, and at the feed end of the tank liquid inlet means adapted to feed liquid medium above the belt to induce flow in the direction of travel of the sinks throughout the length of the carrying portion of said belt, and means independent of the conveyor belt for removing the floats from the surface of the liquid medium intermediate the ends of the tank.

2,598,306

HOSE REELING APPARATUS

Carl A. Rostine, Gardena, Calif., assignor, by mesne assignments, to John Wood Company, New York, N. Y., a corporation of Delaware

Application March 8, 1949, Serial No. 80,137
10 Claims. (Cl. 299—78)



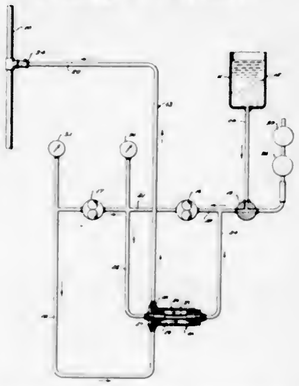
9. Hose reeling apparatus comprising a drum, means mounting said drum for both rotation about its axis and translational movement in the direction of said axis, a hose carried by said drum, a swivel inlet fitting connectable with a source of fluid and being free for rotational but not translational movement with said drum, a flexible fluid supply conduit having an inlet end fixed relative to said swivel inlet fitting to receive fluid therefrom and having an outlet end fixed relative to said drum and communicating with said hose, and a rigid driving connection interlocking said drum and swivel inlet fitting for rotation together.

2,598,307

LIQUID FLOW REGULATING SYSTEM

Ulrich Jan Rutgers, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application December 12, 1949, Serial No. 132,437
In the Netherlands January 4, 1949
2 Claims. (Cl. 137—78)



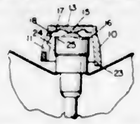
1. A system for constantly supplying a predetermined quantity of low viscosity liquid to a spinning solution which comprises a main pipe line for supplying the liquid to the spinning solution, a metering pump in the main line for controlling the quantity of liquid supplied, a branch line connected to the main line before the metering pump, an auxiliary pump in the main line upstream of the branch line constructed and arranged to operate at a higher capacity than the metering pump whereby excess liquid is by-passed to the branch line before the metering pump, means, responsive to pressure changes in the main line downstream of the metering pump, to regulate the flow of liquid in the branch line whereby the pressure before the metering pump conforms to the pressure after the metering pump.

2,598,308

CONTROLLABLE SPRAY DISPENSER

Abe O. Samuels and Samuel Kahn, Bridgeport, Conn., assignors, by mesne assignments, to Maryland Devices, Inc., Baltimore, Md., a corporation of Maryland

Application January 20, 1950, Serial No. 139,748
9 Claims. (Cl. 299—150)



1. In combination with a protruding portion of a valve mechanism actuated by exerting a

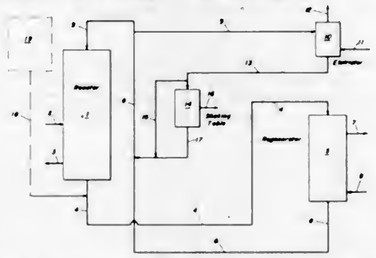
pressure on the top thereof and a lug located at the side of said protruding portion, a hollow cap fitting over said protruding portion and said lug, said cap having a lug-engaging groove in the side wall thereof, said groove having at one end an overhanging portion adapted to hold said lug a predetermined distance below the top of said cap, an unobstructed center portion, and an underlying cam rising in elevation toward its other end adapted to cam said lug toward the top of said cap, and a projection at the base of the cap spaced substantially 180 degrees from the said overhanging portion of said groove.

2,598,309

CATALYTIC CRACKING OF HYDROCARBON OIL

Theodore Say, West Chester, and John F. McKinney, Jr., Ridley Park, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application November 3, 1948, Serial No. 58,134
3 Claims. (Cl. 196—52)



1. The method for utilizing silica-alumina cracking catalyst particles to obtain therefrom a prolonged period of active use in catalytic cracking of hydrocarbon material which comprises: contacting a stationary bed of such catalyst particles with hydrocarbon material under cracking conditions; periodically regenerating in situ the catalyst particles by combustion of carbonaceous materials, the contacting with hydrocarbon material and the regenerating being conducted in alternate cycles until the particles have undergone partial permanent deactivation to a reduced catalytic cracking activity level above which level the catalytic cracking activity of the particles cannot be restored by such regenerating, the deactivated particles having iron oxide poisons deposited on the surface thereof; withdrawing said deactivated particles from use in the stationary bed operation and transferring said deactivated particles to a catalytic cracking system wherein silica-alumina cracking catalyst particles move continuously as a compact bed through zones of reaction and regeneration; and using said deactivated particles to crack hydrocarbon material in the cracking system employing the moving compact bed until said deactivated particles have undergone additional permanent deactivation before removing the particles from the moving compact bed system.

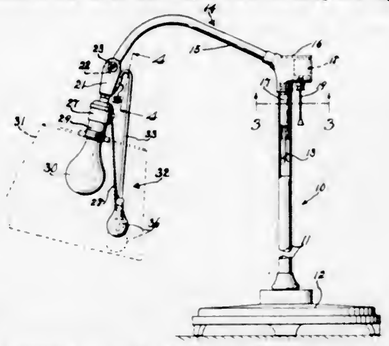
2,598,310

ADJUSTABLE STAND LAMP WITH A SWITCH AND A HANDLE TO ADJUST THE LAMP AND ALSO ACTUATE THE SWITCH

George Schaser, Gary, Ind.

Application March 8, 1950, Serial No. 148,345
3 Claims. (Cl. 240—81)

1. A control device for use on an electric lamp including an upright standard, said device comprising an arm and means at one end for readily mounting it adjustable in a horizontal plane on said standard, a sleeve mounted adjustably on the other end of said arm, an electric light socket including a pull-chain switch removably mounted on said sleeve, a rod having its upper



end secured to the sleeve and depending therebelow, and a handle movably mounted on the lower end of said rod and being connected with the pull-chain, wherewith, by merely grasping and moving said handle the switch can be actuated and the socket with its light can be variously adjusted relative to said standard.

2,598,311

MANUFACTURE OF VANILLIN

Eugene Wilhelm Schoeffel, Kronenwetter, Wis., assignor to Salvo Chemical Corporation, Rothschild, Wis., a corporation of Wisconsin

No Drawing. Application May 4, 1950, Serial No. 160,089
12 Claims. (Cl. 260—600)

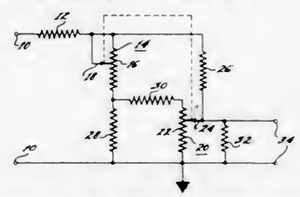
1. The method for producing vanillin from waste sulfite liquor made alkaline with an alkali metal hydroxide, which comprises subjecting the alkaline liquor to the action of oxygen at a temperature above about 200° C. and a pressure above about 1000 pounds per square inch for a time not exceeding about 10 minutes, rapidly cooling the treated liquor to about room temperature, and separating vanillin therefrom.

2,598,312

SINE AND COSINE FUNCTION VOLTAGE DEVICE

Charles C. Shumard, Hopewell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 11, 1951, Serial No. 236,168
5 Claims. (Cl. 235—61)



1. A circuit for deriving a voltage which represents a function of either a sine or a cosine of an angle comprising a pair of voltage input terminals, a first resistor having one end connected to one of said input terminals, a second resistor, a first potentiometer, one end of said second re-

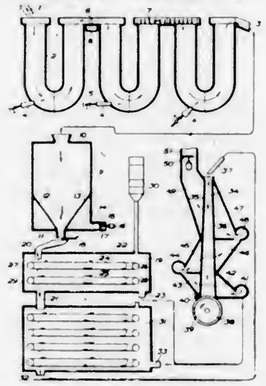
sistor and said first potentiometer winding being connected to the other end of said first resistor, said first potentiometer slider being connected to said other end of said first resistor, a third and a fourth resistor having one of their ends connected to the other end of said first potentiometer winding, a second potentiometer having one end of its winding connected to the other end of said 4th resistor, the slider of said potentiometer being connected to the other end of said second resistor, said first and second potentiometers having their sliders mechanically ganged to be simultaneously movable, a fifth resistor having one end connected to said potentiometer slider, and a pair of output terminals, one of which is connected to said potentiometer slider and the other of which is connected to the other ends of said third resistor, said fifth resistor and said potentiometer winding, and to the other of said input terminals.

2,598,313

METHOD AND AN APPARATUS FOR THE TRANSFORMATION OF CEREALS, PARTICULARLY BARLEY, INTO MALT

Olof Arvid Skantze, Falkenberg, Sweden

Application February 13, 1948, Serial No. 8,056
In Sweden February 14, 1947
12 Claims. (Cl. 195—70)



1. An apparatus for dry steeping of soaked barley comprising, walls forming a vertical chamber and providing an inlet at the upper end of said chamber for the barley coming from the soaking process and an outlet at the lower end thereof for discharge of barley from the chamber, an internal perforated baffle in said chamber for drainage of water from the bulk of the barley, said baffle separating said vertical chamber into a lower chamber provided with an outlet for water and air, a sucking device connected to said lower chamber sucking in air from the outside into the vertical chamber at top thereof through an inlet and through the bulk of the barley and out through said air outlet from the lower chamber simultaneously removing carbonic acid developed by the barley.

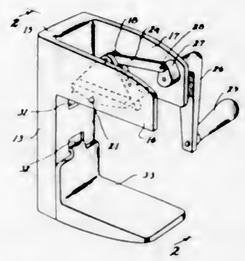
2,598,314

WALL MOUNTED CAN OPENER

Edward R. Skorupa, Columbus, Nebr., and Eric K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Skorupa

Application February 13, 1951, Serial No. 210,694
5 Claims. (Cl. 30—6.1)

1. A milk can opener comprising a support, a shelf on said support for receiving a can, the puncturing member pivotally connected to said support to rock back and forth and puncturing elements laterally spaced from one another con-



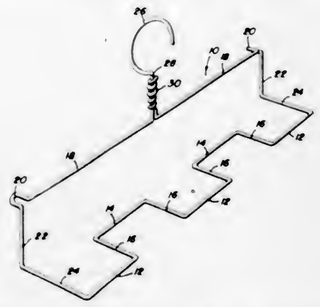
nected to the opposite ends of the puncturing member and at the opposite sides of its pivot connection with the support and means for rocking said puncturing member.

2,598,315

SUSPENDED TIE RACK

Arthur D. Sweet, Los Angeles, Calif.

Application December 27, 1949, Serial No. 135,101
4 Claims. (Cl. 211—119)



1. A tie rack comprising a first set of relatively spaced endwise aligned elongated tie supporting members and a second set of spaced endwise aligned elongated tie supporting members, said second set being parallel to and coplanar with said first set, tie supporting segments joining the ends of each member of said first set to the adjacent ends of spaced members of the second set, said tie supporting segments being disposed coplanar with said first and second sets of tie supporting members, and means supporting said tie rack in a horizontal plane.

2,598,316

INTERPOLYMERS OF A 2-ALKENYL 2-ALKENOATE, A 2-ALKENYL ALCOHOL, AND ANOTHER COPOLYMERIZABLE MONOOLEFINIC COMPOUND

Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 23, 1948, Serial No. 56,259
15 Claims. (Cl. 260—78.5)

1. A soluble, ethylenically unsaturated, ternary interpolymer of monomers consisting of (A) a 2-alkenyl 2-alkenoate, (B) a copolymerizable

monoolefinic compound selected from the group consisting of acrylic esters of the saturated aliphatic monohydric alcohols, vinyl esters of the saturated aliphatic monocarboxylic acids, vinyl alkyl ethers, vinyl methyl ketone, esters of alpha-olefinic polycarboxylic acids with saturated aliphatic monohydric alcohols, acrylamide, N-methylacrylamide, acrylonitrile, methacrylonitrile, fumaronitrile, maleimide, N-butyl maleimide, vinyl chloride, and vinylidene chloride and (C) a 2-alkenyl alcohol, the said interpolymer being derived from an interpolymerizable mix containing from 0.2 to 12 molar equivalents of (C) and from 0.1 to 8.0 molar equivalents of (B) per molar equivalent of (A).

2,598,317

PREPARATION OF TWO-SIDED MOSAIC SCREENS

Gordon K. Teal, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 29, 1948, Serial No. 67,913
2 Claims. (Cl. 117—33.2)



1. The method of manufacturing a two-sided mosaic screen which comprises placing an apertured screen member on a support, forming metal plugs in the apertures of said screen, stripping the apertured screen member from the plugs, insulating the exposed portions of said plugs, filling the region between the insulated plugs with a metallic oxide, reducing the metallic oxide to metal to form a conducting screen between the insulated plugs, removing enough of the insulating layer from the top of said insulated plugs to expose a portion of the plugs, and removing the support.

2,598,318

METHOD OF THICKENING RELATIVELY THIN APERTURED METALLIC SCREENS

Gordon K. Teal, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 29, 1948, Serial No. 67,916
2 Claims. (Cl. 204—24)



1. A method of preparing a relatively thick metal screen having a multiplicity of tiny apertures therethrough of substantially the same size from a thin metal screen having the same number of apertures, which comprises the steps of applying suction to one end of each of the apertures in said thin screen while applying a suspension of non-conducting particles in water in the other end thereof, thereby forming non-conducting buttons therein which project above the surface of the screen to which the suspended particles are applied, electroplating metal on said thin screen to almost cover the projecting portions of said buttons and form thereby said thick screen, dissolving the buttons in solvent, and etching the metal in the apertures of said thick screen to smooth said apertures.

2,598,319

DUSTLESS COMPOSITION FOR RUBBER COMPOUNDING AND METHOD OF MAKING SAME

Monte C. Throdahl, St. Albans, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 8, 1950, Serial No. 183,899
31 Claims. (Cl. 260—306.5)

1. The process of making an improved dustless composition for rubber compounding which comprises subjecting to agitation an aqueous dispersion of a water insoluble normally dusty rubber compounding agent and a waxy binder constituting about 5% to 35% of the mixture and heating above the melting point of the waxy binder but below that of the rubber compounding agent, stirring being continued until bead-like agglomerates larger than 100 mesh are formed.

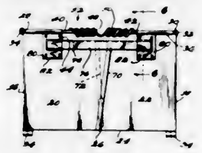
18. An improved composition for rubber compounding consisting essentially in dustless free-flowing bead-like agglomerates larger than 100 but smaller than 8 mesh in size composed of about 5% to 35% of a waxy binder and about 95% to 65% of a water insoluble normally dusty rubber compounding agent, the agglomerates being smooth surfaced somewhat irregular and variable in size and shape and also characterized by being friable and dispersible on milling into rubber.

2,598,320

ADJUSTABLE CONTAINER

Charles W. Turbyfill, Marshall, Tex.

Application August 2, 1948, Serial No. 42,083
6 Claims. (Cl. 220—97)



1. An adjustable container comprising a pair of complementary shells secured to a bottom wall, each of said complementary shells having a side wall and two end sections, means for moving said shells to and from each other to an open or closed position, said means including a pair of thread followers secured at their ends to said end sections, and a coil having oppositely disposed helix adapted to receive said followers, the ends of said coil attached to a handle, whereby operation of said coil will expand or contract the sides of said container, and means for strengthening the end walls including a reinforcing bar mounted for sliding movement in cutouts in said end walls.

2,598,321

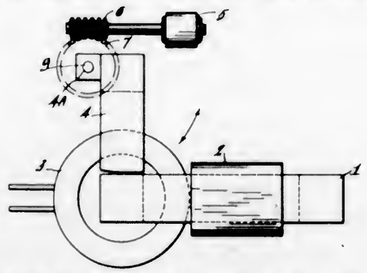
FILAMENT HEATING TRANSFORMER HAVING A VARIABLE OUTPUT VOLTAGE

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 21, 1948, Serial No. 28,477
2 Claims. (Cl. 171—119)

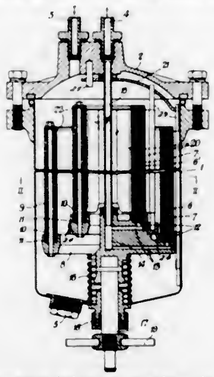
1. An adjustable voltage transformer, comprising a ferromagnetic core, a primary winding surrounding a portion of said core, a secondary winding surrounding another portion of said core and having its axis extending at right angles to the axis of the primary winding, a pivotally-

mounted ferromagnetic yoke member positioned, with respect to said secondary winding and said core, so as to shunt magnetic flux around the



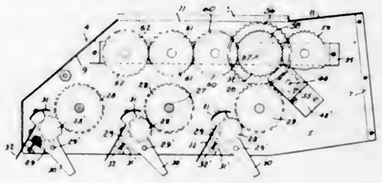
secondary winding, and a motor-operated mechanism mechanically coupled to said yoke for moving said yoke about its pivot to change the air gap between said core and said yoke.

2,598,322
POROUS FILTER
Cecil Gordon Vokes, Guildford, England, assignor to Vokes, Limited, Guildford, England, a British company
Application October 25, 1946, Serial No. 705,555
In Great Britain December 3, 1945
5 Claims. (Cl. 210—119)



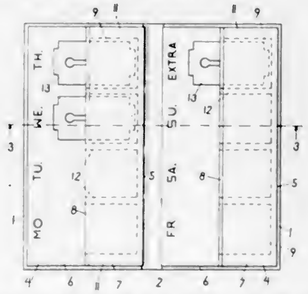
3. A filter comprising a casing having an inlet and an outlet, a tubular filter element of molded porous material having a coarsely porous intermediate stratum between finely porous outer strata all of the same material and integrally united, a spider in said casing supporting the bottom of said filter element and having a drain channel open to said intermediate stratum of said filter element, means securing said tubular filter element on said spider and closing the top of said intermediate stratum to prevent direct ingress and egress, passage means from said spider channel to said casing outlet, a spindle fixed with said spider and depending through said casing for rotation of said spider, a spring in said casing resiliently supporting said spider and biasing it upwardly, support means interposed between said spider and the top of said casing and limiting the spring imposed movement of said spider, means connecting said support means with said casing to prevent relative rotation therebetween, and at least one scraper blade carried by said support means in engagement with at least one of the cylindrical walls of said tubular filter element to scrape said walls when the spider is rotated by said spindle.

2,598,323
FOIL FEEDER FOR PRINTING OR EMBOSSING MACHINES
Harold Kenneth Wagar, Takoma Park, Md.
Application January 13, 1947, Serial No. 721,742
12 Claims. (Cl. 271—2.4)



9. In a foil feeder for printing or stamping machines, the combination of a casing or frame, a drive shaft journaled on the frame at one side thereof, a transmission shaft journaled on and extending horizontally across the frame, a train of gears at the opposite side of the frame comprising a primary drive gear on the transmission shaft, a plurality of secondary drive gears journaled on the frame and intermediate spacing and motion transmitting gears arranged between and serially connecting said drive gears with one another and spacing the same from each other in a direction longitudinally of the frame, a plurality of sets of feed rolls extending transversely of and journaled on the frame below the level of said gears and in spaced relation to each other longitudinally of the frame, rack and pinion devices having one-way clutches connecting the respective drive gears with the respective sets of rolls at the second named side of the frame, whereby said gears and rack and pinion devices are mounted in following order at one and the same side of the frame above sets of rolls arranged to feed a plurality of foil strips longitudinally of the frame below the level of the transmission shaft and the train of gears driving the rack and pinion devices therefrom, a clutch device for connecting the drive shaft with the adjacent end of the transmission shaft, and means mounted on the frame for throwing the clutch device into and out of action to periodically connect the transmission shaft with the drive shaft and disconnect it therefrom.

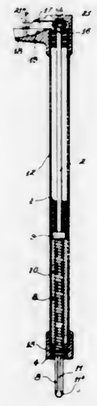
2,598,324
BOOKLIKE HQLDER FOR SAFETY RAZOR BLADES
Stanley W. Wathon, Woodside, N. Y.
Application August 20, 1949, Serial No. 111,457
2 Claims. (Cl. 206—46)



1. A receptacle for safety razor blades comprising a book-like cover having two foldably connected plates, two larger and two smaller layers

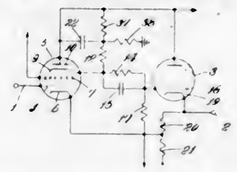
of moisture-absorbent material, each larger layer forming a lining of one of said plates, each smaller layer overlying a portion of one of said larger layers and being permanently connected thereto along an edge of said smaller layer and along lines extending from said edge to the opposite edge of said smaller layer whereby said layers form flat pockets of absorbent material which, when said cover is unfolded, are spread beside each other so that each pocket is adapted for insertion or removal of a razor blade without moving or contacting any razor blade inserted in another pocket, each smaller layer extending over an area which, when said cover is folded, lies out of and abuts the area over which the other smaller layer extends, the abutting line of said smaller layers coinciding with those edges to which said connected lines of said smaller layers extend whereby that portion of each larger layer which extends beyond the smaller layer connected thereto overlies those portions of razor blades which project beyond the pockets formed by the other larger layer and by the smaller layer connected to the latter layer.

2,598,325
MEANS FOR SUPPLYING RUBBER RINGS TO TOOLS
Harold Weekes, Mataroa, Taihape, New Zealand
Application October 24, 1949, Serial No. 123,207
In New Zealand October 28, 1948
12 Claims. (Cl. 312—46)



1. In an apparatus for supplying flexible rings to a tool for expanding the rings, the combination of a body constituting a delivery head, and having a longitudinal passage formed therein, to constitute a delivery slot for said rings and having inlet and outlet ports at its ends, respectively, to permit travel of the rings, successively, through said passage, said body also having a second longitudinal passage formed therein, to constitute a guideway for said expanding tool, the longitudinal axes of said passages lying in a common vertical plane, said guideway extending below and above said slot and opening through the top of said body; and a magazine for the rings, attached to said body and having a discharge port communicating with said inlet port of said slot.

2,598,326
NEGATIVE FEEDBACK AMPLIFIER
Eric Lawrence Casling White, Iver, and Edward Arthur Newman, London, England, assignors to Electric & Musical Industries Limited, Hayes, England, a British company
Application November 18, 1947, Serial No. 786,748
In Great Britain November 20, 1946
7 Claims. (Cl. 179—171)



1. A negative feedback amplifier circuit for operation with a low output impedance, including an electron multiplier valve having at least a thermionic cathode, a control electrode, a dynode and an anode, means for feeding signals to be amplified to the control electrode-to-cathode circuit of said valve, a second valve having at least a thermionic cathode, a control electrode and an anode, a coupling from the dynode of said electron multiplier valve to the control electrode of said second valve, an output load in part of the anode-to-cathode circuit of said second valve which is common to the control electrode-to-cathode circuit thereof, and a feedback path for feeding at least a fraction of the potentials set up at the cathode of said second valve to the cathode of said electron multiplier valve to provide negative voltage feedback from said load.

2,598,327
METHOD AND MACHINE FOR CUTTING GEARS
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 19, 1946, Serial No. 677,813
17 Claims. (Cl. 90—7)



9. The method of producing a pair of tapered gears which comprises generating each member of the pair conjugate to a cylindrical gear by positioning a tool of cylindrical gear form in engagement with a tapered gear blank with the axis of the tool inclined to but offset from the axis of the blank, and imparting axial reciprocating movements to the tool while effecting a relative generating movement between the tool and

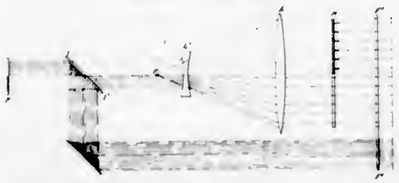
blank as though the gear being cut were meshing with the cylindrical gear described by the tool in its reciprocating movements.

2,598,328

OPTICAL REVERSER OF PHOTOGRAPHIC NEGATIVES

José C. Williman, Montevideo, Uruguay

Application January 12, 1950, Serial No. 138,078
5 Claims. (Cl. 88—1)



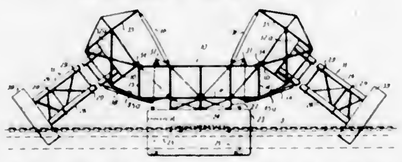
1. A device for viewing photographic negatives as positives comprising means projecting two beams of parallel rays of monochromatic light originating from a single source and conditioned to produce interference effects when combined, means for supporting a photographic negative in the path of one of said beams of light rays, a flat transparent plate of uniform thickness inclined at an angle of 45° to the axis of said one beam and in front of said negative supporting means so that monochromatic light rays passing through the supported negative are passed through the transparent plate to the front surface thereof, and a flat mirror disposed in parallel spaced arrangement relative to said plate and interposed in the path of the other of said beams to reflect the monochromatic rays of said other beam against said front surface of the transparent plate so that monochromatic light rays reflected by said mirror are reflected forwardly off said front surface of the plate, said mirror being spaced from said plate a predetermined distance so that the light rays of said one beam passed through the negative and said plate and the light rays of said other beam reflected off said front surface of the plate are oppositely phased at said front surface of the plate whereby said light rays passed through the negative and inclined plate interfere with the light rays reflected from said mirror and said front surface of said inclined plate to project an optical reversal of the image on the photographic negative.

2,598,329

OFFSHORE DRILLING PLATFORM AND METHOD OF CONSTRUCTING SAME

Harvey A. Wilson, Brazoria, Tex.

Application June 23, 1948, Serial No. 34,639
12 Claims. (Cl. 61—46)



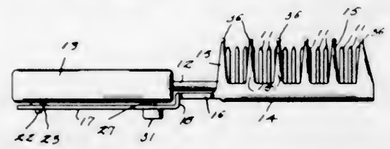
1. The method of constructing an off-shore drilling platform, comprising, pre-fabricating a platform structure including a main platform section and a pair of elongated pier sections having hinged connection at their upper ends to opposite sides of said main platform section for swinging movement relative thereto between laterally extended and vertical downward positions, bodily transporting said structure with said pier sections in laterally extended positions to a water location on removable float means, sinking the outer ends of said pier sections to the water bottom while said main platform section remains supported by said float means, reducing the buoyancy of said float means to thereby transfer the load of said main platform section from said float means to said pier sections, and thereafter removing said float means from beneath said main platform section.

2,598,330

SAFETY GUARD FOR HAIR STRAIGHTENING COMBS

Ernest Wilson, Los Angeles, Calif.

Application December 1, 1949, Serial No. 130,517
6 Claims. (Cl. 132—14)



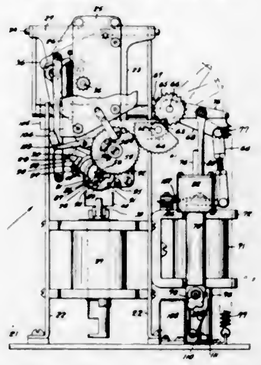
3. A comb of the class described having a handle, a back and a plurality of teeth formed on said back, including a guard to prevent contact of the comb teeth with a body adjacent thereto comprising a handle, a body and guard teeth, means for pivotally and detachably connecting the guard handle to the comb handle whereby the guard may be pivoted laterally of the comb, and means for preventing accidental pivotal movement of the guard laterally from the comb teeth, the guard teeth being spaced farther apart than the teeth of the comb and extending beyond the tips of the latter.

2,598,331

TIME COMPUTING AND RECORDING CLOCK

Browning Paton Wood, Montreal, Quebec, Canada

Application October 15, 1947, Serial No. 779,905
21 Claims. (Cl. 346—82)



1. In a time computing recorder comprising, time computing and recording elements; a continuously operating actuating means for said computing elements and driving connection between said actuating means and said elements, including pawl means to move said computing elements; means to move the computing elements for resetting the same and means operative at predetermined times to move said pawl means out of operative relation to the computing elements and after a predetermined number of operations of said resetting means into operative relation therewith.

2,598,332

COLD PROCESS TRANSFER COATING COMPOSITIONS

George Walton, Cincinnati, Ohio

No Drawing. Application November 29, 1948, Serial No. 62,591
4 Claims. (Cl. 106—31)

1. A cold process transfer coating composition comprising a solid wax and non-drying liquid oil, having a coloring matter dispersed therein, the oil having a viscosity not in excess of 250 comprising about 48 to 80% of the composition, by weight, and the wax comprising about 2 to 35%, by weight, of the composition, said composition normally being in the form of a spreadable thixotropic gel in which the wax is incompletely dissolved in the oil, and which is resistant to free flowing at ordinary room temperatures of about 20 to 35° C. but is capable of becoming free flowing when subjected to mechanical manipulation and of reverting to said soft, solid gel when free from mechanical manipulation.

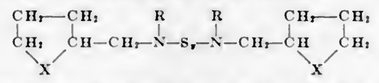
2,598,333

N-THIO BIS N-TETRAHYDROFURFURYL- AND TETRAHYDROTHENYL-AMINES

Richard O. Zerbe, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 29, 1950, Serial No. 187,700
7 Claims. (Cl. 260—345)

1. An N-thioamine of the structure



where X represents an element of group VI of the periodic table having an atomic weight less than 33, R is a member of a group consisting of alkyl radicals and a cyclohexyl radical and y is an integer less than five.

2,598,334

BAG CLOSURE

Frank Ahlburg, Los Angeles, Calif.

Application March 20, 1950, Serial No. 150,789
2 Claims. (Cl. 150—11)



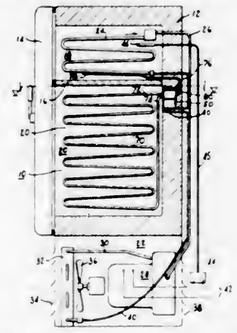
1. In a bag closure, a draw cord engaging the mouth of the bag, and a retaining device engaging extended portions of the cord, said device comprising a single strip of sheet metal having opposite ends thereof bent upon themselves to form a pair of substantially cylindrical and parallel tunnels through which portions of the cord extend, the effective inner diameter of said tunnels being less than the normal outside diameter of the cord whereby said device frictionally retains the cord, the ends of said tunnels adjacent the bag being slightly belled to prevent undue abrasion of the cord, and the other ends of said tunnels having an abrupt edge to retard slippage of the device in a direction away from said bag.

2,598,335

TEMPERATURE REGULATOR FOR SECONDARY VOLATILE REFRIGERANT CIRCUIT

Carl F. Alsing, Wilbraham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 17, 1947, Serial No. 755,090
7 Claims. (Cl. 62—4)



1. In a refrigerating system, the combination of a cabinet having a space to be refrigerated, a refrigerant evaporator for abstracting heat from media in said space, a refrigerant condenser disposed exteriorly of the space, a vessel for containing a body of liquid refrigerant, means for applying heat to said vessel in proportion to the temperature of the atmosphere ambient said cabinet for varying the temperature and pressure of said body of refrigerant directly in response to changes in temperature of the ambient atmosphere, a conduit structure connected to the condenser and terminating in a lower region of the vessel for draining condensed refrigerant by gravity from the condenser to the vessel, means defining an overflow passage for the body of liquid refrigerant in the vessel, means for draining refrigerant, overflowing through said passage, by gravity to the evaporator, means for conveying vaporized refrigerant from the evaporator to the condenser and adjustable valve means connecting an upper region of said vessel and said vaporized refrigerant conveying means for the passage of vaporized refrigerant.

2,598,336

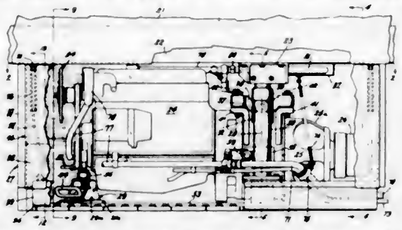
RAILWAY AUXILIARY POWER PLANT MOUNTING

Robert G. Anderson, deceased, late of Erie, Pa., by Hulda Anderson, executrix, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application October 26, 1948, Serial No. 56,527
5 Claims. (Cl. 105—133)

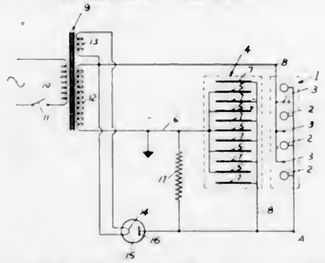
1. A horizontally disposed power unit comprising an engine-generator, said unit being supported by a three-point suspension with two of said points of suspension arranged on a horizontal axis transversely of the longitudinal horizontal axis of said unit, the third of said points of suspension being located at one end of said

unit when said unit is in a first position, means for selectively engaging and disengaging said third point of suspension, said first two points of suspension being rotatable about a vertical axis when said third point of support is disengaged



whereby said unit may be swung into second position, and means for preventing tilting of said unit around said first-mentioned horizontal axis when said third point of suspension is disengaged.

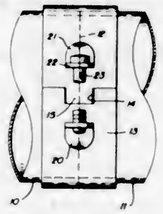
2,598,337
ELECTRICAL PRECIPITATOR
Glenn E. Andrews, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 5, 1948, Serial No. 31,275
20 Claims. (Cl. 183—7)



1. An electrical precipitator for purifying gas comprising a plurality of ionizing electrodes between which an ionizing discharge is adapted to occur, a plurality of spaced, parallel collector plates comprising alternate charged and ground plates upon which impurities in said gas are collected, a source of alternating current, a rectifier and filter circuit connected to said source for deriving from said source a substantially constant potential different from ground for energizing said charged plates, and means for applying to said electrodes to energize the same a pulsating unidirectional potential derived from said first-named potential and said source, said last-named potential varying between zero and a peak of substantially twice the value of said first-named potential.

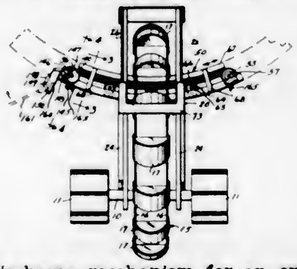
2,598,338
METHOD OF MAKING PIPE JOINTS
Alfred C. Arbogast, Elkhart, Ind., assignor to Northern Indiana Brass Co., Elkhart, Ind., a corporation of Indiana
Application February 3, 1947, Serial No. 726,041
3 Claims. (Cl. 29—354)

1. The method of forming a reinforced joint between thin walled tubes of the same nominal size but which may vary slightly in actual outside diameter, the ends of which may initially have some ovality or out-of-round condition, which comprises initially shaping the end surfaces of two tubes so that they may interfit with capillary closeness throughout the end surfaces thereof, bringing the ends of the tubes together with their end surfaces spaced to provide for capillary flow of molten metal therebetween and assembling a flexible metal ring split at one side only over the ends of the tubes, the ring having a thickness not substantially different from the wall thickness of the tubes and having outwardly extending clamping ears adjacent the split, tightening the ring by pressure applied to the ears to grip the ends of both tubes to retain their



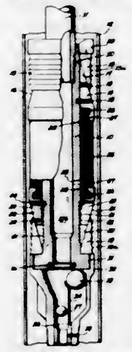
end surfaces spaced as aforesaid, and to bring the inner surface of the ring into capillary closeness to the outer surface of both tube ends, causing the tube ends to match as to ovality or out-of-round condition by the application of pressure through the ring, introducing molten metal to the capillary space between the ring and tubes, causing the molten metal to flow and fill the capillary spaces between the inner surface of the ring and outer surfaces of the tubes and between the end surfaces of the tubes.

2,598,339
DISCHARGE CONVEYER FOR EXCAVATING MACHINES
Albert R. Askue, Euclid, Ohio, assignor to The Cleveland Trencher Company, Cleveland, Ohio, a corporation of Ohio
Application July 22, 1949, Serial No. 106,216
4 Claims. (Cl. 198—110)



4. A discharge mechanism for an excavating machine, including a support, a discharge conveyor mounted on said support for movement transversely thereof, means on said conveyor to receive material to be discharged and discharge it to one side of the support, said conveyor comprising a frame, a pair of spaced shafts journalled on said frame, a belt supporting and driving roller mounted on each shaft, an endless flexible conveyor belt looped about said rollers, a pair of sprocket wheels drivingly connected to respective shafts, a third sprocket wheel mounted on said support, said sprocket wheels being positioned in a common plane with the axis of the third wheel in a plane normal to the first named plane and between the axes of the first named wheels, an endless drive chain drivingly interconnecting said sprocket wheels, power operated means to drive said third sprocket wheel including a manually operable reverse gear mechanism, a releasable latch to latch said conveyor to said support, resilient means to move said latch in a latch engaging position, means to lock said latch in a latch disengaging position, and a manually operable brake mechanism coacting with one of said shafts to selectively hold such shaft against rotation, said latch comprising a pin, and said conveyor having a plurality of openings to receive said pin, and means carried by said conveyor and engageable with said support to limit the movement of said conveyor in either direction.

2,598,340
WELL PACKER LOCK DEVICE
Reuben C. Baker, Coalinga, and Thomas M. Ragan, Downey, Calif., assignors to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application July 20, 1946, Serial No. 685,023
15 Claims. (Cl. 166—12)

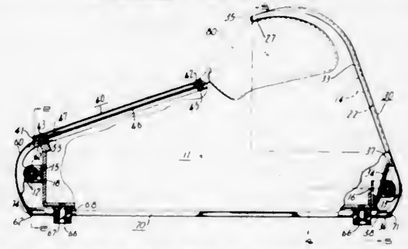


1. A well tool, including a supporting member, split expansible and contractible expander means movable with respect to said supporting member, slips movable by said supporting member along said expander means into engagement with a cooperable member, said expander means and supporting member having interengaging ratchet teeth integral with said expander means and supporting member and permitting longitudinal movement in one direction of said supporting member along said expander means in order to engage said slips with said cooperable member, said teeth locking said supporting member to said expander means upon longitudinal movement of said supporting member in the other direction, the locking surfaces of said ratchet teeth on said expander means facing in the direction in which said supporting member is movable in engaging said slips with said cooperable member, the companion locking surfaces of said supporting member ratchet teeth facing in the opposite direction.

2,598,341
MANUFACTURE OF PROTEIN HYDROLYSATES
Morris J. Blish, Toledo, Ohio, assignor to International Minerals & Chemical Corporation, a corporation of New York
No Drawing. Application September 22, 1948, Serial No. 50,655
2 Claims. (Cl. 260—529)

1. In a process involving the sulfuric acid hydrolysis of a proteinaceous composition, followed by treating the hydrolysate with a sufficient amount of agent selected from the group consisting of alkaline earth metal oxides, hydroxides, and carbonates to give the hydrolysate a pH between about 10.5 and about 12.0, and separating insoluble matter therefrom; the improvements comprising heating the resultant alkaline solution until the vapor therefrom is substantially free from ammonia, adding to the resultant solution acidic material selected from the group consisting of acids and acid anhydrides whose salts with alkaline earth metals are substantially water-insoluble in an amount sufficient to give said solution a pH between about 5.0 and about 7.0, separating insoluble matter comprising insoluble alkaline earth metal salts from the adjusted solution, concentrating the resultant solution beyond the saturation point of tyrosine and leucine, cooling the concentrate and separating said crystallized amino acids therefrom, treating the resultant solution with an additional amount of the aforesaid acidic material to give said solution a pH between about 2.5 and about 3.5, separating insoluble alkaline earth metal salts from the resultant solution, concentrating the substantially alkaline earth metal-free solution to the saturation point of glutamic acid, cooling the concentrated solution, and separating crystallized glutamic acid therefrom.

2,598,342
OFFICE MACHINE
Robert E. Boyden, Los Angeles, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application February 24, 1948, Serial No. 10,362
3 Claims. (Cl. 45—68.1)



1. In an office machine, the combination of an internal framework, and an external cover assembly including a first cover, and restraining devices including a part of the framework to limit movement of said cover relative to the framework in all but one direction, a second cover fixed to the framework and lying in a plane substantially perpendicular to the plane of said first cover, a flange formed on the second cover and interlocking one of the edges of the first cover to prevent movement of said one edge of the latter cover in said one direction, a third cover fixed to the framework and lying in a plane substantially perpendicular to the plane of the first cover, a flange formed on the third cover and interlocking another one of the edges of the first cover to prevent movement of the latter edge of said cover in said one direction.

2,598,343
PROGRAM AND COMMUNICATION SYSTEM FOR DRIVE-IN THEATERS OR RESTAURANTS
Edward B. Brady, Cleveland, Ohio
Application March 10, 1949, Serial No. 80,676
1 Claim. (Cl. 179—6.3)

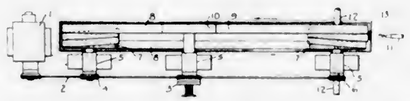
A sound reproducing and communicating system for a drive-in restaurant comprising: an en-

tertainment program source; a plurality of program reproducing units distributed throughout a parking area; circuit means including coin controlled mechanism for connecting said source with said units for reproduction of programs by said units; an order receiving station comprising an amplifier and loud-speaker; circuit means for connecting said units with said amplifier; manually operated switching means at the individual units for effecting connections of said units with the second mentioned circuit means



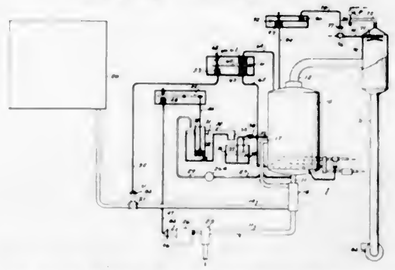
independently of said coin controlled mechanism; and switching means at the order receiving station for connecting the input of said amplifier with the second mentioned circuit means and simultaneously maintaining the output of the amplifier with said second mentioned speaker unit, the last mentioned switching means being operable to disconnect the input of said amplifier with said second mentioned circuit means and to connect said input with said second mentioned speaker unit and said output with said second mentioned circuit.

2,598,344
APPARATUS FOR MAKING METAL STRIPS
Robert M. Brennan, Cleveland, Ohio
Application July 27, 1948, Serial No. 40,823
10 Claims. (Cl. 22—57.4)



6. Apparatus for producing flexible strip metal comprising a molten metal spray depositing device which makes an elongated tapered cross-sectional deposit, a longitudinally movable belt and drive means therefor to move said belt so as to have a layer of metal sprayed thereonto by said device, and means supporting longitudinally spaced sections of said belt in adjacent relation and in longitudinally curved form opposite said device whereby cross-sectionally tapered deposits are overlapped on such longitudinally curved sections and means supporting said belt in at least a partially straightened form, subsequent to spraying of metal thereonto, whereby to facilitate stripping of the spray deposited layer from said belt to produce flexible strip metal.

2,598,345
SYSTEM FOR CONCENTRATING LIQUIDS
Carl S. Brown, Lakewood, Ohio, assignor to Glascote Products. Inc., Cleveland, Ohio, a corporation of Ohio
Application November 3, 1950, Serial No. 193,934
2 Claims. (Cl. 159—44)

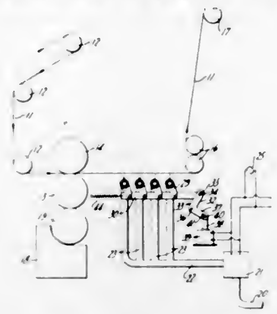


1. In an apparatus for continuously condensing liquids having a vacuum pan provided with means for heating the liquid contents of the pan, a liquid outlet at the bottom of the pan, a liquid inlet intermediate the ends of the pan and means for developing a predetermined pressure in the pan including a condenser communicating with the top of the pan, combination of a discharge conduit connected with the pan outlet, a liquid withdrawing means including a pump connected with said conduit to withdrawing fluid from the pan at a variable rate of flow, means responsive to the density of liquid flowing through the discharge conduits to control the rate of flow induced by the withdrawing means, said last-named means including a continuously operating pump having an inlet and an outlet, a conduit connecting said inlet with said discharge conduit intermediate the pan and the withdrawing means, means responsive to density of the flow of liquid induced by said pump to control the withdrawing means, an open top and receptacle to receive the liquid from the pump outlet, a conduit extending from the receptacle to the pan, a valve in said conduit, a float controlled means operatively connected to open said valves when the level of liquid in the receptacle rises above a predetermined point whereby such liquid will return to the pan, a liquid storage tank, a supply conduit extending between the storage tank and the pan inlet, said tank and conduit being positioned to cause liquid to flow therefrom into the pan under the influence of gravity, a pair of pressure responsive devices, a conduit extending from one of said devices to the top of the pan, a conduit extending from the other of said devices to the bottom of the pan, and means responsive to both of said devices to control the flow of liquid through the supply conduit.

2,598,346
AUTOMATIC GAS SHUTOFF DEVICE FOR PRINTING PRESSES
William F. Burke and Robert L. Essex, Athens, Ohio, assignors to The McBee Company, Athens, Ohio, a corporation
Application September 8, 1947, Serial No. 772,673
5 Claims. (Cl. 101—416)

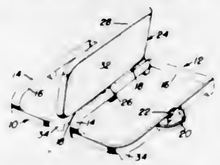
1. A printing press, including means comprising an electric motor for feeding paper, a burner having an outlet disposed adjacent the paper as it is being fed through the press for heating said paper, closure means adapted to close said outlet and completely extinguishing the flame at the outlet, and means in the same

electric circuit as said motor for holding said closure means open in response to passage of



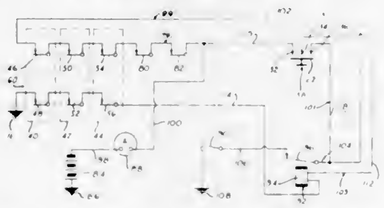
current through said circuit, and means for shifting said closure means to outlet closing position upon opening of said circuit.

2,598,347
FLATIRON SUPPORTING AND CLEANING DEVICE
Charles Butera, Los Angeles, Calif.
Application November 13, 1950, Serial No. 195,309
4 Claims. (Cl. 38—142)



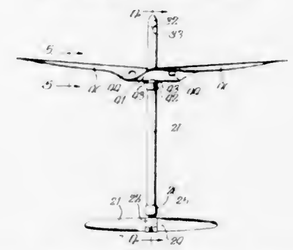
1. A flat iron supporting and cleaning device comprising a pair of substantially rectangular frame members, means hinging said members together and permitting one of the members to be folded over the other of the said members and a rigid surface cleaning and polishing member also attached to said frame members by said hinge means, said frame members each having a peripheral seat against which said surface cleaning and polishing member is seated when the frame members are disposed one above the other, said frame members each having an opening through which said surface cleaning and polishing member is exposed when the frame members are disposed one above the other.

2,598,348
CONTROL SYSTEM FOR TAXICAB METERS
Oscar Butler, Kansas City, Mo.
Application November 8, 1948, Serial No. 58,887
2 Claims. (Cl. 180—82)



1. In a taxicab having a passenger seat, an ignition circuit, and a meter provided with a flag movable to and from a position for rendering said meter operable; a control system comprising at least one pair of normally closed switches disposed adjacent said seat for movement to and an open position by a passenger as the latter occupies said seat; an electric circuit having a normally open make and break mechanism therein, one of said switches and said mechanism being in series with said ignition circuit, said mechanism being operably connected with said flag for movement to a closed condition when the flag is moved to said meter-operating position, whereby to energize the ignition circuit while said passenger is on the seat; and structure operably joined with the other of said switches for breaking the ignition circuit upon movement of the passenger from said seat while the flag is in said position, said structure including an electric circuit in series with said other switch and having a relay therein, said relay including make and break mechanism disposed in the ignition circuit.

2,598,349
TOY HELICOPTER
Roy R. Carrington, Fulton, Mo.
Application September 17, 1946, Serial No. 697,491
6 Claims. (Cl. 46—75)

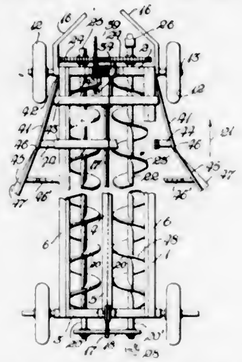


1. A toy helicopter comprising a body structure, a lower bladed rotor rotatably mounted on the lower end of said structure, a drive motor mounted in said body structure and connected to said rotor and said body structure to effect opposite rotation thereof, a flexible U-shaped member having a central portion rigidly secured to the upper portion of said body structure and flexible arms extending upwardly, and a pair of transversely tiltable elongated blades fixed at their inner ends to the upper ends of said arms, the longitudinal axes of said blades extending substantially perpendicularly with respect to the plane of movement of said flexible arms whereby said arms tend by centrifugal force to bend outwardly under the driving force of said motor to increase the pitch of said blades.

2,598,350
AUGER TYPE TRENCHING MACHINE
Daniel J. Carroll, Saskatoon, Saskatchewan, Canada
Application May 19, 1949, Serial No. 94,078
1 Claim. (Cl. 37—81)

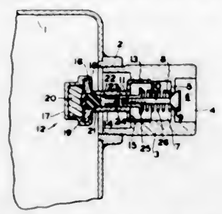
A trenching machine including an associated source of power, comprising in combination a mobile superstructure having two pairs of wheels in spaced line abreast, one pair of wheels being at the front end of said superstructure, the other pair of wheels being at the rear end of said superstructure, a towing yoke rigidly secured to the front end of said superstructure and extending forwardly therefrom, an auger assembly pivotally connected by a front auger-shaft carrying

plate in which two auger shafts are supported at the forward end thereof, to the front end of said superstructure for rotation in a vertical plane between operative and inoperative positions, stub axles on each end of said front carrying plate, said front pair of wheels being detachably mounted for rotation upon the outer ends of said stub axles, said stub axles being journalled for partial rotation within the side members of said superstructure, a rear auger-shaft carrying plate, said auger-shafts being supported in said rear carrying plate, a centrally located supporting rod mounted between said carrying plates, one of said auger-shafts being on one side of said supporting rod and one upon the other



side of said supporting rod, spur gears secured to the front ends of each of said auger-shafts and meshing one with the other, drive means extending between said source of power and one of said auger-shafts, said spur gears constituting means for effecting opposite rotation of said augers, the right hand auger rotating clockwise and the left hand auger rotating counter-clockwise when viewed from the rear ends thereof, and a pair of rearwardly diverging earth moving boards secured to said superstructure, one of said pair of boards being located on each side of said superstructure and at the front end thereof, said boards including hinged rear portions for adjusting the deflecting characteristics thereof.

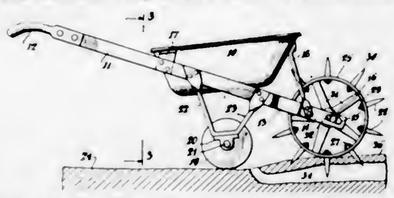
2,598,351
THERMOSTATIC VALVE
Franklyn Y. Carter, Dearborn, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 30, 1948, Serial No. 24,189
7 Claims. (Cl. 236—93)



1. A thermostatic valve comprising a plug closure member for a threaded aperture and having a passageway therethrough including an enlarged internally threaded portion, said closure member having an externally screw-threaded portion, a tubular guide member extending from said closure member concentric with said threaded portions, said guide member having an enlarged end portion threadedly secured in said threaded passageway portion and forming therewith a chamber and having apertures for flow through said passageway, valve means having a piston reciprocally guided in said guide member and having a valve member, a valve seat having a valve port open to said passageway and receiving said valve member for controlling flow therethrough, a coil spring in said chamber and held under compression against said valve means to urge said valve member against said seat, a thermostatic power element carried by said guide member and containing a thermostatic material having a low rate of expansion both below and above a predetermined temperature range, a second motion transmitting piston arranged to be actuated by said power element and spaced from and engageable with said first-named piston upon predetermined expansion of said thermostatic material, and a second spring cooperable with said second piston and operable to return the same to its initial position spaced from said first-named piston upon contraction of said thermostatic material.

2,598,352
APPARATUS FOR DESTROYING GROUND MOLES
John R. Cassell, New York, N. Y.
Application February 18, 1948, Serial No. 9,282
2 Claims. (Cl. 43—124)

1. An apparatus for destroying a ground mole located in a tunnel beneath the surface of the ground and beneath a ridge rising above said surface and over said tunnel comprising a wheel, a shaft supporting said wheel, a single row of straight and spaced flat blades fastened to and extending outwardly from the felley of the wheel in substantial alignment and terminating in

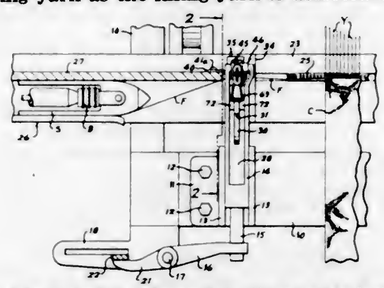


sharpened transversely curved chisel-like edges, a roller positioned rearwardly of said wheel and having a width appreciably greater than that of said wheel and a pair of spaced propelling shafts extending rearwardly of the apparatus and connected to said roller, said propelling shafts being bent inwardly adjacent their forward ends and terminating in spaced and parallel extensions carrying said wheel shaft.

2,598,353
FILLING DETECTING DEVICE FOR LOOMS
John H. Chapman, Central, S. C.
Application March 10, 1951, Serial No. 214,865
4 Claims. (Cl. 139—377)

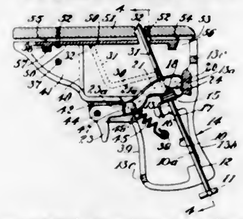
1. An improvement in a filling detecting mechanism for a loom having a lay and a shuttle box and a grate carried by the lay and said grate having openings therein past which a filling yarn normally extends upon a detecting beat of the lay, said loom also having a movable actuator head, said improvement comprisng a tiltable tensioning element carried by the filling detecting mechanism, means on the tensioning element

registering with the openings in said grate upon a detecting beat of the lay, a tiltable detecting element carried by the filling detecting mechanism adjacent the tensioning element, means operatively connecting the detecting element to the actuator head, and means on the detecting element past and to one side of which said grate moves upon a detecting beat of the lay whereby, upon a filling yarn extending past the grate, the filling tensioning element will tension the filling yarn as the filling yarn is detected by the



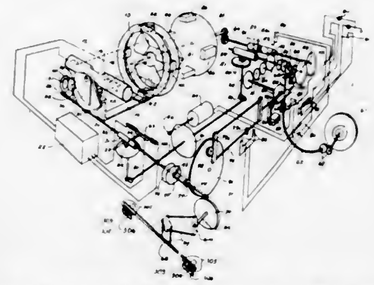
tiltable detecting element to thus cause both the tensioning and the detecting element to be tilted to inoperative position relative to the actuator head and whereby, upon failure of the filling yarn being extended past the opening in the grate and said openings being abnormally restricted during a detecting beat of the lay, the grate will cause the tensioning element to be tilted but will permit the detecting element to remain substantially stationary and in operative position relative to the actuator head.

2,598,354
TOY DISK PROJECTOR
Robert W. Clauss, Riverdale, N. Y.
Application January 12, 1949, Serial No. 70,409
4 Claims. (Cl. 124—26)



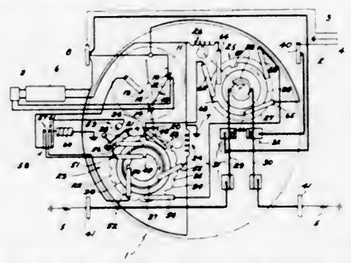
1. In a toy pistol, having a casing with superposed bearing surfaces, a rod supported by said bearing surfaces and having one end extending outside of the casing, and extending at the upper end of the bearing surface at right angles to its axis, and extending upwardly at right angles to said right-angled part, said last named part being parallel with the axis of said rod, and having its free end serving as an impeller, said bearing surfaces being disposed on a line inclined to the vertical, for enabling the impeller end to partake of a curvilinear helical path in respect to the horizontal on the rotation of the impeller end around the axis of the rod in the bearing surfaces, the combination of a trigger lever pivoted to the casing, a spring to hold the trigger in cocked position, and a torsion spring for the rod having one end anchored to the casing and the other end engaging the rod, and engaging the trigger lever when the torsion spring is energized by the rotation of the rod, said trigger lever when moved to uncocked position away from the end of the torsion spring, releasing said spring and enabling its energy to rotate the rod and move its impeller end in said curvilinear path, for projecting a projectile by said impeller end.

2,598,355
PENDULUM COMPENSATED SURVEYING INSTRUMENT
Raymond T. Cloud, Houston, Tex., assignor to North American Geophysical Co., Houston, Tex., a corporation of Texas
Application September 13, 1946, Serial No. 696,739
4 Claims. (Cl. 33—220)



1. In a device for determining differences in elevation between separate points on the earth's surface a pendulum in the form of an unsymmetrical disc operably mounted to provide a vertical reference co-ordinate, an acceleration compensator including a magnet carrier rotatably mounted in axial alignment with the pendulum, magnets connected to the carrier in such manner as to impose a magnetic flux about the pendulum rim and means to rotate the carrier solely in response to acceleration and deceleration of the device, the directional sense of rotation in each instance being opposite to that which would be imparted to the pendulum by such acceleration change, the arrangement of the magnets and the means to rotate the carrier being such as to provide a torque acting on the pendulum equal and opposite to that due to acceleration or deceleration of the instrument.

2,598,356
REMOTE SWITCH CONTROL
William G. Coe, East Stroudsburg, Pa., assignor to McGraw Electric Co., Milwaukee, Wis., a corporation of Delaware
Application November 19, 1949, Serial No. 128,385
6 Claims. (Cl. 177—353)



3. A receiver for a remote control system for connecting an electric power line to a load, said

receiver comprising a signal filter arranged to pass a signal having a carrier current of a predetermined frequency transmitted over said power line, a sensitive relay actuated by energy passed through said filter and including a first and a second contact and movable means arranged to be moved by energy passed by said filter, said movable means being arranged to selectively engage said first or said second contact and being connected to said power line, a timer including a self-starting synchronous motor normally connected to said first contact, said movable means and said first contact being arranged to be held in contact with each other temporarily and said movable means being biased towards its initial position, a wiper for wiping said means from said first contact and having a portion constituting said second contact, a load switch motor for operating a load switch, said timer having means for connecting said load switch motor to said power line, effective only after said first contact has been engaged by said movable means a plurality of times with a given time spacing, conducting means forming a portion of said timer for causing the continuous operation of said timer for one complete cycle after the initial engagement of said first contact by said movable means, and a lock-out relay for preventing actuation of said load switch motor when said movable means engages said second contact while a signal is being transmitted along said power line.

2,598,357
LIQUID DISPENSING AND ILLUMINATING DEVICE FOR BOTTLES
Lester I. Coleman, Brooklyn, N. Y.
Application June 11, 1949, Serial No. 98,581
1 Claim. (Cl. 222—113)



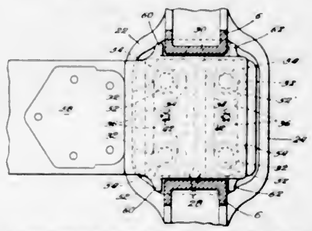
A combined flashlight and bottle liquid dispenser comprising a stopper adapted to fit the neck of the bottle, a dispensing member comprising a horizontal and a vertical portion, the latter passing through the stopper, and said horizontal portion having a large central chamber open at one end and extending from said open end to the other end, said portions having air and liquid passages, one of the passages extending upwardly through the vertical portion and forwardly through the horizontal portion towards the open end of said center chamber, a metal casing disposed in the center opening of the horizontal portion and having a threaded portion disposed adjacent to the open end of said center chamber and adapted to receive a lamp bulb, the latter being inserted into said threaded projection and extending outwardly thereof into the open end of said center chamber, said center chamber forming a mouth adjacent its open end and said liquid passage of the horizontal portion as well as said lamp bulb extending into said mouth of said center chamber whereby rays of light will be directed through the mouth and said open end through which the liquid is dispensed, said metal casing being internally threaded at its opposite end, a battery slidable in said casing and having a terminal adapted to engage with the lamp bulb whereby to establish an electric circuit therethrough, depressible means connected to the threaded end of the metal casing and operable to engage the battery and to slide the same into engagement with the lamp bulb, said other passage being adapted to direct air to the top of the liquid in the bottle extending upwardly through the stopper portion and rearwardly along the horizontal portion.

2,598,358
COLLATING WRITING BOARD
Roger Connor, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation
Application August 9, 1948, Serial No. 43,261
2 Claims. (Cl. 282—29)



1. A collating writing board, comprising a flat, rigid member having a longitudinal groove formed therein near one side thereof, a rack formed in said rigid member parallel to and outwardly of said groove, a clamp having opposed jaws pivotally connected and resiliently urged to closed position, said clamp having a base portion seated and slidable in said groove, a pinion for engagement with the rack, and means for mounting the pinion on the clamp yieldably urging said pinion into engagement with the rack to urge the pinion to assume a position with two of its teeth in simultaneous engagement with the rack, whereby the pinion and therefore the clamp may be advanced in a step-by-step detenting fashion.

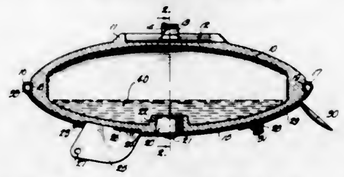
2,598,359
CAR TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 22, 1947, Serial No. 770,063
19 Claims. (Cl. 267—3)



5. In a railway car truck, a side frame comprising tension and compression members, spaced columns merging with said members and defining a bolster opening therewith, a bolster in said opening, and a hydraulic spring group in said opening between said bolster and said tension member affording a resilient support for said bolster comprising upper and lower members, the lower of said members comprising chambers having all the available space filled with liquid,

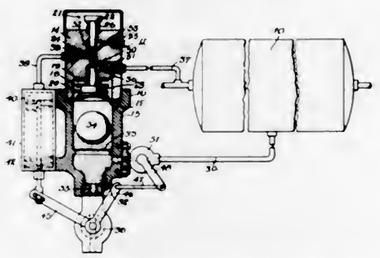
the upper of said members comprising independent stems adjacent said columns in rockable engagement with the bolster, each stem extending into an adjacent chamber for reciprocation therewithin and upon movement into said chambers being adapted to compress said liquid to achieve resilience, a piston head in each chamber connected to the associated stem for reciprocation therewith, and metering means in each head for metering said fluid upon movement of the associated stem to control the movements thereof and thereby the movements of said bolster.

2,598,360
FISH LURE
George A. Cummins, Tulsa, Okla.
Application October 7, 1946, Serial No. 701,647
17 Claims. (Cl. 43—42.08)



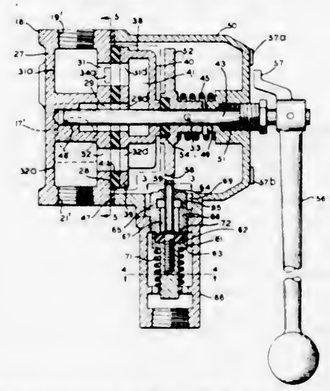
1. In a fish lure, an elongated body dimpled at its two ends, and a removable frame adapted to be positioned longitudinally of the body and in contact therewith throughout substantially its entire length, said frame having spring clip extensions adapted to seat in the dimples when the frame is thus positioned thereby to releasably secure the frame on the body, said frame having thereon a device to which a fish line is connectable.

2,598,361
DRAINAGE VALVE
Max Dach, Flushing, N. Y.
Application August 21, 1945, Serial No. 611,859
1 Claim. (Cl. 137—103)



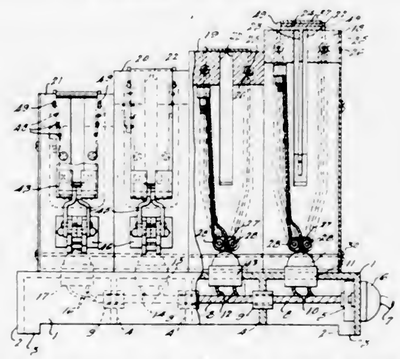
A device of the character described comprising a body having a chamber therein, a liquid inlet into said chamber, a valve on said inlet, a drainage outlet on said chamber and a valve for said outlet, an air cylinder on said body and a piston in said cylinder, linkage between said piston and said drainage and inlet valves whereby one of said valves is opened as the other is closed, an air line for said piston and a magnetic valve positioned in said line normally closing it, said magnetic valve being positioned above said liquid chamber, a magnetic float in said chamber which when raised sufficiently by the level of liquid in the chamber will operate upon the magnetic valve to open the air line to the piston to cause said piston to open said drainage valve and to close the liquid inlet valve.

2,598,362
MULTIPORT ROTARY PLATE VALVE
Lee G. Daniels, Rockford, Ill.
Application November 28, 1945, Serial No. 631,453
26 Claims. (Cl. 251—90)



1. A multi-port rotary plate type valve having, in combination, a stator member having a face provided with multiple ports and a center inlet opening, a rotary member having a center inlet opening registering with said center inlet opening in the stator member, and having an enclosed passage and ports that open into the interior of the passage, and having other ports that are open completely through the rotor member, the stator and rotor members having confronting faces, means including a stem for rotating the rotor member to preselected positions in relation to the stator member to give different registration of the ports, a cover on the stator member enclosing the rotor member, a waste outlet in the cover, a waste outlet valve for opening and closing said waste outlet, and means operated by rotative movement of the stem for actuating the waste outlet valve.

2,598,363
BONDING APPARATUS
John L. Davis, Ann Arbor, Mich.
Application August 24, 1950, Serial No. 181,162
4 Claims. (Cl. 154—1)



1. A machine for bonding brake shoes to brake linings comprising a supporting base member having at least one electrical outlet in the upper surface thereof, at least one metallic brake shoe supporting anvil releasably mounted on said

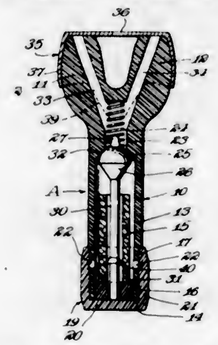
base member, each anvil being of arcuate form and having an arcuate exterior surface adapted to receive the brake shoe to be relined, each anvil having a slot extending inwardly from said arcuate surface to receive the web of the brake shoe, insulated heating elements disposed adjacent said arcuate surface on opposing sides of said slot and completely encased by the metal of each anvil, releasable means for electrically connecting the heating elements of each anvil with the respective electrical outlet in the base, means mounted on each anvil for maintaining a brake shoe in assembled relation to a segment of lining, clamping means including a flexible metallic clamping strap resiliently anchored to each anvil at one end and adapted to overlie the brake shoe and lining thereon and urge the same into intimate engagement with each other and with their respective anvil, toggle means mounted on each anvil and engageable with the free end of the strap on each anvil to releasably hold the same during bonding, and a thermostat carried by each anvil and in circuit with the heating elements thereof for controlling the temperature.

2,598,364
FILM GATE FOR MOTION-PICTURE PROJECTORS
Raymond Fernand Adrien Valentin d'Avitaya, Marseille, France
Application March 29, 1949, Serial No. 84,034
In France May 7, 1948
3 Claims. (Cl. 88—17)



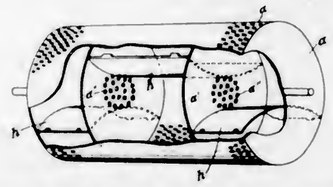
1. A film gate for film projecting apparatus, comprising in combination a longitudinal frontal guide plate and a longitudinal rear guide or pressure plate cooperating therewith; said plates conforming to the film passing in between and each having a projection opening in its middle portion coaxial with the optical center line of the projection light beam; the film contacting surface of said frontal plate being flat in its film receiving upper portion and gradually passing into a convex surface in the middle portion thereof; said convex surface portion having its marginal portions bent back out of the plane of said flat surface portion; the film contacting middle surface portion of said rear plate being concavely bent with a smaller radius of curvature than the opposite convex surface portion of said front plate to contact the film along its marginal edges; the film receiving upper surface portion of said rear plate being flat essentially in the same plane as the longitudinal center line of its concave middle surface portion and spaced from the opposite flat surface portion of the front plate; and longitudinal marginal ribs on the flat surface portion of the rear plate to contact the film and to hold the same against the edges of the front plate; said ribs gradually rising from the said flat surface portion in the direction of the film motion and finally merging with the concave surface of the middle portion of the rear plate.

2,598,365
INHALER
Oliver J. Dufresne, St. Paul, Minn.
Application April 27, 1949, Serial No. 89,929
5 Claims. (Cl. 128—200)



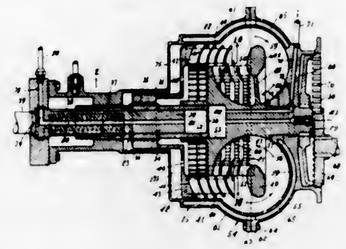
1. An inhaler including a tubular body having a bifurcated end, a pair of diverging outlet passages through said bifurcated end, a recess communicating with both said diverging passages, a relatively larger diameter recess extending from said first named recess to the other end of said body, a valve seat formed between said two recesses, a valve engageable with said valve seat, a valve stem on said valve, a cap threaded on said body for closing the other end thereof, said body having openings through the end thereof normally closed by said cap, said openings being open when said cap is partially disengaged, movement of said cap imparting a movement to said valve stem and said valve.

2,598,366
APPARATUS FOR CLEANING OR TREATING CLOTHES OR THE LIKE
William E. Edwards, Leigh, England, assignor to Sutcliffe, Speakman & Company Limited, Leigh, England, a British joint-stock corporation
Application May 9, 1947, Serial No. 747,015
In Great Britain November 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 28, 1964
9 Claims. (Cl. 210—63)



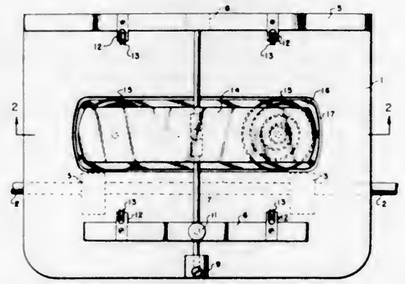
1. Apparatus for the cleaning or treating of clothes or like materials by washing, centrifuging, drying, dry-cleaning or dyeing, comprising a perforated rotatable casing divided by two transversely extending partitions into three compartments, of which the middle compartment has twice, or approximately twice, the capacity of each of the end compartments and clamping devices mounted within said compartments rotatably together with said casing for clamping the materials in said compartments on the inner surface of said casing at diametrically opposite positions in adjacent compartments.

2,598,367
ROTARY HYDRAULIC COUPLING
Harlan N. Fiser, Pittsburgh, Pa.
Application November 10, 1948, Serial No. 59,207
6 Claims. (Cl. 60—54)



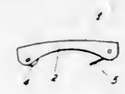
1. A hydraulic coupling comprising a rotor, means for rotating said rotor, an annular peripheral chamber formed in said rotor defined by the body of the rotor and a ring of ovate cross section fixed to the rotor at spaced apart points, a plurality of annular spaced apart rings for directing hydraulic fluid, said rings being spaced between the body of the rotor and the ovate ring, said rings having outer edges terminating on a common line substantially parallel to the axis of the rotor and inner edges terminating on a common line intermediate the rotor axis and the outer edges and substantially parallel thereto, a plurality of curved vanes transverse to said rings and attached thereto and to the body of the rotor and the ovate ring for impelling hydraulic fluid, fluid receiving means slidably surrounding the rotor, said fluid receiving means receiving fluid from the rotor and being driven thereby, and means for sliding the fluid receiving means.

2,598,368
SELF-ADJUSTING BOOKHOLDER
Thomas J. Flahive, Chicago, Ill., assignor of thirty per cent to Joseph Karwacki, Chicago, Ill.
Continuation of application Serial No. 744,067, April 26, 1947. This application February 25, 1948, Serial No. 10,761
11 Claims. (Cl. 45—86)



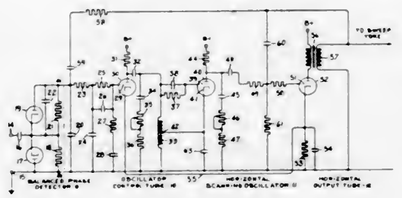
1. A book holder comprising a base having upwardly projecting head and bottom stop members adapted to confine the upper and lower ends respectively of a book positioned between them, inwardly extending retaining means on said stop members adapted to overlie the upper and lower margins of the book respectively, a transversely extending adjusting member disposed between said stop members and adapted to tilt laterally on an axis lying parallel with the plane of said base, means to support said adjusting member on said base, and laterally spaced yieldable upwardly bearing means on the upper side of said adjusting member adapted to support a book positioned above the adjusting member and between said stop members.

2,598,369
BELT BUCKLE
Giuseppe Grandi, Milano, Italy
Application March 8, 1949, Serial No. 80,338
In Italy March 12, 1948
2 Claims. (Cl. 24—170)



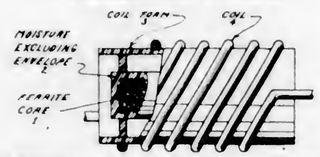
1. A buckle for clasping the free end of a belt or the like comprising a body portion having a front wall and a pair of depending side walls; a shaft fixedly mounted between said side walls at one end of said body portion; a roller rotatably and eccentrically mounted on said shaft for movement toward and away from the underside of said front wall; a pair of opposed abutment surfaces formed at one end of said shaft; and a forked spring member secured to a respective end of said roller and having a pair of arms normally engaging said abutment surfaces for releasably maintaining said roller in its position of maximum separation from the underside of said front wall in order to allow insertion of the free end of the belt between the underside of said front wall and said roller.

2,598,370
BALANCED PHASE DETECTOR
Wolf J. Gruen, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application April 16, 1949, Serial No. 87,862
14 Claims. (Cl. 250—36)



1. A balanced phase detector circuit comprising a load circuit, a pair of peak detector circuits connected in series opposition across said load circuit, a first source of signal voltage of predetermined fundamental frequency, means including said load circuit for connecting said peak detector circuits in parallel across said first source of signal voltage, a second source of signal voltage of the same predetermined fundamental frequency, means for connecting said second source of voltage across said load circuit, and means for deriving from said load circuit a control voltage which varies in accordance with changes in the relative phase of said first and second voltage sources.

2,598,371
COATED FERROMAGNETIC CORE ELEMENT
Frederik Hendrik Gusdorf, Eindhoven, Netherlands, assignor to Hartford National Bank & Trust Co., Hartford, Conn., as trustee
Application September 19, 1945, Serial No. 617,437. In the Netherlands May 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 7, 1963
7 Claims. (Cl. 117—135)

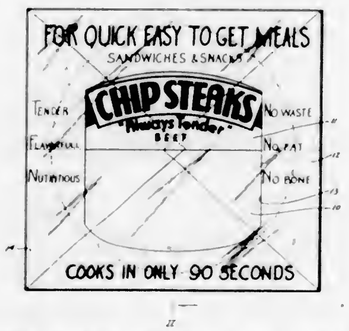


1. A ferromagnetic core element comprising a porous body of sintered powdery ferrite material, and an adherent envelope of a moisture-excluding material enclosing said body.

2,598,372
PRODUCTION OF POLYMERIC COMPOUNDS FROM ANHYDROCARBOXY - ALPHA-AMINO-CARBOXYLIC ACIDS IN NITRO-BENZENE
William Edward Hanby, Stephen Gerald Waley, and James Watson, Maidenhead, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application May 1, 1950, Serial No. 159,392. In Great Britain May 20, 1949
3 Claims. (Cl. 260—77.5)

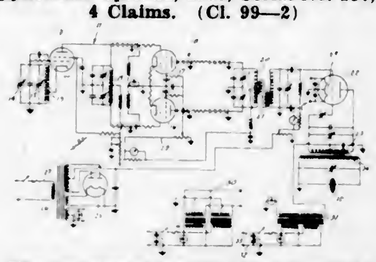
1. A process for the production of polypeptides by polymerising an anhydrocarboxy-alpha-amino-carboxylic acid in the presence of an initiator having an active hydrogen atom, wherein the polymerisation is effected in nitro-benzene as a solvent for the anhydrocarboxy-alpha-amino-carboxylic acid and for the polypeptide, and the initiator is used in a proportion such that the molecular ratio of initiator to anhydrocarboxy-alpha-amino-carboxylic acid is 1 to at least 350, whereby the product obtained is fibre-forming.

2,598,373
COMMODITY PACKAGE
George H. Harry, Buffalo, N. Y.
Application February 9, 1950, Serial No. 143,196
1 Claim. (Cl. 99—174)



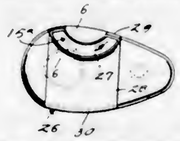
A meat package comprising an opaque inner wrapper for the commodity, said inner wrapper having a bottom portion extending over substantially the entire bottom surface of the commodity and a top folded-over portion extending over a portion of the top of the commodity to expose a substantial portion of the commodity to view and presenting a surface on the wrapper for the imprinting of descriptive matter to view, an individual substantially flat opaque stiffening member of substantially the same dimensions as the lower portion of the inner wrapper disposed over and in intimate contact with the top of the commodity and the top portion of said inner wrapper only, said member having its edges entirely free throughout and having a central opening therein for exposing the imprinted portion of the top of the inner wrapper and the portion of the exposed area of the commodity, said stiffening member presenting an exposed surface for receiving printed matter, and an outer transparent wrapper completely enclosing the inner wrapper, stiffening member and the commodity.

2,598,374
PROCESS OF TREATING TOMATO JUICE
Richard A. Havens, Billy E. Orr, Perie R. Pitts, Jr., and Robert W. Cunningham, Indianapolis, Ind.; said Orr, said Pitts, Jr., and said Cunningham assignors to said Havens
Application April 21, 1950, Serial No. 157,314
4 Claims. (Cl. 99—2)



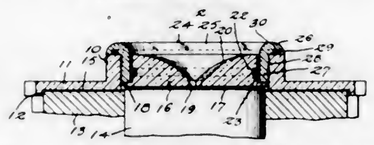
1. The process of treating tomato juice which comprises: generating supersonic sound waves of sufficient power to penetrate tomato juice for an appreciable distance and thereafter subjecting all portions of a mass of tomato juice to said supersonic sound waves with an amplitude sufficient to break a substantial portion of the cell structure of said tomato juice and release the contents of the broken cells, at least partially to gelatinize the treated juice.

2,598,375
LUMINOUS ATTACHMENT FOR THE COVER PLATE OF VEHICLE LOCKS
Bernard Heinz, Scranton, Pa.
Application August 14, 1950, Serial No. 179,353
1 Claim. (Cl. 250—76)



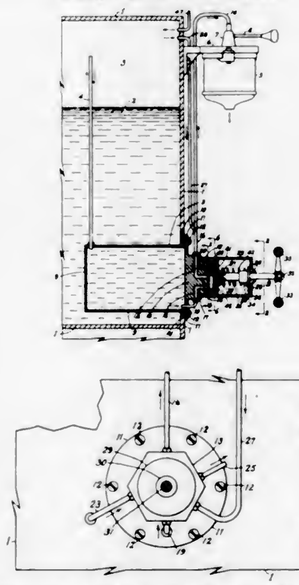
In combination, a spring-pressed cover plate for a door lock having an arcuate cutout in one edge thereof, a segmental holder including flanges extending inwardly toward each other from the arcuate edges thereof fixed to said plate with the concave side thereof flush with said cutout, a segmental receptacle in said holder, a cushion element in said holder, a luminous element seated on said cushion element in said receptacle, and a transparent member in said holder overlying said luminous element and engaging on the outer side of said receptacle, said flanges securing said transparent member and hence said luminous element, cushion element and receptacle in said holder.

2,598,376
LUMINOUS ATTACHMENT FOR DOOR LOCKS
Bernard Heinz, Scranton, Pa.
Application May 28, 1951, Serial No. 228,691
4 Claims. (Cl. 250—76)



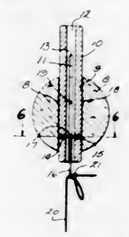
1. A luminous attachment for a lock having a lock housing and a lock barrel, said attachment comprising an annular base member adapted for fixed attachment to the lock housing, a key guide having an outer annular flange and formed with a convex outer end, a retaining ring threaded onto said base member and engaging loosely about said guide, a luminous element carried by said guide, and a luminous element carried by said ring.

2,598,377
PRESSURE FEEDER DEVICE FOR INFUSION STRAINERS
Juan Hernandez Herrera, Habana, Cuba
Application August 31, 1949, Serial No. 113,264
In Cuba June 11, 1949
1 Claim. (Cl. 222—394)



A pressure feeder device for feeding a predetermined volume of hot water from a steam boiler to a point of use, comprising in combination with the steam boiler; a closed container secured to said boiler and inserted within the water space thereof through an opening in the peripheral wall thereof; means establishing communication between the steam space of said boiler and said container; a multiple-way valve; conduit means establishing communication between said valve and said point of use; said valve comprising a hexagonal member formed integrally with the outer wall of said container, said hexagonal member having an outer cylindrical extension and a plurality of conduits all opening at the outer face of said cylindrical extension and communicating respectively with the water space of said boiler, with the steam space of said boiler, with said container, with said conduit means and with the atmosphere, a cylindrical casing detachably secured to said cylindrical extension, a rotatably cylindrical member fitted within said casing and having its inner face positioned adjacent the outer face of said cylindrical extension, said cylindrical member having in its inner face a straight groove and a curved groove adapted to separately inter-communicate two groups of two of said conduits in said hexagonal member, and manually operated means connected to said cylindrical member and mounted on said casing for rotating said cylindrical member; and means for supplying compressed air to the steam space of said boiler; whereby upon step-by-step positioning of said cylindrical member of said valve feeding takes place as follows: hot water is fed under pressure from said boiler to said container and at the same time communication is established between said conduit means and atmosphere; steam is fed from said boiler directly to said conduit means; and hot water is fed under pressure from said container to said conduit means.

2,598,378
FISHING BOBBER
Denson H. Hodges, Chicago, Ill.
Application July 31, 1947, Serial No. 764,955
4 Claims. (Cl. 43—44.92)

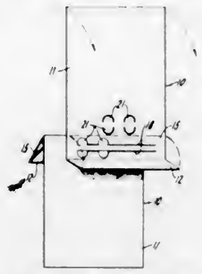


2. In a fishing bobber, the combination with a slotted stem of a line guide suspended within and extending from the lower extremity of said stem and provided with a line loop, a support member in the stem spanning the slot and supporting the line guide for swinging movement outwardly of the stem in the plane of the slot to expose said line loop, and a float axially reciprocable on the stem to and from a position encompassing said line guide, whereby to restrain it from swinging outwardly of said stem.

2,598,379
SPREAD SHEET
Hunter E. Hooe, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation
Substituted for abandoned application Serial No. 739,451, April 4, 1947. This application April 4, 1951, Serial No. 219,195
1 Claim. (Cl. 129—16.5)

A spread sheet comprising a plurality of component sheets, each component sheet compris-

ing a body portion upon which characters may be inscribed, adjacent outer and inner flaps integral therewith, said inner flap being provided with a pair of parallel slots, and a plurality of pairs of oppositely disposed and hinged tabs formed in the body portion adjacent the inner



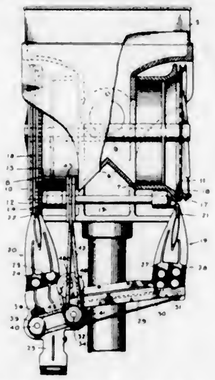
flap, adjacent pairs of component sheets being slidably interconnected by reception of the tabs of one sheet within the slots of the other sheet, and the outer flap of each component sheet being folded back against the tabs of an adjacent sheet.

2,598,380

CROWN CAP FEEDING MEANS

John Wesley Hoffecker, Wilmington, Del., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application July 16, 1946, Serial No. 683,956
7 Claims. (Cl. 226—88.1)



1. In crown cap feeding means, a chute through which the caps are conveyed, a conveyor movable along one wall of the chute and having only frictionally engaging conveying contact with caps therein in a manner for conveying the caps uprightly on edge through the chute, and a rotary agitator disposed opposite said conveyor and having a spring finger swingable into the chute and in a direction opposite the direction of movement of said conveyor upon each rotation of the agitator in position for yieldably engaging edge portions of caps passing individually in processional order through the chute and momentarily retarding movement of said caps by said conveyor.

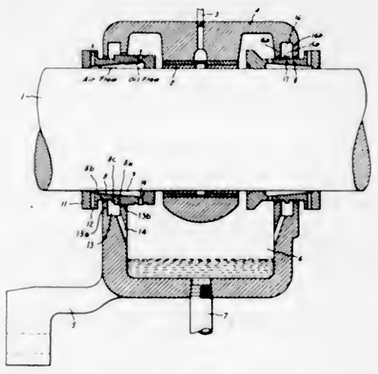
4. In crown cap feeding means, a single file cap feeding chute having an uprightly disposed receiving portion, two uprightly disposed laterally spaced cap feeding chutes one of which is disposed to deliver directly into said single file cap receiving portion, a connecting chute disposed to deliver caps from the other of said two chutes to said single file cap receiving portion, means movable in said connecting chute and engageable with caps therein for aiding in the movement of the caps through said connecting chute, and an agitator rotor means operable opposite said movable means and adjacent the discharge of the connecting chute into said single file cap receiving portion and intermittently engageable with peripheral portions of caps moving through the connecting chute for momentarily retarding passage of the caps through said discharge.

2,598,381

VENTED SHAFT SEAL

Herbert N. Hoffman, Wakefield, Mass., assignor to General Electric Company, a corporation of New York

Application July 6, 1949, Serial No. 103,208
8 Claims. (Cl. 286—9)



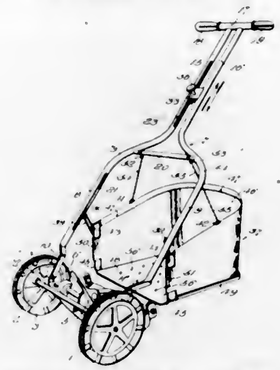
1. In a venting arrangement for a substantially sealed housing having a liquid inside with a high speed shaft projecting through a wall thereof, the combination of a substantially cylindrical sealing member on the shaft, said sealing member and shaft defining an axially extending centrifuge chamber of annular cross-section coaxial with the shaft and smoothly tapering from a smaller diameter at the exterior side of the sealed housing to a larger diameter adjacent the inner surface of the housing wall, the interior end of the sealing member defining first radially extending passages communicating with the major diameter of the centrifuge chamber, the exterior end of the sealing member defining second radially extending passages communicating with the minor diameter of the chamber and discharging into the ambient atmosphere at a substantially greater radius than the inlet to said first passages from the interior of the housing, and sealing means for preventing leakage of fluid between the housing wall and the surface of said sealing member intermediate said first and second passages, whereby centrifugal force causes liquid particles in the centrifuge chamber to be thrown onto said tapered surface and returned into the housing through the first-mentioned passages while gases in the centrifuge chamber are positively pumped out through the second-mentioned passages to induce a flow of fluids through said first passages into the centrifuge chamber and thereby reduce the pressure inside the sealed housing.

2,598,382

GRASS CATCHER FOR LAWN MOWERS

John O. Holden, Pueblo, Colo.

Application February 17, 1947, Serial No. 729,043
6 Claims. (Cl. 56—199)



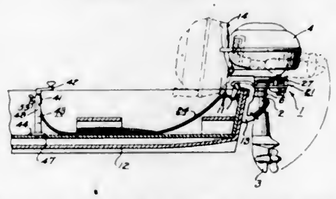
1. A lawn mower handle divided to provide two spaced apart side bars, a grass catcher movably disposed between the side bars and having its forward side movable longitudinally of the side bars, and means carried by the side bars to move the catcher longitudinally of the bars to elevate and lower the forward side thereof, said grass catcher being carried by the handle and being moved to the dumping position by forward swinging movement of said handle.

2,598,383

REMOTE-CONTROL STEERING ATTACHMENT FOR OUTBOARD MOTORS

Werner L. Holzhauser, Ukiah, Calif.

Application February 13, 1948, Serial No. 8,255
7 Claims. (Cl. 74—507)



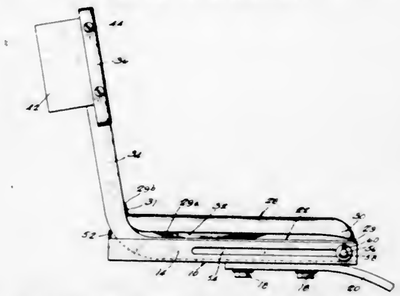
1. A remote control steering mechanism for an outboard motor having a steerable member journalled in a support member, comprising a driven gear element secured to said steerable member, a bracket supported by said support member, a flexible driving shaft having a flexible driving member and a flexible sleeve about said driving member, a bearing secured to one end of the sleeve in which the driving member can turn, a driving gear element secured to said driving member, means for detachably securing said bearing to said bracket to move said driving gear element into and out of engagement with said driven gear element, another bearing secured to the opposite end of said sleeve and through which the opposite end of said driving member projects, a steering control member secured to said opposite end of the driving member, a movable support adapted to be detachably mounted on a boat at any desired position remote from the motor, and means for mounting the latter bearing on the latter support.

2,598,384

TIP-UP SEAT CONSTRUCTION

Elmer J. Huber, Joliet, Ill., assignor to F. Willis McGuire and Julius Ruben, Chicago, Ill., as trustees

Application May 24, 1947, Serial No. 750,228
5 Claims. (Cl. 155—51)



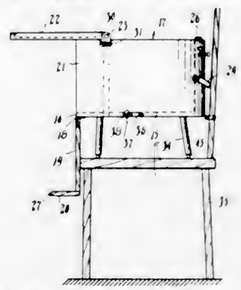
5. A seat construction comprising a frame bar having means for securement to a vehicle in a substantially horizontal position, a seat member supported on said frame bar having a central portion overlying said frame bar and movable to a forward position of use and to a rearward position of nonuse, said seat member having a forward edge portion extending transversely of said frame bar, a rigid connector hinged to the underside of said central portion of said seat member at one end and hinged to an upper surface of said frame bar at the other end whereby said central portion describes the arc of a circle when moved between said use and nonuse positions, said connector being hinged to said central portion at a point forwardly of the point at which it is hinged to said frame bar when in said position of use, a guide track in a forward portion of said frame bar extending longitudinally thereof, and means for pivotally securing a forward portion of said seat member adjacent said forward edge within said guide track and adjacent the upper surface of said frame bar whereby said forward portion rides therealong during said movement thus effecting tilting of said seat member upon movement to said position of nonuse and whereby the forward edge is retained adjacent the upper surface of said frame bar at all times during said movement.

2,598,385

BABY CHAIR CONVERTIBLE INTO SATCHEL

Clifford John Hume, Toronto, Ontario, Canada

Application March 17, 1947, Serial No. 735,115
10 Claims. (Cl. 155—41)



7. In a baby chair, a seat having elongated holes therethrough, a side wall providing wings

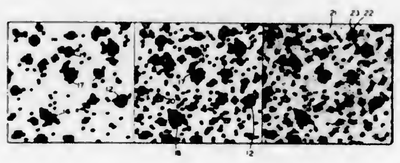
and a back, said side wall being composed of spaced vertical walls, a top wall and a bottom wall jointly defining a chamber, said bottom wall having elongated holes in alignment with said holes in said seat and communicating with said chamber, legs individually inserted in said holes to telescope within said chamber, said legs being of a circular cross section and of a diameter slightly less than the width of said holes, and rod-like elements fixed in said chamber, each depending angularly toward a hole and adapted to engage in a recess provided in the upper end of the leg which is lodged in the respective hole, each recess being disposed eccentrically of the axis of its leg whereby the leg when turned is caused to be clamped in the hole in a projecting angular disposition for support of the chair.

2,598,386

METHOD OF BLOCK PRINTING SURFACE COVERINGS

Harry S. Humphreys, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application December 6, 1949, Serial No. 131,300
7 Claims. (Cl. 101—211)



1. In a method of block-printing surface coverings in simulation of spatter designs with flat printing blocks having printing surfaces of substantially regular geometrical outline, the steps comprising printing upon a supporting web spatter-color-representing paint of one color in random arrangement with a flat printing block having printing surfaces of substantially regular geometrical outline, printing upon said web with a similar printing surface spatter-color-representing paint of another color with some only of said second printed portions overlapping the edges of some only of said first printed portions to provide a plurality of spatter-color-representing areas of each color disposed in spaced relationship on the backing and other spatter-color-representing areas in edge-overlapping relationship on the backing, and printing background paint with similar printing surfaces upon said web with the wet spatter-color representing and background paints irregularly overlying one another at their zones of juncture and providing irregular edges of substantially non-geometrical outline on substantially all of the randomly arranged spatter-color-representing areas.

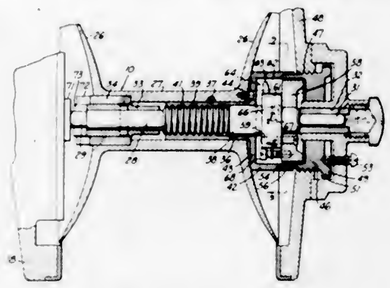
2,598,387

MOMENTUM CONTROLLED BRAKE FOR FISHING REELS

Clyde L. Hunsicker, San Francisco, Calif.

Application September 10, 1947, Serial No. 773,195
4 Claims. (Cl. 242—84.5)

1. In a fishing reel of the casting type having a line spool journaled in a body and clutch means to selectively engage manual means for winding the spool, the improvement comprising releasable braking means for frictionally checking free rotation of the spool, means including a momentum member actuated during a line casting operation to release said braking means at the commencement of a cast and to automatically apply the



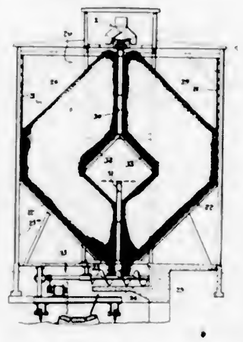
same near the end of a cast to prevent backlash, and means whereby the clutch means locks said braking means in disengaged position when the clutch is engaged.

2,598,388

STORAGE BIN WITH PRESSURE-RELIEVING BAFFLES

Alfred T. Hurter, Montreal, Quebec, Canada, assignor to Stadler, Hurter & Company, Montreal, Quebec, Canada

Application April 16, 1948, Serial No. 21,351
2 Claims. (Cl. 222—459)



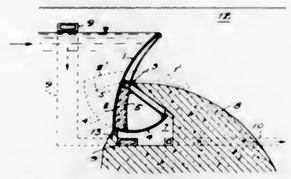
1. A wood chip storage bin provided with a bottom discharge opening and having its ends and the upper portions of its sides defined by straight vertical end and side walls, the opposite sides of the lower portion of said bin being defined by inclined side walls sloping downwardly from the straight vertical side walls and having their lower edges disposed to define the sides of said discharge opening, a lower, straight vertical partition wall extending between the lower portions of the straight end walls of the bin and lying between and in spaced relation to the inclined lower side walls of the bin, an upper straight vertical partition wall extending between the upper portions of the end walls of the bin in spaced relation to the upper portions of the side walls of the bin and pressure relieving baffles inclining downwardly and outwardly in opposite directions from the lower portion of said upper partition wall, each baffle being disposed directly over the portion of the discharge opening lying at one side of said lower partition.

2,598,389

HYDROSTATIC WEIR, GATE, AND THE LIKE

František Jermář, Prague, Czechoslovakia

Application May 5, 1949, Serial No. 91,538
In Czechoslovakia November 29, 1948
6 Claims. (Cl. 61—26)



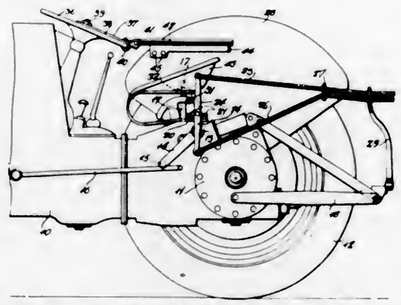
1. A hydraulic apparatus to be located between two different water levels, comprising, in combination, a supporting structure having an upper end portion and being formed with a chamber connected to said upper end portion and opening toward the upstream side of the water at the upper level thereof, said chamber having a lower front wall located adjacent to the upstream end of said supporting structure; a lower gate member pivotally connected adjacent the upper end thereof to said upper end portion of said supporting structure and extending from said upper end portion of said supporting structure to a point immediately adjacent to said front wall of said chamber, whereby said lower gate member forms a movable cover for said chamber on the upstream side thereof; an upper gate member forming a continuation of said lower gate member and extending from said lower gate member in a direction away from said front wall of said chamber; and an arcuate shield member connected at one edge thereof to the lower edge of said lower gate member and extending in the downstream direction from said lower gate member so that said shield member is located within said chamber when said lower edge of said lower gate member is located directly over said front wall of said chamber, the said shield member being formed on an arc which has the pivotal connection of said lower gate member as its center, whereby said shield member cooperates with said front wall to substantially seal the chamber from the water on the upstream side thereof when the upper and lower gate members are rotated about said supporting structure by the water flowing from the upper level to the lower level.

2,598,390

REMOTE CONTROL FOR TRACTORS

Joseph Henry Johnson, Vermillion, Kans.

Application June 9, 1947, Serial No. 753,592
2 Claims. (Cl. 180—77)



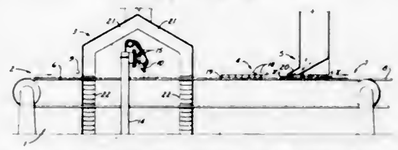
1. In an attachment for a tractor, the combination which comprises a tractor housing, a power lift shaft journaled in said housing, a power lift control arm pivotally mounted in said housing and operatively connected to said power lift shaft, a clutch lever also pivotally mounted in the housing and extended along one side thereof an arm on the power lift shaft having a projection on the end thereof positioned to engage the clutch lever of the tractor, a transversely positioned shaft pivotally mounted on the tractor, an arm on one end of the transversely positioned shaft having a loop in the end thereof for receiving the power lift control arm of the tractor, and a double end lever pivotally mounted at a point intermediate of the ends thereof on the said transversely positioned shaft.

2,598,391

SPRAYING PROCESS

Norman B. Jones, Toledo, Ohio, assignor to The Toledo Plate & Window Glass Company, Toledo, Ohio, a corporation of Ohio

Application November 19, 1948, Serial No. 60,986
3 Claims. (Cl. 117—35)



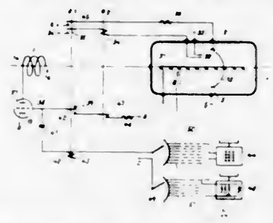
1. A process for producing a silver film on a solid surface comprising the steps of directing toward said surface, to intermingle at said surface, separate sprays of a silver containing solution and a reducing solution adapted to precipitate silver from the silver containing solution, traversing the sprays back and forth along a path parallel to said surface, continuously moving said surface relative to the sprays in a direction parallel to said surface and generally transverse to the back and forth motion of the sprays, so that the spray patterns of successive traverses overlap, the sprays being directed obliquely toward said surface in the direction of the continuous movement of said surface relative to the sprays, whereby the residue of spent spray solutions is driven onto previously sprayed portions of said surface by the force of the obliquely directed sprays.

2,598,392

GASEOUS TUBE SELECTING SWITCH FOR USE IN AUTOMATIC TELEPHONY

Knut Kåeli and Erik Waldemar Hullegård, Stockholm, Sweden, assignors to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden

Application December 23, 1947, Serial No. 793,352
In Sweden January 3, 1947
10 Claims. (Cl. 179—18)



1. A circuit arrangement for a gaseous discharge tube, which within an envelope comprises

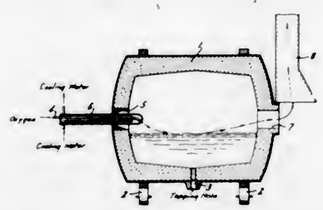
an anode and a cathode connectable to different poles of a current source for producing a string shaped arc between said anode and cathode, an arbitrary number of pairs of contact electrodes between said anode and cathode across any pair of which the arc discharge may complete a current path and a pair of centering electrodes across which the arc discharge may extend, said contact electrodes and said centering electrodes each consisting of two plates mounted in spaced relation, said arrangement comprising means for generating a magnetic field within said tube, means for changing the force of said magnetic field in order to move said string shaped arc discharge within said tube and to direct the same to any one of said pairs of contact electrodes, said last mentioned means comprising an electron tube controlling the current through said means for generating a magnetic field, and means for stopping the variation of the force of said magnetic field in order to arrest the movement of said string shaped arc immediately upon its touching each of said pairs of centering electrodes.

2,598,393

METHOD IN CARRYING OUT TREATMENT OF MELTED PIG IRON OR OTHER ALLOYED IRON

Bo Michael Sture Kalling, Domnarvet, and Oskar Lennart Lindskog, Borlange, Sweden

Application October 24, 1949, Serial No. 123,304
In Sweden October 25, 1948
10 Claims. (Cl. 75—60)



1. A method of carrying out the treatment of iron alloys with oxygen-containing gases which comprises establishing a molten body of an iron alloy in a reaction chamber which is rotatable about a substantially horizontal axis and is of substantially circular cross-section perpendicular to said axis, said body filling less than half of said chamber and being at least partly covered by a molten slag, rotating said chamber for a period of time whereby said body is agitated but maintained unitary and introducing a gas which is free from combustible components and contains at least 40 per cent of oxygen into the space in said chamber at a point above said body and discharging reaction gases from said chamber during at least a part of said period of rotation, the peripherial speed of said chamber during at least a part of said period of rotation being at least 1 meter per second.

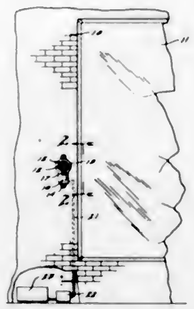
2,598,394

ORDER RECORDING DEVICE

Louis D. Kilgore, Detroit, and Charles Richard Stout, Berkley, Mich.; said Stout assignor to said Kilgore

Application April 10, 1948, Serial No. 20,218
7 Claims. (Cl. 179—6.3)

1. In an order recording device, in combination with a display compartment having a window, including a recording mechanism, a housing containing a microphone, a coin control mechanism and an indicating element, means by which said housing may be attached to the outside surface of the window of said compartment, and



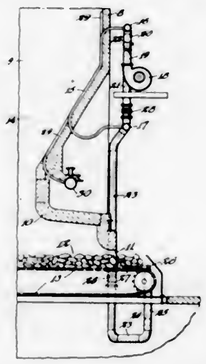
electric conductors extending from said housing to said recording mechanism whereby orders for merchandise displayed in said compartment may be dictated exteriorly thereof into said microphone.

2,598,395

AIR PREHEATER FOR FURNACES

Charles A. Larson, Fergus Falls, Minn., assignor of one-third to Leopold Pistner, St. Paul, and one-third to Geoffrey W. Welch, Fergus Falls, Minn.

Application March 20, 1947, Serial No. 736,053
3 Claims. (Cl. 110—56)



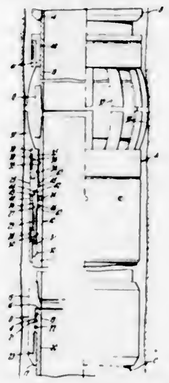
2. In a steam generating furnace having a combustion chamber and spaced parallel water wall tubes exposed to direct radiation from the source of heat within said chamber, a multiplicity of metallic air tubes each extending along, in the space between and in heat exchange relation to adjacent water wall tubes within the combustion chamber and exposed to direct radiation from the source of heat therein, a header communicating with the several air tubes at one end thereof, a blower for supplying relatively cool air to said header and a conduit arranged to receive heated air from said tubes, said water wall tubes limiting by heat exchange the temperature of the air tubes within the combustion chamber.

2,598,396

APPARATUS FOR CEMENTING WELL CASINGS

Francis Hampton Lee, San Pedro, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California

Application February 24, 1947, Serial No. 730,345
14 Claims. (Cl. 166—1)



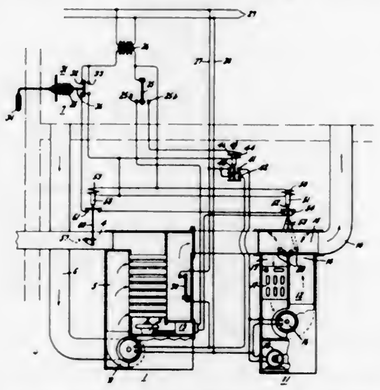
1. Apparatus of the character described, including a tubular body adapted to form part of a casing string, said body having a side port, first and second sleeves on said body for controlling flow of fluid through said port, first and second connections between said body and said first and second sleeves, respectively, for effecting movement of said first and second sleeves relative to each other longitudinally along said body to open and close said port upon relative rotation between said body and sleeves, and means engageable with said sleeves for enabling such relative rotation between said body and sleeves to occur.

2,598,397

AIR-COOLING ATTACHMENT FOR WARM AIR FURNACE SYSTEMS

Samuel J. Levine, West Orange, N. J., assignor to General Electric Company, a corporation of New York

Application October 5, 1949, Serial No. 119,676
4 Claims. (Cl. 257—3)



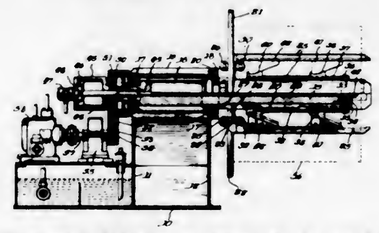
3. An air conditioning system for heating and cooling the air in an enclosure comprising a hot air furnace having a main fan for circulating air therethrough and for discharging hot air therefrom, a conduit for conveying the discharged air to the enclosure to be conditioned, an air cooling unit having a fan for circulating air therethrough, means for by-passing the air in said conduit through said cooling unit whereby said furnace and said unit are connected in series in the path of air flowing to the enclosure, and means effective upon operation of said by-passing means for rendering said furnace ineffective to heat the air and for maintaining both said fans in operation to circulate air to said enclosure through said cooling unit whereby said cooling fan acts as a booster for said main fan.

2,598,398

HYDRAULIC CENTERING REEL

Frederick M. Littell and Rudolph A. Skriba, Chicago, Ill., assignors to F. J. Littell Machine Company, Chicago, Ill., a corporation of Illinois

Original application March 26, 1947, Serial No. 737,366. Divided and this application December 1, 1949, Serial No. 132,838
4 Claims. (Cl. 242—72)



1. In a reel of the type described, in combination, a spindle shaft journalled by supporting means on a substantially horizontal axis and positioned to provide a projecting reel portion, a plate member fixed to the projecting portion of the spindle shaft and having a plurality of radial slots formed therein, a plurality of coil supporting arms disposed parallel to the spindle shaft and extending through the slots respectively whereby the arms are mounted by the plate member for radial movement, a sleeve member telescoping the projecting portion of the spindle shaft and mounted thereby for axial movement, coacting slides fixed to the sleeve member and to the arms respectively and each pair having inter-engaging diagonal surfaces whereby axial movement of the sleeve member will produce radial movement of the arms, and an operating rod extending through the spindle shaft and connecting with the sleeve member for moving the member in an axial direction.

2,598,399

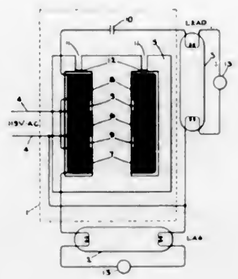
ELECTRIC BALLAST

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 28, 1947, Serial No. 731,559
3 Claims. (Cl. 171—97)

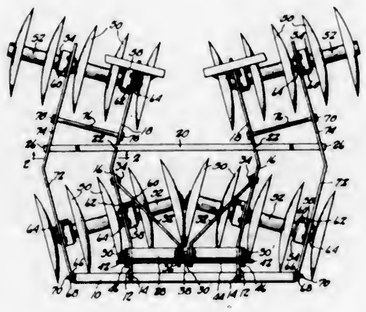
1. In combination, a magnetic core, a primary winding and two secondary windings on said core, said primary winding being between secondary windings, said core including magnetic leakage flux paths between said primary winding and both of said secondary windings, said core including a high reluctance restricted section of magnetic material on the secondary winding side of the leakage flux path which is between

one secondary winding and said primary winding, said last-mentioned secondary winding and said primary winding being autotransformer connected for operating a leading current elec-



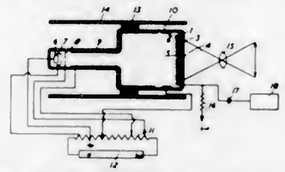
tric discharge lamp circuit, the other secondary winding and said primary winding being autotransformer connected for operating a lagging current electric discharge lamp circuit.

2,598,400
LIFT TYPE DISK HARROW
Jabez A. Love, Silver Creek Township, Cass County, Mich.
Application August 20, 1948, Serial No. 45,403
7 Claims. (Cl. 55—83)



1. A lift type disk harrow comprising a rigid frame unit including a sub-frame and a superstructure, three connectors carried by said frame unit in laterally and vertically spaced relation and adapted for connection with the arms of a lift hitch, a plurality of disk blade gangs arranged in tandem, means connecting each of said gangs adjacent one end thereof to said sub-frame, a pair of rigid elongated arms pivoted to the front of said sub-frame on a transverse axis for vertical swinging movement, means connecting each of said gangs to one of said last named arms in spaced relation to said first named connecting means, and stop means carried by said sub-frame and projecting laterally therefrom to underlie said last named arms for limiting downward swinging of said last named arms.

2,598,401
ELECTRON DISCHARGE DEVICE SUITABLE FOR USE AS TELEVISION TRANSMITTING TUBES
Hans Gerhard Lubszynski, Northwood, James Dwyer McGee, Ealing, London, Walter Ernest Turk, Hayes, and Harry Cassman, Harlington, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application February 16, 1949, Serial No. 84,596
In Great Britain February 18, 1948
5 Claims. (Cl. 315—10)



1. A pick-up tube having a cathode, a charge storage target electrode comprising a sheet of partially conducting material, a mosaic of photoelectric conducting elements on one side of said sheet and a signal electrode in contact with the opposite side of said sheet, and means for scanning said mosaic elements with a low velocity electron beam, said sheet having a specific resistance not greater than 10^{11} ohm centimeter to conduct charge from substantially all of said mosaic elements to said signal electrode.

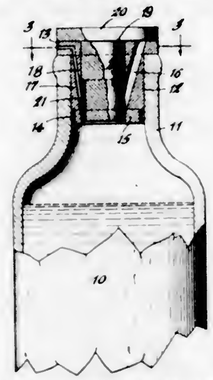
2,598,402
POLYSILOXANE RESINS WITH LEAD TETRAPHENYL CATALYST
Glennard R. Lucas, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 3, 1950, Serial No. 188,267
8 Claims. (Cl. 260—46.5)

1. A composition of matter comprising a heat-hardenable organopolysiloxane resin containing an average of from 1.1 to 1.7 organic groups per silicon atom, the aforesaid organic groups being attached to the silicon atoms of the organopolysiloxane by carbon–silicon linkages, and a curing catalyst for said resin comprising a small amount of lead tetraphenyl.

2,598,403
DISPENSING BOTTLE STOPPER
John Macey, Buffalo, N. Y.
Application July 15, 1950, Serial No. 174,047
1 Claim. (Cl. 215—79)

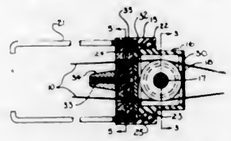
A dispensing stopper for bottles, comprising interfitting inner and outer stopper members for relative telescoping movement to pouring and sealing positions, the outer stopper member being in the form of a sleeve terminating at its upper end in an annular flange to abut at its bottom side against the top edge of the bottle neck and having pouring and vent ports in the sleeve-wall thereof and in intersecting relation at their inner ends with the sleeve-bore above the inner end thereof and opening at their outer ends into the atmosphere, the pouring port opening onto the outer face of said flange, the inner stopper member being in the form of a plug substantially coextensive with the length of the outer member and axially adjustable within the bore of the outer stopper member to regulate the opening

and closing of said ports, said inner stopper member having an annular flange at its outer end for abutting the top side of the companion outer stopper member flange in the sealed position of



the parts, and packing rings on said stopper members for providing a liquid seal between them and over the inner ends of the vent and pouring ports and between the outer member and the bottle.

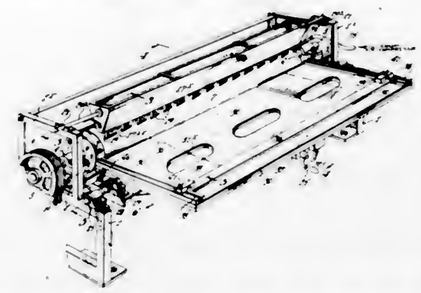
2,598,404
STRAND SEPARATING AND CLEANING DEVICE FOR TWISTED CLOTHESLINES
Douglas Malcolm MacKenzie, Toronto, Ontario, Canada
Application November 2, 1948, Serial No. 57,956
2 Claims. (Cl. 211—119.13)



1. A strand separating device for clothes lines having two twisted strands which comprises a cylindrical housing having forward and rearward open ends, a hollow cylindrical body rotatably mounted in and carried by the forward end of the housing, a ball bearing raceway between the body and the housing, a spindle journalled in and extending transversely of the body at right angles to the long axis of the housing, grooved pulleys rotatably mounted in axial alignment on the spindle, caps adapted to close the ends of the body, spaced openings in each of said caps in alignment with said pulleys, wire cleaning means mounted at the rearward end of said housing, and spaced openings in said wire cleaning means in alignment with the openings in the rearward cap.

2,598,405
GLASS GRINDING MACHINE
Adolph Marchand, Jackson Heights, N. Y.
Application February 23, 1949, Serial No. 77,719
4 Claims. (Cl. 51—96)

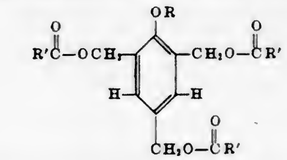
1. A glass bevelling machine comprising a primary frame, a longitudinal grinding roll rotatably mounted on the primary frame for rotary movement about a horizontal axis, a tiltable frame pivoted on said primary frame for pivotal movement about a horizontal axis parallel to said grinding roll axis of rotation, a glass plate-supporting table pivoted on said primary frame for pivotable movement about a horizontal axis parallel to the axes of rotation of said grinding roll and said tiltable frame, means for adjusting the angular orientation of said tiltable frame with respect to



said primary frame, and means for oscillating said table about its axis of rotation so as to move a portion of said table intermittently toward and away from the grinding roll while maintaining said tiltable frame stationary in its adjusted position.

2,598,406
METHYLOL PHENOL ESTERS AND PLASTICIZED MATERIALS THEREFROM
Robert W. Martin, Lenox, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 4, 1951, Serial No. 204,464
16 Claims. (Cl. 106—179)

1. A composition of matter comprising a compound represented by the general formula



where R represents a member of the hydrocarbon class consisting of aliphatic, cycloaliphatic, aryl-substituted aliphatic groups, and halogen-substituted derivatives thereof, and R′ represents a member of the hydrocarbon class consisting of aliphatic, cycloaliphatic, aliphatic-substituted aryl, aryl, aryl-substituted aliphatic groups and nuclear halogen-substituted derivatives of the aforesaid aryl and aryl-substituted groups.

2,598,407
CROSS-LINKED POLYMERIC MATERIALS AND METHOD OF MAKING SAME
Carl S. Marvel, Urbana, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 25, 1947, Serial No. 776,151
16 Claims. (Cl. 260—225)

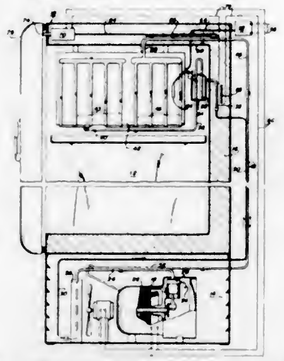
2. Cellulose acetate chloroacetate insolubilized by cross-linking the chloroacetate groups therein with a cross-linking agent selected from the class consisting of polythiols and mercaptides, the said insolubilized chloroacetate being insoluble in solvents for the unmodified chloroacetate.

2,598,408

DEFROSTING REFRIGERATION APPARATUS

Graham S. McCloy, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 10, 1950, Serial No. 148,916
3 Claims. (Cl. 62—4)



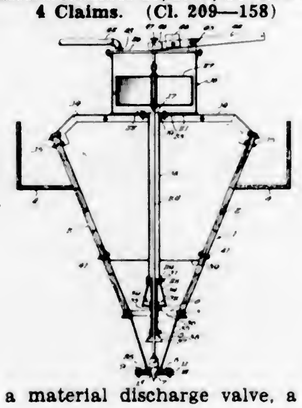
2. In a refrigerator including an insulated chamber, a cooling unit for cooling the media in said chamber, fluid circulating means arranged exteriorly of the chamber, first and second conduits connecting said cooling unit with the fluid circulating means, means associated with at least one of said conduits for varying the temperature of the fluid supplied to said cooling unit, said temperature varying means being adjustable to supply fluid at a temperature below 32° F. for cooling said unit and at a temperature above 32° F. for melting frost formed on the cooling unit and said conduits, and control means for adjusting the temperature varying means and effective to terminate the supply of fluid at a temperature above 32° F. and for initiating the supply of fluid at a temperature below 32° F., said control means including an elongated thermosensitive motivating element in heat transfer relationship with respective portions of one of said conduits within the insulated chamber and exteriorly thereof.

2,598,409

SAND VALVE

John W. Meckenstock, Chicago, Ill., assignor to Meckum Engineering, Inc., Chicago, Ill., a corporation of Illinois

Application December 15, 1949, Serial No. 133,075
4 Claims. (Cl. 209—158)



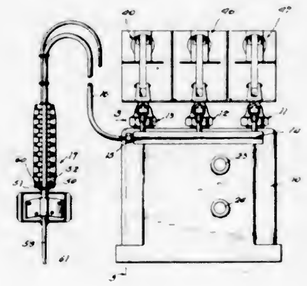
1. In a material discharge valve, a material receiving receptacle having a discharge opening in the bottom thereof, a valve member movable to open or close said opening, a rod connected at its lower end to said valve member for actuating the latter, a tubular member encircling the upper portion of said rod, a tube operatively carried by said member encircling the rod and being of less external diameter than the internal diameter of said member, the supporting juncture of said member and said tube having passageways therein to provide for the passage of water therethrough, and the lower end of said tube being positioned adjacent to but spaced from said valve member.

2,598,410

SPOTTING APPARATUS

James E. Miller, Syracuse, N. Y., assignor to Dryco Corporation, Syracuse, N. Y., a corporation of New York

Application October 13, 1949, Serial No. 121,091
8 Claims. (Cl. 299—83)



1. An apparatus of the class described comprising a steam separator unit provided with outlet ports, a chamber associated with said unit and common to said outlet ports, a spotting tool operatively connected to said chamber, and a control member mounted on said tool and operatively connected to said unit for regulating the output of said unit through said ports.

2,598,411

REARRANGEMENT OF SATURATED HALOCARBONS

William T. Miller, Ithaca, N. Y., and Edward W. Fager, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application November 23, 1948, Serial No. 61,722
13 Claims. (Cl. 260—653)

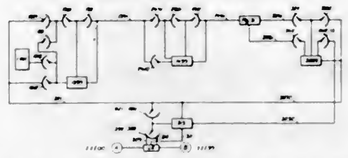
1. The process of rearranging the position of the halogen atoms in a perhalocarbon containing at least two carbon atoms, two fluorine atoms, and two different halogens to produce an isomer which comprises treating said perhalocarbon at a temperature above its melting point between about 0° C. and about 95° C. for a period of time not substantially shorter than about one hour and not substantially greater than about seven hours in contact with a catalyst selected from the group consisting of aluminum chloride, aluminum bromide, and their mixtures with antimony halides and then separating out the structurally different intramolecularly rearranged isomer from the reaction mixture.

2,598,412

SWITCHING SYSTEM FOR COMMUNICATION OF INTELLIGENCE

Gustav Vilhelm Gunnar Modée, Jonas Harry Strandlund, and Folke Ek, Stockholm, Sweden

Continuation of application Serial No. 604,938, July 13, 1945. This application September 26, 1950, Serial No. 186,858. In Sweden August 12, 1943
8 Claims. (Cl. 179—22)



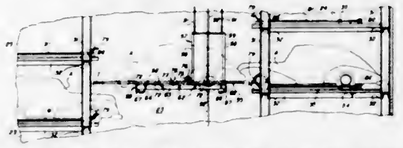
1. In a crossbar system, a switching stage comprising crossbar switches arranged for operation as line finders and as final selectors, a switching stage of first group selectors and a switching stage of penultimate selectors, the switches of each of said switching stages being arranged in sets of switches, each set of said line finders and final selectors including primary and secondary groups of switches, said switches consisting of hold magnets in crossbar switches and including links between said primary and secondary groups of switches, junctors connected between the sets of said penultimate selectors and said secondary group of switches of each set of line finders and final selectors for incoming traffic, junctors connected between said secondary group of switches of each set of said line finders and final selectors and said first group selectors for outgoing traffic, numbered subscriber lines connected to the primary groups of switches of the sets of said line finders and final selectors, each set of said line finders and final selectors being provided with a marker including means directing the switches of said primary and secondary groups of switches of said set of line finders and final selectors to set up a connection between a calling or a called numbered subscriber's line and a junctor in series with a switch in each of said primary and secondary groups of switches of said set of line finders and final selectors, operating circuits entirely separate from junctors between said set of penultimate selectors and said set of line finders and final selectors for connection of said marker with the sets of switches of said penultimate selectors for preparing the connection of an idle junctor, means coupled to said marker and to such numbered subscribers' lines which are connected to said primary group of switches of said set of line finders and final selectors to enable a calling subscriber to have his line connected to said marker, any numbered subscriber's line in the primary group of switches in said set of line finders and final selectors being connected to contact points in a plurality of hold magnets, whereby said numbered subscriber's line is connected to one of said hold magnets together with a plurality of other numbered subscribers' lines so that a first group of numbered subscribers' lines is formed, said numbered subscriber's line being also connected to contact points in at least another hold magnet of said primary group of switches together with a plurality of other numbered subscribers' lines so that a second group of numbered subscribers' lines is formed, and whereby said first group of numbered subscribers' lines is connectable over a link between said primary and secondary groups of switches to contact points in switches in said secondary group of switches, and said second group of numbered subscribers' lines is connectable over another link between said primary and secondary groups of switches to contact points in other switches in said secondary group of switches of said set of line finders such final selectors.

2,598,413

STORAGE BUILDING AND MECHANISM FOR LOADING SAME

Herbert F. Morley, Arlington, Va.

Application May 5, 1950, Serial No. 160,354
9 Claims. (Cl. 214—16.1)



3. An automatic automobile parking garage comprising a skeleton framework defining oppositely facing tiers of storage bays of predetermined uniform width, depth, and height, the levels of opposed bays being vertically staggered; an elevator shaft disposed between said oppositely facing tiers of storage bays and extending longitudinally from end to end and from bottom to top thereof and having a transverse width slightly greater than the combined width of two conventional automobile bodies; a pair of travelling crane elevator structures supported in side-by-side relation and having individual open bottomed cab structures adapted for traversing said elevator shaft from end to end and bottom to top; retractable supporting mechanism mounted on each of said cab structures at the level of the bottoms thereof and normally protruding inwardly from the sides of said cab structures toward the longitudinal center line thereof in position to engage the understructure of an automobile along its opposite sides to support said automobile; means for traversing said respective elevator cab structures along said shaft to an automobile receiving station and subsequently to a selected storage bay; means for selectively retracting the supporting mechanism of a selected elevator cab structure to non-supporting position to enable an automobile to be disposed within said cab structure at said receiving station and thereafter returning said supporting structure into position beneath said automobile whereby upon movement of said selected cab structure to said selected storage bay said selected elevator cab structure will pick up said automobile and carry it to a position in front of said storage bay; means for then rotating said selected cab structure and said automobile to dispose said selected cab structure and said automobile with their longitudinal axes normal to said shaft; a storage carrier in each bay, having latching means for automatically latching said carrier in storage position in its bay, adapted to be projected into said shaft beneath an automobile carried by said selected elevator cab structure whereby said automobile may be transferred from said selected elevator cab structure to said projected carrier; and power means on said selected elevator cab structure adapted to be projected into said bay to engage and move said carrier into projected position and thereafter return said carrier together with an automobile supported thereon into storage position in said bay and to unlatch said latching means as it is projected into said bay to engage said storage carrier.

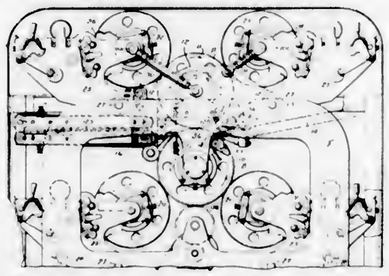
2,598,414

PIVOTAL FRAME MOUNTING STRUCTURE FOR OFFSET PRINTING MACHINE CYLINDERS

Lawrence H. Morse, Mentor, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Original application April 19, 1946, Serial No. 663,517, now Patent No. 2,525,931, dated October 17, 1950. Divided and this application January 15, 1948, Serial No. 2,499

7 Claims. (Cl. 101—177)



1. In a printing machine, the combination with a main frame, a platen carried thereby, a supplemental frame pivoted to the main frame, an offset roll mounted in the supplemental frame and adapted to coact with the platen, a second supplemental frame pivoted on the same axis as the first supplemental frame, a pattern roll mounted in said second supplemental frame, and an adjustable link tying together said two supplemental frames.

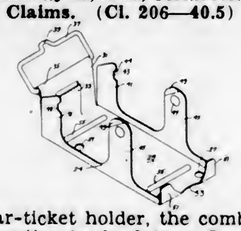
2,598,415

ZONE TICKET HOLDER

Eugene A. Nahm, Baldwin, N. Y., assignor to Johnson Fare Box Company, Chicago, Ill., a corporation of New York

Application May 15, 1945, Serial No. 593,939

4 Claims. (Cl. 206—40.5)



1. In a tear-ticket holder, the combination of a ticket supporting back plate, a flange extending upwardly from said back plate at one end thereof, a bail pivotally supported by said flange at the upper edge thereof for movement to and from a position against the tickets, an arm extending upwardly from said back plate at a side thereof and adjacent said flange and a recess formed in said arm to receive said bail when it occupies said position, said bail serving to clamp tickets forcibly against the back plate when it is received in said recess.

2,598,416

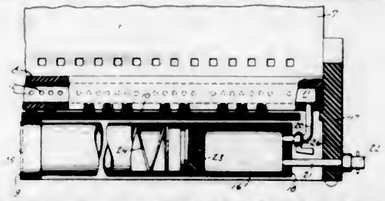
ORGAN OR OTHER TOY WITH EQUALIZED PRESSURE SUPPLY

James Emery Nash, West Point, Ga.

Application March 10, 1949, Serial No. 80,621

2 Claims. (Cl. 84—331)

1. A compressed air toy of the character herein disclosed comprising a keyboard having individually operable keys, a compressed air storage cylinder disposed longitudinally beneath said keyboard and having a vent in one end, a pressure equalizing piston wholly enclosed within and arranged to freely float in said cylinder, a spring impelling said piston toward the opposite end of the cylinder, air pressure supply connections with said latter end of the cylinder and



whereby under pressure of admitted air said free-floating piston will be forced back against the tension of said spring, a distributor having valves operable by the keys of said keyboard, air flow connections from said latter end of the cylinder to said distributor and compressed air actuated means connected with said distributor through the medium of said valves.

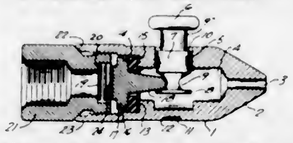
2,598,417

BLOWGUN

Leroy K. Niemann, Manitowoc, Wis., assignor to Eastman Mfg. Company, Manitowoc, Wis.

Application November 9, 1946, Serial No. 709,048

2 Claims. (Cl. 251—152)



1. In a device of the class described, a body portion having passageway therethrough, valve means in said body portion normally closing said passageway, said body portion having an aperture extending radially part way therethrough, a thumb piece slidably guided in said radially extending aperture and having a reduced neck portion and a shouldered portion, and being operatively coupled to said valve means, and a split ring surrounding said body portion and having its ends spaced apart and overhanging the shouldered portion of said thumb piece.

2,598,418

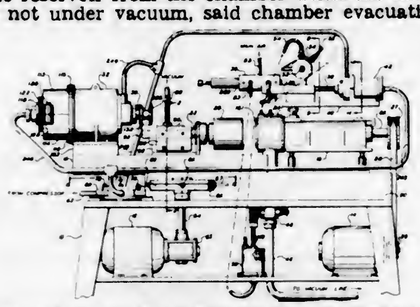
FRUIT JUICE EXTRACTION

Earl R. Odom, Altadena, and Harold T. Lannen, Pasadena, Calif., assignors to Air Line Engineering Corporation, Pasadena, Calif., a corporation of California

Application September 2, 1947, Serial No. 771,814

9 Claims. (Cl. 99—239)

1. Fruit juicing apparatus comprising in combination fruit holding means, a juicer, complementary members incorporating said fruit holding means and juicer and adapted to define a sealable chamber, means for causing the fruit holding means and juicer to approach each other in rotatable relationship within said sealable chamber, means for evacuating the chamber prior to contact of the juicer with fruit supported in the fruit holding means, a juice reservoir, means for maintaining the juice reservoir under vacuum, means communicating between the chamber and the reservoir and means in association with said last named means for isolating the reservoir from the chamber when the latter is not under vacuum, said chamber evacuating



means being independent of said reservoir and being effective to evacuate said chamber without passing the evacuated air through said reservoir.

2,598,419

DOOR OR CLOSURE

George E. O'Hearn, Jr., and Hazel D. Hach, Gardner, Mass.

Application June 22, 1950, Serial No. 169,553

1 Claim. (Cl. 160—185)



A door comprising a door frame, a header thereon, a cleat depending from the header, a door jamb at each side thereof, a panel having a width less than one-half the distance between jambs, means hinging the panel to a jamb, a second panel having a width similar to that of the first panel, means hinging the second panel to the first panel, a narrow third panel, means hinging the third panel to the second panel, a track depending from the cleat and track interengaging means on the third panel to guide the latter in a straight line motion only, the three panels having the top edges thereof in overlapping juxtaposition to the cleat when the door is in closed position.

2,598,420

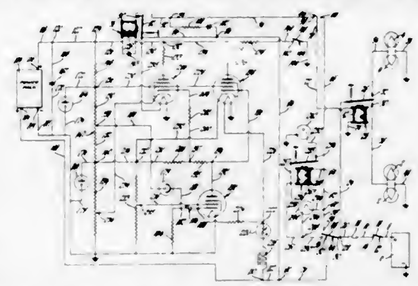
LIGHT RESPONSIVE SYSTEM

George W. Onksen, Jr., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application July 10, 1948, Serial No. 37,984. Divided and this application June 30, 1950, Serial No. 171,363

3 Claims. (Cl. 315—83)

1. In an automatic vehicle headlight control system, the combination of power supply, a phototube connected thereto, a dark actuated amplifier circuit connected between the phototube and the power supply, a relay in the output circuit of the amplifier, and an electronic means to pull on the relay armature in the absence of light on the phototube, wherein, said relay armature operating as a means to automatically switch lights from high beam to low beam upon the application of light and returning them to high beam when the light is removed.



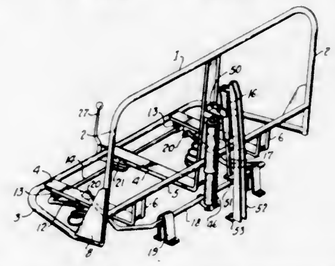
2,598,421

VERTICALLY ADJUSTABLE SEAT FOR VEHICLES

John Wallace Page, Adrian, Mich., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan

Application July 21, 1947, Serial No. 762,397

7 Claims. (Cl. 155—9)



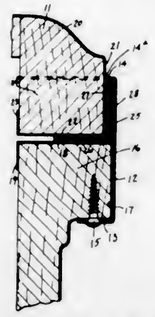
5. An adjustably raised and lowered seat for a cab or other vehicle, having in combination a seat bottom and seat back frame for supporting the seat bottom and seat back cushions, a guide, means for supporting one part of the guide from the floor of the vehicle and means securing another part of the guide to the seat back frame for guiding the same in up and down movement, a crank shaft pivoted to the seat bottom frame and provided with crank arms and a lever arm for moving the frame up and down, supporting springs for engaging the floor, with one spring engaging each crank arm end, and means engaging between the seat bottom frame and the said lever arm for adjustably spacing the arm from the seat bottom frame and thereby raising and lowering the frame upon each spring, the said means comprising a hydraulic power and adjusting unit comprising a pump and a motor cylinder filled with liquid by oscillating the piston of the pump in short strokes, and a check valve for holding the liquid in the motor cylinder, said motor cylinder secured to the seat frame and having a push connection with the lever arm of the crank shaft.

2,598,422

CASKET SEAL STRUCTURE

Benjamin F. Paul, Elwood, Ind.; Mildred H. Paul administratrix of said Benjamin F. Paul, deceased

Application September 22, 1949, Serial No. 117,172
4 Claims. (Cl. 27—17)



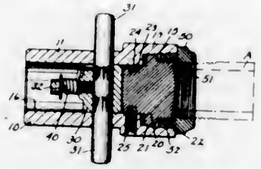
1. In a casket having a body section and a lid section therefor, the combination therewith of a mask secured to said body section and projecting thereabove, said mask substantially encircling said body section and terminating in an inwardly directed flange, said lid section when closed being telescopically received by said mask, said lid section when closed together with said mask and said flange defining a space, combined clamping and sealing means encircling said lid portion when in closed position and disposed within said space, a portion of said sealing means extending horizontally inwardly and lying between said lid and body sections, and externally exposed means connected to said clamping means for tautening said clamping and sealing means about said lid section.

2,598,423

NIPPLE CHUCK

Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio

Application November 24, 1950, Serial No. 197,468
4 Claims. (Cl. 279—7)



1. In a nipple chuck, the combination of a hollow barrel having a bore having a head with an internally threaded recess of greater diameter than the bore, an abutment block mounted in the barrel having an enlarged cylindrical portion intermediately located and having a cylindrical portion of less diameter on opposite sides of the enlarged portion, a bushing having an internal thread and having an extension with an external thread, said extension occupying the space between the outer one of the reduced portions of the block and the threaded interior of the head, a radial pin carried by the head and having its inner end loosely occupying a recess in the inner reduced portion of the block, a cylindrical block rotatably mounted in the bore of the barrel back of the abutment block, a rod passing diametrically through said cylindrical block and through inclined slots in the wall of the barrel, and a spring within the barrel connected one end to the barrel and at the other end to the cylindrical block and tending to maintain the rod at the front end of the slots through the barrel.

2,598,424

PRODUCTION OF CYCLOPENTADIENE-TALL OIL COMPOSITIONS

Carl F. Peters, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 9, 1946, Serial No. 702,089
11 Claims. (Cl. 260—97.5)

1. A process for preparing a new composition of matter which comprises reacting cyclopentadiene and tall oil at a temperature of between 400° F. and 650° F.

2,598,425

PRODUCTION OF CYCLOPENTADIENE-RESINOUS MATERIAL REACTION PRODUCTS

Carl F. Peters, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application November 1, 1946, Serial No. 707,329
15 Claims. (Cl. 260—97)

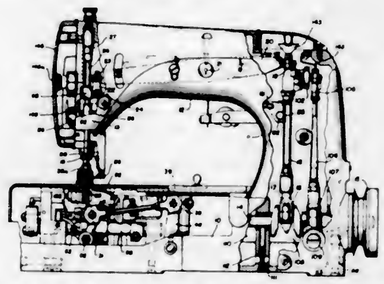
1. A process for preparing a new composition of matter which consists in thermally reacting cyclopentadiene and a reactant taken from the group consisting of rosin, abietic acid, polymerized rosin, and rosin esters at a temperature between 400 and 650° F.

2,598,426

LUBRICATING SYSTEM FOR SEWING MACHINES

Albert C. Peterson, Park Ridge, Robert A. Hayes, Franklin Park, and Richard H. Lukins, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application November 4, 1948, Serial No. 58,222
11 Claims. (Cl. 112—256)



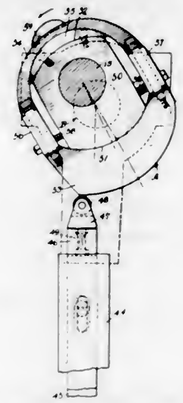
7. In a sewing machine a reciprocating member, means for operating said member comprising a moving part and a bodily movable link connecting said part with said member, a pivot pin in the connection between said link and said member and arranged to be moved bodily with the latter, a lubricant sump below said pivot pin, a stationary plate having a surface adjacent and substantially parallel with the path of movement of said pivot pin, means for supplying lubricant from said sump to said surface of said plate, and wick means carried directly by said pivot pin and arranged in substantially continuous wiping contact with said surface of said plate.

2,598,427

APPARATUS FOR CONTROLLING DIE OPERATIONS

Walter R. Place, Glen Ridge, N. J.

Application April 13, 1948, Serial No. 20,726
6 Claims. (Cl. 74—568)



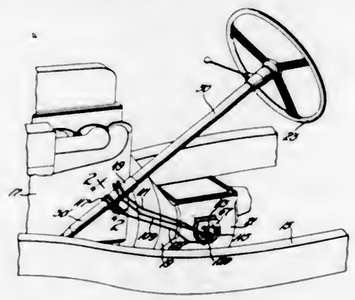
1. In a draw press having a power shaft, a rotating cheek fixed to the shaft and having curved surfaces, a plurality of cam sections disposed around and embracing the periphery of said cheek, blocks adjustably connecting corresponding opposite ends of said sections to adjust their grip on the cheek, means for adjustably tightening the connection between the blocks and the sections, and means associated with the cheek and the sections to adjust the angular position of the sections on the cheek whereby the timing operations of the cam may be adjusted.

2,598,428

REMOTE CONTROL OF TRANSMISSION

Robert S. Plexico, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 26, 1946, Serial No. 686,309
9 Claims. (Cl. 74—477)



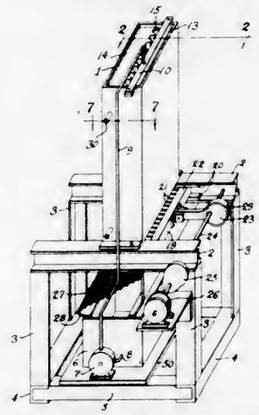
1. In remote control for changing the driving ratio of a transmission mechanism of a vehicle having a steering jacket, a manually operable lever adjacent the upper end of said steering jacket, first and second levers adjacent the lower end of said jacket, an independent connecting link from each of said levers to said transmission mechanism for shifting into different ratio groups, a rockshaft and a pair of ratio-shifter arms included in said transmission, an interlocking device in said transmission for locking out one of said groups by interference with the motion of said arms, a third lever adjacent the lower end of said steering jacket and a third link connecting said third lever and said device, an element operable by reciprocation and in response to movement of said manually operated lever to engage the first or second lever and simultaneously to operate said third lever, said element thereafter adapted to rotate and rock the selected lower lever.

2,598,429

APPARATUS AND METHOD OF RAPID PRODUCTION AND HARVESTING OF ICE

George L. Pownall, London, Ohio

Application July 3, 1948, Serial No. 36,973
7 Claims. (Cl. 62—106)



1. In ice making apparatus, an evaporator which comprises an enclosed hollow shell having at least one substantially vertical wall, said wall having vertically extending corrugations forming spaced vertical channels of U-shaped cross-section, a plate abutting outer edges of the corrugated wall forming a plurality of channel-shaped mold spaces between the plate and the corrugated wall, each mold space being open at the top and bottom, means for introducing a refrigerant into the shell to contact the inner side of the corrugated wall, means for removing the refrigerant from the shell, and means for introducing water into the open tops of the mold spaces to flow down the spaces and congeal as ice on the outer side of the corrugated wall.

2,598,430

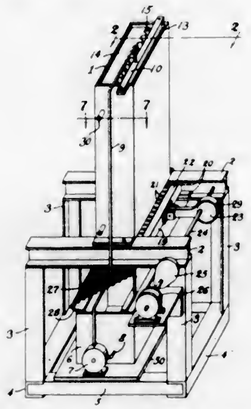
APPARATUS AND METHOD OF RAPID PRODUCTION AND HARVESTING OF ICE

George L. Pownall, London, Ohio

Original application July 3, 1948, Serial No. 36,973. Divided and this application July 16, 1948, Serial No. 39,078
2 Claims. (Cl. 62—172)

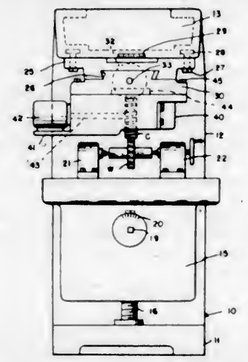
1. The method of producing ice particles, which comprises flowing a film of water substantially continuously over the inside surfaces of a

majority of the walls of an open-ended multi-sided upright tubular heat exchange member, subjecting to freezing temperature those walls over which the water flows, leaving at least one remaining wall unrefrigerated, thereby to cause growth of ice from the refrigerated walls toward the unrefrigerated wall to form a solid stick of ice inside the heat exchange member, stopping



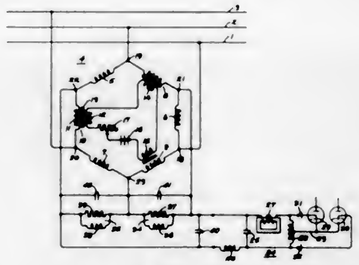
the freezing action after the member fills with ice and the flowing water has overflowed the unrefrigerated wall exteriorly of the member, then warming the previously refrigerated walls to effect release of the ice contained within the member, whereby the ice in stick form may drop by gravity from the lower open end of said member.

2,598,431
MACHINE FOR FINISHING GEARS WITH DIAGONAL TRAVERSE
Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application April 18, 1947, Serial No. 742,434
4 Claims. (Cl. 90—1.6)



1. A gear finishing machine comprising a frame, a first member, means mounting said first member for angular adjustment on said frame about a first axis, means on said frame to clamp said member rigidly in any position of angular adjustment, a second member, rectilinear ways connecting said first and second member to provide for rectilinear traverse of said member relative to said first member, feed screw and nut means extending between said members, a motor means carried by one of said members operably connected to said feed screw and nut means to traverse said second member along said ways, a third member, means mounting said third member to said second member for angular adjustment about a second axis parallel to said first axis, means between said second and third members for clamping said third member in any position of angular adjustment, a rotary support on said third member having its axis perpendicular to said first named axis, motor means mounted on said third member for driving said rotary support, a second rotary support on said frame having its axis perpendicular to the axes of angular adjustment of said first and third members, and means for adjusting the normal spacing between the axes of said rotary supports.

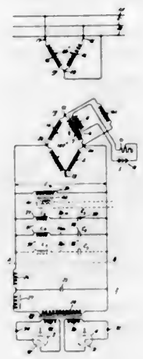
2,598,432
PHASE SHIFTING NETWORK
John C. Price, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1949, Serial No. 84,208
16 Claims. (Cl. 323—122)



1. An impedance phase shifting network comprising a fixed reactive element and a variable reactive element connected in series relation therewith to form a branch circuit of said network, input terminals provided at the extremities of said branch circuit and having an intermediate junction between said fixed and variable reactive elements constituting one output terminal, circuit connections for impressing between said input terminals voltage components having a predetermined phase displacement therebetween and constituting the voltage input angle of said network, a second output terminal provided at a point of said network dependent upon said input angle, and an output circuit connected to said output terminals and having a substantially constant value of impedance and a power factor angle equal to one-half of said input angle and of opposite sign to the reactive characteristic of said network.

2,598,433
PHASE SHIFTING NETWORK
Albert H. Mittag, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 29, 1949, Serial No. 90,529
3 Claims. (Cl. 323—122)

3. An impedance phase-shifting network comprising first fixed inductive reactive means and saturable inductive reactive means connected in series relation therewith to form a branch circuit of said network, second fixed inductive reactive means connected in parallel relation with said variable inductive reactive means, input terminals being provided at the extremities of said branch circuit, an intermediate junction between said first fixed and variable inductive reactive elements constituting one output terminal, circuit connections being provided for impressing between said



input terminals voltage components having a predetermined phase displacement therebetween and constituting the voltage input angle of said network, a second output terminal being provided for said network dependent upon said input angle, and an output circuit connected to said output terminals and having a substantially constant value of impedance and a power factor angle equal to one-half of said input angle and of opposite sign to the inductive reactive characteristic of said network.

2,598,434
PREPARATION OF ORGANOHALOGENOSILANES FROM ORGANOHALOGENOPOLYSILANES
Donald Mohler, Schenectady, and Jesse E. Sellers, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 18, 1949, Serial No. 111,101
6 Claims. (Cl. 260—448.2)

1. The method which comprises heating a composition comprising as an essential ingredient an hydrocarbon-substituted halogenopolysilane containing a silicon-silicon linkage in the presence of an hydrocarbon halide at a temperature of at least 250° C. and below the decomposition point of the formed halogenomonosilanes.

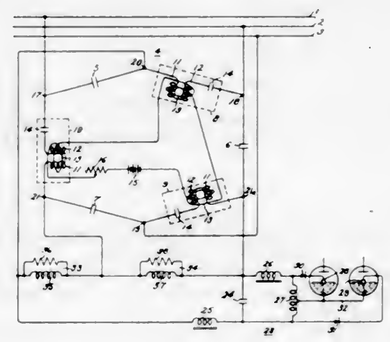
2,598,435
PROCESS FOR TREATING ORGANOPOLYSILANES
Donald Mohler, Schenectady, and Jesse E. Sellers, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 18, 1949, Serial No. 111,102
5 Claims. (Cl. 260—448.2)

1. The method which comprises heating a composition comprising as the essential ingredient a methylhalogenopolysilane containing a silicon-silicon linkage and a silicon-bonded methyl group at a temperature of at least 250° C. and below the decomposition point of the formed methylhalogenomonosilanes.

2,598,436
METHOD FOR PREPARING ORGANOHALOGENOSILANES
Donald Mohler, Schenectady, and Jesse E. Sellers, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application September 21, 1949, Serial No. 117,074
4 Claims. (Cl. 260—448.2)

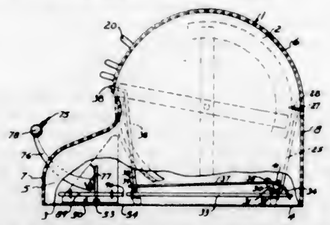
1. The process which comprises passing under substantially anhydrous conditions and in the vapor phase a mixture of ingredients comprising (1) chlorobenzene and (2) methyldichlorosilane through a heated zone maintained at a temperature of around 450° to 575° C. and containing a catalyst comprising palladium, thereby to obtain methyl phenyldichlorosilane, and thereafter isolating the aforesaid methyl phenyldichlorosilane.

2,598,437
PHASE SHIFTING NETWORK
Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 5, 1951, Serial No. 235,343
9 Claims. (Cl. 323—124)



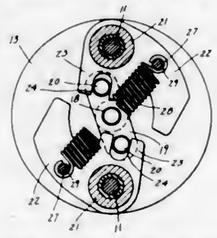
9. A phase shifting network comprising a plurality of input terminals, a polyphase input circuit for applying to the respective input terminals voltages equally displaced in phase at an angle in electrical degrees constituting the input angle of said network, a pair of serially connected fixed and variable reactive elements connected between each pair of input terminals to form said network, the reactance of said variable reactive element being controllable over a range extending between values of inductive reactance through zero to values of capacitive reactance, a plurality of output terminals provided at points around said network which alternate with said input terminals, and an output circuit connected to each of the respective pairs of output terminals for connection to a polyphase load circuit having a power factor angle opposite in sign to the reactive characteristic of said fixed reactive elements and of a value in degrees equal to one-half the phase displacement between the voltages of adjacent pairs of input voltage terminals.

2,598,438
TYPE LOCKING MEANS IN MARKING MACHINES
Otto Petermann, Groton, and Frank Kosmer, Syracuse, N. Y., assignors to Philip N. Braun Inc., Los Angeles, Calif., a corporation of California
Application February 26, 1946, Serial No. 650,216
3 Claims. (Cl. 101—110)



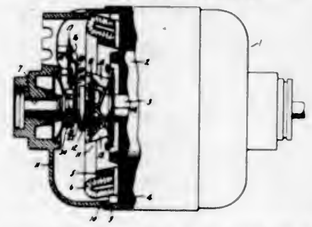
3. In a marking machine, a casing, type mechanism including type wheels shiftable about their axes to bring different type to the printing line, a spindle on which the type wheels are loosely mounted, stationary guide and holding members located on diametrically opposite sides of the type wheels and extending between the type wheels and coacting with the side faces thereof to hold the type wheels from undue axial movement on the spindle on which they are loosely mounted, and releasable locking means for holding the type wheels in set portion, said locking means thrusting radially against the peripheries of the type wheels diametrically opposite the printing line to hold the type wheels firm independently of the spindle during the printing operation, said locking means including spring pressed levers, one for each wheel, bifurcated heads carried by the levers and arranged astride the companion wheels and having means between the bifurcations engaging in peripheral notches in the peripheries of the wheels.

2,598,439
SPEED CONTROL FOR PRESSURE FLUID OPERABLE ROTATOR
Raymond Reger, Anderson, Ind., assignor to The Pierce Governor Company, Inc., Anderson, Ind., a corporation
Application March 5, 1948, Serial No. 13,265
3 Claims. (Cl. 137—140)



1. A centrifugally controlled valve comprising in combination a pair of spaced rotatable plates, diametrically disposed members connecting said plates together, a pair of coplanar centrifugal valve members oppositely disposed and pivotally supported by the said plates, said valve members having straight engageable faces which when engaged comprise a complete shut-off valve, and a second pair of centrifugally operated members pivotally mounted between said plates and operatively connected with said centrifugally operated valve members, and means for effecting unitary movement of said second pair of centrifugally operated members, and means for biasing said second pair of centrifugally operated members in one direction.

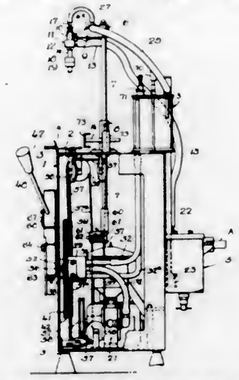
2,598,440
DIRECTIONAL SWITCH
Donald C. Reek, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 5, 1951, Serial No. 235,326
4 Claims. (Cl. 200—80)



1. In combination with a rotatable shaft, an antifriction bearing having an inner race mounted on said shaft and an outer race with antifriction bearing elements arranged therebetween, a switch assembly having a mounting member, a pair of independently movable arms respectively mounted on said mounting member and arranged on either side of said shaft, a pair of stationary contacts mounted on said mounting member, and a pair of movable contacts respectively mounted on said arms and respectively cooperating with said stationary contacts; means responsive to the speed of said shaft for biasing said arms to a first position with said contacts closed and for permitting said arms to move to a second position with said contacts open above said predetermined speed, and means on said outer race for holding one of said arms in said first position when said shaft is rotating in one direction and for holding the other of said arms in said first position when said shaft is rotating in the other direction whereby the contacts respectively associated with the arms so held are not opened above said predetermined speed.

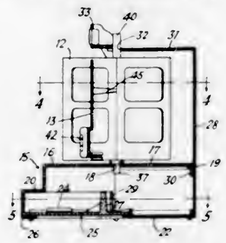
2,598,441
VACUUM FILLING MACHINE
Ivan H. Risser, Glenview, Ill., assignor to U. S. Bottlers Machinery Company, Chicago, Ill., a corporation of Illinois
Application March 1, 1950, Serial No. 147,043
9 Claims. (Cl. 226—113)

1. In a vacuum filling apparatus for filling a plurality of containers with liquid to a prescribed height from a liquid supply tank, a support for receiving and retaining the containers during filling, a plurality of vacuum filling tube assemblies for supplying the containers with liquid and each having an air vent tube and a liquid supply tube connected to the supply tank, a manifold connecting the air vent tubes, mechanism for raising and lowering the filling tube assemblies relative to the support, a vacuum pump, a pair of vacuum overflow cylinders connected to the manifold, a vacuum control valve assembly having a plurality of ports one connected to the vacuum pump, one connected to the atmosphere and one to each of the overflow cylinders, said valve assembly including a rotatable valve member having a pair of arcuate slots each adapted to alternately connect one overflow cylinder to the atmosphere and the other to the vacuum pump whereby when the valve is rotated to one position and the filling tube assemblies are lowered, one of the overflow cylinders is connected to the atmosphere and the other to the vacuum pump, and when the



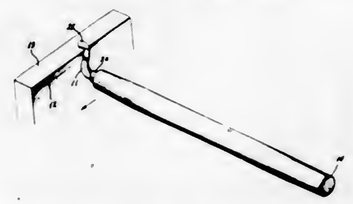
valve is rotated to its other position the other overflow cylinder is connected to the atmosphere and the first mentioned overflow cylinder is connected to the vacuum pump, and a common manually operable actuating means connected to the rotatable valve and to the raising and lowering mechanism for simultaneously actuating the raising and lowering mechanism and the rotatable valve member.

2,598,442
TOY BANK
Irving Rosenbloom, Great Neck, N. Y., assignor to Renwal Manufacturing Co., Inc., Mineola, N. Y., a corporation of New York
Application August 28, 1951, Serial No. 243,949
4 Claims. (Cl. 46—4)



1. A toy bank comprising a hollow base including upper and lower walls parallel to each other, said upper wall being formed with a coin insertion slot and said lower wall being formed with a coin removal slot, closure means slidably mounted on said lower wall for closing said coin removal slot, a semicircular side wall mounted on said upper wall in upstanding position, a top wall on said side wall parallel to said upper wall, a pair of crossed members simulating a revolving door mounted on said upper and top walls for rotation about a vertical axis, a figure simulating an individual mounted in an upstanding position between adjacent portions of said crossed members, said figure including a pair of laterally extending fingers spaced above said upper wall and adapted to position a coin supported by said upper wall, said door being adapted to be rotated to a position wherein said positioned coin will fall through said coin insertion slot.

2,598,443
CUTTING TOOL
Otto W. Roth, Los Angeles, Calif.
Application April 7, 1947, Serial No. 739,803
3 Claims. (Cl. 30—286)



1. A cutting tool comprising a shaft, a blade on the shaft having the longitudinal axis thereof disposed in a direction angularly outwardly and endwardly with respect to the axis of the shaft wherein one side of the blade forms an outside angle and another side forms an inside angle with respectively adjacent sides of the shaft, a cutting edge on the side of the blade forming the outside angle, and a smooth surfaced lip at the end of the blade disposed transversely with respect to the blade and on the side of the blade adjacent the cutting edge, said lip extending endwardly away from the shaft.

2,598,444
JACK HOOK HOLDER FOR LOOMS
Bernice Coyle Savage, Jefferson, Ga.
Application July 17, 1950, Serial No. 174,169
3 Claims. (Cl. 139—88)

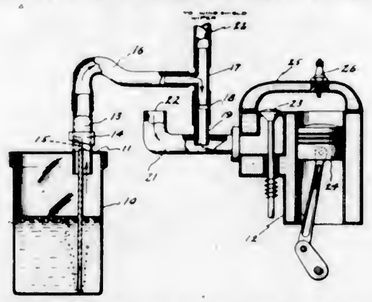


1. A holder for connecting jack hooks to a loom harness comprising a flat metal shank adapted to be clamped on a jack hook and having an integral, U-shaped hook member to engage a harness frame; a latch member spaced from and pivotally mounted on the lower end portion of said shank to lock the holder on the frame member; and means for clamping the lower ends of the shank and latch member on the jack hook.

2,598,445
VAPOR CHARGING SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Harry H. Schneider, Bronx, N. Y.
Application September 3, 1949, Serial No. 114,017
1 Claim. (Cl. 261—121)

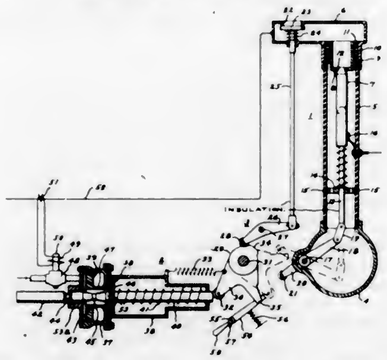
In an apparatus for extending a vapor into an internal combustion engine comprising a container adapted to receive liquid to a predetermined level, a first pipe extending into the said container and terminating above said liquid level

and having an aperture in the wall thereof outside of the container, a rubber sleeve valve extending about the pipe and having an inclined lower edge, a smaller pipe disposed within said first pipe and leading from the said aperture to a point below the liquid level, and adapted to receive air from beneath the rubber sleeve valve



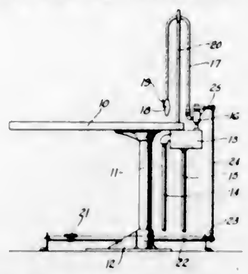
to vaporize the liquid within the container and to carry the same outwardly through the pipe, and hose connection means adapted to connect the pipe with the manifold of an internal combustion engine, said rubber sleeve being adjustable upon the pipe to vary the inflow of air to the smaller pipe.

2,598,446
FLUID ACTUATED ELECTRIC CIRCUIT BREAKER
Harold N. Schneider, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application December 30, 1948, Serial No. 68,318
9 Claims. (Cl. 200—82)



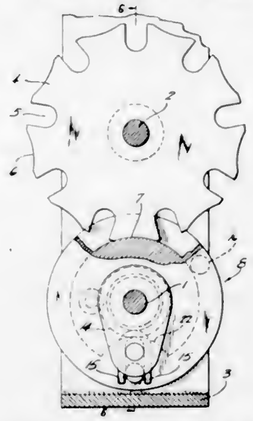
3. A fluid actuated mechanism for supplying operating force to a load which varies in magnitude in a predetermined fashion during an operating cycle comprising, a main piston, an auxiliary piston, a cylinder for each of said pistons, means including a source of fluid under pressure and a valve for supplying pressure fluid to said auxiliary piston to impart a predetermined operating force to the load during the initial portion of an operating cycle of said mechanism, and regulating means for the remainder of the operating cycle comprising a throat in said auxiliary piston and a cooperating metering pin movable with said main piston for controlling the amount of pressure fluid supplied to said main piston from said source of fluid under pressure.

2,598,447
STEAM HYDRATOR
Roy M. Schultz, Chicago, Ill., assignor to David A. Freeman Corporation, Chicago, Ill., a corporation of Illinois
Application December 31, 1948, Serial No. 68,717
10 Claims. (Cl. 299—84)



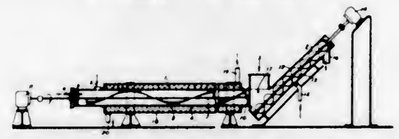
1. In apparatus of the class described, a steam chamber and water reservoir, a steam supply connected with said chamber, a nipple connected through a wall of said chamber and communicating with the interior thereof, said nipple having therein a suction-producing region upon the passage through the nipple of steam at a relatively high velocity, a water outlet pipe connected to said nipple at said region and connected with the water in the lower part of said reservoir, a steam discharge conduit connected with the outlet end of said nipple, and a valve to control the flow of steam and thereby the water through said conduit according to the extent of opening of said valve.

2,598,448
OPERATING MECHANISM FOR MULTIPLE POINT SWITCHES
William O. Schultz, Marshfield, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application May 28, 1949, Serial No. 95,958
2 Claims. (Cl. 74—436)



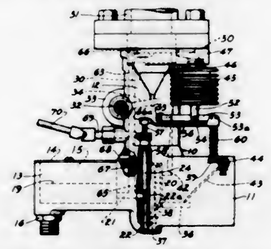
1. Operating mechanism for a multiple point switch comprising a driving shaft and a driven shaft, a Geneva gear carried by said driven shaft, a Geneva pinion loose on said driving shaft and coacting with said gear to alternately drive and lock said gear in a step-by-step manner in either direction, spring means operatively interposed between said driving shaft and said pinion for driving said pinion from said driving shaft in either direction, a pair of latch means for restraining said pinion against rotation in opposite directions, and cam means carried by said driving shaft for selectively tripping said latch means after said spring means has been tensioned in opposite directions.

2,598,449
PURIFICATION OF NAPHTHALENE
Roland Scott and Eric H. Joscelyne, Oldbury, Birmingham, England, assignors to The Midland Tar Distillers Limited, Oldbury, Birmingham, England, a British company
Application August 2, 1948, Serial No. 42,036
In Great Britain August 13, 1947
4 Claims. (Cl. 260—674)



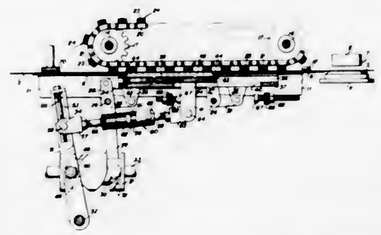
1. A continuous process for purifying crude naphthalene comprising continuously introducing crude molten naphthalene into a flowing stream of precipitating liquid in which naphthalene is of low solubility and which is also a solvent for the impurities and is at a temperature of the order of 20–40° C. to cause naphthalene crystals to form at once, causing the mixture to flow a sufficient distance to allow the crystals to increase in size to not less than 2 millimeters and at the same time preventing agglomeration of the crystals by agitating the flowing mixture, separating the crystals from said mixture by conveying said crystals upwardly out of said mixture, washing said crystals being so conveyed with a downwardly flowing stream of the same liquid, directing said downwardly flowing stream into the liquid stream from which said crystals are upwardly conveyed to mix therewith, and removing the resultant mixed stream.

2,598,450
CARBURETOR
Ernest H. Shaff, Bryan, Ohio, assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application June 9, 1938, Serial No. 212,738
17 Claims. (Cl. 123—119)



1. A carburetor having, in combination, a hollow body providing intake and discharge openings, a fuel discharge member in said body, a fuel supply connection for said member, a valve in said connection, a spring urging said valve toward its open position, an expansive bellows mounted on said body and adapted for connection with an engine manifold so as to be subject to the engine suction, and means connecting said bellows to said valve and acting against said spring to close said valve as the engine suction is increased, said means including a thermostatic element arranged as the engine temperature increases to reduce the valve opening for any given position of the bellows.

2,598,451
METAL STRIP OR SHEET FEEDING MEANS
Justin Simpson, Elmhurst, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 5, 1946, Serial No. 652,139
13 Claims. (Cl. 271—2.5)

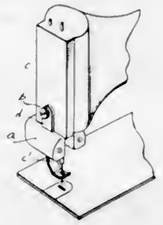


12. In apparatus of the character described, a feed way over which metal strip is to be fed, a slide guide, a slide reciprocable in said guide in a path paralleling said feed way, a plurality of permanent magnets extending longitudinally on said slide, means for reciprocating said slide, means for moving the guide toward and from the feed way in timed relation to the slide reciprocation to cause the magnets to engage a strip, then move along the feedway with the strip held thereagainst, then away from the strip and then back to the starting point preparatory to commencement of another feed cycle, a pair of endless conveyors having flights paralleling the feedway opposite the slide and free to move idly in the direction of travel of the strip and having magnet attractable gripper members extending thereacross in position for being attracted by the magnets into tight gripping contact with said strip whenever the magnets are in contact with the strip, means floatably mounting the magnets for limited lateral movement on the slide and means floatably mounting said conveyors for limited lateral movement relative to said slide, thereby to permit a limited amount of weaving or lateral creeping of the strip as it is being fed.

2,598,452
LIGHTING DEVICE FOR SEWING MACHINES
Mór Josif Singer, Tilburg, and Gijsbertus Hendricus Draaisma, Amsterdam, Netherlands
Application November 18, 1947, Serial No. 786,698
In the Netherlands November 28, 1946
2 Claims. (Cl. 246—2.14)

1. In a sewing machine including an elongated vertically extending machine head terminating in a free end having a substantially horizontal bottom face and a vertical presser foot bar projecting from said free end of said machine head through said bottom face, in combination, a single substantially horizontal reflector having a horizontal flat top wall provided with a non-reflecting top face and a reflecting bottom face and abutting with said non-reflecting top face

against said bottom face of said free end of said machine head, said top wall having opposite lateral edges with downwardly bent curved edge wall portions, and being formed with a hole for the passage of said presser foot bar located spaced at equal distances from said downwardly bent curved edge wall portions, said top wall being formed with a cut-out on the front edge thereof adapted to permit viewing of said presser foot bar by an operator; socket means on said re-



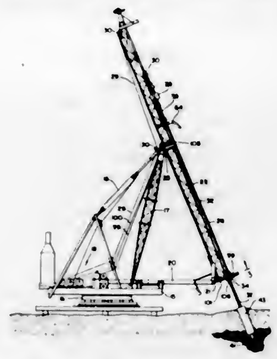
flector oppositely arranged on the front and rear edges of said top wall for mounting elongated bulbs below said reflecting bottom face of said top wall parallel to said downwardly bent curved edge portions of said top wall; and a vertically extending bracket fixedly secured to said reflector and projecting upward from said non-reflecting top face of said top wall and formed with a hole so as to be adapted to be secured to the lateral face of said free end of said machine head.

2,598,453
DIAZOTYPE COMPOSITION FOR SILICEOUS SURFACES
Sam Charles Slifkin, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 27, 1946, Serial No. 718,881
9 Claims. (Cl. 95—7)

1. A light-sensitive diazotype reproduction medium on a liquid impervious siliceous surface, comprising a mixture of a light-sensitive diazo compound suitable for two-component diazotype layers, an azo coupling component, a film forming plastic selected from the group consisting of cellulose esters, cellulose ethers and super-polyamides; and a silicon compound selected from the group consisting of silicic acid esters and silicones.

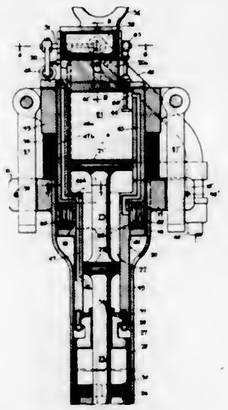
2,598,454
DRILLING APPARATUS
Edward A. Smith, Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Application June 2, 1950, Serial No. 165,736
5 Claims. (Cl. 255—19)

1. Pile driving apparatus adapted for alternative use for drilling purposes, comprising in combination: a pile driver assembly of the type having guide rails; a fluid pressure operated pile driving hammer assembly slidable by the power hoisting means of the apparatus to various elevations along said guide rails, said guide rails being adjustable in position by the power hoisting means; an elongated drill stem adapted to extend along between said guide rails and formed with longitudinal key means, said drill stem being detachably and oscillatably connected at its upper end to the hammer assembly; guide means for slidably and oscillatably receiving the drill stem and detachably secured to the lower ends of said guide rails; wrench means slidably engaging said drill stem key means for oscillating the drill stem, said wrench



means also being detachably supported on the lower ends of said guide rails; and cables connected to oscillate said wrench means upon being alternately subjected to tension by the power means on the pile driver assembly.

2,598,455
POWER HAMMER CONSTRUCTION
Edward A. Smith, Chatham, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Application June 26, 1951, Serial No. 233,620
15 Claims. (Cl. 61—76)



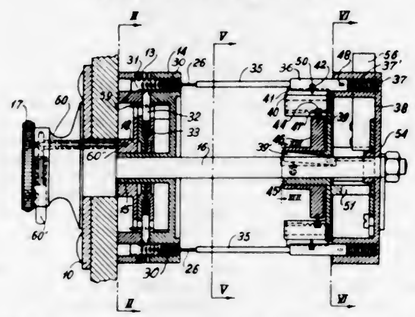
1. The combination comprising: a tubular pile core; a double piston differential type of fluid pressure hammer located in said core; a ram in said core beneath said hammer and connected to the piston rod thereof, the lower and smaller piston of the hammer being contained in a cylinder portion of external dimensions such that same is slidable within the normal working portion of the core, and the upper and larger piston of the hammer being contained in a cylinder portion larger than, and above the normal working portion of the core.

2,598,456
BOBBY PIN
Burton K. Snyder, Chicago, Ill., assignor to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware
Application January 21, 1949, Serial No. 71,787
3 Claims. (Cl. 132—50)



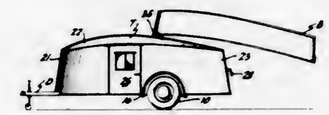
1. A bobby pin formed of resilient heat-treated metal, comprising a pair of opposing legs, and a loop connection normally urging said legs into contacting engagement, the surface metal along the outer surface of said loop connection and along the outer surface of adjacent portions of said legs being locally densified and relieved of residual tensile stresses.

2,598,457
PUSH-BUTTON OPERATED PERMUTATION LOCK
Antonio Soler Capdevila, Barcelona, Spain
Application April 14, 1947, Serial No. 741,388
In Spain April 17, 1946
3 Claims. (Cl. 70—299)



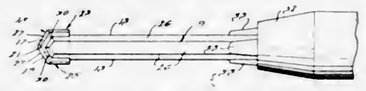
1. A push button operated permutation lock comprising in combination a central axle member and an external handle therefor, a front supporting plate adapted for attachment to the front side of a door, a plurality of feelers arranged in a circle on said front supporting plate, a two piece plate mounted behind said front supporting plate and having a plurality of cylindrical cavities therein in alignment with said feelers, slidable pins in said cavities joined to said feelers, a pawl pivotally mounted in each said pin, spring means urging said pawls outwardly from said pins, spring means urging said pins outwardly toward the front of a door, said plate having a plurality of cylindrical cavities therein parallel to said first said cavities and of equal number therewith, plungers slidably mounted in said second said cavities and being spring biassed forwardly, toothed racks on a side of said plungers for coaction with said pawl, a stem connected to each said plunger extending rearwardly, a rear plate having cylindrical cavities therein mounted on said axle member and adapted for attachment to the rear side of a door, a plurality of axially displaceable pins supported at one end thereof in said cavities in said rear plate and corresponding in number to said feelers, the ends of said pins being in line with said stems extending rearwardly from plungers and in proximity thereto, a rotatable disc on said central axle in proximity to said rear plate, slidable members mounted around the periphery of said rotatable disc and each having a tooth thereon, each said pin having a transverse slot therein, said pins being differentially and selectively displaceable axially by actuation of said feelers for aligning said slots and said teeth, a sliding plate carrying a bolt stop pin thereon operatively connected to said rotatable disc, whereby upon alignment of all said slots and all said teeth said disc may be rotated by said central axle for actuating said sliding plate displacing said bolt stop pin.

2,598,458
COMBINATION BOAT AND TRAILER ASSEMBLY
Richard E. Somers, San Pedro, Calif.
Application March 23, 1948, Serial No. 16,553
3 Claims. (Cl. 296—23)



1. A combination boat and trailer assembly which includes: a trailer having a roof formed with a centrally raised portion upwardly convex along the longitudinal axis, said roof being transversely arched and having longitudinal edges upwardly convex to a lesser degree than said raised portion, and forwardly convergent boat supporting rails extending along said roof edges; a boat mounted in inverted position on said trailer and having gunwales shaped for seating engagement with said boat rails; latch means slidably mounted within said trailer and movable laterally outwardly through said trailer roof to engage said boat gunwale and prevent displacement of said boat; locking means within said trailer to hold said latch means in an extended position; a guide rail extending longitudinally along the ridge line of said roof; and a rotatable guide wheel mounted in the bow of said boat and grooved for rotatable locking engagement with said guide rail, whereby as the stern of said boat is pulled rearwardly for demounting from said trailer said gunwales are lifted from said boat rails and the bow of said boat is guided by said guide rail until said stern is in a position to be lowered to the ground, permitting the safe demounting of the boat by one man.

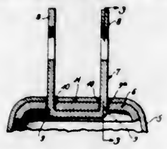
2,598,459
MASONRY DRILL
Milton J. Steffes, Dearborn, Mich., assignor to Super Tool Company, Detroit, Mich., a corporation of Michigan
Application February 7, 1947, Serial No. 727,027
1 Claim. (Cl. 255—61)



A drill including a hexagonal rod engageable by a driving tool at one end and having a slot in the opposite end extending through apices at diametrically opposite sides of the rod, and a bit secured in said wall of a width substantially wider than the dimension across the apices of said rod so as to extend therebeyond, the top and side edges of the bit being relieved in opposite directions on opposite sides of the center thereof,

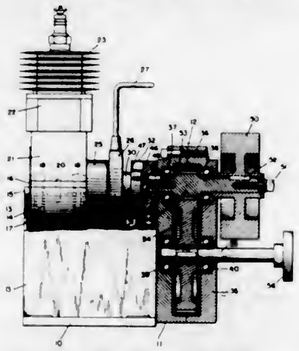
the end of the bit sloping from the center to the sides with the meeting line at the center disposed angularly, with the center of the line located on the center of the bit.

2,598,460
INSULATOR CAP
Leland J. Stevens, Baltimore, Md., assignor to General Electric Company, a corporation of New York
Application April 14, 1950, Serial No. 155,997
3 Claims. (Cl. 287—20.1)



1. An insulator cap comprising a bell having slots extending through its closed end, a reinforcing plate within said bell nesting against the closed end thereof, said reinforcing plate having slots therethrough in alignment with the slots through said bell, said slots thru said reinforcing plate having burrs thereon extending into the slots in said bell, and a clevis having its closed end positioned against said reinforcing plate, said clevis having prongs extending through the aligned slots in said reinforcing plate and bell, said burrs being wedged between said prongs and the sides of the slots through said bell to lock said bell, reinforcing plate, and clevis together.

2,598,461
INTERNAL-COMBUSTION ENGINE
Theodore O. Strauss, New York, N. Y.
Application June 26, 1947, Serial No. 757,129
3 Claims. (Cl. 121—194)



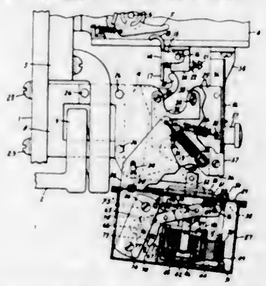
1. An internal combustion engine comprising two unitary assemblies, one assembly comprising a cylinder, a piston, a crank case, and a crank shaft permanently journalled in said case and the other assembly comprising a reduction gear casing, shafts journalled in the casing and projecting outwardly therefrom and a flywheel on an outwardly projecting portion of one of said shafts; and readily separable and connectible coupling means on the crank shaft and an outwardly projecting portion of the last-mentioned shaft, whereby the first assembly may be removed from the second for repair or replacement by a similar assembly, without disturbing the second assembly.

2,598,462
CONVERTIBLE GARMENT
Kate Rebecca Strauss, Bronx, N. Y., assignor to Famous Bathrobe Co., Inc., New York, N. Y., a corporation of New York
Application July 7, 1950, Serial No. 172,604
3 Claims. (Cl. 2—69.5)



1. An infant's enclosing garment of the character described, comprising a front body-and-legs covering member, a rear body-and-legs covering member connected thereto along the top, sides and bottom of the garment, a neck opening at the top of the garment, sleeves at the upper side edges of the garment, a centrally disposed elongated slit in the front member extending lengthwise thereof from the neck opening to the bottom of the garment, a centrally disposed shorter slit in the rear member extending lengthwise from the bottom upwardly to a crotch point below the middle thereof, separable fasteners positioned along the edges defined by both slits, a first slide permanently and slidably engaged to the separable fasteners on the upper portion of the front member, stop means to limit movement of said first slide from between the neck opening and a crotch point on the front member opposite the upper limit of the slit in the rear member, a second slide permanently and slidably engaged to the separable fasteners on the front member on one side of the slit below the lower limit of movement of the first slide, and a third slide permanently and slidably engaged to the separable fasteners on the rear member on the other side of the slit therethrough, whereby the garment may be arranged optionally in sack form or in legged form.

2,598,463
TIME ELEMENT ELECTROMAGNETIC DEVICE
Gerald H. Syrovy, Swampscott, Mass., and Joseph W. Seaman, Kennett Square, Pa., assignors to General Electric Company, a corporation of New York
Application June 4, 1945, Serial No. 597,464
9 Claims. (Cl. 200—108)

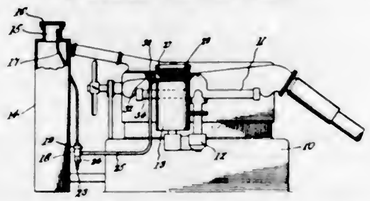


5. In combination, a circuit breaker movable tripping member having an overcurrent responsive operating means including a movable armature, a short time delay mechanism having operating connections with the armature for retarding the tripping movement thereof in a relatively high overcurrent tripping range, said connections including a spring for yielding to effect unretarded movement of the armature when the current exceeds the upper limit of the relatively high overcurrent tripping range, means including a separately adjustable spring having one end connected with the short time delay mechanism for varying the lower limit of said relatively high overcurrent range upon adjustment of the spring, and a long time delay mechanism having a connection with the other end of the spring to retard the tripping movement of the armature in a relatively low overcurrent tripping range with a time delay varying inversely with the current value within the limits of the range, and an independently adjustable spring having a connection with the armature for independently varying the lower limit of the relatively low overcurrent tripping range upon independent adjustment of the spring.

2,598,464
DYNAMOELECTRIC MACHINE
Charles A. Thomas, deceased, late of Fort Wayne, Ind., by Jeanne M. Thomas, administratrix, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 10, 1951, Serial No. 225,489
6 Claims. (Cl. 171—206)

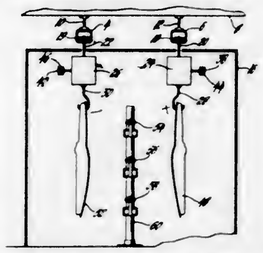
1. An armature for a dynamoelectric machine of the commutator type having an even number of winding slots and an odd number of commutator bars, a winding for said armature, said winding having an integral number of full coils per slot plus an additional number of full coils equal to one-half the number of slots, said winding being wound with an odd number of coil sides per slot.

2,598,465
VAPOR INJECTOR
Raymond G. Thomas, Monticello, Iowa
Application January 14, 1947, Serial No. 721,941
3 Claims. (Cl. 123—25)



1. For use with a power plant including an internal combustion engine having an induction system including an air strainer and a cooling system including a radiator having an overflow pipe, a water vapor injector comprising a fitting adapted to be secured to the lower end of the overflow pipe and having a normally closed opening for excluding atmospheric air but openable under pressure of water in the overflow pipe to discharge such water, a vapor tube connected to one end of said fitting for placing the tube in communication with the vapor space of the radiator, and a holder member comprising a base plate adapted to be attached to the air strainer, an airfoil section adapted to be located in the current of air drawn by the engine suction into the strainer and having means for holding the other open end of the vapor tube exposed at that portion of the airfoil section having substantially maximum suction, a diagonal leg section, and a tongue turned up from the lower end of the diagonal leg section and placed against said base plate.

2,598,466
ELECTROSTATIC SPRAY PAINTING METHOD AND APPARATUS
Charles Derwood Tuttle, Trenton, Grayland T. Larsen, Wyandotte, and Lewis J. Lamm, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 13, 1948, Serial No. 38,534
4 Claims. (Cl. 117—93)

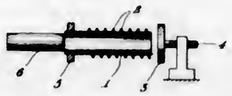


4. A method of electrostatically depositing particles of coating material on the extended surface of two articles of manufacture simultaneously consisting of producing a gaseous suspension of the particles of coating material, placing a negative electric potential on one of said articles and a positive potential on the other of said articles, spacing said articles apart from each other with at least a part of said extended surfaces in opposing relationship and moving said articles simultaneously through said suspension of coating material in a direction generally parallel to said part of the extended surfaces opposing each other to thereby permit the said particles to be attracted to the surface of said articles by electrostatic attraction.

2,598,467
COMPENSATING MEANS FOR VARIABLE INDUCTANCES HAVING MAGNETIC CORES
Ewoud Adriaan van Yzeren, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Continuation of application Serial No. 479,466, March 17, 1943. This application December 20, 1950, Serial No. 213,431. In the Netherlands November 9, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires November 9, 1960
3 Claims. (Cl. 336—77)

1. An adjustable inductance tuning unit comprising a coil, a core of magnetic material movable into and out of said coil in an axial direction to vary the inductance thereof between maximum

and minimum values, a conductive non-magnetic member for and spaced beyond each end of said coil in axial alignment therewith for determining the maximum and minimum inductance values,

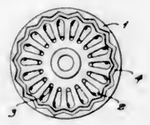


respectively, of said unit, and adjustable means to space each of said conductive non-magnetic members with respect to the ends of said coil to adjust said maximum and minimum inductance values of said unit.

2,598,468
METHOD FOR PRODUCTION OF CHOLESTEROL
Peter Vaterrodt, Rutherford, and James McNellis, Fairlawn, N. J., assignors to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey
Application February 3, 1950, Serial No. 142,191
3 Claims. (Cl. 260—397.2)

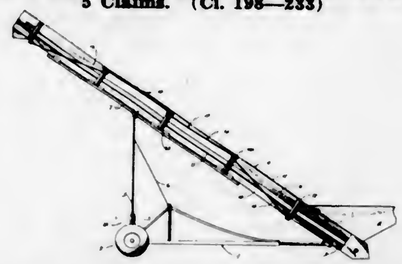
1. A method for producing cholesterol from lanolin alcohols, which comprises dissolving lanolin alcohols in a solvent consisting of a mixture of a ketone and an alcohol at a temperature about 134° F., lowering the temperature to the degree at which lanosterol is precipitated out of the solution, and separating the same, removing the solvent from the solution of cholesterol and aliphatic alcohols which remain after removal of the lanosterol, employing a second solvent consisting of ethylene dichloride or its equivalent to take up the cholesterol and aliphatic alcohols, adding a mixture of maleic and oxalic acids to form an addition product with the cholesterol at a temperature of about 180° F., lowering the temperature and crystallizing out the cholesterol addition product, dissolving the addition product in a solvent selected from the group of alcohols and ketones and mixtures thereof, at an elevated temperature, and cooling the last-named solution until precipitation of the cholesterol.

2,598,469
ROTOR FOR HOMOGENIZERS
Nicolai von Korshenewsky, Stockholm, Sweden, assignor to A. B. Strateg, Lidingo, Sweden
Application August 25, 1950, Serial No. 181,402
In Switzerland October 20, 1949
9 Claims. (Cl. 259—130)



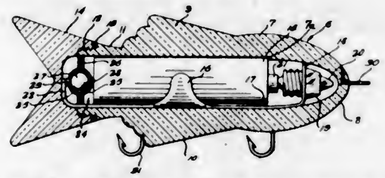
1. A rotor for mixing machines of the type of homogenizers, said rotor comprising a flat circular cylinder provided with a groove on at least one of the circular surfaces of the rotor, said groove having sharp edges and extending along an undulate line concentric with the rotational axis of the rotor, and a plurality of narrow channels extending through the rotor in directions substantially parallel to the rotational axis.

2,598,470
ELEVATOR HAVING REINFORCING TRUSS RODS
Wilhelm Vutz, Coldwater, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application August 22, 1950, Serial No. 180,850
5 Claims. (Cl. 198—233)



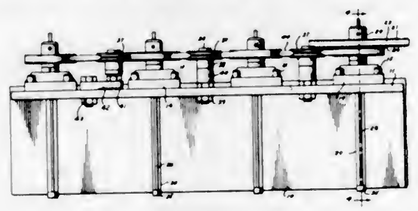
1. In combination in a portable agricultural elevator, a portable truck, an inclined conveyor pivotally secured near its lower end to one end of said truck, a boom for adjustably supporting said conveyor, said boom being pivotally secured to said truck at its end opposite its attachment to said conveyor, said boom bearing against the underside of said conveyor in supporting relationship therewith, said conveyor comprising a plurality of detachable sections each comprising upper and lower trough members held in parallel spaced relationship by integrally secured transverse supporting members located at the ends of said trough members, said transverse members at the ends of adjacent sections of said conveyor being releasably secured together, anchor fittings secured to said transverse members adjacent the top edge of the assembled conveyor remote from the point of bearing support of said boom, a plurality of truss rods adjustably secured to said anchor fittings and extending along each lateral face of said conveyor substantially parallel with its top edge, additional truss rods diagonally disposed between the end anchor fittings and the bottom edge of said conveyor, all of said truss rods being disposed substantially within the depth of the assembled conveyor.

2,598,471
ILLUMINABLE ARTIFICIAL FISHING BAIT
Cyril W. Waite, Cleveland, Ohio
Application October 23, 1946, Serial No. 705,171
1 Claim. (Cl. 43—17.6)



An artificial illuminable lure comprising a body including a forward section closed at its forward end and open and externally screw-threaded at its trailing end and defining a chamber, the forward end portion of said chamber being reduced in diameter and providing a stop shoulder, a one-piece multipurpose holder of a length substantially commensurate with the length of said chamber and fitting removably into said chamber, said holder embodying an elongate strip having opposed battery saddling clips intermediate its ends, having a laterally disposed forward end which is axially apertured and provided with a forwardly protruding truncated conical bulb embracing and holding collar, and also having a laterally directed rearward end projecting slightly beyond and partially spanning the corresponding open end of said chamber, a bulb removably lodged in said collar, a dry cell battery seated in said clips and resting on said strip, engaging said bulb and abutting said shoulder, a readily insertable and removable circuit make-and-break unit embodying a shell of insulation material interposed between the rear end of the battery and embodying an elongated chamber, a ball rollable in said chamber, diametrically opposite contact buttons mounted in opposed walls of said shell and having inner ends exposed within the limits of said chamber and their outer ends exposed and projecting beyond the exterior surface of said walls, said unit fitting in an existing space between said dry cell battery and rearward laterally directed end and said buttons engaging the latter and said dry cell, said holder, bulb, battery and circuit make and break unit providing a ready insertable and removable assemblage and the engagement of said battery with said shoulder serving to establish the proper position of said assemblage, and a closing cap screwed on the screw-thread rear open end of said body and having end thrust retention contact with said rearward laterally directed end.

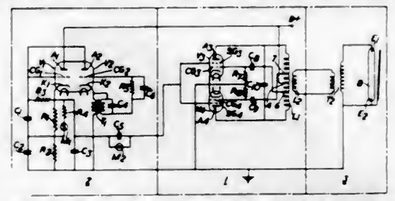
2,598,472
MEANS FOR ASSEMBLING A PLURALITY OF FLAT ARTICLES
Harold G. Walsh, Lima, Ohio, assignor to Walsh Specialty Company, Inc., Lima, Ohio, a corporation of Ohio
Application December 3, 1948, Serial No. 63,388
5 Claims. (Cl. 214—1)



1. A machine for arranging a plurality of flat blanks having a keyway in the internal diameter thereof in perfect alinement comprising a base member, a spindle mounted in the base member for rotary movement relative thereto, means to impart rotary movement to the spindle, a support carried by the base provided with a recess therein in which the spindle is seated, and inclined surfaces on the support merging with the recess whereby the keyway of the blank will be guided to the spindle during rotation thereof for stopping each blank in alinement with the other blanks.

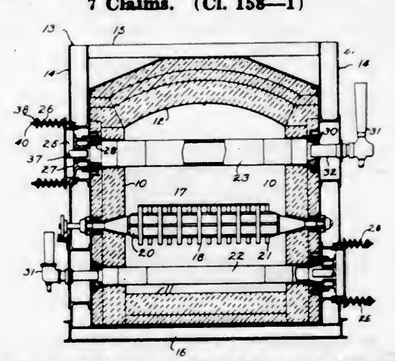
2,598,473
ELECTRIC OSCILLATION GENERATOR
Arthur Richard Warner, London, and Derrick Arnott Ward, Beddington, England
Application October 7, 1949, Serial No. 120,014
In Great Britain March 1, 1949
5 Claims. (Cl. 250—36)

1. An electric oscillation generator comprising in combination a valve oscillator stage, a sawtooth waveform generator, said sawtooth waveform generator comprising a capacitance, means for varying the charge on said capacitance relatively slowly by discharging it from a condition of predetermined charge and polarity and recharging it with opposite polarity, and means



for discharging said capacitance and recharging it with opposite polarity to said condition relatively rapidly, an impedance across which the output of said sawtooth waveform generator is developed and means the potential of which controls the output of said oscillator stage connected to said impedance.

2,598,474
FURNACE WITH SECTIONAL RADIANT TUBE
Ernest W. Weaver, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application June 11, 1949, Serial No. 98,521
7 Claims. (Cl. 158—1)

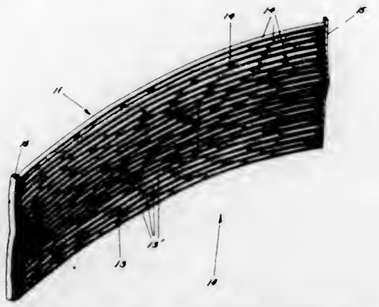


1. A furnace comprising structure defining a furnace chamber, a horizontally extending tubular heating element disposed in said chamber, support means attached to said structure for vertically supporting said element at the ends thereof, said element comprising tubular sections in abutting end to end relation, and means for maintaining said sections in axial alignment consisting of means supported on said structure for maintaining said element under compressive stress sufficient to produce compressive forces across the adjoining faces of the abutting ends of the tubular sections, thereby vertically supporting the entire element in the furnace chamber between support means.

2,598,475
ANTENNA SYSTEM
Harold T. White, Jr., Darien, Conn., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 17, 1945, Serial No. 635,484
5 Claims. (Cl. 250—33.65)

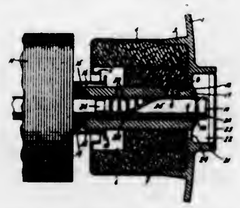
1. In an antenna system: a reflecting element having a plurality of relatively angularly-dis-

posed, parabolic reflecting surfaces the cross-sections of which, together, and in the absence of said angular disposition, define a single parabola; said reflecting surfaces having focal points which are displaced with respect to each other; and a



directional radiating element disposed relatively closer to a selected one of said focal points than to the others, and having its radiation pattern overlapping said reflecting surfaces and illuminating one more intensely than the others.

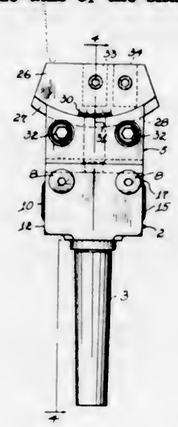
2,598,476
BEARING ASSEMBLY
Lawrance W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 3, 1949, Serial No. 68,995
6 Claims. (Cl. 308—121)



1. In combination, a shaft, a bearing for rotatably supporting said shaft, and means for feeding lubricant to the journal surface of said shaft, said journal surface having a pair of lubricant guiding means formed thereon presenting a substantially V-shaped configuration along the axis of said shaft and at least one peripheral undercut portion connecting said lubricant guiding means and only partially encircling said shaft whereby lubricant fed to said journal surface by said lubricant feeding means is pumped along said journal surface in the same direction by the trailing one of said lubricant guiding means regardless of the direction of rotation of said shaft.

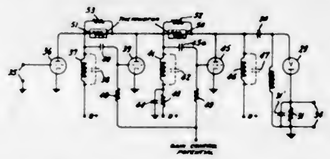
2,598,477
CHUCK ATTACHMENT FOR BORING TOOLS
Charles F. Wilberschied, Cleveland, Ohio
Application July 28, 1947, Serial No. 764,043
1 Claim. (Cl. 279—6)

A boring attachment for milling machines consisting of a head attachable to the arbor of a milling machine, a partly slitted tool supporting slide member micrometrically shiftably coupled with the head of the attachment, curved grooved means in the slitted part of the slide member, a tool support having curved rib means extended into and engaged with said curved grooved means in the slitted part of said slide member, the axis of said grooved means extending in a plane containing the slide axis of the slide member and



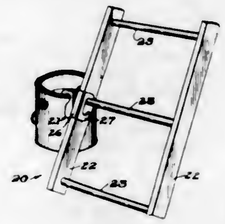
being rectangularly related to the longitudinal axis of said head, and clamping means extended through the slitted part of said slide member adapted to frictionally lock the tool support in selected positions.

2,598,478
DEGENERATIVE FEEDBACK RADIO AMPLIFYING SYSTEM
Joseph A. Worcester, Jr., Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application February 5, 1948, Serial No. 6,368
3 Claims. (Cl. 179—171)



1. An amplifier system comprising a plurality of cascaded electron discharge devices, each of said devices having an anode and a control electrode, means for impressing signals on the control electrode of the first device of said system, tuned circuit means for coupling the respective anodes of each of said devices to the control electrode of the next succeeding device in said system, an output circuit coupled to the anode of the final discharge device of said system, degenerative resistance means for coupling the respective anodes of each of said devices to the anode of the next preceding device in said system, and control means for varying the gain of said electron discharge devices, each of said resistance means having such resistance-current characteristic that the resistance thereof varies inversely with the degenerative current passing therethrough, whereby the degenerative feedback energy between said stages and the bandwidth of said system are both functions of the gain of said stages.

2,598,479
PAINT BUCKET HOLDING DEVICE
James W. Wraith, Columbus, Ohio
Application December 6, 1949, Serial No. 131,354
9 Claims. (Cl. 248—211)



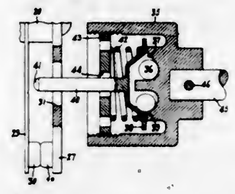
1. A paint bucket holder comprising a first body shaped to extend partially around a side rail of a ladder and hang on a rung thereof; a second body pivotally supported on said first body at the outer side of said side rail, said second body having spaced flanges forming hooks which project away from the ladder side rail then downwardly and terminate in portions extending back toward the ladder, said flanges also forming stop strips below the hooks, said stop strips engaging the outer side of a paint bucket supported on said hooks.

2,598,480
POWER-OPERATED SAW HAVING OPPOSITELY RECIPROCATING SAW BLADES
John W. Wright, Bridgeport, Conn.
Application December 1, 1947, Serial No. 789,046
19 Claims. (Cl. 143—68)



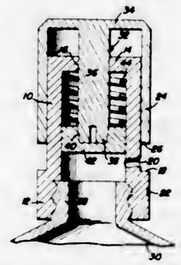
2. In a saw of the class described including a pair of blades in face to face juxtaposition, fluid operated motor means operatively connected with the blades for reciprocating the same simultaneously in opposite directions and means for supplying operating fluid to the motor means and exhausting the same therefrom, cooperating parallel rib means respectively on the juxtaposed faces of the blades extending longitudinally adjacent the back edges thereof, other cooperating parallel rib means on said faces parallel with the first rib means and in spaced relation thereto adjacent the tooth edges of the blades, said last named rib means extending respectively from opposite ends of said tooth edge with their adjacent ends in longitudinally spaced relation to each other and forming a gap between said adjacent ends communicating with the space between the first named and second named rib means, said rib means forming splines connecting the blades together, and the space between said blade faces and the first rib means and second rib means and said gap constituting a channel forming a part of said exhaust means for directing exhaust fluid longitudinally between said blade faces and then outwardly between the tooth edges.

2,598,481
CENTRIFUGALLY OPERATED MOTOR SPEED GOVERNOR
James F. Young, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 24, 1949, Serial No. 135,016
2 Claims. (Cl. 264—17)



2. In a governor of the type having an element mounted on the end of a rotating shaft and a portion of said element expanding axially of said shaft upon rotation, that improvement in said element comprising a holder in the form of a cup coaxially secured to said shaft end with an open face facing away from said shaft end, a dished ball-track in said cup, a nut adjustably threaded into said open face of the cup, a central passageway through said nut, a plurality of flyballs on said dished track, a ball retainer with a dished face slidably mounted to move axially within said cup opposite said dished track and said flyballs, said flyballs, upon rotation of said cup, biasing said ball retainer face away from said ball-track, an axial finger on said ball retainer extending outside of said cup through said passageway in said nut and a coiled compression spring wholly within said cup, positioned around said finger and actively extending between said nut and said ball retainer, opposing the bias of said retainer by the action of said flyballs.

2,598,482
DISPENSING CAP FOR COLLAPSIBLE TUBES
Harry Abrams, Philadelphia, Pa.
Application February 28, 1950, Serial No. 146,734
7 Claims. (Cl. 222—496)



1. A dispensing cap comprising an inner sleeve having an internally threaded neck at one end and an opening at its other end, an outer sleeve surrounding said inner sleeve and slidably received on said inner sleeve, said inner sleeve having a dispensing opening therein, valve means carried by said outer sleeve and slidably received in the opening in one end of said inner sleeve, means urging said valve means to its closed position, and cam means between said sleeves for locking the outer sleeve against sliding movement on the inner sleeve.

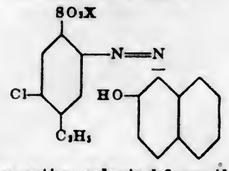
2,598,483

PIGMENTS FROM 2-CHLORO-5-AMINO-ETHYLBENZENE - 4 - SULFONIC ACID AND BETA NAPHTHOL

Frederic Henry Adams, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 16, 1949, Serial No. 110,667
6 Claims. (Cl. 260—197)

1. A compound of the formula:



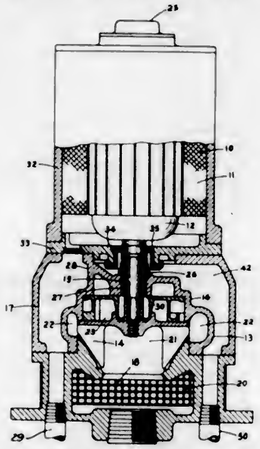
in which X is a cation selected from the class consisting of the alkali metals and the alkaline earth metals.

2,598,484

BEARING SEAL ASSEMBLY

Harold E. Adams, Norwalk, Conn., assignor to Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut

Application October 19, 1945, Serial No. 623,361
10 Claims. (Cl. 103—87)



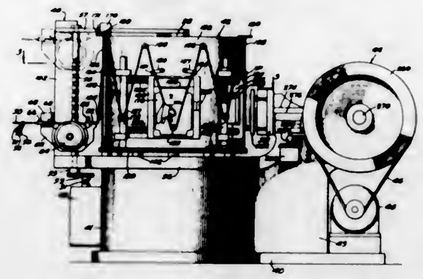
1. A rotary unit type dual purpose shaft seal for a shaft passing through a pair of openings in a pair of walls respectively spaced to define a space therebetween, comprising a member near one end of said seal having an inner substantially cylindrical section adapted to embrace said shaft in the opening of one of said walls and to be secured thereto for rotation therewith, and a longer substantially cylindrical outer flange encircling said inner section and having a journal connection with said latter wall, said outer flange having an end radial extension to form with the latter wall a labyrinthic seal against flame propagation from one side of said latter wall into said space, a member near the other end of said seal adapted to bear against the end face of a shaft bearing in the opening of the other wall to form a seal against leakage of liquid from one side of said other wall into said space, and a collapsible annular element in said space connected at its ends to said inner cylindrical section and said latter member respectively and adapted to encircle said shaft, said collapsible element being adapted to rotate with said shaft and being housed within said outer flange.

2,598,485

APPARATUS FOR FEEDING AND DISTRIBUTING ELECTRICAL CORDAGE

Robert T. Adams, Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application January 11, 1945, Serial No. 572,413, now Patent No. 2,422,282, dated June 17, 1947. Divided and this application May 16, 1947, Serial No. 748,376
11 Claims. (Cl. 28—1)



1. Apparatus for feeding electrical cordage having a textile covering and conductors extending outwardly from the covering at intervals, which comprises a carrier for advancing the cordage, means for feeding the cordage to the carrier, and means for controlling the cordage-feeding means including a tripping mechanism actuated by the conductors extending from the covering and another tripping mechanism actuated at intervals by movement of the carrier, whereby the portions of the cordage where the conductors extend outwardly are placed upon the carrier in a predetermined relationship.

2,598,486

ELECTROLYTIC TIN PLATING BATHS

John W. Andrews, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey

No Drawing. Application January 12, 1951, Serial No. 205,823
12 Claims. (Cl. 204—54)

1. An electrolytic tin plating bath consisting of an aqueous acid solution of 10 to 80 grams per liter of tin in the form of a stannous salt of an acid of the group consisting of phenolsulfonic acid, benzene meta-disulfonic acid and sulphuric acid, and the reaction product formed by dissolving an amine in said solution and gradually adding formaldehyde thereto at a temperature of 40° to 60° C., the amine being present in a concentration of 2 to 6 grams per liter and being of the group consisting of aniline, toluidine, xylidine and chloraniline, the formaldehyde being present in an amount of 1 to 3 mols of formaldehyde per mol of amine, said solution having a total free acid content expressed as the H_2SO_4 equivalent of 20 to 50 grams per liter.

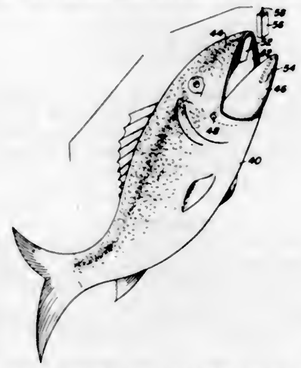
2,598,487

FISHING GAME

Louis J. Anechiarico, Endicott, N. Y.

Application June 23, 1949, Serial No. 100,794
1 Claim. (Cl. 273—140)

In a fishing game, the combination of a fishing line, a magnet attached to said line, a fish-like body having an openable mouth including a stationary jaw and a pivoted jaw movable toward and away from the stationary jaw, a pair of metallic members capable of attraction by a magnet provided in opposing relation on said



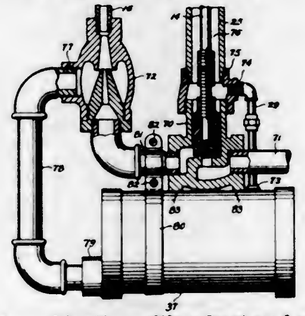
jaws, said magnet being receivable in said mouth and adapted to attract said members, whereby the mouth may be automatically closed and said body connected to said line, and a spring between said jaws for urging the same to an open position.

2,598,488

WATER SERVICE FIXTURE

Thomas E. Bart, Cincinnati, Ohio, assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio, a corporation of Ohio

Application September 3, 1946, Serial No. 694,601
2 Claims. (Cl. 137—13)



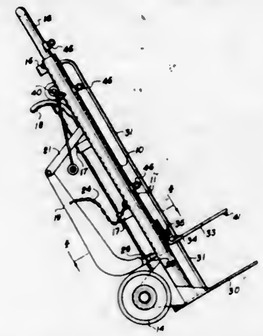
1. The combination with a frost and pollution-proof hydrant comprising a water jet ejector, a riser connected to the outlet of said ejector, a reservoir, and a suction line connecting said ejector to said reservoir, the reservoir being adapted to receive riser drainage when the supply of water to said ejector is shut off, of a control valve assembly which comprises a hollow valve body having an inlet port, an outlet port connected to the inlet of the ejector for supplying water under pressure to the ejector, and a control port, a valve seat in said body between the inlet and outlet ports and facing the control port, a valve member reciprocably mounted in the control port for movement from an open position in which the inlet and outlet openings are in communication to a closed position in which the valve member engages the valve seat to interrupt communication therebetween, an elongated valve actuating rod attached to and extending upwardly from the valve member, an elongated hollow water-tight housing attached to the control port of the hydrant and surrounding the actuator rod and extending upwardly to above ground level, the diameters of said valve member and housing being such that the valve member may be withdrawn by said rod from the valve body through said housing, a vent conduit connecting the interior of said reservoir to the interior of said elongated housing at a point above said valve, above the reservoir and below frost level means for normally yieldingly urging the actuator and valve member to closed position, and means for lifting the actuator and valve member to open the valve.

2,598,489

HAND TRUCK AND LIFT

Elton A. Bayer, Sioux Falls, and Louis D. Langdon, Centerville, S. Dak.

Application April 21, 1950, Serial No. 157,386
4 Claims. (Cl. 214—100)



1. A hand truck and lift comprising a frame, said frame comprising a pair of spaced parallel bars, wheels supporting said frame at one end thereof; a fixed lift plate carried at one end of the frame, a second movable lift plate slidable longitudinally of the frame toward and away from the fixed lift plate, means for selectively moving the movable lift plate relative to the fixed plate, track rails carried by said frame in spaced parallel relation to said parallel bars, said movable lift plate having guiding means receiving said track rails for guarding the sliding movement of said movable lift plate, and said movable lift plate comprising a flange extending between said rails and bars and rearwardly of said track rails, and rollers carried by said flange and engaging said track rails to resist forward tilting of the movable lift plate.

2,598,490

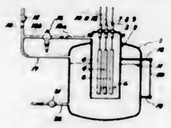
CONTROL OF THE STEAM GENERATION IN ELECTRIC STEAM BOILERS

Gösta Valdemar Berg, Karlskoga, and Nils Johan Hallman, Stockholm, Sweden, assignors to Aktiebolaget Zander & Ingestrom, Stockholm, Sweden

Application August 6, 1947, Serial No. 766,696
In Sweden April 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 27, 1965
7 Claims. (Cl. 219—40)

6. In an electric steam generator, a vaporizing chamber, an electrode extending downwardly thereinto for immersion in chamber-contained water to be vaporized, a storage chamber in

water-interchange communication with said vaporizing chamber, a steam connection between the upper portions of said vaporizing and storage chambers and a main offtake for the generator steam in unobstructed communication with the storage chamber end of that connection, a throttling valve in said steam connection intermediate the two chambers, and control means for said valve responsive to the steam pressure in one of



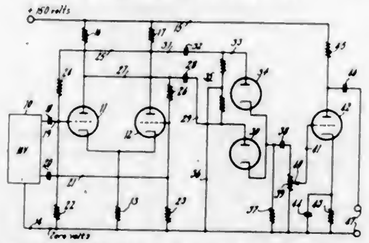
said two chambers and effective to vary the valve-introduced resistance to steam flow out of the vaporizing chamber in accordance with said pressure whereby to govern the vaporizing chamber water level and electrode immersion in a way which automatically keeps the rate of steam generation in the vaporizing chamber matched with the rate at which steam leaves the generator by way of said main offtake.

2,598,491

PEAKED PULSE GENERATOR

Carl A. Bergfors, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 29, 1948, Serial No. 67,884
2 Claims. (Cl. 250—27)



2. In an electronic circuit for producing substantially vertical negative pulses at preselected uniform time intervals, a source providing substantially square voltage waves of preselected frequency; a full wave rectifier connected to be conductive in response to said source to produce a series train of substantially tangential positive pulses; a grid controlled clipper amplifier conductive to saturation in response to a voltage represented by the highest voltage value of the tangential portions of said pulses for producing such vertical negative pulses substantially devoid of exponential portions, and circuit means for applying said positive pulses to the control grid of said amplifier to produce said negative pulses.

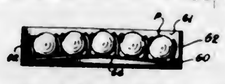
2,598,492

HOLDING AND PACKAGING MEANS FOR PHARMACEUTICAL PHIALS AND THE LIKE

Jean Boës, Boinvilliers par Vert, France

Application May 21, 1949, Serial No. 94,634
In France May 26, 1948
6 Claims. (Cl. 206—65)

1. A phial holder comprising a resilient elongated base strip, a plurality of phial-clamping fingers struck from, and integral with, the base strip and extending perpendicularly therefrom, said fingers being disposed in longitudinal rows and aligned transversely in spaced pairs, and curved lips formed at the ends of the fingers, said lips all being directed one way in one row of fingers and directed in the opposite direction



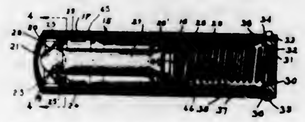
in the other row, the fingers in any longitudinal rows being spaced such a length as to be outwardly urged upon insertion of a phial therebetween, said insertion causing said base strip to assume cambered position.

2,598,493

BALL-TYPE LIPSTICK APPLICATOR

Herman Bogin and Abraham Gold, Bronx, and Herman Gold, Flushing, N. Y., assignors to Gold Bros., Inc., New York, N. Y.

Application June 30, 1947, Serial No. 758,008
7 Claims. (Cl. 15—132.7)



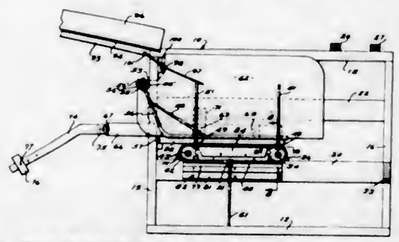
1. In a lipstick applicator having a tubular sleeve open at one end and closed at its other end by a shell cup rotatably supporting a ball applicator to engage one end of a lipstick, means for urging the end of the lipstick continuously against the ball applicator, comprising a tubular barrel having one end slidably inserted into the open end of the sleeve, a cap closing the outer end of said barrel, a piston slidably mounted in said barrel, the lipstick being adapted to have its end opposed to the end which engages the ball applicator extended into the inner end of said barrel and connected with the adjacent end of said piston, an expansile coil spring having one end nested in said cap, and means securing the opposite end of said coil spring to the end of said piston opposite the end adapted to be engaged by the end of the lipstick, said securing means comprising a disc secured in position within a hollow formed in the end of said piston engaged by said spring, and a pair of opposed prongs stamped from the material of said disc and beneath which several convolutions of the adjacent end of said coil spring are clamped.

2,598,494

WEIGHING APPARATUS

Paul M. Bolick, Anaheim, Calif.

Application September 6, 1949, Serial No. 114,103
6 Claims. (Cl. 249—16)



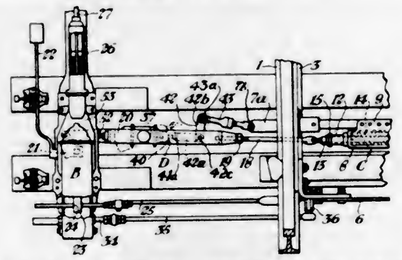
1. In a weighing apparatus, an endless member, means to support the endless member, a scale structure including spaced fingers disposed above the endless member and forming the bottom of a receptacle, spaced sets of spaced members carried by said endless member and movable between said fingers, one set of the spaced members forming one end of the receptacle, another set of the spaced members forming the other end of the receptacle, a motor connected to the endless member to drive the endless member, a switch for the motor actuated by the weight of objects in the receptacle when the weight is made to cause said motor to operate to cause the endless member to advance, means to stop the motor after it has advanced the endless member, a counting mechanism and an operating member carried by the endless member for operating the counting mechanism.

2,598,495

RAILWAY SWITCH OPERATING APPARATUS

Herbert L. Bone, Forest Hills, and Robert A. Woods, Verona, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application September 10, 1948, Serial No. 48,584
17 Claims. (Cl. 246—291)



1. Railway switching apparatus, comprising a railway switch movable between two extreme positions, an operating device movable between two positions to actuate the switch to its corresponding positions, means connecting the operating device to the switch including a rigid rod structure adjacent the device and spring means between the rod structure and the switch, said spring means being effective to permit movement of the switch by a trailing train away from the position selected by the operating device, buffer means for delaying the return movement of the switch by the spring means after passage of a trailing train including a buffer cylinder mounted on the rigid rod structure, a buffer piston movable in the cylinder, and a toggle linkage connecting said buffer piston to the switch, said toggle linkage being in its dead center position when the switch position corresponds to the position of the operating device, and being moved away from said dead center position as the switch moves away from the position selected by the operating device.

2,598,496

STABILIZATION OF VINYL HALIDE POLYMERS WITH A SALT OF A HYDROCARBON SUBSTITUTED BENZOIC ACID

Theodore F. Bradley and De Loss E. Winkler, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 21, 1950, Serial No. 139,966
16 Claims. (Cl. 260—45.75)

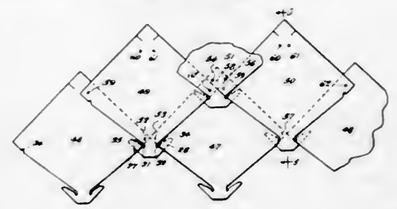
1. A process for stabilizing a vinyl halide polymer against deterioration on exposure to heat and light, said process comprising incorporating in said polymer a minor percentage of a bivalent metal salt of a hydrocarbon-substituted benzoic acid.

2,598,497

SHINGLE

John R. Brown, Woodmont, and Clinton I. Read, Stratford, Conn., assignors to Tilo Roofing Company, Inc., Stratford, Conn., a corporation of Delaware

Application September 9, 1949, Serial No. 114,792
4 Claims. (Cl. 108—7)



3. In a roof structure, a series of courses of shingles, each shingle being formed within the general outside outline of a rhombus and being laid in each course to have a free weather corner and being firmly affixed to the roof substantially at the corners above and nearest said free weather corner and to have said affixed corners substantially abutting like affixed corners in adjacent shingles in the same course, each of said shingles having its free weather corner cut away to form a tab and a main recess with said body on opposite sides thereof, said tabs and said recesses being formed within an outside outline of said shingle, said tabs interlocking with the adjacent shingles of the next lower course relatively near the points of the fastenings of those adjacent shingles to the roof, each of said shingles having supplemental recesses formed therein and subtending from the inner ends of said main recesses and having the longer axis of each of the supplemental recesses forming an angle with the longer axis of each adjoining main recess, each of said shingles as assembled on the roof structure being positioned to have an edge of each of the adjacent shingles in the next lower course coincide approximately with the intersection of the axes of said main and said supplemental recesses thereby providing spaces substantially equal to the lengths of said supplemental recesses for allowing the free weather corner of each of said shingles to have limited upward movement between the free corner of each shingle and the fastened parts of said adjacent shingles that are engaged by said tabs before said tabs are locked against further movement thereby reducing tearing of said shingle tabs at the base of said main recesses.

2,598,498

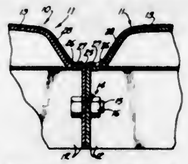
ENAMEL COATED ARTICLES AND METHOD OF MAKING SAME

Ralph Brown, Fall Brook, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California

Application September 10, 1948, Serial No. 48,708
7 Claims. (Cl. 117—129)

1. In a process of coating a metal article with vitreous enamel wherein said article has a top surface and a side edge portion and is adapted to be assembled in side-by-side abutting relation-

ship with the side edge portion of a similar article to form a panel structure and in which the top surfaces only are provided with a vitreous enamel coating whereby the panel structure has an apparent continuous vitreous surface, the steps of: forming said article so that said top surface merges with said side edge portion at an acute angle to form a shallow depression adjacent said side edge portion and a sharp corner at the junction of said top surface and said side edge portion; applying a vitreous enamel slip to said



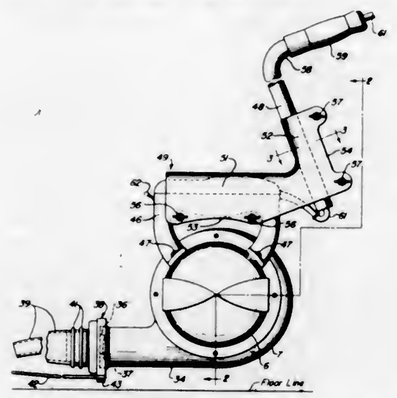
top surface; firing said article to cause said vitreous enamel to become flowable; and cooling said article to harden said vitreous enamel, the merging of said top surface with said side edge portion at an acute angle causing said vitreous enamel on firing of said article to recede very slightly from said corner and thus be prevented from flowing over said corner and onto said side edge portion and causing fracture of said enamel when said article is assembled in abutting relationship with another of said articles.

2,598,499

MANUALLY SUPPORTED BLOWER FOR CLEANING FLOORS AND THE LIKE

Grant W. Breuer, Northbrook, and Clarence W. Lanter, Bartlett, Ill., assignors to Breuer Electric Mfg. Company, Chicago, Ill., a corporation of Illinois

Application May 1, 1947, Serial No. 745,356
2 Claims. (Cl. 299—65)



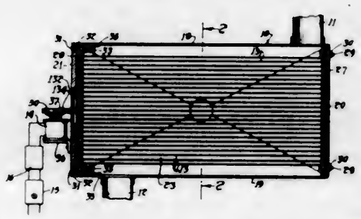
2. In a combined blower and suction device, a fan housing having an axial air inlet nozzle opening laterally of said device and a tangential air outlet nozzle extending forwardly of the bottom of said device, a fan to move a stream of air outwardly through said outlet nozzle, an electric motor connected to said fan housing to drive said fan, and means to manually support said device whereby the end of the tangential air outlet nozzle may be disposed and moved adjacent and parallel to a floor to be cleaned, said means comprising a supporting arm connected to the top portion of the rear of said device and extending upwardly and forwardly in an inclined direction from said device, and a rearwardly extending handle carried by the upper portion of said arm, said handle being in substantial vertical alignment with the center of gravity of said device.

2,598,500

AGITATING APPARATUS

Richard J. Burke, Corona Del Mar, Calif.

Application July 3, 1950, Serial No. 171,892
17 Claims. (Cl. 259—1)



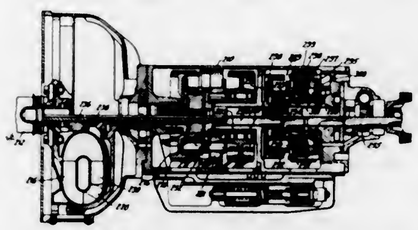
1. Agitating apparatus of the character described comprising a shell having a fluid inlet and a fluid outlet, a fluid passing nest of elongated vibratable wire-like elements extending in closely spaced relation between said inlet and outlet, means for vibrating the elements, means for controlling the vibrating frequencies of said last mentioned means, and means for variably longitudinally tensioning the elements to controllably vary their natural vibrating frequencies.

2,598,501

TRANSMISSION

Richard T. Burnett, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 30, 1948, Serial No. 41,559
9 Claims. (Cl. 74—677)



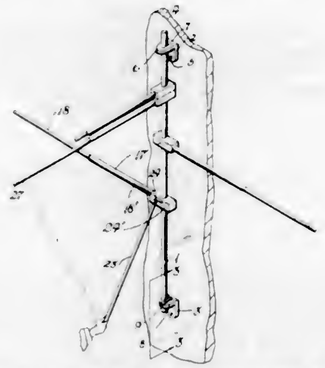
1. A transmission comprising a hydro-kinetic torque converter having rotatable bladed impeller, turbine, and reaction wheels, when rotated, said impeller wheel circulates fluid which acts on said turbine and reaction wheels tending to rotate the turbine wheel forward and the reaction wheel backward with respect to the impeller wheel, a planetary gear train including a planet carrier supporting a double planet pinion, a first gear element arranged in meshing relationship to one of said pinions, a connection between said first gear element and said turbine wheel, a second gear element arranged in meshing relationship to the other of said pinions, a connection between said second gear element and said reaction wheel, and means for taking reaction comprising a third gear element arranged in meshing relationship with said one pinion.

2,598,502

ELEVATING CLOTHES DRIER

William H. Butler, Selkirk, Manitoba, Canada

Application March 25, 1948, Serial No. 16,902
1 Claim. (Cl. 211—101)



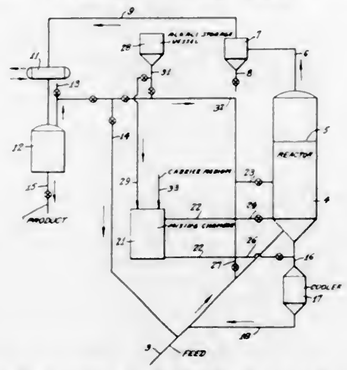
In a domestic clothes drier including a set of detachably mounted, vertically slidable, clothes hanging arm units, a pair of wall mounted, spaced and vertically aligned angle brackets, a standard secured therebetween in spaced relationship to said wall, said standard having a reduced portion adjacent the lower end thereof, the lower of said angle brackets having an open apertured standard supporting platform, and means coacting between the reduced portion of said standard and said platform to permit detachment of the lower end of said standard therefrom for the purpose of adding or subtracting clothes hanging arm units to or from said standard, said means including an angulated retainer pin extending transversely through an opening in the lower end of said standard and pivotally secured thereto, and inwardly and downwardly projecting prongs on said pin engageable within corresponding apertures in said platform.

2,598,503

SYNTHESIS OF ORGANIC COMPOUNDS

William P. Burton, Orange, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application March 29, 1947, Serial No. 738,237
11 Claims. (Cl. 260—449.6)



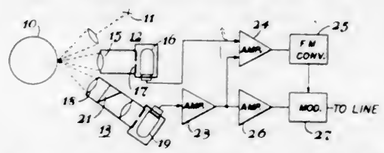
1. In a process for the hydrogenation of carbon monoxide to produce organic compounds comprising introducing a feed mixture comprising hydrogen and carbon monoxide having a mol ratio of hydrogen to carbon monoxide between about 0.7:1 and about 10:1 into a reaction zone, passing the gaseous mixture upwardly in said reaction zone through a mass comprising a finely-divided hydrogenation catalyst at a velocity sufficiently low to maintain the mass in a dense fluidized pseudo-liquid condition but sufficiently high to produce a rapid circulation of catalyst in the mass, maintaining in said reaction zone a temperature of between about 450 and about 700° F., a pressure between about 150 and about 500 pounds per square inch gage and a space velocity equivalent to at least one standard cubic foot of carbon monoxide per hour per pound of catalyst in said reaction zone, said finely-divided hydrogenation catalyst comprising metallic iron as a major component and containing initially a predetermined amount of between about 0.1 and about 3.0 weight per cent of at least one alkali compound selected from the group consisting of an alkali metal compound and an alkaline earth compound and further characterized by the tendency of the catalyst to lose at least a portion of its alkali content under conditions to which it is subjected, withdrawing a portion of the mass of finely-divided catalyst from said reaction zone, regenerating finely-divided catalyst thus withdrawn from said reaction zone including contact with hydrogen at an elevated temperature and returning regenerated catalyst thus contacted with hydrogen to the reaction zone for reuse, the method for uniformly controlling the alkali content of the catalyst particles which comprises admixing at least one alkali compound selected from the group consisting of an alkali metal compound and an alkaline earth compound with a carrier medium comprising a substantially non-reactive liquid capable of substantially completely volatilizing under the aforesaid conditions of reaction, prior to returning regenerated catalyst to the reaction zone injecting the resulting mixture of carrier medium and alkali compound into the regenerated catalyst thus withdrawn from said reaction zone in an amount sufficient to supply between about 0.005 and about 0.1 pound of alkali compound calculated as the oxide per hour per ton of catalytic material present in said mass of catalyst in said reaction zone but not more than that amount necessary to compensate for the decrease in alkali content of the catalyst, and returning the resulting mixture of regenerated catalyst and alkali compound to said reaction zone whereby the decrease in alkali content of the catalyst mass is at least minimized.

2,598,504

COLOR PICTURE TRANSMISSION AND REPRODUCTION

Harold Carlson, Hartsdale, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York

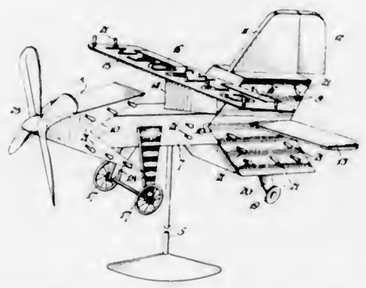
Application April 23, 1948, Serial No. 22,740
8 Claims. (Cl. 178—5.2)



1. In a picture transmitting system for the reproduction of colored images or pictures, in combination, means for scanning a colored area

or original picture, means controlled thereby for generating a signal current simultaneously modulated in frequency and amplitude separately in accordance with both the color and density variations in said area or original picture and means responsive to said current for reproducing a facsimile of said area or original picture in color.

2,598,505
WIND VANE
James C. Carmody, Philadelphia, Pa.
Application January 28, 1947, Serial No. 724,883
1 Claim. (Cl. 73—188)



A wind vane to appear as an airplane when viewed from above and as an arrow when viewed from the side and consisting of a hollow body representing the fuselage of an airplane and the shaft of an arrow, an arrow head mounted on the forward end of said body with the barbs of said head in a vertical plane, an arrow tail at the rear end of said body with the broadsides in vertical planes, a wing panel mounted in a horizontal plane on top of said body crosswise thereof intermediate the ends of said body to represent the wings of an airplane, a stabilizer member mounted on the upper edge of the arrow tail and projecting upwardly in the same vertical plane as said arrow tail, a vertical rudder attached to the rear edge of the stabilizer member and in the same plane as said stabilizer member, horizontal rudder panels projecting from the sides of said arrow tail in substantially horizontal planes, a shaft journalled in the body and projecting from the point or nose of the arrow head, a propeller mounted on the projecting end of said shaft and appearing as an airplane prop, a generator within the body and connected to the shaft, electric lamps mounted on top of and outlining the wing panel, other electric lamps mounted on the sides of and outlining the arrow head and tail, and an electric circuit including said generator and electric lamps.

2,598,506
PACKAGED DAIRY PRODUCTS AND PROCESS THEREOF
Mayne R. Coe, Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C., a corporation of Delaware
No Drawing. Application April 9, 1947, Serial No. 740,485
12 Claims. (Cl. 99—178)

1. The process of inhibiting deleterious photochemical action in edible dairy products containing a light-sensitive constituent which normally would result from the absorption thereby of certain wave lengths of light, which comprises shielding the product from rays of light with a material such as to admit to the commodity those wave lengths of light between approximately 4900 and 6300 as well as above approximately 6700 Angstrom units while excluding wave lengths of light in all other regions.

2,598,507
INITIAL OR INSIGNIA HOLDER
Solomon Cohn, Flushing, N. Y., assignor to Louis Shakter, New York, N. Y.
Application June 16, 1948, Serial No. 33,321
2 Claims. (Cl. 40—140)

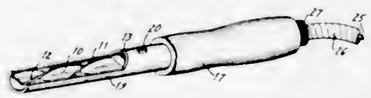


1. In a frame for enclosing separate characters having a longitudinal member formed with an inwardly facing groove bounded by spaced walls to receive ribs on the adjacent sides of the characters, one of the walls being formed with a recess of a length to permit the ribs to be passed into the groove, the material of the said one wall defining the ends of said recess being undercut, an elongated locking element for insertion into said recess, said locking element having its ends beveled matching the said undercutting and bowed lengthwise away from the longitudinal member, whereby said locking element after being fitted into said recess can be pressed flat engaging its beveled ends under the undercut end of the material of the said one wall.

2,598,508
HEXAHYDROBENZYLAMINE SALT OF PENICILLIN
Douglas E. Cooper, Syracuse, N. Y., assignor to Bristol Laboratories, Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application October 22, 1946, Serial No. 704,981
1 Claim. (Cl. 260—239.1)

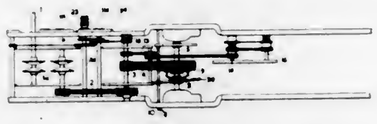
A salt of penicillin and hexahydrobenzylamine.

2,598,509
FISH SCALING DEVICE
George E. Corbin, Detroit, Mich.
Application June 11, 1949, Serial No. 98,613
1 Claim. (Cl. 17—5)



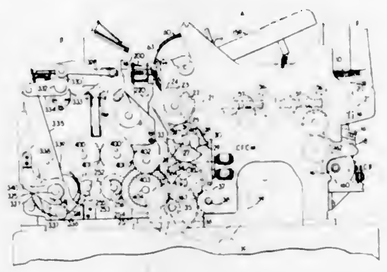
A fish scaling device comprising an elongated tubular handle, a fixed sleeve extending through the bore of the handle, the forward end of said sleeve projecting beyond the forward end of the handle, a driven shaft mounted for rotation within the sleeve, the forward end of the driven shaft projecting beyond the forward end of the sleeve, a spiral blade formed from a flat strip of metal, a socket member carried by the rear end of the blade and adapted to receive the projecting forward end of the driven shaft for rotation therewith, a semi-cylindrical guard disposed over the spiral blade and secured at its rear end on the projecting forward end of the sleeve, and a flexible drive shaft connected to the rear end of the driven shaft.

2,598,510
BISCUITMAKING AND THE LIKE MACHINERY
Edward Milner Crosland, Culcheth, near Warrington, England, assignor to T. & T. Vicars Limited, Earlestown, Newton-le-Willows, England, a British company
Application February 13, 1948, Serial No. 8,222
In Great Britain July 31, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires July 31, 1959
1 Claim. (Cl. 107—4)



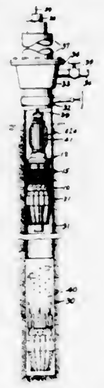
A biscuit making machine including in combination a conveyor, a reciprocating biscuit cutting device mounted over the conveyor and spaced from the input end of the conveyor, a drive shaft for said biscuit cutting device disposed below said conveyor and below said device, a secondary drive shaft for another biscuit forming device disposed below said conveyor, means to drive said secondary drive shaft, clutch means interposed between said drive means and the drive shaft for the biscuit cutting device to connect and disconnect said means and the drive shaft for the biscuit cutting device, and clutch means interposed between said drive means and the drive shaft for the other biscuit forming device to connect and disconnect said drive means and the drive shaft for the other biscuit forming device.

2,598,511
TRANSLATING DEVICE FOR RECORDING MACHINES
Arnold B. Crowell, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 13, 1947, Serial No. 768,373
12 Claims. (Cl. 101—93)



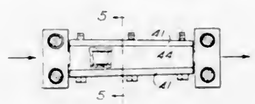
12. In a cyclically operable, multiple column storage device, a plurality of groups of storage elements, one group for each column, mounted for individual movements from normal positions to set positions, each group comprising a storage element for each position of a code; a group of analyzer members, one for each position of said code; means for moving said analyzer members according to individual cyclical programs, from ineffective to effective positions; means to move the different groups of storage elements at various differential times in a cycle, into coaction with said analyzer elements; and means controlling the movement of individual storage elements to set positions, including devices associated with the respective storage elements, operated upon coincidence of said group movements of storage elements and effective positions of said analyzer members.

2,598,512
METHOD FOR RUNNING A LINER IN FLOWING GAS WELLS
Hugh F. Cypher, Borger, Tex.
Application February 28, 1947, Serial No. 731,687
2 Claims. (Cl. 166—21)



1. The method of running a liner into a flowing gas well, comprising, inserting into a gas well while under full pressure of the gas a plugging device expandible into sealing engagement with said well in response to a differential pressure across the plugging device to thereby shut off the major portion of the gas flow from the upper portion of the well above said plugging device, releasing gas from said upper portion to establish said differential pressure across said plugging device to thereby effect said shut-off, thereafter introducing a liner into said upper portion of said well, then equalizing the gas pressure across said plugging device, to thereby release said sealing engagement of the plugging device with the well, and lowering the liner to displace the plugging device downwardly to permit the liner to attain the desired depth in the well.

2,598,513
TRIMMING DEVICE FOR STOCK FOR LOOM REED DENTS
Howell F. Davis, Wickliffe, and Earl A. Southam and Fred Crossman, Cleveland, Ohio, assignors to The Lindsay Wire Weaving Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1948, Serial No. 25,634
2 Claims. (Cl. 29—76)



1. In an apparatus for trimming ribbon stock, the combination of a table, a pair of rigid bars

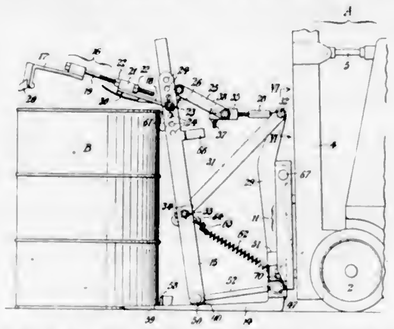
spaced in parallel relation to form a channel for ribbon stock and each having a laterally extending head at each end, means on the heads for securing the bars in spaced relation to the table, and a removable clamp having a pair of side plates adapted to enclose the open longitudinal sides between the bars and having a longitudinally extending file on the inner side of each side plate, and means on said clamp for tightening the clamp to hold the files in fixed relation against the opposite sides of the guide bars.

2,598,514
DITCHER
Thomas J. Denning, Hudson, Colo.
Application April 15, 1948, Serial No. 21,202
5 Claims. (Cl. 37—98)



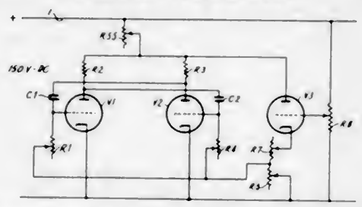
1. A ditcher of the A type having two angularly related blades, a ground engaging runner, means adjustably connecting the runner and blades for varying the vertical angle therebetween including; guide means disposed between the blades and fixed relative thereto, an upwardly ranging bar slidable relative to the guide means and selectively securable thereto in various positions of adjustment, means connecting the lower end of the bar to the runner bar; a tongue pivotally connected to the blades, and means for adjusting the vertical angle between the tongue and the blades, the last named means comprising; a channel disposed parallel to said guide means for receiving the rear end of the tongue, and means for securing the rear end of said tongue to the channel in various positions of adjustment.

2,598,515
LIFT TRUCK AND ATTACHMENT THEREFOR
Benjamin A. Dickson, Paoli, Pa., assignor to Terminal Warehouse Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 17, 1948, Serial No. 60,606
9 Claims. (Cl. 214—66)



1. In a lift truck, a truck body, a tiltable mast thereon, a carriage movable up and down on said mast, a load carrying fork pivotally connected to the carriage with capacity for limited angular movement with respect thereto, a device for gripping the load at the top thereof, a support to which said gripping device is pivotally connected comprising a linkage pivotally connected to said carriage independently of said fork, and mechanism for swinging said gripping device about its pivotal connection and for moving said supporting linkage with respect to the carriage, all in response to tilting of the mast, whereby said gripping device is adapted to engage the load and incline it preparatory to its being lifted by said fork, said gripping device including prongs at its forward end and a downwardly projecting arm at its rear end adapted to assist the downward swinging of the gripping device about its pivotal connection when the load is first engaged by the approach of the truck.

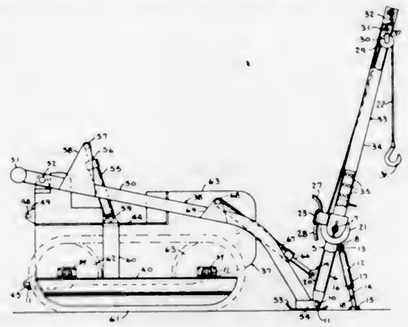
2,598,516
LINEAR VARIATION OF OSCILLATOR FREQUENCY
Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 10, 1949, Serial No. 109,434
4 Claims. (Cl. 250—36)



1. A multivibrator circuit comprising a first and second electron discharge means each having an anode, a control electrode and a cathode, said anodes and control electrodes being capacitively cross coupled, a source of operating potential having a positive and negative terminal supplying said discharge means, a resistor connected between the anode of each of said discharge means and the positive side of said operating potential, the cathode of each of said discharge means coupled directly to the ground side of said operating potential, a third electron discharge means having a cathode, a control grid and an anode, the anode of said third discharge means being coupled to the high side of said operating potential through a resistor, the cathode of said third discharge means being coupled to ground through a cathode resistor, each of the control electrodes of said first and second discharge means being coupled to said cathode resistor thereby positively biasing said first and second discharge means, a source of varying potential, said varying potential being applied to the grid of said third discharge means whereby the variation of said grid voltage of the third discharge means varies the bias of said first and second discharge means resulting in a linear change in the frequency of said multivibrator circuit.

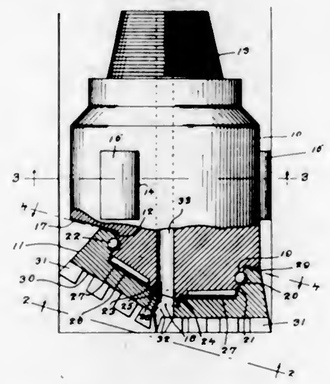
2,598,517
PORTABLE WINCH
Edward A. Drott, Milwaukee, Wis.
Application September 19, 1946, Serial No. 698,077
7 Claims. (Cl. 212—145)

1. The combination, with a tractor, having a vertically movable push beam pivotally supported on said tractor including arms projecting beyond the front end of said tractor, of a winch frame mounted on the projecting ends of said arms, a cable drum mounted to rotate on said frame, a rotary hydraulic motor operatively connected to said drum to rotate the same, and an adjustable



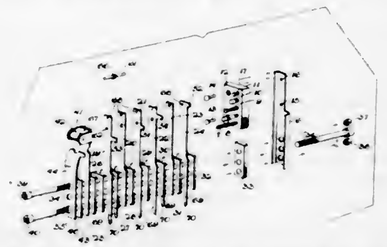
stabilizer foot connected to said frame above its mounting on said arms.

2,598,518
ROCK BIT
Normand E. Dufilho, Longview, Tex.
Application April 21, 1948, Serial No. 22,350
3 Claims. (Cl. 255—71)



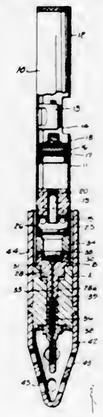
1. In a rotary rock drill bit, the combination which comprises a cylindrical drill body having an inclined surface on the lower end with a spindle extended from the said inclined surface and with the spindle positioned whereby the axis thereof is perpendicular to the said inclined surface and intersects the longitudinal axis of the drill body at a point spaced from the said inclined surface, the lower end of said spindle having a conical surface and the lower side of said conical surface being perpendicular to the axis of said drill body, and a drill head having conical shaped inner and outer surfaces journaled on the spindle and positioned with the conical shaped inner surface coacting with the conical shaped end surface of the spindle and having concentric rows of radially disposed cutting teeth extended outwardly from the said outer conical shaped surface thereof, said drill body having bearing surfaces on the outer surface thereof and the periphery of said drill head being aligned with the said bearing surfaces of the drill body.

2,598,519
CIRCUIT CONTROLLING APPARATUS
Vernon Durbin, Waban, Mass., assignor to National Pneumatic Co., Inc., Boston, Mass., a corporation of Delaware
Application March 22, 1950, Serial No. 151,283
3 Claims. (Cl. 200—166)



1. In circuit controlling apparatus, the combination with a stack of switch elements and insulating spacers disposed in inter-leaving relationship, of a cam follower disposed at one end of said switch stack, adjusting means for positioning certain of said switch elements in desired relationship to other switch elements electrically complementary thereto, mounting means for said adjusting means, and means for retaining said cam follower, switch stack, and mounting means in an assembled relationship consisting of three sub-assemblies so united that each of two of said sub-assemblies can be separated into its constituent parts while the other two remain unseparated.

2,598,520
BOREHOLE TEMPERATURE RECORDER
Harlan J. Eastman, Denver, Colo., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Colorado
Application April 19, 1946, Serial No. 663,365
2 Claims. (Cl. 73—343)



1. In an instrument for lowering into an earth bore to measure and record temperatures therein, a housing structure having upper and lower sections with each section provided with cooperating threaded ends for ready attachment and detachment, a temperature responsive element carried by the lower section of the housing structure and having a portion extending beyond the lower end thereof, the upper end of the said lower

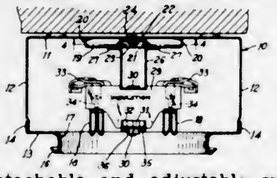
section having a central bore adjacent its threaded end, a dial mounted on the upper end of the temperature responsive element and positioned face upward in the bore, a pointer for the dial connected to be operated by the temperature responsive element, photographic means within the upper section of the housing structure for photographing the dial and pointer to thus obtain a record of the indicated temperature, said photographic means comprising a partition near the lower end of the upper section, a lens opening therein, recording film above the partition and a source of controlled light below the partition for illuminating the dial by unobstructed direct rays when the sections are screwed together, and means including time means in the said upper section above the partition for controlling the operation of the photographic means.

2,598,521

DETACHABLE AND ADJUSTABLE SUPPORT FOR MOUNTING CONTACT BOXES IN METER TROUGHS

Wilbur L. Espenschied, Canton, Ohio, assignor to The Superior Switchboard & Devices Company, Canton, Ohio, a corporation of Ohio

Application May 3, 1950, Serial No. 159,834
6 Claims. (Cl. 175—220)



1. A detachable and adjustable support for mounting contact jaws in an enclosure adapted to be mounted either vertically or horizontally for detachably receiving a detachable electrical instrument of the type having externally projecting contact blades, the enclosure including a cover having an opening therein designed to be closed by such detachable electrical instrument, said detachable and adjustable support comprising spaced insulating means within the enclosure, contact jaws carried by each of said insulating means for detachably receiving the contact blades of a detachable electrical instrument positioned over said opening, supporting means for supporting said insulating means independently of said cover, said supporting means including a square base member, projections upon the enclosure for positioning the base, and a single screw for adjustably detachably connecting said base member to a portion of the enclosure separate from the cover in either of two positions, whereby the entire supporting means including the square base member and the insulating means with the contact jaws carried thereby may be removed bodily from the enclosure as a unit to facilitate the location of cables through the enclosure and then replaced within the enclosure in either of said two positions, so that the contact jaws may be aligned to receive the contact blades of a detachable electrical instrument when the enclosure is mounted either vertically or horizontally.

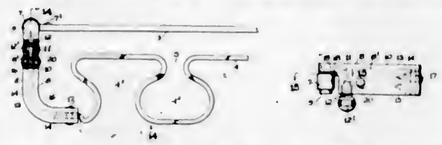
2,598,522

MEANS FOR SUPPORTING AND ADJUSTING DRAPERIES

Douglass R. Falkenberg, Lakewood, Ohio

Application June 22, 1948, Serial No. 34,404
5 Claims. (Cl. 211—105.2)

1. Means for supporting and adjusting draperies, comprising a supporting bracket and a draping member, the latter having a part providing an extension relatively angular to the supporting bracket and a part substantially parallel to the supporting bracket, the draping member including a bifurcated housing mounted on the supporting bracket, the parallel draping member part having a pivotal mounting in the housing, and a member for maintaining said parallel draping member part in substantially horizontal



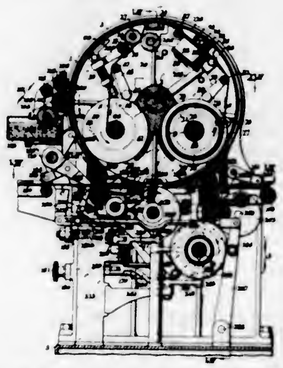
position comprising a finger pivotally mounted intermediate its ends in the housing between the bifurcated parts thereof and engaging said parallel draping member part at one end of the finger for movement of the parallel draping member part in a substantially vertical plane, and an actuating member engaging the opposite end of the finger, passed through the opening between the housing parts, and having screw-threaded engagement with said housing parts.

2,598,523

DATA WRITING MACHINE

Theodore A. Federwitz, Philadelphia, Pa., assignor, by mesne assignments, to Scriptomatic, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application October 5, 1948, Serial No. 52,932
17 Claims. (Cl. 101—47)



1. In a data writing machine, a rotor with a segmental platen surface extending crosswise thereof; supply and take-up spools for a continuous strip of paper or the like carried by the rotor, with the strip passed over the platen surface; a pair of nip rolls on the rotor; means for intermittently turning the rolls to progress the strip for presentation of a new area thereof at the platen during each revolution of the rotor and for locking the rolls against turning after each actuation; means for driving the take-up reel to draw the tape including a pair of frictionally-engaging wheels, one secured to the shaft of the take-up reel and the other held against rotation in coaxial relation to the rotor; brake means for the supply and take-up reels; means contacting the back of the strip in the intervals between the platen bar and the supply and take-up reels to compensatively actuate the brake

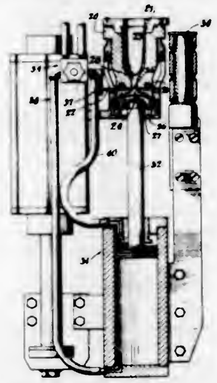
means for maintenance of a uniform tension on the strip; and means for conveying master sheets or cards successively through the machine for impression of data inscriptions therefrom onto the successively exposed strip areas presented at the platen surface.

2,598,524

METHOD AND APPARATUS FOR MANUFACTURING GLASSWARE

Frederick Z. Fouse, Lancaster, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Application October 11, 1948, Serial No. 53,775
12 Claims. (Cl. 49—1)



1. The method of manufacturing a glass article having portions of enlarged dimension connected by a portion of reduced dimension which comprises, placing a moldable glass charge in a mold having enlarged and reduced dimension cavities, shaping the charge into the general form of the mold, severing said glass at said portion of reduced dimension while in said mold, removing the severed parts from said mold, and thereafter attaching said severed parts together at their areas where previously severed.

4. Apparatus for forming articles having enlarged portions connected by a stem-like portion, comprising a first mold free of longitudinal seam lines provided with a stem-forming cavity connecting spaced larger cavities and having an aperture therein adjacent said stem-forming cavity, severing means movable in said aperture for severing an article at said stem, a split mold, a movable mold bottom adapted to close the bottom of said first mold and to close the bottom of said split mold, and means for actuating said movable mold bottom to alternatively close the bottoms of said first mold and said split mold.

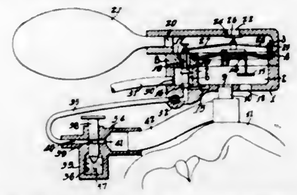
2,598,525

AUTOMATIC POSITIVE PRESSURE BREATHING MACHINE

Le Roy G. Fox, Glendale, Calif., assignor to E & J Manufacturing Co., Glendale, Calif., a corporation of California

Application April 8, 1950, Serial No. 154,841
6 Claims. (Cl. 128—29)

1. In a breathing machine, a case forming three chambers, one of said chambers connected to a supply of oxygen under pressure, said chamber having ports connecting with the other two chambers, said ports being alternately opened or closed by valves connected by a push rod whereby one valve is open when the other is closed, the other two chambers being divided by a diaphragm, both of said chambers having outlet ports equipped with valves to close said ports, said valves being connected to be operated by said diaphragm so that one of said valves is open when



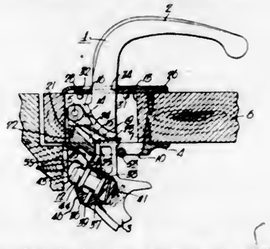
the other is closed, means connecting said diaphragm and said push rod to move said push rod and open the valve from the first chamber to the chamber whose outlet port is closed, ports to connect one of said diaphragm-separated chambers with a breathing mask and the other chamber with an expansible balloon.

2,598,526

DOOR LATCH

Samuel R. Fraim, Lancaster, Pa., assignor to E. T. Fraim Lock Company, Lancaster, Pa., a corporation of Pennsylvania

Application May 6, 1949, Serial No. 91,809
5 Claims. (Cl. 292—66)



1. A door latch for engagement with a keeper on the door frame, said latch comprising a lever extending through the door from one side to the other and having a handle at each end, means for pivotally supporting said lever in the door, and a longitudinal bolt member slidably mounted in a guideway within the inner handle of the lever and extending therefrom in a position to engage the keeper and mounted for movement on a straight line converging at a substantial angle with the plane of the door in the direction of the keeper, the extended end of the bolt increasing in cross sectional area toward its outer end, whereby pressure of the keeper upon said diverging surface when the door is closed will act to maintain the bolt in extended locking position, said bolt effectively closing said guideway to the admittance of foreign matter, and resilient means tending to retain the bolt in the extended position.

2,598,527

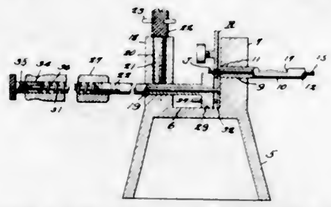
WATCH ROLLER JEWEL SETTER

Martin J. Freeman, Washington, D. C.

Application April 1, 1947, Serial No. 738,682
10 Claims. (Cl. 81—8)

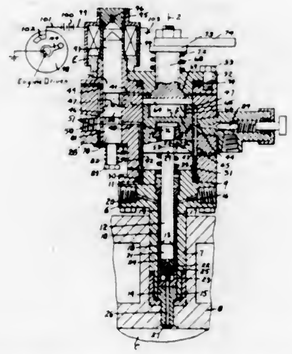
1. A roller jewel setting device comprising a base, a wall thereon, a tubular member formed with an end-to-end bore and having one end

extended through the wall, the tubular member having a jewel-receiving cutaway part communicating with the bore, a push rod slidable in



the bore, a vise-holding means on the base, and a vise including jaws one of which has a notch, said vise being mounted on the base in a position wherein said notch is in line with the bore.

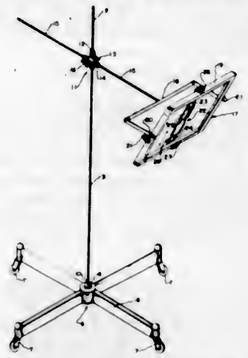
2,598,528
FUEL INJECTION APPARATUS
Louis O. French, Milwaukee, Wis.
Application December 20, 1948, Serial No. 66,279
5 Claims. (Cl. 103—41)



1. In a fuel injection apparatus having a high pressure plunger fuel pump, the combination of a hydraulic operated actuating piston connected to the plunger of said pump, an exterior source of hydraulic pressure liquid at a predetermined pressure lower than the delivery pressure of said pump for operating said actuating piston, valve means operable in cyclic synchronism with the engine for controlling the passage of said hydraulic liquid to and from said actuating piston, valve means for controlling the quantity of fuel delivered by said pump, and externally adjustable means for controlling said valve means including means for angularly adjusting said actuating piston.

2,598,529
UNIVERSALLY ADJUSTABLE SUPPORT FOR X-RAY CASSETTES
Karl J. Fritz, Johnstown, Pa.
Application December 7, 1948, Serial No. 63,884
1 Claim. (Cl. 250—68)

A support for X-ray cassettes comprising a mobile base, a standard rising from said base, a bracket mounted on the base and equipped to be secured thereon at different positions of adjustment lengthwise of the standard, a rod slidably fitting the bracket for adjustment relative thereto and laterally with respect to the standard, a frame on one end of the rod, and a cassette support pivotally mounted within the frame

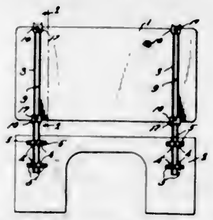


and adapted to be secured at desired positions of angular adjustment with respect thereto.

2,598,530
ENTERIC COATED PYRANISAMINE
Walter C. Gakenheimer, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 12, 1949, Serial No. 104,385
8 Claims. (Cl. 167—82)

1. An oral therapeutic remedy providing prompt and long-extended anti-histaminic action, comprising a unit dose of an acid salt of pyranisamine completely enveloped by a thin film of a polycarboxylic acid ester of cellulose.

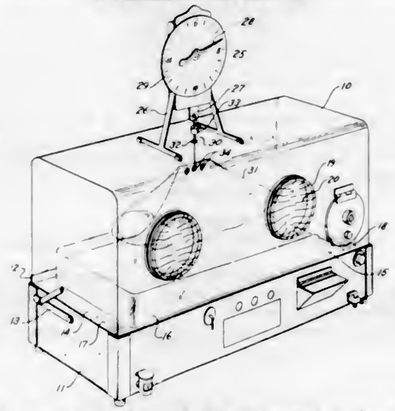
2,598,531
ADJUSTABLE MIRROR SUPPORT
Jack Garrett, Greensboro, N. C.
Application November 14, 1950, Serial No. 195,637
1 Claim. (Cl. 88—99)



A mirror support comprising a tubular standard having a front wall and side walls and a rear wall formed with a longitudinally extending slot, and upper and lower mirror supporting tubular shaped bodies having mirror engaging hooks and carried by said standards, each of said bodies being shiftable along said standard to vertically adjusted positions and each tubular body fitting about and slidable along the standard and having side walls and front and rear walls, the rear wall being formed with an opening opposite the slot in the rear wall of the standard, a bolt passing inwardly through the opening and the slot and carrying a nut disposed within the standard and engaging the inner surface of the rear wall thereof and tightened to secure the tubular body in an adjusted position, each hook having a flat horizontal shank

extending forwardly from the front wall of the body for the full width thereof, the said shank being disposed in spaced relation to an adjacent end of the said front wall of the body in position for bearing against an edge face of a mirror and provided along its front edge with a bill for overlapping the front surface of the mirror, and webs extending along side edges of the outer surface of the shank from side edges of the front wall of the body to the front end of the shank.

2,598,532
INFANT INCUBATOR EQUIPMENT
Samuel Y. Gibbon, Jenkintown, Pa., assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania
Application August 23, 1948, Serial No. 45,670
6 Claims. (Cl. 128—1)



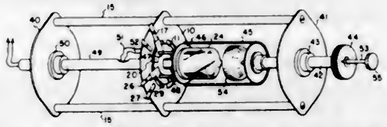
1. An incubator of the character described having enclosure walls of relatively thin transparent material, at least one of said walls having access openings therein, flexible sleeve closures for the openings and attachment means for said sleeves having a cylindrical member with a diameter to fit the opening and an annular flange adapted to contact the wall adjacent the opening, an annular groove in said cylindrical member, an elastic ring adapted to fit in said groove and retain said cylindrical member in assembled position and attachment means for removably fastening a sleeve to said member.

2,598,533
CLOSURE GUARD FOR COIN BOXES
Alexander M. Gordon, Providence, and Walter E. Straubel, Johnston, R. I., assignors to Max L. Grant, Providence, R. I.
Application July 21, 1949, Serial No. 106,076
3 Claims. (Cl. 232—44)



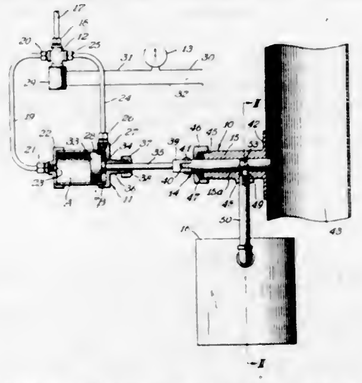
1. In a coin receiving device a coin receiver comprising a top wall having a longitudinally extending opening therein of a width substantially that of the coin to be received with depending flanges at each longitudinal edge of said opening, a plurality of inverted substantially V-shaped members rockably mounted in each of the flanges for free gravitational swinging movement with reference to the flange in which it is mounted, and with one arm of the member of a length to extend beyond the lower edge of the flange in which it is mounted, the other arm of said member being weighted for swinging of the first arm thereof completely across said longitudinal opening so as to block the opening from movement of a coin outwardly therethrough.

2,598,534
RADIO-FREQUENCY SWITCHING ARRANGEMENT
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application June 24, 1949, Serial No. 101,205
12 Claims. (Cl. 250—16)



1. A radio frequency switching arrangement comprising a first switch element carrying contact members, a second switch element carrying at least one contact member, means mounting said second switch element for rotational movement rendering the contact member of said second switch element translatable between contact with alternative ones of said contact members carried by said first switch element, a socket member for an electron discharge tube fixedly secured to said second switch element for movement therewith, said socket member having spaced prong members corresponding to the electrode terminals of said tube, and means conductively connecting one of the prong members of said socket to said contact member carried by said second switch element.

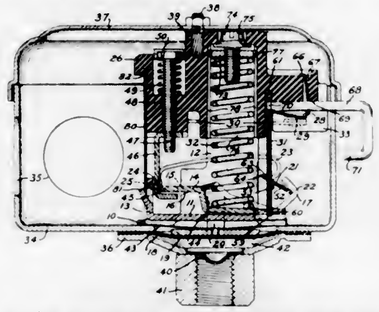
2,598,535
SAMPLING DEVICE
Charles MacMillan Green, Mosinee, Wis., assignor to Mosinee Paper Mills Company, Mosinee, Wis., a corporation of Wisconsin
Application June 30, 1948, Serial No. 36,091
4 Claims. (Cl. 73—422)



1. A sampling device for the sampling of material contained in a receptacle comprising a mounting block secured to said receptacle and having a centrally extending bore formed therein having an opening in communication with the

interior of said receptacle, a plunger mounted in said block for reciprocating movement within said bore and having a sharpened edge extending through the side wall of said receptacle, a sample receptacle conduit in communication with said bore in spaced relation to said bore opening, and means for reciprocating said piston within said bore to establish and interrupt the flow of material contained within said receptacle to said sample receptacle conduit, said plunger being retractable beyond said conduit to accommodate flow thereinto from said receptacle and extensible for interposition between said conduit and said receptacle, the sharpened edge of said plunger serving to sever any particles which may become lodged in said bore to impede the flow of material into said receptacle conduit whereby movement of said piston within said bore controls the flow of material from said receptacle into said sample receptacle conduit.

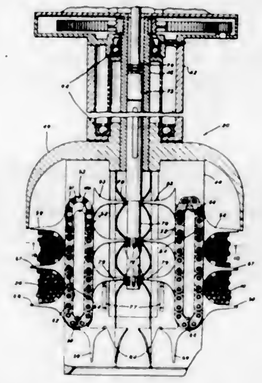
2,598,536
FLUID PRESSURE ACTUATED SWITCH
Gilbert H. Hansen, Batavia, Ill., assignor to Furnas Electric Company, Batavia, Ill., a corporation of Illinois
Application April 8, 1950, Serial No. 154,799
18 Claims. (Cl. 200—81.5)



1. In combination, a frame, a rigid lever having one end portion swingably suspended from said frame and also having laterally spaced hooks at its opposite end, means for applying fluid pressure to the medial portion of one face of said lever, an elongated toggle plate having a longitudinal edge swingably cooperable with said hooks, a toggle leaf spring coacting with each of the opposite ends of said toggle plate near said hooks but remote from said edge, the ends of said leaf springs remote from said toggle plate being pivoted on said frame, fixed and movable contacts mounted on said frame remote from said lever, and a reciprocable member operatively connecting the swinging portion of said toggle plate with said movable contacts.

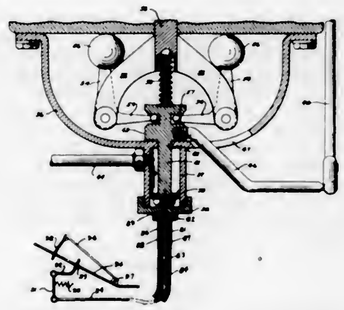
2,598,537
APPARATUS FOR CONTINUOUSLY COILING ELONGATED FILAMENTS
Estyle D. Hanson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1947, Serial No. 738,443
16 Claims. (Cl. 242—80)

1. A coiling apparatus, which comprises a rotatable drum, means for guiding filamentary material to the drum, a plurality of means carried by the drum for forming a plurality of coils of filamentary material upon the drum, means for effecting relative movement between the material-guiding means and the drum longitudinally of the drum to form a coil on the drum at each



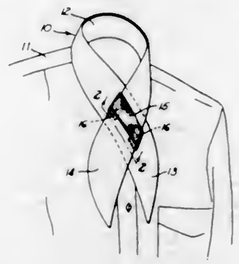
coil-forming means with portions of the material extending between the coils, and means for severing the portions of the material between the coils.

2,598,538
VARIABLE CAPACITY ROTARY FLUID MOTOR
Alex L. Haynes, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application May 17, 1946, Serial No. 670,641
1 Claim. (Cl. 121—62)



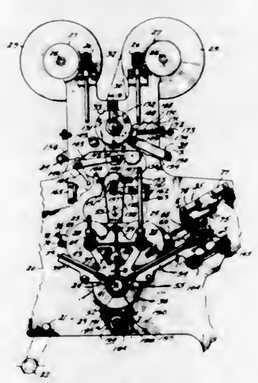
Control means for a variable speed fluid motor comprising a control arm connected to said motor to vary the displacement of said motor, a fluid pressure actuated device connected to said control arm, a source of fluid pressure, means for supplying fluid pressure to said actuated device from said source of fluid pressure to move said control arm in a direction to increase the displacement of said motor upon an increase in torque, means responsive to the speed of said motor and connected to said control arm to move the latter in the opposite direction to decrease the displacement of said motor, and manually operable means operatively connected to said control arm to move said control arm against the action of said speed responsive means in a direction to increase the displacement of said motor.

2,598,539
COMBINATION COLLAR AND CRAVAT
Jacob G. Heim, San Gabriel, Calif.
Application August 16, 1947, Serial No. 769,033
2 Claims. (Cl. 2—130)



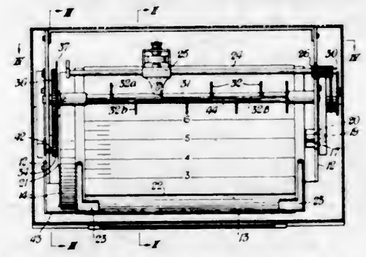
1. An article of apparel, including: a collar having elongated tabs which are crossed so that one overlies the other; a fastening member having an intermediate portion which extends across and overlies said one tab, and having end portions which are doubled back under said one tab; and fastening elements secured to said end portions detachably connecting said end portions with fastening elements secured to said other tab.

2,598,540
REELING AND FEEDING DEVICE
Ferdinand G. Henry, Jersey City, N. J.
Application December 7, 1948, Serial No. 63,877
17 Claims. (Cl. 66—86)



1. A warp knitting machine, including in combination with a cam shaft and means for driving the same and a warp drum for carrying a warp thread supply to be let out to warp fabricating means of the machine; a variable speed transmission drive between the cam shaft and warp drum for driving the drum to let out the warp thread supply to the warp fabricating means, speed varying mechanism for varying the speed of said transmission, and speed responsive means including a pair of elements over which the thread successively passes operated in accordance with differentials in linear velocity between two different sections of the thread let out from the warp drum over said elements for actuating said speed varying mechanism to maintain a uniform velocity of the delivered warp thread.

2,598,541
APPARATUS FOR RECORDING MOVEMENT
Robert John Hill, Worcester Park, England
Application January 25, 1950, Serial No. 140,430
In Great Britain January 28, 1949
6 Claims. (Cl. 346—45)

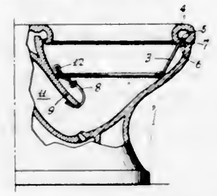


1. A movement recorder comprising a rotatable record cylinder, a rotatable timing rod parallel with the axis of the cylinder, stops on the timing rod which are both axially and angularly spaced on the rod, means for rotating the cylinder and the timing rod in synchronism, a guide rod parallel with the axis of the cylinder, a bracket slidably mounted on the guide rod and bearing against one of said stops, and a stylus suspended on the bracket so as to bear against the record cylinder.

2,598,542
PROCESS FOR THE MANUFACTURE OF BASIC ESTERS OF α,α-DIARYL-α-ALKOXY-ACETIC ACIDS
Rudolf Hirt, Muri, near Berne, Switzerland, assignor to Dr. A. Wander A.-G., Berne, Switzerland
No Drawing. Application January 2, 1948, Serial No. 383. In Switzerland January 23, 1947
3 Claims. (Cl. 260—473)

2. A process for the preparation of diphenyl-propoxy-acetic-acid-diethyl-amino - ethyl - ester including the steps of treating diphenyl-chloroacetic acid ester with sodium metal and propyl alcohol, saponifying the resulting α,α-diphenyl-propoxy-acetic acid ester with an alcoholic alkali hydroxide solution, and reacting the obtained α,α-diphenyl-propoxy-acetic acid with chloroethyl-diethyl-amine in the presence of sodium metal and an alcohol.

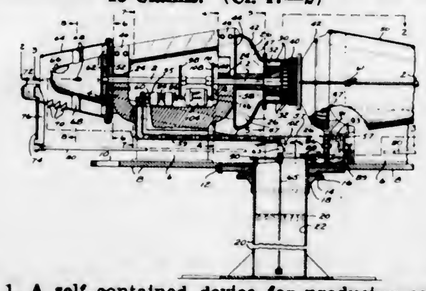
2,598,543
GUARD FOR TOILET BOWLS
Harry Hoffman and Louis Hoffman, Philadelphia, Pa.
Application February 9, 1949, Serial No. 75,402
4 Claims. (Cl. 4—257)



1. A guard for toilet bowls comprising a screen shaped to fit the interior of the bowl so as to exclude foreign bodies from the drain passages, and anchoring means for the screen including resilient arms pivotally attached to the screen,

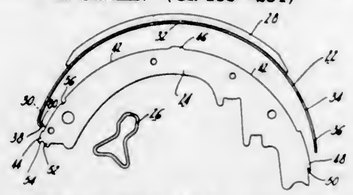
at least one of the arms being arranged for engagement under an inward overhand of the rim portion of the bowl.

2,598,544
DEVICE FOR OUTDOOR HEATING
Harry R. Holman and Bealie C. Barnes, Riverside, Calif.
Application February 24, 1950, Serial No. 146,102
15 Claims. (Cl. 47—2)



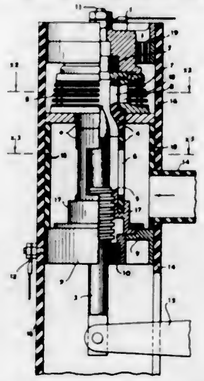
1. A self-contained device for producing and effecting the distribution of hot gases for outdoor heating purposes having, in combination, a combustion chamber, means for injecting a fluid fuel into said combustion chamber, means, including an air compressor and intake openings in said combustion chamber wall distributed both lengthwise and transversely over a substantial portion thereof, for introducing combustion sustaining air into said combustion chamber along and about the path of travel of the injected fuel therethrough, and a gas turbine having a driving connection to said compressor, said turbine including a stator located at one end of said combustion chamber and into which the hot gaseous products of the combustion immediately discharge.

2,598,545
BRAKE SHOE
Bryan E. House, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 26, 1947, Serial No. 744,184
18 Claims. (Cl. 188—234)



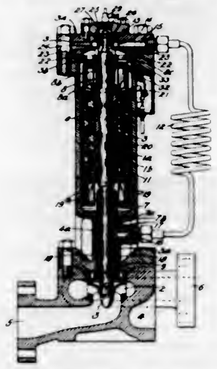
1. A T-section brake shoe comprising an arcuate sheet metal rim having friction lining material secured thereto and having a plurality of circumferentially spaced slots formed therein along the center line, the forward edge of the slot nearest one end of the rim having a surface of engagement which makes an acute angle with the outer surface of the rim, the opposite end of the rim being turned inwardly to provide a hook-shaped laterally-extending ledge; a detachable strengthening web which engages the inner side of the rim and which is provided with a plurality of outwardly extending projections extending into the slots formed in the rim, the forward edge of one of the projections having a surface which makes an acute angle with the outer edge of the projection and which engages the inclined surface of engagement of the aforementioned end slot, thereby causing the web and rim to be brought into tighter engagement as the web is urged toward the end of the rim having said inclined surface of engagement, the end of the web adjacent the hook-shaped ledge of the rim having a ramp opposite said ledge which terminates in an abutment near the underside of the rim, said web having a slot therethrough at a point near the underside of the rim and spaced somewhat from the ramp surface of the web; and a resilient retaining member for holding the web and rim in engagement consisting of a spring steel element having a curved base portion which engages the hook-shaped ledge of the rim at two spaced points and which engages the ramp on the web between the points of engagement with the ledge, the base portion of the spring steel element thereby providing a half-elliptic spring which exerts a tangential force holding the rim and web in engagement, the center portion of the base of the spring steel element also engaging the abutment at the end of the web ramp to exert a radial force holding the rim and web in engagement, said spring steel element having integral arms which extend along opposite sides of the web and which have inwardly turned ends extending into the aforementioned slot in the web to lock the spring steel element in place, said arms having inwardly curved guide portions intermediate their length which closely approach the sides of the web to prevent excessive lateral displacement of the spring steel element.

2,598,546
ELECTRIC SWITCH
František Houšt, Brunn, Czechoslovakia, assignor of one-half to Czechoslovak Metal & Engineering Works, National Corporation, Prague, Czechoslovakia
Application October 1, 1948, Serial No. 52,335
In Czechoslovakia October 9, 1947
12 Claims. (Cl. 200—148)



1. In an electric circuit breaker having a fixed contact, a substantially non-rotatable movable contact cooperable with said fixed contact, and means for moving said movable contact to open and close the circuit breaker, arc quenching means comprising, in combination, a plurality of arc cooling cells arranged adjacent the junction of the contacts and having alternating arc entry orifices and cell separating partitions conjointly forming the circumference of a circle; valve means mounted for movement relative to the cell orifices and having orifice means and closing partition means successively alignable with adjacent cell orifices to open and close the same; and means operable by the movable contact to move said valve means relatively to the orifices to successively open adjacent orifices and successively close the same to direct the arc successively into adjacent orifices.

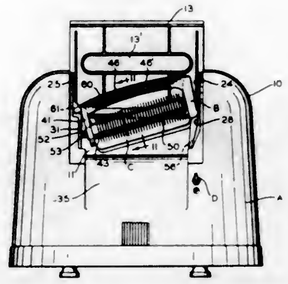
2,598,547
PUMPING OF FLUIDS UNDER HIGH PRESSURES
Alexander Ivanoff, Luton, Bedford, England, assignor to Hayward-Tyler & Co. Limited, Luton, Bedford, England, a British company
Application December 16, 1947, Serial No. 792,013
In Great Britain November 11, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires November 11, 1960
5 Claims. (Cl. 103—87)



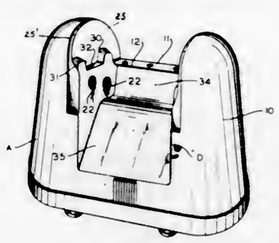
5. A liquid pumping system comprising a rotary pump impeller, a pump casing for said impeller, an electric motor having a rotor, a motor casing for said motor, said pump casing and motor casing forming parts of a common casing and having means for establishing within the same liquid communication between said pump casing and said motor casing, a shaft for said impeller and said motor and on which said impeller and motor rotor are mounted, whereby said motor drives said impeller, a bearing for said shaft between said pump and said motor, said impeller impelling liquid through said pump casing, and said motor being immersed in liquid in said motor casing whose pressure, owing to the liquid communication within said common casing is of the same order as that of said liquid being impelled, a cooling device externally of said common casing and operatively connected at its opposite ends to the common casing, and means for circulating liquid from said motor casing through said cooling device and back into said motor casing.

2,598,548
MEAT PROCESSING MACHINE
Aldrich L. Jackson, Minneapolis, Minn., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn., a corporation of Minnesota
Application July 9, 1948, Serial No. 37,776
3 Claims. (Cl. 17—26)

1. A meat tenderizing machine including a casing having a recess therein, power driven means having clutch means thereon in one end of said casing facing said recess, ledges formed in each end of said casing facing said recess and a separable rotary knife type meat tenderizing unit having two sections in said recess, at least one section of said unit having a clutch means at one end complementary to, and in engagement with, the clutch means in said casing, said sections being adapted to be pulled apart from each other when removed from the casing, the ends of said sections opposite said clutch ends having freely removable interfitting hinge means and the clutch ends fitting snugly against each other when in operative position: means for guiding said unit to, and to assist in maintaining it in, said recess; comprising cam shoulders formed in the ends of said casing facing said recess above said ledges and supporting means on each end of said sections resting upon said ledges.

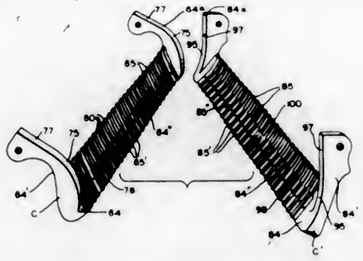


2,598,549
CASING SUPPORT FOR MEAT PROCESSING UNITS
Aldrich L. Jackson, Eustis, Fla., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn., a corporation of Minnesota
Original application July 9, 1948, Serial No. 37,776. Divided and this application February 23, 1951, Serial No. 212,291
5 Claims. (Cl. 17—26)



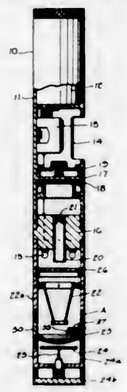
1. In a meat tenderizing machine having a casing with a recess formed therein, said recess having two substantially vertical, oppositely positioned end walls; unit positioning striker plates secured in each of said end walls; shoulders formed on one of said positioning striker plates; a positioning shelf connecting the lower portions of said shoulders; shoulders formed on the other of said striker plates; and a positioning shelf formed between the lower ends of said second mentioned shoulders.

2,598,550
MEAT TENDERIZING MACHINE WITH STRIPPER COMBS
Aldrich L. Jackson, Eustis, Fla., assignor to Hobart-Federal Engineering Corporation, Minneapolis, Minn., a corporation of Minnesota
Application March 5, 1951, Serial No. 213,889
7 Claims. (Cl. 17—26)



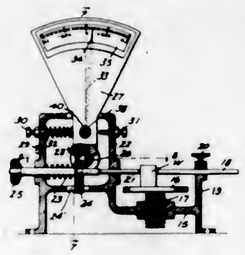
1. In a meat tenderizer provided with a pair of spaced apart rollers including shafts having cutter disks thereon and hubs therebetween and means for supporting said rollers, a cleaning comb for each of said rollers comprising a pair of end plates, pivotal attachments on said supporting means for one end of said plates on one side of said rollers, a bar connecting the other ends of said plates on the other side of said rollers, fingers extending from said bar toward said rollers a sufficient distance to contact said hubs, said end plates being attached to said supporting means at points on a line substantially parallel to said rollers and being spaced from each other a distance substantially as great as the distance between said rollers.

2,598,551
TEMPERATURE INDICATING UNIT
Gordon Jackson, Denver, Colo., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application May 6, 1946, Serial No. 667,703
3 Claims. (Cl. 73—344)



1. A temperature measuring and indicating unit adapted to be connected in the housing of a well survey instrument comprising, an annular body having an axial bore extending therethrough, a dial member secured to the inner wall of the body and projecting into the bore thereof, and a temperature responsive element having one end secured in the body and its inner end extending into the bore in overlying relation to the dial member.

2,598,552
MEASURING APPARATUS HAVING INVERTED PENDULUM INDICATOR
Willem J. B. Jansen, Haarlem, Netherlands
Application November 5, 1946, Serial No. 707,802
In Switzerland November 6, 1945
10 Claims. (Cl. 33—172)

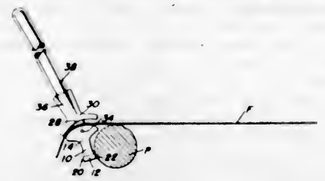


1. Measuring apparatus of the type comprising a casing adapted to be tilted about a horizontal axis, an indicating member within said casing and means pivotally mounting the same for angular movement about a horizontal axis below the center of gravity of the indicating member, balance spring means having one end connected to said indicating member, and means supporting the other end of said balance spring means on said casing to oppose angular movement of said indicating member by gravity; characterized by the fact that said spring means constitutes said means supporting said indicating member for angular movement about a horizontal axis.

7. In a comparator gage, the combination with a base, and a gage tip supported on said base for movement into contact with a work piece, of a casing and means supporting the same on said base for rocking movement about a horizontal axis, spring means urging said casing angularly in one direction, cooperating means on said gage tip and said casing for moving said casing angularly in the opposite direction against the force exerted by said spring means on movement of said gage tip into contact with a work piece, an inverted pendulum member mounted within said casing for movement about a horizontal axis, a graduated scale carried by said casing, a pointer movable along said graduated scale by said pendulum, and a balance spring connected between said casing and said pendulum to oppose gravity-produced movement of said pendulum member.

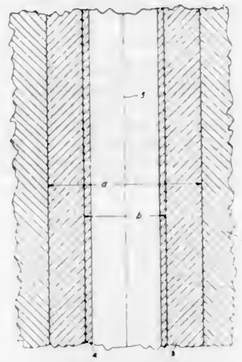
2,598,553
WIRE FENCE TOOL
Theron F. Jennings, Smithshire, Ill.
Application June 12, 1950, Serial No. 167,626
1 Claim. (Cl. 254—80)

A wire fence tool comprising an anchor member having an enlarged head portion at one end and a base portion at its other end, said head portion including a roughened convex gripping surface and a central recess, a clamping member having a central ear at one end received in said recess and a socket at its other end, a pivot extending through the recess and the ear, said clamping member having a roughened concave surface in registry with the convex surface of said head



portion, said anchor member including a concaved serrated post seat extending between said head portion and said base portion, and a plurality of pointed anchoring lugs projecting outwardly from said base portion.

2,598,554
METHOD OF MAKING A HOLLOW MOLD OF COMPACTED MOLD FORMING MATERIAL
Loyal L. Johnston, Zelienople, Pa., assignor to Herman Pneumatic Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 29, 1948, Serial No. 47,532
2 Claims. (Cl. 22—197)

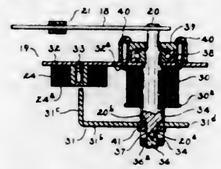


1. A method of making a hollow mold of compacted mold forming material adapted to be rotated at high speed for the centrifugal casting of elongated hollow articles comprising selecting a hollow flask whose internal diameter bears approximately the following relation to the internal diameter of the mold to be formed:

$$a=\sqrt{3.5b^3}$$

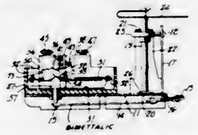
in which a is the internal diameter of the flask and b is the internal diameter of the mold, disposing the flask generally on end, filling the flask substantially full of uncompacted finely divided solid mold forming material, orienting the flask with its axis generally horizontal and rotating it while compacting the molding material until its density is approximately 1.4 times the density of the uncompacted mold forming material, so that the flask itself can be used to measure the quantity of uncompacted mold forming material needed for the mold and the uncompacted mold forming material is distributed along substantially the entire length of the flask during compacting thereof.

2,598,555
VARIABLE OUTPUT TRANSFORMER
Jesse E. Jones, Wauwatosa, and James B. Reeves, Whitefish Bay, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Original application July 2, 1948, Serial No. 36,718. Divided and this application April 20, 1951, Serial No. 222,026
2 Claims. (Cl. 171—119)



1. A transformer comprising a member formed of a material of low magnetic reluctance, a first coil for predetermined alternating current excitation mounted contiguously to said member, a second coil mounted contiguously to said member in a manner such that its axis is parallel to the axis of the first coil and spaced therefrom by a distance at least equal to the sum of the maximum radii of said coils, a shaft concentric with said first coil and extending through said member, anti-friction bearing means supported on said member and affording said shaft rotational bearing support, a member secured to the first mentioned member and straddling said first coil and one end of said shaft, anti-friction bearing means for said one end of said shaft carried by the last mentioned member, and a second member formed of a material of low magnetic reluctance secured to said shaft in overlying relation to said first coil, said last mentioned member being so proportioned as to be statically balanced about the axis of said shaft and being movable by rotation of said shaft into different relations with said second coil to vary the magnetic coupling between said coils thus to vary the potential induced in said second coil.

2,598,556
ELECTRIC SWITCH
Albert L. Judson, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application May 24, 1950, Serial No. 163,986
2 Claims. (Cl. 200—138)



1. An electric switch comprising a first pair of spaced contacts, a second pari of spaced contacts, a bridging element rockable between said first pair of contacts and said second pair of contacts to alternately bridge each of said pairs of contacts, a permanent magnet fixed to said bridging element, individual stationary magnetizable elements adjacent each of said contacts, one pair of said individual elements adjacent said first pair of contacts being adapted to cooperate with said magnet to bias said bridging element toward said first pair of contacts, another pair of said individual elements adjacent said second pair of contacts being adapted to cooperate with

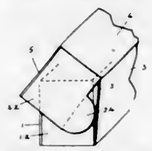
said magnet to bias said bridging element toward said second pair of contacts and operating means loosely cooperating with said bridging element to rock said bridging element alternately into bridging arrangement with said first and said second pairs of contacts.

2,598,557
VARIABLE-SPEED GEAR
Lucien Charles Hippolyte Juy, Dijon, France
Application June 11, 1947, Serial No. 753,999
In France March 22, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 22, 1964
5 Claims. (Cl. 74—217)



1. In a variable speed gear for bicycles and the like vehicles, the combination of a system of at least two coaxial pinions adapted to rotate in unison, a support on which said system is mounted, a driving chain operatively engaging selectively either of said pinions, a tensioning arm pivotally secured at its inner end to the support, a tensioning roller rotatably carried by the outer end of the tensioning arm and engaging the same side of the chain as the first mentioned pinions, a winding roller engaging the other side of the chain, an oscillatory arm to one end of which said winding roller is rotatably secured and the other end of which is pivotally secured to the outer end of the tensioning arm, means for shifting transversally said oscillatory arm to control the selective engagement of the driving chain with the pinions, and resilient means associated with each of said arms for urging the two arms, when the oscillatory arm is subjected to the action of the shifting means and has transferred the chain from one pinion to the other, to rotate in opposite directions for providing compensating movements in opposite directions of the chain engaging rollers.

2,598,558
LOCKING DEVICE FOR BOX COVERS
Charles L. Kanty, Rochester, N. Y.
Application February 10, 1950, Serial No. 143,465
1 Claim. (Cl. 229—33)

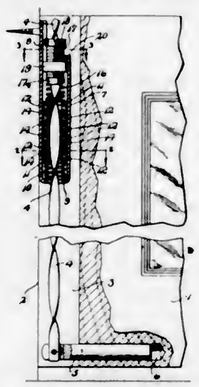


A folding display box formed wholly from a single blank comprising an elongated rectangular bottom, a first and second side wall connected to the bottom, a cover connected with the second side wall, an inspection aperture in said cover, a third side wall connected to and adapted to extend down from the cover in overlapping relation to the first side wall, end sections of substantially square configuration connected to the bottom of the box, corner flaps connected to the end sections at one side thereof only and secured to the first side wall, the ends of said second side wall terminating in a free edge, end sections connected to the cover of the box of substantially square configuration, said last-named end sections having corner flaps connected to one side thereof and secured to the third side wall and having friction locking tabs connected to the other side of said last-named end sections, said tabs extending toward the first-named end sections, and being adjacent the end of the last-named end sections and terminating short of the connection of the last-named end sections with the cover, said parts when erected into a closed box having an opening between the edge of the end sections attached to the bottom of the box and the adjacent second side wall of the box into which opening the frictionally locking tabs can engage for the purpose of locking the cover of the box closed on the box.

2,598,559
INTERMEDIATE COMPOUNDS IN THE SYNTHESIS OF DEHYDROCORTICOSTERONE
Edward C. Kendall, Rochester, Minn., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 21, 1949, Serial No. 128,687
9 Claims. (Cl. 260—397.4)

1. 3(a)-acetoxy-11-keto-12-bromo - 24,24 - diphenyl-$\Delta^{20:22,23:24}$-choladiene.

2,598,560
WINDOW BALANCE
Bertrand F. Kenyon, Grand Rapids, Mich., assignor to Mechano Gear Shift Company, Grand Rapids, Mich., a corporation of Michigan
Application May 9, 1949, Serial No. 92,188
3 Claims. (Cl. 16—193)



2. A structure as described comprising, an elongated hollow housing open at both ends, and at each end having an inwardly extending stop member, a member having an axial opening extending into one end of the housing, means thereon within the housing engaging against one of said stop members, a coiled compression spring within the housing engaging at one end with the inner end of the last mentioned member, a second, greater strength, coiled compression spring within the housing engaging at one end with the other of said stop members, a plurality of flat plates between the opposite ends of said springs

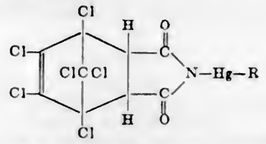
pressed against each other by said springs, the end plates having circular openings therethrough and the intermediate plates having alternately, circular openings and diametrically located slot openings therethrough, and a longitudinally twisted flat bar passing lengthwise through the housing, said openings in the flat plates, and the axial opening of the first mentioned member.

2,598,561
METHOD FOR PRODUCTION OF CHLORDANE
Morton Kleiman, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 3, 1949, Serial No. 119,391
10 Claims. (Cl. 260—648)

1. A process for preparing 1,2,4,5,6,7,8,8-octachloro - 3a,4,7,7a - tetrahydro - 4,7 - methanoindane which comprises reacting 4,7-methano-3a,4,7,7a - tetrahydro - 4,5,6,7,8,8 - hexachloroindene with sulfuryl chloride in the presence of a Friedel-Crafts type catalyst selected from the group aluminum chloride, stannic chloride, ferric chloride, arsenic trichloride, antimony pentachloride and mixtures thereof at a temperature below the decomposition temperature of the reaction mixture components.

2,598,562
N - MERCURI - 1,2,3,6-TETRAHYDRO-3,6-ENDOMETHANO - 3,4,5,6,7,7 - HEXACHLOROPHTHALIMIDE
Morton Kleiman, Chicago, Ill., assignor to Velsicol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 3, 1951, Serial No. 204,270
6 Claims. (Cl. 260—326)

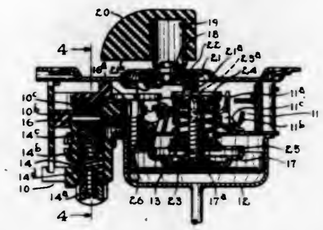
1. As a new composition of matter, a compound having the formula



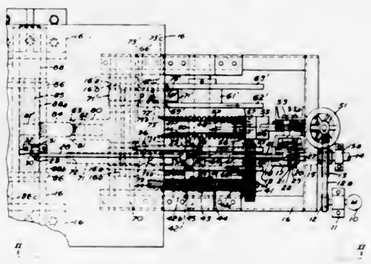
wherein R is an organic radical containing less than 22 carbon atoms, of the group consisting of alkyl, lower alkenyl, carbocyclic aryl containing from one to two rings, cycloalkyl wherein the ring contains from five to six carbon atoms, and aralkyl wherein the aryl portion is carbocyclic and mono-nuclear.

2,598,563
CIRCUIT CONTROLLING DEVICE
Robert L. Konle, New Berlin Township, Waukesha County, and Clarence W. Kuhn, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 16, 1950, Serial No. 190,262
5 Claims. (Cl. 200—140)

1. In combination, a thermal responsive switch having a set of main contacts, an actuating mechanism therefor and pressure responsive means controlling said actuating mechanism to close or open said main contacts at predetermined temperatures, a set of auxiliary contacts actuated by said pressure responsive means upon over-travel thereof, a single manual switch setting means having a plurality of operative positions, said manual setting means including means which in a first position of the setting means block movement of said actuating mechanism to maintain said main contacts in a given position but afford freedom of movement of said pressure responsive means throughout its full range, and means blocking over-travel of said pressure responsive means but permitting normal movement of said actuating mechanism in a second position of said manual setting means, the latter in a third operative position permitting complete freedom of movement of both said actuating mechanism and said pressure responsive means for normal cycling of the switch and actuation of said auxiliary contacts upon over-travel of said pressure responsive means.

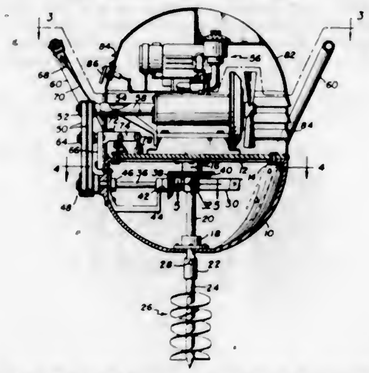


2,598,564
PRESS DRIVE FOR VITREOUS MATERIALS
Peter Kucera, Allison Park, Pa.
Application April 5, 1946, Serial No. 659,993
15 Claims. (Cl. 74—25)



2. Apparatus for operating a presser or similar device to shape a suitable material which comprises, an actuating means, a pair of mechanisms operably mounted with respect to each other, each of said mechanisms having a pair of parts, one of said mechanisms being operably connected to said actuating means, one part of said one mechanism being operably positioned to periodically engage one part of the other of said mechanisms and move said other mechanism in one direction, the other part of said one mechanism being operably positioned to periodically engage the other part of said other mechanism and move said other mechanism in an opposite direction, and a crank and lever mechanism operably connecting said other mechanism to the device to periodically actuate it in opposite directions.

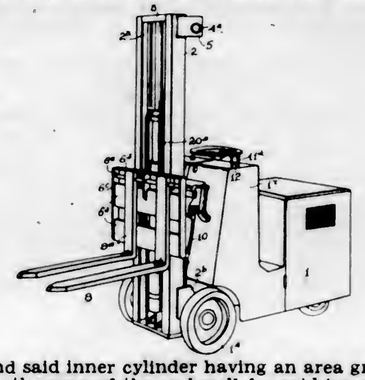
2,598,565
POSTHOLE DIGGER
Silas P. Lagant, Pocahontas, Ill.
Application August 5, 1948, Serial No. 42,632
2 Claims. (Cl. 255—19)



1. A post hole digger comprising a cup-shaped casing having an open top and a flat top plate marginally secured to and closing said open top, a vertical auger drive shaft rotatively mounted in the casing, a bearing member secured interiorly of said casing for supporting said auger shaft adjacent the upper end thereof, a horizontal jack shaft mounted in said casing to operate said auger drive shaft and having one end extending outside said casing, the inner end of said jack shaft being journaled in the side of said bearing member, bevel gear means operatively connecting said jack shaft to said auger drive shaft, a motor mounted on the top plate and having a motor drive shaft parallel to said jack shaft, pulleys on said one end of the jack shaft and on said motor drive shaft and a belt entrained over said pulleys, a belt tightener clutch operatively associated with said belt, handles on said casing, manual control means for said clutch on one of said handles, said auger drive shaft extending beneath said casing and having means for the removable attachment of an earth auger, an inverted cup-shaped canopy for said motor peripherally and removably secured to said casing, said canopy having louvers to allow a circulation of air within the canopy, and said motor having manual controls mounted on said canopy.

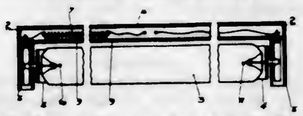
2,598,566
INDUSTRIAL ELEVATING TRUCK
Max Lehmann, East Cleveland, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application September 8, 1949, Serial No. 114,560
8 Claims. (Cl. 187—9)

8. In a truck, having in combination, a pair of main guides, a pair of extensible guides mounted on said main guides for endwise movement, an elevating member slidably mounted on said extensible guides for movement endwise thereof, a fluid pressure system comprising a vertically disposed member mounted at its lower end on the truck and formed with a flow passage extending longitudinally thereof and open at its upper end, concentrically related inner, outer and intermediate cylinders, annular elements between said cylinders and between said inner cylinder and said member for providing flow passages within said cylinders and said inner cylinder having an end wall at its upper end operatively connected with said extensible guides and connected at its lower end with said outer cylinder, fluid connections between the flow passage in said member and the flow passage in said inner cylinder and between the latter passage and the flow passage in said intermediate cylinder, operating connections between the upper end of said intermediate cylinder and said elevating member arranged to raise the latter and a source of supply of fluid under pressure connected to the flow passage in said member, the annular element at the upper end of said intermediate cylinder and between



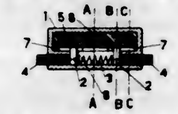
it and said inner cylinder having an area greater than the area of the end wall for said inner cylinder, whereby the supplied pressure will be effective to initially move said intermediate cylinder upwardly relative to said inner and outer cylinders and said elevating member along and on said extensible guides to a predetermined level, the inter-engageable stops on the opposed walls of said outer and intermediate cylinders arranged to limit the upward movement of the latter, whereby the supplied pressure will be effective on the end wall of said inner cylinder to raise said cylinders and said extensible guides to a higher level.

2,598,567
HEATING DEVICE FOR ELECTRIC DISCHARGE TUBES
Pierre Lemaigre-Voreaux, Paris, France, assignor to Societe Anonyme pour les Applications de l'Electricite et des Gaz Rares-Etablissements Claude-Paz et Silva, Paris, France
Application January 11, 1949, Serial No. 70,170
In France February 13, 1948
2 Claims. (Cl. 315—49)



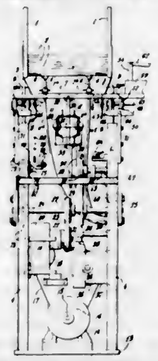
1. In combination, an electric discharge tube comprising an envelope filled with rarefied gas and metallic vapor and two main electrodes, a "cathode" and an "anode," the distance between the "cathode" and the "anode" being longer than eight times the diameter of the envelope, a source of electric current for said tube, and ballasting means connected between said source and said tube, and comprising a heating resistor located close to the envelope of said tube, said resistor extending along said envelope at least between, on one side, the faraday dark space of the cathode of said tube when said tube is being supplied with electric current by said source through said ballasting means, and, on the other side, a point of said envelope situated at a distance from said dark space equal to at least one tenth of the length between said "cathode" and said "anode," and to at least twice the diameter of said envelope but not extending appreciably beyond a point situated at a distance from said "anode" equal to five times the diameter of said envelope.

2,598,568
DETACHABLE INSULATED HANDLE FOR HEATED VESSELS
Giuseppe Lemetre, Fidenza, Italy
Application April 20, 1949, Serial No. 88,612
In Italy April 29, 1948
1 Claim. (Cl. 16—114)



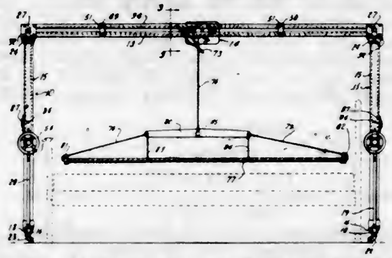
A vessel of the character described comprising, a body, a handle lug projecting horizontally from the body of the vessel, said lug having a radially extending central slot on one surface thereof communicating with a transverse slot extending perpendicularly to the radial slot and lying adjacent the body of the vessel, a handle sheath having a recess for receiving said lug, a pair of coaxial pins mounted in said sheath and projecting from the sides thereof, spring means urging said pins apart and gripping elements carried by the inner ends of said pins and adapted to be manually positioned to enter the radial slot and expandible by the spring means into the transverse slot to secure the sheath on the lug.

2,598,569
MACHINE FOR SETTING-UP BOX BLANKS
David Levkoff, Great Neck, N. Y.
Application February 7, 1948, Serial No. 6,904
5 Claims. (Cl. 93—53)



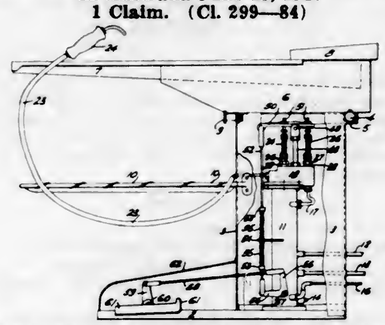
1. Apparatus for setting up folded boxes having end sections with transverse fold lines thereon, said sections having inwardly foldable flaps, the apparatus comprising a hopper containing said folded boxes, converging members adjacent each side of the hopper, means for displacing said folded boxes successively from said hopper with their opposite end sections in contact with said converging members so that said end sections are thereby turned up along said fold lines, a pivoted means adjacent each of said converging members movable to engage said foldable end flaps and bend said flaps inwardly into position against the turned up end sections, and mechanism for operating said pivoted means.

2,598,570
HOIST FOR TRANSPORTING INVALIDS
Roy K. Lewis, Dallas, Tex.
Application June 5, 1950, Serial No. 166,272
2 Claims. (Cl. 212—14)



1. In a hoisting and transporting apparatus, a pair of freely movable vertical upright members; a sprocket journaled in the upper end of each of said upright members; carriage supporting means extending horizontally between said upright members; a sprocket chain operating on said sprockets whose leads are parallel with said carriage supporting means; a carriage movably mounted on said carriage supporting means for horizontal movement along said supporting means; a hoist reel shaft journaled in said carriage; a reel on said reel shaft; a sprocket wheel on said shaft between the leads of said chain and in engagement therewith; a worm gear on said reel shaft; a second shaft journaled in said carriage below said reel shaft; a worm on said second shaft engaging said worm gear for rotating said worm gear to impart rotation to said hoist reel shaft to actuate said reel and to move said carriage along said supporting means.

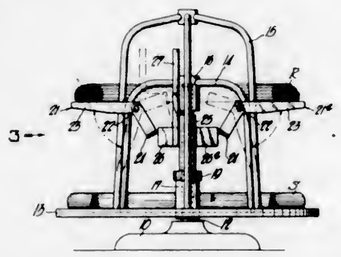
2,598,571
DRY CLEANING APPARATUS
James Longmuir, Melbourne, Victoria, Australia
Application June 2, 1948, Serial No. 30,527
In Australia June 13, 1947
1 Claim. (Cl. 299—84)



Dry cleaning apparatus comprising an upright cylindrical steam chamber having a hot air chamber and a removable hot water tube mounted therein, a valve box removably mounted upon the steam chamber, said box having formed therein a delivery passage and a minor steam chamber, a minor hot air chamber and a minor hot water chamber communicating respectively

with the cylindrical steam chamber, the hot air chamber and the hot water tube therein and with the delivery passage, a removable steam jet mounted in the bottom of the minor steam chamber, a removable steam control valve mounted in the minor steam chamber, a removable hot air control valve mounted in the minor hot air chamber, a removable hot water control valve mounted in the minor hot water chamber, each of the valves upstanding above the valve box and being removable externally thereof, a hand gun communicating with the delivery passage, and a single removable rocker lever mounted upon the box and having a plurality of adjustable tappets to engage the valves and actuate them to supply dry or wet steam or hot air to the hand gun through the delivery passage, as desired.

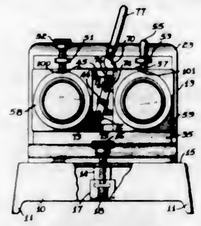
2,598,572
PAY-OFF REEL
John L. Losinski and John E. Schwermer, Duluth, Minn.
Application April 6, 1949, Serial No. 85,848
5 Claims. (Cl. 242—84)



1. In a pay-off reel for feeding flexible material from coils comprising a stationary support and a framework mounted to rotate as a unit on said support and having means for supporting a coil for feeding, a device for supporting a reserve coil on said framework above said first named coil supporting means including carriers supported on said framework to rotate therewith and movable to coil supporting and coil releasing positions, said carriers being balanced to move normally to their coil supporting positions when free of a coil and to their coil releasing positions under the weight of a coil, and trip mechanism for holding said carriers in their coil supporting positions against the weight of a coil and being releasable from said carriers to enable the latter to move to their coil releasing positions to drop a coil supported thereon to said first named coil supporting means.

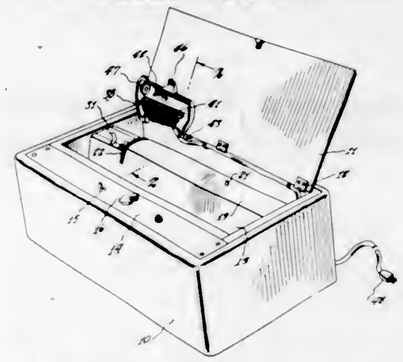
2,598,573
DUAL STEREOSCOPIC PROJECTOR
Harold R. Lutes, Alhambra, Calif.
Application December 5, 1949, Serial No. 131,142
1 Claim. (Cl. 88—26)

An optical image projector comprising: a housing; a pair of light sources in said housing; a pair of image projecting optical systems mounted on said housing in operative alignment with said light sources and having parallel axes; first means mounting said projecting systems for movement towards and away from each other in a generally horizontal plane; means mounting said optical systems for rotation about an axis intermediate of and parallel to the system axes; means defining a passage between said light sources and said systems adapted to receive an image transparency, said first means comprising a channeled mounting plate and bases on said systems extending into the channel for sliding movement therein and a lever pivotally mounted between said bases; and pins carried by said



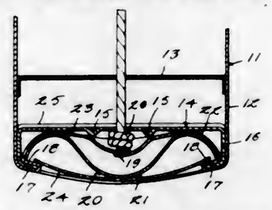
bases and extending into slots formed in said lever on opposite sides of its pivot whereby said bases are adapted for concurrent movement, said second means comprising a pivot supporting said mounting plate on said casing intermediate said systems, resilient means biasing said mounting plate in one direction of rotation and screw means adjustably limiting and resisting said rotation.

2,598,574
DISK OPERATED ELECTRIC PLAYER FOR CARILLONS
Anthony Marra, Manhasset, N. Y.
Application May 27, 1949, Serial No. 95,662
6 Claims. (Cl. 84—103)



1. An electric player in combination with a carillon, the player comprising a container, the container comprising spaced parallel front and back members and spaced parallel end members secured along corresponding edges and a bottom member disposed over the bases of the other members, a cover member hingedly disposed along the top edge of the back member, an upwardly directed support disposed between the end members and intermediate the front and back members, the front and back surfaces of the support tapering inwardly and upwardly and terminating in a top surface portion of downwardly directed arcuate cross section below the plane of the top of the container, the top surface portion being electrically conductive, a pivot post disposed in the top surface portion substantially at the center, an electrically insulated disk rotatably disposed over the pivot post, means rotating the disk, the disk having openings formed therethrough circumferentially spaced in accordance with the sequence of operation of the bells of the carillon, a pick up member hingedly disposed on the inner surface of the cover member at the bottom, a series of electrically conductive fingers electricallv insulated from each other carried by the pick up member and adapted to be brought into electrical contact with the top surface portion of the support when the openings in the disk are rotated thereunder in the closed position of the cover member, a circuit between the top of the support and each finger, a solenoid in the circuit and a bell of predetermined tone in operable engagement with the solenoid.

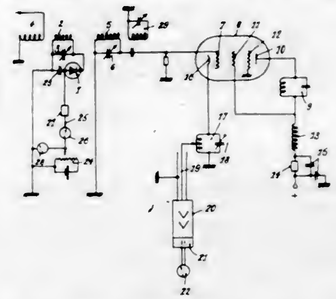
2,598,575
VENETIAN BLIND
Joseph K. Martin, Marietta, and David W. Doughty, Atlanta, Ga., assignors to Thompson Venetians, Inc., Atlanta, Ga., a corporation of Georgia
Application March 26, 1951, Serial No. 217,426
2 Claims. (Cl. 160—178)



1. In a Venetian blind structure having slat supporting tapes, a bottom rail comprising an inverted U-shaped member, inwardly projecting flanges carried by the lower edges of the vertical sides of said member, and an elongated tape clamping member engageable within said U-shaped member, said clamping member being reversely curved in transverse section with the outer portions thereof downwardly directed to thereby bind the tape against the inner sides of said flanges.

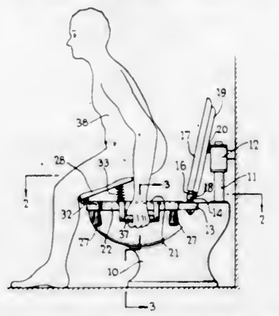
2,598,576
CAPACITY-METER FOR MEASUREMENT OF LOW ELECTRIC CAPACITANCE VALUES
Herbert François Mataré, Vaucresson, Georges Calon, Villemomble, and Pierre Philippoteaux, Le Raincy, France, assignors to Societe Anonyme dite Compagnie Des Freins & Signaux Westinghouse, Paris, France
Application January 19, 1950, Serial No. 139,432
In France January 29, 1949
4 Claims. (Cl. 175—183)

1. Capacity-meter of the type described which comprises in combination a measuring circuit comprising a parallel combination of an inductance with a calibrated variable capacitor, a high-frequency input circuit means including an inductance coupled with said measuring circuit inductance, means for inserting a capacitance to be measured in parallel with said measuring circuit, a potentiometrically-adjustable voltage supply circuit for applying an adjustable biassing voltage to said capacitance, a mixer pentode, an oscillator circuit adapted to supply another and lower frequency and including a parallel inductance-capacitance combination connected across the screen-grid and the plate of said pentode, the arrestor grid of said pentode grounded, and the screen grid connected through an inductance- and capacitance combination to ground to provide a three-point circuit with said oscillator, a parallel variable-capacitance-and-inductance combination connected with the control grid of said pentode said last-mentioned inductance coupled with said measuring circuit inductance, a buffer circuit including a grounded parallel adjustable-capacitor-and-inductor combination



coupled with said control-grid inductor, and an output circuit for said pentode extending from the cathode thereof and comprising an adjustable oscillatory circuit, amplifier means for the output therefrom, rectifier means for rectifying said amplified output, and a microammeter for indicating said amplified rectifier output.

2,598,577
SANITARY ACCESSORY FOR TOILET BOWLS
Norman D. Mattison, Montclair, N. J.
Application April 5, 1949, Serial No. 85,641
4 Claims. (Cl. 4—237)

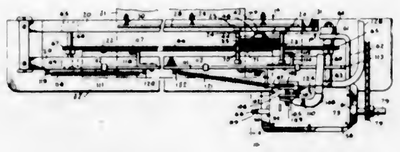


1. The combination of a toilet bowl with separate thigh-supporting means to engage the thighs of users from the buttocks to the knees, connections between said toilet bowl and said thigh-supporting means, including pivotal means at one end of each of said supporting means, and elastic means supporting the other end of each of said thigh-supporting means; wherein said pivotal means is at the front end of the toilet bowl and said elastic means is located at the other end of said thigh-supporting means.

2,598,578
SEVERING MACHINE FOR LOOMS
Joseph Kelly McCutchen and David A. Tillman, Ellijay, Ga.
Application January 21, 1949, Serial No. 71,898
21 Claims. (Cl. 139—291)

1. In a machine for severing floating yarn portions upon a fabric, a track, a carriage mounted upon the track, means to sever the floating por-

tions including a power operated cutter mounted upon the carriage, means to move the carriage in opposite directions and connected therewith and including a gear, a pair of driving gears arranged near the first named gear, and cam operated



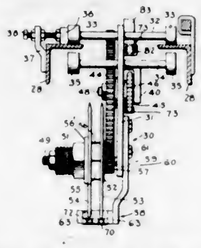
means to shift the pair of driving gears so that they both disengage the first named gear and then alternately move one driving gear into engagement with the first named gear while the other driving gear disengages the same.

2,598,579

LOOM HAVING MEANS FOR SEVERING TUFT FORMING STRANDS

Joe K. McCutchen, Ellijay, and David A. Tillman, Cartersville, Ga.

Application July 28, 1950, Serial No. 176,301
13 Claims. (Cl. 139—291)



1. In a loom for weaving floating portions in a fabric, a sand roll about which the woven fabric passes, guide means mounted upon the loom near the sand roll, a carriage to travel upon the guide means, means to reciprocate the carriage, and a presser foot mounted upon the carriage to travel over the fabric, said presser foot including a pair of substantially horizontal fingers and a pair of spaced substantially horizontal prongs arranged between the fingers and extending longitudinally of the same, said prongs extending downwardly below the fingers and having their forward ends terminating short of the forward ends of the fingers, and cutting means mounted upon the carriage and coacting with the prongs to sever floating portions thereon.

2,598,580

BLEACHING OR BRIGHTENING A WEB OF MIXED FIBERS

Robert L. McEwen, Williamsville, and Fred R. Sheldon, Buffalo, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y., a corporation of New York

No Drawing. Application October 8, 1947, Serial No. 778,746
2 Claims. (Cl. 92—1)

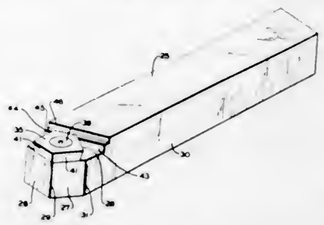
1. The method of producing a web or sheet of felted wood pulp of improved brightness and containing a blend of a sulfite wood pulp and a substantial proportion of a groundwood pulp which contains a substantial amount of ligneous and other non-cellulosic material, said method consisting essentially of the steps of bleaching said groundwood pulp component by itself with an alkaline aqueous peroxide solution before blending with said sulfite wood pulp component, blending said components in a water suspension, felting the blended pulps into a web or sheet, applying to said web or sheet an aqueous peroxide bleaching solution containing hydrogen peroxide and a water soluble phosphate as the essential ingredients and having an initial pH in the range of from 9.0 to 11.5, and thereafter evaporating water from said web or sheet.

2,598,581

CUTTING TOOL

Philip M. McKenna, Greensburg, and Wilbur L. Kennicott, Latrobe, Pa., assignors to Kennametal Inc., Latrobe, Pa., a corporation of Pennsylvania

Application September 4, 1948, Serial No. 47,933
7 Claims. (Cl. 29—98)



1. A cutting tool comprising the combination of a tool holder having a shank and a head provided with a seating face, an abutment wall at one edge thereof, and a bore extending from said seating face perpendicular to the plane thereof and inclined to the vertical longitudinally and laterally with respect to the longitudinal axis of the shank, a cutting element of cemented hard carbide composition having the form of a solid with parallel upper and lower faces lying in planes normal to the axis of the cutting element, every section through said element in a plane normal to said axis being symmetrical about said axis and said sections progressively decreasing in area from the upper to the lower face, said cutting element having a hole therethrough in line with said axis and being positioned on said seating face with said lower face in engagement therewith, said hole aligned with said bore and a portion of the side wall engaging said abutment wall, and a fastening device passing through said hole and into said bore for detachably holding said cutting element in cutting position on said head.

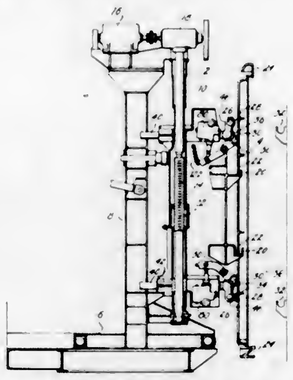
2,598,582

DOOR LATCHING MECHANISM

Frederick A. Melzer, Gary, Ind.

Application January 11, 1947, Serial No. 721,631
10 Claims. (Cl. 212—4)

1. A device for operating a latching arm on coke oven doors and the like, said device being mounted on means for lifting doors and comprising a lever pivotally mounted on a shaft, a jaw on said lever adapted to engage said arm, a pair of opposed discs having opposed shoulders, a compression spring between said shoulders, one of said discs being operatively connected to said lever, and means to rotate the other of said discs as said lifting means is advanced toward said door to compress said spring and thereby move the said



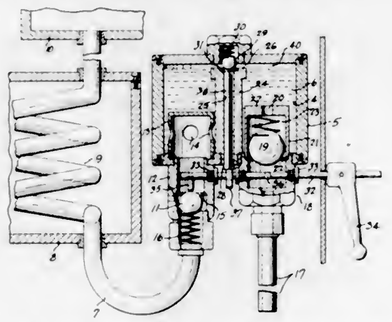
disc connected to said lever to cause the jaw on said lever to engage said arm.

2,598,583

LIQUID MEASURING AND DISPENSING VALVE

Edwin L. Meyer, Bridgeport, Conn., assignor to Van Dusen and Meyer, Incorporated, Bridgeport, Conn., a corporation of Connecticut

Application October 16, 1948, Serial No. 54,849
5 Claims. (Cl. 222—442)



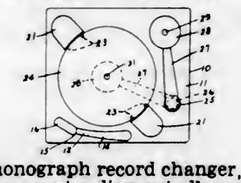
1. A liquid measuring and dispensing device comprising a chamber, an inlet connection from a source of liquid to said chamber, a valve controlling said connection, an upright vent tube mounted in and extending upwardly from the bottom wall of said chamber and having its passage communicating with said chamber adjacent the top thereof and through said bottom wall with the atmosphere, a valve controlling the entrance at its upper end to the vent connection, a bar in said tube controlling said latter valve and projecting from the lower end of the tube, an outlet connection from said chamber at a given distance below the top of the chamber, a valve controlling said latter connection, and a control means for said valves comprising a shaft, means on said shaft arranged to normally hold the inlet valve open while the other valves are closed and other means arranged on operation of said control for closing of the inlet valve, to then lift the bar to open the vent valve, and then on further operation to open the outlet valve while the vent valve is kept open.

2,598,584

TURNTABLE FOR RECORD CHANGERS

Walter Miller and James L. Donaldson Morrison, Benton Harbor, Mich.

Application September 28, 1944, Serial No. 556,216
3 Claims. (Cl. 274—10)



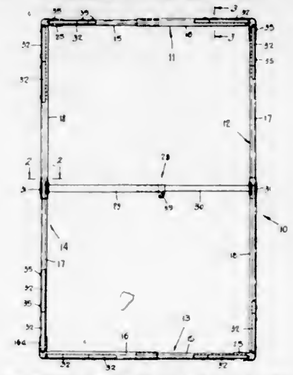
1. In a phonograph record changer, an element comprising an upstanding spindle, a second element comprising an arm supporting a rotatable turntable at one end of said arm, said arm and turntable having a vertical opening therethrough, the upper surface of the turntable being free to receive a record thereon, means mounting one of said elements for horizontal movement to and from an operative position wherein said spindle and opening are aligned, and means mounting one of said elements for vertical movement to extend the spindle through said opening.

2,598,585

CURTAIN STRETCHER AND DRIER

Leonard Miner, Bridgeport, Conn.

Application May 18, 1949, Serial No. 93,983
7 Claims. (Cl. 45—24)



1. In a curtain stretcher frame having extensible top, bottom and side members each comprising a plurality of bars slidably connected with each other, the improvement which comprises: sets of elongate spacer strips carried respectively by the frame members, said strips in each set being in end-to-end abutting relation; means on said bars of each frame member for engaging the ends of the set carried by the member to limit shortening of said member whereby the compressed size of the frame is controlled by the lengths of the sets; and means including pins carried by said strips, on which a curtain to be stretched may be impaled.

2,598,586

METHOD FOR PRESERVING SHELL EGGS

Leon D. Mink, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application March 14, 1950, Serial No. 149,650
5 Claims. (Cl. 99—170)

1. The method of protecting shell eggs from dehydration and deterioration during storage and

shipment which comprises applying to the surface of said shell eggs a coating comprising a relatively non-volatile mineral oil and a cyclized rubber resin.

2,598,587

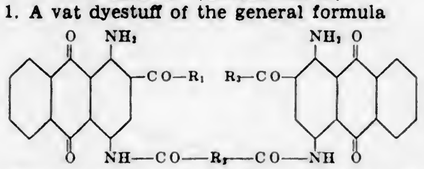
DI(1,4 DIAMINO-2-ARYL KETONE ANTHRAQUINONE)AMIDES OF AROMATIC DICARBOXYLIC ACIDS

Eduard Meergeli, Neuewelt, near Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application July 17, 1950, Serial No. 174,362. In Switzerland July 22, 1949

11 Claims. (Cl. 260—207.1)

1. A vat dyestuff of the general formula



wherein R_1 and R_3 stand for an aryl radical each end wherein —CO—R_2—CO— stands for the radical of an aromatic dicarboxylic acid of the formula HOOC—R_2—COOH.

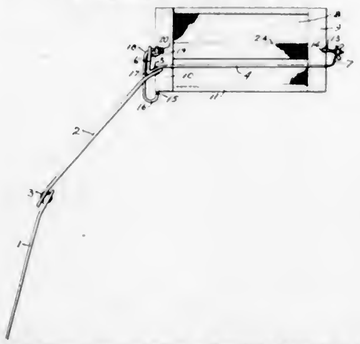
2,598,588

SHIFTABLE SHADE

Harris Hopkins Mullen, Tampa, Fla.

Application August 28, 1950, Serial No. 181,787

2 Claims. (Cl. 135—5)



1. A shelter comprising a flexible awning member having a hem at each end, and a relatively rigid metallic spreader member having a straight portion extending along the awning member within one of the end hems and being curved outward from the side of the awning member to form a loop having one side extending to a point opposite the center of the edge of the hem and into engagement with the straight portion of the spreader, and a supporting member slidable upon the loop from a position of engagement opposite the center of the hem and in which the supporting member is at substantially right angles to the hem, to a position in which it lies substantially parallel to the hem and with its point of engagement with the loop outward from the end of the hem a second relatively rigid spreader member within the hem at the opposite end of the flexible member from the first hem, and means connecting the central portion of the second spreader member with the supporting member when the flexible member is extended, to adjust the longitudinal tension of the flexible member.

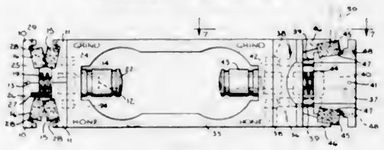
2,598,589

MANUAL SHARPENING IMPLEMENT

Blackwell K. Murchison, Brooklyn, N. Y., assignor, by mesne assignments, to Bessie F. Murchison, Brooklyn, N. Y.

Application September 29, 1950, Serial No. 187,387

7 Claims. (Cl. 51—214)



1. A sharpening implement, comprising a pair of spaced members having on their adjacent faces a plurality of meshing sharpeners and guides positioned above and below the centers of said members, a stud mounted at right angles through said members and at one end connected with one of said members, a nut threadedly engaging on said stud and selectively controlling the distance that said spaced members may move part for providing relative unyielding positions of mesh of said sharpeners and guides, and resilient means urging said members apart into said unyielding positions of mesh.

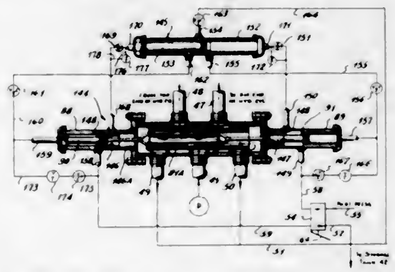
2,598,590

CONTROL VALVE

Paul E. Noll, Pasadena, Charles W. Crawford, Los Angeles, T. Dwight Aller, San Gabriel, and Albert R. Rethey, Los Angeles, Calif., assignors to United States Steel Company, a corporation of New Jersey

Original application May 10, 1946, Serial No. 668,942, now Patent No. 2,504,218, dated April 18, 1950. Divided and this application December 1, 1949, Serial No. 130,382

10 Claims. (Cl. 121—46.5)



1. In a four-way control valve including a valve body having ports and a slide member movable therein from one operating position interconnecting certain of said ports through a neutral position to another operating position otherwise interconnecting said ports, the combination of: a pair of cylinders secured to opposite ends of said valve body; a piston in each of said cylinders; means for transmitting motion of said pistons to said slide member; means for applying fluid pressure to one of said cylinders to move said slide member toward said neutral position; control means for arresting movement of said slide member at said neutral position; an auxiliary cylinder; an auxiliary piston slidably mounted in said auxiliary cylinder; means responsive to arrival of said slide member at said neutral position to apply fluid pressure to one end of said auxiliary cylinder and thereby to move said auxiliary piston; and means responsive to movement of said auxiliary piston from one end of said auxiliary cylinder to the other to apply fluid pressure to one end of said one cylinder to thereby move said slide member from said neutral position to the other of said operating positions, said slide member in moving between its two operating positions thus dwelling at its neutral position for the interval required for said auxiliary piston to travel from one end of said auxiliary cylinder to the other.

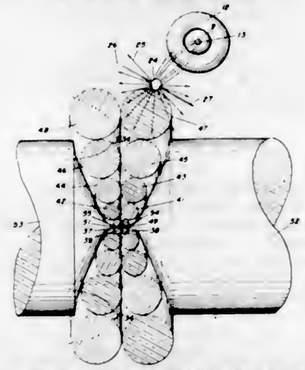
2,598,591

MNEMONIC EDUCATIONAL MEANS FOR DEMONSTRATING ATOMIC OR MOLECULAR STRUCTURE AND PHENOMENA

John M. Novak, San Francisco, Calif.

Application March 10, 1951, Serial No. 214,944

2 Claims. (Cl. 35—18)



1. A mnemonic educational device for demonstrating atomic and molecular structure and phenomena comprising: a sphere representing atomic nucleus; means for representing the occupied and optical atomic orbits surrounding said sphere, said means including a series of pairs of concentric nestable toroidal members surrounding said sphere, the cross sectional diameter of successive ones of the toroidal members being related in accordance with an arithmetical progression, the axes of all said members being coincident and corresponding to an axis of the sphere; means for representing valence, orbital and extra-orbital electrons associated with said toroidal members comprising spheres positionable within the spaces defined by adjacent pairs of said toroidal members; means for designating electrostatic fields, electro-magnetic fields and valence bonding associated with selected ones of said electron designating means comprising wires fixed to the electron designating means and adapted to be pierced through the toroidal members; and means for representing gravitational fields associated with said occupied atomic orbit designating means.

2,598,592

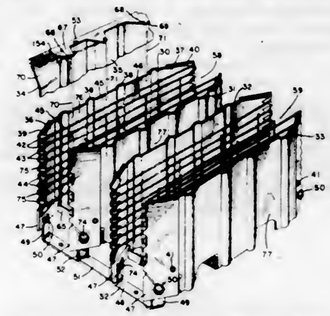
HEATER FOR ELECTRIC TOASTERS

Henry L. Olson, Grand Haven, William F. Hale, Spring Lake, and Robert A. Miller, Grand Haven, Mich., assignors to Camfield Manufacturing Company, Grand Haven, Mich., a corporation of Michigan

Application December 2, 1949, Serial No. 130,762

6 Claims. (Cl. 219—19)

3. In a toaster a support, a heater carried thereby and comprising a back having a rear surface and a face, flanges at the lateral edges of the back and extending outwardly from said face, said flanges having rear surfaces corresponding to the rear surface of said back, strips of sheet insulation overlying the rear surfaces of said flanges and secured thereto, the marginal edges of said strips extending outwardly beyond the marginal edges of said flanges, notches in the marginal portions of said strips of insulation and forming therein teeth, notches in the marginal portions of



said flanges registering with the notches of the strips and forming teeth therein overlying the teeth of the strips and reinforcing the same, the edges of the teeth of the flanges lying inwardly of the edges of the teeth of the strips and a heating element comprising a length of resistance wire looped about alternate teeth of said strips of insulation and forming reaches spaced from one another by virtue of said notches and from the face of said back by virtue of said flanges.

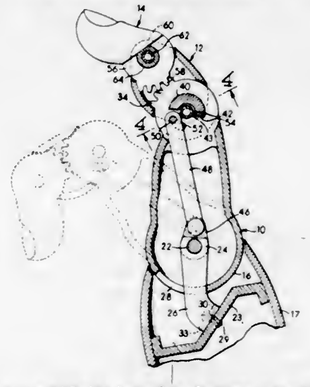
2,598,593

POLYCENTRIC ARTICULATED FINGER FOR ARTIFICIAL HANDS

Linus J. Parker, Windsor, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 30, 1948, Serial No. 51,884

6 Claims. (Cl. 3—12.7)



2. In an artificial hand, a frame, an articulated finger including a proximal segment, a medial segment and a distal segment, means operatively pivotally connecting said proximal segment to said frame, means pivotally connecting said proximal segment to said medial segment, means pivotally connecting said medial segment to said dis-

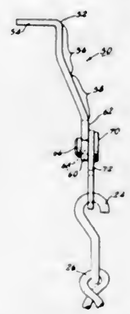
tal segment, a gear sector fixedly carried by said proximal segment and projecting into said medial segment, a second gear sector fixedly carried by said distal segment and likewise projecting into said medial segment and meshing with said first mentioned gear sector, and a link having one end operatively pivotally connected to said frame at a point eccentric of the connection of said proximal segment to said frame and the other end thereof pivotally connected to said medial segment at a point on the latter eccentrically disposed with respect to the pivotal axis of connection between said proximal segment and said medial segment.

2,598,594

TIRE CHAIN ANCHOR DEVICE

Alfred H. Perlman, Chicago, Ill., assignor to Fral Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application August 21, 1947, Serial No. 769,928
3 Claims. (Cl. 152—233)



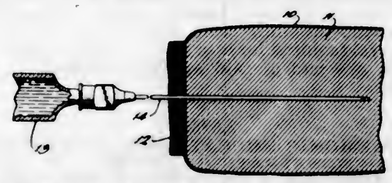
1. The combination of a cross-link anchor and cross-link assembly for a tire chain for a pneumatic tire held by inflation thereof to a straight side rim in which each of said cross-link anchors comprises a strip of metal lying one on each side of and conforming to the countours of said rim and lying between said rim and said tire along the bead portion of said tire only, each of said strips having a portion which is bent to lie substantially along the inner periphery of the bead of said tire and between the inner periphery of said bead and said rim, a second portion which is bent at substantially right angles to said first named portion and continuous with said first named portion, said second portion following the inside contours of said rim and the side of the bead of said tire, a third portion which is continuous with said second portion and so formed so as to diverge from the side wall of said tire and extend in a direction towards the tread of said tire to provide for flexing of the side walls of said tire, means comprising a chain-link hanger affording a connection between said cross-link and said divergent third portion, and means for releasably locking said last named means to said divergent third portion including an opening formed in said divergent third portion and having a circular admission portion and a locking slot contiguous therewith for a locking pin formed on said connecting means, said locking pin having a head of such a dimension as to pass through said circular admission portion and a shank of such a dimension as to move to locking position in said slot.

2,598,595

MIXING METHOD AND PACKAGE

Leo Peters, Evanston, Ill.

Application March 30, 1948, Serial No. 17,885
5 Claims. (Cl. 99—179)



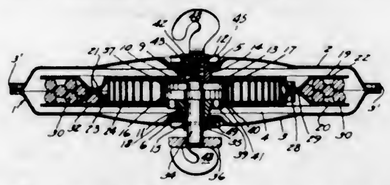
1. A mixing package comprising a wrapper of flexible translucent material adapted to be sealed about a body which is to be kneaded, a body of oleomargarine within said wrapper, the wall of said wrapper being sealed to itself to form a continuous unbroken wall about said body, and a flexible self-sealing patch of liquid-tight material secured to the outer surface of said wrapper wall, said patch forming a liquid-tight seal after the withdrawal of a hollow needle which has been inserted therethrough.

2,598,596

ADJUSTABLE SUPPORT

James E. Petrie, Minneapolis, Minn., assignor to Petrie Specialties Co., Minneapolis, Minn., a corporation of Minnesota

Application May 27, 1950, Serial No. 164,706
1 Claim. (Cl. 242—107)



In a device of the class described, a casing including abutting side plates defining a circular chamber provided with aligned central openings and a peripheral opening, a hub, said hub including cooperating components, one of which defines a cup-shaped central portion which projects axially outwardly through the central opening on one side of the casing and a radially-projected annular flange within said casing, the other of said components defining a reduced tubular central portion projecting axially outwardly through the central opening of the other side of said casing and a circumferentially-enlarged cup-shaped portion within said casing which cooperates with said flange to provide a cylindrical recess, a pair of axially spaced flanges rotatably mounted one on each side of the recess-forming portions of said hub, said flanges being provided with opposed circumferentially-extended abutments concentric with said hub which define a radially outwardly opening spool and a compartment radially inwardly of said abutments, a torsion spring within said compartment yieldingly biasing said spool in one direction of rotary movement, a pin slidably mounted in the tubular end of said hub for axial sliding movements, an enlarged head on the inner end of said pin within said cylindrical recess, said hub and one of said flanges being provided with circumferentially-spaced axially extended openings which are alignable upon rotation of one thereof with respect to the other,

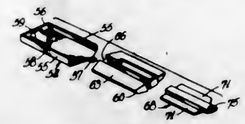
a detent carried by said head and adapted to be received within said openings when said openings are in alignment, whereby to lock said flange against rotation with respect to said hub, a coil spring received within the cup-shaped reduced end of said hub and yieldingly biasing said head toward engagement with the detents carried thereby with the aligned openings in said hub and flange, and a flexible cord element coiled about said spool, said cord element having one end secured to said spool and its other end projecting outwardly through the peripheral opening in said casing.

2,598,597

EXPANSIBLE JEWELRY CLASP

Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman and Fishel, Inc., a corporation of New York

Application July 14, 1950, Serial No. 173,755
1 Claim. (Cl. 267—71)



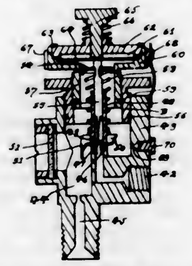
An expansible clasp comprising a casing having a base piece and a cover piece affixed at their lateral edges, said cover piece having spaced parallel longitudinal ribs defining a groove therebetween with the undersurface of said ribs being spaced from said base piece defining a longitudinal passageway on each side of said groove, said passageways and said groove defining a channel, a tongue rigid with said base piece and extending upwardly into said groove at the outer end thereof, a slide member in said channel, said slide member having a longitudinal median depression with a wall at the inner end thereof and open at the outer end thereof, and having lateral wings on each side of said depression, said depression being positioned in said groove and said wings in the respective passageways, a coil spring in said depression, said spring normally being slightly compressed between the end wall of said depression and said tongue thereby urging said slide member into said casing.

2,598,598

AUXILIARY FLUID SUPPLY VALVE

Clayton B. Pierce, New York, N. Y., assignor to Emerol Manufacturing Co., New York, N. Y., a corporation of Illinois

Application July 11, 1945, Serial No. 604,460
2 Claims. (Cl. 137—153)



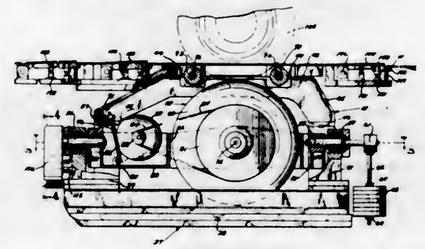
1. A pressure responsive device of the character described comprising, a housing, an open-ended outer sleeve threadedly mounted in one end of the housing for adjustment into and out of the housing, an open-ended inner sleeve threadedly mounted in the outer sleeve for rotary adjustment into and out of the outer sleeve, a flexible diaphragm carried by the inner sleeve intermediate the length thereof, a closure for the outer end of the inner sleeve, said diaphragm dividing the housing into two non-communicating chambers one of which is a pressure chamber, the opposite end of the housing being provided with an inlet including a hollow stem disposed interiorly of the pressure chamber and having an open inner end provided with a valve seat, said stem being provided with an open-ended tubular extension having in its side wall an outlet passageway and communicating with the open upper end of the stem and with the pressure chamber, said stem extension serving as a guide for a needle valve which is reciprocably mounted therein for cooperation with the valve seat of the stem, resilient means holding said stem in engagement with the diaphragm, and the pressure chamber being provided with an oulet.

2,598,599

WHEEL ALIGNMENT GAUGE

Edwin Pleasance, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application May 8, 1948, Serial No. 25,927
14 Claims. (Cl. 33—203.13)



1. A gage for checking wheel alignment comprising a drum having a spherical peripheral surface in frictional engagement with the periphery of the wheel, means mounting said drum for angular movement about longitudinal and transverse axes, means rotating said drum about said transverse axis, and means measuring the transverse force exerted by the wheel upon the drum tending to rotate said drum about said longitudinal axis.

2,598,600

CLIP FOR GARMENTS OR THE LIKE

Richard Lorence Rank, St. Louis, Mo.

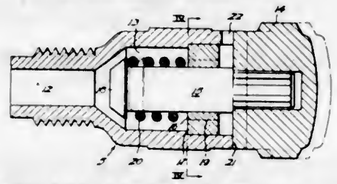
Application January 24, 1949, Serial No. 72,500
6 Claims. (Cl. 24—250)



1. In a clip, first and second jaw members pivoted together adjacent their upper ends, and having engaging portions adjacent their lower ends, an opening through the first jaw member above its engaging portion, a spring-leaf disposed longitudinally of the first member, attached at

one end thereto, and with its free end extending adjacent to one edge of the opening, a latch member pivoted to the second jaw member for rocking about an axis that is inward from the free end of the spring-leaf on the first jaw member, the latch member extending in a U-type bend from its axis, in a first direction, then around and into the opposite direction, to provide the U-shaped portion to pass over the end of the spring-leaf, and through the opening, abutment means on the second jaw member projecting toward the first jaw member and against which the spring-leaf engages inwardly from its free end, in closing movement of the latch member and jaw members, the bend in the latch member being shaped to engage the end of the spring-leaf beyond the abutment means during such closing movement to deform said end over the abutment means, and to relieve said deformation when the jaw and latch members are in closed positions.

2,598,601
WINDSHIELD CLEARING SYSTEM
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application February 5, 1947, Serial No. 726,522
3 Claims. (Cl. 299—59)



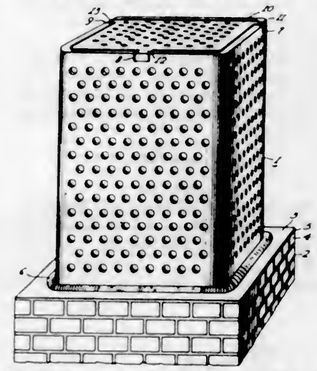
1. A windshield washer, having a nozzle having a delivery orifice, pressure means connected to the nozzle and operable to feed a predetermined volume of liquid to the nozzle for discharge therefrom, and a spring retracted cleaning plug within the nozzle normally defining an interval passage and capable of being withdrawn to enlarge the passage for flushing out the orifice.

2,598,602
TRIANGULAR RADIANT
James Leonard Raulston, South Pittsburg, Tenn.
Application August 4, 1949, Serial No. 108,449
3 Claims. (Cl. 126—92)



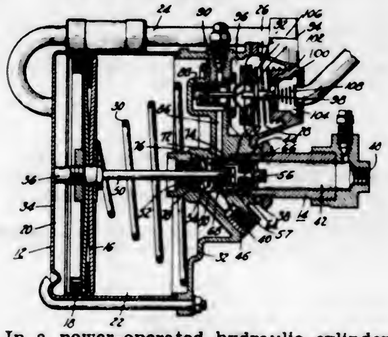
3. An elongated hollow radiant of triangular cross-sectional conformation, the front walls thereof being of open work construction and forming the apex of the triangle, said front walls being disposed at substantially right angles with respect to each other, the rear wall of said radiant having a centrally raised inner surface formed by rearwardly inclined surfaces providing an apex on the vertical center line of said rear wall, the angular relationship between said inclined surfaces being substantially greater than the angular relationship between the front walls of said radiant, a plurality of substantially conical spaced projections on said inclined surfaces extending forwardly therefrom, and a plurality of substantially conical spaced projections extending rearwardly from the inner surfaces of the front walls of said radiant.

2,598,603
CERAMIC SPARK ARRESTER
Joseph P. Richtarsic, Pittsburgh, Pa.
Application January 22, 1949, Serial No. 72,231
2 Claims. (Cl. 183—51)



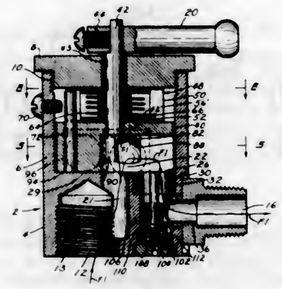
1. A spark arrester for the top of a chimney, comprising, in combination, a ceramic foraminous sleeve, in shape and length generally like the rectangular flue liner lengths in common use, having its bottom end cemented to the top of the chimney, a square ceramic foraminous lid for the top of the sleeve, said lid being provided with lugs cooperating with the top edge of the sleeve to interlock the lid and top end of the sleeve to thus hold the lid in position on the sleeve.

2,598,604
POWER-OPERATED HYDRAULIC PRESSURE DEVICE, INCLUDING YIELDABLE PISTON STOP
Evue J. Ringer, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 8, 1945, Serial No. 620,905
8 Claims. (Cl. 60—54.6)



4. In a power-operated hydraulic cylinder, a piston in the cylinder dividing it into two chambers, a conduit adapted to connect said chambers, a valve controlling said conduit, a resilient member urging said valve to close said conduit, a floating member associated with said valve capable of displacing the same to open the conduit, a stop member which is engaged first by the floating member and then by the piston when the latter approaches retracted position, and a spring which acts on said stop member to urge it toward the piston and which is yieldable to permit movement of the piston and stop member as a unit to reach fully retracted position.

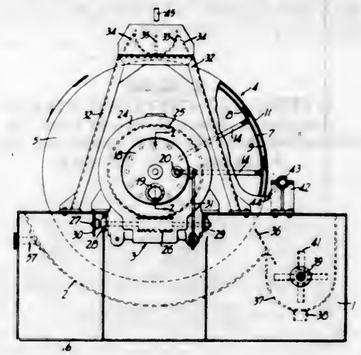
2,598,605
DISTRIBUTING VALVE
James D. Robinson, Memphis, Tenn.
Application March 22, 1950, Serial No. 151,289
12 Claims. (Cl. 137—463)



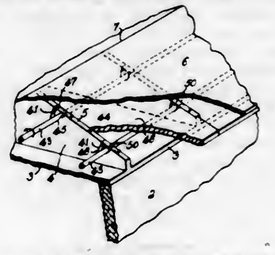
1. A rotary valve comprising a casing defining a cylindrical chamber with a substantially flat bottom wall, an inlet port centrally disposed in said bottom wall, first, second and third outlet ports disposed radially from said inlet port at equal angular intervals in said bottom wall, a rotor rotatably disposed in said chamber and having a substantially flat bottom face engaged against the bottom wall of said chamber, a main channel in the bottom face of said rotor extending radially from the center towards the periphery thereof so as to register constantly with said inlet port and selectively with said outlet ports, said rotor having first and second ball sockets extending upwardly from the bottom face and respectively displaced on each side of said main channel at angular intervals corresponding to the angular spacing between said outlet ports, and third and fourth ball sockets extending upwardly in said rotor from said bottom face and respectively disposed at said angular intervals from said first and second sockets, balls in said sockets dimensioned for seating engagement with said ports so as to close the same upon registry therewith, said rotor having alcove channels connecting said main channel with said ball sockets whereby to transmit back-pressure forces on said balls, and a centering mechanism connected between said chamber and said rotor normally biasing said rotor to a neutral position in which said main channel registers with said second outlet port.

2,598,606
CONTINUOUS ROTARY DRUM THICKENER
Clinton S. Robison, Jr., Wilmette, Ill., assignor to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application October 29, 1948, Serial No. 57,181
5 Claims. (Cl. 210—202)

3. A method of processing slurry comprising: flowing a body of said slurry over the zenith of the rotating drum of a continuous rotary drum filter and down at least the upper halves of its ascending and descending sides while subjecting said upper halves and the slurry flowing thereover to an inwardly directed differential filtering pressure to continuously form a layer of wet pulp on said drum; passing said layer of wet pulp through a fluid pool while subjecting said layer of wet pulp to an inwardly directed differential filtering pressure; sluicing said layer of wet pulp from said drum while simultaneously subjecting said layer of wet pulp to a reverse pressure; repulping the sluiced pulp and using a portion of the repulped pulp for sluicing said layer of wet pulp from said drum.



2,598,607
MOLDED ROOF STRUCTURE AND ITS PRODUCTION
Roy William Rumble, Pretoria, Transvaal, Union of South Africa
Application June 14, 1945, Serial No. 599,427
In the Union of South Africa July 7, 1944
5 Claims. (Cl. 108—1)



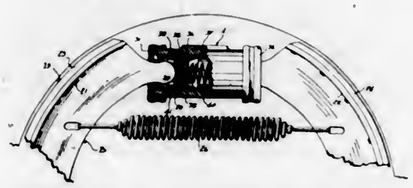
1. The process of erecting a pitched roof with cast-on roof covering, which comprises the steps of supporting a plurality of longitudinally extending bars of circular section on the lower portions of bearing surfaces that diverge from the plane of the roof to be erected toward the ridge of the roof, positioning deck shuttering for the roof covering on said bars, casting the roof covering on said shuttering while leaving an opening in the roof for extraction of the deck shuttering, rolling the bars laterally along the bearing surfaces toward the ridge, lowering the deck shuttering to part it from the cast roof covering, and withdrawing the deck shuttering through the opening.

2,598,608
PREPARATION OF COLLAGENOUS MATERIALS
Torsti P. Salo, Cambridge, and David F. Waugh, Belmont, Mass., assignors, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application June 11, 1946, Serial No. 676,076
4 Claims. (Cl. 260—117)

1. In the process of converting a swollen mass of tendon pieces to a gel of solvated fibrils of sub-

stantially pure collagen from which filaments may be spun, the steps which comprise blending the swollen mass with a water to form a dilute sol and centrifuging the dilute sol prior to conversion to a gel for spinning.

2,598,609
HYDRAULIC CYLINDER PISTON
Charles A. Samuel, Forest Park, Ill.
Application July 25, 1947, Serial No. 763,464
9 Claims. (Cl. 60—54.6)



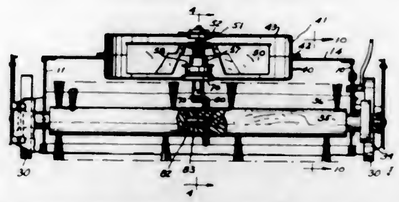
2. In a fluid actuated motor having means defining a cylinder, a piston member reciprocally disposed in said cylinder, and a flexible generally disc-like member disposed adjacent one terminal of said piston, the periphery of said disc-like member normally being complementary to the internal bore of said cylinder, said arrangement being particularly characterized by the provision of generally coaxial protuberance on the adjacent terminal of one of said members arranged upon reciprocation of said piston in the direction of said flexible member to engage the same in radially spaced relation to the periphery thereof, whereby to cause the portion of said periphery adjacent said piston to move radially inwardly and the portion of said periphery removed from said piston to move radially outwardly to thus produce a seal and locked relation with the bore of said cylinder followed by a diaphragm action in the central portion of said flexible member reflectible upon the piston to cause movement of the piston axially in the cylinder to perform work.

2,598,610
STORM SHUTTER ASSEMBLY
Carl Satz, Miami, and Frank Satz, Hollywood, Fla.
Application July 6, 1949, Serial No. 103,184
2 Claims. (Cl. 20—58)



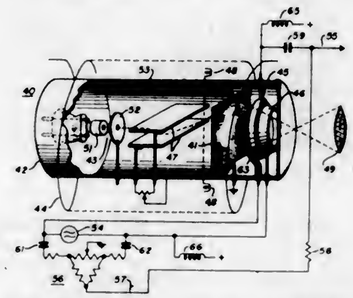
2. In combination with a window frame which includes lateral stiles, a keeper plate superimposed on and fixedly secured to each stile, the outer marginal edge of each plate being extended beyond its stile and reversely folded to provide a reinforced edge adjacent the outer marginal wall of the stile, a sash protecting panel engaged completely across said window frame against the keeper plates, and a pair of resiliently connected hook clips, each consisting of a blank to provide a body bent back upon itself to form a hook, adapted to be flexed over the opposite margins of the protective panel and keeper plates for detachably securing the panel to the window frame.

2,598,611
CARPET SWEEPER HAVING AN AUTOMATICALLY DRIVEN DUST REMOVER
William A. Sherbondy, Shaker Heights, Ohio
Application October 17, 1947, Serial No. 780,361
7 Claims. (Cl. 15—342)



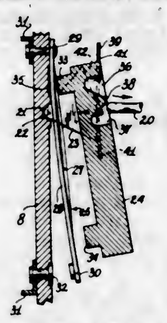
1. The combination of a casing, traction wheels for supporting the same, a horizontal brush shaft within the casing carrying a brush to engage the carpet and having a driving connection with the traction wheels, said casing having a substantially flat top with an opening in it, a fan housing composed of a lower cup facing upwardly and seated in said opening and an upper cup facing downwardly and registering with the lower cup, a fan shaft having a bearing at its upper end in the top wall of the upper cup of the fan housing, the lower cup of the fan housing having an air opening in its central region, a bridge across said opening, an overrunning clutch carried by said bridge and adapted to operate the fan shaft, a rotary driving member on an intermediate region of the brush shaft, and a connection within the casing between said driving member and the clutch.

2,598,612
MODULATING SYSTEM AND APPARATUS
John R. Shonnard, New York, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application December 30, 1948, Serial No. 68,229
12 Claims. (Cl. 178—7.2)



1. In a modulator for picture transmission, in combination, a triode phototube provided with two contiguous electron-emissive cathodes exposed to radiation to produce electrons and a neutralizing electrode spaced therefrom and isolated from cathode emission, a source of alternating carrier current, a bridge network having opposite terminals connected to said source of carrier current and also to a cathode and neutralizing electrode of said tube, means including said source for rendering the cathodes of said tube alternately operative to establish current flow to the other cathode as an anode on alternate half-cycles of said carrier-current source and an output circuit connected to one of said cathodes to derive a signal composed of an alternating carrier from said source, modulated in accordance with the instantaneous variations in the excitation of said electron-emissive cathodes.

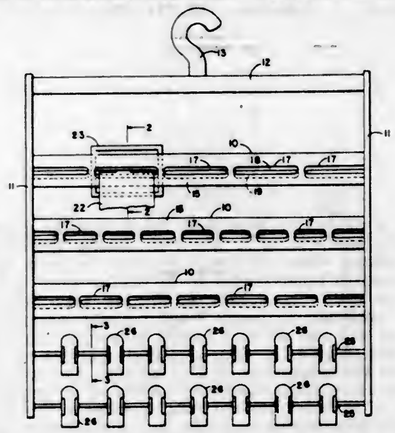
2,598,613
CONTROL SWITCH OF THE PUSH-PUSH TYPE
Arnold Simoni, Granby, Quebec, Canada
Application March 9, 1950, Serial No. 148,548
1 Claim. (Cl. 200—153)



In an electric switch of the "push-push" type, said switch having a contact member for closing and opening a circuit and consisting of a strip slitted longitudinally to a pair of outside portions and a center portion, said portions being relatively deformed by peening so that the length of the center is different from the outside portions, a rocker fulcrumed over the contact member and substantially parallel thereto, a projection at each end of the rocker adapted to engage the corresponding end of the contact member, one of said projections engaging the center and the other projection the outside portions of the contact member respectively, means for passively retaining the rocker in either of its engaging positions with the contact member, the said rocker having an angularly diverging recess in its outer face opposed to the contact member on each side of the fulcrum, and an axially movable and spring retractable plunger for engaging in turn each of the recesses as said plunger is extended into said recesses, whereby the rocker is alternately rocked from one side to the other to engage the portions of the contact member causing said member to snap into circuit closing and circuit opening position.

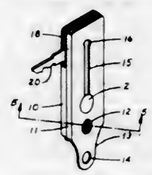
2,598,614
BELT HANGER
Hilda Gilbert, Cleveland, Ohio
Application March 2, 1950, Serial No. 147,240
2 Claims. (Cl. 211—113)

1. A belt hanger for supporting a plurality of belts, comprising two spaced vertical frame members, a plurality of vertically spaced flat bars connected to said frame members, said bars having a small thickness dimension relative to said width dimension, the width dimension extending vertically, surfaces on said bars defining elongated horizontal slots through the thickness of said bars adapted to receive one belt strap in each of said slots with the belt buckle abutting one vertical face of said bars, each of said bars being made of a relatively hard non-pliable transparent material to permit viewing both the belt strap and the belt buckle from either side of the belt hanger, the slots of different bars being other than in vertical alignment to thus facilitate viewing an assortment of belts threaded through the various slots, at least the lower surface defining each of said slots being disposed at an acute angle



to the horizontal to establish a sharp knife edge surface upon which a belt strap will lie when threaded through one of said slots, thereby providing a firm gripping action with the belt strap to prevent the belt strap from sliding through the slot despite the weight of a buckle on the belt strap.

2,598,615
KEY CASE
Hubert Snyder, New London, Ohio
Application December 14, 1946, Serial No. 716,404
4 Claims. (Cl. 70—456)



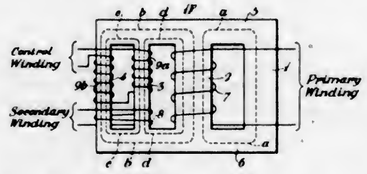
3. A container for a key having an aperture comprising, a flat receptacle for said key open at one end and along one of its narrow edges adjacent said open end and having a slot extending longitudinally in one of its walls, a plug member adapted to be inserted in the aperture of a key sufficiently tight that there is no relative movement between the key and the plug member, said plug member having a threaded hole through it, and an actuator having an externally positioned head whose diameter is larger than the width of the said slot and a threaded shank extending from the said head through the said slot into the interior of said receptacle where it is in threaded engagement with the said plug member for holding the said key in said receptacle, said actuator being in such frictional engagement with the receptacle that the said key can be easily slid out of and back into said receptacle by a person pushing on said actuator head, yet when said actuator is not being pushed said key and said receptacle will frictionally maintain their relative positions.

2,598,616
CRATE FOR EGGS OR OTHER SIMILAR PIECE GOODS
Olof Fredrik Sterner, Overlida, Sweden
Application October 20, 1950, Serial No. 191,207
In Sweden August 24, 1949
4 Claims. (Cl. 217—36)



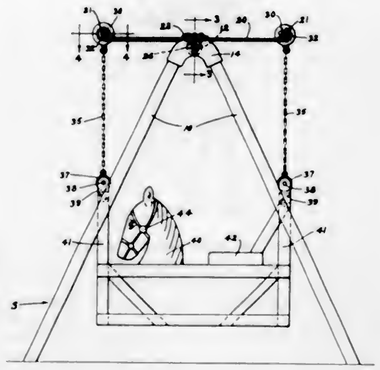
4. A crate for eggs and other similar piece-goods, comprising a box-like casing including a bottom, trays carried by said bottom and adapted to receive eggs in layers between them, a side wall structure surrounding said bottom and said egg carrying trays, a slat extending across the top of said casing, a second slat extending in parallel with said first-mentioned slat across the underside of said bottom, two assembling and locking members arranged on opposite sides of said side wall structure between the ends of said first-mentioned slat and said bottom, said assembling and locking members consisting of iron frames movable in vertical guideways provided each in one of two opposed walls of said side wall structure, and adapted to connect the ends of said first-mentioned slat with the ends of said second-mentioned slat by passing around the averted sides of said two slats so as to lock the side wall structure between them, stops mounted on the sides of said vertical guideways and engaging in slots in said iron frames, said stops being adapted to limit the range of movement of said iron frames and to permit said iron frames after withdrawal of said first-mentioned slat to move downwardly in said vertical guideways, while remaining therein, such a distance as to release said second-mentioned slat from its engagement with said iron frames so that it may be withdrawn, and a transverse slat at the intermediate portion of each of said iron frames adapted to engage over the ends of said first-mentioned slat to hold together the trays in the crate, when the trays are empty and piled upon one another and reach a level lower than that when eggs are placed between them.

2,598,617
ALTERNATING ELECTRIC CURRENT TRANSFORMER
Saul Stimler, Brooklyn, N. Y., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application November 17, 1948, Serial No. 60,533
8 Claims. (Cl. 171—119)



1. An alternating electric current transformer comprising a core having a first and a second and also a third and a fourth leg arranged with a given end of each of said legs connected with a given end of each of the other legs in the order named and with the opposite ends of said legs also connected together in the order named, a primary winding around said second leg, a control winding consisting of two equal portions one of which is around said third leg and the other of which is around said fourth leg, and a secondary winding around said third and fourth legs.

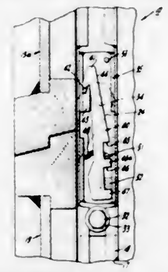
2,598,618
SWING AND SUPPORT THEREFOR
Rudolph A. St. Louis, Boston, Mass.
Application July 8, 1950, Serial No. 172,703
8 Claims. (Cl. 155—58)



6. A swing construction or the like comprising a main supporting standard embodying a cross support bar extending laterally, a spring support member extending laterally cross-wise of and mounted on said cross support bar, two swing supporting members embodying two rods supported by opposite end portions of said spring supporting member, said rods each embodying two rotatable members spaced apart and rotatably mounted thereon, suspension members for a swing supported by said rotatable members and embodying two rotatable members, means rotatably supporting said latter rotatable members, and a swing embodying end extensions at opposite end portions thereof extending uprightly and attached to said means.

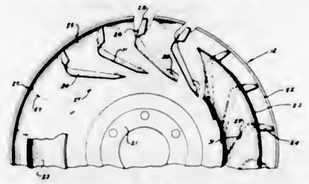
2,598,619
INDEPENDENTLY OPERABLE MULTIPLE WINDOW STRUCTURE
Russell S. Strand, Huntington Park, Calif., assignor to Continental Specialties Company, Ltd., Los Angeles, Calif., a corporation of California
Application December 10, 1949, Serial No. 132,249
9 Claims. (Cl. 189—67)

1. A window structure of the character described comprising first and second structures which are free to move relatively to one another, and means for latching the same together comprising a latch lever mounted on the first structure, latch engaging means mounted on the second structure, a fulcrum for the latch lever associated with the first structure, said latch lever being free to shift relatively to said fulcrum, means associated with the first structure for urging the latch lever in a direction to engage said latch engaging means or in a direction to disengage the same according to the position of the latch lever relatively to the fulcrum, and latch



shifting means associated with the second structure for shifting the latch member.

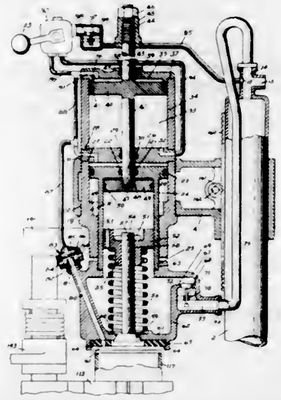
2,598,620
HYDRAULIC TORQUE TRANSMITTING DEVICE
John F. Swift, Ypsilanti, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 21, 1947, Serial No. 730,124
5 Claims. (Cl. 103—115)



2. A vaned wheel for a hydraulic torque transmitting device comprising a supporting shroud and a plurality of angularly spaced vanes assembled on said shroud, each of said vanes having a plurality of tabs projecting from one edge of the vane with all of said tabs extending in the same direction and at an acute angle to the axis of rotation of said vaned wheel, and said shroud having openings formed therein for receiving said tabs.

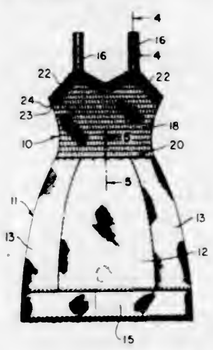
2,598,621
MACHINE FOR BLOWING SAND INTO MOLDS
Russell W. Taccone, North East, Pa., assignor to Taccone Pneumatic Foundry Equipment Corporation, North East, Pa., a corporation of Pennsylvania
Application April 2, 1948, Serial No. 18,589
8 Claims. (Cl. 22—10)

1. A mold blowing machine comprising a vertically disposed cylinder having independent upper and lower chambers, a power piston slidable in said upper chamber, a piston having a depending skirted portion slidable in said lower chamber, a source of air, air lines connecting to the upper ends of said chambers and said source of air, control means in said air lines for controlling the operation of said pistons in said chambers, an apertured wall separating said chambers, a compression piston slidable in the skirted portion of said last mentioned chamber, a piston rod connecting said power piston and said compression piston extending through said apertured wall, a hollow seating member attached to the skirted portion of said piston in said lower chamber having an outlet port therein, a valve in said outlet port in said seating member for opening and closing same, pipe connections from said hollow seating member to said source of air, an apertured piston slidable in said skirted portion of said piston in said lower chamber in opposed relationship to said compression piston slidable therein and engageable by said compression piston, a shaft connecting said apertured piston and said valve, a spring surrounding said shaft urging said apertured piston and valve movable therewith upwardly whereby said valve is urged to a closed



position in the outlet port of said seating member, a support for said cylinder, and a sand holder attached to said support swingable into axial alignment with said seating member whereby the movement of said seating member is arrested in its downward movement and said compression piston compresses the air in said seating member obtained from said source of air through connections thereto.

2,598,622
CHILD'S SLIP
Irving N. Tolkin, Hewlett Harbor, N. Y., assignor to Style Undies, Inc., New York, N. Y., a corporation of New York
Application June 8, 1951, Serial No. 230,624
2 Claims. (Cl. 2—75)



1. A child's slip comprising a bodice portion, a skirt portion, and shoulder straps, said bodice portion being made of an elasticized fabric having pronounced horizontal stretchability, and the upper edge of said skirt portion being joined to

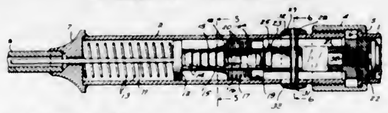
the lower edge of said bodice portion and folded upwardly with part of the material of said skirt portion at the waist of the slip overlying said bodice portion and again joined thereto a small distance above the first mentioned juncture and then folded downwardly, whereby the slip may be lengthened by repositioning the first mentioned juncture with respect to the last mentioned juncture.

2,598,623
DYNAMOELECTRIC MACHINE
Fred P. Vacha, Auburndale, Mass., assignor, by mesne assignments, to National Pneumatic Co., Inc., a corporation of Delaware
Application March 29, 1949, Serial No. 84,138
5 Claims. (Cl. 171—252)



1. In a dynamo-electric machine, in combination with a rotor and housing elements supporting opposite end portions of said rotor, a stator assembly supported between and by said housing elements, said stator assembly including concentrically disposed inner and outer metallic cylinders, the inner cylinder having a plurality of solid metallic extensions projecting radially outward to the inner surface of said outer cylinder, said solid radial extensions being integral parts of a single block of metal, and constituting the polar elements of said stator assembly, and means for hermetically sealing said stator assembly independently of said housing elements and said rotor.

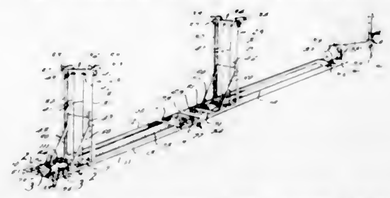
2,598,624
DENTAL INSTRUMENT
Philip J. Van der Woude, New York, N. Y.
Application October 23, 1947, Serial No. 781,573
4 Claims. (Cl. 32—60)



1. A dental filler comprising a casing terminating in a member having a restricted bore, a plunger mounted for reciprocation in said casing, a ratchet shaft connected to said plunger, a feeding pawl engaging said ratchet for advancing same, a holding pawl for maintaining said ratchet shaft in fixed position when said feeding pawl is released, a spring acting to retract said plunger, a releasing element for said pawls and an actuating device external of said casing for said releasing element, and permitting said plunger to be retracted by said spring.

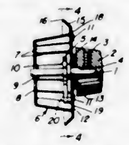
2,598,625
HOISTING APPARATUS
David A. Wallace, Grosse Pointe Farms, Mich., assignor to Walco, Inc., Detroit, Mich., a corporation of Michigan
Application November 4, 1948, Serial No. 58,219
13 Claims. (Cl. 254—89)

1. Vehicle hoisting apparatus including a support, a pair of hoisting units mounted on said support, each including a boom member shiftable between upper and lower positions, means for drivingly shifting said boom members including a pair of screw elements each operatively connected with one of said boom members respectively, a releasable clutch for selectively con-



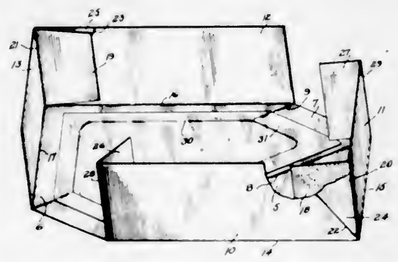
necting and disconnecting said screw elements to permit simultaneous shifting of said boom members and shifting of only one thereof respectively, and manually operable control mechanism for selectively engaging and disengaging said clutch.

2,598,626
PIE DOUGH TRIMMER AND SEALER
Robert Alexander Wangeman, Sheboygan, Wis.
Application September 18, 1947, Serial No. 774,876
3 Claims. (Cl. 107—49)



1. An improved pie dough trimming and sealing implement including a rotatable shaft, an operating knob fixed to one end thereof, a pie dough trimming knife rotatably mounted on said shaft, a beveled and fluted pie edge sealing gear rotatably mounted on said shaft, means for coupling said knife and the gear together, and means for coupling said knife and gear to said shaft for rotation therewith when said operating knob is rotated in one direction, said coupling means being inoperative when the knob is rotated in the opposite direction.

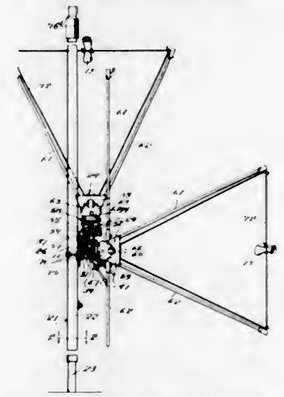
2,598,627
FOLDING CARTON
Arthur J. Weiss, West Englewood, N. J., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application October 11, 1949, Serial No. 120,798
2 Claims. (Cl. 229—22)



1. A pre-glued folding carton collapsible into flat folded form, comprising triangular bottom

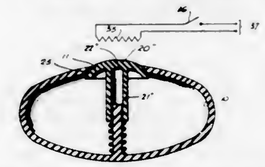
and cover panels joined together by a rectangular wall panel, said rectangular wall panel being connected to corresponding edges of the bottom and cover panels along parallel fold lines, two other wall panels joined to the remaining edges of each of the bottom and cover panels respectively along fold lines having intersections at overlapping corners of the bottom and cover of the closed carton, said wall panels being of substantially the same height, one of said other wall panels joined to the bottom panel having a substantially rectangular foldable extension adhesively secured to the adjoining wall panel to form the corner of the carton, and a diagonal fold line in said adjoining wall panel extending from the corner intersection and defining a triangular folding section to which said foldable extension is adhesively secured, and forming the sole connection between the foldable extension and said adjoining wall panel whereby said wall panels of the bottom will collapse onto the bottom panel in flat condition, the wall panels of said cover being similarly joined at their adjacent ends for collapsing onto the cover panel when said carton is in collapsed condition.

2,598,628
MULTIDELIVERY UNIT FOR IMPROVED TRAIN ORDER DELIVERY DEVICES
Wiley L. White, Calwa City, Calif.
Application October 10, 1947, Serial No. 779,124
3 Claims. (Cl. 258—23)



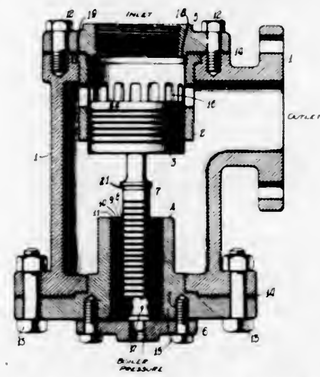
3. In a train order delivery stand, the combination which comprises a vertically adjustable post, a horizontally disposed mounting plate carried by the post, said plate having a pair of vertically aligned keyhole sockets therein, a plurality of plates having vertically aligned keyhole sockets therein hinged on the said horizontally disposed mounting plate with the said keyhole sockets thereof aligned with corresponding sockets of the mounting plate, latch devices on the said horizontally disposed mounting plate for retaining the hinged plates in vertically disposed positions, latch elements also carried by the mounting plate for retaining the said hinged plates in horizontally disposed position, brackets having studs thereon positioned to coact with the keyhole slots of the mounting plate and hinged plates, mounting housings pivotally mounted in said brackets, arms pivotally mounted in said mounting housings, springs in said mounting housings for retaining the arms in inoperative positions, a releasing lever actuated by one of the arms of the mounting housings when the arm is released for releasing one of the said latch elements, retaining the hinged plate, bracket, mounting housing and arms in upwardly extended positions, resilient means actuating one of said hinged plates and elements carried thereby to downwardly disposed positions as one of the said latch elements is released, and train order carrying cords extended from said mounting housings and over the outer ends of the arms for retaining the arms, in angularly disposed outwardly extended positions.

2,598,629
SEALED DISPENSING CONTAINER AND METHOD OF SEALING THE SAME
Daniel D. Whyte, Brooklyn, N. Y.
Application June 3, 1949, Serial No. 97,789
7 Claims. (Cl. 222—501)



5. A dispensing container comprising, in combination, a hollow body member having a dispensing aperture in one wall and guide means projecting from the opposite wall toward the aperture, a valve member within the body member and formed to engage said guide means and the aperture, means biasing said valve member outwardly into closing relation with the aperture, the material of said members having different incipient fusion temperatures, and a frangible seal between said members formed from the member, the material of which has the lower incipient fusion temperature.

2,598,630
BACK-PRESSURE VALVE
Glen W. Winberg, Gamboa, C. Z.
Application February 27, 1945, Serial No. 579,939
11 Claims. (Cl. 137—153)



1. In a back pressure valve, a valve casing, an inlet and an outlet in said casing and a cylinder mounted below said inlet, said cylinder being provided with ports whereby communication between said inlet and outlet may be controlled by movement of a piston in said cylinder; a

second piston depending from said first piston and mounted to reciprocate in a second cylinder in said valve casing, a cylinder head mounted below said second piston and an inlet in said cylinder head providing communication to said second cylinder, said second piston being surrounding by a reversible cylinder sleeve.

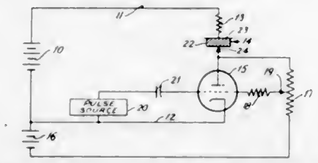
6. A cylinder sleeve adapted to be secured to the wall of a cylinder, said sleeve being reversible so that the same can be secured to a piston in said cylinder to increase the head area of said piston, said sleeve comprising a cylinder having an outwardly flaring portion at one end thereof.

2,598,631

STABILIZED TRIGGER CIRCUIT

Marion Loren Wood, Highland, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 27, 1950, Serial No. 202,830
5 Claims. (Cl. 250—27)



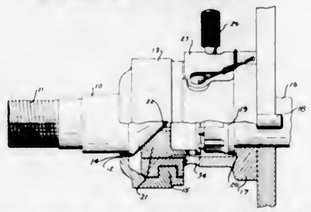
5. A trigger circuit having two states of equilibrium comprising a two terminal variable resistance element with a characteristic having a positive and negative variational resistance region, an electron discharge device having at least a single control grid, positive feedback means for controlling the electrical characteristic of said device, said feedback means being controlled by said element, said characteristic of said device being different in said two states of equilibrium, and means for initiating a change in said characteristics.

2,598,632

ENGINE MOUNT

Emil Zoerlein, Dearborn, and William C. Vincent and Edward J. Luce, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application September 26, 1946, Serial No. 699,542
2 Claims. (Cl. 248—2)



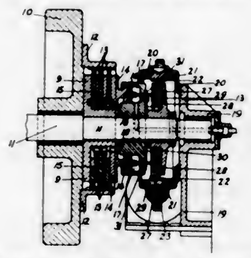
1. In an aircraft engine mount, a fastening member adapted to be secured directly to the engine and having a shoulder and a conical tapered head the apex of which is directed away from the engine, a nut surrounding the fastening member and coacting with the shoulder and having internal threads, an internally and externally threaded fuselage member adapted to be secured to the aircraft fuselage, and an adjustable bearing block carried on the internal threads of the fuselage member and having a conical tapered face adapted to coact with the head of the fastening member.

2,598,633

BRAKE AND INCHING CONTROL MECHANISM FOR MECHANICAL PRESSES

Leslie B. Baldwin, Auburn, near Sydney, New South Wales, Australia, assignor to Welded Products Limited, Alexandria, near Sydney, New South Wales, Australia, a company of New South Wales, Australia

Application April 21, 1948, Serial No. 22,358
In Australia July 9, 1947
3 Claims. (Cl. 60—6)



1. In apparatus of the class described, a drive shaft adapted to be rotated normally by a principal means; a flywheel rotatably mounted on said drive shaft; a first clutch member mounted on said flywheel; a second clutch member mounted on said drive shaft for axial movement thereon; an inching control transmission member; a spring normally maintaining said second clutch member in engagement with said inching control transmission member; a hydraulic ram for moving said second clutch member away from said inching control transmission member and into engagement with said first clutch member; an auxiliary motor for rotating said inching control transmission member and thereby inching said apparatus by driving said drive shaft when said second clutch member is in engagement with said inching control transmission member; and a solenoidally controlled brake for arresting said auxiliary motor.

2,598,634

METHOD OF PREPARING ADDUCTS

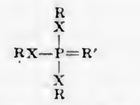
Joachim Dazzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 25, 1950, Serial No. 151,997
19 Claims. (Cl. 260—404.8)

1. The process of preparing adducts which comprises heating at temperatures of from 150° C. to 300° C. a mixture comprising maleic anhydride, a fatty acid compound having the general formula

YCOOZ

wherein Y is a non-conjugated, olefinic, aliphatic hydrocarbon residue of from 9 to 23 carbon atoms and Z is a member of the group consisting of hydrogen and alkyl radicals of from 1 to 8 carbon atoms, and a phosphorus compound having the general formula



in which R is a member of the group consisting of alkyl, aryl and aralkyl radicals of from 1 to 8 carbon atoms, X is a member of the group consisting of oxygen and sulfur, R′ is a member of the group consisting of oxygen, sulfur and selenium, and in which both X and R′ in any one compound are not oxygen, the quantity of said phosphorus compound being from 0.5 per cent to 5.0 per cent by weight of the weight of the maleic anhydride.

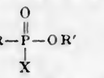
2,598,635

METHOD OF PREPARING ADDUCTS

Joachim Dazzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 11, 1950
Serial No. 155,341
13 Claims. (Cl. 260—404.8)

1. The process of preparing adducts which comprises heating at temperatures of from 150° C. to 300° C. a mixture comprising maleic anhydride, a fatty acid compound having the general formula YCOOZ wherein Y is a non-conjugated olefinic, aliphatic hydrocarbon residue of from 9 to 23 carbon atoms and Z is a member of the group consisting of hydrogen and alkyl radicals of from 1 to 8 carbon atoms, and a phosphorus compound having the general formula:



in which R is a member of the group consisting of alkyl, phenyl, alkylphenyl, xenyl and naphthyl radicals of from 2 to 12 carbon atoms and their mono-chloro substitution products, R′ is a member of the group consisting of hydrogen and R, and X is a member of the group consisting of R, OR and OH, the quantity of said phosphorus compound being from 0.5 percent to 5.0 percent by weight of the weight of the maleic anhydride.

2,598,636

PLASTICIZED VINYL CHLORIDE POLYMER

Joachim Dazzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 25, 1950, Serial No. 186,680
6 Claims. (Cl. 260—31.8)

1. A resinous composition comprising a vinyl chloride polymer plasticized with a tetracarboxylate in which 1 mole of an aconitate selected from the class consisting of simple trialkyl aconitates and simple tris(alkoxyalkyl) aconitates in which each alkyl radical and each alkoxyalkyl radical has from 1 to 8 carbon atoms, is combined at the acid portion of one mole of an ester selected from the class consisting of alkyl and alkoxyalkyl esters of non-conjugated, unsaturated, non-hydroxylated fatty acids of from 10 to 24 carbon atoms in which each alkyl radical and each alkoxyalkyl radical has from 1 to 8 carbon atoms.

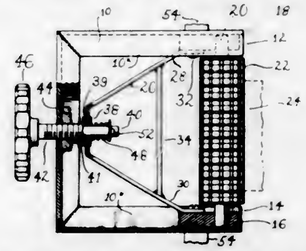
2,598,637

GRINDSTONE WHEEL DRESSER

Andrew J. Engle, Chicago, Ill., assignor of one-half to James E. Kennedy, Chicago, Ill.

Application May 1, 1947, Serial No. 745,266
2 Claims. (Cl. 125—11)

1. A grindstone dressing device comprising a U-shaped channel, the said U-shaped channel formed into a U-shaped frame, an opening between the extending arms of said U-shaped frame, the said U-shaped frame arms having open ends thereon, bearing members slidably mounted within the U-shaped channels forming the said open end arms, a means to hold said bearing members in parallel juxtaposition within the said open end arms, the said means to hold said bearing members in parallel relation comprising a V-shaped yoke, the ends of said yoke attached to said slidable bearing members, the apex of said yoke having therein an opening, a spindle inserted therethrough, screw threads on that part of the said spindle above



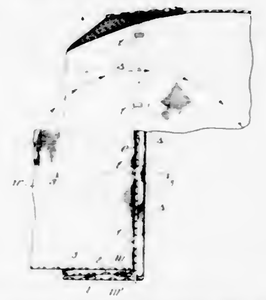
the said opening in the apex of said yoke, a threaded nut mounted within the base of said U-shaped frame to engage the said threads on the spindle, a hand wheel mounted fixedly on that end of the said spindle protruding through said U-shaped frame base, and a spring mounted on that part of said spindle protruding through said apex of the yoke to keep the apex of said yoke in contacting juxtaposition with the said threaded portion of said spindle.

2,598,638

HEMMED ARTICLE AND METHOD OF MAKING THE SAME

John P. Enos, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Original application February 20, 1948, Serial No. 9,678. Divided and this application April 28, 1949, Serial No. 90,070
4 Claims. (Cl. 112—262)



1. A hemmed article comprising a body material having a portion thereof folded into substantially Z-shape with a marginal portion thereof projecting beyond the fold-edge proximate thereto and folded back with the edge portion of the marginal portion lying between the fold-plies; a plurality of straightaway stitches formed in said projecting marginal portion beside and parallel to said fold edge; and at intervals, spaced by said straightaway stitches, lateral stitches extending through said fold-edge, edge portion, and marginal portion to anchor the fold-edge to said marginal portion and to secure said edge portion between said fold-plies.

2,598,639

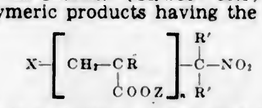
LOW MOLECULAR WEIGHT, NITROGENOUS ACRYLATE POLYMERS

Joseph E. Fields, Dayton, and George L. Wesp, Englewood, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 23, 1950, Serial No. 145,906

12 Claims. (Cl. 260—89.5)

10. Polymeric products having the formula



wherein n is an integer of not more than 100, X is a member of the group consisting of hydrogen and halogen, Z is a member of the group consisting of alkyl, aryl, alkaryl, cycloalkyl and heterocyclic radicals, R is a member of the group consisting of hydrogen and the methyl radical and R′ is a member of the group consisting of hydrogen and alkyl radicals of from 1 to 4 carbon atoms.

2,598,640

PROCESS FOR PRODUCING β-(ALKYL MERCAPTO) ETHYL CHLORIDE

John K. Fincke, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 24, 1948, Serial No. 10,587

2 Claims. (Cl. 260—609)

1. The process for producing a β-(alkyl mercapto) ethyl chloride which consists in treating a β-(alkyl mercapto) ethanol wherein the alkyl group has from 6 to 18 carbon atoms, with anhydrous hydrogen chloride at a temperature above the melting point of the said β-(alkyl mercapto) ethanol, but below 100° C.

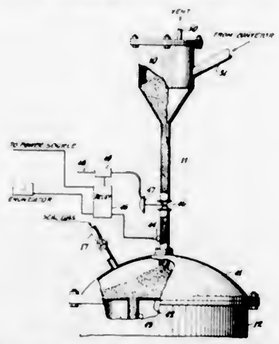
2,598,641

THERMOSTATIC CONTROL OF SEAL LEG VALVES

Lloyd Wilson Head, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application May 18, 1949, Serial No. 93,996

6 Claims. (Cl. 23—1)



1. In a process for contacting fluids under pressure with a continuously flowing substantially compact body of particle-form, high temperature, solid material, the steps which comprise gravitating said material downwardly as a continuous compact column from a storage zone through a conduit to a solid material accumulating zone and thence, at a predetermined rate, to a pressurized reaction zone, introducing an inert seal gas under pressure to said accumulating zone, the temperature of said seal gas being maintained below the temperature of said solid material, continually sensing with a temperature-sensitive device the temperature in the lower portion of the said conduit, and automatically closing the conduit, in response to the temperature sensed by said temperature-sensitive device, to prevent the escape of any substantial amount of said fluid through said conduit when the temperature sensed by said temperature-sensitive device falls below a predetermined value, said value being in the range between the temperature of the solid material and the temperature of the seal gas.

2,598,642

PROCESS OF AROMATIZING HYDROCARBONS WITH METAL FLUORIDE CATALYST IN PRESENCE OF OXYGEN AND HYDROGEN FLUORIDE

Forrest R. Hurley, Jamestown, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 24, 1949, Serial No. 117,740

6 Claims. (Cl. 260—673.5)

1. A process for the production of cyclic hydrocarbons from n-heptane which comprises contacting n-heptane with a dehydrocyclicization catalyst comprising the combination of manganese fluoride and iron fluoride in which the proportion of iron calculated as the metal is from 10 percent to 90 percent by weight of the iron and manganese present in the said catalyst, at a temperature of from 450° to 600° C. in the presence of minor proportions of oxygen and of hydrogen fluoride.

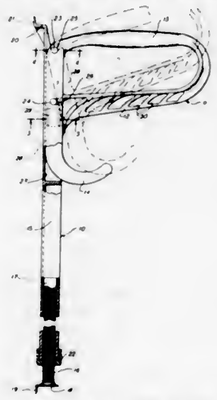
2,598,643

PORTABLE CLOTHES HANGER HOLDER AND CARRIER

Samuel Kaplan, New York, and Louis Stark, Brooklyn, N. Y., assignors to Kastar Incorporated, Bronx, N. Y., a corporation of New York

Application July 11, 1950, Serial No. 173,126

4 Claims. (Cl. 224—42.45)



1. A portable clothes hanger comprising a supporting post, and a hanger supporting carrier releasably secured to said supporting post, said hanger supporting carrier having a hook receiving portion and a carrying handle portion said supporting post having a vertical slot and a horizontal slot, a pin on said hanger supporting carrier adapted to fit into said vertical slot and a pin on said hanger supporting carrier adapted to fit into said horizontal slot.

2,598,644

STYRENATED OIL, STYRENE OXIDE-PHENOL RESIN, DRYING OIL COATING COMPOSITION

Paul E. Marling, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 29, 1948, Serial No. 51,859

3 Claims. (Cl. 260—23)

3. A coating composition comprising (A) a soluble copolymer of 25 to 75 percent by weight of a compound selected from the group consisting of styrene, α-methylstyrene, vinylbiphenyl and isopropenylbiphenyl; and 75 to 25 percent of a natural drying oil, (B) a natural drying oil, and (C) a resin prepared by condensing styrene oxide and a phenol of the formula:



wherein R is a radical of the group consisting of hydrogen and alkyl radicals having up to 6 carbon atoms.

2,598,645

STYRENATED-UNSATURATED OIL MODIFIED ALKYD, DRYING OIL, AND A PHENOL-STYRENE OXIDE RESIN COATING COMPOSITION

Paul E. Marling, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 29, 1948, Serial No. 51,860

3 Claims. (Cl. 260—22)

1. A coating composition comprising a soluble copolymer of from 25 to 75 percent by weight of a compound of the group consisting of styrene, α-methylstyrene, vinylbiphenyl and isopropenylbiphenyl, and from 75 to 25 percent of an unsaturated natural drying oil acid modified alkyd resin having an acid number between 0 and 20, a natural drying oil, and a resin prepared by condensing styrene oxide and a phenol of the formula:



where R is a radical of the group consisting of hydrogen and alkyl radicals having up to six carbon atoms.

2,598,646

PRODUCTION OF POLYCHLOROETHENES

Aylmer Henry Maude and David Solomon Rosenberg, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application December 23, 1949, Serial No. 134,868

8 Claims. (Cl. 260—654)

1. A continuous process for dehydrochlorinating a polychloroethane having the general formula $C_2H_xCl_y$ wherein x is an integer from 1 to 4 inclusive, y is an integer from 2 to 5 inclusive, and the sum of x and y is 6, which comprises: continuously introducing such polychloroethane in the liquid phase and an aqueous alkaline earth metal hydroxide slurry into a closed chamber substantially completely filled with an agitated body of liquid reaction mixture; maintaining said mixture at a reaction temperature below the boiling point of any of the organic azeotropes therein formed; continually transferring a portion of the total reaction mixture in the liquid phase, at a rate substantially equal to the combined rate at which the reactants are introduced into the first chamber, into a second chamber containing aqueous inorganic constituents of the reaction mixture maintained at a temperature above the boiling point of any of the organic azeotropes in the reaction mixture; and condensing the $C_2H_{x-1}Cl_{y-1}$ and any unreacted polychloroethane compound so flash-distilled.

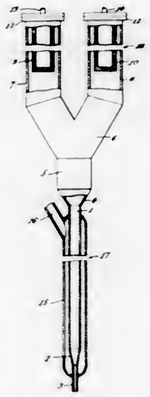
2,598,647

HYDROGENATION OF CARBON MONOXIDE WITH PROMOTED IRON CATALYST

Henry G. McGrath, Elizabeth, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application February 1, 1947, Serial No. 725,835

8 Claims. (Cl. 260—449.6)



8. A process for hydrogenating carbon monoxide with a fluidized catalyst to produce a relatively high yield of oxygenated organic compounds having more than one carbon atom per molecule which comprises flowing a gaseous mixture comprising hydrogen and carbon monoxide through a reaction zone in the presence of a finely-divided iron catalyst containing metallic iron as the essential catalytically active ingredient and between about 0.8 and about 2.0 weight per cent of an alkali metal oxide at a velocity effective to fluidize said finely-divided iron catalyst in the gaseous mixture in said reaction zone at a reaction temperature between about 580° F. and about 750° F. and at a pressure between about 50 and about 500 pounds per square inch gage to produce oxygenated organic compounds having more than one carbon atom per molecule, withdrawing an effluent from said reaction zone after contact of said gaseous mixture with said catalyst and recovering a substantial quantity of oxygenated organic compounds having more than one carbon atom per molecule from said effluent as products of the process.

2,598,648

PROCESS FOR THE PRODUCTION OF COMPOUNDS OF THE ANDROSTANE SERIES

Karl Miescher, Riehen, and Peter Wieland, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application June 26, 1950, Serial No. 170,461. In Switzerland July 15, 1949
7 Claims. (Cl. 260—397.4)

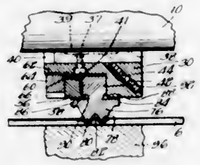
1. A process for the preparation of a compound of the androstane series, which comprises subjecting a member selected from the group consisting of nuclearly saturated 3-hydroxy-20-keto-pregnanes and nuclearly unsaturated 3-hydroxy-20-keto-pregnanes, the double bonds of which are temporarily protected, to the action of an aromatic per-acid selected from the group consisting of perbenzoic acid and monoperphthalic acid in the absence of an esterifying agent, and separating the resultant products.

2,598,649

SLITTING AND SCORING TOOL

Peter Rintoul, Toronto, Ontario, Canada, assignor to Canada Illinois Tools Limited, Toronto, Ontario, Canada, a corporation of Canada

Application May 18, 1949, Serial No. 93,908
3 Claims. (Cl. 164—70)



2. A rotary tool for slitting or scoring sheet material comprising an annular head adapted to be mounted upon an arbor, a tool section carried by said head providing a peripheral working edge, said section comprising a plurality of segmental parts, said tool section having a recess in one face, said recess having a cam surface, a collar for detachably clamping said tool section on said head, a cam surface on said collar cooperable with the cam surface in said recess to seat said tool segmental parts and to clamp them in operative position, a plurality of pins extending radially outward from said head, one of said tool segmental parts having a radial slot, said collar having a radial slot, said slots extending radially only partially into said part and said collar from the inner edge thereof and extending axially completely therethrough and fitting over said pins to preclude rotation of said tool segmental parts and said collar relative to said head, and allowing movement of said parts transverse relative thereto during seating, and a retainer on said head for retaining said collar in clamping position against said tool section.

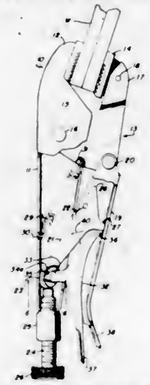
2,598,650

SNAP LOCK PLIERS WITH UNLOCKING LEVER

Justin L. Smith, Watertown, Conn., and Leif H. Eriksen, Oslo, Norway, assignors to Seymour Smith & Son, Inc., Oakville, Conn., a corporation of Connecticut

Application July 28, 1948, Serial No. 41,064
2 Claims. (Cl. 81—84)

1. In a snap-lock toggle-grip pliers, a work-clamping jaw carried rigidly on a stationary plier handle of U-shaped construction, a second work-clamping jaw adjacent said first jaw, an L-shaped lever embraced by said handle and pivotally connected thereto and to said second jaw, a movable handle of U-shaped cross-section pivotally connected at one end to said L-shaped lever, a toggle link embraced by both of said U-shaped handles and pivotally connected adjacent its forward end to said movable handle intermediate the ends thereof, said stationary handle having a longitudinal adjustable screw mounted at its rear and engaging the rear end of said toggle link, and a T-shaped unlocking lever embraced by said movable handle and having a perpendicular leg pivotally connected with the rear end of said toggle link, the rear end of said unlocking lever serving as a handle and the forward end of said unlocking lever having a curved pointed section engageable against the central portion of said movable handle.

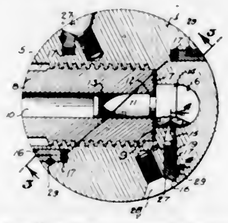


2,598,651

GUN PERFORATOR

Lloyd Spencer, Los Angeles, Calif., assignor of one-third to Thomas C. Bannon, Altadena, and one-third to John D. Chestnut, Newport Beach, Calif.

Application July 1, 1946, Serial No. 680,649
7 Claims. (Cl. 164—0.5)



1. A gun perforator, comprising: a gun body structure incorporating a plurality of gun units, each having a propellant cartridge; means for supplying electrical energy simultaneously to each of said gun units; and a time delay firing means interposed between said electrical supply means and each of said propellant cartridges, said means including an electrically responsive igniting element, an exothermic time delay element including a fuel and oxidizing agent ignited by momentary heating of said igniting element and adapted to continue to burn irrespective of continued operation of said ignition element, and means operable after an interval determined by said time delay element for firing the corresponding propellant charge.

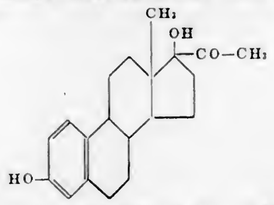
2,598,652

DERIVATIVE OF ESTRADIOL AND PROCESS OF PREPARING IT

Leon Velluz and Georges Muller, Paris, France, assignors to Les Laboratoires Francais de Chimiotherapie, Paris, France, a corporation of France

No Drawing. Application May 8, 1950, Serial No. 160,816. In France June 14, 1949
3 Claims. (Cl. 260—397.4)

1. As a new compound, crystalline 3,17-dihydroxy-17-acetyl-$\Delta_{1,3,5}$-estratriene of the formula



having an optical rotation of $(\alpha)_D$: +35° in acetone solution.

2,598,653

21-SUBSTITUTED THIOACETALS OF 20-OXO-PREGNANES AND 20-OXO-PREGNENES

Albert Wettstein and Charles Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application July 10, 1950, Serial No. 173,001. In Switzerland July 22, 1949
6 Claims. (Cl. 260—397.5)

1. A lower dialkyl-thioacetal selected from the group consisting of the lower dialkyl-thioacetals of the 20-oxo-pregnanes and 20-oxo-pregnenes, which are substituted in the 21-position by a member selected from the group consisting of a free hydroxyl group and a hydroxyl group esterified with a lower alkanoic acid.

2,598,654

21-SUBSTITUTED THIOENOL ETHERS OF 20-OXO-PREGNANES AND 20-OXO-PREGNENES

Albert Wettstein and Charles Meystre, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application July 10, 1950, Serial No. 173,002. In Switzerland July 25, 1949
6 Claims. (Cl. 260—397.5)

1. A thioenol lower alkyl ether selected from the group consisting of the thioenol lower alkyl ethers of the 20-oxo-pregnanes and 20-oxo-pregnenes, which are substituted in the 21-position by a member selected from the group consisting of a free hydroxyl group and a hydroxyl group esterified with a lower alkanoic acid.

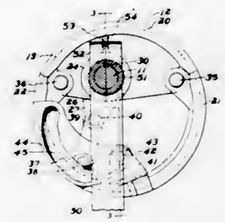
2,598,655

APPARATUS FOR VULCANIZING ENDLESS BELTS

Robert R. Ambler, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application May 28, 1948, Serial No. 29,998
4 Claims. (Cl. 18—45)

1. Apparatus for vulcanizing endless belts, said apparatus comprising a drum having a plurality of segmental sections mounted for collapsing movement of a section relative to another with said sections collectively providing a plurality of parallel circumferential belt-molding grooves, one of said sections having a hub with a bore extending axially of said drum, a pair of hinged sections pivotally supported one at each end of the first said section for collapsing movement, means on one of said hinged sections engaging cam means on the other of said hinged sections



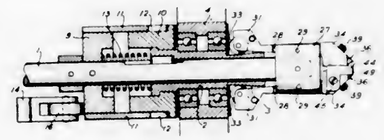
for effecting simultaneous movement of said sections, and means rotatably mounted in said hub and connected to one of said hinged sections for moving said hinged sections by relative movement of said means and said hub to seat the belts in said grooves in a taut condition and to free the belts from said grooves.

2,598,656

WIRE-POINTING MECHANISM

Theron E. Bastian, Irondequoit, and Edward A. Strollis, Rochester, N. Y., assignors to Bastian Bros. Co., Rochester, N. Y., a corporation of New York

Application April 1, 1950, Serial No. 153,448
8 Claims. (Cl. 82—11)



1. Wire-pointing mechanism comprising a fixed bearing, a rotatable shaft movable endwise in said bearing and a tool-head mounted at one end of said shaft, oppositely arranged jaws pivotally mounted and movable transversely on said tool-head, a cam sleeve surrounding said shaft and held against longitudinal movement, said jaws having tail pieces engaging and controlled by said cam sleeve, cutters secured to said jaws having cutting edges which intersect in converging relationship when in cutting position thereby forming a point on a wire, and wire-positioning surfaces on the jaws located between said cutters adjacent to said cutting edges in converging relationship and on opposite sides of the cutters and wire when the cutters are in cutting position.

2,598,657

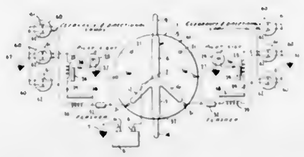
SWITCH FOR DIRECTIONAL AND CLEARANCE LAMPS

Jesse R. Hollins, Brooklyn, N. Y.

Original application September 17, 1949, Serial No. 116,321. Divided and this application July 12, 1950, Serial No. 173,439
2 Claims. (Cl. 177—337)

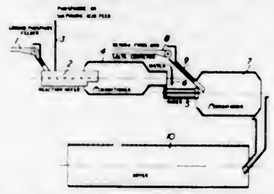
1. A vehicle signalling system comprising, in combination, a source of power, two sets of clear-

ance lamps, one set arranged on each of the left and right sides of the vehicle and each lamp having a first filament and a second filament, a switch having a first pair of contacts each connected to the first filaments of a different set of clearance lamps, a second pair of contacts, and a movable contact member connected to said source, a pair of flasher units each connected to a different contact of said second pair, and a pair of relays each having a coil connected between a flasher unit and the second filaments of a different set of clearance lamps, each relay having a pair of contacts and



being operable, when the relay coil is energized, to connect the first filaments of its associated lamps to its associated flasher unit, said movable member having a first position connecting both of said first pair of contacts to said source, and a second position connecting one contact of said first pair and the opposite contact of said second pair to said source, whereby both sets of lamps may be steadily illuminated or one set may have both filaments intermittently illuminated while the other set is steadily illuminated, to signal a turning movement of the vehicle.

2,598,658
GRANULATION OF PHOSPHATIC FERTILIZERS
John T. Procter, York, and Alexander Ogilvie, St. Albans, England
Application January 14, 1949, Serial No. 70,898
In Great Britain January 15, 1948
4 Claims. (Cl. 71—37)

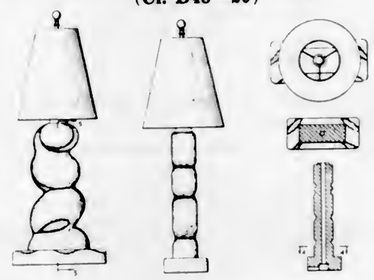


1. A process for the production of superphosphatic fertilizer in granular form comprising mixing ground phosphate rock and acid in reacting proportions and of such a concentration as to produce a first flowable slurry, subjecting said first slurry to a relatively slow rolling and tumbling action in a first rotary chamber until the same is transformed into a relatively crude particulate solid form, in a separate operation mixing the resulting solid form with non-acidic aqueous liquid in excess of that required to form granules of the desired size so as to produce a second relatively thin flowable slurry, delivering said second slurry to a second rotary chamber, supplying moisture absorbing material in finely divided form to said second rotary chamber wherein it is mixed with said second slurry and subjecting the resulting mixture to a relatively rapid rolling, tumbling and drying action to transform it into granular form.

DESIGNS

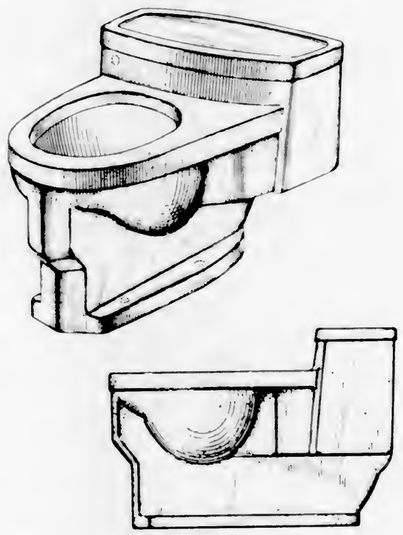
MAY 27, 1952

166,839
LAMP OR SIMILAR ARTICLE
William E. Adams, Washington, D. C.
Application June 11, 1951, Serial No. 15,498
Term of patent 3½ years
(Cl. D48—20)



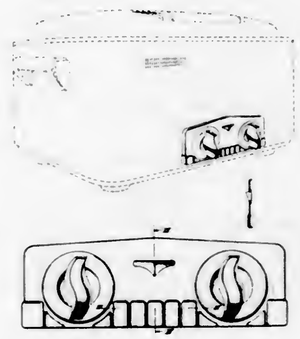
The ornamental design for a lamp or similar article, substantially as shown.

166,840
COMBINED WATER CLOSET AND FLUSH TANK
Fred C. Alexander, New Castle, Pa., assignor to Universal-Kundle Corporation, New Castle, Pa., a corporation of Delaware
Application August 8, 1951, Serial No. 16,207
Term of patent 14 years
(Cl. D4—5)



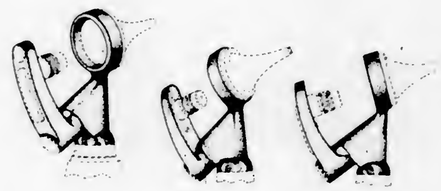
The ornamental design for a combined water closet and flush tank, as shown and described.

166,841
ELECTRIC ROASTER
Guy H. Allgeyer, Toledo, Ohio, assignor, by mesne assignments, to Tropic-Aire, Inc., Chicago, Ill., a corporation
Application February 8, 1950, Serial No. 7,814
Term of patent 14 years
(Cl. D81—10)



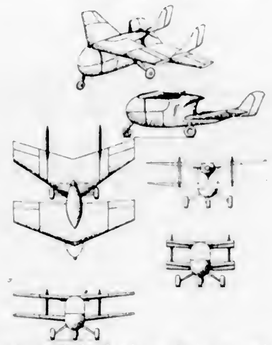
The ornamental design for an electric roaster, as shown and described.

166,842
HEAD OF A DIAGNOSTIC INSTRUMENT
John T. Armbruster, Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 7, 1951, Serial No. 16,578
Term of patent 14 years
(Cl. D57—1)



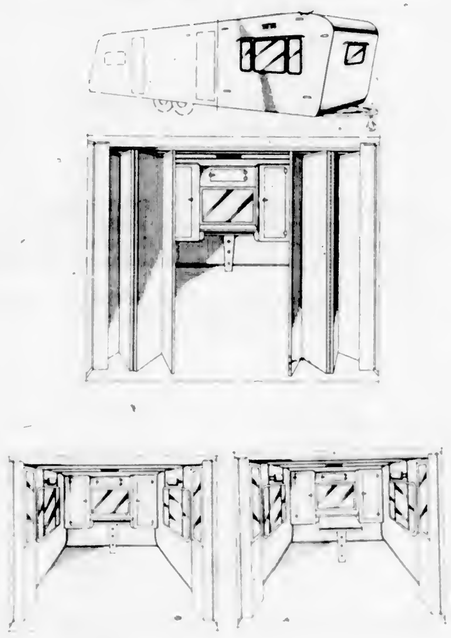
The ornamental design for the head of a diagnostic instrument, substantially as shown and described.

166,843
AIRPLANE
Kenneth Robert Bailey, Dearborn, Mich.
Application November 8, 1950, Serial No. 12,911
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown and described.

166,844
TRAILER
Charles H. Becker, Ironwood, Mich., assignor to Ironwood Trailer Coaches, Inc., Ironwood, Mich., a corporation of Michigan
Application June 28, 1950, Serial No. 10,822
Term of patent 3½ years
(Cl. D14—3)



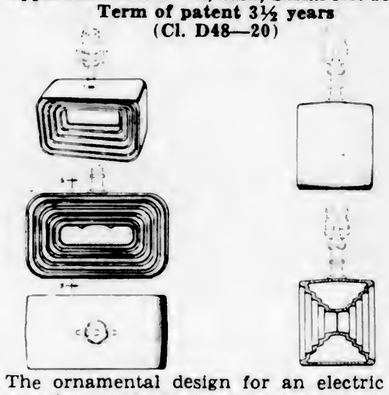
The ornamental design for a trailer, as shown and described.

166,845
STUFFED TOY RABBIT
Tesa Bonafide, Port Chester, N. Y., assignor to Bantam-U. S. Toys, Inc., New York, N. Y., a corporation of New York
Application December 6, 1950, Serial No. 13,294
Term of patent 7 years
(Cl. D34—2)



The ornamental design for a stuffed toy rabbit, as shown.

166,846
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill.
Application March 13, 1952, Serial No. 18,876
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for an electric lamp base, substantially as shown and described.

166,847
ASH TRAY OR SIMILAR ARTICLE
Helen Briggs, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application December 21, 1950, Serial No. 13,529
Term of patent 14 years
(Cl. D85—2)



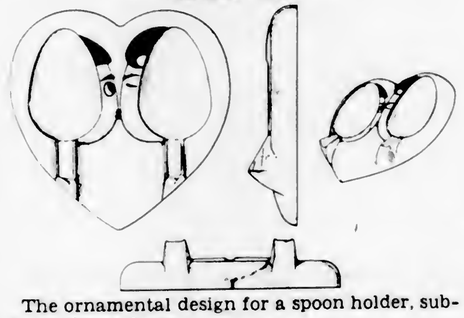
The ornamental design for an ash tray or similar article, substantially as shown and described.

166,848
CIGARETTE HOLDING AND DISPENSING DEVICE
Blake H. Brown, Roanoke, Va.
Application March 24, 1952, Serial No. 19,032
Term of patent 14 years
(Cl. D85—2)



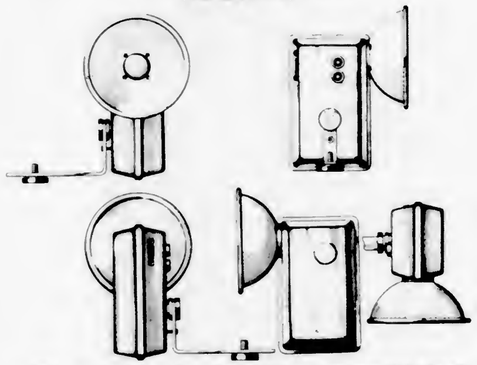
The ornamental design for a cigarette holding and dispensing device, as shown.

166,849
SPOON HOLDER
George W. Candee, Buena Park, Calif.
Application July 9, 1951, Serial No. 15,800
Term of patent 14 years
(Cl. D44—29)



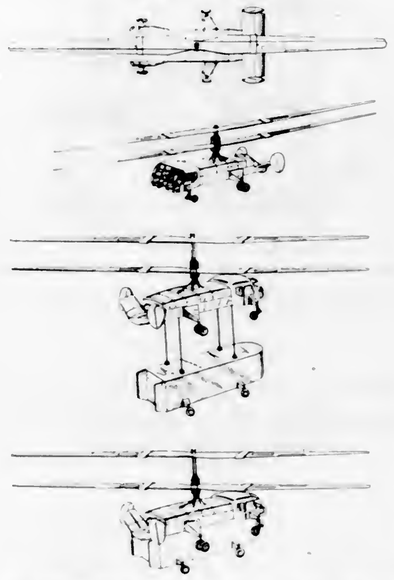
The ornamental design for a spoon holder, substantially as shown.

166,850
PHOTOGRAPHIC FLASH UNIT
Melville J. Carter, Chicago, Ill.
Application January 15, 1952, Serial No. 18,060
Term of patent 14 years
(Cl. D61—1)



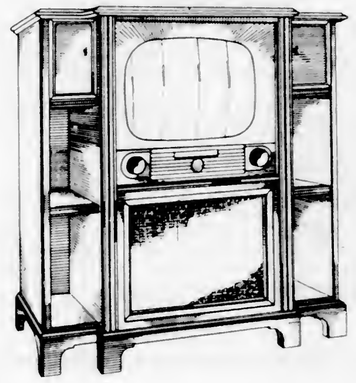
The ornamental design for a photographic flash unit, as shown.

166,851
CARGO-CARRYING ROTARY WING AIRCRAFT AND THE LIKE
Geoffrey G. Clewlow, Huntington, N. Y., assignor to Gyrodyne Company of America, Inc., Flowerfield, N. Y., a corporation of New York
Application November 14, 1951, Serial No. 17,411
Term of patent 14 years
(Cl. D71—1)

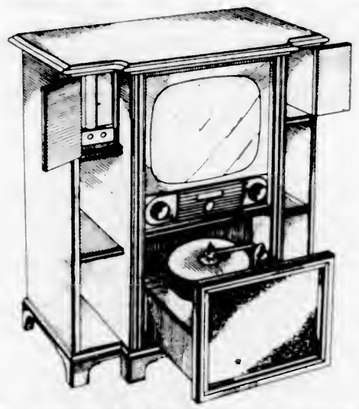


The ornamental design for a cargo-carrying rotary wing aircraft and the like, as shown.

166,852
COMBINATION PHONOGRAPH, RADIO, AND TELEVISION RECEIVER CABINET
Jack De Young, Grand Haven, Mich., and Thorvald Petersen, Skokie, and Herbert H. Steglich, Wilmette, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois
Application December 4, 1951, Serial No. 17,606
Term of patent 7 years
(Cl. D56—4)



166,852—Continued



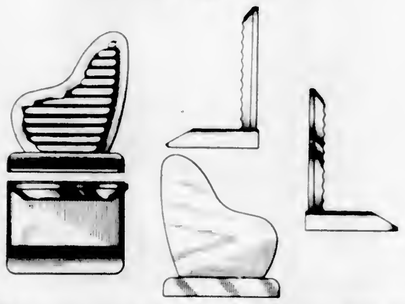
The ornamental design for a combination phonograph, radio, and television receiver cabinet, substantially as shown and described.

166,853
COMBINED NOSE AND EYE PROTECTOR
Estel D. Felch, Madison, Wis.
Application February 28, 1952, Serial No. 18,699
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a combined nose and eye protector, as shown and described.

166,854
TROPHY BASE
Donald R. Fosler and Ray Hansen, Omaha, Nebr., assignors to F. H. Noble & Company, Chicago, Ill., a corporation of Illinois
Application January 15, 1952, Serial No. 18,077
Term of patent 3½ years
(Cl. D29—28)



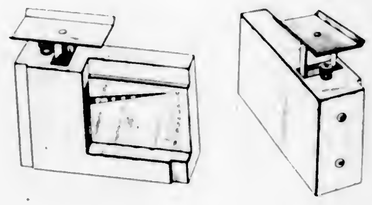
The ornamental design for a trophy base, substantially as shown.

166,855
FISH LURE
Chris Ralph Handkamer, Winnipeg, Manitoba, Canada
Application December 14, 1951, Serial No. 17,728
Term of patent 14 years
(Cl. D31—4)



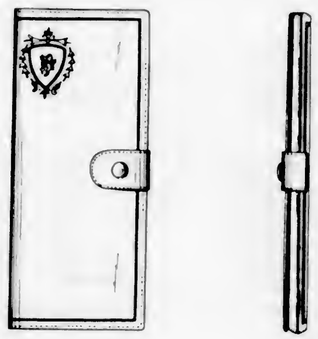
The ornamental design for a fish lure, substantially as shown and described.

166,856
POSTAL SCALE
Stan B. Hanssen, Kenilworth, and Lucille E. Hansen, Barrington, Ill., assignors to Hanson Scale Company, Chicago, Ill., a corporation of Illinois
Application March 13, 1952, Serial No. 18,872
Term of patent 14 years
(Cl. D52—10)

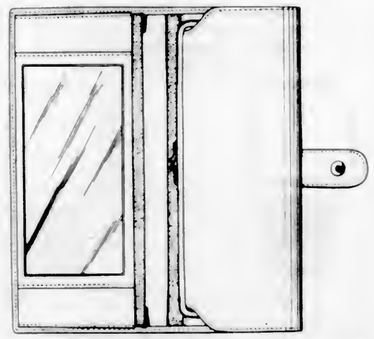


The ornamental design for a postal scale, substantially as shown.

166,857
COMBINED WALLET AND PURSE
Frank X. Hiltenbrand, Ridgefield, N. J.
Application January 24, 1952, Serial No. 18,201
Term of patent 3½ years
(Cl. D87—3)



166,857—Continued



The ornamental design for a combined wallet and purse, substantially as shown, and described.

166,858
TUMBLER OR SIMILAR ARTICLE
Zosia Jezowski, Orange, N. J., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application September 21, 1949, Serial No. 5,119
Term of patent 7 years
(Cl. D36—8)



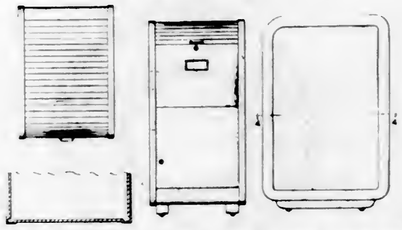
The ornamental design for a tumbler or similar article, substantially as shown and described.

166,859
OVERSHOE
Albert C. Kolb, La Crosse, Wis., assignor to La Crosse Rubber Mills Company, La Crosse, Wis.
Application March 6, 1952, Serial No. 18,797
Term of patent 14 years
(Cl. D7—4)



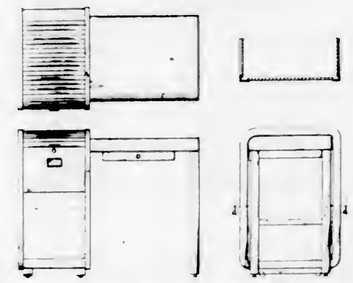
The ornamental design for an overshoe, as shown and described.

166,860
FILE CABINET OR SIMILAR ARTICLE
William I. Lampel, Brooklyn, N. Y., assignor to Steelmaster, Inc., New York, N. Y., a corporation of New York
Application December 5, 1951, Serial No. 17,617
Term of patent 14 years
(Cl. D33—19)



The ornamental design for a file cabinet or similar article, as shown and described.

166,861
COMBINATION FILE CABINET AND DESK OR SIMILAR ARTICLE
William I. Lampel, Brooklyn, N. Y., assignor to Steelmaster, Inc., New York, N. Y., a corporation of New York
Application December 5, 1951, Serial No. 17,618
Term of patent 14 years
(Cl. D33—7)



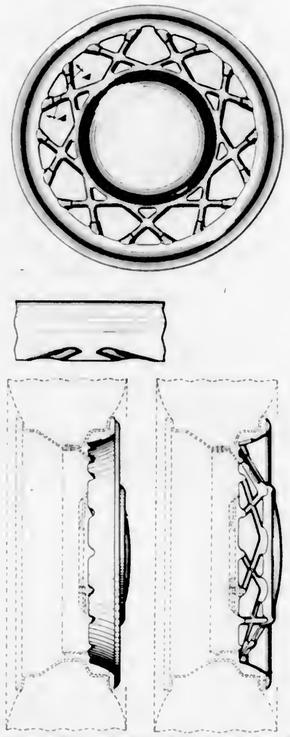
The ornamental design for a combination file cabinet and desk or similar article, as shown and described.

166,862
COMBINED DOOR PULL AND LATCH FOR SLIDING DOORS
Robert D. Mason, Los Angeles, Calif., assignor to Arcadia Metal Products, Inc., Arcadia, Calif., a corporation of California
Application February 25, 1952, Serial No. 18,653
Term of patent 14 years
(Cl. D10—8)



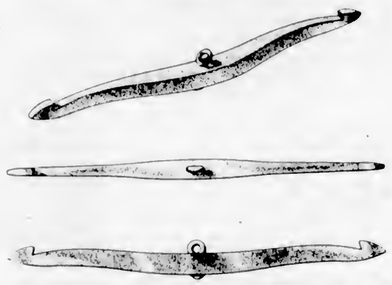
The ornamental design for a combined door pull and latch for sliding doors, substantially as shown.

166,863
COVER FOR A VEHICLE WHEEL
Charles A. McLeod, Birmingham, Mich., assignor to A. S. Campbell Company, Boston, Mass., a corporation of Massachusetts
Application September 13, 1951, Serial No. 16,623
Term of patent 14 years
(Cl. D14—30)



The ornamental design for a cover for a vehicle wheel, as shown and described.

166,864
GAMBREL
Philip C. Mecum, Haywood, Calif.
Application June 18, 1951, Serial No. 15,589
Term of patent 3½ years
(Cl. D11—1)



The ornamental design for a gambrel, substantially as shown.

166,865
CORN BUTTERING IMPLEMENT
James Mesi, Chicago, Ill.
Application January 29, 1952, Serial No. 18,283
Term of patent 14 years
(Cl. D44—5)



The ornamental design for a corn buttering implement, substantially as shown.

166,866
COASTER PAD
Maurice E. Nye, Barberton, Ohio; Willard L. Nye executor of said Maurice E. Nye, deceased
Application June 22, 1951, Serial No. 15,639
Term of patent 14 years
(Cl. D44—24)



The ornamental design for a coaster pad, substantially as shown and described.

166,867
LADY'S SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France, assignor to Anper, Inc., Long Island City, N. Y.
Application March 14, 1952, Serial No. 18,885
Term of patent 14 years
(Cl. D7—7)



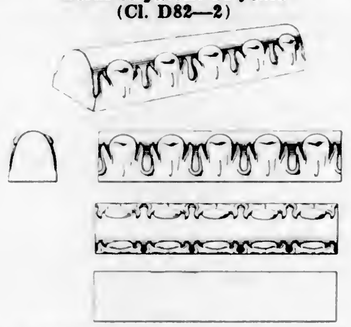
The ornamental design for a lady's shoe or similar article, substantially as shown and described.

166,868
LADY'S SHOE OR SIMILAR ARTICLE
André Perugia, Paris, France, assignor to Anper, Inc., Long Island City, N. Y.
Application March 14, 1952, Serial No. 18,886
Term of patent 14 years
(Cl. D7—7)



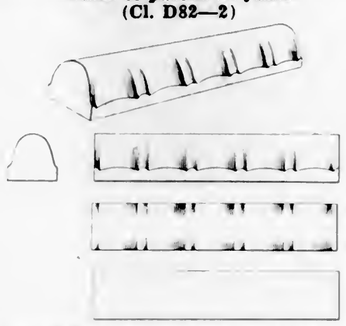
The ornamental design for a lady's shoe or similar article, substantially as shown and described.

166,869
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application January 19, 1952, Serial No. 18,117
Term of patent 14 years
(Cl. D82—2)



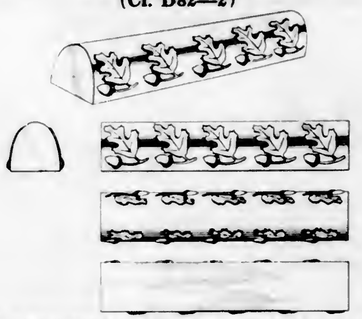
The ornamental design for a molded food product, as shown.

166,870
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application January 19, 1952, Serial No. 18,118
Term of patent 14 years
(Cl. D82—2)



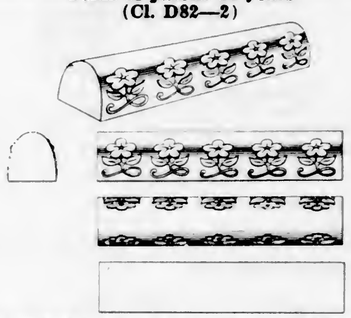
The ornamental design for a molded food product, as shown.

166,871
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application January 19, 1952, Serial No. 18,120
Term of patent 14 years
(Cl. D82—2)



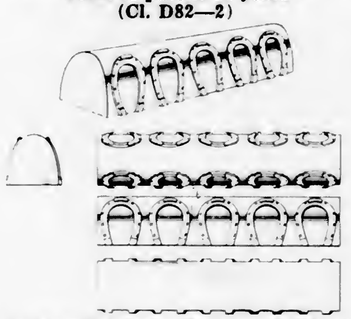
The ornamental design for a molded food product, as shown.

166,872
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application January 19, 1952, Serial No. 18,121
Term of patent 14 years
(Cl. D82—2)



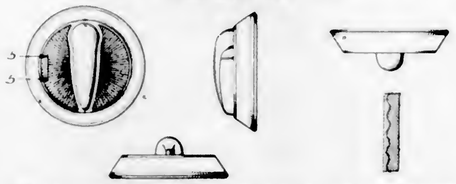
The ornamental design for a molded food product, as shown.

166,873
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application February 1, 1952, Serial No. 18,340
Term of patent 14 years
(Cl. D82—2)



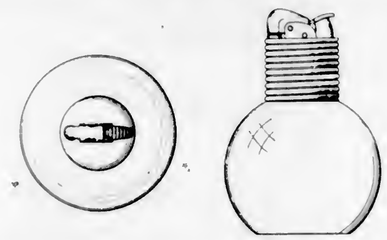
The ornamental design for a molded food product, as shown.

166,874
DIAL
Howard L. Reed, Shelby County, Ind., assignor to Chambers Corporation, a corporation of Indiana
Application July 25, 1951, Serial No. 16,014
Term of patent 3½ years
(Cl. D81—25)



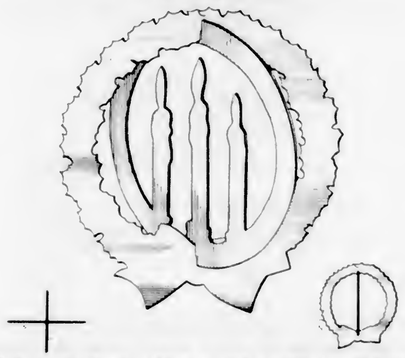
The ornamental design for a dial, as shown and described.

166,875
TABLE LIGHTER
William J. Reilly, Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application March 30, 1951, Serial No. 14,668
Term of patent 14 years
(Cl. D48—27)



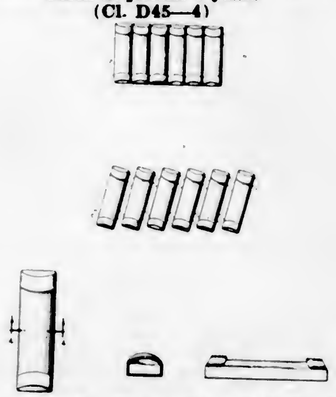
The ornamental design for a table lighter, substantially as shown.

166,876
THREE-DIMENSIONAL DECORATIVE GREETING CARD
Seymour Robins, New York, N. Y.
Application July 22, 1950, Serial No. 11,323
Term of patent 7 years
(Cl. D29—1)



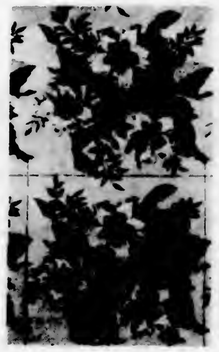
The ornamental design for a three-dimensional decorative greeting card, substantially as shown.

166,877
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application November 3, 1951, Serial No. 17,265
Term of patent 7 years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

166,878
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application January 9, 1952, Serial No. 17,972
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

166,879
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application January 9, 1952, Serial No. 17,973
Term of patent 3½ years
(Cl. D92—1)



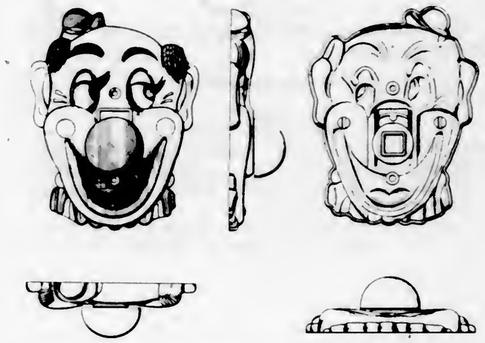
The ornamental design for a textile fabric, substantially as shown and described.

166,880
COMBINED KNIFE AND SAW
Peter P. Ruppe, Grosse Pointe Woods, Mich.
Application April 24, 1950, Serial No. 9,451
Term of patent 7 years
(Cl. D22—3)



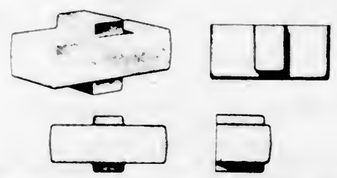
The ornamental design for a combined knife and saw, as shown and described.

166,881
WALL SWITCH ACTUATOR
George F. Russell, Sherman Oaks, Calif., assignor to Robert Schwarz, Jr., and William H. Gottschalk, a copartnership, doing business as Falcon Plastic Products Mfg. Co., Culver City, Calif.
Application January 12, 1952, Serial No. 18,024
Term of patent 14 years
(Cl. D26—13)



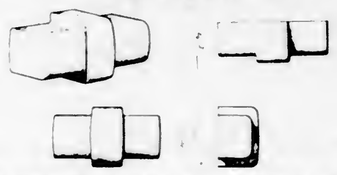
The ornamental design for a wall switch actuator, substantially as shown.

166,882
CASING FOR A DOOR CLOSER
Ernest L. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, a corporation
Application October 1, 1951, Serial No. 16,793
Term of patent 14 years
(Cl. D10—7)



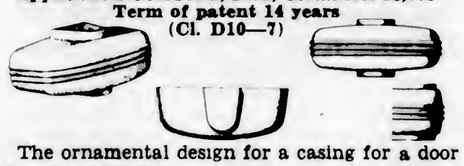
The ornamental design for a casing for a door closer, as shown.

166,883
CASING FOR A DOOR CLOSER
Ernest L. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, a corporation
Application October 1, 1951, Serial No. 16,794
Term of patent 14 years
(Cl. D10—7)



The ornamental design for a casing for a door closer, as shown.

166,884
CASING FOR A DOOR CLOSER
Ernest L. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, a corporation
Application October 1, 1951, Serial No. 16,795
Term of patent 14 years
(Cl. D10—7)



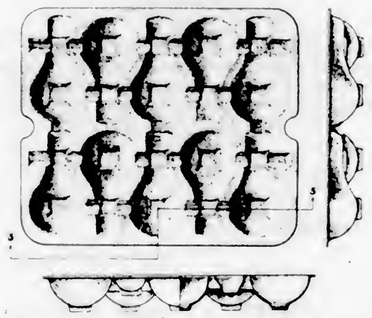
The ornamental design for a casing for a door closer, as shown.

166,885
LADY'S STOCKING
Richard E. Schletter, Cheltenham Township, Montgomery County, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application April 6, 1951, Serial No. 14,727
Term of patent 14 years
(Cl. D47—7)



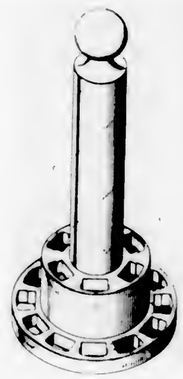
The ornamental design for a lady's stocking, as shown.

166,886
PACKING ARTICLE FOR FRAGILE MATERIALS
Ernest L. Shepard, Fairfield, Maine, assignor to Keyes Fibre Company, Portland, Maine, a corporation of Maine
Application July 9, 1951, Serial No. 15,790
Term of patent 14 years
(Cl. D58—13)



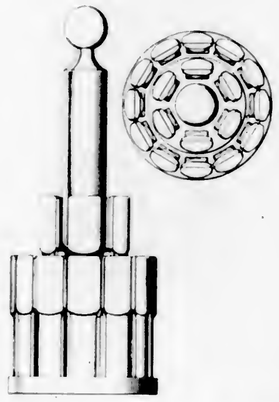
The ornamental design for a packing article for fragile materials, as shown.

166,887
COMBINATION VENDING AND DISPLAY STAND FOR HAIR CUTTERS
Abraham N. Spanel, Princeton, N. J., assignor to Cutler Corporation, Wilmington, Del., a corporation of Delaware
Application February 11, 1952, Serial No. 18,469
Term of patent 14 years
(Cl. D52—2)



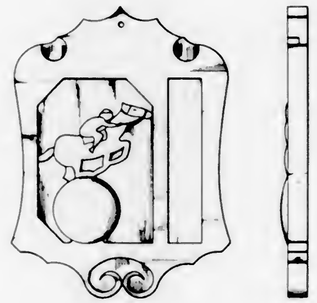
The ornamental design for a combination vending and display stand for hair cutters, substantially as shown and described.

166,888
COMBINATION VENDING AND DISPLAY DEVICE FOR HAIR CUTTERS
Abraham N. Spanel, Princeton, N. J., assignor to Cutler Corporation, Wilmington, Del., a corporation of Delaware
Application February 11, 1952, Serial No. 18,470
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a combination vending and display device for hair cutters, substantially as shown.

166,889
WALL PLAQUE
Dmytro Stec, Dearborn, Mich.
Application October 31, 1951, Serial No. 17,177
Term of patent 7 years
(Cl. D29—23)



The ornamental design for a wall plaque, as shown.

166,890.
WOMAN'S SHOE
Otto F. Stock, Columbus, Ohio, assignor to The Julian & Kokenge Company, Columbus, Ohio, a corporation of Ohio
Application March 14, 1952, Serial No. 18,880
Term of patent 14 years
(Cl. D7—7)



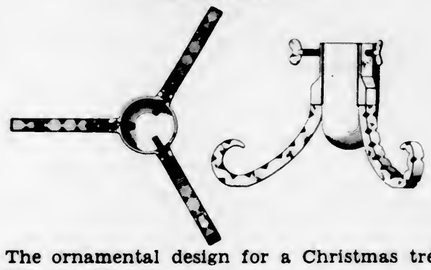
The ornamental design for a woman's shoe, substantially as shown.

166,891
NECKTIE
Collingwood Teddy Tinling, London, England, assignor to Tinling, Inc., New York, N. Y., a corporation of New York
Application November 6, 1951, Serial No. 17,297
Term of patent 3½ years
(Cl. D3—16)



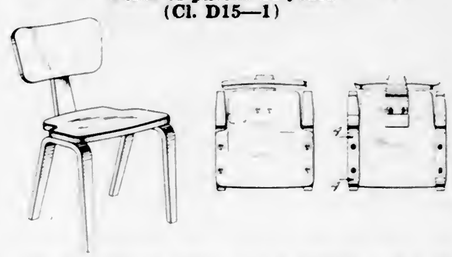
The ornamental design for a necktie, substantially as shown and described.

166,892
CHRISTMAS TREE HOLDER
Peter F. Vigna, Antioch, Calif.
Application March 27, 1951, Serial No. 14,638
Term of patent 14 years
(Cl. D35—3)



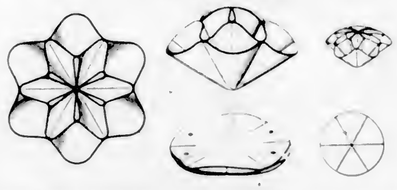
The ornamental design for a Christmas tree holder, as shown.

166,893
NESTING CHAIR
Bruno R. Weill, Statesville, N. C., assignor to Thonet Industries, Inc., New York, N. Y.
Application May 25, 1951, Serial No. 15,306
Term of patent 14 years
(Cl. D15—1)



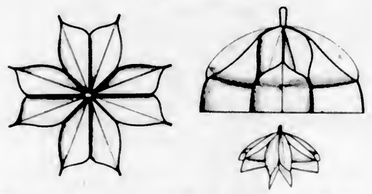
The ornamental design for a nesting chair, as shown.

166,894
CONTAINER FOR COMESTIBLES
Ruby D. Whitney, Chicago, Ill.
Application January 15, 1952, Serial No. 18,062
Term of patent 14 years
(Cl. D58—2)



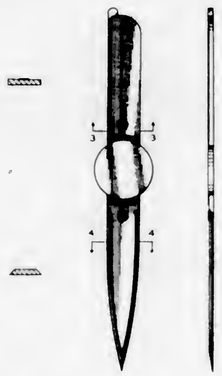
The ornamental design for a container for comestibles, substantially as shown.

166,895
CONTAINER FOR COMESTIBLES
Ruby D. Whitney, Chicago, Ill.
Application January 15, 1952, Serial No. 18,063
Term of patent 14 years
(Cl. D58—2)



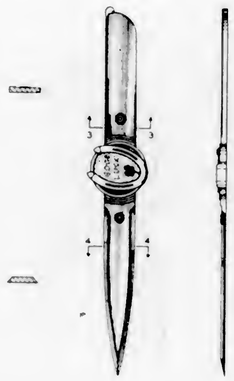
The ornamental design for a container for comestibles, substantially as shown.

166,896
LETTER OPENER
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application September 24, 1951, Serial No. 16,724
Term of patent 7 years
(Cl. D74—1)



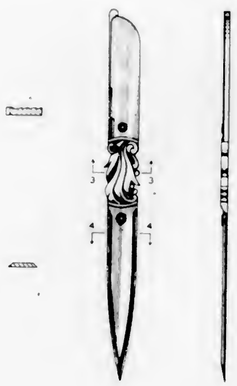
The ornamental design for a letter opener, as shown.

166,897
LETTER OPENER
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application September 24, 1951, Serial No. 16,725
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a letter opener, as shown.

166,898
LETTER OPENER
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application September 24, 1951, Serial No. 16,726
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a letter opener, as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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Total	1,231				

Patents expiring: Patent Numbers 2,003,279 to 2,004,087, inclusive, and Plant Patent Number 127, issued June 4, 1935, expire June 4, 1952

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

ABC Popcorn Co., Inc., Chicago, Ill. Raw popping corn, popped corn, etc. Serial No. 572,286 June 3. Class 46.

Abbott Laboratories, North Chicago, Ill. Oral preparation in tablet form. Serial No. 599,735, June 3. Class 18.

Abbott Laboratories, North Chicago, Ill. Enzyme preparation. Serial No. 607,407, June 3. Class 18.

Alamac Knitting Mills, Inc., New York, N. Y. Baby panties, baby bloomers, creepers. Serial No. 599,738, June 3. Class 39.

Alcon Laboratories, Inc., Fort Worth, Tex. Isotonic ophthalmic preparation. Serial No. 607,469, June 3. Class 18.

All Drugs International Company, New York, N. Y. Medicinal preparations. Serial No. 601,971, June 3. Class 18.

Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Antacid preparations. Serial No. 569,418, June 3. Class 18.

American Air Filter Company, Inc., Louisville, Ky. Rolls of fiber glass, synthetic fibers and cotton wadding. Serial No. 610,655, June 3. Class 1.

American Air Filter Company, Inc., Louisville, Ky. Rolls of paper. Serial No. 610,658, June 3. Class 37.

American Bosch Corporation, Springfield, Mass. Fuel injection apparatus, etc. Serial No. 619,056, June 3. Class 23.

American Bosch Corporation, Springfield, Mass. Fuel injection apparatus, etc. Serial No. 619,058, June 3. Class 23.

American Bosch Corporation, Springfield, Mass. Ignition and starting apparatus for internal combustion engines, etc. Serial No. 619,059, June 3. Class 21.

American Bosch Corporation, Springfield, Mass. Ignition and starting apparatus for internal combustion engines, etc. Serial No. 619,061, June 3. Class 21.

American Cyanamid Company, New York, N. Y. Antibacterial and anti-viral preparations. Serial No. 594,429, June 3. Class 18.

American Cyanamid Company, New York, N. Y. Antihistaminic preparation. Serial No. 609,272, June 3. Class 18.

American Cyanamid Company, New York, N. Y. Thread and yarn. Serial No. 621,120, June 3. Class 43.

American Dietalds Company, Inc., Yonkers, N. Y. Low-calorie dietary aid that helps retard hunger. Serial No. 619,374, June 3. Class 18.

American Hospital Association doing business as Blue Cross Commission, Chicago, Ill. Publication. Serial No. 619,914, June 3. Class 38.

American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Twisted jute packing for pipe joints. Serial No. 617,479, June 3. Class 35.

American Plasticraft Company, New York, N. Y. Watch crystals. Serial No. 585,305, June 3. Class 33.

American Pulley Company, The, Philadelphia, Pa. Pulleys and assemblies. Serial No. 607,279, June 3. Class 23.

Ames Company, Inc., Elkhart, Ind. Sedative preparation. Serial No. 608,140, June 3. Class 18.

Arcady Farms Milling Company, Chicago, Ill. Horse, cattle, hog, poultry and game bird, rabbit and dog feed, etc. Serial No. 575,029, June 3. Class 46.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick, rouge, face powder, body powder, etc. Serial No. 609,470, June 3. Class 51.

Arkansas Company Inc., Newark, N. J. Chemicals. Serial No. 609,996, June 3. Class 6.

Arlington Laboratories, Inc., Harrison and Arlington, N. J. Medicinal composition of antacids. Serial No. 608,694, June 3. Class 18.

Armour and Company, Chicago, Ill. Adrenocorticotrophic composition. Serial No. 606,253, June 3. Class 18.

Associated Brands, Inc., Brooklyn, N. Y. Face lotion. Serial No. 574,947, June 3. Class 51.

Athey Products Corporation, Chicago, Ill. Continuous belt loader. Serial No. 609,328, June 3. Class 23.

Aurora Equipment Company doing business as Equipto Division of Aurora Equipment Co., Aurora, Ill. Steel shelving units, vertical parts bins, and service counters. Serial No. 591,905, June 3. Class 32.

Austenal Laboratories, Incorporated, New York, N. Y. Dentures. Serial No. 573,752, June 3. Class 44.

Automatic Canteen Company of America, Chicago, Ill. Paper cups. Serial No. 592,692, June 3. Class 2.

Avildsen Tools & Machines, Inc., doing business under the name of Century Drill & Tool Works, Chicago, Ill. Drill bits. Serial No. 618,526, June 3. Class 23.

Barker Bros. Corporation, Los Angeles, Calif. Living room, dining room and bedroom furniture. Serial No. 543,412, June 3. Class 32.

Barr, W. M., & Company, Memphis, Tenn. Liquid copper naphthenate base preservative. Serial No. 613,937, June 3. Class 6.

Bausch & Lomb Optical Company, Rochester, N. Y. Telescopes. Serial No. 621,499, June 3. Class 26.

Becker, Henry, & Son, Inc., Roseland, N. J. Fluid milk, cream, and fresh eggs. Serial No. 599,076, June 3. Class 46.

Beir-Nes Laboratories: *See*—
Beirnes, Percival W.

Beirnes, Percival W., doing business as Beir-Nes Laboratories, Los Angeles, Calif. Preparation in powder form for increasing bulk in the colon. Serial No. 617,184, June 3. Class 18.

Bel Paese Sales Co. Inc., New York, N. Y. Cheese. Serial No. 613,043, June 3. Class 46.

Bird & Son, Inc., East Walpole, Mass. Hard-surface composition tile floor covering. Serial No. 602,742, June 3. Class 12.

Bivar & Ca., Lda., Portimao, Portugal. Canned fish. Serial No. 621,805, June 3. Class 46.

Blue Cross Commission: *See*—
American Hospital Association.

Borbro Laboratories: *See*—
Borun Bros.

Borun Bros., also doing business as Borbro Laboratories, Los Angeles, Calif. Almond oil, arnica, benzoin, boric acid, etc. Serial No. 592,357, June 3. Class 18.

Brewers' Best Associates, Inc.: *See*—
McGurk, Peter J.

Brewers' Best Inc., assignee: *See*—
McGurk, Peter J.

Bright, T. G., & Co. Limited, Township of Stamford, and Niagara Falls, Ontario, Canada. Wines. Serial Nos. 576,622–3, June 3. Class 47.

Bruning Brothers: *See*—
Bruning Brothers, Inc.

Bruning Brothers, Inc., Baltimore, Md., successor to Bruning Brothers. Ready-mixed paints, paint pigments, varnishes, etc. Serial No. 551,222, June 3. Class 16.

Buckley, W. K., Inc., Buffalo, N. Y. Cough syrup. Serial No. 619,331, June 3. Class 18.

Buckman Laboratories, Inc., Memphis, Tenn. Chemical compositions. Serial No. 619,599, June 3. Class 6.

Bunge Corporation, New York, N. Y. Yarns. Serial No. 621,387, June 3. Class 43.

Capital City Products Company, The, Columbus, Ohio. Vegetable fatty acids. Serial No. 625,334, June 3. Class 6.

Career, Inc., New Haven, Conn. Annual publication. Serial No. 608,146, June 3. Class 38.

Carey, Mary E., doing business as M & H Luminous Paint Products Co., Detroit, Mich. Luminous paint. Serial No. 549,708, June 3. Class 16.

Casimir Funk Laboratories, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 581,861, June 3. Class 18.

Casimir Funk Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 608,271, June 3. Class 18.

Century Drill & Tool Works: *See*—
Avildsen Tools & Machines, Inc.

Chemical Corporation, The, Springfield, Mass. Powdered hand soap. Serial No. 594,421, June 3. Class 52.

Chemical Service of Baltimore, Baltimore, Md. Liquid chemical concentrate. Serial No. 592,251, June 3. Class 52.

Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland. Chemicals. Serial Nos. 606,752–3, June 3. Class 6.

Ciba Limited, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Antiseptic. Serial No. 607,937, June 3. Class 18.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Ciba Limited.

Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Bactericidal disinfectant. Serial No. 582,275, June 3. Class 18.

Cinefot International Corp., New York, N. Y. Photographic range finders. Serial Nos. 621,658–9, June 3. Class 26.

Circus Fruit Corporation, assignee: *See*—
Herfort, Frank, Canning Co., Inc.

Colcombet Francois & Cie S. A. R. L., St. Etienne, France. Textile fabrics in the piece. Serial No. 526,218, June 3. Class 42.

Commercial Solvents Corporation, New York, N. Y. Vitamin B_{12} supplement. Serial No. 607,796, June 3. Class 18.

Converted Rice, Inc., Houston, Tex. Rice for food. Serial No. 619,568, June 3. Class 46.

Coral Records, Inc., New York, N. Y. Phonograph needles. Serial No. 613,804, June 3. Class 36.

Creve Corporation, Rockford, Ill. Golf tees. Serial No. 595,536, June 3. Class 22.

Crocker, H. S., Co., Inc., doing business as Crocker-Union, San Bruno, Calif. Picture post-cards. Serial No. 610,006, June 3. Class 38.
Crocker-Union: *See*—
Crocker, H. S., Co., Inc.
Croll-Reynolds Co. Inc., Teterboro, N. J., and New York, N. Y. Flowing fluid jet aspirators. Serial No. 590,548, June 3. Class 23.
Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Waxed paper food dividers. Serial No. 591,613, June 3. Class 37.
Crown Zellerbach Corporation, San Francisco, Calif. Paper napkins and paper towels. Serial No. 619,452, June 3. Class 37.
Cubbage & Co., Shreveport, La. Antiseptic preparation. Serial No. 604,771, June 3. Class 18.
Cuyahoga Spring Company, The, Cleveland, Ohio. Wire coil springs, metal wire fasteners and snap clips. Serial No. 580,051, June 3. Class 13.
Dapag (1943) Limited, London, England. Printing machines and parts thereof. Serial No. 621,955, June 3. Class 23.
Davis-Gishman Corp., New York, N. Y. Ladies' and misses' slips, petticoats, etc. Serial No. 621,869, June 3. Class 39.
Deere & Company, Moline, Ill. Toy farm machines. Serial No. 615,440, June 3. Class 22.
Dick, A. B., Company, Niles, Ill. Illuminated drawing boards. Serial No. 602,379, June 3. Class 26.
Dick, A. B., Company, Niles, Ill. Materials used in lithographic printing. Serial No. 610,428, June 3. Class 50.
Dominion Chemical Company: *See*—
Flowers, George H., Jr.
Dormeuil Freres, London, England, and Paris, France. Suits, trousers, outer shirts and under shirts, etc. Serial No. 599,558, June 3. Class 39.
Duluth Universal Milling Company, Duluth, Minn. Wheat flour. Serial No. 607,664, June 3. Class 46.
Dust Filter Company: *See*—
Lund, Arnold L.
Eastern Clay Products, Inc., Jackson, Ohio, assignor to International Minerals & Chemical Corporation, Chicago, Ill. Patching and ramming refractories. Serial No. 604,525, June 3. Class 12.
Eaton Chemical and Dyestuff Company, Detroit, Mich. Liquid product for redyeing and refinishing of suede, etc. Serial No. 581,713, June 3. Class 6.
Ebco Manufacturing Company, The, Columbus, Ohio. Drinking fountain accessories. Serial No. 622,528, June 3. Class 13.
Eppens, Smith Company, Inc., Long Island City, N. Y. Coffee. Serial No. 604,962, June 3. Class 46.
Equipto Division of Aurora Equipment Co.: *See*—
Aurora Equipment Company.
Ever-Dry Corporation, Los Angeles, Calif. Medicated foot cream. Serial No. 609,083, June 3. Class 18.
Everedy Company, The, Frederick, Md. Metal hollow ware ovens. Serial No. 617,438, June 3. Class 13.
Fairchild Publications, Inc., New York, N. Y. Newspaper column or feature. Serial No. 619,934, June 3. Class 38.
Fashion Manufacturing Company, The: *See*—
Hoff, Morris M.
Federated Department Stores, Inc., Cincinnati, Ohio. Garden hose and rubber vehicle tires. Serial No. 624,404, June 3. Class 35.
Firestone Tire & Rubber Company, The, Akron, Ohio. Threads. Serial No. 619,236, June 3. Class 43.
Flowers, George H., Jr., doing business as Dominion Chemical Company, Richmond, Va. Petroleum base composition. Serial No. 617,660, June 3. Class 6.
For-Dom Inc., New York, N. Y. Automotive publications. Serial No. 617,494, June 3. Class 38.
Fox Supply Company, Chicago, Ill. Tempera water colors. Serial No. 592,200, June 3. Class 16.
Frosst, Charles E., & Co., Montreal, Quebec, Canada. Pharmaceutical preparation. Serial No. 605,302, June 3. Class 18.
Frosst, Charles E., & Co., Montreal, Quebec, Canada. Pharmaceutical preparations. Serial No. 606,861, June 3. Class 18.
Gardner Furniture Manufacturing Company, Inc., Natchez, Miss. Furniture. Serial No. 611,266, June 3. Class 32.
Garrick and Custer, Inc., Los Angeles, Calif. Rotary gear, sliding recessed door unit, complete with frame. Serial No. 606,289, June 3. Class 12.
General Refractories Company, Philadelphia, Pa. Refractory brick. Serial No. 611,351, June 3. Class 12.
General Refractories Company, Philadelphia, Pa. Hydraulic-setting, chrome-base, castable cement. Serial No. 611,352, June 3. Class 12.
Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Metal working machines. Serial No. 620,466, June 3. Class 23.
Gilman Paint and Varnish Company, Chattanooga, Tenn. Enamel. Serial No. 620,414, June 3. Class 16.
Glen-More Clothing Company, Knoxville, Tenn. Men's and boys' suits, sport coats, topcoats, etc. Serial No. 610,057, June 3. Class 39.
Glint Company, The, Sigourney, Iowa. Powder for cleaning and polishing metal, plated, glazed, and other hard polished surfaces. Serial No. 594,455, June 3. Class 4.
Goerz, C. P. American Optical Company, New York, N. Y. Photographic lenses. Serial No. 613,567; June 3. Class 26.
Goldhammer, Charles W., doing business as Industrial Sheet Metal Works, North Bergen, N. J. Dust collectors, dust conveyors and separating units. Serial No. 582,835, June 3. Class 23.
Goldstein, Albert M., Inc., New York, N. Y. Sewing needles. Serial No. 615,899, June 3. Class 40.
Goodman, H., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Hair lotions. Serial No. 606,469, June 3. Class 51.
Green, A. P., Fire Brick Company, Mexico, Mo. Refractory concrete mixture. Serial No. 616,094, June 3. Class 12.
Green Giant Company, Le Sueur, Minn. Frozen peas. Serial No. 610,212, June 3. Class 46.
Gynecic Laboratories, New York, N. Y. Medicinal preparation. Serial No. 607,670, June 3. Class 18.
Hallerberg, Theodore W., doing business as Master Specialties Company, Chicago, Ill. Electrically operated visual warning signals and parts therefor. Serial No. 608,543, June 3. Class 21.
Hand Block Textiles, Inc., Los Angeles, Calif. Table cloths and napkins, towels, etc. Serial No. 602,121, June 3. Class 42.
Hanna, George Patrick, Melbourne, Victoria, Australia. Bats, shuttlecocks and nets. Serial No. 618,699, June 3. Class 22.
Health Champions, Inc., Detroit, Mich. Food supplement. Serial No. 614,660, June 3. Class 18.
Henderson Sugar Refinery Inc., New Orleans, La. Sugar. Serial No. 586,972, June 3. Class 46.
Herfort, Frank, Canning Co., Inc., Baraboo, Wis., assignor, by mesne assignments, to Circus Fruit Corporation, Sarasota, Fla. Canned citrus products. Serial No. 611,179, June 3. Class 46.
Heritage Furniture, Inc., High Point, N. C. Upholstered, wood, plastic, and metal furniture. Serial No. 590,364, June 3. Class 32.
Hoff, Morris M., doing business as The Fashion Manufacturing Company, Detroit, Mich. Dresses, skirts, blouses, etc. Serial No. 617,797, June 3. Class 39.
Hoffmann-La Roche Inc., Nutley, N. J. Anticoagulant. Serial No. 611,028, June 3. Class 18.
Holeproof Hosiery Company, Milwaukee, Wis. Women's hosiery. Serial No. 616,100, June 3. Class 39.
Hospitality Corporation, The, New Haven, Conn. Reducing tablets. Serial No. 608,991, June 3. Class 18.
How Publishing Co., Chicago, Ill. Magazines. Serial No. 620,964, June 3. Class 38.
Imperial Black Knight Corp., New York, N. Y. Typewriter, adding machine and other ribbon printing business machine ribbons, etc. Serial No. 599,176, June 3. Class 11.
Imperial Knife Company, Inc., Providence, R. I. Combination compass, chain and knife set. Serial No. 611,228, June 3. Class 23.
Industrial Sheet Metal Works: *See*—
Goldhammer, Charles W.
International Latex Corporation, Dover, Del. Baby oil, baby cream and baby powder. Serial No. 559,610, June 3. Class 51.
International Milling Company, Minneapolis, Minn. Flour. Serial No. 611,095, June 3. Class 46.
International Minerals & Chemical Corporation, assignee: *See*—
Eastern Clay Products, Inc.
International Paint Company, Inc., New York, N. Y. Ready-mixed paints. Serial No. 618,799, June 3. Class 16.
International Textbook Company, Scranton, Pa. Printed books, printed manuals and printed pamphlets. Serial No. 620,217, June 3. Class 38.
Jordan Marsh Company, Boston, Mass. Men's suits and outer shirts. Serial No. 577,487, June 3. Class 39.
Joshmal and Jermatt Game Company: *See*—
Lindgard, Leslie E.
Kalart Company Inc., The, Stamford, Conn. Photographic attachments and photographic accessories. Serial No. 515,882, June 3. Class 26.
Kawneer Company, The, Niles, Mich. Show cases, metal show cases and metal constructional parts of show cases. Serial No. 559,844, June 3. Class 32.
Kegan Laboratory, Inc., Englewood, N. J. Vitamin tonic. Serial No. 609,483, June 3. Class 18.
Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. Serial No. 620,314, June 3. Class 46.
Kent, G. B., & Sons, Limited, London, England. Paint brushes. Serial No. 596,379, June 3. Class 29.
Kidde Manufacturing Co., Inc., Bloomfield, N. J. Knitting machines. Serial No. 615,329–30, June 3. Class 23.
Kleinert, I. B., Rubber Company, New York, N. Y. Hair nets. Serial No. 612,401, June 3. Class 39.
Landen, Charles J., doing business as Landen Putty Works, assignor to Landen Putty Works, Inc., Malden, Mass. Caulking compound, glazing compound, bowl setting compound, etc. Serial No. 564,883, June 3. Class 12.
Landen Putty Works: *See*—
Landen, Charles J.
Landen Putty Works, Inc., assignee: *See*—
Landen, Charles J.

Lathrop-Paulson Company, The, Chicago, Ill. Weigh cans, dump cans, and receiving tanks. Serial No. 612,658, June 3. Class 2.
Leona Lingerie Inc., New York, N. Y. Ladies' stockings. Serial No. 605,749, June 3. Class 39.
Leons Oreg. Ltd., Salem, Oreg. Ladies' slack suits, dickies, scarfs, etc. Serial No. 560,766, June 3. Class 39.
Levy-Anderson Co., Inc., Providence, R. I. Jewelry. Serial No. 611,481, June 3. Class 28.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 596,929, June 3. Class 18.
Lloyd Brothers, Pharmacists, Inc., Cincinnati, Ohio. Preparation for use in cardioetherapy. Serial No. 607,336, June 3. Class 18.
Lindgard, Leslie E., doing business under the name and style of Joshmal and Jermatt Game Company, Seattle, Wash. Parlor question and answer game and game apparatus. Serial No. 591,688, June 3. Class 22.
Longines-Wittnauer Watch Co., Inc., New York, N. Y. Mechanically grooved phonograph records, and reproducer disks. Serial No. 585,241, June 3. Class 36.
Lowe Brothers Company, The, Dayton, Ohio. Paint (ready-mixed, paste and dry); paint enamel; primers, etc. Serial No. 591,041, June 3. Class 16.
Lumenite Electronic Company, Chicago, Ill. Photo-electric relays, capacity relays, etc. Serial No. 577,440, June 3. Class 21.
Lund, Arnold L., doing business as Dust Filter Company, Chicago, Ill. Dust collectors. Serial No. 595,218, June 3. Class 31.
M & H Luminous Paint Products Co.: *See*—
Carey, Mary E.
Macbeth Corporation, Newburgh, N. Y. Electric lighting fixtures. Serial No. 616,561, June 3. Class 21.
Maine Manufacturing Company, The, Nashua, N. H. Metal cabinets. Serial No. 620,047, June 3. Class 32.
Maltbie Chemical Company, The: *See*—
Maltbie Laboratories, Inc.
Maltbie Laboratories, Inc., Newark, N. J., by change of name from the Maltbie Chemical Company. Preparation for the control of diarrhea. Serial No. 566,353, June 3. Class 18.
Markt & Hammacher Company, New York, N. Y. Cast iron porcelain enameled cooking utensils. Serial No. 618,858, June 3. Class 13.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 606,538, June 3. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. Serial No. 606,540, June 3. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. Serial No. 606,543, June 3. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 606,546, June 3. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Veterinary preparation. Serial No. 606,548, June 3. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical panvitamin preparation. Serial No. 606,553. June 3. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial Nos. 606,556–7, June 3. Class 18.
Master Canasta Corporation, New York, N. Y. Hand-operated machine for dispensing chips in card playing. Serial No. 608,460, June 3. Class 22.
Master Specialties Company: *See*—
Hallerberg, Theodore W.
McBee Company, The, Athens, Ohio. Machines for punching-cards, etc. Serial No. 543,623, June 3. Class 23.
McDonnell Aircraft Corporation, Lambert Field, Mo. Airplanes. Serial No. 622,668, June 3. Class 19.
McGurk, Peter J., assignee of Brewers' Best Associates, Inc., Elizabeth, N. J., assignor to Brewers' Best Inc. Beer. Serial No. 534,411, June 3. Class 48.
McKesson Appliance Co.: *See*—
McKesson, Martha F.
McKesson, Martha F., doing business as McKesson Appliance Co., Toledo, Ohio. Respiration-testing and gas-administration apparatus and parts thereof. Serial No. 612,052, June 3. Class 44.
Meier, Joshua, Company, Inc., New York, N. Y. Display albums and loose leaf binders. Serial No. 602,271, June 3. Class 37.
Meritenna Manufacturing Company: *See*—
Merritt, Ronald A.
Merritt, Ronald A., doing business as Meritenna Manufacturing Company, Seattle, Wash. Mast clamps. Serial No. 622,789, June 3. Class 13.
Mesberg, B. G., Co.: *See*—
Mesberg, Bernard G.
Mesberg, Bernard G., doing business under the firm name and style of B. G. Mesberg Co., New York, N. Y. Bedroom, dining room, living room and kitchen furniture. Serial No. 617,510, June 3. Class 32.
Michael Pharmaceutical Distributing Co., Inc., Chicago, Ill. Dietary supplement. Serial No. 603,537, June 3. Class 18.
Middleby, Joseph, Jr., Inc., Boston, Mass. Fruit, marshmallow, butterscotch, sundae topping, etc. Serial No. 604,652, June 3. Class 46.
Miles Laboratories, Inc., Elkhart, Ind. Liquid sprayer. Serial No. 615,786, June 3. Class 23.
Mohawk Liqueur Corporation, Detroit, Mich. Liqueur. Serial No. 608,509, June 3. Class 49.
Montee Publishing Co., Baltimore, Md. Magazine. Serial No. 609,658, June 3. Class 38.
Mooney, William P., doing business as Mooney's Pharmacy and Mooney's Laboratory, Milwaukee, Wis. Capsules. Serial No. 596,112, June 3. Class 18.
Mooney's Laboratory: *See*—
Mooney, William P.
Mooney's Pharmacy: *See*—
Mooney, William P.
Morningstar, Ernest D., doing business as School Pen Co., Toledo, Ohio. Fountain pens and pencils and parts therefor. Serial No. 621,022, June 3. Class 37.
Moultrie Canning Company, Moultrie, Ga. Canned vegetables. Serial No. 595,612, June 3. Class 46.
Murray, Arthur, Enterprises, Inc., New York, N. Y. Lapel pins, and brooches. Serial No. 607,229, June 3. Class 28.
N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Pharmaceutical product. Serial No. 619,582, June 3. Class 18.
Nagle Pumps, Inc., Chicago Heights, Ill. Industrial pumps. Serial No. 621,605, June 3. Class 23.
Naman Packing Company, Fresno, Calif. Dried fruits and raisins. Serial No. 582,643, June 3. Class 46.
National Gypsum Company, Buffalo, N. Y. Whiting. Serial No. 620,225, June 3. Class 6.
National Steel Corporation, Wilmington, Del., and Pittsburgh, Pa. Ribbed sheet metal roofing and siding sheets. Serial No. 556,593, June 3. Class 12.
Nativelle Inc., New York, N. Y. Extract of strophanthin G. Serial No. 578,159, June 3. Class 18.
Nebraska Consolidated Mills Company, Omaha, Nebr. Recipes in pamphlet form. Serial No. 603,643, June 3. Class 38.
New England Coating Works, Inc., Stamford, Conn. Putty. Serial No. 617,205, June 3. Class 12.
New Holland Machine Company, New Holland, Pa. Quarterly periodical publication. Serial No. 620,684, June 3. Class 38.
New York Air Brake Company, The, Watertown and New York, N. Y. Air filters and parts thereof. Serial No. 615,400, June 3. Class 31.
New York Air Brake Company, The, Watertown and New York, N. Y. Instruction manuals. Serial No. 615,401, June 3. Class 38.
Nichols Wire & Aluminum Co., Davenport, Iowa. Clothesline wire. Serial No. 616,183, June 3. Class 7.
Nicholson File Company, Providence, R. I. Files and rasps. Serial No. 552,365, June 3. Class 23.
Nicoletti, Dominick J., New Rochelle, N. Y. Preparation of body-building elements. Serial No. 610,224, June 3. Class 18.
Northrup, King & Co., Minneapolis, Minn. Lawn fertilizer. Serial No. 610,578, June 3. Class 10.
Nova Chemical Corporation, New York, N. Y. Dye-stuffs and pigment colors. Serial No. 612,055, June 3. Class 6.
Numotizine, Inc., Chicago, Ill. Lanolin ointment. Serial No. 620,471, June 3. Class 18.
Occidental Life Insurance Company of California, Los Angeles, Calif. Underwriting of life insurance. Serial No. 528,943, June 3. Class 102.
Oklahoma Publishing Company, The, Oklahoma City, Okla. Column of a newspaper. Serial Nos. 620,817–19, June 3. Class 38.
Onyx Oil & Chemical Company, Jersey City, N. J. Chemical composition. Serial Nos. 625,688–9, June 3. Class 6.
Orano Corporation, New York, N. Y. Watches. Serial No. 574,374, June 3. Class 27.
Overseas Finance & Trading Company Inc., San Francisco, Calif. Binoculars. Serial No. 621,417, June 3. Class 26.
Pan-American Wall Paper & Paint Co., Chicago, Ill. Paints in dry, paste and mixed form, and for varnishes. Serial No. 608,830, June 3. Class 16.
Pan Pharmacals, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 603,077, June 3. Class 18.
Pangborn Corporation, Hagerstown, Md. Dry and wet centrifugal type dust collectors and parts thereof. Serial No. 612,929, June 3. Class 23.
Parry, T. R., & Company Limited, London, England. Oils and greases and lubricants. Serial No. 605,227, June 3. Class 15.
Pastene & Co., Inc., New York, N. Y. Grape juice. Serial No. 554,406, June 3. Class 45.
Pauly Cheese Company, Green Bay, Wis. Process cheese and cheese food. Serial No. 584,544, June 3. Class 46.
Perrine Manufacturing Co., Minneapolis, Minn. Finger nail files. Serial No. 573,567, June 3. Class 44.
Petroleum Specialties, Inc., New York, N. Y. Medicinal white mineral oils. Serial No. 619,355, June 3. Class 18.
Phillips & Buttorff Mfg. Co., Nashville, Tenn. Solid-, liquid-, and gaseous-fuel-burning stoves, ranges, water heaters, etc. Serial No. 595,150, June 3. Class 34.
Phillips Petroleum Company, Bartlesville, Okla. Organic hydroperoxides. Serial No. 580,945, June 3. Class 6.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 619,709, June 3. Class 18.

Pierce's Proprietaries, Inc., Buffalo, N. Y. Analgesic and anti-spasmodic. Serial No. 608,076, June 3. Class 18.
Pinky Products, Inc., New York, N. Y. Liquid nail polish remover. Serial No. 602,333, June 3. Class 51.
Pioneer Hi-Bred Corn Co., Des Moines, Iowa. Fresh eggs, frozen eggs, dried eggs, etc. Serial No. 587,907, June 3. Class 46.
Pitman-Moore Co.: *See*—
Allied Laboratories, Inc.
Pollak Steel Company, The, Cincinnati, Ohio. Electric fence posts. Serial No. 609,313, June 3. Class 21.
Popular Mechanics Company, Chicago, Ill. Periodical publication. Serial No. 620,821, June 3. Class 38.
Powell Muffler Company, Inc., Chicago, Ill., and Utica, N. Y. Mufflers. Serial No. 612,414, June 3. Class 23.
Prairie States Oil & Grease Company, Danville, Ill. Anti-freeze coolant. Serial No. 615,287, June 3. Class 6.
Pure Oil Company, The, Chicago, Ill. Tire paint. Serial No. 604,223, June 3. Class 16.
Quartararo, A. Ned, Brooklyn, N. Y. Frozen sea foods and fish. Serial No. 569,331, June 3. Class 46.
Radio-Television Manufacturers Association, Washington, D. C. Publications. Serial No. 610,186, June 3. Class 38.
Real Juice Company, Inc., Dallas, Tex. Nonalcoholic, maltless beverage. Serial No. 561,397, June 3. Class 45.
Reeves Pulley Company, Columbus, Ind. Variable speed power units. Serial No. 588,656, June 3. Class 23.
Reflector Research Corp., New York and Long Island City, N. Y. Reflector lamp shades. Serial No. 619,032, June 3. Class 21.
Rehels Company, Inc., Berkeley Heights, N. J. Aluminum chloride. Serial No. 606,487, June 3. Class 18.
Reliable Stores Corporation, Baltimore, Md. Watches, clocks, and parts thereof. Serial No. 589,869, June 3. Class 27.
Rhodes Pharmacal Co., Inc., Cleveland, Ohio. Preparation containing thiamin chloride, riboflavin, etc., for use as a dietary supplement containing vitamins and minerals. Serial No. 572,328, June 3. Class 18.
Ricel, Nina, Inc., New York, N. Y. Perfume. Serial No. 602,422, June 3. Class 51.
Rolscreen Company, Pella, Iowa. Windows, and window screens. Serial No. 606,682, June 3. Class 12.
Rosedale Knitting Company, Reading, Pa. Ladies' hosiery. Serial No. 616,643, June 3. Class 39.
Roselawn Poultry Farm, Madison Township, Montgomery County, Ohio. Live poultry and hatching eggs. Serial No. 618,304, June 3. Class 1.
Rougier Freres, Montreal, Quebec, Canada. Vaso-dilator for the treatment of blood hypertension. Serial No. 577,456, June 3. Class 18.
S. & C. Products Company, Dallas, Tex. Elixir and iron tonic. Serial No. 614,218, June 3. Class 18.
Sachs Quality Stores, Inc., New York, N. Y. Bedroom furniture, living-room furniture, dining-room furniture, etc. Serial No. 589,044, June 3. Class 32.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Frozen fresh vegetables. Serial No. 603,422, June 3. Class 46.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Food flavoring extracts and spices. Serial No. 605,616, June 3. Class 46.
Sahyun Laboratories: *See*—
Sahyun, Melville.
Sahyun, Melville, doing business as Sahyun Laboratories, Santa Barbara, Calif. Preparation used in the treatment of anemia. Serial No. 602,339, June 3. Class 18.
Schenley Distillers, Inc., New York, N. Y. Feed for poultry and swine. Serial No. 623,986, June 3. Class 46.
Schering Corporation, Bloomfield, N. J. Crystalline testosterone hormone preparation. Serial No. 607,607, June 3. Class 18.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields, or pads. Serial No. 613,479, June 3. Class 18.
School Pen Co.: *See*—
Morningstar, Ernest D.
Schweppes (Colonial & Foreign) Limited, London, England. Soda water, dry ginger ale, ginger beer, etc. Serial No. 618,657, June 3. Class 45.
Seamless Rubber Company, The, New Haven, Conn. Rubber composition adhesive masking tape. Serial No. 596,810, June 3. Class 5.
Sears, Roebuck and Co., Chicago, Ill. Metal awnings. Serial No. 607,145, June 3. Class 12.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Penicillin. Serial No. 609,206, June 3. Class 18.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Estrogenic preparation. Serial No. 609,209, June 3. Class 18.
Sigma Chemical Co., St. Louis, Mo. Pharmaceutical preparation. Serial No. 608,047, June 3. Class 18.
Skrmetta, Nick, Biloxi, Miss. Liquid chemical preparation. Serial No. 591,113, June 3. Class 18.
Sleepwear, Inc., New York, N. Y. Men's pajamas. Serial No. 619,266, June 3. Class 39.
Smith, John W., Reynoldsville, Pa. Salve. Serial No. 611,546, June 3. Class 18.
Southern Spring Bed Company, Atlanta, Ga. Bed springs and mattresses. Serial No. 615,099, June 3. Class 32.
South Seas Trading Corp., New York, N. Y. Women's and children's blouses, jackets, shirtwaists, etc. Serial No. 615,999, June 3. Class 39.
Southwest Food Products Co., Los Angeles, Calif. Fruit preserves, fruit jellies, and orange marmalade. Serial No. 618,058, June 3. Class 46.
Specialloy, Inc., Chicago, Ill. Alloy addition agents. Serial No. 613,886, June 3. Class 14.
Spheric Structures, Inc., Washington, D. C. Prefabricated readily erectable buildings, knockdown buildings, portable buildings, etc. Serial No. 605,376, June 3. Class 12.
Squibb, E. R., & Sons, New York, N. Y. Antihypertensive agents. Serial No. 603,554 June 3. Class 18.
Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparation. Serial No. 614,467, June 3. Class 18.
Squibb, E. R., & Sons, New York, N. Y. Antitussive preparation. Serial No. 619,215, June 3. Class 18.
Staley Milling Company, North Kansas City, Mo. Poultry feed. Serial No. 622,043, June 3. Class 46.
Standard Pressed Steel Co., Jenkintown, Pa. Aircraft products. Serial No. 615,141, June 3. Class 13.
Stayner Corporation, Berkeley, Calif. Sedative. Serial No. 614,171, June 3. Class 18.
Sticht, Herman H., Company, Inc., New York, N. Y. Instruments for measuring electrical resistances. Serial No. 488,673, June 3. Class 26.
Supply Manufacturing Co. Inc., New York, N. Y. Belting. Serial No. 576,369, June 3. Class 40.
Sutliff & Case Co., Inc., Peoria, Ill. Medicinal preparations. Serial No. 615,419, June 3. Class 18.
Swansdown Sanitary Garment Company, Incorporated, Detroit, Mich. Sanitary napkins and sanitary belts or supporters. Serial No. 606,735, June 3. Class 44.
Swift & Company, Chicago, Ill. Gelatin and glycerine. Serial No. 613,247, June 3. Class 18.
Tar-Gon Products, Inc., Chicago, Ill. Chlorophyll chewing gum. Serial No. 620,904, June 3. Class 46.
Tattoo, Inc., New York, N. Y. Toilet preparations, perfumery, and cosmetics. Serial No. 611,317, June 3. Class 51.
Texas Fabricating Co., Houston, Tex. Aluminum awnings. Serial No. 619,955, June 3. Class 12.
Thresher Paint & Varnish Company, The, Dayton, Ohio. Liquid paints, liquid paint enamels, etc. Serial No. 535,902, June 3. Class 16.
Tillotson Rubber Co. Inc., Needham Heights, Mass. Toy rubber animals and dolls, rubber balls, etc. Serial No. 596,633, June 3. Class 22.
Traum, David, Company, Inc., New York, N. Y. Art needlework accessory. Serial No. 618,718, June 3. Class 40.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
Union Carbide and Carbon Corporation, New York, N. Y. Herbicides. Serial No. 617,463, June 3. Class 6.
United Laboratories Co., Linden, N. J. Commercial buffing and polishing compound. Serial No. 568,813, June 3. Class 4.
United Manufacturing and Service Co., Milwaukee, Wis. Systems consisting of wire, junction blocks, sockets, terminals, etc. Serial No. 619,319, June 3. Class 21.
Universal Mills, Fort Worth, Tex. Food for hogs. Serial No. 620,019, June 3. Class 46.
Universal Packing & Gasket Company, Houston, Tex. Piston cups for pumps. Serial No. 612,425, June 3. Class 35.
Upjohn Company, The, Kalamazoo, Mich. Washable base antibiotic ointment. Serial No. 602,007, June 3. Class 18.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 602,585, June 3. Class 18.
Velsicol Corporation, Chicago, Ill. Insecticides and fungicides. Serial No. 620,534, June 3. Class 6.
Vidor Limited, London, England. Electric dry batteries. Serial No. 604,408, June 3. Class 21.
Visualite Venetian Blind Co., Los Angeles, Calif. Venetian blinds. Serial No. 589,817, June 3. Class 32.
Vulcan Metal Products Company, Birmingham, Ala. Metal screen doors and window screens, and metal storm sash. Serial No. 581,540, June 3. Class 12.
Wamsutta Mills, New Bedford, Mass. House organs. Serial No. 620,702, June 3. Class 38.
Weekly Publications, Inc., New York, N. Y. Department or section of a periodical publication. Serial No. 620,068, June 3. Class 38.
Weinreich Brothers Company, New York, N. Y. Jewelry clasps, and jewelry clips. Serial No. 609,266, June 3. Class 28.
Wells Lamont Corporation, Chicago, Ill. Work gloves. Serial No. 599,296, June 3. Class 39.
Wellman-Peck & Co., San Francisco, Calif. Canned foods. Serial No. 538,205, June 3. Class 46.
Wesleyan Methodist Publishing Association, The, Syracuse, N. Y. Periodicals, leaflets, pamphlets, tracts and other religious publications. Serial No. 616,465, June 3. Class 38.
West Disinfecting Company, Long Island City, N. Y. Disinfectants, deodorants, sink, kitchen and bathroom antiseptics, etc. Serial No. 611,673, June 3. Class 6.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. Serial No. 526,012, June 3. Class 37.
Western Waxed Paper Company: *See*—
Crown Zellerbach Corporation.
Whiteselle Brick & Lumber Company, Corsicana, Tex. Red building brick. Serial No. 559,411, June 3. Class 12.
Whiting-Adams Company, Inc., Boston, Mass. Brushes. Serial No. 619,528, June 3. Class 29.
Whitney Blake Company, The, Hamden, Conn. Insulated electric wire. Serial No. 601,651, June 3. Class 21.
Wilbur & Williams Company, The, Boston, Mass. Floor and wall enamel. Serial No. 552,301, June 3. Class 16.
Williams, Geo. L., Company, The, Cleveland, Ohio. Floor dressings. Serial No. 607,836, June 3. Class 16.
Worldsbest Industries, Inc., Cudahy, Wis. Baby safety gates. Serial No. 607,837, June 3. Class 12.
Wright & McGill Co., Denver, Colo. Fish hooks. Serial No. 618,719, June 3. Class 22.
Wyeth Incorporated, Philadelphia, Pa. Strontium lactate. Serial No. 610,352, June 3. Class 18.
Young's, J. H., Spring Lake, N. J. Filing cabinets, index cabinets, steel utility cabinets. Serial No. 616,578, June 3. Class 32.
Youngstown Industries, Inc., Girard, Ohio. Permanent aluminum awnings. Serial No. 620,765, June 3. Class 12.
Zinsser, William, & Co. Incorporated, New York, N. Y. All purpose quick drying black lacquer. Serial No. 615,921, June 3. Class 16.

LIST OF REGISTRANTS OF TRADE-MARKS

Accurate Parts Manufacturing Company, Cleveland, Ohio. Clutches and parts thereof, clutch plates, coil springs, etc. 291,003, renewed Jan. 26, 1952. O. G. June 3. Class 23.
Acu-Rule Manufacturing Company, St. Louis, Mo. Slide rules. 559,602, June 3; Serial No. 608,051, published Mar. 4, 1952. Class 26.
Adam Hat Stores, Inc., New York, N. Y. Men's hats. 292,694, renewed Mar. 22, 1952. O. G. June 3. Class 39.
Advance Polishing Wheels, Inc., Chicago, Ill. Buffs and buffing wheels. 559,613, June 3; Serial No. 608,906, published Mar. 11, 1952. Class 4.
Airborne Instruments Laboratory, Inc., Mineola, N. Y. Engineering and research services. 552,069, Dec. 11, 1951. Corrected. O. G. June 3. Class 100.
Aktiebolaget Bofors, Bofors, Sweden. Crystalline chemical preparations for use in cosmetic creams. 559,552, June 3; Serial No. 600,939, published Feb. 19, 1952. Class 51.
Aktiebolaget Bofors, Bofors, Sweden. Tools, tool bits, drills, etc 559,646, June 3; Serial No. 614,328, published Mar. 4, 1952. Class 23.
Alemite Company of Southern California, Los Angeles, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill. Internal combustion engine operation and efficiency indicator. 559,598, June 3; Serial No. 607,276, published Mar. 4, 1952. Class 26.
Alexander-Wilson Co., Pasadena, Calif. Combination coaster and snack plates. 559,649, June 3; Serial No. 614,394, published Mar. 11, 1952. Class 2.
Allied Chemical & Dye Corporation, New York, N. Y. Pitch, tar, and asphalt, asphaltic and tarry materials, etc. 559,563, June 3; Serial No. 602,872, published Feb. 19, 1952. Class 1.
Allied Chemical & Dye Corporation, New York, N. Y. Booklets, pamphlets, or leaflets. 559,692, June 3; Serial No. 617,525, published Mar. 4, 1952. Class 38.
Althouse Chemical Company, Inc., Reading, Pa. Dyes and dyestuffs. 559,529, June 3; Serial No. 594,680, published Mar. 11, 1952. Class 6.
American Beverage Co., to American Beverage Company, New Orleans, La. Carbonated and still non-alcoholic beverages, etc. 291,508, renewed Feb. 9, 1952. O. G. June 3. Class 45.
American Beverage Company: *See*—
American Beverage Co.
American Cyanamid Company, New York, N. Y. Fire retardants. 559,647, June 3; Serial No. 614,329, published Mar. 11, 1952. Class 6.
American Cyanamid Company, New York, N. Y. Synthetic fiber.. 559,674, June 3; Serial No. 616,072, published Mar. 11, 1952. Class 1.
American Machine and Foundry Company, New York, N. Y. Drill chucks, tapping attachments, and automatic bar stock holding chucks. 559,490, June 3; Serial No. 564,919, published Jan. 29, 1952. Class 23.
American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Rope and lines. 559,661, June 3; Serial No. 615,432, published Mar. 11, 1952. Class 7.
American Sanitary Manufacturing Company, Abingdon, Ill. Plumbing equipment. 559,619, June 3; Serial No. 609,710, published Mar. 4, 1952. Class 13.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical cable. 553,468-9, Jan. 15, 1952. Corrected. O. G. June 3. Class 21.
American Tissue Mills: *See*—
Japanese Tissue Mills.
American Zyloptic Co., Inc., New York, N. Y. Eye-glass frames and the containers or receptacles for such eye-glass frames. 559,639, June 3; Serial No. 614,077, published Feb. 12, 1952. Class 26.
Ames Company, Inc., Elkhart, Ind. Diagnostic kits. 559,650, June 3; Serial No. 614,418, published Jan. 22, 1952. Class 26.
Ammco Tools, Inc., North Chicago, Ill. Brake shoe grinders, valve tappet grinders, valve tappet screw grinders, etc. 559,657, June 3; Serial No. 614,979, published Mar. 4 1952. Class 23.
Anchor Plastics Company, Inc., New York, N. Y. Waterproof and moistureproof resealable bags. 559,521, June 3; Serial No. 588,263, published Jan. 2, 1951. Class 2.
Arma Corporation, Brooklyn, N. Y. Calculating apparatus. 559,662, June 3; Serial No. 615,435, published Feb. 26, 1952. Class 26.
Armour and Company, doing business under the trade style Jacob E. Decker & Sons, Chicago, Ill. Sausage. 559,574, June 3; Serial No. 604,251, published Mar. 11, 1952. Class 46.
Armour and Company, Chicago, Ill. Adrenocorticotropic compositions. 559,641, June 3; Serial No. 614,126, published Jan. 15, 1952. Class 18.
Artistic Beauty Products Company, Los Angeles, Calif. Impregnated pads. 559,527, June 3; Serial No. 593,855, published Mar. 11, 1952. Class 6.
Associated Portland Cement Manufacturers, Limited, The, London, England. Portland cement. 290,752, Jan. 12, 1932. Republished June 3. Class 12.
Aviation Engineering Corporation, Woodside, N. Y. Aircraft instruments. 559,644, June 3; Serial No. 614,235, published Mar. 4, 1952. Class 26.
Barclay Manufacturing Company, Inc., New York, N. Y. Periodicals. 559,510, June 3; Serial No. 576,841, published Feb. 26, 1952. Class 38.
Basic Publications, Inc., New York, N. Y. Magazine. 559,725, June 3; Serial No. 601,419. Class 38.
Basic Refractories, Incorporated: *See*—
Canadian Refractories Limited.
Batlin, L., & Son, Inc., New York, N. Y. Dinnerware, tableware, kitchenware, etc. 559,541, June 3; Serial No. 598,519, published Jan. 22, 1952. Class 30.
Batlin, L., & Son, Inc., New York, N. Y. Pinking shears, scissors, cutlery knives, etc. 559,625, June 3; Serial No. 611,633, published Feb. 5, 1952. Class 23.
Baxter Laboratories, Inc., Morton Grove, Ill. Nasal catheters, stomach tubes, rectal tubes, etc. 559,700, June 3; Serial No. 620,383, published Feb. 26, 1952. Class 44.
Beach Soap Company, Lawrence, Mass. Detergents. 295,530, renewed July 5, 1952. O. G. June 3. Class 52.
Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn., by United States Rubber Company, New York, N. Y. Waterproof and canvas rubber-soled footwear. 291,884, Feb. 23, 1932. Republished June 3. Class 39.
Beattie, Agnes M., doing business as D. A. Beattie Association, Porterville, Calif. Fresh citrus fruits. 559,731, June 3; Serial No. 612,432. Class 46.
Beattie, D. A., Association: *See*—
Beattie, Agnes M.
Beaumont Birch Company, Philadelphia, Pa. Bucket conveyor apparatus. 559,684, June 3; Serial No. 616,539, published Feb. 19, 1952. Class 23.
Becton, Dickinson and Company, Rutherford, N. J. Charts. 559,517, June 3; Serial No. 586,584, published Mar. 11, 1952. Class 38.
Bendixen, Howard R.: *See*—
Bendixen Tobacco Co.
Bendixen Tobacco Co., to H. R. Bendixen, doing business as Bendixen Tobacco Company, Syracuse, N. Y. Chewing and smoking-tobacco. 82,400, re-renewed June 27, 1952. O. G. June 3. Class 17.
Bendixen Tobacco Company: *See*—
Bendixen Tobacco Co.
Berger-Amour Studios, Chicago, Ill. Advertising displays. 559,608, June 3; Serial No. 608,406, published Mar. 4, 1952. Class 38.
Betzel, A. E., Engineering Company, Arlington, Tex. Machines with which to wrap cylindrical objects with material in tape form. 559,561, June 3; Serial No. 602,731, published Jan. 8, 1952. Class 23.
Bigelow-Clark, Inc., New York, N. Y. Antiseptic rubefacient. 559,635, June 3; Serial No. 613,967, published Jan. 15, 1952. Class 18.
Black Panther Tool Company, Philadelphia, Pa. Blocks with abrasive surface for sanding. 559,667, June 3; Serial No. 615,677, published Mar. 11, 1952. Class 4.
Blom, Knut A., Lakewood, Ohio. Mathematical computing devices. 559,556, June 3; Serial No. 602,180, published Jan. 22, 1952. Class 26.
Bluepoints Company, Inc.: *See*—
Cedar Island Oyster Company.
Boubli, Charles, Paris, France. Prepared mustard. 559,596, June 3; Serial No. 607,154, published Mar. 11, 1952. Class 46.

Bourjois, A., & Co., Inc., to Bourjois, Inc., New York, N. Y. Toilet soap. 120,245, Jan. 29, 1918. New certificate. O. G. June 3. Class 52.

Bourjois, Inc.: *See*—
Bourjois, A., & Co., Inc.

Bowen & Company: *See*—
Bowen, William S.

Bowen, William S., doing business under the name of Bowen & Company, Westfield, N. J. Ground beef extender. 559,656, June 3; Serial No. 614,747, published Mar. 11, 1952. Class 46.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Spark plug cleaner and tester. 559,504, June 3; Serial No. 573,526, published Feb. 5, 1952. Class 26.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Rubber patches. 559,526, June 3; Serial No. 590,350, published Mar. 4, 1952. Class 35.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Compound for removing rust and scale from radiators, etc. 559,568, June 3; Serial No. 603,434, published Oct. 30, 1951. Class 52.

Bridgeport Moulded Products, Inc., Fairfield, Conn. Drinking glass coasters. 559,515, June 3; Serial No. 584,314, published Mar. 11, 1952. Class 2.

Briggs, John P., doing business as Clown Town, Lakewood, Ohio. Photographing of children. 559,702, June 3; Serial No. 581,402, published Mar. 11, 1952. Class 100.

Brown Company, Portland, Maine, and Berlin, N. H. Paper. 293,744, renewed May 3, 1952. O. G. June 3. Class 37.

Brown Company, Portland, Maine, and Berlin, N. H. Paper suitable for use in the manufacture of roofing. 295,779, renewed July 12, 1952. O. G. June 3. Class 12.

Brown Company, Portland, Maine, and Berlin, N. H. Paper. 295,975, renewed July 19, 1952. O. G. June 3. Class 37.

Buffalo Evening News: *See*—
Buffalo Evening News, Inc.

Buffalo Evening News, Inc., Buffalo, N. Y., assignee of E. H. Butler, individually and as trustee under the last will and testament of E. H. Butler, deceased, doing business as Buffalo Evening News. Entertainment service. 559,701, June 3; Serial No. 548,715, published Mar. 11, 1952. Class 107.

Bulletin Company, Philadelphia, Pa. Periodical publications. 559,494, June 3; Serial No. 551,520, published Mar. 4, 1952. Class 38.

Butler, Edward H.: *See*—
Buffalo Evening News, Inc.

Butler's, Inc., Atlanta, Ga. Hosiery and slippers. 559,603, June 3; Serial No. 608,056, published Mar. 11, 1952. Class 39.

California Artists: *See*—
Crocker, H. S., Co., Inc.

California Date Growers Association, Indio, Calif. Fresh dates. 559,508, June 3; Serial No. 573,247, published Sept. 5, 1950. Class 46.

California Spray-Chemical Corporation, Berkeley, to California Spray-Chemical Corporation, Richmond, Calif. Insecticides, germicides, and fungicides. 291,948, renewed Feb. 23, 1952. O. G. June 3. Class 6.

Cameron Machine Company, Brooklyn, N. Y. Slitting wheel assembly. 559,528, June 3; Serial No. 594,100, published Jan. 8, 1952. Class 23.

Canadian Refractories Limited, Montreal, Quebec, Canada, to Basic Refractories, Incorporated, Cleveland, Ohio. Refractory cement. 291,227, renewed Feb. 2, 1952. O. G. June 3. Class 12.

Carlon Products Corporation: *See*—
Carter Products Corporation.

Carney Company, Inc., The, Mankato, Minn. Concrete gravel mix. 559,612, June 3; Serial No. 608,859, published Feb. 12, 1952. Class 12.

Carpenter Steel Company, The, Reading, Pa. Steel. 559,698, June 3; Serial No. 618,680, published Feb. 26, 1952. Class 14.

Carter Products Corporation, Cleveland, Ohio, now by change of name Carlon Products Corporation. Conduits. 559,532, June 3; Serial No. 595,358, published Mar. 4, 1952. Class 13.

Cedar Island Oyster Company, Greenport, to Bluepoints Company, Inc., West Sayville, N. Y. Oysters. 296,172, renewed July 26, 1952. O. G. June 3. Class 46.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Hand-operated tire pumps. 559,548, June 3; Serial No. 600,371, published Feb. 19, 1952. Class 23.

Chef-Way, Inc., Kansas City, Mo. Coin controlled, electrically operated vending machines. 559,571, June 3; Serial No. 603,663, published Jan. 8, 1952. Class 23.

Chicago Pharmacal Company, Chicago, Ill. Tablets for the relief of headache, neuralgia, and pains. 339,593, Oct. 13, 1936. Republished June 3. Class 18.

Child's World, Inc., The, Chicago, Ill. Set of reference books. 559,691, June 3; Serial No. 617,489, published Mar. 4, 1952. Class 38.

Chipman's, Chas., Sons Co., Inc., New York, N. Y. Hosiery. 559,651, June 3; Serial No. 614,489, published Mar. 11, 1952. Class 39.

Christian Science Publishing Society, The, Boston, Mass. Periodical. 559,639, June 3; Serial No. 615,269, published Feb. 26, 1952. Class 38.

Church & Company Limited, Northampton, England. Boots, shoes, gaiters, etc. 290,411, Jan. 5, 1932. Republished June 3. Class 39.

Church & Dwight Co., Inc., New York and Syracuse, N. Y. General purpose household cleaner. 559,560, June 3; Serial No. 602,674, published Feb. 26, 1952. Class 52.

City Milk Company, Inc., Maspeth, N. Y. Fluid milk. 559,535, June 3; Serial No. 596,835, published Apr. 10, 1951. Class 46.

Clinton Foods Inc., Clinton, Iowa. Starch. 559,531, June 3; Serial No. 594,831, published Mar. 11, 1952. Class 6.

Clown Town: *See*—
Briggs, John P.

Collins, William B., Company, Gloversville and Johnstown, N. Y. Newspaper. 559,665–6, June 3; Serial Nos. 615,481–2, published Feb. 26, 1952. Class 38.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 257,336, June 4, 1929. Restricted. O. G. June 3. Class 46.

Columbia Publications, Inc., New York, N. Y., and Holyoke, Mass. Fiction story magazine. 559,505, June 3; Serial No. 574,017, published Feb. 26, 1952. Class 38.

Columbiana Boiler Company, The, assignee: *See*—
Oaks & Barrow, Inc.

Combined Laundries, Inc., New York, to Combined Laundries, Inc., Mount Vernon, N. Y. Blankets. 291,772, renewed Feb. 23, 1952. O. G. June 3. Class 42.

Commercial Solvents Corporation, New York, N. Y. Penicillin salt. 559,636, June 3; Serial No. 613,972, published Jan. 15, 1952. Class 18.

Cook Paint & Varnish Company, North Kansas City, to Cook Paint & Varnish Company, Kansas City, Mo. Dry paste. 296,104, renewed July 26, 1952. O. G. June 3. Class 5.

Cook-Waite Laboratories, Inc., New York, N. Y. Anesthetic. 559,637, June 3; Serial No. 614,041, published Jan 15, 1952. Class 18.

Courtaulds, Limited, London, England. Cellulose filaments limited in length and supplied in untwisted form for all spinning purposes. 237,082, Jan. 3, 1928. Republished June 3. Class 43.

Courtaulds, Limited, London, England. Piece goods. 299,342, Nov. 29, 1932. Republished June 3. Class 42.

Crocker, H. S., Co., Inc., doing business as Crocker-Union and California Artists, San Bruno, Calif. Christmas cards. 559,685, June 3; Serial No. 616,545, published Mar. 11, 1952. Class 38.

Crocker-Union: *See*—
Crocker, H. S., Co., Inc.

Cunningham, William A., doing business as The Pentaplastic Company, Allentown, Pa. Viscous composition. 559,534, June 3; Serial No. 596,332, published Mar. 11, 1952. Class 6.

Danbury Rubber Company, Inc., The, Danbury, Conn. Cleaning material for removing wax and dirt. 559,579, June 3; Serial No. 605,300, published Mar. 11, 1952. Class 52.

Danbury Rubber Company, Inc., The, Danbury, Conn. Waxes. 559,584, June 3; Serial No. 605,998, published Mar. 11, 1952. Class 4.

Daniel, Jack: *See*—
Motlow, Lem.

Daniel, Jack, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskies. 42,663, May 24, 1904. New certificate. O. G. June 3. Class 49.

Daniel, Jack, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whisky. 44,460, July 4, 1905. New certificate. O. G. June 3. Class 49.

Daniel, Jack, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Straight whisky. 75,469, Oct. 5, 1909. New certificate. O. G. June 3. Class 49.

Daniel, Jack, Distillery, Lem Motlow, Prop., Inc.: *See*—
Daniel, Jack.

Daniel, Jack, Distilling Co.: *See*—
Motlow, Lem.

Davids Gloves, Inc., Springfield, Ohio. Work gloves. 559,626, June 3; Serial No. 612,486, published Mar. 11, 1952. Class 39.

Davis, Aaron, Harwichport, Cape Cod, Mass. Weather measuring instruments and indicators. 559,514, June 3; Serial No. 583,679, published Mar. 4, 1952. Class 26.

Dayton Rubber Company, The, Dayton, Ohio. Cord. 559,628, June 3; Serial No. 613,051, published Mar. 11, 1952. Class 7.

Decker, Alfred, & Cohn, Inc., to Society Brand Clothes, Inc., Chicago, Ill. Overcoats and topcoats. 295,122, renewed June 21, 1952. O. G. June 3. Class 39.

Decker, Alfred, & Cohn, Inc., to Society Brand Clothes, Inc., Chicago, Ill. Overcoats and topcoats, and coats. 295,123, renewed June 21, 1952. O. G. June 3. Class 39.

Decker, Alfred, & Cohn, Inc., to Society Brand Clothes, Inc., Chicago, Ill. Clothing. 295,461, renewed July 5, 1952. O. G. June 3. Class 39.

Decker, Jacob E., & Sons: *See*—
Armour and Company.

Denney, Frances, Philadelphia, Pa. Cologne essence. 559,587, June 3; Serial No. 606,137, published Feb. 19, 1952. Class 51.

Denny, Hilborn & Rosenbach, to Denny, Hilborn & Rosenbach Incorporated, Philadelphia, Pa. Ready-mixed decorative and preservative paints. 86,890–2, renewed June 11, 1952. O. G. June 3. Class 16.

Denny, Hilborn & Rosenbach Incorporated: *See*—
Denny, Hilborn & Rosenbach.

Dexter Portland Cement Co., Nazareth, Pa., to Penn-Dixie Cement Corporation, New York, N. Y. Portland cement. 38,662, re-renewed July 22, 1952. O. G. June 3. Class 12.

Diversey Corporation, The, Chicago, Ill. Bottle washing compound. 559,569, June 3; Serial No. 603,476, published Mar. 11, 1952. Class 52.

Dixie Pine Products Company, Inc., Hattiesburg, Miss. Rosin. 559,652, June 3; Serial No. 614,495, published Mar. 11, 1952. Class 1.

Donchian, Paul S., Hartford, Conn. Dishes and trays. 559,518, June 3; Serial No. 583,335, published Mar. 18, 1952. Class 2.

Duluth Buff Company, Chicago, Ill. Buffing wheels and buffing wheel sections. 559,573, June 3; Serial No. 604,193, published Mar. 4, 1952. Class 4.

Eaton, Charles A., Company: *See*—
Richards & Brennan Co.

Eckenbeck & Madden Co., Minneapolis, Minn. Tapered lip inserts for providing fastening means for securing bolts to plates and the like. 559,706, June 3; Serial No. 511,321. Class 13.

Edibrac Limited, Broadheath, Cheshire, England. Cutting tools, cutting tool tips, cutting tool tip blanks, etc. 559,582, June 3; Serial No. 605,630, published Feb. 19, 1952. Class 23.

Editors Press Service, Inc., New York, N. Y. Newspaper and magazine copy material. 559,615, June 3; Serial No. 609,402, published Feb. 26, 1952. Class 38.

Educational Testing Service, Princeton, N. J. Printed publications. 559,686, June 3; Serial No. 616,701, published Feb. 26, 1952. Class 38.

Elliott, B. K., Company, Pittsburgh, Pa. Liquid composition for fixing pencil or ink lines on drawings, etc. 292,253, renewed Mar. 8, 1952. O. G. June 3. Class 6.

Ellmore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware and hollowware. 559,545, June 3; Serial No. 599,425, published Jan. 22, 1952. Class 28.

Empire Plow Company, The, Cleveland, Ohio. Turn shovels. 559,496, June 3; Serial No. 551,957, published Feb. 19, 1952. Class 23.

Enterprise Aluminum Company, The, Massillon, Ohio. Aluminum cook-ware and gift-ware. 559,576, June 3; Serial No. 604,843, published Mar. 11, 1952. Class 13.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Esterbrook Pen Company, The: *See*—
Esterbrook Steel Pen Manufacturing Co., The.

Esterbrook Steel Pen Manufacturing Co., The, Camden, N. J., and New York, N. Y., to The Esterbrook Pen Company, Camden, N. J. Pens. 38,498, re-renewed June 24, 1952. O. G. June 3. Class 37.

Fairchild Publications, Inc., New York, N. Y. Newspaper column or columns. 559,654, June 3; Serial No. 614,546, published Mar. 4, 1952. Class 38.

Farrell, Virginia, Detroit, Mich. Cream foundation. 559,708, June 3; Serial No. 560,197. Class 51.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 559,544, June 3; Serial No. 598,991, published Jan. 15, 1952. Class 18.

Foodtown Kitchens, Inc., Chicago, Ill., to Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 293,727, renewed May 3, 1952. O. G. June 3. Class 46.

Forman, Ford and Co., Minneapolis, Minn. Exterior house paint and paint primer. 559,713, June 3; Serial No. 577,427. Class 16.

Formulator, Inc., Blue Island, Ill. Calculators. 559,688, June 3; Serial No. 617,024, published Feb. 12, 1952. Class 26.

Frechtmann, Jean, New York, N. Y. Jigsaw puzzles. 559,724, June 3; Serial No. 601,208. Class 22.

Garten Table Pad Company, Inc., Philadelphia, Pa. Table pads. 559,653, June 3; Serial No. 614,499, published Mar. 11, 1952. Class 50.

Gem Crib & Cradle Co., Gardner, Mass. Cribs, cradles, chairs, etc. 292,000, renewed Mar. 1, 1952. O. G. June 3. Class 32.

General Motors Corporation, Detroit, Mich. Motor driven vehicles. 293,706, renewed May 3, 1952. O. G. June 3. Class 19.

General Shale Products Corp., Johnson City and Kingsport, Tenn. Facing brick. 559,716, June 3; Serial No. 579,316. Class 12.

General Steel Warehouse Co., Inc., Chicago, Ill. Hot rolled bars and shapes, hot rolled sheets and strip, brass bars and shapes, etc. 559,699, June 3; Serial No. 619,879, published Feb. 26, 1952. Class 14.

General Teleradio, Inc., Carteret, N. J. Monthly periodical. 559,645, June 3; Serial No. 614,297, published Feb. 26, 1952. Class 38.

Gerber, Charles A., doing business as Charles A. Gerber Company, Bartlett, Ill. Bread crumbs. 559,715, June 3; Serial No. 577,788. Class 46.

Gerber, Charles A., Company: *See*—
Gerber, Charles A.

Germaine Monteil Cosmetiques Corporation, New York, N. Y. Face powders. 559,536, June 3; Serial No. 596,910, published Feb. 12, 1952. Class 51.

Gesteira, Dr. J., Inc., Detroit, Mich. Medicine used as a sedative and antispasmodic. 559,721, June 3; Serial No. 593,981. Class 18.

Getzel Sales Company, New York, N. Y. Hosiery. 559,547, June 3; Serial No. 599,940, published Mar. 11, 1952. Class 39.

Globe Democrat Publishing Company, St. Louis, Mo. Feature column of a newspaper. 559,690, June 3; Serial No. 617,398, published Mar. 4, 1952. Class 38.

Graflex, Inc., Rochester, N. Y. Photographic apparatus. 559,503, June 3; Serial No. 571,210, published Jan. 29, 1952. Class 26.

Grayson-Robinson Stores, Inc.: *See*—
Roth, Chester H., Co., Inc.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic and Pacific Tea Company, New York, N. Y. Coffee. 87,622, re-renewed July 30, 1952. O. G. June 3. Class 46.

Greater Enterprises Co., Spartanburg, S. C. Toothpaste. 559,599, June 3; Serial No. 607,385, published Feb. 19, 1952. Class 51.

Guardite Corporation, assignee: *See*—
Guardite Corporation, The.

Guardite Corporation, The, Chicago, Ill., assignor to Guardite Corporation, Wilmington, Del. Large metal tanks. 559,491, June 3; Serial No. 529,891, published Mar. 11, 1952. Class 2.

Gundlach, G. D., & Co., Inc., Cincinnati, Ohio. Salad dressing. 559,597, June 3; Serial No. 607,250, published Feb. 26, 1952. Class 46.

Haase, Wilbert W., Co., Forest Park, Ill. Asphaltic sealing composition. 559,495, June 3; Serial No. 551,539, published Feb. 12, 1952. Class 12.

Halmoscope Corporation, assignee: *See*—
Morris Instrument Corporation.

Hancock Manufacturing, Inc., Philadelphia, Pa. Hose adapted to be connected to water pipe. 559,714, June 3; Serial No. 577,715. Class 13.

Harbor Plywood Corporation, Aberdeen, Wash. Plywood. 397,154, Aug. 25, 1942. Republished June 3. Class 12.

Harbor Plywood Corporation, Aberdeen, Wash. Plywood. 409,479, Oct. 10, 1944. Republished June 3. Class 12.

Harbor Plywood Corporation, Aberdeen, Wash. Plywood. 412,919, Apr. 3, 1945. Republished June 3. Class 12.

Harbor Plywood Corporation, Aberdeen, Wash. Plywood. 418,092, Dec. 4, 1945. Republished June 3. Class 12.

Hardman, Florence M., doing business under the name and style of X-Act Company, Chicago, Ill. Household cleaning cream. 559,577, June 3; Serial No. 605,096, published Feb. 26, 1952. Class 52.

Harrell, Dewey B., doing business as Harrell Sewing Machine Co., Wichita, Kans. Sewing machines and attachments therefor. 559,502, June 3; Serial No. 569,379, published Jan. 15, 1952. Class 23.

Harrell Sewing Machine Co.: *See*—
Harrell, Dewey B.

Harris, Claire M., doing business under the name and style of Claire McCardell, New York, N. Y. Designing of fashions. 559,705, June 3; Serial No. 614,202, published Mar. 11, 1952. Class 100.

Harris, P. E., Company, Inc.: *See*—
Hawk Fish Company.

Hart, Frank, doing business as Hart Manufacturing Company, Hot Springs, Ark. Transfer decorations. 559,683, June 3; Serial No. 616,316, published Mar. 4, 1952. Class 38.

Hart Manufacturing Company: *See*—
Hart, Frank.

Hartford Live Poultry, Hartford, Conn. Dressed poultry. 559,718, June 3; Serial No. 582,685. Class 46.

Hawk Fish Company, to P. E. Harris Company, Inc., Seattle, Wash. Canned salmon. 85,746, re-renewed Mar. 12, 1952. O. G. June 3. Class 46.

Heinrichs, K., to P. J. Klein, trustee for the estate of K. C. Heinrichs (deceased) doing business as "K. Heinrichs", Albany, N. Y. Carbonated, nonalcoholic, noncereal, maltless beverages. 286,487, re-renewed Sept. 1, 1951. O. G. June 3. Class 45.

Heinrichs, Katherine C.: *See*—
Heinrichs, K.

Hillyard Chemical Company, St. Joseph, Mo. Liquid floor wax. 295,832, renewed July 12, 1952. O. G. June 3. Class 4.

Hiscock, Earle F., Washington, D. C., and New York, N. Y. Beverage brewers. 559,620, June 3; Serial No. 610,270, published Mar. 4, 1952. Class 13.

Hoffman, S., Los Angeles, to Luxrite Products Co., Hollywood, Calif. Manicure implements. 289,931, renewed Dec. 15, 1951. O. G. June 3. Class 44.

Hoffman, S., Los Angeles, to Luxrite Products Co., Hollywood, Calif. Combs. 291,622, renewed Feb. 23, 1952. O. G. June 3. Class 40.

Homestead Valve Manufacturing Company, Coraopolis, Pa. Combined mechanical vapor pressure cleaning machines and water vapor generators. 292,074, renewed Mar. 1, 1952. O. G. June 3. Class 23.

Honeycrisp Health Candy Co., Chicago, Ill. Candy. 291,114, renewed Jan. 26, 1952. O. G. June 3. Class 46.

Howard Foundry Company, Chicago, Ill. Pneumatic horns. 559,542, June 3; Serial No. 598,797, published Jan. 8, 1952. Class 23.

Huntington Laboratories, Inc., Huntington and Tipton, Ind. Liquid for cleaning, preserving, and polishing surfaces. 555,429, Feb. 26, 1952. Corrected. O. G. June 3. Class 4.

Ideal Novelty & Toy Co., Brooklyn, to Ideal Toy Corporation, Hollis, N. Y. Dolls. 296,462, renewed Aug. 9, 1952. O. G. June 3. Class 22.

Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.

Illinois Iron & Bolt Co., Carpentersville, Ill. Steel warehouse-trucks. 87,342, re-renewed July 9, 1952. O. G. June 3. Class 19.

Imperial Glass Corporation, Bellaire, Ohio. Glassware. 559,622–3, June 3; Serial Nos. 610,846–7, published Jan. 22, 1952. Class 33.

Industry Publications, Inc., New York, N. Y. Monthly publications. 559,696, June 3; Serial No. 618,295, published Mar. 11, 1952. Class 38.

Institutional Products Corporation, New York, N. Y. Razor blades. 559,648, June 3; Serial No. 614,349, published Mar. 11, 1952. Class 23.

International Shoe Co.: *See*—
Roberts, Johnson & Rand Shoe Co.

International Shoe Co., St. Louis, Mo. Boots and shoes. 295,329, renewed June 28, 1952. O. G. June 3. Class 39.

Irving-Cloud Publishing Company, The, Chicago, Ill. Periodical publication section. 559,697, June 3; Serial No. 618,431, published Mar. 11, 1952. Class 38.

Janalyn Laboratories, Inc., The, Worcester, Mass. Deodorant and air freshener. 559,567, June 3; Serial No. 603,193, published Mar. 11, 1952. Class 6.

Japanese Tissue Mills, to American Tissue Mills, Holyoke, Mass. Paper towels and paper napkins. 85,354, re-renewed Feb. 13, 1952. O. G. June 3. Class 37.

Jensen, Georg, Handmade Silver Inc., to Georg Jensen Inc., New York, N. Y. Bracelets, brooches, and other jewelry, etc. 292,638, renewed Mar. 22, 1952. O. G. June 3. Class 28.

Jensen, Georg, Handmade Silver Inc., to Georg Jensen Inc., New York, N. Y. Bracelets, brooches, and other jewelry, etc. 293,530, renewed Apr. 26, 1952. O. G. June 3. Class 28.

Jensen, Georg, Inc.: *See*—
Jensen, Georg, Handmade Silver Inc.

Jetron Company, Milwaukee, Wis. Silicone base cleaning wax preparation. 559,583, June 3; Serial No. 605,745, published Feb. 26, 1952. Class 52.

Johnston Fruit Company, Santa Barbara, Calif. Oranges and lemons. 87,635, re-renewed July 30, 1952. O. G. June 3. Class 46.

Juliana Lingerie, Inc., New York, N. Y. Women's and misses' lingerie. 559,663, June 3; Serial No. 615,455, published Mar. 11, 1952. Class 39.

Justi, H. D., & Son, Inc., Philadelphia, Pa. Artificial teeth. 559,557–8, June 3; Serial Nos. 602,203–4, published Mar. 11, 1952. Class 44.

Kawneer Company, The: *See*—
Kawneer Mfg. Co.

Kawneer Mfg. Co., to The Kawneer Company, Niles, Mich. Metal doors, metal windows, and metal moldings. 85,449, re-renewed Feb. 20, 1952. O. G. June 3. Class 12.

Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. 293,540, Apr. 26, 1932. Republished June 3. Class 39.

Kellogg Company: *See*—
Foodtown Kitchens, Inc.

Kent, Roger, Inc., New York, N. Y., Philadelphia, Pa., New Haven, Conn., and Cambridge and Boston, Mass. Men's clothing. 559,575, June 3; Serial No. 604,305, published Mar. 11, 1952. Class 39.

Keystone Knitting Mills (1928) Limited, Elstree, England. Stockings and socks. 559,610, June 3; Serial No. 608,550, published Mar. 11, 1952. Class 39.

Keystone Steel and Wire Company: *See*—
Keystone Steel & Wire Company.

Keystone Steel and Wire Company, Peoria, Ill. Wire, barb wire and wire fence stretches. 86,598, re-renewed May 21, 1952. O. G. June 3. Class 23.

Keystone Steel and Wire Company, Peoria, Ill. Metal gates. 86,714–15, re-renewed May 28, 1952. O. G. June 3. Class 13.

Keystone Steel & Wire Company, Peoria, South Bartonville, to Keystone Steel and Wire Company, Peoria, Ill. Metallic fence posts. 293,634, renewed May 3, 1952. O. G. June 3. Class 13.

Kircher, Charles W., doing business as North Hollywood Egg Farms, North Hollywood, Calif. Fresh eggs. 559,710, June 3; Serial No. 570,779. Class 46.

Klein, Peter J., trustee: *See*—
Heinrichs, K.

Knapp Mills Incorporated, Long Island City, N. Y. Electrodes. 559,624, June 3; Serial No. 611,031, published Feb. 26, 1952. Class 14.

Kroger Co., The, Cincinnati, Ohio. Fresh fruits and vegetables. 559,732, June 3; Serial No. 615,225. Class 46.

La Cell Industries, Inc., Brooklyn, N. Y. Dolls. 559,723, June 3; Serial No. 600,836. Class 22.

Lanmark Company, Astoria, N. Y. Foot lotions. 559,712, June 3; Serial No. 577,331. Class 51.

Lantz, Walter, Productions, Inc., Hollywood, Calif. Series of motion picture photoplays. 559,671, June 3; Serial No. 615,984, published Jan. 22, 1952. Class 26.

Liberty Fabrics of New York, Inc.: *See*—
Liberty Lace and Netting Works.

Liberty Lace and Netting Works, to Liberty Fabrics of New York, Inc., New York, N. Y. Lace in the piece. 294,260, renewed May 24, 1952. O. G. June 3. Class 42.

Lily-Tulip Cup Corporation: *See*—
Public Service Cup Company.

Linco Products Corporation, Chicago, Ill. Javal water. 296,042, renewed July 19, 1952. O. G. June 3. Class 6.

Lord Baltimore Press, The, Baltimore, Md. Cartons. 559,501, June 3; Serial No. 567,525, published Mar. 11, 1952. Class 2.

Lord's Sportwear, Inc., New York, N. Y. Women's and misses' suits, coats, and dresses. 559,507, June 3; Serial No. 575,216, published Mar. 11, 1952. Class 39.

Luxrite Products Co.: *See*—
Hoffman, S.

Lyle & Scott Ltd., Hawick, Scotland. Men's and women's sweaters and women's skirts. 559,538, June 3; Serial No. 597,036, published Mar. 11, 1952. Class 39.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Women's hosiery. 559,616, June 3; Serial No. 609,489, published Mar. 11, 1952. Class 39.

Macfadden Publications, Inc., New York, N. Y. Monthly magazine. 559,546, June 3; Serial No. 599,832, published Feb. 26, 1952. Class 38.

Marathon Corporation: *See*—
Menasha Products Co.
Menasha Products Company, The.

Martin, Peter B., New York, N. Y. Periodical publication. 559,530, June 3; Serial No. 594,720, published Feb. 26, 1952. Class 38.

Masback Incorporated, New York, N. Y. Adze eye hammer handles, ash pit scoops, auger bits, etc. 559,498, June 3; Serial No. 561,843, published Feb. 26, 1952. Class 23.

Mason, Dudley L., doing business as Mason Products Company, Cincinnati, Ohio. Refrigerator deodorant. 559,522, June 3; Serial No. 588,764, published Mar. 11, 1952. Class 6.

Mason Products Company: *See*—
Mason, Dudley L.

Matthews, W. N., Corporation, St. Louis, Mo. Thermally operated switches. 559,605, June 3; Serial No. 608,319, published Feb. 26, 1952. Class 26.

Matthews, W. N., Corporation, St. Louis, Mo. Thermally operated switches. 559,606, June 3; Serial No. 608,360, published Feb. 26, 1952. Class 26.

McCardell, Claire: *See*—
Harris, Claire M.

McKay Company, The, Pittsburgh, Pa. Tire chains. 557,006, Apr. 1, 1952. Corrected. O. G. June 3. Class 13.

Mead Johnson & Company, Evansville, Ind. Dispensing closures for sterile liquid-containers. 559,611, June 3; Serial No. 608,798, published Mar. 11, 1952. Class 44.

Mecca Growers Association, Mecca, Calif. Fresh grapes. 559,493, June 3; Serial No. 547,468, published Jan. 9, 1951, Class 46.

Menasha Products Co., Menasha, to Marathon Corporation, Rothschild, Wis. Toilet paper. 292,504, renewed Mar. 15, 1952. O. G. June 3. Class 37.

Menasha Products Company, The, Menasha, to Marathon Corporation, Rothschild, Wis. Waxed and unwaxed paper, paper tablecloths, paper napkins, etc. 291,790, renewed Feb. 23, 1952. O. G. June 3. Class 37.

Menasha Products Company, The, Menasha, to Marathon Corporation, Rothschild, Wis. Metal holders and dispensers. 293,387, renewed Apr. 19, 1952. O. G. June 3. Class 2.

Miller and Miller, Inc., Atlanta, Ga. Printed labels. 559,689, June 3; Serial No. 617,155, published Feb. 26, 1952. Class 38.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liquid, plastic base, filler. 559,533, June 3; Serial No. 595,387, published Feb. 19, 1952. Class 12.

Moore Company, The, Charleston, W. Va. Assembly for storing clothes and other personal effects comprising a basket, clothes, hooks, etc. 559,728, June 3; Serial No. 607,293. Class 2.

Morris Instrument Corporation, assignor to Halmoscope Corporation, New York, N. Y. Blood testing apparatus. 559,660, June 3; Serial No. 615,339, published Feb. 12, 1952. Class 26.

Motlow, Lem, doing business as Jack Daniel Distilling Co., to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey. 314,108, June 19, 1934. New certificate. O. G. June 3. Class 49.

Motlow, Lem, doing business as Jack Daniel, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey. 323,914, May 7, 1935. New certificate. O. G. June 3. Class 49.

Motlow, Lem, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey. 362,813, Nov. 29, 1938. New certificate. O. G. June 3. Class 49.

Moyer Walter W., Company, Ephrata, Pa. Men's, women's and children's underwear. 559,553, June 3; Serial No. 601,508, published Mar. 11, 1952. Class 39.

Naamlooze Vennootschap Kristal-, Glas-En Aardewerkfabrieken "De Sphinx" Voorheen Petrus Regout & Co., Maastricht, Netherlands. Bathroom accessories and fittings and parts therefor. 559,492, June 3; Serial No. 540,436, published Mar. 4, 1952. Class 13.

Nalley's, Inc., Tacoma, Wash. Salad dressing. 292,577, renewed Mar. 15, 1952. O. G. June 3. Class 46.

Nalley's, Inc., Tacoma, Wash. Mayonnaise, Thousand Island dressing, salad dressing, etc. 295,211, renewed June 21, 1952. O. G. June 3. Class 46.

Nalley's, Inc., Tacoma, Wash. Mayonnaise and French dressing. 295,212, renewed June 21, 1952. O. G. June 3. Class 46.

Nashua Gummed and Coated Paper Company: *See*—
Package Paper Company.

National Auto Glass Specifications: *See*—
Tracy, Madison H.

National Products Co., Kansas City, Mo. Plastic dinnerware. 559,677, June 3; Serial No. 616,238, published Mar. 11, 1952. Class 2.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Canned vegetable juices, canned vegetables, canned vegetables for babies, etc. 559,719, June 3; Serial No. 583,278. Class 46.

National Tank Company, Tulsa, Okla. High pressure distillate and gas separators. 559,614, June 3; Serial No. 609,095, published Feb. 26, 1952. Class 23.

Neilson Chemical Company, Detroit, Mich. Chemicals. 559,681, June 3; Serial No. 616,298, published Mar. 11, 1952. Class 6.

Neisner Brothers, Inc., Rochester, N. Y. Dress negligee, and work shirts, blouses, etc. 296,481, renewed Aug. 9, 1952. O. G. June 3. Class 39.

New York Belting & Packing Co. Ltd., New York, N. Y., and Passaic, N. J., by United States Rubber Company, New York, N. Y. Machinery packing. 85,828, Mar. 19, 1912. Republished June 3. Class 35.

New York Herald Tribune Inc., New York, N. Y. Newspaper column. 559,634, June 3; Serial No. 613,853, published Feb. 26, 1952. Class 38.

New Yorker Cheese Company, Philadelphia, Pa. Cheese. 559,543, June 3; Serial No. 598,805, published Apr. 10, 1951. Class 46.

North Hollywood Egg Farms: *See*—
Kircher, Charles W.

Northwood Fur Farms, Cary, Ill. Mink pelts and live minks. 559,525, June 3; Serial No. 589,464, published Mar. 11, 1952. Class 1.

Northern Illinois Coal Corporation, Chicago, Ill. Coal. 559,678, June 3; Serial No. 616,239, published Mar. 11, 1952. Class 1.

Novadel-Agene Corporation, Belleville, N. J. Preparing and supplying, at the locality of its use, reagent gas, etc. 559,703, June 3; Serial No. 581,561, published Mar. 11, 1952. Class 100.

Oaks & Barrow, Inc., assignor to The Columbiana Boiler Company, Columbiana, Ohio. Refillable valved metallic tanks. 559,520, June 3; Serial No. 588,180, published Mar. 11, 1952. Class 2.

O-Cel-O, Inc., Buffalo, N. Y. Cellulose sponges. 559,717, June 3; Serial No. 580,502. Class 1.

Onyx Oil & Chemical Company, Jersey City, N. J. Chemical substance. 559,675, June 3; Serial No. 616,117, published Mar. 11, 1952. Class 6.

Package Paper Company, Holyoke, Mass., to Nashua Gummed and Coated Paper Company, Nashua, N. H. Transparent sheets of paper-like material. 291,910, renewed Feb. 23, 1952. O. G. June 3. Class 37.

Package Paper Company, Holyoke, Mass., to Nashua Gummed and Coated Paper Company, Nashua, N. H. Gift wrappers, doilies, and table covers. 292,637, renewed Mar. 22, 1952. O. G. June 3. Class 37.

Palmer Wellocut Tool Corporation, Meadville, Pa. Tools. 559,630, June 3, 1952; Serial No. 613,343, published Feb. 5, 1952. Class 23.

Pangborn Corporation, Hagerstown, Md. Finely divided abrasive materials. 559,572, June 3; Serial No. 603,850, published Feb. 26, 1952. Class 4.

Panther Oil & Grease Mfg. Co., Fort Worth, Tex. Soapless cleansing preparation. 559,550–1, June 3; Serial No. 600,689–90, published Feb. 26, 1952. Class 52.

Paragon Utilities Corporation, New York and Brooklyn, N. Y. Washtubs in the form of permanent fixtures connected to a water system, etc. 559,500, June 3; Serial No. 565,297, published Mar. 4, 1952. Class 13.

Paramount Pictures Corporation: *See*—
Paramount Publix Corporation.

Paramount Publix Corporation, to Paramount Pictures Corporation, New York, N. Y. Series of different motion picture films. 293,361, renewed Apr. 19, 1952. O. G. June 3. Class 26.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 296,452, renewed Aug. 9, 1952. O. G. June 3. Class 22.

Parker Pen Company, The, Janesville, Wis. Desk sets (desk stands and holders). 294,284, renewed May 24, 1952. O. G. June 3. Class 37.

Parris Mfg. Co., Clarinda, Iowa. Toy pistols. 559,733, June 3; Serial No. 615,284. Class 22.

Patek and Co., San Francisco, Calif. Preparation for increasing penetration and detergency action. 559,672, June 3; Serial No. 615,993, published Mar. 11, 1952. Class 6.

Pendergast, Raymond F., Chicago, Ill. Knife for paring human corns. 559,604, June 3; Serial No. 608,286, published Mar. 11, 1952. Class 44.

Penn Bag & Burlap Company, Pittsburgh, Pa. Burlap and cotton grain and feed storage bags. 559,590, June 3; Serial No. 606,565, published Mar. 11, 1952. Class 2.

Penn-Dixie Cement Corporation: *See*—
Dexter Portland Cement Co.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Women's, misses', and children's underwear. 292,573, renewed Mar. 15, 1952. O. G. June 3. Class 39.

Pentaplastic Company, The: *See*—
Cunningham, William A.

Peoples Drug Stores, Inc., Washington, D. C. Personal deodorant. 559,729, June 3; Serial No. 608,434. Class 51.

Peters & Russell, Inc., Springfield, Ohio. Automobile exhaust deflectors. 559,524, June 3; Serial No. 589,389, published Feb. 19, 1952. Class 23.

Petrolite Corporation, Ltd., Webster Groves, Mo. Corrosion resistant coating. 559,523, June 3; Serial No. 588,767, published Dec. 18, 1951. Class 16.

Photographers' Association of America, The, Wilmington, Del., and Toledo, Ohio. Monthly publication. 559,578, June 3; Serial No. 605,278, published Mar. 4, 1952. Class 38.

Pioneer Welding-Bit Works, The: *See*—
White, Thomas A.

Plastic Film Products Corporation, Akron, Ohio. Plastic film receptacles. 559,554–5, June 3; Serial Nos. 601,945–6, published Mar. 11, 1952. Class 2.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Women's clothing, men's, women's, and children's clothing. 559,687, June 3; Serial No. 616,922, published Mar. 11, 1952. Class 39.

Public Service Cup Company, to Lily-Tulip Cup Corporation, New York, N. Y. Paper cups. 87,365, re-renewed July 9, 1952. O. G. June 3. Class 2.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor fuel oils, lubricating oils, etc. 296,258, renewed Aug. 2, 1952. O. G. June 3. Class 15.

Quality Materials Company, Buffalo, N. Y. Rockwool insulation, finish lime, wood window units, etc. 559,609, June 3; Serial No. 608,474, published Feb. 19, 1952. Class 12.

Radio Corporation of America: *See*—
Victor Talking Machine Company.

Ralston Purina Company, St. Louis, Mo. Baby turkeys. 559,497, June 3; Serial No. 557,068, published Feb. 19, 1952. Class 1.

Rath Packing Company, The, Waterloo, Iowa. Ham, pork shoulder picnic, pork shoulder butt, etc. 559,600, June 3; Serial No. 607,528, published Mar. 11, 1952. Class 46.

Reinhart & Company, Hanford, Calif. Gauge operating electrically. 559,629, June 3; Serial No. 613,085, published Jan. 22, 1952. Class 26.

Restaurant Products, Springfield, Ill. Butter spreader. 559,595, June 3; Serial No. 606,981, published Jan. 1, 1952. Class 23.

Revere Rubber Company, Chelsea, Mass., by United States Rubber Company, New York, N. Y. Rubber heels and soles. 85,289, Feb. 6, 1912. Republished June 3. Class 39.

Richards & Brennan Co., Randolph, by Charles A. Eaton Company, Brockton, Mass. Leather and fabric boots and shoes. 290,816, Jan. 19, 1932. Republished June 3. Class 39.

Ridge Tool Company, The, Elyria, Ohio. Threading dies. 559,585, June 3; Serial No. 606,052, published Jan. 8, 1952. Class 23.

Roberts, Johnson & Rand Shoe Co., to International Shoe Co., St. Louis, Mo. Boots and shoes. 38,449, re-renewed June 17, 1952. O. G. June 3. Class 39.

Roberts, Johnson & Rand Shoe Co., to International Shoe Co., St. Louis, Mo. Boots and shoes. 38,451, re-renewed June 17, 1952. O. G. June 3. Class 39.

Ross, Will, Inc., Milwaukee, Wis. Cotton garments especially adapted for hospital use. 559,633, June 3; Serial No. 613,782, published Mar. 11, 1952. Class 44.

Roth, Chester H., Co., Inc., to Grayson-Robinson Stores, Inc., New York, N. Y. Hosiery. 546,823, Aug. 21, 1951. New certificate. O. G. June 3. Class 39.

Roth, Chester H., Co., Inc., New York, N. Y. Men's, women's, boys' and girls' hosiery. 559,591–4, June 3; Serial Nos. 606,952–5, published Mar. 11, 1952. Class 39.

Rothschild, Maurice L., & Company: *See*—
Rothschild, Maurice L., Incorporated.

Rothschild, Maurice L., Incorporated, to Maurice L. Rothschild & Company, Chicago, Ill. Women's dresses, coats, hats, and shoes. 291,748, renewed Feb. 23, 1952. O. G. June 3. Class 39.

S & S Industries, Inc., New York, N. Y. Spring clamps. 559,519, June 3; Serial No. 587,974, published Mar. 11, 1952. Class 13.

Safeway Stores, Incorporated, Oakland, Calif. Canned beets. 559,726, June 3; Serial No. 604,664. Class 46.

Safeway Stores, Incorporated, Oakland, Calif. Candy. 559,727, June 3; Serial No. 607,196. Class 46.

Schön, Bernhard, Potts Point, Sydney, New South Wales, Australia. Ladies' lingerie. 559,539, June 3; Serial No. 597,234, published Mar. 11, 1952. Class 39.
Schueller, Eugène, Paris, (Seine), France. Shampoos. 559,540, June 3; Serial No. 597,934, published Feb. 19, 1952. Class 52.
Schweitzer, E. O., Manufacturing Co., Inc., Northbrook, Ill. Live line ammeter. 559,618, June 3; Serial No. 609,703, published Jan. 22, 1952. Class 26.
Scovill Manufacturing Company, Waterbury, Conn. Brass pipe and plumbing supplies. 292,847, renewed Mar. 29, 1952. O. G. June 3. Class 13.
Sea-Ro Packing Company, Incorporated, Wood-Ridge, N. J. Packing. 559,673, June 3; Serial No. 616,053, published Mar. 4, 1952. Class 35.
Sears, Roebuck and Co., Chicago, Ill. Hog feed and overhead conveyor type litter carriers, rotary wheel hog oilers, milking machines, etc. 559,509, June 3; Serial No. 576,593, published Feb. 19, 1952. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Greeting cards, Christmas cards, birth announcements, etc. 559,640, June 3; Serial No. 614,108, published Feb. 26, 1952. Class 38.
Seaver Company: *See*—
Seline, S. A.
Seline, S. A., doing business under the trade name of Seaver Company, Omaha, Nebr. Rat repellent. 559,549, June 3; Serial No. 600,451, published Mar. 11, 1952. Class 6.
Seminole Coal Corporation, Chicago, Ill. Coal. 559,679, June 3; Serial No. 616,248, published Mar. 11, 1952. Class 1.
Sewell, John A., doing business as Spray-Nu Products, Chicago, Ill. Aluminum enamel, and automobile and furniture wax. 559,720, June 3; Serial No. 592,669. Class 4.
Seymour of Sycamore, Inc., Sycamore, Ill. Ready mixed paints. 559,730, June 3; Serial No. 612,183. Class 16.
Silver Lane Pickle Company, The, East Hartford, Conn. Dill pickles, sweet pickles, sauerkraut, etc. 559,566, June 3; Serial No. 603,084, published Mar. 11, 1952. Class 46.
Sleepy Hollow Craftsmen, Inc., Cincinnati, Ohio. Colored portraits. 559,676, June 3; Serial No. 616,191, published Mar. 4, 1952. Class 38.
Sloane, W. & J., New York, N. Y. Wood baskets, garment bags, shelf boxes, etc. 559,513, June 3; Serial No. 582,057, published Mar. 11, 1952. Class 2.
Smith, Audrey M., St. Louis, Mo. Trading stamps. 559,693, June 3; Serial No. 617,733, published Mar. 11, 1952. Class 38.
Smoler, Boris, & Sons, Inc., Chicago, Ill. Misses' and women's dresses. 559,668, June 3; Serial No. 615,861, published Mar. 11, 1952. Class 39.
Snell-Jones Tack Corporation, Brockton, Mass. Wire and cut tacks, nails, staples, etc. 559,711, June 3; Serial No. 577,231. Class 13.
Society Brand Clothes, Inc.: *See*—
Decker, Alfred & Cohn, Inc.
Sormani, Charles F., New York, N. Y. Greeting cards and printed wall calendars. 559,658, June 3; Serial No. 614,997, published Feb. 26, 1952. Class 38.
Southeastern Mills, Inc., Rome, Ga. Self-rising wheat flour. 559,709, June 3; Serial No. 560,362. Class 46.
Southern Lumber & Manufacturing Co., Ellijay, Ga. Pallets. 559,631, June 3; Serial No. 613,531, published Mar. 11, 1952. Class 50.
Spratling, William, Taxco, Guerrero, Mexico. Pocket knives, hunting knives, meat, fruit, and butter knives, etc. 559,564, June 3; Serial No. 602,922, published Jan. 8, 1952. Class 23.
Spray-Nu Products: *See*—
Sewell, John A.
Staley Milling Company, North Kansas City, Mo. Medicinal preparation. 559,601, June 3; Serial No. 607,881, published Jan. 15, 1952. Class 18.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Liquid preparation for the treatment of the nose and throat. 291,455, renewed Feb. 9, 1952. O. G. June 3. Class 18.
Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Cleansing fluid. 292,002, renewed Mar. 1, 1952. O. G. June 3. Class 52.
Standard Milling Company, Chicago, Ill. Wheat flour. 559,621, June 3; Serial No. 610,719, published Feb. 26, 1952. Class 46.
Standard Oil Development Company: *See*—
West India Oil Company.
Standard Oil Development Company, Linden, N. J. Compound for reducing cold test and viscosity of oils. 292,295, renewed Mar. 8, 1952. O. G. June 3. Class 6.
Standard-Toch Chemicals, Inc.: *See*—
Standard Varnish Works.
Standard Varnish Works, New York, to Standard-Toch Chemicals, Inc., Staten Island, N. Y. Varnishes, paints, lacquers, etc. 38,734, re-renewed Aug. 5, 1952. O. G. June 3. Class 16.
Standard Varnish Works, New York, to Standard-Toch Chemicals, Inc., Staten Island, N. Y. Enamels, ready-mixed paints, and varnishes. 87,942, re-renewed Aug. 13, 1952. O. G. June 3. Class 16.
Stevens, J. P., & Co., Inc.: *See*—
Utica Steam and Mohawk Valley Cotton Mills.
Stevens & Pedley Limited, Nottingham, England. Men's, women's, children's, and infants' wearing apparel. 559,586, June 3; Serial No. 606,059, published Mar. 11, 1952. Class 39.
Stevens, William, Ltd., London, England. Monthly magazine. 559,588, June 3; Serial No. 606,444, published Feb. 26, 1952. Class 38.
Stewart-Warner Corporation, assignee: *See*—
Alemite Company of Southern California.
Stokes, F. J., Machine Company, Philadelphia, Pa. Vacuum gauges and recording vacuum gauges. 559,570, June 3; Serial No. 603,559, published Mar. 4, 1952. Class 26.
Storm-Vulcan, Inc., Dallas, Tex. Crankshaft finishing machines and parts thereof. 559,580, June 3; Serial No. 605,563, published Mar. 11, 1952. Class 23.
Sunlight Coal Company, Chicago, Ill. Coal. 559,680, June 3; Serial No. 616,253, published Mar. 11, 1952. Class 1.
Swift & Company, Chicago, Ill. Stabilizers for ice cream. 559,638, June 3; Serial No. 614,071, published Mar. 11, 1952. Class 46.
Sylvan Sweets Co., Easton, Pa. Candy cigarettes. 559,537, June 3; Serial No. 596,957, published Feb. 26, 1952. Class 46.
Tampex, Inc., The, Denver, Colo., to Tampex Incorporated, New York, N. Y. Sanitary absorbent tampons. 294,959, renewed June 14, 1952. O. G. June 3. Class 44.
Tampex Incorporated: *See*—
Tampex, Inc., The.
Telecomputing Corporation, Burbank, Calif. Mechanical and electrical machine into which data is fed, etc. 559,670, June 3; Serial No. 615,914, published Feb. 12, 1952. Class 26.
Thayer, Inc., Gardner, Mass. Doll carriages, doll coaches, doll strollers, etc. 559,722, June 3; Serial No. 596,305. Class 22.
Time-Mirror Company, The, Los Angeles, Calif. Series of newspaper cartoons. 559,642–3, June 3; Serial Nos. 614,176–7, published Feb. 26, 1952. Class 38.
Timken-Detroit Axle Company, The, Detroit, Mich. Worms and gears. 559,707, June 3; Serial No. 546,805. Class 23.
Tracy, Madison H., doing business under the assumed name of National Auto Glass Specifications, Detroit, Mich. Photographic film. 559,512, June 3; Serial No. 578,297, published Jan. 22, 1952. Class 26.
Tribune Company, Chicago, Ill. Series of cartoons. 559,695, June 3; Serial No. 618,014, published Mar. 11, 1952. Class 38.
Triner, Joseph, Corporation, Chicago, Ill. Medicinal preparation. 291,946, renewed Feb. 23, 1952. O. G. June 3. Class 18.
Trip Teaser Productions, Nevada City, Calif. Travel booklets. 559,589, June 3; Serial No. 606,558, published Feb. 26, 1952. Class 38.
United Aircraft Products, Inc., Dayton, Ohio. Metal pans. 559,506, June 3; Serial No. 574,171, published Mar. 4, 1952. Class 13.
United States Rubber Company: *See*—
Beacon Falls Rubber Shoe Company, The.
New York Belting & Packing Co. Ltd.
Revere Rubber Company.
United States Rubber Company, New York, N. Y. Rubber flooring. 291,241, Feb. 2, 1932. Republished June 3. Class 12.
United States Rubber Company, New York, N. Y. Rubber covered rollers. 292,957, Mar. 29, 1932. Republished June 3. Class 23.
United States Rubber Company, New York, N. Y. Chemical blowing agent. 559,669, June 3; Serial No. 615,865, published Mar. 11, 1952. Class 6.
Utica Steam and Mohawk Valley Cotton Mills, Utica, to J. P. Stevens & Co., Inc., New York, N. Y. Sheets, sheetings, pillow-cases, etc. 87,383–4, re-renewed July 9, 1952. O. G. June 3. Class 42.
Utility Tools Inc., New York, N. Y. Tools. 559,516, June 3; Serial No. 584,646, published Mar. 4, 1952. Class 23.
Victor Talking Machine Company, Camden, N. J., to Radio Corporation of America, New York, N. Y. Talking-machines, talking-machine parts, talking-machine accessories, etc. 84,199, re-renewed Nov. 14, 1951. O. G. June 3. Class 36.
Villa Park Orchards Association, The, Orange, Calif. Fresh citrus fruits. 559,511, June 3; Serial No. 577,241, published Mar. 11, 1952. Class 46.
Vitamix Corporation, Philadelphia, Pa. Composition of amphetamine hydrochloride, thyroid, atropine sulfate, etc. 559,565, June 3; Serial No. 603,031, published Jan. 15, 1952. Class 18.
Wakefield Coffee Co.: *See*—
Wakefield Coffee Co. of California.
Wakefield Coffee Co. of California, doing business under the name of Wakefield Coffee Co., Glendale, Calif. Coffee. 559,655, June 3; Serial No. 614,640, published Mar. 11, 1952. Class 46.
Washington Post Company, The, Washington, D. C. Column in a newspaper. 559,694, June 3; Serial No. 617,828, published Mar. 4, 1952. Class 38.

Washington Steel Products Inc., Tacoma, Wash. Cabinet hardware. 559,559, June 3; Serial No. 602,533, published Mar. 4, 1952. Class 13.
Weisel & Co.: *See*—
Weisel & Co., Inc.
Weisel & Co., Inc., doing business under the name Weisel & Co., Milwaukee, Wis. Liver and bacon sausage, braunschweiger, and gee liverwurst. 559,581, June 3; Serial No. 605,621, published Mar. 11, 1952. Class 46.
Welex Jet Services, Inc., Fort Worth, Tex. Oil well perforating and open hole shooting services. 59,734, June 3; Serial No. 599,793. Class 103.
West Bend Aluminum Co., West Bend, Wis. Aluminum, copper, and steel cooking utensils, serving humidors, pitchers, etc. 559,607, June 3; Serial No. 608,391, published Mar. 4, 1952. Class 13.
West Disinfecting Company, Long Island City, N. Y. Dispensers. 559,682, June 3; Serial No. 616,307, published Mar. 4, 1952. Class 13.
West India Oil Company, Bayonne, to Standard Oil Development Company, Linden, N. J. Illuminating oil. 85,532, re-renewed Feb. 20, 1952. O. G. June 3. Class 15.
Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md. X-ray apparatus. 559,562, June 3; Serial No. 602,791, published Mar. 4, 1952. Class 26.
White, Thomas A., doing business as The Pioneer Welding-Bit Works, Quanah, Tex. Bits for drilling wells. 559,617, June 3; Serial No. 609,671, published Jan. 8, 1952. Class 23.
Wilkinson, Fritz, Point Lookout, N. Y. Syndicated newspaper feature. 559,627, June 3; Serial No. 612,780, published Mar. 4, 1952. Class 38.
Williams, J. B., Company, The, Glastonbury, Conn. Shaving soap. 293,475, renewed Apr. 26, 1952. O. G. June 3. Class 51.
Womrath Bookshops and Libraries, Inc., New York, N. Y. Lending of books and publications. 559,704, June 3; Serial No. 583,224, published Mar. 11, 1952. Class 107.
Wood Conversion Company, St. Paul, Minn. Metal clips. 559,632, June 3; Serial No. 613,660, published Mar. 11, 1952. Class 13.
Wyeth Incorporated, Philadelphia, Pa. Medicinal pellet implanter. 559,664, June 3; Serial No. 615,470, published Mar. 11, 1952. Class 44.
X-Act Company: *See*—
Hardman, Florence M.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Baby turkeys. Ralston Purina Company. 559,497, June 3; Serial No. 557,068, published Feb. 19, 1952.
Cellulose sponges. O-Cel-O, Inc. 559,717, June 3; Serial No. 580,502.
Coal. Northern Illinois Coal Corporation. 559,678, June 3; Serial No. 616,239, published Mar. 11, 1952.
Coal. Seminole Coal Corporation. 559,679, June 3; Serial No. 616,248, published Mar. 11, 1952.
Coal. Sunlight Coal Company. 559,680, June 3; Serial No. 616,253, published Mar. 11, 1952.
Mink pelts and live minks. Northwood Fur Farms. 559,525, June 3; Serial No. 589,464, published Mar. 11, 1952.
Pitch, tar, and asphalt, asphaltic and tarry materials, etc. Allied Chemical & Dye Corporation. 559,563, June 3; Serial No. 602,872, published Feb. 19, 1952.
Rosin. Dixie Pine Products Company, Inc. 559,652, June 3; Serial No. 614,495, published Mar. 11, 1952.
Synthetic fiber. American Cyanamid Company. 559,674, June 3; Serial No. 616,072, published Mar. 11, 1952.

CLASS 2

Assembly for storing clothes and other personal effects comprising a basket, clothes hooks, etc. The Moore Company. 559,728, June 3; Serial No. 607,293.
Bags, Burlap and cotton grain and feed storage. Penn Bag & Burlap Company. 559,590, June 3; Serial No. 606,565, published Mar. 11, 1952.
Bags, Waterproof and moistureproof resealable. Anchor Plastics Company, Inc. 559,521, June 3; Serial No. 588,263, published Jan. 2, 1951.
Baskets, Wood, garment bags, shelf boxes, etc. W. & J. Sloane. 559,513, June 3; Serial No. 582,057, published Mar. 11, 1952.
Cartons. The Lord Baltimore Press. 559,501, June 3; Serial No. 567,525, published Mar. 11, 1952.
Coaster and snack plates, Combination. Alexander-Wilson Co. 559,649, June 3; Serial No. 614,394, published Mar. 11, 1952.
Coasters, Drinking glass. Bridgeport Moulded Products, Inc. 559,515, June 3; Serial No. 584,314, published Mar. 11, 1952.
Cups, Paper. Public Service Cup Company. 87,365, re-renewed July 9, 1952. O. G. June 3.
Dinnerware, Plastic. National Products Co. 559,677, June 3; Serial No. 616,238, published Mar. 11, 1952.
Dishes and trays. P. S. Donchian. 559,518, June 3; Serial No. 583,335, published Mar. 18, 1952.
Holders and dispensers, Metal. The Menasha Products Company. 293,387, renewed Apr. 19, 1952. O. G. June 3.
Receptacles, Plastic film. Plastic Film Products Corporation. 559,554–5, June 3; Serial Nos. 601,945–6, published Mar. 11, 1952.
Tanks, Large metal. The Guardite Corporation. 559,491, June 3; Serial No. 529,891, published Mar. 11, 1952.
Tanks, Refillable valved metallic. Oaks & Barrow, Inc. 559,520, June 3; Serial No. 588,180, published Mar. 11, 1952.

CLASS 4

Abrasive materials, Finely divided. Pangborn Corporation. 559,572, June 3; Serial No. 603,850, published Feb. 26, 1952.
Aluminum enamel, and automobile and furniture wax. J. A. Sewell. 559,720, June 3; Serial No. 592,669.
Blocks with abrasive surface for sanding. Black Panther Tool Company. 559,667, June 3; Serial No. 615,677, published Mar. 11, 1952.
Buffing wheels and buffing wheel sections. Duluth Buff Company. 559,573, June 3; Serial No. 604,193, published Mar. 4, 1952.
Buffs and buffing wheels. Advance Polishing Wheels, Inc. 559,613, June 3; Serial No. 608,906, published Mar. 11, 1952.
Liquid for cleaning, preserving, and polishing surfaces. Huntington Laboratories, Inc. 555,429, Feb. 26, 1952. Corrected. O. G. June 3.
Wax, Liquid floor. Hillyard Chemical Company. 295,832, renewed July 12, 1952. O. G. June 3.
Waxes. The Danbury Rubber Company, Inc. 559,584, June 3; Serial No. 605,998, published Mar. 11, 1952.

CLASS 5

Paste, Dry. Cook Paint & Varnish Company. 296,104, renewed July 26, 1952. O. G. June 3.

CLASS 6

Chemical blowing agent. United States Rubber Company. 559,669, June 3; Serial No. 615,865, published Mar. 11, 1952.
Chemical substance, Onyx Oil & Chemical Company. 559,675, June 3; Serial No. 616,117, published Mar. 11, 1952.
Chemicals. Neilson Chemical Company. 559,681, June 3; Serial No. 616,298, published Mar. 11, 1952.
Compound for reducing cold test and viscosity of oils. Standard Oil Development Company. 292,295, renewed Mar. 8, 1952. O. G. June 3.
Deodorant and air freshener. The Janalyn Laboratories, Inc. 559,567, June 3; Serial No. 603,193, published Mar. 11, 1952.
Dyes and dyestuffs. Althouse Chemical Company, Inc. 559,529, June 3; Serial No. 594,680, published Mar. 11, 1952.
Fire retardants. American Cyanamid Company. 559,647, June 3; Serial No. 614,329, published Mar. 11, 1952.
Impregnated pads. Artistic Beauty Products Company. 559,527, June 3; Serial No. 593,855, published Mar. 11, 1952.
Insecticides, germicides, and fungicides. California Spray-Chemical Corporation. 291,948, renewed Feb. 23, 1952. O. G. June 3.
Javal water. Linco Products Corporation. 296,042, renewed July 19, 1952. O. G. June 3.
Liquid composition for fixing pencil or ink lines on drawings, etc. B. K. Elliott Company. 292,253, renewed Mar. 8, 1952. O. G. June 3.
Preparation for increasing penetration and detergency action. Patek and Co. 559,672, June 3; Serial No. 615,993, published Mar. 11, 1952.
Rat repellent. S. A. Seline. 559,549, June 3; Serial No. 600,451, published Mar. 11, 1952.
Refrigerator deodorant. D. L. Mason. 559,522, June 3; Serial No. 588,764, published Mar. 11, 1952.
Starch. Clinton Foods Inc. 559,531, June 3; Serial No. 594,831, published Mar. 11, 1952.
Viscous composition. W. A. Cunningham. 559,534, June 3; Serial No. 596,332, published Mar. 11, 1952.

CLASS 7

Cord. The Dayton Rubber Company. 559,628, June 3; Serial No. 613,051, published Mar. 11, 1952.
Rope and lines. American Manufacturing Company. 559,661, June 3; Serial No. 615,432, published Mar. 11, 1952.

CLASS 12

Brick, Facing. General Shale Products Corp. 559,716, June 3; Serial No. 579,316.

Cement, Portland. The Associated Portland Cement Manufacturers, Limited. 290,752, Jan. 12, 1932. Republished June 3.
Cement, Portland. Dexter Portland Cement Co. 38,662, re-renewed July 22, 1952. O. G. June 3.
Cement, Refractory. Canadian Refractories Limited. 291,227, renewed Feb. 2, 1952. O. G. June 3.
Concrete gravel mix. The Carney Company, Inc. 559,612, June 3; Serial No. 608,859, published Feb. 12, 1952.
Flooring, Rubber. United States Rubber Company. 291,241, Feb. 2, 1932. Republished June 3.
Liquid, plastic base, filler. Minnesota Mining & Manufacturing Company. 559,533, June 3; Serial No. 595,387, published Feb. 19, 1952.
Metal doors, metal windows, and metal moldings. Kawneer Mfg. Co. 85,449, re-renewed Feb. 20, 1952. O. G. June 3.
Paper suitable for use in the manufacture of roofing. Brown Company. 295,779, renewed July 12, 1952. O. G. June 3.
Plywood. Harbor Plywood Corporation. 397,154, Aug. 25, 1942. Republished June 3.
Plywood. Harbor Plywood Corporation. 409,479, Oct. 10, 1944. Republished June 3.
Plywood. Harbor Plywood Corporation. 412,919, Apr. 3, 1945. Republished June 3.
Plywood. Harbor Plywood Corporation. 418,092, Dec. 4, 1945. Republished June 3.
Rockwool insulation, finish lime, wood window units, etc. Quality Materials Company. 559,509, June 3; Serial No. 608,474, published Feb. 19, 1952.
Sealing composition, Asphaltic. Wilbert W. Haase Co. 559,495, June 3; Serial No. 551,559, published Feb. 12, 1952.

CLASS 13

Aluminum cook-ware and gift-ware. The Enterprise Aluminum Company. 559,576, June 3; Serial No. 604,843, published Mar. 11, 1952.
Aluminum, copper, and steel cooking utensils, serving humidors, pitches, etc. West Bend Aluminum Co. 559,607, June 3; Serial No. 608,391, published Mar. 4, 1952.
Bathroom accessories and fittings and parts therefor. Naamlooze Vennootschap Kristal-, Glas-En Aardewerkfabrieken "De Sphinx" Voorheen Petrus Regout & Co. 559,492, June 3; Serial No. 540,436, published Mar. 4, 1952.
Beverage brewers. E. F. Riscock. 559,620, June 3; Serial No. 610,270, published Mar. 4, 1952.
Brass pipe and plumbing supplies. Scovill Manufacturing Company. 292,847, renewed Mar. 29, 1952. O. G. June 3.
Cabinet hardware. Washington Steel Products Inc. 559,559, June 3; Serial No. 602,533, published Mar. 4, 1952.
Conduits. Carter Products Corporation. 559,532, June 3; Serial No. 595,358, published Mar. 4, 1952.
Dispensers. West Disinfecting Company. 559,682, June 3; Serial No. 616,307, published Mar. 4, 1952.
Hose adapted to be connected to water pipe. Hancock Manufacturing, Inc. 559,714, June 3; Serial No. 577,715.
Metal clips. Wood Conversion Company. 559,632, June 3; Serial No. 613,660, published Mar. 11, 1952.
Metal gates. Keystone Steel and Wire Company. 86,714–15, re-renewed May 28, 1952. O. G. June 3.
Metal pans. United Aircraft Products, Inc. 559,506, June 3; Serial No. 574,171, published Mar. 4, 1952.
Metallic fence posts. Keystone Steel & Wire Company. 293,634, renewed May 3, 1952. O. G. June 3.
Plumbing equipment. American Sanitary Manufacturing Company. 559,619, June 3; Serial No. 609,710, published Mar. 4, 1952.
Spring clamps. S & S Industries, Inc. 559,519, June 3; Serial No. 587,974, published Mar. 11, 1952.
Tacks, nails, staples, etc., Wire and cut. Snell-Jones Tack Corporation. 559,711, June 3; Serial No. 577,231.
Tapered lip inserts for providing fastening means for securing bolts to plates and the like. Eckenbeck & Madden Co. 559,706, June 3; Serial No. 511,321.
Tire chains. The McKay Company. 557,006, Apr. 1, 1952. Corrected. O. G. June 3.
Washtubs in the form of permanent fixtures connected to a water system, etc. Paragon Utilities Corporation. 559,500, June 3; Serial No. 565,297, published Mar. 4, 1952.

CLASS 14

Electrodes. Knapp Mills Incorporated. 559,624, June 3; Serial No. 611,031, published Feb. 26, 1952.
Hot rolled bars and shapes, hot rolled sheets and strip, brass bars and shapes, etc. General Steel Warehouse Co., Inc. 559,699, June 3; Serial No. 619,879, published Feb. 26, 1952.
Steel. The Carpenter Steel Company. 559,698, June 3; Serial No. 618,680, published Feb. 26, 1952.

CLASS 15

Oil, Illuminating. West India Oil Company. 85,532, re-renewed Feb. 20, 1952. O. G. June 3.
Oils, Hydrocarbon motor fuel, lubricating oils, etc. The Pure Oil Company. 296,258, renewed Aug. 2, 1952. O. G. June 3.

CLASS 16

Enamels, ready-mixed paints, and varnishes. Standard Varnish Works. 87,942, re-renewed Aug. 13, 1952. O. G. June 3.
Coating, Corrosion resistant. Petrolite Corporation, Ltd. 559,523, June 3; Serial No. 588,767, published Dec. 18, 1951.
Paint, Exterior house, and paint primer. Forman, Ford and Co. 559,713, June 3; Serial No. 577,427.
Paints, Ready mixed. Seymour of Sycamore, Inc. 559,730, June 3; Serial No. 612,183.
Paints, Ready-mixed decorative and preservative. Denny, Hilborn & Rosenbach. 86,890–2, re-renewed June 11, 1952. O. G. June 3.
Varnishes, paints, lacquers, etc. Standard Varnish Works. 38,734, re-renewed Aug. 5, 1952. O. G. June 3.

CLASS 17

Chewing and smoking-tobacco. Bendixen Tobacco Co. 82,400, re-renewed June 27, 1952. O. G. June 3.

CLASS 18

Adrenocorticotropic compositions. Armour and Company. 559,641, June 3; Serial No. 614,126, published Jan. 15, 1952.
Anesthetic. Cook-Waite Laboratories, Inc. 559,637, June 3; Serial No. 614,041, published Jan. 15, 1952.
Antiseptic rubefacient. Bigelow-Clark, Inc. 559,635, June 3; Serial No. 613,967, published Jan. 15, 1952.
Composition of amphetamine hydrochloride, thyroid, atropine sulfate, etc. Vitamix Corporation. 559,565, June 3; Serial No. 603,031, published Jan. 15, 1952.
Liquid preparation for the treatment of the nose and throat. Stanco Incorporated. 291,455, renewed Feb. 9, 1952. O. G. June 3.
Medicinal preparation. Staley Milling Company. 559,601, June 3; Serial No. 607,881, published Jan. 15, 1952.
Medicinal preparation. Joseph Triner Corporation. 291,946, renewed Feb. 23, 1952. O. G. June 3.
Medicine used as a sedative and antispasmodic. Dr. J. Gesteira, Inc. 559,721, June 3; Serial No. 593,981.
Penicillin salt. Commercial Solvents Corporation. 559,636, June 3; Serial No. 613,972, published Jan. 15, 1952.
Preparation of hypophosphites. Fellows Medical Manufacturing Company, Inc. 559,544, June 3; Serial No. 598,991, published Jan. 15, 1952.
Tablets for the relief of headache, neuralgia, and pains. Chicago Pharmacal Company. 339,593, Oct. 13, 1936. Republished June 3.

CLASS 19

Vehicles, Motor driven. General Motors Corporation. 293,706, renewed May 3, 1952. O. G. June 3.
Warehouse-trucks, Steel. Illinois Iron & Bolt Co. 87,342, re-renewed July 9, 1952. O. G. June 3.

CLASS 21

Electrical cable. The American Steel and Wire Company of New Jersey. 553,468–9, Jan. 15, 1952. Corrected. O. G. June 3.

CLASS 22

Doll carriages, doll coaches, doll strollers, etc. Thayer, Inc. 559,722, June 3; Serial No. 596,305.
Dolls. Ideal Novelty & Toy Co. 296,462, renewed Aug. 9, 1952. O. G. June 3.
Dolls. La Celi Industries, Inc. 559,723, June 3; Serial No. 600,836.
Game, Board. Parker Brothers, Inc. 296,452, renewed Aug. 9, 1952. O. G. June 3.
Puzzles, Jigsaw. J. Frechtmann. 559,724, June 3; Serial No. 601,208.
Toy Pistols. Parris Mfg. Co. 559,733, June 3; Serial No. 615,284.

CLASS 23

Adze eye hammer handles, ash pit scoops, auger bits, etc. Masback Incorporated. 559,498, June 3; Serial No. 561,843, published Feb. 26, 1952.
Automobile exhaust deflectors. Peters & Russell, Inc. 559,524, June 3; Serial No. 589,389, published Feb. 19, 1952.
Bits for drilling wells. T. A. White. 559,617, June 3; Serial No. 609,671, published Jan. 8, 1952.
Bucket conveyor apparatus. Beaumont Birch Company. 559,684, June 3; Serial No. 616,539, published Feb. 19, 1952.
Butter spreader. Restaurant Products. 559,595, June 3; Serial No. 606,981, published Jan. 1, 1952.
Clutches and parts thereof, clutch plates, coil springs, etc. Accurate Parts Manufacturing Company. 291,003, renewed Jan. 26, 1952. O. G. June 3.
Crankshaft finishing machines and parts thereof. Storm-Vulcan, Inc. 559,580, June 3; Serial No. 605,563, published Mar. 11, 1952.
Drill chucks, tapping attachments, and automatic bar stock holding chucks. American Machine and Foundry Company. 559,499, June 3; Serial No. 564,919, published Jan. 29, 1952.

Grinders, Brake shoe, valve tappet grinders, valve tappet screw grinders, etc. Ammco Tools, Inc. 559,657, June 3; Serial No. 614,979, published Mar. 4, 1952.
High pressure distillate and gas separators. National Tank Company. 559,614, June 3; Serial No. 609,095, published Feb. 26, 1952.
Hog feed and overhead conveyor type litter carriers, rotary wheel hog oilers, milking machines, etc. Sears, Roebuck and Co. 559,509, June 3; Serial No. 576,593, published Feb. 19, 1952.
Knives, Pocket, hunting knives, meat, fruit and butter knives, etc. W. Spratling. 559,564, June 3; Serial No. 602,922, published Jan. 8, 1952.
Machines with which to wrap cylindrical objects with material in tape form. A. E. Betzel Engineering Company. 559,561, June 3; Serial No. 602,731, published Jan. 8, 1952.
Pneumatic horns. Howard Foundry Company. 559,542, June 3; Serial No. 598,797, published Jan. 8, 1952.
Razor blades. Institutional Products Corporation. 559,648, June 3; Serial No. 614,349, published Mar. 11, 1952.
Rubber covered rollers. United States Rubber Company. 292,957, Mar. 29, 1932. Republished June 3.
Sewing machines and attachments therefor. D. B. Harrell. 559,502, June 3; Serial No. 569,379, published Jan. 15, 1952.
Shears, Pinking, scissors, cutlery knives, etc. L. Batlin & Son, Inc. 559,625, June 3; Serial No. 611,633, published Feb. 5, 1952.
Shovels, Turn. The Empire Plow Company. 559,496, June 3; Serial No. 551,957, published Feb. 19, 1952.
Slitting wheel assembly. Cameron Machine Company. 559,528, June 3; Serial No. 594,100, published Jan. 8, 1952.
Threading dies. The Ridge Tool Company. 559,585, June 3; Serial No. 606,052, published Jan. 8, 1952.
Tire pumps, Hand-operated. Chase Brass & Copper Co. Incorporated. 559,548, June 3; Serial No. 600,371, published Feb. 19, 1952.
Tools. Palmer Wellock Tool Corporation. 559,630, June 3; Serial No. 613,343, published Feb. 5, 1952.
Tools. Utility Tools Inc. 559,516, June 3; Serial No. 584,646, published Mar. 4, 1952.
Tools, Cutting, cutting tool tips, cutting tool tip blanks, etc. Edibrac Limited. 559,582, June 3; Serial No. 605,650, published Feb. 19, 1952.
Tools, tool bits, drills, etc. Aktiebolaget Bofors. 559,646, June 3; Serial No. 614,328, published Mar. 4, 1952.
Vapor pressure cleaning machines and water vapor generators, Combined mechanical. Homestead Valve Manufacturing Company. 292,074, renewed Mar. 1, 1952. O. G. June 3.
Vending machines, Coin controlled, electrically operated. Chef-Way, Inc. 559,571, June 3; Serial No. 603,663, published Jan. 8, 1952.
Wire, barb wire and wire fence stretchers. Keystone Steel and Wire Company. 86,598, rerenewed May 21, 1952. O. G. June 3.
Worms and gears. The Timken-Detroit Axle Company. 559,707, June 3; Serial No. 546,805.

CLASS 26

Aircraft instruments. Aviation Engineering Corporation. 559,644, June 3; Serial No. 614,235, published Mar. 4, 1952.
Blood testing apparatus. Morris Instrument Corporation. 559,660, June 3; Serial No. 615,339, published Feb. 12, 1952.
Calculating apparatus. Arma Corporation. 559,662, June 3; Serial No. 615,435, published Feb. 26, 1952.
Calculators. Formulator, Inc. 559,688, June 3; Serial No. 617,024, published Feb. 12, 1952.
Diagnostic kits. Ames Company, Inc. 559,650, June 3; Serial No. 614,418, published Jan. 22, 1952.
Eye-glass frames and the containers or receptacles for such eyeglass frames. American Zyloptic Co., Inc. 559,639, June 3; Serial No. 614,077, published Feb. 12, 1952.
Gauge operating electrically. Reinhart & Company. 559,629, June 3; Serial No. 613,085, published Jan. 22, 1952.
Gauges, Vacuum, and recording vacuum gauges. F. J. Stokes Machine Company. 559,570, June 3; Serial No. 603,359, published Mar. 4, 1952.
Internal combustion engine operation and efficiency indicator. Alemite Company. 559,598, June 3; Serial No. 607,276, published Mar. 4, 1952.
Live line ammeter. E. O. Schweitzer Manufacturing Co., Inc. 559,618, June 3; Serial No. 609,703, published Jan. 22, 1952.
Mathematical computing devices. K. A. Blom. 559,556, June 3; Serial No. 602,189, published Jan. 22, 1952.
Measuring instruments and indicators, Weather. A. Davis. 559,514, June 3; Serial No. 583,679, published Mar. 4, 1952.
Mechanical and electrical machine into which data is fed, etc. Telecomputing Corporation. 559,670, June 3; Serial No. 615,914, published Feb. 12, 1952.
Motion picture films, Series of different. Paramount Publix Corporation. 293,361, renewed Apr. 19, 1952. O. G. June 3.
Motion picture photoplays, Series of. Walter Lantz Productions, Inc. 559,671, June 3; Serial No. 615,984, published Jan. 22, 1952.
Photographic apparatus. Graflex, Inc. 559,503, June 3; Serial No. 571,210, published Jan. 29, 1952.
Photographic film. M. H. Tracy. 559,512, June 3; Serial No. 578,297, published Jan. 22, 1952.
Rules, Slide. Acu-Rule Manufacturing Company. 559,602, June 3; Serial No. 608,051, published Mar. 4, 1952.
Spark plug cleaner and tester. Bowes "Seal-Fast" Corporation. 559,504, June 3; Serial No. 573,526, published Feb. 5, 1952.
Switches, Thermally operated. W. N. Matthews Corporation. 559,605, June 3; Serial No. 608,319, published Feb. 26, 1952.
Switches, Thermally operated. W. N. Matthews Corporation. 559,606, June 3; Serial No. 608,366, published Feb. 26, 1952.
X-ray apparatus. Westinghouse Electric Corporation. 559,562, June 3; Serial No. 602,791, published Mar. 4, 1952.

CLASS 28

Bracelets, brooches, and other jewelry, etc. Georg Jensen Handmade Silver Inc. 292,638, renewed Mar. 22, 1952. O. G. June 3.
Bracelets, brooches, and other jewelry, etc. Georg Jensen Handmade Silver Inc. 293,530, renewed Apr. 26, 1952. O. G. June 3.
Flatware and hollowware, Sterling silver. The Elmore Silver Co., Inc. 559,545, June 3; Serial No. 599,425, published Jan. 22, 1952.

CLASS 30

Dinnerware, tableware, kitchenware, etc. L. Batlin & Son, Inc. 559,541, June 3; Serial No. 598,519, published Jan. 22, 1952.

CLASS 32

Cribs, cradles, chairs, etc. Gem Crib & Cradle Co. 292,000, renewed Mar. 1, 1952. O. G. June 3.

CLASS 33

Glassware. Imperial Glass Corporation. 559,622–3, June 3; Serial Nos. 610,846–7, published Jan. 22, 1952.

CLASS 35

Machinery packing. New York Belting & Packing Co. Ltd. 85,828, Mar. 19, 1912. Republished June 3.
Packing. Sea-Ro Packing Company, Incorporated. 559,673, June 3; Serial 616,053, published Mar. 4, 1952.
Rubber patches. Bowes "Seal-Fast" Corporation. 559,526, June 3; Serial No. 590,350, published Mar. 4, 1952.

CLASS 36

Talking-machines, talking-machine parts, talking-machine accessories, etc. Victor Talking Machine Company. 84,199, rerenewed Nov. 14, 1951. O. G. June 3.

CLASS 37

Desk sets (desk stands and holders). The Parker Pen Company. 294,284, renewed May 24, 1952. O. G. June 3.
Paper, Brown Company. 293,744, renewed May 3, 1952. O. G. June 3.
Paper, Brown Company. 295,975, renewed July 19, 1952. O. G. June 3.
Paper-like material, Transparent sheets of. Package Paper Company. 291,910, renewed Feb. 23, 1952. O. G. June 3.
Paper, Toilet. Menasha Products Co. 292,504, renewed Mar. 15, 1952. O. G. June 3.
Paper towels and paper napkins. Japanese Tissue Mills. 85,354, rerenewed Feb. 13, 1952. O. G. June 3.
Paper, Waxed and unwaxed, paper tablecloths, paper napkins, etc. The Menasha Products Company. 291,790, renewed Feb. 23, 1952. O. G. June 3.
Pens. The Esterbrook Steel Pen Manufacturing Co. 38,498, rerenewed June 24, 1952. O. G. June 3.
Wrappers, Gift, doilies, and table covers. Package Paper Company. 292,637, renewed Mar. 22, 1952. O. G. June 3.

CLASS 38

Advertising displays. Berger-Amour Studios. 559,608, June 3; Serial No. 608,406, published Mar. 4, 1952.
Booklets, pamphlets, or leaflets. Allied Chemical & Dye Corporation. 559,692, June 3; Serial No. 617,525, published Mar. 4, 1952.
Booklets, Travel. Trip Teaser Productions. 559,580, June 3; Serial No. 606,558, published Feb. 26, 1952.
Cartoons, Series of. Tribune Company. 559,695, June 3; Serial No. 618,014, published Mar. 11, 1952.
Charts. Becton, Dickinson and Company. 559,517, June 3; Serial No. 586,584, published Mar. 11, 1952.
Christmas cards. H. S. Crocker Co., Inc. 559,685, June 3; Serial No. 616,545, published Mar. 11, 1952.
Column in a newspaper. The Washington Post Company. 559,694, June 3; Serial No. 617,828, published Mar. 4, 1952.
Feature column of a newspaper. Globe Democrat Publishing Company. 559,690, June 3; Serial No. 617,398, published Mar. 4, 1952.
Greeting cards and printed wall calendars. C. F. Sormani. 559,658, June 3; Serial No. 614,997, published Feb. 26, 1952.

Greeting cards, Christmas cards, birth announcements, etc. Sears, Roebuck and Co. 559,640, June 3; Serial No. 614,108, published Feb. 26, 1952.
Magazine. Basic Publications, Inc. 559,725, June 3; Serial No. 601,419.
Magazine, Fiction story. Columbia Publications, Inc. 559,505, June 3; Serial No. 574,017, published Feb. 26, 1952.
Magazine, Monthly. Macfadden Publications, Inc. 559,546, June 3; Serial No. 599,832, published Feb. 26, 1952.
Magazine, Monthly. William Stevens, Ltd. 559,588, June 3; Serial No. 606,444, published Feb. 26, 1952.
Newspaper. William B. Collins Company. 559,665–6, June 3; Serial Nos. 615,481–2, published Feb. 26, 1952.
Newspaper and magazine copy material. Editors Press Service, Inc. 559,615, June 3; Serial No. 609,402, published Feb. 26, 1952.
Newspaper cartoons, Series of The Time-Mirror Company. 559,642–3, June 3; Serial Nos. 614,176–7, published Feb. 26, 1952.
Newspaper column. New York Herald Tribune Inc. 559,634, June 3; Serial No. 613,853, published Feb. 26, 1952.
Newspaper column or columns. Fairchild Publications, Inc. 559,654, June 3; Serial No. 614,546, published Mar. 4, 1952.
Newspaper feature, Syndicated. F. Wilkinson. 559,627, June 3; Serial No. 612,780, published Mar. 4, 1952.
Periodical. The Christian Science Publishing Society. 559,659, June 3; Serial No. 615,269, published Feb. 26, 1952.
Periodical, Monthly. General Teleradio, Inc. 559,645, June 3; Serial No. 614,297, published Feb. 26, 1952.
Periodical publication section. The Irving-Cloud Publishing Company. 559,697, June 3; Serial No. 618,431, published Mar. 11, 1952.
Periodicals. Barclay Manufacturing Company, Inc. 559,510, June 3; Serial No. 576,841, published Feb. 26, 1952.
Portraits, Colored. Sleepy Hollow Craftsmen, Inc. 559,676, June 3; Serial No. 616,191, published Mar. 4, 1952.
Printed labels. Miller and Miller, Inc. 559,689, June 3; Serial No. 617,155, published Feb. 26, 1952.
Publication, Monthly. The Photographers' Association of America. 559,578, June 3; Serial No. 605,278, published Mar. 4, 1952.
Publication, Periodical. P. B. Martin. 559,530, June 3; Serial No. 594,720, published Feb. 26, 1952.
Publications, Monthly. Industry Publications, Inc. 559,696, June 3; Serial No. 618,295, published Mar. 11, 1952.
Publications, Periodical. Bulletin Company. 559,494, June 3; Serial No. 551,520, published Mar. 4, 1952.
Publications, Printed. Educational Testing Service. 559,686, June 3; Serial No. 616,701, published Feb. 26, 1952.
Set of reference books. The Child's World, Inc. 559,691, June 3; Serial No. 617,489, published Mar. 4, 1952.
Trading stamps. A. M. Smith. 559,693, June 3; Serial No. 617,733, published Mar. 11, 1952.
Transfer decorations. F. Hart. 559,683, June 3; Serial No. 616,316, published Mar. 4, 1952.

CLASS 39

Boots and shoes. International Shoe Co. 295,329, renewed June 28, 1952. O. G. June 3.
Boots and shoes. Roberts, Johnson & Rand Shoe Co. 38,440, re-renewed June 17, 1952. O. G. June 3.
Boots and shoes. Roberts, Johnson & Rand Shoe Co. 38,451, re-renewed June 17, 1952. O. G. June 3.
Boots and shoes, Leather and fabric. Richards & Brennan Co. 290,816, Jan. 19, 1932. Republished June 3.
Boots, shoes, gaiters, etc. Church & Company Limited. 290,411, Jan. 5, 1932. Republished June 3.
Clothing. Alfred Decker & Cohn, Inc. 295,461, renewed July 5, 1952. O. G. June 3.
Clothing, Men's. Roger Kent, Inc. 559,575, June 3; Serial No. 604,305, published Mar. 11, 1952.
Clothing, Women's, men's, and children's. Plymouth Wholesale Dry Goods Corporation. 559,687, June 3; Serial No. 616,922, published Mar. 11, 1952.
Dresses, coats, hats, and shoes, Women's. Maurice L. Rothschild, Incorporated. 291,748, renewed Feb. 23, 1952. O. G. June 3.
Dresses, Misses' and women's. Boris Smoler & Sons, Inc. 559,668, June 3; Serial No. 615,861, published Mar. 11, 1952.
Footwear, Waterproof and canvas rubber-soled. The Beacon Falls Rubber Shoe Company. 291,884, Feb. 23, 1932. Republished June 3.
Gloves, Work. Davids Gloves, Inc. 559,626, June 3; Serial No. 612,486, published Mar. 11, 1952.
Hats, Men's. Adam Hat Stores, Inc. 292,694, renewed Mar. 22, 1952. O. G. June 3.
Heels and soles, Rubber. Revere Rubber Company. 85,289, Feb. 6, 1912. Republished June 3.
Hosiery. Chas. Chipman's Sons Co., Inc. 559,651, June 3; Serial No. 614,489, published Mar. 11, 1952.
Hosiery. Getzel Sales Company. 59,547, June 3; Serial No. 599,940, published Mar. 11, 1952.
Hosiery. Chester H. Roth Co., Inc. 546,823, Aug. 21, 1951. New certificate. O. G. June 3.
Hosiery and slippers. Butler's, Inc. 559,603, June 3; Serial No. 608,656, published Mar. 11, 1952.
Hosiery, Men's, women's, boys', and girls'. Chester H. Roth Co., Inc. 559,591–4, June 3; Serial Nos. 606,952–5, published Mar. 11, 1952.
Hosiery, Women's. M. K. M. Hosiery Mills, Inc. 559,616, June 3; Serial No. 609,489, published Mar. 11, 1952.
Lingerie, Ladies'. B. Schön. 559,539, June 3; Serial No. 597,234, published Mar. 11, 1952.
Lingerie, Women's and misses'. Juliana Lingerie, Inc. 559,663, June 3; Serial No. 615,455, published Mar. 11, 1952.
Overcoats and topcoats. Alfred Decker & Cohn, Inc. 295,122, renewed June 21, 1952. O. G. June 3.
Overcoats and topcoats, and coats. Alfred Decker & Cohn, Inc. 295,123, renewed June 21, 1952. O. G. June 3.
Shirts, Dress negligee, and work, blouses, etc. Neisner Brothers, Inc. 296,481, renewed Aug. 9, 1952. O. G. June 3.
Stockings and socks. Keystone Knitting Mills (1928) Limited. 559,610, June 3; Serial No. 608,550, published Mar. 11, 1952.
Suits, coats, and dresses, Women's and misses'. Lord's Sportwear, Inc. 559,507, June 3; Serial No. 575,216, published Mar. 11, 1952.
Sweaters, Men's and women's, and women's skirts. Lyle & Scott Ltd. 559,538, June 3; Serial No. 597,036, published Mar. 11, 1952.
Underwear, Ladies'. Julius Kayser & Co. 293,540, Apr. 26, 1932. Republished June 3.
Underwear, Men's, women's, and children's. Walter W. Moyer Company. 559,553, June 3; Serial No. 601,508, published Mar. 11, 1952.
Underwear, Women's, misses', and children's. J. C. Penney Company. 292,573, renewed Mar. 15, 1952. O. G. June 3.
Wearing apparel, Men's, women's, children's, and infants'. Stevens & Pedley Limited. 559,586, June 3; Serial No. 606,059, published Mar. 11, 1952.

CLASS 40

Combs. S. Hoffman. 291,622, renewed Feb. 23, 1952. O. G. June 3.

CLASS 42

Blankets. Combined Laundries, Inc. 291,772, renewed Feb. 23, 1952. O. G. June 3.
Lace in the piece. Liberty Lace and Netting Works. 294,260, renewed May 24, 1952. O. G. June 3.
Piece goods. Courtaulds, Limited. 299,342, Nov. 29, 1932. Republished June 3.
Sheets, sheetings, pillow-cases, etc. Utica Steam and Mohawk Valley Cotton Mills. 87,383–4, re-renewed July 9, 1952. O. G. June 3.

CLASS 43

Cellulose filaments limited in length and supplied in untwisted form for all spinning purposes. Courtaulds, Limited. 237,082, Jan. 3, 1928. Republished June 3.

CLASS 44

Artificial teeth. H. D. Justi & Son, Inc. 559,557–8, June 3; Serial Nos 602,203–4, published Mar. 11, 1952.
Cotton garments especially adapted for hospital use. Will Ross, Inc. 559,633, June 3; Serial No. 613,782, published Mar. 11, 1952.
Dispensing closures for sterile liquid containers. Mead Johnson & Company. 559,611, June 3; Serial No. 608,798, published Mar. 11, 1952.
Knife for paring human corns. R. F. Pendergast. 559,604, June 3; Serial No. 608,286, published Mar. 11, 1952.
Manicure implements. S. Hoffman. 289,931, renewed Dec. 15, 1951. O. G. June 3.
Medicinal pellet implanter. Wyeth Incorporated. 559,664, June 3; Serial No. 615,470, published Mar. 11, 1952.
Nasal catheters, stomach tubes, rectal tubes, etc. Baxter Laboratories, Inc. 559,700, June 3; Serial No. 620,383, published Feb. 26, 1952.
Tampons, Sanitary absorbent. The Tampex, Inc. 294,959, renewed June 14, 1952. O. G. June 3.

CLASS 45

Beverages, etc., Carbonated and still non-alcoholic. American Beverage Co. 291,508, renewed Feb. 9, 1952. O. G. June 3.
Beverages, Carbonated, nonalcoholic, noncereal, maltless. K. Heinrichs. 286,487, re-renewed Sept. 1, 1951. O. G. June 3.

CLASS 46

Bread crumbs. C. A. Gerber. 559,715, June 3; Serial No. 577,788.
Candy. Honeycrisp Health Candy Co. 291,114, renewed Jan. 26, 1952. O. G. June 3.
Candy. Safeway Stores, Incorporated. 559,727, June 3; Serial No. 607,196.
Candy cigarettes. Sylvan Sweets Co. 559,537, June 3; Serial No. 596,957, published Feb. 26, 1952.

Canned beets. Safeway Stores, Incorporated. 559,726, June 3; Serial No. 604,664.
Canned salmon. Hawk Fish Company. 85,746, re-renewed Mar. 12, 1952. O. G. June 3.
Canned vegetables juices, canned vegetables, canned vegetables for babies, etc. National Retailer-Owned Grocers, Inc. 559,719, June 3; Serial No. 583,278.
Cheese. New Yorker Cheese Company. 559,543, June 3; Serial No. 598,805, published Apr. 10, 1951.
Coffee. The Great Atlantic and Pacific Tea Company. 87,622, re-renewed July 30, 1952. O. G. June 3.
Coffee. Wakefield Coffee Co. of California. 559,655, June 3; Serial No. 614,640, published Mar. 11, 1952.
Dates, Fresh. California Date Growers Association. 559,508, June 3; Serial No. 575,247, published Sept. 5, 1950.
Eggs, Fresh. C. W. Kircher. 559,710, June 3; Serial No. 570,779.
Flour, Self-rising wheat. Southeastern Mills, Inc. 559,709, June 3; Serial No. 560,362.
Flour, Wheat. The Colorado Milling & Elevator Co. 257,336, June 4, 1929. Restricted. O. G. June 3.
Flour, Wheat. Standard Milling Company. 559,621, June 3; Serial No. 610,719, published Feb. 26, 1952.
Foods, Cereal breakfast. Foodtown Kitchens, Inc. 293,727, renewed May 3, 1952. O. G. June 3.
Fruits and vegetables, Fresh. The Kroger Co. 559,732, June 3; Serial No. 615,225.
Fruits, Fresh citrus. A. M. Beattie. 559,731, June 3; Serial No. 612,432.
Fruits, Fresh citrus. The Villa Park Orchards Association. 559,511, June 3; Serial No. 577,241, published Mar. 11, 1952.
Grapes, Fresh. Mecca Growers Association. 559,493, June 3; Serial No. 547,468, published Jan. 9, 1951.
Ground beef extender. W. S. Bowen. 559,656, June 3; Serial No. 614,747, published Mar. 11, 1952.
Ham, pork shoulder picnic, pork shoulder butt, etc. The Rath Packing Company. 559,600, June 3; Serial No. 607,528, published Mar. 11, 1952.
Liver and bacon sausage, braunschweiger, and Gee liverwurst. Weisel & Co., Inc. 559,581, June 3; Serial No. 605,621, published Mar. 11, 1952.
Mayonnaise and French dressing. Nalley's, Inc. 295,212, renewed June 21, 1952. O. G. June 3.
Mayonnaise, Thousand Island dressing, salad dressing, etc. Nalley's, Inc. 295,211, renewed June 21, 1952. O. G. June 3.
Milk, Fluid. City Milk Company, Inc. 559,535, June 3; Serial No. 596,835, published Apr. 10, 1951.
Mustard, Prepared. C. Boubli. 559,596, June 3; Serial No. 607,154, published Mar. 11, 1952.
Oranges and lemons. Johnston Fruit Company. 87,635, re-renewed July 30, 1952. O. G. June 3.
Oysters. Cedar Island Oyster Company. 296,172, renewed July 26, 1952. O. G. June 3.
Pickles, Dill, sweet pickles, sauerkraut, etc. The Silver Lane Pickle Company. 559,566, June 3; Serial No. 603,084, published Mar. 11, 1952.
Poultry, Dressed. Hartford Live Poultry. 559,718, June 3; Serial No. 582,685.
Salad dressing. G. P. Gundlach & Co., Inc. 559,597, June 3; Serial No. 607,250, published Feb. 26, 1952.
Salad dressing. Nalley's, Inc. 292,577, renewed Mar. 15, 1952. O. G. June 3.
Sausage. Armour and Company. 559,574, June 3; Serial No. 604,251, published Mar. 11, 1952.
Stabilizers for ice cream. Swift & Company. 559,638, June 3; Serial No. 614,071, published Mar. 11, 1952.

CLASS 49

Whiskey. L. Motlow. 314,108, June 19, 1934. New certificate. O. G. June 3.
Whiskey. L. Motlow. 323,914, May 7, 1935. New certificate. O. G. June 3.
Whiskey. L. Motlow. 362,813, Nov. 29, 1938. New certificate. O. G. June 3.
Whiskies. J. Daniel. 42,663, May 24, 1904. New certificate. O. G. June 3.
Whisky. J. Daniel. 44,460, July 4, 1905. New certificate. O. G. June 3.
Whisky, Straight. J. Daniel. 75,469, Oct. 5, 1909. New certificate. O. G. June 3.

CLASS 50

Pallets. Southern Lumber & Manufacturing Co. 559,631, June 3; Serial No. 613,531, published Mar. 11, 1952.
Table pads. Garten Table Pad Company, Inc. 559,653, June 3; Serial No. 614,499, published Mar. 11, 1952.

CLASS 51

Cologne essence. F. Denney. 559,587, June 3; Serial No. 606,137, published Feb. 19, 1952.
Cream foundation. V. Farrell. 559,708, June 3; Serial No. 560,197.
Crystalline chemical preparations for use in cosmetic creams. Aktiebolaget Bofors. 559,552, June 3; Serial No. 600,939, published Feb. 19, 1952.
Face powders. Germaine Monteil Cosmetiques Corporation. 559,536, June 3; Serial No. 596,910, published Feb. 12, 1952.
Lotions, Foot. Lanmark Company. 559,712, June 3; Serial No. 577,331.
Personal deodorant. Peoples Drug Stores, Inc. 559,729, June 3; Serial No. 608,434.
Soap, Shaving. The J. B. Williams Company. 293,475, renewed Apr. 26, 1952. O. G. June 3.
Toothpaste. Greater Enterprises Co. 559,599, June 3; Serial No. 607,385, published Feb. 19, 1952.

CLASS 52

Cleaner, General purpose household. Church & Dwight Co., Inc. 559,560, June 3; Serial No. 602,674, published Feb. 26, 1952.
Cleaning cream, Household. F. M. Hardman. 559,577, June 3; Serial No. 605,096, published Feb. 26, 1952.
Cleaning material for removing wax and dirt. The Danbury Rubber Company, Inc. 559,579, June 3; Serial No. 605,300, published Mar. 11, 1952.
Cleansing fluid. Stanco Incorporated. 292,002, renewed Mar. 1, 1952. O. G. June 3.
Cleansing preparation, Soapless. Panther Oil & Grease Mfg. Co. 559,550–1, June 3; Serial Nos. 600,689–90, published Feb. 26, 1952.
Compound for removing rust and scale from radiators, etc. Bowes "Seal-Fast" Corporation. 559,568, June 3; Serial No. 603,434, published Oct. 30, 1951.
Detergents. Beach Soap Company. 295,530, renewed July 5, 1952. O. G. June 3.
Shampoos. E. Schueller. 559,540, June 3; Serial No. 597,934, published Feb. 19, 1952.
Silicone base cleaning wax preparation. Jetron Company. 559,583, June 3; Serial No. 605,745, published Feb. 26, 1952.
Soap, Toilet. A. Bourjois & Co., Inc. 120,245, Jan. 29, 1918. New certificate. O. G. June 3.
Washing compound, Bottle. The Diversey Corporation. 559,569, June 3; Serial No. 603,476, published Mar. 11, 1952.

CLASS 100

Designing of fashions. C. M. Harris. 559,705, June 3; Serial No. 614,202, published Mar. 11, 1952.
Engineering and research services. Airborne Instruments Laboratory, Inc. 552,069, Dec. 11, 1951. Corrected. O. G. June 3.
Photographing of children. J. P. Briggs. 559,702, June 3; Serial No. 581,402, published Mar. 11, 1952.
Preparing and supplying, at the locality of its use, reagent gas, etc. Novadel-Agene Corporation. 559,703, June 3; Serial No. 581,561, published Mar. 11, 1952.

CLASS 103

Oil well perforating and open hole shooting services. Welex Jet Services, Inc. 559,734, June 3; Serial No. 599,793.

CLASS 107

Entertainment service. Buffalo Evening News, Inc. 559,701, June 3; Serial No. 548,715, published Mar. 11, 1952.
Lending of books and publications. Womrath Bookshops and Libraries, Inc. 559,704, June 3; Serial No. 583,224, published Mar. 11, 1952.

LIST OF PLANT PATENTEES

Schilt, James G., near Fallbrook, Calif. Chamaelaucium plant. 1,101, June 3.

LIST OF DESIGN PATENTEES

Ahlbin, John, Fairfield, Conn. Pair of shears. 166,899, June 3.
Aladdin Industries, Incorporated, assignee: *See*—
Schwarz, Eugene.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Pocket knife. 166,900, June 3.
Bard-Parker Company, Inc., assignee: *See*—
Arden, Thomas R.
Bjorncrantz, Carl G., Evanston, assignor to Sears, Roebuck and Co., Chicago, Ill. Desk or similar article. 166,901, June 3.
Blecher, Boris, Philadelphia, Pa. Ash tray. 166,902, June 3.
Blecher, Boris, Philadelphia, Pa. Ash tray. 166,903, June 3.
Bridges, Thomas A., Jersey City, N. J. Protective suit. 166,904, June 3.
Bunting Glider Company, assignee: *See*—
Goldberg, Aaron S.
Canonsburg Pottery Company, assignee: *See*—
Slobodkin, Simon H.
Coates, Sydney N., Seattle, Wash. Draftsman's instrument. 166,905, June 3.
Collins, Harry J., assignor to David White Company, Milwaukee, Wis. Stereoscopic viewer. 166,906, June 3.
Collins, Harry J., assignor to David White Company, Milwaukee, Wis. Stereoscopic viewer. 166,907, June 3.
Columbus Plastic Products, Inc., assignee: *See*—
Roop, Nathan W.
Ducey, Francis E., Phoenix, Ariz. Child's chair. 166,908, June 3.
Easterling China Company, assignee: *See*—
Wagner, Franz.
Erving Paper Mills, assignee: *See*—
Gould, Ruth.
Feder, William M., New York, N. Y. Embossed plastic sheet or similar article. 166,909, June 3.
Gibson Refrigerator Company, assignee: *See*—
Janes, Richard B.
Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Reclining chair frame. 166,910, June 3.
Gould, Ruth, Bedminster, N. J., assignor to Erving Paper Mills. Embossed paper napkin or the like. 166,911, June 3.
Hardman, Rena B., Los Angeles, Calif. Overshoe. 166,912, June 3.
Hayes, Bernard L., Asheville, N. C. Game board. 166,913, June 3.
Hepner, Morton, New York, N. Y. Handle for a spoon, fork, or similar article. 166,914, June 3.
International Harvester Company, assignee: *See*—
Koeber, Theodore H.
Iwaniec, Mary J., Bartow, Fla. Collar or the like. 166,915, June 3.
Janes, Richard B., Baldwin Lake, Greenville, assignor to Gibson Refrigerator Company, Greenville, Mich. Handle for a refrigerator door latch. 166,916, June 3.
Koeber, Theodore H., Oak Park, Ill., assignor to International Harvester Company. Textile fabric or similar article. 166,917, June 3.
Kramer, George J., Bristol, Conn. Seat cover. 166,918, June 3.
Kwiatkowski, Jacob S., Toledo, Ohio. Combined bottle cap and screw driver. 166,919, June 3.
Laughlin, Clayton A., Minneapolis, assignor to Northwest Plastics, Incorporated, St. Paul, Minn. Fly swatter. 166,920, June 3.
McCann, Clyde D., Des Moines, Iowa. Housing for odor-oxidizing ozone lamp. 166,921, June 3.
Meisel, Murray A.: *See*—
Secofsky, Abraham, Meisel, and Zalman.
Nelmor Corporation, assignee: *See*—
Nelson, Dwight M.
Nelson, Dwight M., Chicago, Ill., assignor to Nelmor Corporation. Automobile rearview mirror. 166,922, June 3.
Northwest Plastics, Incorporated, assignee: *See*—
Laughlin, Clayton A.
Phillippi, Glen K., Moscow, Idaho. Highway warning sign. 166,923, June 3.
Puro Co., Inc., The, assignee: *See*—
Saeks, Alvin L.
Roller, Donald C., Detroit, Mich. Magnetic cigarette holder. 166,924, June 3.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Flower pot or similar article. 166,925, June 3.
Rose, Henry, New York, N. Y. Textile fabric. 166,926, June 3.
Saeks, Alvin L., Clayton, assignor to The Puro Co., Inc., St. Louis, Mo. Moth repellent container or the like. 166,927, June 3.
Sarna, Sajjan S., New York, N. Y. Bell. 166,928, June 3.
Sarna, Sajjan S., New York, N. Y. Bell. 166,929, June 3.
Sarna, Sajjan S., New York, N. Y. Bell. 166,930, June 3.
Sarna, Sajjan S., New York, N. Y. Christmas bell unit. 166,931, June 3.
Schwarz, Eugene, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Base for table lamps. 166,932, June 3.
Sears, Roebuck and Co., assignee: *See*—
Bjorncrantz, Carl G.
Secofsky, Abraham, and M. A. Meisel, Brooklyn, and A. Zalman, Kew Gardens Hills, N. Y. Combined camera support and floodlight lamp holder. 166,933, June 3.
Slobodkin, Simon H., New York, N. Y., assignor to Canonsburg Pottery Company, Canonsburg, Pa. Dinner plate. 166,934, June 3.
Sobolewsky, Anthony, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Floor mat. 166,935, June 3.
United States Rubber Company, assignee: *See*—
Sobolewsky, Anthony.
Wagner, Franz, Chicago, Ill., assignor to Easterling China Company. Coffee pot. 166,936, June 3.
Wagner, Franz, Chicago, Ill., assignor to Easterling China Company. Dinner plate. 166,937, June 3.
Weltz, Reuben E., Malton, Ontario, Canada. Chair. 166,938, June 3.
White, David, Company, assignee: *See*—
Collins, Harry J.
Young, Stephen A., Delphi, Ind. Faucet handle. 166,939, June 3.
Zalman, Alexander: *See*—
Secofsky, Abraham, Meisel, and Zalman.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-1 Bit & Tool Company, assignee: *See*—
Robishaw, Earl J.

Abercrombie, Alexander V., Taunton, Mass. Pipe with smoke baffle. 2,599,310, June 3.

Adams, James S., Long Beach, and P. E. Wilson, Tujunga, Calif. Device for separating oil from water. 2,598,746, June 3.

Adams, Pierrepont: *See*—
Thurston, Jack T., and Adams.

Adams, Spencer M.: *See*—
Clark, James R., and Adams.

Adamson United Company, assignee: *See*—
Austin, Russell A.

Addressograph-Multigraph Corporation, assignee: *See*—
Gollwitzer, Walter T.
Nau, Wilmer H.

Adler, Herman G., Detroit, assignor to Novi Equipment Company, Novi, Mich. Speed responsive device with modifier. 2,598,960, June 3.

Advertising Metal Display Co., assignee: *See*—
Ellerson, Eli N.

Aeolian-Skinner Organ Company, Inc., assignee: *See*—
Harrison, John M.

Aero Supply Mfg. Co., Inc., assignee: *See*—
Suska, Charles R.

Aetna-Standard Engineering Company, The, assignee: *See*—
Rodder, William.

Agin, Julius, Bergenfield, N. J., assignor to P. O. Stewart, Bronxville, N. Y. Tachometer device. 2,598,874, June 3.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Goldblatt, Leo A., McConnell, and Summers.
Teeter, Howard M.

Air-Equipment, assignee: *See*—
Garnier, Georges.

Air-Maze Corporation, assignee: *See*—
Brixius, Jacob K., and Hanneman.

Air Products, Incorporated, assignee: *See*—
Schilling, Clarence J.

Aktiebolaget Elektrolux, assignee: *See*—
Grubb, Gunnar A., and Backteman.
Kogel, Wilhelm G.
Widell, Nils E.

Aktiebolaget Gotaverken, assignee: *See*—
Thorstenson, Johan.

Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Meyer, Adolf.
Pfenninger, Hans.

Aladdin Industries, Incorporated, assignee: *See*—
Lyman, Harold T.

Albrecht, Otto, Muenchenstein, and A. Maeder, assignors to Ciba Limited, Basel, Switzerland. Manufacture of an acrylic acid ester. 2,599,424, June 3.

Alex, Friedmann Kommandit-Gesellschaft, assignee: *See*—
Nemetz, Gustav.

Alex, Mas, Pasadena, assignor to Sparkletts Drinking Water Corporation, Los Angeles, Calif. Carafe handle. 2,598,747, June 3.

All Star Products, Inc., assignee: *See*—
Ingle, Donald P., and Reiches.

Allegheny Ludlum Steel Corporation, assignee: *See*—
Caugherty, William E.

Allen, John L., Boston, Mass. Compressor apparatus. 2,599,149, June 3.

Allenson, George T.: *See*—
Berry, Edward J., and Allenson.

Alles, John J., Wilkes-Barre, Pa. Selective control apparatus. 2,598,748, June 3.

Allied Chemical & Dye Corporation, assignee: *See*—
Prill, Erhard J.

Allied Products Corporation, assignee: *See*—
Coulter, Leland E.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Mikolic, Charles R.

Allison, William M., assignor to Sprague Electric Company, North Adams, Mass. Electrical bandpass network. 2,599,508, June 3.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Beckius, Ivar, and Lindstrom.
Forwald, Haakon.
Sörensen, Harald M.

Alpine Corporation, assignee: *See*—
Lawson, Harry W.

Aluminum Company of America, assignee: *See*—
Frary, Francis C.

American Bosch Corporation, assignee: *See*—
Coe, Frank S.

American Cyanamid Company, assignee: *See*—
Banks, Reginald M., and Lahey.
De Boer, Carl J.
Kropa, Edward L.
Thurston, Jack T., and Adams.
Waller, Coy W., and Mowat.

American Home Foods, Inc., assignee: *See*—
Schermerhorn, George R., Sr., and Hinz.

American Metal Company, Limited, The, assignee: *See*—
Gebler, Kenneth A.

American Meter Company, Incorporated, assignee: *See*—
Menkemeller, Raymond.

American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.

American Viscose Corporation, assignee: *See*—
Bolger, Paul E.
Richter, George A., Jr.

American Water Works Company, Incorporated, assignee: *See*—
Murphy, John B.

Ampco Metal, Inc., assignee: *See*—
Klement, John F.

Anderson, Belle, Chicago, Ill. Identification and itinerary record holder for wrist wear. 2,599,311, June 3.

Anderson, Berger: *See*—
Heckard, Clifford L., and Anderson.

Anderson, Edmund B., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Sealing universal joint assemblies. 2,598,749, June 3.

Anderson, Neal H., Oil Tool Co., assignee: *See*—
Wells, George C.

Anderson, Ralph J., assignor of one half to K. Billingsly, Tulare, Calif. Hydraulic assembly for adjustable ladder leg extension. 2,598,875, June 3.

Anderson, Roy H., Seattle, Wash., assignor to Boeing Airplane Company. Quick-dismountable cowling. 2,599,037, June 3.

Andres, Lloyd J. assignor to Permo, Incorporated, Chicago, Ill. Phonograph stylus. 2,599,312, June 3.

Andrus, Orrin E., Altadena, Calif. Irrigation regulator coupling. 2,598,961, June 3.

Anner, Georg: *See*—
Miescher, Karl, and Anner.

Anseele, Marié, assignor to M. Defauw, Ghent, Belgium. Metal container having reinforced end seam. 2,598,962, June 3.

Archer, Clarence D., and K. L. Shuey, Knights Landing, Calif. Winged harrow hitching cart. 2,599,084, June 3.

Armco Steel Corporation, assignee: *See*—
Cobb, Harold W.
Littmann, Martin F., and Heckh.

Armstrong Cork Company, assignee: *See*—
Dryer, Edward L.

Armstrong, Paul L., Johnson City, and D. B. Pence, Limestone, Tenn. Automobile radiator cleaning device. 2,598,963, June 3.

Artman, Marion D., Chicago, Ill. Child's shampoo board. 2,599,217, June 3.

Ash, Charles S., Milford, Mich. Driven wheel assembly, including hydraulic transmission means. 2,598,876, June 3.

Ashleman, Adolph E., Waco, Tex. Automobile directional signal. 2,598,964, June 3.

Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Toaster heating element. 2,599,038, June 3.

Atkins, E. C., and Company, assignee: *See*—
Gommel, Dewey E.

Atwood & Morrill Co., assignee: *See*—
Prescott, Norman F.

Aubrey, Edward J., assignee: *See*—
Wiesztort, Vincent K.

Austin, Franklin L., Peoria, Ill., and H. B. Hastie, assignors to Eaton Laboratories, Inc., Norwich, N. Y. 5-nitro-2-furfurylidene acetone semicarbazone. 2,599,509, June 3.

Austin, Russell A., Alliance, assignor to Adamson United Company, Akron, Ohio. Roll end guide. 2,599,218, June 3.

Authorite Company, assignee: *See*—
Osgood, Walter P.

Automatic Temperature Control Co., Inc., assignee: *See*—
Macgeorge, William D., and Roessler.

Babcock, Lloyd L., Torrance, and M. L. Thorpe, Lomita, Calif. Overhead trolley wire mounting. 2,599,150, June 3.

Babcock & Wilcox Company, The, assignee: *See*—
Boyer, Raymond J.

Babish, Richard C.: *See*—
Waller, Fred, and Babish.

Babson Bros. Co., assignee: *See*—
Stampen, Jacob J.

Backteman, Per Arne: *See*—
Grubb, Gunnar A., and Backteman.

Bader, Thomas, South River, N. J. End of page indicator and signal for typewriters. 2,599,085, June 3.

Bain, Jack C., Santa Fe, N. Mex. Fish lure. 2,598,965, June 3.

Baker, Charles H.: *See*—
Lindell, Sigurd I., and Baker.

Baker, Charles H., Paterson, N. J. Tool for applying and removing nipples from radiators and the like. 2,598,877, June 3.

Baker, Jack F., Long Beach, Calif. Rotatable tubing hanger. 2,599,039, June 3.

Baker-Raulang Company, The, assignee: *See*—
Lehmann, Max.

Baldwin, Robert M., New Castle, Ind. Reciprocating element operating device. 2,599,151, June 3.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control switch. 2,599,425, June 3.

Ballou, Richard P., Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J. Heater and shunt mechanism for overload relays. 2,598,878, June 3.

Banks, Reginald M., New York, and R. W. Lahey, New Rochelle, assignors to American Cyanamid Company, New York, N. Y. Adhesive materials and assembling sheet materials. 2,599,359, June 3.

Bannister, Clyde E., Houston, Tex. Sample-taking and casing-perforating apparatus. 2,599,040, June 3.

Bannister, Clyde E., Houston, Tex. Apparatus for enlarging and straightening wellholes. 2,599,041, June 3.

Bannister, Clyde E., Houston, Tex. Excavating apparatus. 2,599,042, June 3.

Bargehr, Herman J., Chicago, Ill. Vehicle parking system. 2,598,750, June 3.

Barker Saw Company, assignee: *See*—
Smith, Albert P.

Barling, Leslie C., Rosebank, Johannesburg Transvaal, Union of South Africa. Automatic valve. 2,599,426, June 3.

Barlow, Edward J.: *See*—
Hansen, William W., and Barlow.

Barnes, Marion W., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Heating apparatus. 2,598,879, June 3.

Barnitz, Edward S.: *See*—
Hickman, Kenneth C. D., and Barnitz.

Barry, Robert L., and C. C. Boesewetter, Downers Grove, assignors to Goodman Manufacturing Company, Chicago, Ill. Electrical measurement and recording of acceleration, velocity, and displacements of moving bodies. 2,598,668, June 3.

Bartfay, Rosella G., Cleveland, Ohio. Beauty shield. 2,599,152, June 3.

Bastian-Blessing Company, The, assignee: *See*—
Levings, Sherburne D.

Batiuk, Martin, and H. G. Shively, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Heating dielectric materials and apparatus therefor. 2,599,360, June 3.

Battelle Development Corporation, assignee: *See*—
Lepp, Jack M., and Slyh.

Battilana, Emilio, Genoa-Cornigliano, assignor, by mesne assignments, to Soc. Per Azioni Stabilimenti Elettromeccanici Riuniti Ansaldo San Giorgio, Genoa, Italy. Current responsive acceleration control for electric motors. 2,598,669, June 3.

Baumat, A. G., assignee: *See*—
Maculan, Rudolf.

Bausch & Lomb Optical Company, assignee: *See*—
Stegeman, Raymond F. E.

Beach, Lennox F.: *See*—
Braddon, Frederick D., Beach, Delanty, and Vacquier.

Beal, James F., assignor, by mesne assignments, to Renfrew Electric and Refrigerator Co. Limited, Renfrew, Ontario, Canada. Pilot light lamp and socket structure. 2,599,361, June 3.

Becker, Glenn C., assignor to Vacuum Can Company, Chicago, Ill. Temperature regulating water circulator for molding presses and other purposes. 2,598,966, June 3.

Beckett, Reginald W., Elyria, Ohio. Oil burner of the atomizing type. 2,599,153, June 3.

Beckius, Ivar, and H. Lindström, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Induction heating. 2,599,086, June 3.

Beldin, Royal L., Davenport, Iowa, assignor to Deere & Company, Moline, Ill. Self-leveling motor carrier for grain elevators. 2,598,880, June 3.

Bell, Michael C., Milwaukee, Wis. Can-opening device. 2,599,154, June 3.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Brooks, Chester E., and Carpenter.
Bruce, Edmond, and Gross.
Cahill, Harold D., Carpenter, and Dimond.
Depp, Wallace A.
Entz, Ferdinand S., and Soffel.
Hill, Henry E., and Parkinson.
Kille, Lindley A.
Matthias, Bernd T.
Parks, Charles O.

Bellingher, Fred, Chicago, Ill., assignor to International Harvester Company. Bundling spring harrow tines. 2,599,427, June 3.

Beloit Iron Works, assignee: *See*—
Neese, Alonzo A.

Belsky, Charles, Detroit, Mich. Kitchen refuse receptacle. 2,599,362, June 3.

Bemis Bro. Bag. Co., assignee: *See*—
Kindseth, Harold V.

Bendix Aviation Corporation, assignee: *See*—
Frerer, Paul G.
Sloane, Robert W.
Strebinger, Richard R.

Benison, William B., Maskeliya, Ceylon. Transplanting device. 2,599,087, June 3.

Benner-Nawman, Inc., assignee: *See*—
Nawman, Rollie B.

Bennett, Alfred, and D. H. Prince, Widnes, and G. E. Edwards, Runcorn, England, assignors to Imperial Chemical Industries Limited. Electrolytic cell. 2,599,363, June 3.

Bennett, Samuel M., Brighton, Colo. Toilet flush tank float valve. 2,598,967, June 3.

Bentley, Howard C., Detroit, and R. J. Bentley, deceased; R. Bentley, Monroe, Mich., special administratrix. Filling spout. 2,598,670, June 3.

Bentley, Robert J.: *See*—
Bentley, Howard C., and R. J.

Bentley, Rose, special administratrix: *See*—
Bentley, Howard C., and R. J.

Berchak, Jack, Elmira, N. Y. Fishing rod and reel. 2,599,219, June 3.

Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Tube bundle for heat exchangers. 2,599,428, June 3.

Berg, Gustav, Glasgow, Scotland. Beating up mechanism for looms, especially for manufacturing terry toweling. 2,599,313, June 3.

Berger, Leo, Nutley, and J. Lee, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. 1-alkyl-3-benzohydryl piperidines. 2,599,364, June 3.

Berger, Leo, Nutley, and J. Lee, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Piperidine derivatives. 2,599,365, June 3.

Bergmann, Christian N., Pittsburgh, assignor of one-third to C. M. Clarke, Sewickley, Pa. Automatic start and stop mechanism. 2,599,220, June 3.

Bergmann, Christian N., Pittsburgh, assignor of one-third to C. M. Clarke, Sewickley, Pa. Conveyer system for receptacles fed to filler machines. 2,599,221, June 3.

Bergqvist, Åke T., and B. I. F. Karlberg, Finspong, Sweden. Locking device for the tubes of telescopic structures. 2,599,222, June 3.

Berkowitz, Joseph, Philadelphia, Pa., and W. Lapin, Los Angeles, Calif. Cooling and dispensing beverages. 2,598,751, June 3.

Berliner, Victor R., Somerville, N. J., assignor to Ortho Pharmaceutical Corporation. Whole fresh egg semen diluter. 2,598,881, June 3.

Berman, Robert A., Lawrence, N. Y. Respiratory device. 2,599,521, June 3.

Bernhard, Joseph, Stepney, Conn., assignor to Consolidated Trimming Corporation, New York, N. Y. Drapery heading. 2,599,429, June 3.

Berry, Edward J., Cranston, and G. T. Allenson, Lincoln, R. I., assignors to Draper Corporation, Hopedale, Mass. Temple mounting means for looms. 2,598,882, June 3.

Beuerman, Ralph A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Register control system for web cutting mechanisms. 2,599,430, June 3.

Bibb, John: *See*—
Thompson, John L., and Bibb.

Billingsly, Kenneth, assignee: *See*—
Anderson, Ralph J.

Birch, Thomas H., Cincinnati, Ohio. Display device. 2,598,755, June 3.

Bissell, Raymond C., assignor to Timpte Bros., Inc., Denver, Colo. Weight-shifting device for dual axle vehicles. 2,599,043, June 3.

Black-Clawson Company, The, assignee: *See*—
Staege, Stephen A.

Blitz, Daniel, Princeton, N. J., assignor to Radio Corporation of America. Glide path control for aircraft. 2,599,223, June 3.

Block & Anderson Limited, assignee: *See*—
Bonsch, François R.
Gerlach, Hugo.

Bobb, Lloyd J., Glenside, assignor to The International Electronics Company, Philadelphia, Pa. Low capacity switch. 2,599,314, June 3.

Boehm, Lois E.: *See*—
Schulz, William H., and Boehm.
Boeing Airplane Company, assignee: *See*—
Anderson, Roy H.
Gates, Jack R., and Schuler.
Heckard, Clifford L., and Anderson.
Tatom, Raymond F.
Boesewetter, Chester C.: *See*—
Barry, Robert L., and Boesewetter.
Bolmenblust, Martin J., Minneapolis, Kans. Combine and transport dolly therefor. 2,599,366, June 3.
Bolger, Paul E., Lewistown, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning bucket liner. 2,598,752, June 3.
Bolloneria E. Viteria Italiana S. A. R. L. "B. E. V. I." assignee: *See*—
Chiaberta, Giovanni.
Bolsey, Jacques, New York, N. Y. Tripod. 2,598,753, June 3.
Bolta Company, The, assignee: *See*—
Day, Everett E.
Bonsch, François R., Paris, France, assignor to Block & Anderson Limited, London, England. Moistener for hectographic duplicating machines. 2,599,224, June 3.
Boosey, Edward W. N., deceased, Detroit, Mich.; O. N. Boosey, executrix of said E. W. N. Boosey. Hydrant. 2,598,968, June 3.
Boosey, Olive, N., executrix: *See*—
Boosey, Edward W. N.
Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc. Fuel injection system. 2,598,754, June 3.
Boothby, Lawrence W., Alexandria, Va. Frequency distinguishing device. 2,598,671, June 3.
Borg-Warner Corporation, assignee: *See*—
Anderson, Edmund B.
Turner, Harold H.
Borzage, William, Los Angeles, Calif. Accordion with reedless wind instruments. 2,599,088, June 3.
Boston Machine Works Company, assignee: *See*—
Osgood, Walter P.
Bousman, Henry W., Scotia, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Thermal neutron detector element. 2,599,156, June 3.
Bowman, Norman J.: *See*—
Weitkamp, Alfred W., and Bowman.
Boyd, Winnett, Lenside, and K. F. Tupper, East York Township, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Dynamometer. 2,599,315, June 3.
Boyer, Howard B., Eugene, Oreg. Paper clamp. 2,598,883, June 3.
Boyer, Raymond J., Westfield, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y. Steam generator. 2,599,316, June 3.
Boyle, James M.: *See*—
Rudel, Harry W., and Boyle.
Bozel-Maletra Societe Industrielle de Produits, Chimiques, assignee: *See*—
Lehmann, René L., and Lintner.
Braddon, Frederick D., Babylon, L. F. Beach, Port Washington, L. J. Delanty, Baldwin, and Y. Vacquier, Garden City, N. Y., assignors to The Sperry Corporation. Marine gyro vertical. 2,598,672, June 3.
Bradnick, Le Roy V., Anderson, Ind. Centrifugal speed responsive mechanism. 2,599,157, June 3.
Brady, David R., Detroit, Mich., assignor to Owens-Corning Fiberglas Corporation. Shoe insole. 2,599,317, June 3.
Brady, Francis E., Jr., Muncie, Ind. Portable exhaust gas conveyer. 2,598,884, June 3.
Braegger, Carl, assignor to Ludi & Co., Flawil, Switzerland. Cloth-covered button. 2,599,225, June 3.
Brandt, John R.: *See*—
Salerno, George F., and Brandt.
Brassel, Jakob: *See*—
Widmer, Willy, and Brassel.
Brassert, H. A., & Company, assignee: *See*—
Brassert, Herman A.
Brassert, Herman A., Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y. Cylindrical converter. 2,599,158, June 3.
Brauer, William F., Pasadena, Calif. Fishing rod support. 2,599,160, June 3.
Breedlove, Harry B., Baton Rouge, La. Liquid level and flow control. 2,599,159, June 3.
Brennan, John E., Chicago, Ill. Artificial denture and retainer therefor. 2,599,044, June 3.
Bretton, René, Saint-Etienne, assignor to Etablissements Vermot-Gaud & Cie, Montlebon-Morteau, France. Stock and barrel connection in guns. 2,598,885, June 3.
Bridevaux, Georges, assignor to Tavannes Watch Co. S. A., Tavannes, Switzerland. Overwinding preventer. 2,599,161, June 3.
Briem, Eggert V., Forty Fort, Pa. Loop forming device for stitch forming mechanism. 2,599,226, June 3.
Brightly, Frederick C., Jr., Chicago, and J. F. Herbert, La Grange, Ill. Galvanized muffler with concavo-convex baffles. 2,598,756, June 3.
Brixius, Jacob K., and R. G. Hanneman, assignors to Air-Maze Corporation, Cleveland, Ohio. High-capacity oil bath filter. 2,598,673, June 3.
Brojaski, George R., San Diego, assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Resistance welding process. 2,599,045, June 3.
Brooks, Chester E., Montvale, N. J., and W. W. Carpenter, Garden City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone billing system. 2,599,357, June 3.
Brooks, E. J., Company, assignee: *See*—
Brooks, Winfred M.
Brooks, Winfred M., West Orange, assignor to E. J. Brooks Company, Newark, N. J. Shackle seal. 2,599,318, June 3.
Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.
Brown, Joseph, Drexel, Pa. Combination venting, filling, and gauging device for fuel oil tanks. 2,599,162, June 3.
Brown, Paul L., Detroit, Mich. Wheeled animated bird on a cord. 2,599,227, June 3.
Brown, Robert W., North Syracuse, N. Y., assignor to General Electric Company. Electronic control circuit. 2,599,228, June 3.
Brucato, Antonio, Bridgeport, Conn. Massaging apparatus. 2,499,367, June 3.
Bruce, Edmond, Red Bank, N. J., and L. Gross, Bayside, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Beam switching system. 2,599,368, June 3.
Bruce, John A., assignor to Prime Products Inc., Tampa, Fla. Fruit juice blend and producing same. 2,599,431, June 3.
Brück, Lothar: *See*—
Huber, Harry, and Brück.
Brucker, Ferdinand F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing annular articles. 2,599,046, June 3.
Bruemmer, August H.: *See*—
Peters, Carl E., Rau, and Bruemmer.
Brummer, Olin, Crete, Ill. Cartridge type seal. 2,598,886, June 3.
Brunsell, Robert O., Evansville, Wis. Electric stop mechanism for jeeps. 2,598,757, June 3.
Budd Company, The, assignee: *See*—
Dean, Albert G.
Bukaty, Raymond M., Montclair, N. J., assignor to General Electric Company. Work coil. 2,599,229, June 3.
Burgess, Nell, Melrose, Mass., assignor to General Electric Company. Fuel system for thermal power plants. 2,598,674, June 3.
Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Lift roller for Venetian blinds. 2,598,887, June 3.
Burton, Elaine F., London, England. Apparatus for playing card games. 2,598,969, June 3.
Buttrick, James C., Scarbro, W. Va. Attachment for mining machine anchor jacks. 2,598,970, June 3.
Byram, Frederick C., assignor to Robbins & Myers, Inc., Springfield, Ohio. Close coupling for motorized pumps. 2,598,758, June 3.
Byrd, Buford J., assignee: *See*—
Houghton, William.
Caesar, Philip D., Champaign, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Tetrachlorothiolane and preparing the same. 2,599,432, June 3.
Cahill, Harold D., Scarsdale, W. W. Carpenter, Garden City, N. Y., and T. L. Dimond, Rutherford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call data recording automatic telephone system. 2,599,358, June 3.
Cajowski, Arthur: *See*—
Spahr, John P., and Cajowski.
Calde, Eleanor Y., Los Angeles, Calif. Garment. 2,598,759, June 3.
Calidyne Company, The, assignee: *See*—
Efromson, Philip C., and Lewis.
Campbell, Richard H., Jr., Westminster West, and G. H. Hadden, West Dummerston, assignors to Minshall-Estey Organ, Inc., Brattleboro, Vt. Keying device for electronic organs. 2,599,510, June 3.
Canadian Refractories Limited, assignee: *See*—
Lathe, Frank E.
Capra, Paul H., Philadelphia, Pa. Luggage. 2,598,888, June 3.
Carbodies Limited, assignee: *See*—
Orr, John H.
Carborundum Company, The, assignee: *See*—
Wooddell, Charles E., Van Nimwegen, and Hager.
Carey, Leroy J., assignor to The Marquette Metal Products Company, Cleveland, Ohio. Windshield wiper mechanism. 2,598,971, June 3.
Carlstrom, Carl F.: *See*—
Toomey, John A., and Carlstrom.
Carpenter, Warren W.: *See*—
Brooks, Chester E., and Carpenter.
Cahill, Harold D., Carpenter, and Dimond.
Carrier Corporation, assignee: *See*—
Berestneff, Alexis A.
Carrino, Pasquale, Passaic, N. J. Packaging machine, particularly the blocks therefor. 2,599,369, June 3.
Carroll, George F., Chicago, Ill. Pavement marker. 2,599,230, June 3.
Case, J. I., Company, assignee: *See*—
Shouler, John E., and Markel.

Cashman, Edward P.: *See*—
Lieber, Eugene, and Cashman.
Castle, John E., New Castle, and B. W. Howk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenolysis of cycloaliphatic alcohols, ketones, and aldehydes. 2,599,089, June 3.
Catalano, Victor J., Upper Darby, Pa., assignor to General Electric Company. Insertable hinge mounting structure. 2,599,231, June 3.
Caugherty, William E., Tarentum, Pa., assignor to Allegheny Ludlum Steel Corporation. Pickling chromium alloys. 2,598,889, June 3.
Cauley, Stephen P.: *See*—
Happel, John, and Cauley.
Caulfield, Carrie, administratrix, assignee: *See*—
Caulfield, Merville H.
Caulfield, Merville H., deceased, Llanerch; C. Caulfield, administratrix, assignor to C. Caulfield, Brookline, Pa. Device for operating pipettes. 2,599,370, June 3.
Cebolski, Peter, Belleville, Mich. Pivoted tire bead breaking tool with opposed pressure elements. 2,599,232, June 3.
Celanese Corporation of America, assignee: *See*—
Dolmetsch, Carl R., and McFarlane.
Haggerty, William T., Jr., and Ward.
Celotex Corporation, The, assignee: *See*—
Price, Manley R.
Chadderton, Tom, and R. Thornton, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Printing with onium dyestuffs and buffer mixtures. 2,599,371, June 3.
Chamberlain Corporation, assignee: *See*—
Etten, Nicholas L.
Champion Paper and Fibre Company, The, assignee: *See*—
Warner, Edgar.
Chappell, Eugene L., Shaler Township, Allegheny County, Pa. Making a composite hollow internally cement-lined internally generally cylindrical object. 2,598,972, June 3.
Cheney, Charles W., Hockley, Birmingham, England. Fastening for containers, cases, bags, and the like. 2,599,372, June 3.
Chiaberta, Giovanni, assignor to Bolloneria E. Viteria Italiana S. A. R. L. "B. E. V. I." Milan, Italy. Automatic charging and conveying device. 2,598,973, June 3.
Chicago Electric Manufacturing Company, assignee: *See*—
Se Bastian, Ford.
Christie, John E., Arlington, Va. Wheel for tank structures. 2,599,233, June 3.
Chrysler Corporation, assignee: *See*—
Ball, Thomas M.
Dickson, John B.
Dudley, John C.
Jones, Edwin A.
Koskinen, Olavi M.
Lemon, Joseph R.
Wyckoff, Paul W.
Chrzanowski, Roman H., assignor to Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y. Thixotropic gel for preserving wood. 2,599,373, June 3.
Ciba Limited, assignee: *See*—
Albrecht, Otto, and Maeder.
Widmer, Willy, and Brassel.
Ciba Pharmaceutical Products, Inc., assignee: *See*—
Meystre, Charles, and Wettstein.
Miescher, Karl, and Anner.
Plattner, Placidus.
Cisi, Louis, Cliffside Park, and W. Dippel, Clifton, N. J. Display device. 2,598,890, June 3.
Clark, David L., Bridgeport, and J. W. McNairy, Westport, Conn., assignors to General Electric Company. Automatic washing machine control. 2,599,234, June 3.
Clark Equipment Company, assignee: *See*—
Turner, George L.
White, Alfred B.
Williams, Alfred O.
Clark, James R., Mobile, and S. M. Adams, Coden, Ala. Bark-removing apparatus comprising rotor and stationary cage. 2,599,090, June 3.
Clark, Richard U., Belmont, Mass. Quasidetachable magnetic symbols, markers, and insignia. 2,599,047, June 3.
Clarke, Charles M., assignee: *See*—
Bergmann, Christian N.
Clayton, Benjamin, assignee: *See*—
Taub, Abraham.
Clopay Corporation, assignee: *See*—
Probst, John B.
Cobb, Harold W., Baltimore, Md., assignor to Armco Steel Corporation. Recording wire. 2,598,760, June 3.
Coe, Frank S., assignor to American Bosch Corporation, Springfield, Mass. Fuel pump. 2,599,522, June 3.
Cohen, Lezer H., Amsterdam, Netherlands. Apparatus for retreading rubber tires. 2,599,433, June 3.
Cohoes Envelope Company, Inc., assignee: *See*—
Taylor, Gerald A.
Collins Radio Company, assignee: *See*—
Gerks, Irvin H.
Kohl, Walter H.
Color Research Corporation, assignee: *See*—
Grimson, Samuel B.
Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.
Compagnie Francaise De Raffinage, assignee: *See*—
Lienhart, Jean.
Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Huber, Harry, and Brück.
Coney, Robert L., Levittown, assignor to The Prehy Co., Incorporated, New York, N. Y. Concrete conveying apparatus. 2,599,235, June 3.
Conklin, Lloyd W., Toronto, Ontario, Canada. Composition for rendering printing rollers nonmeltable. 2,598,761, June 3.
Conrad, William T., Lawndale, assignor of one-half to E. Timbs, Los Angeles, Calif. Gopher trap. 2,598,974, June 3.
Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W.
Consolidated Trimming Corporation, assignee: *See*—
Bernhard, Joseph.
Container Corporation of America, assignee: *See*—
Liebl, Albert W.
Continental Copper & Steel Industries, Inc., assignee: *See*—
Nelson, John A., and Schuck.
Converted Rice, Inc., assignee: *See*—
Huzenlaub, Erich G., and Rogers.
Cooke, Conrad H., assignor of one-half to The Glenn L. Martin Company, Middle River, Md., and one-half to Hydraulic Equipment Company, Cleveland, Ohio. Selector valve-automatic holding and cutoff. 2,598,891, June 3.
Cooper, Lyle M., Rahway, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Filling and capping equipment. 2,599,319, June 3.
Copley, Welford E.: *See*—
Johansen, Gordon W., and Copley.
Cossor, A. C., Limited, assignee: *See*—
Melchior, Albert N. A.
Costa, Leone, Canido-Vigo, Spain, assignor to W. K. Maier, New York, N. Y. Ship form. 2,599,163, June 3.
Coulter, Leland E., Ann Arbor, assignor to Allied Products Corporation, Detroit, Mich. Tool or die and holder assembly. 2,598,975, June 3.
Courtaulds Limited, assignee: *See*—
Hartley, Jack K., West and Edwards.
Cox, Thomas C., Manhattan, Kans. Sewing box. 2,598,976, June 3.
Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Forming pigment in cellulose fiber and paper containing the pigmented fiber. 2,599,091, June 3.
Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Multiple layer paper containing pigmented pulp and making. 2,599,092, June 3.
Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Pigmented cellulose fiber. 2,599,093, June 3.
Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Cellulosic fibrous calcium silicate pigment, making it and a sheet of paper containing it. 2,599,094, June 3.
Cramer, Friedrich W., and O. W. F. Saffran, Bochum-Dahlhausen, assignors to Dr. C. Otto & Company, G. m. b. H., Bochum, Germany. Manufacture of silica brick from highly siliceous sands. 2,599,236, June 3.
Crane Co., assignee: *See*—
Hjulian, Julius A.
Crane, Edith F., Poughkeepsie, N. Y. Removable handle. 2,599,434, June 3.
Crane Packing Limited, assignee: *See*—
Wilkinson, Samuel C. W.
Critchlow, Howard T., Jr., Detroit, Mich., and J. J. Marecki, Baltimore, assignors to The Glenn Martin Company, Middle River, Md. Identification tape and making same. 2,598,892, June 3.
Cuccia, Carmen L., Princeton, N. J., assignor to Radio Corporation of America. Magnetron generator. 2,599,237, June 3.
Cudini, Roger G., Birmingham, assignor to Moynahan Bronze Company, Detroit, Mich. Folding chair. 2,599,164, June 3.
Culver, Harry D., assignee: *See*—
Schwenzer, George A.
Cumming, James S. D., Gumwood Farms, Hampton, Va. Aircraft. 2,599,435, June 3.
Cutforth, Howard G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Low water-loss cement slurry and cementing a well therewith. 2,598,675, June 3.
Cutler-Hammer, Inc., assignee: *See*—
Perrine, Robert O.
Dale, Allan L., Salt Lake City, and J. B. Furnace, Draper, Utah; said Dale assignor to said Furnace. Automatic poultry feeder. 2,598,977, June 3.
Dancy, William B., East Point, Ga., assignor to International Minerals & Chemical Corporation. Salt block. 2,599,436, June 3.
Daniel, Al F., and T. A. Patterson, Jackson, Miss. Shoe polisher. 2,599,095, June 3.
Dart, William F., Mason, Mich. Measuring tape and case therefor. 2,599,320, June 3.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for railway draft riggings. 2,598,762, June 3.

Daubenspeck, Henry C., assignee: *See*—
Winder, Samuel E.

Davis, Wells L.: *See*—
Marco, Salvatore M., and Davis.

Davis, William L., Savannah, Ga., assignor to Union Bag & Paper Corporation, New York, N. Y. Liquid adhesive applicator and control apparatus therefor. 2,599,374, June 3.

Day, Everett E., Andover, assignor to The Bolta Company, Lawrence, Mass. Molded stop mechanism for sliding clasp fasteners. 2,599,165, June 3.

Daystrom Electric Corporation, assignee: *See*—
Nygaard, Herman.

Dayton, Carl S.: *See*—
Worst, Joseph C., and Dayton.

Dayton, Carl S., Bridgeport, Conn., assignor to General Electric Company. Shoe actuating means for automatic flatplate ironers. 2,599,238, June 3.

Dayton Pump and Manufacturing Company, The, assignee: *See*—
Wolfe, H. Hix.

Dean, Albert G., Narberth, assignor to The Budd Company, Philadelphia, Pa. Fastener for sliding closures. 2,599,511, June 3.

De Boer, Carl J., Perth Amboy, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of diagnostic antigens. 2,598,659, June 3.

De Bogart, Orval V., Seattle, Wash. High-speed boring machine. 2,599,155, June 3.

De Carli, Earl V., Ellington, Conn., assignor to General Electric Company. Wringer drive gear mechanism. 2,599,239, June 3.

Deere & Company, assignee: *See*—
Beidin, Royal L.
Stueland, Harold M.
Youngberg, Charles H.

Defauw, Marcel, assignee: *See*—
Anseele, Murlé.

Delanty, Loren J.: *See*—
Braddon, Frederick D., Beach, Delanty, and Vacquier.

De Lassus Saint-Geniès, Anne H. J., Versailles, France. Apparatus for eliminating the linear texture of a picture in projection and in optical printing by projection. 2,598,676, June 3.

De Martin, Mary, assignee: *See*—
De Martin, Roger R.

De Martin, Roger R., assignor of forty-five per cent to M. De Martin, Windsor, Ontario, Canada. Bed lamp with alarm clock. 2,598,978, June 3.

Dempster, Arthur J., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Identifying radioactive compounds. 2,599,166, June 3.

Denney, Bertram C., Chicago, Ill. Miter gauge. 2,598,979, June 3.

Denning, Paul S., assignor to F. E. Schundler and Company, Incorporated, Joliet, Ill. Magnesia cement products and their manufacture. 2,598,980, June 3.

Denning, Paul S., assignor to F. E. Schundler and Company, Incorporated, Joliet, Ill. Magnesia cement products and their manufacture. 2,598,981, June 3.

Dennis, Basil W., Baltimore, Md. Fluid bladeless turbine. 2,598,678, June 3.

De Noyers, Emil J.: *See*—
Minneci, Salvatore, McKenney, and De Noyers.

Depp, Wallace A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multicathode glow discharge device. 2,598,677, June 3.

De Roo, William C., assignor to Hart & Cooley Manufacturing Co., Holland, Mich. Grille. 2,598,763, June 3.

Desch, Joseph R., Oakwood, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Electron tube counting device. 2,598,764, June 3.

Dewey, Frederick R., Maywood, Calif. Surfacing tool. 2,598,765, June 3.

Dicke, Oscar H., New Bremen, Ohio. Antenna rotating and/or tuning apparatus. 2,599,048, June 3.

Dickson, John B., assignor to Chrysler Corporation, Highland Park, Mich. Switch. 2,599,437, June 3.

Dieman, Edgar A.: *See*—
Walker, Donald L., and Dieman.

Dimond, Thomas L.: *See*—
Cahill, Harold D., Carpenter, and Dimond.

Dionisotti, Joseph, Monthey, Switzerland. Scraping out device for mining boreholes. 2,599,167, June 3.

Dippel, William: *See*—
Cisl, Louis, and Dippel.

Dirksen, Theodore L., assignor to F. L. Spicknall, La Belle, Mo. Portable workbench for power-driven hand and table tools. 2,599,096, June 3.

Dixon, Paul H., Rockford, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun loading mechanism. 2,598,766, June 3.

Dobson & Barlow Limited, assignee: *See*—
Pimley, Gordon H.

Dollinger, Lewis L., Rochester, N. Y. Vestibule mat and cleaning system therefor. 2,599,049, June 3.

Dolmetsch, Carl R., Westchester, N. Y., and S. B. McFarlane, Union, N. J., assignors to Celanese Corporation of America, New York, N. Y. Cellulose ester and N-alkoxymethyl polyurethane reacted polymers. 2,598,767, June 3.

Donald, Forrest V., Milwaukee, assignor to Simplicity Manufacturing Company, Port Washington, Wis. Drive transmission for garden type tractors. 2,598,768, June 3.

Donavan, Robert J., Mason City, Ill. Artificial denture. 2,598,769, June 3.

Doran, James A., Providence, R. I. End cap for glove holding devices. 2,599,321, June 3.

Dormeyer Corporation, assignee: *See*—
Schwaneke, Fred C.

Dorr, Emma A., Philadelphia, Pa. Shield for bunions and corns. 2,599,523, June 3.

Douglas Aircraft Company, Inc., assignee: *See*—
Hume, William L.

Dow Chemical Company, The, assignee: *See*—
Drake, Lewis R., and Erbel.
Haynes, James D.
Moyle, Clarence L.

Downing, Rexford D., Moline, Ill., and C. C. Evers, Davenport, Iowa, assignors to International Harvester Company. Floating cutter bar for harvesters. 2,599,438, June 3.

Drain, Herbert D., assignor to Walter E. Selck and Co., Chicago, Ill. Trim connecting assembly. 2,599,322, June 3.

Drake, Howard T., Dallas, Tex. Sheathed razor blade holder. 2,599,439, June 3.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing flat glass. 2,598,893, June 3.

Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for producing glass sheets. 2,598,894, June 3.

Drake, Lewis R., Midland, and A. J. Erbel, Bay City, Mich. 2,4,6 - trichlorophenyl dialkylphosphates. 2,599,375, June 3.

Drake, Lewis R., Midland, and A. J. Erbel, Bay City, assignors to The Dow Chemical Company, Midland, Mich. 0-2,4,6 - trichlorophenyl 0,0 - dialkylthiophosphates. 2,599,512, June 3.

Draper Corporation, assignee: *See*—
Berry, Edward J., and Allenson.
Nichols, Edward C.

Dreyer, Herbert, Los Angeles, Calif. Flexible drive means for concrete vibrators. 2,598,895, June 3.

Drozt, Stanley F., Chicago, Ill. Flexible window screen. 2,598,770, June 3.

Dryer, Edward L., assignor to Armstrong Cork Company, Lancaster, Pa. Abrading. 2,598,679, June 3.

Dry-Or-Slide, Inc., assignee: *See*—
Griffin, Harry L.

Dudley, John C., assignor to Chrysler Corporation, Highland Park, Mich. Installing resilient seals. 2,599,440, June 3.

Duncan, Gordon W.: *See*—
Lifson, William E., and Duncan.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Beuerman, Ralph A.
Castle, John E., and Howk.
McQueen, David M.
Pinkney, Paul S., Pratt, and Wayne.
Sloan, Clifford K.
Upson, Robert W.

Eads, Howard A.: *See*—
McGarry, James W., and Eads.

Eastman Kodak Company, assignee: *See*—
Hickman, Kenneth C. D., and Barnitz.

Easy Washing Machine Corporation, assignee: *See*—
Muirhead, James.
Scheele, Charles C.

Eaton Laboratories, Inc., assignee: *See*—
Austin, Franklin L., and Hastie.

Eder, John F., Sherman, Tex. Fishing lure. 2,598,771, June 3.

Edwal Laboratories, Inc., The, assignee: *See*—
Schwarcz, Morton.

Edwards, George E.: *See*—
Bennett, Alfred, Prince, and Edwards.

Edwards, Thomas E.: *See*—
Hartley, Jack K., West, and Edwards.

Efromson, Philip C., and R. C. Lewis, assignor to The Calldyne Company, Winchester, Mass. Electrodynamic reciprocation apparatus. 2,599,036, June 3.

Ehrenberg, Ira J., Flushing, N. Y. Dual brake control. 2,599,376, June 3.

Eisele, Otto J., New York, N. Y. Fully balanced combination overdrive and hydraulic transmission. 2,598,896, June 3.

Ekman, Olof I. H., Stockholm, Sweden. Thermocontact or fuse for alarm purposes. 2,599,441, June 3.

Ellerson, Eli N., assignor to Advertising Metal Display Co., Chicago, Ill. Cabinet and drawer assembly. 2,599,240, June 3.

Elliff, Orla S., assignor to The Meeker Company, Inc., Joplin, Mo. Stitchless and hidden stitch expansible billfold. 2,598,982, June 3.

Ellis, Walter C., Los Angeles, Calif. Collapsible stand. 2,5981,983, June 3.

Elmer, William B., assignor to Wheeler Reflector Company, Boston, Mass. Lamp lead insulator. 2,598,772, June 3.

Emerson, Robert G., Fort Wayne, Ind. Composite template and gauge. 2,599,050, June 3.

Entz, Ferdinand S., Mount Kisco, and R. O. Soffel, Hastings on Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiotelephone station identifying system. 2,599,097, June 3.

Erbel, Arthur J.: *See*—
Drake, Lewis R., and Erbel.

Ericson, John R.: *See*—
Garbarini, Robert F., and Ericson.

Eslick, Frederick M., Auburn, Ala. Reinforced plastic patch for walls. 2,598,984, June 3.

Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Purification of titanium tetrachloride. 2,598,897, June 3.

Espenschied, Helmut, Metuchen, N. J., assignor to National Lead Company, New York, N. Y. Purification of titanium tetrachloride. 2,598,898, June 3.

Essex, Alois, Glendale, E. E. Garrett, Freeport, and J. Kallenberg, Stewart Manor, N. Y., assignors to The Sperry Corporation. Apparatus for stacking carton blanks. 2,599,442, June 3.

Etablissements Ed. Jaeger, assignee: *See*—
Held, Simon S.

Etablissements Vermot-Gaud & Cie, assignee: *See*—
Bretton, René.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,598,773, June 3.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Adjustable leg rest for wheel chairs. 2,598,985, June 3.

Evers, Clarence C.: *See*—
Downing, Rexford D., and Evers.

Ewald, Paul M.: *See*—
Steinbach, Emil C., and Ewald.

Extruded Plastics, Inc., assignee: *See*—
Slaughter, Charles E.

F. & B. Mfg. Co., assignee: *See*—
Filko, John.

Farmer, Walter E., Corsicana, Tex. Lighter than air aircraft with heating means for the gas bags thereof. 2,599,241, June 3.

Farnworth, Ivan A., Orem, Utah. Automatic travel adjuster for air brake pistons. 2,599,377, June 3.

Farrell, William J.: *See*—
Wagner, Cecelia F., and Farrell.

Favre, John A., Drexel Hill, Pa., assignor to General Electric Company. Rotary circuit interrupter. 2,599,242, June 3.

Federal Electric Products Company, assignee: *See*—
Ballou, Richard P.

Fegley, Charles R., Laureldale, assignor to Textile Machine Works, Wyomissing, Pa. Friction box structure for straight knitting machines. 2,598,986, June 3.

Feher, Cecil W., Shelton, Conn., assignor to General Electric Company. Emergency declutching mechanism for clothes wringers. 2,599,243, June 3.

Fehr, Paul E., assignor to Landis & Gyr, A. G., Zug, Switzerland. Maximum demand meter for pulsating loads. 2,598,899, June 3.

Feldman, Samuel, Forest Hills, N. Y. Pleated fabric and garment made of same. 2,599,168, June 3.

Fellows Gear Shaper Company, The, assignee: *See*—
Miller, Edward W.

Felt and Tarrant Manufacturing Company, assignee: *See*—
Heitlinger, Eugene V.

Ferrara, Rose S., Bronx, N. Y. Unitary doorframe trimming device. 2,599,244, June 3.

Fetterolf, Luther D.: *See*—
Handwerk, Erwin C., and Fetterolf.
Waring, Robert K., Fetterolf, and Hurst.

Fields, Herbert P., and B. Kucluski, Chicago, Ill. Window ventilator. 2,598,774, June 3.

Filko, John, assignor to F. & B. Mfg. Co., Chicago, Ill. Contact arm for distributor breaker plates. 2,599,323, June 3.

Finn, Robert S., assignor to Seismograph Service Corporation, Tulsa, Okla. Method and apparatus for seismic prospecting. 2,599,245, June 3.

Finney, Fay B., Platteville, Wis. Ladder bracket. 2,599,169, June 3.

Fischer, Edward J., Vancouver, Wash. Electric test device. 2,598,775, June 3.

Fischer & Porter Company, assignee: *See*—
Head, Victor P.

Fitzsimmons, William J., Chicago, Ill. Journal lubricator. 2,599,246, June 3.

Fleischmann, Rudolf A. K., Philadelphia, Pa. Testing watt-hour meters. 2,599,378, June 3.

Flex-O-Glass, Inc., assignee: *See*—
Warp, Harold.

Flora, Laurence H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Clip for attaching trim objects. 2,598,776, June 3.

Florence, Winston M.: *See*—
Goodhue, Lyle D., and Florence.

Flynn, Leonard J., Salina, Kans. Snow melter and vaporizer. 2,599,098, June 3.

Foley, Hanceal W., Toledo, assignor to Gendron Wheel Company, Perrysburg, Ohio. Braking device for wheel chairs. 2,599,051, June 3.

Folker, Dewey S., assignee: *See*—
Folker, John M.

Folker, John M., assignor of forty-five per cent to D. S. Folker, Cleveland, Ohio. Fishing rod holder. 2,599,099, June 3.

Food Machinery and Chemical Corporation, assignee: *See*—
Holmes, Herbert G.

Forbes, Duncan P., assignor to Gunite Foundries Corporation, Rockford, Ill. Brake mechanism. 2,599,247, June 3.

Forbes, Duncan P., and S. A. Maithaner, assignors to Gunite Foundries Corporation, Rockford, Ill. Dual wheel single rim adapter. 2,599,248, June 3.

Ford, Barton H., E. J., and M. J., Omaha, Nebr. Closure means for grain car doorways. 2,599,443, June 3.

Ford, Edwin J.: *See*—
Ford, Barton H., E. J., and M. J.

Ford, Michael J.: *See*—
Ford, Barton H., E. J., and M. J.

Forker Corporation, The, assignee: *See*—
Forker, James B.

Forker, James B., Shaker Heights, assignor to The Forker Corporation, Cleveland, Ohio. Beam cutting method. 2,599,324, June 3.

Forman, George, Los Angeles, Calif. Casket transporting and hoisting vehicle. 2,599,052, June 3.

Forwald, Haakon, Valhalla, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Compressed air circuit breaker with a plurality of series connected breaking gaps. 2,599,100, June 3.

Foster Wheeler Corporation, assignee: *See*—
Sampson, William.

Frankenburg, Walter G., Millersville, Pa., assignor to General Cigar Co., Inc., New York, N. Y. Tobacco product and manufacture. 2,598,680, June 3.

Franks, Norvin H., assignor to Sturdi-Bilt Steel Products, Inc., Chicago, Ill. Tool support. 2,599,170, June 3.

Franzen, Gilbert E., Garden Grove, Calif. Spoon cover. 2,598,987, June 3.

Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Recovering gallium from metallic aluminum. 2,598,777, June 3.

Fred, Walter, Worcester, Mass. Ice fishing tilt. 2,598,778, June 3.

Freeman, Hadley F., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating switch. 2,599,171, June 3.

Frerer, Paul G., assignor to Bendix Aviation Corporation, Baltimore, Md. Heating control apparatus. 2,599,101, June 3.

Friedman, Bernard S., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Copolymerizing ethylene with butadiene. 2,599,249, June 3.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Cold header. 2,599,053, June 3.

Fritzberg, Lawrence H., Minneapolis, Minn. Conduit construction. 2,599,325, June 3.

Frye, Jack, Sedona, Ariz. Heat sealing device. 2,598,900, June 3.

Fuller Company, assignee: *See*—
Narsted, John.

Furnace, James B.: *See*—
Dale, Allan L., and Furnace.

Fusco, Victor C., Youngstown, assignor to Mathieson Chemical Corporation, New York, N. Y. Production of halophenoxy acetic acids. 2,599,250, June 3.

Gabler, Josef, Zurich, Switzerland. Screw actuated dispensing mechanism and refill unit therefor. 2,599,379, June 3.

Gabriel Company, The, assignee: *See*—
Patriquin, William G.

Galvin, John F., St. Louis, Mo. Display stand. 2,599,380, June 3.

Garbarini, Robert F., Woodside, and J. R. Ericson, Westbury, N. Y., assignors to The Sperry Corporation. True air speed and true altitude rate meter. 2,598,681, June 3.

Garland, Mather, Mound, Minn. Clamp for constricting flexible tubular elements and the like. 2,598,901, June 3.

Garner, Abel E., New York, N. Y., and P. W. Getschman, Kenosha, assignors to Worldsbest Industries, Inc., Cudahy, Wis. Curtain stretcher. 2,598,779, June 3.

Garner, Claude M., Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Gas valve. 2,598,902, June 3.

Garnier, Georges, assignor to Air-Equipment, Paris, France. Telescopic shafting arrangement. 2,598,780, June 3.

Garrett, Elmer E.: *See*—
Essex, Alois, Garrett, and Kallenberg.

Garrett, Robert W., Coulterville, Ill. Wheeled harrow. 2,599,251, June 3.

Gates, Jack R., near Corvallis, Oreg., and J. F. Schuler, assignors to Boeing Airplane Company, Seattle, Wash. Retractable door handle. 2,599,054, June 3.

Gavin, Robert C., assignor to Humphreys & Glasgow Limited, Westminster, England. Apparatus for raising and transporting loads. 2,599,444, June 3.

Gebhard, Irvin L., Modesto, Calif., assignor to Western Contracting Corporation, Sioux City, Iowa. Canal lining machine. 2,598,903, June 3.

Gebler, Kenneth A., Verona, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Shaped zircon ceramic bodies and composition and producing the same. 2,598,904, June 3.

Geigy, J. R., A. G., assignee: *See*—
Stoll, Willy, and Morel.

Gemco Shaper Company, assignee: *See*—
Hicks, Harold E.

Gemuenden, William C.: *See*—
Martindale, Harvey E., and Gemuenden.

Gendron Wheel Company, assignee: *See*—
Foley, Hanceal W.

General Aniline & Film Corporation, assignee: *See*—
Glickman, Samuel A.
Grimmel, Harry W., Richter, and Morgan.

General Bronze Corporation, assignee: *See*—
Peremi, Edmund.

General Cigar Co., Inc., assignee: *See*—
Frankenburg, Walter G.

General Electric Company, assignee: *See*—
Brown, Robert W.
Bukaty, Raymond M.
Burgess, Neil.
Catalano, Victor J.
Clark, David L., and McNairy.
Dayton, Carl S.
De Carli, Earl V.
Favre, John A.
Feher, Cecil W.
Hoare, Stephen C.
Lester, Burton R.
Michel, Philip C.
Minneci, Salvatore, McKenney and De Noyers.
Nelson, Thomas F.
Norman, Wayne R.
Potter, Everett F.
Reisch, George J.
Rex, Charles H.
Rowell, Ralph M.
Thumim, Carl.
Woodson, Thomas T.
Worst, Joseph C., and Dayton.

General Mills, Inc., assignee: *See*—
Aske, Leonard E.
Huch, William F.
Schweiso, Clifford C.

General Motors Corporation, assignee: *See*—
Swan, Harry C., and Riedel.

Gerbaud, Henri, New York, N. Y. Doll and the like. 2,598,781, June 3

Gerks, Irvin H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Axis converter. 2,599,381, June 3.

Gerlach, Hugo, assignor to Block & Anderson Limited, London, England. Master clip opening means for rotary duplicating machines. 2,599,252, June 3.

Getschman, Paul W.: *See*—
Garner, Abel E., and Getschman.

Gilbreath, J. D., Alpine, Tex. Automobile engine belt tool. 2,599,102, June 3.

Gill, James C., Indianapolis, Ind. Aligning and spacing device for eggs. 2,598,905, June 3.

Gillis, George H., Fitchburg, Mass. Track shoe with cushioned heel-receiving pocket. 2,598,782, June 3.

Giovannoni, Cash E., Boulder City, Nev. Ski attachment for wheeled vehicles. 2,598,682, June 3.

Gits, Joseph A., assignor of one-half to Jules P. Gits, Chicago, Ill. Angular head flashlight casing, including a readily attachable lamp contact means. 2,599,253, June 3.

Gits, Joseph A. and J. P., assignors to Gits Molding Corporation, Chicago., Ill. Angular head flashlight casing, including a readily attachable reflector contact means. 2,599,254, June 3.

Gits, Jules P., assignee: *See*—
Gits, Joseph A.

Gits, Jules P.: *See*—
Gits, Joseph A. and J. P.

Gits Molding Corporation, assignee: *See*—
Gits, Joseph A. and J. P.

Gittus, Lillie R., administratrix, assignee: *See*—
Gittus, Virgil O.

Gittus, Virgil O., deceased, Brooklyn, N. Y.; L. R. Gittus, administratrix, to herself. Method and apparatus for measuring and varying the color quality of light. 2,598,783, June 3.

Glasgow, Clearance O., assignor to National Tank Company, Tulsa Okla. Emulsion treating methods and means. 2,598,988, June 3.

Glickman, Samuel A., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Triphenylmethane dyes. 2,598,660, June 3.

Globe Slicing Machine Co., Inc., assignee: *See*—
Zimmermann, Carl T.

Goddard, Esther C., executrix: *See*—
Goddard, Robert H.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Liquid fuel feeding means for resonance combustion chambers. 2,599,103, June 3.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Valve mechanism for rotating feeding head for combustion chambers. 2,599,104, June 3.

Golay, Marcel J. E., Long Branch, N. J. Corrected delay line. 2,598,683, June 3.

Goldberg, Ernest W., Chicago, Ill. Slide holder. 2,599,382, June 3.

Goldblatt, Leo A., New Orleans, La.; N. C. McConnell, Olustee, and H. B. Summers, Jr., Lake City, Fla., assignors to United States of America as represented by the Secretary of Agriculture. Pine gum distillation. 2,598,684, June 3.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,598,990, June 3.

Gollwitzer, Walter T., Euclid, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing machine. 2,598,991, June 3.

Gommel, Dewey E., assignor to E. C. Atkins and Company, Indianapolis, Ind. Hacksaw blade tensioning device. 2,598,784, June 3.

Goodhue, Lyle D., Bartlesville, Okla., and W. M. Florence, Manhattan, Kans., assignors to Phillips Petroleum Company. Thiosulfenyl dithiocarbamates as fungicides. 2,598,989, June 3.

Goodman Manufacturing Company, assignee: *See*—
Barry, Robert L., and Boesewetter.

Goodrich, B. F., Company, The, assignee: *See*—
Batiuk, Martin, and Shively.
Brucker, Ferdinand F.
Jones, Benjamin F.

Gordon, Elliot, Norwood, assignor to Rower Dental Mfg. Corp., Boston, Mass. Dental preparation and making it. 2,599,445, June 3.

Gordon, Marion H., Storm Lake, Iowa. Paper dispenser. 2,598,992, June 3.

Gorske, Stanley F., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Torque transmitting device. 2,598,993, June 3.

Gougeon, Russell A., Altadena, Calif. Electromagnetically operated signal producing resonator device. 2,598,994, June 3.

Graessle, Lowell R., Spencerville, Ohio. Hay cutter and loader. 2,599,255, June 3.

Graff, Christian F., Mechanicsburg, Pa. Food carrier assembly. 2,598,995, June 3.

Graham, Harold, Claremont, Calif. Rollable structure for beds and the like. 2,599,383, June 3.

Graham, Roy G.: *See*—
Tallman, Oscar F., and Graham.

Gray, Leffel E., Jr.: *See*—
Jones, Earl W., and Gray.

Green, Clarence J.: *See*—
Hook, Russell P., and Green.

Green, Irving, New York, N. Y. Revolving pillar shell. 2,598,906, June 3.

Green, Robert N., New York, N. Y. Fastener device. 2,599,105, June 3.

Greene, Norman, New York, N. Y. Resilient walled supply container with connected measuring trap chamber. 2,599,446, June 3.

Greenlief, Jasper, Camden, Ill. Material handling machine. 2,598,685, June 3.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Folding clothes drier. 2,598,686, June 3.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Anchoring means for the canopy of a combination sun shade and clothes drier. 2,598,687, June 3.

Griffin, Harry L., assignor to Dry-Or-Shade, Inc., New York, N. Y. Combination sunshade and clothes drier. 2,599,513, June 3.

Griffin, James J., Owosso, Mich., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Two-hand fluid pressure control of power machinery. 2,598,907, June 3.

Grimmel, Harry W., Providence, R. I., L. Richter, Easton, Pa., and J. F. Morgan, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Monoazo dyestuffs. 2,598,661, June 3.

Grimson, Samuel B., New York, N. Y., assignor to Color Research Corporation, Dover, Del. Coating head. 2,598,908, June 3.

Groban, Sidney L.: *See*—
Rubenstein, Robert, and Groban.

Groebe, John L., and J. T. Karbosky, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of gaseous hydrocarbon material streams. 2,598,785, June 3.

Gross, Leo: *See*—
Bruce, Edmond, and Gross.

Gross, William F., Webster Groves, Mo., and C. C. Rogers, Jr., San Antonio, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Solid stick corrosion inhibitors and a process for preventing corrosion of oil and gas well equipment. 2,599,384, June 3.

Gross, William F., Webster Groves, Mo., and C. C. Rogers, Jr., San Antonio, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Solid stick corrosion inhibitors and a process for preventing corrosion of oil and gas well equipment. 2,599,385, June 3.

Grubb, Gunnar A., Stockholm, and P. A. Backteman, Lulea, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerator having multiple temperature cooling elements. 2,598,737, June 3.

Gruen, Dieter M., and J. J. Katz, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Decomposition of complex metal phosphate salts. 2,599,326, June 3.

Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Regulated high-voltage supply. 2,598,909, June 3.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.

Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Last. 2,598,688, June 3.

Gunite Foundries Corporation, assignee: *See*—
Forbes, Duncan P.
Forbes, Duncan P., and Malthaner.

Gurley, Cecil N.: *See*—
Gurley, Roy N., L. R., and C. N.

Gurley, Leslie R.: *See*—
Gurley, Roy N., L. R., and C. N.

Gurley, Roy N., L. R., and C. N., Calgary, Alberta, Canada. Control apparatus for battery wind chargers. 2,598,662, June 3.

Guthrie, Charles G., Formby, assignor to M. E. P. Company Limited, Liverpool, England. Hatch cover. 2,599,106, June 3.

Haak, Werner H., Brookfield, Ill. Torch with concentric gas, oxygen, and mixture outlets. 2,598,787, June 3.

Hadden, George H.: *See*—
Campbell, Richard H., Jr., and Hadden.

Hadidian, Zareh, Needham, Mass., assignor to G. D. Searle & Co., Chicago, Ill. Sulfuric acid esters of hyaluronic acid and the production thereof. 2,599,172, June 3.

Haeseler, John A., Woodbridge, Conn. Camera with lens turret. 2,599,327, June 3.

Hager, Edward T.: *See*—
Wooddell, Charles E., Van Nimwegen, and Hager.

Haggerty, William T., Jr., and G. C. Ward, Cumberland, Md., assignor to Celanese Corporation of America, New York, N. Y. Dyeing of organic derivative of cellulose textile material involving the steps of impregnating it with a free leuco vat-dyestuff, oxidation, and alkaline reduction of the oxidized dystuff. 2,598,786, June 3.

Halgar Incorporated, assignee: *See*—
Hall, Frank G.

Hall, Frank G., assignor to Halgar Incorporated, Chicago, Ill. Hair pin. 2,599,447, June 3.

Haloid Company, The, assignee: *See*—
Walkup, Lewis E.

Hamilton, Bertis F., Columbus, Ind. Stool. 2,598,788, June 3.

Hamilton, Thomas F., Chicago, Ill. Dispensing apparatus. 2,599,173, June 3.

Hamilton, William H., Rome, and S. C. Hampton, Jr., Adairsville, Ga. Spraying attachment for tractors. 2,599,448, June 3.

Hampton, Scott C., Jr.: *See*—
Hamilton, William H., and Hampton.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,741, June 3.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,742, June 3.

Handwerk, Erwin C., Lehighton, and G. T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,744, June 3.

Handwerk, Erwin C., Lehighton, and L. D. Fetterolf, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Smelting of zinciferous ore. 2,598,745, June 3.

Hanneman, Robert G.: *See*—
Brixius, Jacob K., and Hanneman.

Hansen, William W., Stanford University, Calif., and E. J Barlow, Rutherford, N. J., assignors to The Sperry Corporation. Noise reduction system for radar. 2,598,689, June 3.

Happel, John, Brooklyn, and S. P. Cauley, Garden City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Reactivating alkali solutions used in treatment of hydrocarbon oils. 2,599,449, June 3.

Hardcastle, Philip, and E. P. Reid, Houston, Tex. Cam engaged clutch. 2,598,690, June 3.

Harrell, James A., Portland, Oreg. Pie holder. 2,598,789, June 3.

Harrison, John M., Dorchester, assignor to Aeolian-Skinner Organ Company, Inc., Boston, Mass. Electrical musical instrument. 2,598,790, June 3.

Harrison, Kenneth W., London, assignor to Telephone Manufacturing Company Limited, West Dulwich, London, England. Electric carrier wave signaling system. 2,598,966, June 3.

Hart & Cooley Manufacturing Co., assignee: *See*—
De Roo, William C.

Hartley, Jack K., Queensferry, near Chester, England, V. F. West and T. E. Edwards, Flint, Wales, assignors to Courtaulds Limited, London, England. Yarn twisting machine. 2,599,256, June 3.

Hastie, Henry B.: *See*—
Austin, Franklin L., and Hastie.

Hauser, Hugh, Detroit, Mich. Toggle-operated fly-tying vise. 2,599,174, June 3.

Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire treading mold. 2,598,791, June 3.

Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Paul E.

Haynes, George P.: *See*—
Letvin, Samuel, and Haynes.

Haynes, James D., Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich. Well treatment apparatus. 2,599,386, June 3.

Head, Victor P., Lacey Park, assignor to Fischer & Porter Company, Hatboro, Pa. Meter for determining flow rate and/or viscosity of fluids. 2,598,910, June 3.

Heald, Alfred M.: *See*—
Rumberger, George G., and Heald.

Hebestreit, Herold H., Mio, Mich. Jointing and molding machine. 2,599,107, June 3.

Heck, Joseph E.: *See*—
Littmann, Martin F., and Heck.

Heckard, Clifford L., and B. Anderson, Seattle, Wash., assignors to Boeing Airplane Company. Integrating device. 2,599,055, June 3.

Hefel, Karl, Innsbruck, Tyrol, Austria. Power transmission unit. 2,599,387, June 3.

Heine, Charles, New York, N. Y. Subway and train seat indicator. 2,598,792, June 3.

Heitchue, Regis D., Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature control valve. 2,599,175, June 3.

Heitlinger, Eugene V., Franklin Park, assignor to Felt and Tarrant Manufacturing Company, Chicago, Ill. Split accumulator mechanism. 2,599,257, June 3.

Helberg, Stanley E., Chicago, Ill. Film or plate holder for cameras. 2,598,911, June 3.

Held, Simon S., Paris, assignor of one-half to Etablissements Ed. Jaeger, Levallois-Perret, France. Movement for electric timepieces. 2,598,912, June 3.

Helt, Herbert M., Bellevue, assignor to Kool Vent Metal Awning Corporation of America, Pittsburgh, Pa. Awning construction. 2,598,691, June 3.

Helton, Frank L., San Benito, Tex. Lever actuated axially shifting type tire loosening apparatus. 2,598,793, June 3.

Henning, William W., Riverside, Ill., assignor to International Harvester Company. Rotary pump and motor hydraulic transmission system. 2,599,450, June 3.

Henrich, Gustav J., Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation. Manufacture of sodium 2,4,5-trichlorophenoxyacetate. 2,598,692, June 3.

Henry, Gilbert A., Burbank, Calif. Semipneumatic tire for toy vehicles. 2,599,176, June 3.

Henry, James E., Dayton, Ohio. Shoran intervalometer. 2,598,693, June 3.

Herbenar, Anton W., Ferndale, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Heat-and-quench hardening irregular objects such as gears. 2,598,694, June 3.

Herbert, John F.: *See*—
Brightly, Frederick C., Jr., and Herbert.

Hercules Motors Corporation, assignee: *See*—
Krug, George M.

Hickman, Kenneth C. D., and E. S. Barnitz, assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Vacuum bodying process. 2,599,451, June 3.

Hicks, Harold E., Webster Groves, Mo., assignor to Gemco Shaper Company. Shaping machine mechanism. 2,599,388, June 3.

Higgins, James: *See*—
Latta, Marvin, and Higgins.

Higginson, John, assignor to International Harvester Company of Canada, Limited, Hamilton, Ontario, Canada. Seed mechanism for grain drills. 2,599,452, June 3.

Hill, Henry E., Livingston, N. J., and D. B. Parkinson, Cleveland Heights, Ohio, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse sender with relay distributor. 2,598,695, June 3.

Hinz, Henry C., Jr.: *See*—
Schermerhorn, George R., Sr., and Hinz.

Hjorth, Norman E.: *See*—
Konick, Arthur E., and Hjorth.

Hjullan, Julius A., Palos Heights, assignor to Crane Co., Chicago, Ill. Extrusion apparatus. 2,598,913, June 3.

Hoare, Stephen C., Manchester, Mass., assignor to General Electric Company. Supply voltage variation compensation. 2,598,258, June 3.

Hoe, R., & Co. Inc., assignee: *See*—
Seed, Leslie C.

Hoeber, Barbara O. W., executrix: *See*—
Hoeber, Harold.

Hoeber, Harold, deceased, Dartmouth, Mass., by B. O. W. Hoeber, and W. T. Read, executors, Dartmouth, assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass. Shuttle box. 2,599,108, June 3.

Hoenselaar, Harry J., Detroit, Mich. Sliced meat joint such as ham and slicing same. 2,599,328, June 3.

Hoffmann-La Roche Inc., assignee: *See*—
Berger, Leo, and Lee.
Steiger, Norbert.

Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Leveling mechanism for headlight testers. 2,598,794, June 3.

Holmes, John A., assignee: *See*—
Hooks, John P.

Holroyd, Harry H., Camden, N. J. Tear gas gun. 2,599,177, June 3.

Holt, Matthew L., Madison, Wis., and H. J. Seim, Reno, Nev., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Electrodeposition of alloys of molybdenum with cobalt, nickel, and iron. 2,599,178, June 3.

Holterhoff, Hans A., New York, N. Y. Apparatus for producing moire fabrics. 2,598,795, June 3.

Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*—
Boyd, Winnett, and Tupper.

Hook, Russell P., and C. J. Green, assignors to Norton Company, Worcester, Mass. Cam grinding machine. 2,599,453, June 3.

Hooks, John P., assignor of fifteen per cent to J. A. Holmes, Chicago, Ill. License plate holder. 2,599,259, June 3.

Hoosac Mills Corporation, assignee: *See*—
Hoeber, Harold.

Hopkins, Robert K., Staten Island, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Furnace electrode. 2,599,179, June 3.

Hopps, Lewis: *See*—
Smith, Philip A., and Hopps.

Horton Manufacturing Company, assignee: *See*—
Jacobs, Clare S., and Wilcox.

Houghton, William, Langeloth, assignor of one-third to E. V. Sciamanna, Burgettstown, and one-third to B. J. Byrd, Langeloth, Pa. Garment hanger. 2,599,260, June 3.

Houlsby, George W., Jr., assignee: *See*—
Logan, George H.

Howk, Benjamin W.: *See*—
Castle, John E., and Howk.

Hubbs, Raymond D., East Moline, Ill. Gauge. 2,599,180, June 3.

Huber, Harry, and L. Brück, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. A periodic electronic blocking valve. 2,598,914, June 3.

Huch, William F., St. Paul, Minn., assignor to General Mills, Inc. Balloon with no load ring. 2,598,696, June 3.

Hudeley, Victor, Clichy, France. Structural photographic arrangement for obtaining three-dimensional images. 2,599,454, June 3.

Hughes, Edgar, assignor to The Meeker Company, Inc., Joplin, Mo. Billfold with unstitched center panel. 2,599,261, June 3.

Huithen, Sven I., Hoganas, Sweden, and M. H. A. Tikkanen, Helsingfors, Finland, assignors to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Reduction and sintering of bodies containing reducible metal compounds. 2,598,796, June 3.

Hume, William L., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Hydraulic fitting. 2,599,389, June 3.

Humphreys & Glasgow Limited, assignee: *See*—
Gavin, Robert C.

Huntington, Victor C., Kenmore, N. Y. Universal coupling. 2,599,329, June 3.

Hunziker, Fred, assignor to The Weatherhead Company, Cleveland, Ohio. Sawing machine. 2,599,056, June 3.

Hurst, Thomas L.: *See*—
Waring, Robert K., Fetterolf, and Hurst.

Huse, Hiram N., Providence, R. I. Preparation of extensible thread for winding about objects. 2,599,390, June 3.

Husemann, Henry C., St. Louis, Mo. Glass washing machine. 2,599,455, June 3.

Husqvarna Vapenfabriks Aktiebolag, assignee: *See*—
Hulthen, Sven I., and Tikkanen.
Renman, Göte.

Huzenlaub, Erich G., Chicago, Ill., and F. H. Rogers, Elmhurst, Kenley, England, assignors, by mesne assignments, to Converted Rice, Inc., Houston, Tex. Apparatus for the treatment of grains. 2,598,915, June 3.

Hydraulic Equipment Company, assignee: *See*—
Cooke, Conrad H.

Hydrocarbon Research, Inc., assignee: *See*—
Webb, George B.

Hyman, Joseph R., Oakland, Calif. Portable fire screen. 2,598,997, June 3.

Ibec Housing Corporation, assignee: *See*—
Praeger, Emil H.

Imperial Chemical Industries Limited, assignee: *See*—
Bennett, Alfred, Prince, and Edwards.
Chadderton, Tom, and Thornton.

Indiana Steel Products Company, The, assignee: *See*—
Smith, Philip A., and Hopps.

Industrial and Commercial Detergents Limited, assignee: *See*—
Resuggan, John C. L.

Ingle, Donald P., Defiance, and S. L. Reiches, Cleveland, assignors to All Star Products, Inc., Defiance, Ohio. Ion trap of uniform flux density. 2,598,916, June 3.

Ingram, Herbert M., Middletown, Ohio. Refrigerator construction. 2,598,917, June 3.

International Electronics Company, The, assignee: *See*—
Bobb, Lloyd J.

International Harvester Company, assignee: *See*—
Bellingher, Fred.
Downing, Rexford D., and Evers.
Henning, William W.
Orendorff, John W.

International Harvester Company of Canada, Limited, assignee: *See*—
Higgison, John.

International Minerals & Chemical Corporation, assignee: *See*—
Dancy, William B.

Ivie, Roger G., Oakland, Calif. Greasing apparatus. 2,599,456, June 3.

Jackson, Corwill, assignor to Jackson Vibrators, Inc., Ludington, Mich. Machine for placement of concrete and the like. 2,599,330, June 3.

Jackson Vibrators, Inc., assignee: *See*—
Jackson, Corwill.

Jacobs, Clare S., and M. F. Wilcox, Detroit, Mich., assignors, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind. Automatic washing machine. 2,598,918, June 3.

Jarabek, Florian, Cleveland, Ohio. Fish stringer. 2,599,057, June 3.

Jeanneret, Herbert, Geneva, Switzerland. Winding indicator. 2,599,109, June 3.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.

Jennings, Harry C.: *See*—
Everest, Herbert A., and Jennings.

Jensen, Arthur S., Princeton, N. J., assignor to Radio Corporation of America. Barrier grid storage tube. 2,598,919, June 3.

Jensen, Homer, Philadelphia, Pa. Method and apparatus for conducting geophysical surveys. 2,598,697, June 3.

Jensen, Homer, Philadelphia, Pa. Method and apparatus for magnetic explorations. 2,598,698, June 3.

Johansen, Gordon W., and W. E. Copley, Modesto, said Copley assignor of one-tenth to J. J. Lebeda and four-tenths to W. A. Yocom, Atwater, Calif. Reversible drive mechanism. 2,599,058, June 3.

Johnson, Earl R., Wichita, Kans. Dishwashing machine. 2,599,110, June 3.

Johnson, S. C., & Son, Inc., assignee: *See*—
Sesso, Louis M., and Jordan.

Jones, Benjamin F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preventing ice accumulation on airfoils. 2,599,059, June 3.

Jones, Earl W., Abilene, and L. E. Gray, Jr., Granger, Tex. Automatic control for wells. 2,599,458, June 3.

Jones, Edwin A., Harrison Township, Montgomery County, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Pilot and main burner unit. 2,599,457, June 3.

Jones, Leo D., Philadelphia, Pa., assignor to The Sharples Corporation. Industrial process and apparatus. 2,599,331, June 3.

Jones, Robert E., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Mine car sealing device. 2,598,797, June 3.

Jordan, Anna M.: *See*—
Sesso, Louis M., and Jordan.

Jordan, Frank, New York, N. Y. Window cleaning device. 2,598,699, June 3.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Murphy, Daniel C.

Kaiser, Joseph, Hollis, N. Y. Apparatus for making French cord binding. 2,598,700, June 3.

Kalenberg, John: *See*—
Essex, Alois, Garrett, and Kallenberg.

Källe, Karl T., Saffle, Sweden. Temperature responsive measuring and indicating apparatus. 2,599,459, June 3.

Kammerer, Archer W., Fullerton, Calif. Expansible rotary drill bit. 2,599,060, June 3.

Kaplan, Nathan, Atlanta, Ga. Artificial denture. 2,598,998, June 3.

Karbosky, Joseph T.: *See*—
Groebe, John L., and Karbosky.

Karlberg, Bror I. F.: *See*—
Bergqvist, Åke T., and Karlberg.

Katz, Joseph J.: *See*—
Gruen, Dieter M., and Katz.

Katzman, Morris, assignor to Process Chemical Company, Los Angeles, Calif. Interface modifiers and preparing same. 2,599,391, June 3.

Kaufmann, Phillip H., University Heights, Ohio. Timing device. 2,598,701, June 3.

Kay, Arthur J., Los Angeles, Calif. Mattress and cushion filler renovating machine. 2,599,181, June 3.

Kearney, James R., Corporation, assignee: *See*—
Tallman, Oscar F., and Graham.

Keith, Margaret W., New York, N. Y. Carrier for containers. 2,598,920, June 3.

Kellogg, M. W., Company, The, assignee: *See*—
Hopkins, Robert K.

Kellogg, M. W., Company, The, assignee: *See*—
Thompson, Elliott R.

Kelly, Paul C., Rehoboth Beach, Del. Crib attachment for beds. 2,598,999, June 3.

Kelvin & Hughes Limited, assignee: *See*—
Pritchard, Harold C., Thomas, and Roberts.

Kerns, Quentin A., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pulse type transformer. 2,599,182, June 3.

Kerr, Eva M., Pittsburgh, Pa. Cleaning stand for Venetian blinds. 2,598,798, June 3.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N,N-disubstituted-beta-halo-alkylamines. 2,599,600, June 3.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N,N-disubstituted-beta-halo-alkylamines. 2,599,601, June 3.

Kessler, Ward P., near Bristol Village, Ind. Weather stripping in window sash. 2,599,183, June 3.

Kicher, Carl L., Punxsutawney, Pa. Safety tag holder. 2,599,111, June 3.

Kiebert, Martin V., Jr., United States Navy, Arlington, Va. Sweep compression for use of frequency modulation range equipment. 2,598,702, June 3.

Kiene, William J., Park Ridge, Ill. Purging refrigeration systems. 2,598,799, June 3.

Kille, Lindley A., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Recording device. 2,599,392, June 3.

Kindseth, Harold V., assignor to Bemis Bro. Bag Co., Minneapolis, Minn. Bag supporting means for bag closing and sealing machines. 2,599,393, June 3.

Kingsley, David G., Mountain Lakes, and C. J. MacNamara, Dover, assignors to Stapling Machines Co., Rockaway, N. J. Cleat feeding mechanism. 2,599,460, June 3.

Kirman, Alexander O., assignor to Thermoplex International, Inc., New York, N. Y. Thermopitcher. 2,599,332, June 3.

Klement, John F., assignor to Ampco Metal, Inc., Milwaukee, Wis. Working and heat-treating a copper base alloy. 2,599,002, June 3.

Knudsen, Viggo J., San Mateo, Calif. Pipe handling sling. 2,598,921, June 3.

Koefoed, Karl E.: *See*—
Turner, Charles H., and Koefoed.

Kogel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerator embodying compact arrangement of air-cooled parts. 2,598,703, June 3.

Kohl, Walter H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Assembly device for resnatron filaments. 2,599,394, June 3.

Kohl, Walter H., assignors to Collins Radio Company, Cedar Rapids, Iowa. Filament temperature compensating device. 2,599,395, June 3.

Kolfenbach, John J.: *See*—
Morway, Arnold J., and Kolfenbach.

Konick, Arthur E., Collingswood, and N. E. Hjorth, Audubon, N. J., assignors to Radio Corporation of America. Two-phase motor control system. 2,598,922, June 3.

Koniger, Irving H., New York, N. Y. Fur seaming apparatus. 2,598,923, June 3.

Kopper, Edward, Winnetka, assignor to Peerless Equipment Company, Chicago, Ill. Shipping container. 2,598,800, June 3.

Koppers Company, Inc., assignee: *See*—
Nickels, Joseph E.

Kool Vent Metal Awning Corporation of America, assignee: *See*—
Helt, Herbert M.

Koskinen, Olavi M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid coupling element. 2,599,461, June 3.

Kawarsch, Arthur, Milwaukee, Wis. Wall attached closure remover with releasable retainer. 2,599,462, June 3.

Kronheim, Jacob, Cleveland Heights, Ohio. Seating and sleeping unit. 2,599,396, June 3.

Kronstein, Max, New York, N. Y. Insolubilizing and solidifying fatty acid esters of alcohols. 2,599,397, June 3.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of unsaturated alkyd resins and acrylamido compounds. 2,598,663, June 3.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of unsaturated amido compounds. 2,598,664, June 3.

Krueger, William F., Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Apparatus for determining the time of descent of instruments within boreholes. 2,599,112, June 3.

Krug, George M., assignor to Hercules Motors Corporation, Canton, Ohio. Lubricating apparatus for internal-combustion engines and the like. 2,598,801, June 3.

Kucinski, Bruno: *See*—
Fields, Herbert P., and Kucinski.

Kuntz, Robert H., Carbondale, Ill. Air regulator valve. 2,599,398, June 3.

Kvederis, Paul, Chicago, Ill. Foundry molding machine. 2,599,262, June 3.

La Bour Company, Inc., The, assignee: *See*—
La Bour, Harry E.

La Bour, Harry E., assignor to The La Bour Company, Inc., Elkhart, Ind. Shaft connection. 2,599,333, June 3.

Lacene Manufacturing Corporation, assignee: *See*—
Thomas, Charles C.

Lacher, Irvin W., Columbus, Ohio. Testing apparatus for voltage regulators for automative vehicles. 2,598,802, June 3.

Ladd, Elbert C., and H. W. Paxton, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Beta substituted gamma lactones. 2,598,803, June 3.

Lahey, Richard W.: *See*—
Banks, Reginald M., and Lahey.

Lal, Guy W., Osborn, Ohio. Mounting clamp. 2,598,704, June 3.

Lamb, Ann E., Wildwood, N. J. Attachment for eyeglasses. 2,599,463, June 3.

Landis & Gyr, A. G., assignee. *See*—
Fehr, Paul E.

Lantz, Alpha Perry, Washington, D. C. Portable foldable ironing board. 2,599,399, June 3.

Lapin, William: *See*—
Berkowitz, Joseph, and Lapin.

Larsen, Robert E., Chicago, Ill. Citrus fruit juicer. 2,599,464, June 3.

Larson, Lars G., Chicago, Ill. Extensible drop-leaf table. 2,598,804, June 3.

Larson, Louis T., Houston, Tex. Latch means. 2,598,805, June 3.

Latham, Allen, Jr., Jamaica Plain, Mass., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Seal for blast furnace hoppers and bells. 2,599,334, June 3.

Lathe, Frank E., Ottawa, Ontario, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada. Magnesia-alumina-silica refractories. 2,599,184, June 3.

Latta, Marvin, and J. Higgins, Mount Vernon, Ill. Automatic trot line setter. 2,599,113, June 3.

Lauer, Howard V., assignor to The National Cash Register Company, Dayton, Ohio. Hand stamp. 2,598,806, June 3.

Law, Russell R., and L. Pensak, Princeton, N. J., assignors to Radio Corporation of America. Ultrahigh-frequency electron discharge device. 2,599,263, June 3.

Lawson, Harry W., assignor to Alpine Corporation, Chicago, Ill. Flooring composition of blown petroleum residue and asbestos fiber. 2,599,264, June 3.

Lawson, William E., Jr., and W. E. Lawson, Sr., Rahway, N. J. Expansible toy and bank. 2,598,807, June 3.

Lawson, William E., Sr.: *See*—
Lawson, William E., Jr., and W. E., Sr.

Lebeda, Joseph J., assignee: *See*—
Johansen, Gordon W., and Copley.

Ledermann, Bill L., Beverly Hills, Calif. Telephone base accessory holder. 2,599,062, June 3.

Ledin, Sven Harald, Malarhojden, Sweden. Heating apparatus and radiation relay therefor. 2,598,808, June 3.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Shuttle car. 2,599,061, June 3.

Lee, John. *See*—
Berger, Leo and Lee.

Leek, Wayne E., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Accuracy shooting rest with recoil absorbing means. 2,599,265, June 3.

Leerburger, Allan B., New York, N. Y. Making stable plastic molding composition of low shrinkage and product obtained thereby. 2,599,400, June 3.

Lehmann, Max, assignor to The Baker-Raulang Company, Cleveland, Ohio. Industrial lift truck. 2,599,524, June 3.

Lehmann, René L., Paris, and J. Lintner, La Garenne Colombes, assignors to Bozel-Maletra Societe Industrielle de Produits Chimiques, Paris, France. Manufacture of glyoxal and polyglyoxal. 2,599,335, June 3.

Leighty, John A., assignor to Eli Lilly and Company, Indianapolis, Ind. Obtaining crystalline penicillin salts. 2,599,401, June 3.

Lemon, Joseph R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Fluid power transmitting device. 2,599,336, June 3.

Leonard, George H., Noroton Heights, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Mounting for articles. 2,599,003, June 3.

Lepp, Jack M., and J. A. Slyh, assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Refractory body. 2,599,185, June 3.

Lester, Burton R., Camillus, N. Y., assignor to General Electric Company. Electronic switching circuit. 2,599,266, June 3.

Letvin, Samuel, Philadelphia, Pa., and G. P. Haynes, Rockville Centre, assignors to Thermo Projects, Inc., New York, N. Y. Method and apparatus for the application of materials. 2,599,465, June 3.

Levings, Sherburne D., Winnetka, assignor to The Bastian-Blessing Company, Chicago, Ill. Cup support and drain. 2,598,665, June 3.

Levy, Harry W., assignee: *See*—
Widen, Herbert.

Lewin, Henry, Clarksville, Tenn. Stem remover for tobacco leaves. 2,599,267, June 3.

Lewis, Robert C.: *See*—
Efromson, Philip C., and Lewis.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Drake, John L.
Ricker, Richard W.

Lieber, Eugene, Chicago, Ill., and E. P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Lubricating oil additives. 2,599,337, June 3.

Liebl, Albert W., Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill. Conveyer mechanism for folding carton blanks. 2,598,809, June 3.

Lienhart, Jean, assignor to Compagnie Francaise De Raffinage, Paris, France. Apparatus for continuous catalysis. 2,599,466, June 3.

Lifson, William E., Elizabeth, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Motor fuel. 2,599,338, June 3.

Lilly, Ell, and Company, assignee: *See*—
Leighty, John A.

Lind, Erick W., Minneapolis, Minn. Trigger lock for one-trigger guns. 2,598,924, June 3.

Lindell, Sigurd I., Chicago, Ill., assignor to S & C Electric Company. Dropout fuse construction. 2,599,186, June 3.

Lindell, Sigurd I., Chicago, and C. H. Baker, Maywood, assignors to S & C Electric Company, Chicago, Ill. Circuit interrupter construction. 2,599,187, June 3.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Generating electrical energy from a radioactive source. 2,598,925, June 3.

Lindsey, Roy B., Phoenix, Ariz. Ore-washing apparatus. 2,599,402, June 3.

Lindström, Hugo: *See*—
Becklus, Ivar, and Lindström.

Lintner, Josef: *See*—
Lehmann, René L., and Lintner.

Lippincott, Samuel B., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Compositions containing a major amount of a wax and a minor amount of a copolymer of ethylene-1,2-dicarboxylic acids and their derivatives. 2,599,339, June 3.

Littmann, Martin F., West Middletown, and J. E. Heck, Monroe, assignors to Armco Steel Corporation, Middletown, Ohio. Increasing the permeability or oriented silicon steels. 2,599,340, June 3.

Livingston, Milton S., Belmont, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Magnetic peeler for proton synchrotron. 2,599,188, June 3.

Lober, Clarence B., U. S. Army, Dayton, Ohio. Self-adjusting wrench. 2,599,114, June 3.

Logan, George H., assignor, by mesne assignments, to G. W. Houlsby, Jr., Chicago, Ill. Door check mechanism. 2,598,926, June 3.

Lovegrove, Hubert J., Rio de Janeiro, Brazil. Hair comb. 2,599,115, June 3.

Ludi & Co., assignee: *See*—
Broegger, Carl.

Lummus Company, The, assignee: *See*—
Schutte, August H.

Lutz, Vergil M., Springfield, Ohio. Anticreeper railway rail. 2,599,004, June 3.

Lyman, Harold T., Milford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill. Wide range high-frequency tuner. 2,598,810, June 3.

Lyon, George A., Detroit, Mich. Wheel cover. 2,598,705, June 3.

M. E. P. Company Limited, assignee: *See*—
Guthrie, Charles G.

Macgeorge, William D., Havertown, and C. E. Roessler, Jr., assignors to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Plural scale indicator. 2,599,005, June 3.

Machlett Laboratories Incorporated, assignee: *See*—
Leonard, George H.

MacNamara, Clifford J.: *See*—
Kingsley, David G., and MacNamara.

Maculan, Rudolf, Vienna, Austria, assignor to Baumat A. G., Zurich, Switzerland. Producing hollow ceramic bodies. 2,599,268, June 3.

Maeder, Arthur: *See*—
Albrecht, Otto, and Maeder.

Mahan, John E., and S. D. Turk, Bartlesville, Okla., assignors to Phillips Petroleum Company. Polymerization of aromatic nitriles. 2,598,811, June 3.

Mahler, George T.: *See*—
Handwerk, Erwin C., and Mahler.

Maier, W. K., assignee: *See*—
Costa, Leone.

Malthaner, Sylvester A.: *See*—
Forbes, Duncan P., and Malthaner.

Manning, Robert M., Pampa, Tex. Self air-escaping floating valve. 2,598,706, June 3.

Marathon Corporation, assignee: *See*—
Rumberger, George G., and Heald.

Marco, Salvatore M., and W. L. Davis, Columbus, assignors to Toledo Scale Company, Toledo, Ohio. Electrically actuated weighing scale. 2,598,812, June 3.

Marecki, Joseph J.: *See*—
Critchlow, Howard T., Jr., and Marecki.

Margulis, Peter H., New York, N. Y. Footwear and making same. 2,599,116, June 3.

Markel, John M.: *See*—
Shouler, John E., and Markel.

Markle, Edward D., Jefferson City, Mo. Photographic stand. 2,599,269, June 3.

Marks, Charles B.: *See*—
Tenney, William L., and Marks.

Marquette Metal Products Company, The, assignee: *See*—
Carey, Leory J.
Gorske, Stanley F.

Martin, Chester T., McColl, S. C. Toy or miniature bed. 2,598,813, June 3.

Martin, Delmas, Lamar, Colo. Automatic spring tension varying means. 2,599,403, June 3.

Martin, Glenn L., Company, The, assignee: *See*—
Cooke, Conrad H.
Critchlow, Howard T., Jr., and Marecki.

Martindale, Harvey E., and W. C. Gemuenden, Menominee, Mich. Suction device for steam radiators. 2,599,467, June 3.

Mason-Neilan Regulator Company, assignee: *See*—
Rockwell, Ralph A.

Mathieson Chemical Corporation, assignee: *See*—
Fusco, Victor C.
Henrich, Gustav J.

Matthias, Bernd T., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical device embodying ferro-electric substance. 2,598,707, June 3.

Mauborgne, Paul, Niort, France. Line pickup device for fishing reel having nonrotary drums. 2,599,189, June 3.

Mavor & Coulson, Limited, assignee: *See*—
McCulloch, Thomas.

Maxson, Joe E., Sandusky, Ohio. Ladder extension. 2,599,117, June 3.

May and Scofield, assignee: *See*—
Ward, James L.

May, William A., Philadelphia, Pa. Dental impression tray. 2,598,927, June 3.

McAfee, Don G., Grand Rapids, Mich. Cupboard door closure. 2,598,814, June 3.

McCarthy, John C., assignee: *See*—
Schwenzer, George A.

McConnell, Nealy C.: *See*—
Goldblatt, Leo A., McConnell, and Summers.

McCorkell, Ernest A., Chicago, Ill. Holder for telephone handsets. 2,598,928, June 3.

McCulloch, Thomas, assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Conveyer and jack for shifting the same. 2,598,815, June 3.

McDermott, John P., Roselle, N. J., assignor to Standard Oil Development Company. New phosphorus containing compounds. 2,599,341, June 3.

McFarlane, Samuel B.: *See*—
Dolmetsch, Carl R., and McFarlane.

McGarry, James W., and H. A. Eads, assignors to Railroad Products Company, Cincinnati, Ohio. Water service device. 2,598,708, June 3.

McKeever, Charles H., Glenside, assignor, to Rohm & Haas Company, Philadelphia, Pa. Nonadecyl glycols. 2,599,468, June 3.

McKenney, James F.: *See*—
Minneci, Salvatore, McKenney and De Noyers.

McLemore, Harvey B., Okmulgee, Okla. Truss for quilting frames. 2,599,404, June 3.

McMillan, John P., Kosciusko, Miss. Fertilizer distributor. 2,599,118, June 3.

McNairy, Jacob W.: *See*—
Clark, David L., and McNairy.

McNiece, Irwin, Los Angeles, Calif. Four-in-hand necktie knot anchors. 2,599,190, June 3.

McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ethylene/butene-1,4-dioic acid monoester copolymers. 2,599,119, June 3.

Meadors, Victor G., Tulsa, Okla., assignor to Standard Oil Development Company. Increasing drilling fluid viscosity. 2,599,342, June 3.

Meckel, Leona M., assignee: *See*—
Reilly, Gordon P.

Meeker Company, Inc., The, assignee: *See*—
Elliff, Orla S.
Hughes, Edgar.

Megaw, Eric C. S., London, England, assignor to Radio Corporation of America. Magnetron. 2,599,270, June 3.

Meiling, John C., Provo, Utah. Wheel assembly. 2,599,120, June 3.

Melchior, Albert N. A., assignor to A. C. Cossor Limited, London, England. Universal type spring-pressed binding post. 2,599,006, June 3.

Menkemeller, Raymond, Cedar Rapids, Iowa, assignor to American Meter Company, Incorporated, Chicago, Ill. Fluid meter. 2,599,514, June 3.

Mennecier, Maurice, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Side wall sample taking apparatus. 2,599,405, June 3.

Merry, Edward C., assignor of one-half to G. M. Turner, Greensboro, N. C. Differential wheel unit for trailers or the like. 2,599,469, June 3.

Mesinger, William F., Mount Vernon, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method and apparatus for pumping a volatile liquid. 2,598,816, June 3.

Meunier, Roland J., Southbridge, Mass. Dental brush having looped bristles. 2,599,191, June 3.

Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Axial flow compressor, particularly for combustion gas turbine plants. 2,599,470, June 3.

Meystre, Charles, and A. Wettstein, Basel, Switzerland, assignors tto Ciba Pharmeceutical Products, Inc., Summit, N. J. 21-halocholadienes. 2,599,007, June 3.

Michael, Pierre L., and K. L. Robison, Houston, Tex. Billboard construction. 2,599,129, June 3.

Michel, Phillp C., Schenectady, N. Y., assignor to General Electric Company. Audio-frequency amplifier. 2,599,271, June 3.

Midgage Models, Inc., assignee: *See*—
Stewart, Willis G.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Octahydrophenanthrene carboxylic acid esters and making same. 2,599,471, June 3.

Mikolic, Charles R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Wire-wound tangential telemetric transmitter. 2,599,406, June 3.

Miller, Albert E., Lakeside, Ohio. Protective device for lubricant fittings. 2,599,472, June 3.

Miller, Avy L., North Hollywood, Calif. Safety control valve for gas burners. 2,599,063, June 3.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for rough milling and generative finishing of machine elements. 2,599,408, June 3.

Miller, Edwin A., Fairfield, Conn. Thermal relay. 2,599,473, June 3.

Miller, Eugene B., Chicago, Ill. Razor blade handle attachment. 2,599,407, June 3.

Miller, George B. C., Jr., Baltimore, Md. Window shade pull. 2,599,121, June 3.

Miller, Iva L., Minerva, Ohio. Shelf for wash tubs. 2,599,192, June 3.

Mills, Verna S., Mill Valley, Calif. Child carrier. 2,599,474, June 3.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Minneci, Salvatore, J. F. McKenney and E. J. De Noyers, Pittsfield, Mass., assignors to General Electric Company. Fast-acting switching device. 2,599,272, June 3.

Minshall-Estey Organ, Inc., assignee: *See*—
Campbell, Richard H., Jr., and Hadden.

Minton, John P., Dallas, Texas, assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismic prospecting. 2,599,064, June 3.

Mish, John, Jr., assignee: *See*—
Wlesztort, Vincent K.

Missouri Automatic Control Corporation, assignee: *See*—
Garner, Claude M.

Mitchell, John T., Memphis, Tenn. Water-powered actuator. 2,599,273, June 3.

Mohring, Robert W., Wheaton, Ill. Sash mounting. 2,598,817, June 3.

Moore, Robert C., Erdenheim, assignor to Philco Corporation, Philadelphia, Pa. Direct current reinsertion circuit. 2,598,929, June 3.

Morel, Charles J.: *See*—
Stoll, Willy, and Morel.

Morgan, Jack F.: *See*—
Grimmel, Harry W., Richter, and Morgan.

Morris, George R., deceased, Rochester, N. Y.; M. H. Morris, administratrix, assignor to H. E. Stonebraker, Rochester, N. Y. Hand scraping tool. 2,599,193, June 3.

Morris, Howard I., San Marcos, Calif. Mechanism for operating a closure for an opening. 2,598,709, June 3.

Morris, Mabel H., administratrix: *See*—
Morris, George R.

Morway, Arnold J., Clark, and J. J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company. High-temperature lubricating grease manufacture. 2,599,343, June 3.

Motorola, Inc., assignee: *See*—
Richards, Hans K.

Mowat, John H.: *See*—
Waller, Coy W., and Mowat.

Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 0-2,4,5-trichlorophenyl 0,0-dialkylphosphates. 2,599,515, June 3.

Moyle, Clarence L., Clare, assignor to The Dow Chemical Company, Midland, Mich. 0-2,4,5-trichlorophenyl 0,0-dialkylthlophosphates. 2,599,516, June 3.

Moynahan Bronze Company, assignee: *See*—
Cudini, Roger G.

Muirhead, James, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Filter. 2,598,818, June 3.

Mumma, Robert E.: *See*—
Desch, Joseph R., and Mumma.

Murnin, Edward A., Jr., Bethlehem, Pa. Rotary plug valve. 2,599,274, June 3.

Murphy, Daniel C., Palo Alto, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Container-carrier. 2,598,710, June 3.

Murphy, John B., Freeport, assignor to American Water Works Company, Incorporated, New York, N. Y. Device for removing seals from water wells and other purposes. 2,598,930, June 3.

Musso, Ferdinando P., Chicago, Ill. Shaver. 2,598,711, June 3.

Myers, Murray E., Lindenhurst, N. Y. Adjustable wood plug cutter. 2,598,712, June 3.

Narsted, John, Hampstead, Montreal, Quebec, Canada, assignor to Fuller Company. Clinker cooler. 2,598,931, June 3.

Natho, Paul J., Lockport, La., assignor to Pan American Production Company, Houston, Tex. Well pressure gauge. 2,598,932, June 3.

National Cash Register Company, The, assignee: *See*—
Desch, Joseph R., and Mumma.

National Cash Register Company, The, assignee: *See*—
Lauer, Howard V.

National Lead Company, assignee: *See*—
Espenschied, Helmut.

National Machinery Company, The, assignee: *See*—
Friedman, John H.

National Pneumatic Co., Inc., assignee: *See*—
Griffin, James J.

National Pneumatic Co., Inc., assignee: *See*—
Wood, Oliver W.
Weigele, Albert E.

National Smoke Control Corporation, assignee: *See*—
Stevenson, Thomas K.

National Tank Company, assignee: *See*—
Glasgow, Clarence O.

Nau, Wilmer H., Gates Mills, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing device. 2,599,194, June 3.

Nawman, Rollie B., assignor to Benner-Nawman, Inc., Oakland, Calif. Apparatus for handling and dumping stacked articles. 2,598,713, June 3.

Neese, Alonzo A., assignor to Beloit Iron Works, Beloit, Wis. Synchronous drive. 2,598,820, June 3.

Neilsen, Hildaur L., Metuchen, N. J., and A. Neustadter, New York, N. Y. Address listing device. 2,598,819, June 3.

Nelson, John A., Oakmont, and C. W. Schuck, New Kensington, Pa., assignors to Continental Copper & Steel Industries, Inc., New York, N. Y. Machinable high cobalt low carbon alloys for die-casting molds. 2,598,714, June 3.

Nelson, Thomas F., Stratford, Conn., assignor to General Electric Company. Folding electric food mixer. 2,599,275, June 3.

Nemetz, Gustav, deceased, Vienna, Austria, by V. Nemetz, administratrix, assignor to Alex. Friedmann, Kommandit-Gesellschaft, Vienna, Austria. Lubricating pump. 2,599,195, June 3.

Nemetz, Valerie, administratrix: *See*—
Nemetz, Gustav.

Neustadter, Arnold: *See*—
Neilsen, Hildaur L., and Neustadter.

Nevin, Edward J., St. Louis County, Mo. Knife assembly for rotary cutters. 2,598,933, June 3.

New Jersey Zinc Company, The, assignee: *See*—
Handwerk, Erwin C., and Fetterolf.
Handwerk, Erwin C., and Mahler.
Waring, Robert K., Fetterolf, and Hurst.

Newkirk, Clarence E., Lynwood, Calif. Wheeled disk harrow. 2,599,065, June 3.

Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Temple mounting means for looms. 2,598,821, June 3.

Nicholson, John A. L.: *See*—
Ore, Carl V., and Nicholson.

Nickels, Joseph E., assignor to Koppers Company, Inc., Pittsburgh, Pa. Separation of naphthalene isomers. 2,598,715, June 3.

Nolte, Albert C., trustee, assignee: *See*—
Stempel, Laszlo M.

Norden Laboratories Corporation, The, assignee: *See*—
Schaefer, Carl F.

Norman, Wayne R., Schenectady, N. Y., assignor to General Electric Company. Wick hypsometer. 2,599,276, June 3.

North American Aviation, Inc., assignee: *See*—
Parker, Norman F.

Norton Company, assignee: *See*—
Hook, Russell P., and Green.

Norton, James F.: *See*—
Snyder, Jacob R., and Norton.

Novi Equipment Company, assignee: *See*—
Adler, Herman G.

Nygaard, Herman, assignor to Daystrom Electric Corporation, Poughkeepsie, N. Y. Magazine for magnetic wire recorders. 2,598,716, June 3.

Oberman, Roelof M. M., The Hague, Netherlands. Signaling system with private branch exchange subscriber. 2,598,822, June 3.

Oberman, Roelof M. M., The Hague, Netherlands. Telegraph exchange for lines with simplex or duplex characteristics. 2,599,344, June 3.

Oberman, Roelof M. M., and A. Snijders, The Hague, Netherlands. Regenerative repeater. 2,599,345, June 3.

Offen, Bernard, Chicago, Ill. Chilling roll. 2,599,346, June 3.
O'Grady, Austin P. J., Lindfield, near Sydney, New South Wales, Australia. Inhalant preparation. 2,598,823, June 3.
Ohio Crankshaft Company, The, assignee: *See*— Herbenar, Anton W.
Oliver Corporation, The, assignee: *See*— Phelps, Alva W.
O'Neill, James V., and E. E. Overmier, Emporium, Pa., assignors to Sylvania Electric Products Inc. Electrical socket device. 2,598,824, June 3.
Ore, Carl V., Harvey, and J. A. L. Nicholson, Odin, assignors to Roberts and Schaefer Company, Chicago, Ill. Separator, having flow-directing and self-sealing discharge means. 2,598,934, June 3.
Orellana, Ildefonso G., Mayfield Heights, assignors to The Republic Steel Corporation, Cleveland, Ohio. X-ray testing apparatus. 2,598,825, June 3.
Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet harvester loading cart. 2,599,475, June 3.
Orr, John H., assignor to Carbodies Limited, Coventry, England. Cover for a hood compartment of drophead motorcar bodies. 2,599,277, June 3.
Ortho Pharmaceutical Corporation, assignee: *See*— Berliner, Victor R.
Osborn, Edwin B., Kansas City, Mo. Windshield cover for automobiles. 2,599,066, June 3.
Osgood, Walter P., Malden, assignor to Boston Machine Works Company, Lynn, Mass. Machine for applying cement to platform wedge heels. 2,598,717, June 3.
Osgood, Walter P., Malden, Mass., assignor, by mesne assignments, to Authorite Company, Providence, R. I. Supporting means for roller identification devices. 2,599,278, June 3.
Osgood, Walter P., Malden, Mass., assignor, by mesne assignments, to Authorite Company, Providence, R. I. Identification and recording roller. 2,599,279, June 3.
Osmose Wood Preserving Co. of America, Inc., assignee: *See*— Chrzanowski, Roman H.
Otto, C., Dr., & Company, G. m. b. H., assignee: *See*— Cramer, Friedrich W., and Saffran.
Otto, Carl, Manhasset, N. Y. Production of ammonium sulfate. 2,599,067, June 3.
Overmier, Eugene E.: *See*— O'Neill, James V., and Overmier.
Owens-Corning Fiberglas Corporation, assignee: *See*— Brady, David R.
Pabco Products Inc., assignee: *See*— Stolz, Frederick A., and Vaught.
Pacific Mills, assignee: *See*— Wilkie, Robert C.
Package Machinery Company, assignee: *See*— Palmer, Charles E.
Palmer, Adele, assignee: *See*— Palmer, Charles M.
Palmer, Charles E., Somers, Conn., assignor to Package Machinery Company, East Longmeadow, Mass. Box forming machine. 2,599,008, June 3.
Palmer, Charles M., Washington, D. C., assignor to A. Palmer, Brooklyn, N. Y. Eyelash curler. 2,598,718, June 3.
Palmer, Charles M., Washington, D. C., assignor to A. Palmer, Brooklyn, N. Y. Eyelash curler. 2,598,719, June 3.
Palotsee, John J., Youngstown, Ohio. Hone. 2,599,009, June 3.
Pan American Production Company, assignee: *See*— Natho, Paul J.
Pan, Wen Yuan, Collingswood, N. J., assignor to Radio Corporation of America. Interference-reducing system. 2,598,935, June 3.
Paola, Elizabeth G., Washington, D. C. Girdle. 2,598,720, June 3.
Papesch, Viktor, Morton Grove, and E. F. Schroeder, assignors to G. D. Searle & Co., Chicago, Ill. Disubstituted cyanoalkanoylureas and thioureas and their production. 2,598,936, June 3.
Park, Helen, executrix: *See*— Park, William H.
Park, William H., deceased, Hooton, Wirral, England, by H. Park, executrix, Hooton, Wirral, assignor to Sigmund Pumps Limited, Gateshead, England. Seal between relatively rotatable parts. 2,599,122, June 3.
Parker, James L., assignor to Prime Products Inc., Tampa, Fla. Producing a juice blend. 2,599,476, June 3.
Parker, Norman F., Los Angles, Calif., assignor to North American Aviation, Inc. Curve follower. 2,598,937, June 3.
Parkinson, David B.: *See*— Hill, Henry E., and Parkinson.
Parks, Charles O., East Norwalk, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sender test circuit. 2,599,409, June 3.
Parva Products Company, assignee: *See*— White, Paul W.
Patriquin, William G., assignor to The Gabriel Company, Cleveland, Ohio. Shock absorber. 2,599,477, June 3.
Patterson, Thomas A.: *See*— Daniel, Al F., and Patterson.
Paxton, Homer W.: *See*— Ladd, Elbert C., and Paxton.
Peerless Equipment Company, assignee: *See*— Kopper, Edward.
Peirce, Charles P., assignee: *See*— Steinbach, Emil C., and Ewald.
Pence, David B.: *See*— Armstrong, Paul L., and Pence.
Pensak, Louis: *See*— Law, Russell R., and Pensak.
Peremi, Edmund, Bayside, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Window construction. 2,599,196, June 3.
Permo, Incorporated, assignee: *See*— Andres, Lloyd J.
Pernitz, Kalman, Milwaukee, Wis. Rotatably supported adjustable painter's work holder. 2,599,010, June 3.
Perrine, Robert O., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric motor control. 2,598,826, June 3.
Peters, Carl E., University City, D. W. Rau, Kirkwood, and A. H. Bruemmer, St. Louis, Mo., assignors to Vickers, Incorporated. Apparatus for making devices which have solenium as constituent parts thereof. 2,599,478, June 3.
Petersen, Ove, Gentofte, Denmark. Reversing arrangement in two-stroke engines. 2,599,479, June 3.
Petrolite Corporation, Ltd., assignee: *See*— Gross, William F., and Rogers.
Pettigrove, John R., Beaumont, Tex., assignor to Phillips Petroleum Company. Mud density measuring device. 2,598,827, June 3.
Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turbine power plant having auxiliary-turbine driven by fuel gas being supplied to the combustion chamber. 2,599,480, June 3.
Phelps, Alva W., Kenilworth, Ill., assignor to The Oliver Corporation. Track link. 2,598,828, June 3.
Philadelphia Valve Company, assignee: *See*— Ziegler, Ralph B.
Philco Corporation, assignee: *See*— Moore, Robert C.
Philippe, Maurice, Courbevoie, assignor to Societe Anonyme A. B. G., and Societe Civile d'Etude des Inventions et Procedes Philippe, Paris, France. Mounting of movable tables on machine-tool beds. 2,598,938, June 3.
Phillips, Asa W., Melvindale, Mich. Lawn sprinkler. 2,599,280, June 3.
Phillips Petroleum Company, assignee: *See*— Cutforth, Howard G.
Goodhue, Lyle D., and Florence.
Groebe, John L., and Karbosky.
Mahan, John E., and Turk.
Pettigrove, John R.
Ryan, Martin A.
Phipard, Harvey F., Jr., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Display card for taped screws. 2,599,011, June 3.
Pimley, Gordon H., Preston, assignor to Dobson & Barlow Limited, Bolton, England. Building mechanism for packages of yarn. 2,599,347, June 3.
Pinkney, Paul S., Niagara Falls, N. Y., B. C. Pratt and W. J. Wayne, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of ethylene with an alkyl acrylate and an alkyl monoester of a butene-1,4-dioic acid. 2,599,123, June 3.
Plattner, Placidus, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products Inc., Summit, N. J. Reduction of steroid epoxides. 2,599,481, June 3.
Pokorny, Stephen S., Maquoketa, Iowa. Scoop swinging mechanism. 2,599,348, June 3.
Pollard, Ernest, Bradford, England. Endless driving belt. 2,598,829, June 3.
Popeil Bros., Inc., assignee: *See*— Popeil, Samuel J.
Popeil, Samuel J., assignor to Popeil Bros., Inc., Chicago, Ill. Doughnut maker. 2,599,012, June 3.
Porte, René, assignor to Societe Pour L'Union des Transports Ferroviaires et Routiers, Paris, France. Coupling for connecting trailers to power vehicles. 2,599,282, June 3.
Porter, Donald C., Tacoma, Wash. Pneumatically actuated veneer clipper. 2,598,721, June 3.
Potter, Everett F., Schenectady, N. Y., assignor to General Electric Company. Arc welding. 2,599,281, June 3.
Potter, Louis E., Merchantville, N. J., assignor to Radio Corporation of America. Adjacent channel rejection by magnetostriction. 2,599,068, June 3.
Praeger, Emil H., Brooklyn, assignor to Ibec Housing Corporation, New York, N. Y. Apparatus for molding concrete walls. 2,598,830, June 3.
Pratt, Burt C.: *See*— Pinkney, Paul S., Pratt, and Wayne.
Prehy Co., Incorporated, The, assignee: *See*— Coney, Robert L.
Weber, Carl.
Prescott, Norman F., Wenham, assignor to Atwood & Morrill Co., Salem, Mass. Control system for catalytic reactors. 2,599,197, June 3.

Price, Manley R., Lakewood, Ohio, assignor to The Celotex Corporation, Chicago, Ill. Screw and screw hold applying machine for acoustical tile and the like. 2,599,283, June 3.
Prill, Erhard J., Cresskill, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Separation of products obtained from isobutylene-nitrosyl chloride adduct. 2,599,482, June 3.
Prime Products Inc., assignee: *See*— Bruce, John A.
Parker, James L.
Prince, Donald H.: *See*— Bennett, Alfred, Prince, and Edwards.
Pringle, William L., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Hub and brake assembly. 2,599,013, June 3.
Pritchard, George A., Atlantic Beach, Fla. Weather shield for automobile windows. 2,599,014, June 3.
Pritchard, George A., Atlantic Beach, Fla. Shield for automobile windows. 2,599,015, June 3.
Pritchard, Harold C., L. L. Thomas and G. E. Roberts, South Farnborough, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Gyromagnetic compass apparatus. 2,599,124, June 3.
Pritchett, David E.: *See*— Stevens, Jesse W., and Pritchett.
Probst, John B., Cheviot, assignor to Clopay Corporation, Cincinnati, Ohio. Window shade attachment. 2,599,410, June 3.
Process Chemical Company, assignee: *See*— Katzman, Morris.
Providence Pile Fabric Corp., assignee: *See*— Symonds, Bernard K.
Provost, Camille, Jeanerette, La. Sugar mill housing. 2,599,125, June 3.
Pulliam, Dudley C., Chicago, Ill. Filament support. 2,599,411, June 3.
Radio Corporation of American, assignee: *See*— Blitz, Daniel.
Cuccia, Carmen L.
Grundmann, Gustave L.
Jensen, Arthur S.
Konick, Arthur E., and Hjorth.
Law, Russell R., and Pensak.
Linder, Ernest G.
McGaw, Eric C. S.
Pan, Wen Y.
Potter, Louis E.
Smith, John P.
Sziklai, George C.
Westwood, David H.
Railroad Products Company, assignee: *See*— McGarry, James W., and Eads.
Rainey Accounting Machine Company, Inc., assignee: *See*— Rainey, Clifton K.
Rainey, Clifton K., assignor, by mesne assignments, to Rainey Accounting Machine Company, Inc., Knoxville, Tenn. Front feed carriage for typing, printing, and computing machines. 2,598,939, June 3.
Ramey, John C., Waynesburg, Ky. Providing an object with wheels and axles. 2,598,831, June 3.
Rand, H. J., Washing Machine Corp., assignee: *See*— Rand, Henry J.
Rand, Henry J., assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio. Washing machine. 2,599,483, June 3.
Randol, Glenn T., St. Louis, Mo. Automotive power drive control system and mechanism. 2,599,525, June 3.
Raspet, August, Locust Valley, N. Y., assignor to Specialties, Inc. Film speed control for aerial cameras. 2,599,517, June 3.
Rau, David W.: *See*— Peters, Carl E., Rau, and Bruemmer.
Raytheon Manufacturing Company, assignee: *See*— Wild, Norman R.
Read, William T., executor: *See*— Hoeber, Harold.
Reed, Daniel E., Norwalk, Conn., assignor to Supersite Corporation, Bronx, N. Y. Rearview mirror apparatus. 2,599,412, June 3.
Reed, Roland D., Hamilton Square, N. J. Helical linear reactance. 2,599,126, June 3.
Refining Unincorporated, assignee: *See*— Taub, Abraham.
Reichertz, Paul P., Dallas, Tex., assignor, by mesne assignments to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Drilling mud resistivity meter. 2,599,413, June 3.
Reiches, Sol L.: *See*— Ingle, Donald P., and Reiches.
Reid, Eric P.: *See*— Hardcastle, Philip, and Reid.
Reilly, Gordon P., Catonsville, assignor of fifty per cent to L. M. Meckel, Baltimore, Md. Sound regulator for telephone ringers. 2,599,198, June 3.
Reindl, Joseph, Topanga, Calif. Fuel mixer for internal-combustion engines. 2,598,832, June 3.
Reisch, George J., Stratford, Conn., assignor to General Electric Company. Oscillating fan. 2,599,284, June 3.
Remington Arms Company, Inc., assignee: *See*— Leek, Wayne E.
Renfrew Electric and Refrigerator Co. Limited, assignee: *See*— Beal, James F.
Renman, Göte, assignor to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Electrolytic deposition of iron in the form of powder. 2,598,833, June 3.
Renner, Herbert O., Des Plaines, assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Refining soybean lecithin. 2,599,016, June 3.
Republic Steel Corporation, assignee: *See*— Latham, Allen, Jr.
Republic Steel Corporation, The, assignee: *See*— Orellana, Ildefonso G.
Research Engineering & Manufacturing, Inc., assignee: *See*— Phipard, Harvey F., Jr.
Resuggan, John C. L., assignor to Industrial and Commercial Detergents Limited, London, England. Sterilizing detergent composition and use. 2,599,127, June 3.
Rex, Charles H., Marblehead, Mass., assignor to General Electric Company. Ovate roadway reflector. 2,599,285, June 3.
Rhodes, William A., Phoenix, Ariz. Steering control for model aircraft. 2,599,484, June 3.
Richards, Dorothy, assignee: *See*— Velghe, Alphonse.
Richards, Hans K., assignor to Motorola, Inc., Chicago, Ill. Frequency modulation system. 2,598,722, June 3.
Richter, George A., Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Spinning young viscose. 2,598,834, June 3.
Richter, Ludwig: *See*— Grimmel, Harry W., Richter, and Morgan.
Ricker, Richard W., Parkersburg, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Green-colored opal glass. 2,599,349, June 3.
Riedel, Walter W.: *See*— Swan, Harry C., and Riedel.
Robbins & Myers, Inc., assignee: *See*— Byram, Frederick C.
Roberts and Schaefer Company, assignee: *See*— Ore, Carl V., and Nicholson.
Roberts, Gwilym E.: *See*— Pritchard, Harold C., Thomas, and Roberts.
Roberts, Jesse E., St. Ignatius, Mont. Fish lure. 2,599,128, June 3.
Roberts, Ruth H., Whitefish Bay, Wis. Garment drier. 2,599,199, June 3.
Robie, Frank D., San Jose, Calif. Collapsible cover for vehicles. 2,598,940, June 3.
Robinson, J. P., assignee: *See*— Simons, Bert R.
Robinson, Joseph, New York, N. Y. Electric vaporizer. 2,599,485, June 3.
Robishaw, Earl J., assignor to A-1 Bit & Tool Company, Houston, Tex. Casing mill. 2,599,069, June 3.
Robison, Kenneth L.: *See*— Michael, Pierre L., and Robison.
Rockwell, Ralph A., Hingham, assignor to Mason-Neilan Regulator Company, Boston, Mass. Valve position indicator. 2,599,286, June 3.
Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Adjustable roll support. 2,599,414, June 3.
Roessler, Charles E., Jr.: *See*— Macgeorge, William D., and Roessler.
Rogers, Andrew E., New York, N. Y. Anchor raising and lowering means. 2,599,200, June 3.
Rogers, Charles, Jr.: *See*— Gross, William F., and Rogers.
Rogers, Francis H.: *See*— Huzenlaub, Erich G., and Rogers.
Rogers, Frank E., deceased, Patton, Pa.; J. Rogers, executrix, assignor to herself individually. Rattrap. 2,599,017, June 3.
Rogers, Gardiner M., Ithaca, N. Y. Fuel injector. 2,599,018, June 3.
Rogers, Josephine, executrix: *See*— Rogers, Frank E.
Rohm & Haas Company, assignee: *See*— McKeever, Charles H.
Rohr Aircraft Corporation, assignee: *See*— Brolaski, George R.
Rose, Werner P., Oakland, assignor to Werner Machine Company, Inc., Passaic, N. J. Heat-treating machine for textile material. 2,599,486, June 3.
Roth, Solo S., Yonkers, N. Y. Color television system. 2,598,941, June 3.
Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Wide frequency range power-factor meter. 2,599,287, June 3.
Rower Dental Mfg. Corp., assignee: *See*— Gordon, Elliot.
Rubenstein, Robert, and S. I. Groban, Chicago, Ill. Axial flow turbine oil line flow indicator. 2,599,201, June 3.
Rudel, Harry W., Roselle Park, and J. M. Boyle, Bayonne, N. J., assignors to Standard Oil Development Company. Oxidation inhibitor. 2,599,350, June 3.
Rumberger, George G., and A. M. Heald, Neenah, assignors to Marathon Corporation, Rothschild, Wis. Laminated sheet material. 2,599,130, June 3.

Rumpel, Harvey H., Whitefish Bay, assignor to Smith Engineering Works, Milwaukee, Wis. Jaw crusher with side thrust absorbing bearings. 2,598,942, June 3.

Rudblad, George J., Elmwood Park, assignor to Wilson-Jones Company, Chicago, Ill. Latching means for staple supporting slides. 2,599,131, June 3.

Rupert, Paul S., Curundu, C. Z. Shaving or toothbrush outfit holder and container. 2,599,019, June 3.

Russell, Cecil R., Tulsa, Okla. Putty removing device. 2,599,415, June 3.

Ryan, Martin A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Slip rod gauge. 2,598,835, June 3.

S & C Electric Company, assignee: *See*—
Lindell, Sigurd I.
Lindell, Sigurd I., and Baker.

Saecker, Carleton E., Closter, N. J. Bookholder. 2,599,416, June 3.

Saffran, Otto W. F.: *See*—
Cramer, Friedrich W., and Saffran.

Safstrom, Alden L., South Gate, Calif. Vertically adjustable table. 2,599,020, June 3.

Salerno, George F., Wilmette, and J. R. Brandt, assignors to Salerno Machinery Company, Chicago, Ill. Device for loading articles into containers. 2,599,487, June 3.

Salerno Machinery Company, assignee: *See*—
Salerno, George F., and Brandt.

Sampson, Frederick S., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical connection fastener. 2,599,488, June 3.

Sampson, William, Aldwych, London, England, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y. Steam boiler. 2,598,723, June 3.

Sanford Investment Company, The, assignee: *See*—
Jones, Robert E.

Sangamo Electric Company, assignee: *See*—
Snell, Maurice S.

Santo, Robert E., Montreal, Quebec, Canada. Meter for determining the amplitudes of sine waves recorded on disks. 2,599,351, June 3.

Sass, Elmer W., Quincy, Ill. Lock for firearm triggers. 2,599,132, June 3.

Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. True air-speed meter. 2,599,288, June 3.

Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Motor support. 2,598,836, June 3.

Schepis, Nunziato, Watertown, Mass. Hair curler. 2,598,837, June 3.

Schermerhorn, George R., Sr., and H. C. Hinz, Jr., Rochester, assignors to American Home Foods, Inc., New York, N. Y. Potato product. 2,598,838, June 3.

Schiffl, Charles, Montclair, N. J. Automatic correcting mechanism for time devices. 2,599,289, June 3.

Schilling, Clarence J., Allentown, Pa., assignor to Air Products, Incorporated. Method and apparatus for controlling fractionating columns. 2,599,133, June 3.

Schimpke, Albert J., Detroit, Mich. Apparatus for washing and conditioning air. 2,599,202, June 3.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of aluminum borohydride. 2,599,203, June 3.

Schlumberger Well Surveying Corporation, assignee: *See*—
Mennecier, Maurice.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Increasing the melting point of petrolatums and products resulting therefrom. 2,598,724, June 3.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Valve operating mechanism. 2,599,204, June 3.

Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Roof drain. 2,599,205, June 3.

Schmidt, Paul E., Chicago, Ill. Valve adjusting tool. 2,599,489, June 3.

Schneider, Benjamin B., Chicago, Ill., assignor to Texaco Development Corporation, New York, N. Y. Radiation detector. 2,599,352, June 3.

Schroeder, Elmer F.: *See*—
Papesch, Viktor, and Schroeder.

Schroer, Karl J., assignee: *See*—
Stark, Phillip A.

Schroer, Nelle, assignee: *See*—
Stark, Phillip A.

Schuck, Charles W.: *See*—
Nelson, John A., and Schuck.

Schuler, James F.: *See*—
Gates, Jack R., and Schuler.

Schulz, William H., St. Paul, Minn., and L. E. Boehm, Milwaukee, Wis., assignors, by mesne assignments, to Western Newell Mfg. Co., Freeport, Ill. Folding type can opener. 2,598,839, June 3.

Schundler, F. E., and Company, Incorporated, assignee: *See*—
Denning, Paul S.

Schutte, August H., Hasting on Hudson, assignor to The Lummus Company, New York, N. Y. Heater for hydrocarbon fluid. 2,598,840, June 3.

Schwaneke, Fred C., assignor to Dormeyer Corporation, Chicago, Ill. Food mixer. 2,599,070, June 3.

Schwarcz, Morton, Highland Park, assignor to The Edwal Laboratories, Inc., Ringwood, Ill. High contrast photographic developers. 2,599,518, June 3.

Schwarz, John, Los Angeles, Calif. Dispensing container for mustard, ketchup, and the like, having a slidable piston with hollow stem. 2,599,071, June 3.

Schweiso, Clifford C., Minneapolis, Minn., assignor to General Mills, Inc. Safety mechanism for pressure cookers. 2,599,072, June 3.

Schweizerische Lokomotiv- und Maschinenfabrik, assignee: *See*—
Sonderegger, Konrad.

Schwenzer, George A., Cincinnati, Ohio, assignor of one-third to H. D. Culver, Bellevue, Ky., and one-third to J. C. McCarthy, Cincinnati, Ohio. Stacking device. 2,599,290, June 3.

Sciamanna, Edward V., assignee: *See*—
Houghton, William.

Scofield, Roland R., Niles, Mich. Clothesline stretcher. 2,599,134, June 3.

Scott, Lewis L., St. Louis, Mo. Radiant heating system. 2,598,841, June 3.

Scott, Lewis L., St. Louis, Mo. Radiant heating system. 2,598,842, June 3.

Searle, G. D., & Co., assignee: *See*—
Hadidian, Zareh.
Papesch, Viktor, and Schroeder.

Se Bastian, Ford, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Portable ice-cream freezer. 2,599,021, June 3.

Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Fabricated press. 2,599,022, June 3.

Seed, Leslie C., Leeds, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Plate-straining mechanism for use in printing machines. 2,599,417, June 3.

Selm, Henry J.: *See*—
Holt, Matthew L., and Selm.

Seismograph Service Corporation, assignee: *See*—
Finn, Robert S.

Selck, Walter E., and Co., assignee: *See*—
Drain, Herbert D.

Seminario, Isadore, Lancaster, Calif. Automatic leveling mechanism for land levelers. 2,599,490, June 3.

Sesso, Louis M., and A. M. Jordan, assignors to S. C. Johnson & Son, Inc., Racine, Wis. Wax composition. 2,598,666, June 3.

Seybold, René, Strasbourg-Meinau, France. Ballasted reed for musical instruments. 2,599,135, June 3.

Sharples Corporation, The, assignee: *See*—
Jones, Leo D.

Shaul, Roger T., Columbus, Ohio. Auxiliary fuse-containing multiple outlet electrical connector. 2,599,023, June 3.

Sheldahl, David B., Griffith, Ind., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y. Prevention of corrosion. 2,598,725, June 3.

Sherman, Delmer F., New Plymouth, Idaho. Adjustable wheel and axle assembly. 2,599,136, June 3.

Sherwood, Frank D., Fresno, Calif. Pouring device. 2,598,843, June 3.

Shively, Harmon G.: *See*—
Batiuk, Martin, and Shively.

Shoosmith, Guy T., Chislehurst, England. Convertible bulldozer or shovel. 2,599,491, June 3.

Short, J. R., Milling Company, assignee: *See*—
Renner, Herbert O.

Shouler, John E., and J. M. Markel, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis. Spike-tooth harrow. 2,599,492, June 3.

Showalter, Jere C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Stainless emulsible grease. 2,599,353, June 3.

Shuey, Kenneth L.: *See*—
Archer, Clarence D., and Shuey.

Sigmund Pumps Limited, assignee: *See*—
Park, William H.

Simons, Bert R., Bartow, Fla., assignor of one-half to J. P. Robinson, Mobile, Ala. Collapsible baby bed. 2,598,884, June 3.

Simplicity Manufacturing Company, assignee: *See*—
Donald, Forrest V.

Sinclair Refining Company, assignee: *See*—
Friedman, Bernard S.
Sheldahl, David B.

Singer Manufacturing Company, The, assignee: *See*—
Spaine, Edward P.
Turner, Edgar P.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Packaging method. 2,599,493, June 3.

Sloan, Clifford K., Thornton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions. 2,599,494, June 3.

Sloane, Robert W., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid level control mechanism. 2,599,073, June 3.

Slyh, John A.: *See*—
Lepp, Jack M., and Slyh.

Smith, Albert P., Ava, assignor, by mesne assignments, to Barker Saw Company, Springfield, Mo. Portable rim-driven circular saw. 2,599,495, June 3.

Smith, Birt Z., Klamath Falls, Oreg. Combination cigarette holder and ash tray. 2,598,845, June 3.

Smith, Clyde J., assignee: *See*—
Wemp, Ernest E.

Smith Engineering Works, assignee: *See*—
Rumpel, Harvey H.

Smith, John P., Cranbury, N. J., assignor to Radio Corporation of America. Electronic delay system. 2,599,206, June 3.

Smith, Kline & French Laboratories, assignee: *See*—
Kerwin, James F., and Ullyot.

Smith, Leah K., assignee: *See*—
Wemp, Ernest E.

Smith, Philip A., Pelham Manor, N. Y., and L. Hopps, Darien, Conn., assignors to The Indiana Steel Products Company, Chicago, Ill. Fly rod reel. 2,598,846, June 3.

Snell, Maurice S., Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill. Instrument type switch. 2,598,847, June 3.

Snijders, Antonie: *See*—
Oberman, Roelof M. M., and Snijders.

Snyder, Jacob R., Cleveland, and J. F. Norton, Cleveland Heights, assignors to Thompson Products, Inc., Cleveland, Ohio. Valve structure. 2,598,848, June 3.

Soc. Per Azioni Stabilimenti Elettromeccanici Riuniti Ansaldo San Giorgio, assignee: *See*—
Battilana, Emilio.

Societe Anonyme A. B. G., assignee: *See*—
Philippe, Maurice.

Societe Civile d'Etude des Inventions et Procedes Philippe, assignee: *See*—
Philippe, Maurice.

Societe Pour L'Union Des Transports Ferroviaires Et Routiers, assignee: *See*—
Porte, René.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Caesar, Philip D.
Happel, John and Cauley.
Minton, John P.
Reichertz, Paul P.

Soffel, Robert O.: *See*—
Entz, Ferdinand S., and Soffel.

Soldan, Lewis E., San Diego, Calif. Vibrating equipment. 2,599,496, June 3.

Solomon, Nathan L., Englewood, N. J. Hair curler. 2,598,943, June 3.

Sonderegger, Konrad, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland. Oil-cooler arrangement in air-cooled internal-combustion engine. 2,598,849, June 3.

Sörensen, Harald M., Fruens Boge, Denmark, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Spare connected polyphase transductor. 2,599,137, June 3.

Soss, Mark, Spokane, Wash. Fountain paintbrush. 2,599,024, June 3.

Spahr, John P., Astoria, and A. Cajowski, Floral Park, N. Y. Metal plate rotary fastener. 2,599,207, June 3.

Spaine, Edward P., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitch-forming method and apparatus. 2,599,418, June 3.

Sparkletts Drinking Water Corporation, assignee: *See*—
Alex, Max.

Specialties, Inc., assignee: *See*—
Raspet, August.

Spelbring, Arthur R., Rochester, Mich. Jig saw. 2,598,850, June 3.

Sperry Corporation, The, assignee: *See*—
Braddon, Frederick D., Beach, Delanty, and Vacquier.
Essex Alois, Garrett and Kallenberg.
Garbarini, Robert F., and Ericson.
Hansen, William W., and Barlow.

Sperry-Sun Well Surveying Company, assignee: *See*—
Krueger, William F.

Spevak, Otto F., Berwyn, Ill. Traction device. 2,598,851, June 3.

Spicknall, Fred L., assignee: *See*—
Dirksen, Theodore L.

Sprague Electric Company, assignee: *See*—
Allison, William M.

Stableford, John L., London, England. Foldable golf bag carriage. 2,599,354, June 3.

Staege, Stephen A., assignor to The Black-Clawson Company, Hamilton, Ohio. Feed regulator for paper machinery. 2,598,852, June 3.

Stampen, Jacob J., Hollywood, Ill., assignor to Babson Bros. Co. Working the inner surface of a hollow body. 2,599,025, June 3.

Standard Oil Company, assignee: *See*—
Walker, Lonald L., and Dieman.
Weltkamp, Alfred W., and Bowman.

Standard Oil Development Company, assignee: *See*—
Cooper, Lyle M.
Lieber, Eugene, and Cashman.
Lifson, William E., and Cuncan.
Lippincott, Samuel B., and Young.
McDermott, John P.
Meadors, Victor G.
Morway, Arnold J., and Kolfenbach.
Rudel, Harry W., and Boyle.
Showalter, Jere C.

Stanton, Harriet E., Hampton, Va. Arm sling. 2,598,853, June 3.

Stapling Machines Co., assignee: *See*—
Kingsley, David G., and MacNamara.

Stark, Phillip A., assignor, by mesne assignments, to K. J. and N. Schroer, Kansas City, Mo. Multiple switch and multiple bulb electric lantern. 2,599,419, June 3.

Starr, Allan D., Carlinville, Ill. Illuminated toy vehicle. 2,599,208, June 3.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eyewire construction for spectacle frames. 2,599,074, June 3.

Steiger, Norbert, Nutley, assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Carbamylbenzene stibonic acids. 2,599,291, June 3.

Steinbach, Emil C., Chicago, and P. M. Ewald, Skokie, assignors to C. P. Peirce, Evanston, Ill. Overload release coupling. 2,599,292, June 3.

Steinmetz, Joseph J., Merrick, N. Y. Humidity controlling hygrometer. 2,598,727, June 3.

Stempel, Laszlo M., assignor to L. M. Stempel, New York, and A. C. Nolte, Plandome, N. Y., as joint trustees. Resilient bearer structure for rotary printing presses. 2,598,726, June 3.

Stepp, Anna K., Cleveland, Ohio. Baby garment. 2,599,355, June 3.

Stevens, Jesse W., Upland, and D. E. Pritchett, Ontario, assignors to Sunkist Growers, Inc., Los Angeles, Calif. Citrus juice products having stabilized cloud and making the same. 2,599,519, June 3.

Stevenson, Thomas K., assignor to National Smoke Control Corporation, Cleveland, Ohio. Apparatus for separating solids from currents of gases. 2,599,139, June 3.

Stewart, Patterson O., assignee: *See*—
Agin, Julius.

Stewart, Willis G., assignor to Midgage Models, Inc., Portsmouth, R. I. Model electric locomotive. 2,599,138, June 3.

Stoll, Willy, Basel, and C. J. Morel, Arleshelm, Basel-Land, assignors to J. R. Geigy A. G., Basel, Switzerland. Basic stilbene derivatives. 2,599,497, June 3.

Stolz, Frederick A., San Francisco, and E. J. Vaught, Jr., Oakland, Calif., assignors to Pabco Products Inc. Asbestos-aluminum powder paint. 2,598,854, June 3.

Stonebraker, Harold E., assignee: *See*—
Morris, George R.

Strayer, William B., Miamisburg, Ohio. Wrench having axially cammed collet. 2,599,026, June 3.

Strebinger, Richard R., assignor to Bendix Aviation Corporation, South Bend, Ind. Electrically controlled dashpot for carburetor throttles. 2,598,855, June 3.

Stroup, Donald H., Cleveland, Ohio. Closure element for air ducts. 2,599,075, June 3.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Tractor mounted sweep rake. 2,598,944, June 3.

Sturdi-Bilt Steel Products, Inc., assignee: *See*—
Franks, Norvin H.

Sturgis, Charles E., Rochester, N. Y. Abrading brush. 2,599,076, June 3.

Sturgis, Charles E., Rochester, N. Y. Rotary tool for scraping tube interiors. 2,599,077, June 3.

Sturgis Posture Chair Company, assignee: *See*—
Van Buren, Tracy H.

Summers, Hugh B., Jr.: *See*—
Goldblatt, Leo A., McConnell, and Summers.

Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Automatically locking zipper. 2,599,078, June 3.

Sunkist Growers, Inc., assignee: *See*—
Stevens, Jesse W., and Pritchett.

Supersite Corporation, assignee: *See*—
Reed, Daniel E.

Suska, Charles R., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Diaphragm valve. 2,599,498, June 3.

Swan, Harry C., and W. W. Riedel, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Snap action switch. 2,598,856, June 3.

Sylvania Electric Products Inc., assignee: *See*—
O'Neill, James V., and Overmier.

Symonds, Bernard K., Providence, assignor to Providence Pile Fabric Corp., Pawtucket, R. I. Pile fabric and making same. 2,599,293, June 3.

Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television signal converter. 2,598,857, June 3.

Tallman, Oscar F., and R. G. Graham, assignors to James R. Kearney Corporation, St. Louis, Mo. Electrical wire attaching device. 2,598,728, June 3.

Talon, Inc., assignee: *See*—
Sundback, Gideon.

Tatom, Raymond F., Puyallup, assignor to Boeing Airplane Company, Seattle, Wash. Seat position lock. 2,599,079, June 3.

Taub, Abraham, New York, N. Y., assignor to B. Clayton, doing business as Refining, Unincorporated. Iodine detergent. 2,599,140, June 3.

Tavannes Watch Co. S. A., assignee: *See*—
Bridevaux, Georges.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble copolymers of tris-2-alkenyl aconitates and 2-alkenyl alcohols. 2,599,027, June 3.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble interpolymers of tris-2-alkenyl aconitates, 2-alkenyl alcohols, and olefinic-benzenes. 2,599,028, June 3.

Taylor, Gerald A., Troy, assignor to Cohoes Envelope Company, Inc., Cohoes, N. Y. Box with locking handle. 2,598,945, June 3.

Taylor, Merritt I., Richmond, Va. Reversible summer-winter cover for beehives. 2,599,141, June 3.

Teegarden, Otto V., Goshen, Ind. Tire handling stand with movable clamping arbor. 2,598,946, June 3.

Teeter, Howard M., Peoria, Ill., assignor to United States of America as represented by the Secretary of Agriculture. Preparation of drying oils. 2,598,729, June 3.

Telephone Manufacturing Company Limited, assignee: *See*—
Harrison, Kenneth W.

Tenney, William L., Crystal Bay, Minn., and C. B. Marks, Las Vegas, Nev.; said Marks assignor to said Tenney. Rotary pulse jet engine with resonant combustion chamber and tangentially disposed exhaust tubes. 2,599,209, June 3.

Texaco Development Corporation, assignee: *See*—
Schneider, Benjamin B.

Textile Machine Works, assignee: *See*—
Fegley, Charles R.

Thermoplex International, Inc., assignee: *See*—
Kirman, Alexander O.

Thermo Projects, Inc., assignee: *See*—
Letvin, Samuel, and Haynes.

Thielen, Mary M., Scarsdale, N. Y. Combined television camera and prompter. 2,598,947, June 3.

Thomas, Charles C., Medford, assignor to Lacene Manufacturing Corporation, Lawrence, Mass. Driving means for detector rolls in grading machines. 2,598,858, June 3.

Thomas, Ivor L.: *See*—
Pritchard, Harold C., Thomas, and Roberts.

Thomas, John W., Newport News, Va. Portable light switch. 2,599,295, June 3.

Thompson, Eleanor, assignee: *See*—
Velghe, Alphonse.

Thompson, Elliott R., Merchantville, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Internally insulation lined vessel. 2,599,210, June 3.

Thompson, Frank H., Rolla, Kans. Broomcorn harvester. 2,599,143, June 3.

Thompson, Floyd O., Sedro-Woolley, Wash. Hospital bed. 2,598,859, June 3.

Thompson, John L., Ojai, and J. Bibb, Port Hueneme, Calif. Portable dock scaffold. 2,598,730, June 3.

Thompson Products, Inc., assignee: *See*—
Boothe, James H.

Thompson Products, Inc., assignee: *See*—
Snyder, Jacob R., and Norton.

Thornton, Raymond: *See*—
Chadderton, Tom, and Thornton.

Thorpe, Millard L.: *See*—
Babcock, Lloyd L., and Thorpe.

Thorsténson, Johan, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Spring plate valve. 2,599,499, June 3.

Thumim, Carl, Yeadon, Pa., assignor to General Electric Company. Circuit restorer. 2,599,294, June 3.

Thurston, Jack T., and P. Adams, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Tanning and bleaching leather with a sulfo-aromaticmelamine-formaldehyde resin. 2,599,142, June 3.

Thys, Edouard, Sacramento, Calif. Hop picking mechanism. 2,599,080, June 3.

Tikkanen, Matti H. A.: *See*—
Huithen, Sven I., and Tikkanen.

Tilbury, Lyle C., Hunt, Tex. Gate. 2,599,211, June 3.

Tiley, Robert W., Ashland, Pa. Water-heating system. 2,598,860, June 3.

Timbs, Edward, assignee: *See*—
Conrad, William T.

Timken-Detroit Axle Company, The, assignee: *See*—
Pringle, William L.

Timpte Bros., Inc., assignee: *See*—
Bissell, Raymond C.

Tinker, Herbert, South Hadley Falls, Mass. Adjustable parallel. 2,599,500, June 3.

Tinnerman Products, Inc., assignee: *See*—
Flora, Laurence H.

Toledo Scale Company, assignee: *See*—
Marco, Salvatore M., and Davis.
Williams, Lawrence S.

Tomietto, Elio, Buenos Aires, Argentina. Rolling curtain. 2,598,861, June 3.

Tonn, Arthur W., Massillon, Ohio. Electric connector adapter. 2,598,862, June 3.

Toomey, John A., and C. F. Carlstrom, Worcester, Mass. Utility height adjustable crib. 2,599,296, June 3.

Touson, Isaac, Buenos Aires, Argentina. Artificial limb. 2,599,297, June 3.

Trenczak, Ladislaus F., Graz, Austria. Mining machine. 2,598,948, June 3.

Triplett Electrical Instrument Company, The, assignee: *See*—
Triplett, Ray L.

Triplett, Ray L., assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio. Case for electrical measuring instruments. 2,599,212, June 3.

Trudeau, Alpheri A., Taftville, Conn. Fire alarm and spray system. 2,599,298, June 3.

Tucker, Emmitt M., Medford, Oreg. Drive axle mounted for swinging and rocking motion. 2,598,863, June 3.

Tupper, Kenneth F.: *See*—
Boyd, Winnett, and Tupper.

Turk, Stanley D.: *See*—
Mahan, John E., and Turk.

Turner, Charles H., San Francisco, and K. E. Koefoed, Aptos, Calif. Electric heater. 2,599,029, June 3.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bag closure for vacuum cleaners. 2,599,520, June 3.

Turner, George L., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Industrial truck. 2,598,865, June 3.

Turner, Guy M., assignee: *See*—
Merry, Edward C.

Turner, Harold H., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Combined overrunning clutch and bearing. 2,598,864, June 3.

Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.

Union Bag & Paper Corporation, assignee: *See*—
Davis, William L.

Union Carbide and Carbon Corporation, assignee: *See*—
Mesinger, William F.

United-Carr Fastener Corporation, assignee: *See*—
Sampson, Frederick S.

United Shoe Machinery Corporation, assignee: *See*—
Dixon, Paul H.
Gulbrandsen, Helge.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Bousman, Henry W.
Dempster, Arthur J.
Gruen, Dieter M., and Katz.
Kerns, Quentin A.
Livingston, Milton S.
Schlesinger, Hermann I., and Brown.

United States Rubber Company, assignee: *See*—
Ladd, Elbert C., and Paxton.
Tawney, Pliny O.

Universal Oil Products Company, assignee: *See*—
Barnes, Marion W.
Schmerling, Louis.

Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric N-borooureas and their preparation. 2,599,144, June 3.

Upson, Robert W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Aliphatic azo compounds having guanyl radicals on tertiary carbon attached to azo nitrogen. 2,599,299, June 3.

Upson, Robert W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymerization employing amidines having azo groups. 2,599,300, June 3.

Upson, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of phosphorus halides with monoolefin-carbon monoxide copolymers. 2,599,501, June 3.

Vacquier, Victor: *See*—
Braddon, Frederick D., Beach, Delanty, and Vacquier.

Vacuum Can Company, assignee: *See*—
Becker, Glenn C.

Van Buren, Tracy H., assignor to Sturgis Posture Chair Company, Sturgis, Mich. Posture chair. 2,599,301, June 3.

Vanderbilt, R. T., Company, Inc., assignee: *See*—
Craig, William L.

Van Nimwegen, Garret: *See*—
Wooddell, Charles E., Van Nimwegen, and Hager.

Vaught, Edley J., Jr.: *See*—
Stolz, Frederick A., and Vaught.

Velghe, Alphonse, Courtral, Belgium, assignor to D. Richards and E. Thompson, Ridgewood, N. J. Machine for reading-in and punching Jacquard cards. 2,599,213, June 3.

Vickers, Incorporated, assignee: *See*—
Peters, Carl E., Rau, and Bruemmer.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred, and Babish.

Vogel, Ruth H., New York, N. Y. Triazine derivatives of diphenyl sulfones, sulfoxides, and sulfides, and production. 2,599,145, June 3.

Von Thaden, William A. R., Newark, N. J. Combination corset and brassière with interchangeable bust section. 2,599,302, June 3.

Waddell, Willis D., Calgary, Alberta, Canada. Clothesline manipulator. 2,599,081, June 3.

Wagner, Cecelia F., and W. J. Farrell, San Francisco, Calif. Spring clip. 2,599,146, June 3.

Walker, Donald I., Evanston, Ill., and E. A. Dieman, Crown Point, Ind., assignors to Standard Oil Company, Chicago, Ill. Fingerprint corrosion inhibiting compositions. 2,598,949, June 3.

Walker, Edward F., assignee: *See*—
Wiesztort, Vincent K.

Walker, Joseph, Berwyn, Ill. Recording apparatus. 2,598,950, June 3.

Walkup, Lewis E., Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y. Electrophotography. 2,598,732, June 3.

Waller, Coy W., and J. H. Mowat, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Pteroic acids and preparing same. 2,598,667, June 3.

Waller, Fred, and R. C. Babish, Huntington, assignors to The Vitarama Corporation, Huntington Station, N. Y. Diaphragm control for multilens cameras. 2,598,731, June 3.

Wanke, Clifford J., Janesville, Wis. Drip pan for flush tanks. 2,599,502, June 3.

Ward, George C.: *See*—
Haggerty, William T., Jr., and Ward.

Ward, James L., assignor to May and Scofield, Howell, Mich. Clip. 2,599,303, June 3.

Waring, Robert K., L. D. Fetterolf, and T. L. Hurst, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc smelting. 2,598,743, June 3.

Warner, Edgar, Middletown, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Wiping blade for coating devices. 2,598,733, June 3.

Warp, Harold, Chicago, Ill., assignor to Flex-O-Glass, Inc. Continuously forming thin plastic sheets. 2,598,866, June 3.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometer. 2,598,734, June 3.

Wayne, Winston J.: *See*—
Pinkney, Paul S., Pratt, and Wayne.

Weatherhead Company, The, assignee: *See*—
Hunziker, Fred.

Webb, George B., Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Iron oxide reduction. 2,598,735, June 3.

Weber, Carl, assignor to The Prehy Company, Incorporated, New York, N. Y. Fluid pressure discharge apparatus. 2,599,304, June 3.

Weigele, Albert E., Newark, N. J., assignor, by mesne assignments, to National Pneumatic Company, Inc., Boston, Mass. Electrically operated windshield wiper. 2,598,951, June 3.

Weingart, John W., Waterbury, Conn. Wheeled snow shovel. 2,598,952, June 3.

Weitkamp, Alfred W., Whiting, and N. J. Bowman, Gary, Ind., assignors to Standard Oil Company, Chicago, Ill. Separation of organic esters. 2,598,953, June 3.

Weitz, Lewis H., Jr., Wampum, Pa. Building block. 2,598,867, June 3.

Wells, George C., Lomita, assignor to Neal H. Anderson Oil Tool Co., Torrance, Calif. Slush pump piston and piston rod. 2,599,082, June 3.

Wemp, Eleanor M., assignee: *See*—
Wemp, Ernest E.

Wemp, Ernest E., Detroit, Mich. Mechanism for transmitting torque. 2,599,214, June 3.

Wemp, Ernest E., assignor of sixty-five per cent to himself, five per cent to C. J. Smith, five per cent to L. K. Smith, twenty per cent to L. A. Wemp, Detroit, Mich., and five per cent to E. M. Wemp, Los Angeles, Calif. Automatic transmission. 2,599,215, June 3.

Wemp, Lila A., assignee: *See*—
Wemp, Ernest E.

Wengel, Sheldon M., Reedsburg, Wis. Display motor. 2,598,954, June 3.

Werner Machine Company, Inc., assignee: *See*—
Rose, Werner P.

West, Vernon F.: *See*—
Hartley, Jack K., West, and Edwards.

Westby, Gordon L., Deerfield, Wis. Automatic animal feeder. 2,599,030, June 3.

Western Contracting Corporation, assignee: *See*—
Gebhard, Irvin L.

Western Newell Mfg. Co., assignee: *See*—
Schulz, William H., and Boehm.

Westhoff, Earl C., Belton, and J. J. Williams, Kansas City, Mo. Suction duster for Venetian blinds. 2,599,420, June 3.

Westinghouse Electric Corporation, assignee: *See*—
Heltebue, Regis D.

Westwood, David H., Haddonfield, N. J., assignor to Radio Corporation of America. Electric pulse delay circuit. 2,599,305, June 3.

Wettstein, Albert: *See*—
Meystre, Charles, and Wettstein.

Wheeler Reflector Company, assignee: *See*—
Elmer, William B.

White, Alfred B., assignor to Clark Equipment Company, Buchanan, Mich. Upsetting shafts and the like. 2,598,868, June 3.

White, James A., Seattle, Wash. Pressure operated pipette filler. 2,598,869, June 3.

White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,599,031, June 3.

Whitehead Stamping Company, assignee: *See*—
Whitehead, Thomas C.

Whitehead, Thomas C., assignor to Whitehead Stamping Company, Detroit, Mich. Mirror mounting structure. 2,599,306, June 3.

Widell, Nils E., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Refrigerator of the absorption type. 2,598,736, June 3.

Widen, Herbert, assignor of one-half to H. W. Levy, McKeesport, Pa. Window operator. 2,599,032, June 3.

Widmer, Willy, Bottmingen, and Jakob Brassel, assignors to Ciba Limited, Basel, Switzerland. Chromiferous monoazo-dyestuffs. 2,599,147, June 3

Wiegand, Edwin L., Company, assignee: *See*—
Freeman, Hadley F.

Wiesztort, Vincent K., assignor of one-fourth to E. F. Walker and one-fourth to E. J. Aubrey, Florence, and one-fourth to J. Mish, Jr., Hadley, Mass. Foldable chair. 2,598,872, June 3.

Wilcox, Merton F.: *See*—
Jacobs, Clare S., and Wilcox.

Wild, Frederick W., Cumberland, R. I. Filer. 2,599,356, June 3.

Wild, Norman R., East Natick, assignor to Raytheon Manufacturing Company, Newton, Mass. High-frequency apparatus. 2,599,033, June 3.

Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus for coiling wool sliver in cans. 2,598,738, June 3.

Wilkie, Robert C., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus for cutting fibers. 2,599,148, June 3.

Wilkinson, Samuel C. W., Burnham, assignor to Crane Packing Limited, Slough, England. Sealing means between rotating and nonrotating machine parts. 2,599,034, June 3.

Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Rail truck. 2,598,870, June 3.

Williams, Jesse J.: *See*—
Westhoff, Earl C., and Williams.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Mounting for indicia viewing assemblies. 2,598,871, June 3.

Wilm, Carl C., Denver, Colo. Collar stay. 2,599,421, June 3.

Wilson, Evan G., Blundellsands, Liverpool, England. Apparatus for the treatment of hides, skins, and the like. 2,599,503, June 3.

Wilson-Jones Company, assignee: *See*—
Rundblad, George J.

Wilson, Paul E.: *See*—
Adams, James S., and Wilson.

Winder, Samuel E., Knox, Pa., assignor of one-half to Henry C. Daubenspeck, Massillon, Ohio. Guide tube mechanism for glass machinery. 2,598,955, June 3.

Wing, Dee A., Brooks Township, Newaygo County, Mich. Fish bait. 2,599,035, June 3.

Wintriss, George, Summit, N. J., assignor to Wintriss Inc., New York, N. Y. Air-actuated noise maker. 2,598,956, June 3.

Wintriss Inc., assignee: *See*—
Wintriss, George.

Wisconsin Alumni Research Foundation, assignee: *See*—
Holt, Matthew L., and Seim.

Wise, George, Washington, D. C. Cabinet unit with changeable interior. 2,599,504, June 3.

Witmer, Florence C., New York, N. Y. Hair retaining device. 2,599,505, June 3.

Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Panel arrangement for dispensing pumps. 2,598,957, June 3.

Wood, Oliver W., Rahway, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass. Door controlling mechanism. 2,598,958, June 3.

Wooddell, Charles E., G. V. Nimwegen, and E. T. Hager, assignors to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles. 2,599,506, June 3.

Woodson, Thomas T., Bridgeport, Conn., assignor to General Electric Company. Motor and pump assembly. 2,599,307, June 3.

Worldsbest Industries, Inc., assignee: *See*—
Garner, Abel E., and Getschman.

Worst, Joseph C., and C. S. Dayton, Bridgeport, Conn., assignors to General Electric Company. Drive unit for domestic ironing machines or the like. 2,599,308, June 3.

Wuetig, Fred H., Chicago, Ill. Automatic variable-speed transmission. 2,599,216, June 3.
Wunderly, Harry L., Cuyahoga Falls, Ohio. Animal form attachment for bicycles. 2,599,309, June 3.
Wyckoff, Paul W., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Gas turbine fuel regulator with manual and temperature responsive means to select fuel-air ratio. 2,599,507, June 3.
Wynne, Wade H., Jr., Atlanta, Ga. Protective covering. 2,599,083, June 3.
Yettaw, Loyde E., Maywood, Ill. Atomizer. 2,599,422, June 3.
Yocom, Wayne A., assignee: *See*—
Johansen, Gordon W., and Copley.
Young, David W.: *See*—
Lippincott, Samuel B., and Young.
Youngberg, Charles H., assignor to Deere & Company, Moline, Ill. Angling means for disk harrows. 2,598,959, June 3.
Ziegler, Ralph B., assignor to Philadelphia Valve Company, Philadelphia, Pa. Hose reeling mechanism. 2,599,423, June 3.
Zimmermann, Carl T., Old Greenwich, assignor to Globe Slicing Machine Co., Inc., Stamford, Conn. Slicing Machine. 2,598,739, June 3.
Zimmermann, Carl T., Old Greenwich, assignor to Globe Slicing Machine Co., Inc., Stamford, Conn. Slicing Machine. 2,598,740, June 3.
Zurn, J. A., Manufacturing Company, assignee: *See*—
Schmid, John H.
Zwiesler, George J., Davisburg, Mich. Hand-operated oscillating and laterally moving cutter. 2,598,873, June 3.

LIST OF PLANT INVENTIONS

Chamaelaucium plant. J. G. Schilt. 1,101, June 3.

LIST OF DESIGN INVENTIONS

Ash tray. B. Blecher. 166,902–3, June 3.
Base for table lamps. E. Schwarz. 166,932, June 3.
Bell. S. S. Sarna. 166,928–30, June 3.
Bell unit, Christmas. S. S. Sarna. 166,931, June 3.
Bottle cap and screw driver, Combined. J. S. Kwiatkowski. 166,919, June 3.
Camera support and floodlight lamp holder, Combined. A. Secofsky, M. A. Meisel, and A. Zalman. 166,933, June 3.
Chair. R. E. Weltz. 166,938, June 3.
Chair, Child's. F. E. Ducey. 166,908, June 3.
Chair frame, Reclining. A. S. Goldberg. 166,910, June 3.
Collar or the like. M. J. Iwaniec. 166,915, June 3.
Container or the like, Moth repellent. A. L. Sacks. 166,927, June 3.
Cover, Seat. G. J. Kramer. 166,918, June 3.
Desk or similar article. C. G. Bjorncrantz. 166,901, June 3.
Fabric or similar article, Textile. T. H. Koeber. 166,917, June 3.
Fabric, Textile. H. Rose. 166,926, June 3.
Flower pot or similar article. N. W. Roop. 166,925, June 3.
Fly swatter. C. A. Laughlin. 166,920, June 3.
Game board. B. L. Hayes. 166,913, June 3.
Handle, Faucet. S. A. Young. 166,939, June 3.
Handle for a refrigerator door latch. R. B. Janes. 166,916, June 3.
Handle for a spoon, fork, or similar article. M. Helpner. 166,914, June 3.
Holder, Magnetic cigarette. D. C. Roller. 166,924, June 3.
Housing for odor-oxidizing ozone lamp. C. D. McCann. 166,921, June 3.
Instrument, Draftsman's. S. N. Coates. 166,905, June 3.
Knife, Pocket. T. R. Arden. 166,900, June 3.
Mat, Floor. A. Sobolewsky. 166,935, June 3.
Mirror, Automobile rear-view. D. M. Nelson. 166,922, June 3.
Napkin or the like, Embossed paper. R. Gould. 166,911, June 3.
Overshoe. R. B. Hardman. 166,912, June 3.
Pair of shears. J. Ahlbin. 166,899, June 3.
Plastic sheet or similar article, Embossed. W. M. Feder. 166,909, June 3.
Plate, Dinner. S. H. Slobodkin. 166,934, June 3.
Plate, Dinner. F. Wagner. 166,937, June 3.
Pot, Coffee. F. Wagner. 166,936, June 3.
Sign, Highway warning. G. K. Phillippi. 166,923, June 3.
Stereoscopic viewer. H. J. Collins. 166,906–7, June 3.
Suit, Protective. T. A. Bridges. 166,904, June 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading. E. L. Dryer. 2,598,679, June 3.
Abrasive articles. C. E. Wooddell, G. V. Nimwegen, and E. T. Hager. 2,599,506, June 3.
Accordion with reedless wind instruments. W. Borzage. 2,599,088, June 3.
Accuracy shooting rest with recoil absorbing means. W. E. Leek. 2,599,265, June 3.
Acrylic acid ester, Manufacture of an. O. Albrecht and A. Maeder. 2,599,424, June 3.
Adapter, Dual wheel single rim. D. P. Forbes and S. A. Malthaner. 2,599,248, June 3.
Address listing device. H. L. Neilsen and A. Neustader. 2,598,819, June 3.
Adhesive materials and assembling sheet materials. R. M. Banks and R. W. Lahey. 2,599,359, June 3.
Adjacent channel rejection by magnetostriction. L. E. Potter. 2,599,068, June 3.
Adjustable parallel. H. Tinker. 2,599,500, June 3.
Adjustable roll support. W. Rodder. 2,599,414, June 3.
Adjustable wood plug cutter. M. E. Myers. 2,598,712, June 3.
Air-actuated noise maker. G. Wintriss. 2,598,956, June 3.
Aircraft. J. S. D. Cumming. 2,599,435, June 3.
Aircraft with heating means for the gas bags thereof, Lighter than air. W. E. Farmer. 2,599,241, June 3.
Air regulator valve. R. H. Kuntz. 2,599,398, June 3.
Aligning and spacing device for eggs. J. C. Gill. 2,598,905, June 3.
Aliphatic azo compounds having guanyl radicals on tertiary carbon attached to azo nitrogen. R. W. Upson. 2,599,299, June 3.
Aluminum borohydride, Preparation of. H. I. Schlesinger and H. C. Brown. 2,599,203, June 3.
Ammonium sulfate, Production of. C. Otto. 2,599,067, June 3.
Amplifier, Audio-frequency. P. C. Michel. 2,599,271, June 3.
Anchor raising and lowering means. A. E. Rogers. 2,599,200, June 3.
Anchoring means for the canopy of a combination sun shade and clothes drier. H. L. Griffin. 2,598,687, June 3.
Angling means for disk harrows. C. H. Youngberg. 2,598,959, June 3.
Animal form attachment for bicycles. H. L. Wunderly. 2,599,309, June 3.
Antenna rotating and/or tuning apparatus. O. H. Dicke. 2,599,048, June 3.
Anticreeper railway rail. V. M. Lutz. 2,599,004, June 3.
Aperiodic electronic blocking valve. H. Huber and L. Brück. 2,598,914, June 3.
Apparatus for coiling wool sliver in cans. R. C. Wilkie. 2,598,738, June 3.
Apparatus for continuous catalysis. J. Lienhart. 2,599,466, June 3.
Apparatus for cutting fibers. R. C. Wilkie. 2,599,148, June 3.
Apparatus for determining the time of descent of instruments within boreholes. W. F. Krueger. 2,599,112, June 3.
Apparatus for eliminating the linear texture of a picture in projection and in optical printing by projection. A. H. J. De Lassus Saint-Genies. 2,598,676, June 3.
Apparatus for enlarging and straightening wellholes. C. E. Bannister. 2,599,041, June 3.
Apparatus for handling and dumping stacked articles. R. B. Nawman. 2,598,713, June 3.
Apparatus for making devices which have selenium as constituent parts thereof. C. E. Peters, D. W. Rau, and A. H. Bruemmer. 2,599,478, June 3.
Apparatus for making French cord binding. J. Kaiser. 2,598,700, June 3.
Apparatus for molding concrete walls. E. H. Praeger. 2,598,830, June 3.
Apparatus for playing card games. E. F. Burton. 2,598,969, June 3.
Apparatus for producing flat glass. J. L. Drake. 2,598,893, June 3.
Apparatus for producing glass sheets. J. L. Drake. 2,598,894, June 3.
Apparatus for producing moire fabrics. H. A. Holterhoff. 2,598,795, June 3.
Apparatus for raising and transporting loads. R. C. Gavin. 2,599,444, June 3.
Apparatus for retreading rubber tires. L. H. Cohen. 2,599,433, June 3.
Apparatus for separating solids from currents of gases. T. K. Stevenson. 2,599,139, June 3.
Apparatus for stacking carton blanks. A. Essex, E. E. Garrett, and J. Kallenberg. 2,599,442, June 3.
Apparatus for the treatment of grains. E. G. Huzenlaub and F. B. Rogers. 2,598,915, June 3.
Apparatus for the treatment of hides, skins, and the like. E. G. Wilson. 2,599,503, June 3.
Apparatus for washing and conditioning air. A. J. Schimpke. 2,599,202, June 3.
Arc Welding. E. F. Potter. 2,599,281, June 3.
Arm sling. H. E. Stanton. 2,598,853, June 3.
Artificial denture. R. J. Donavan. 2,598,769, June 3.
Artificial denture. N. Kaplan. 2,598,998, June 3.
Artificial denture and retainer therefor. J. E. Brennan. 2,599,044, June 3.
Artificial limb. I. Touson. 2,599,297, June 3.
Asbestos-aluminum powder paint. F. A. Stolz and E. J. Vaught, Jr. 2,598,854, June 3.
Assembly device for resnatron filaments. W. H. Kohl. 2,599,394, June 3.
Atomizer. L. E. Yettaw. 2,599,422, June 3.
Attachment for eyeglasses. A. E. Lamb. 2,599,463, June 3.
Attachment for mining machine anchor jacks. J. C. Buttrick. 2,598,970, June 3.
Automatic animal feeder. G. L. Westby. 2,599,030, June 3.
Automatic charging and conveying device. G. Chiaberta. 2,598,973, June 3.
Automatic control for wells. E. W. Jones and L. E. Gray, Jr. 2,599,458, June 3.
Automatic correcting mechanism for time devices. C. Schill. 2,599,289, June 3.
Automatic leveling mechanism for land levelers. L. Seminario. 2,599,490, June 3.
Automatic poultry feeder. A. L. Dale and J. B. Furnace. 2,598,977, June 3.
Automatic start and stop mechanism. C. N. Bergmann. 2,599,220, June 3.
Automatic transmission. E. E. Wemp. 2,599,215, June 3.
Automatic travel adjuster for air brake pistons. I. A. Farnworth. 2,599,377, June 3.
Automatic trot line setter. M. Latta and J. Higgins. 2,599,113, June 3.
Automatic valve. L. C. Barling. 2,599,426, June 3.
Automobile directional signal. A. E. Ashleman. 2,598,964, June 3.
Automobile engine belt tool. J. D. Gilbreath. 2,599,102, June 3.
Automobile radiator cleaning device. P. L. Armstrong and D. B. Pence. 2,598,963, June 3.
Automotive power drive control system and mechanism. G. T. Randol. 2,599,525, June 3.
Auxiliary fuse-containing multiple outlet electrical connector. R. T. Shaul. 2,599,023, June 3.
Awning construction. H. M. Helt. 2,598,691, June 3.
Axial flow compressor, particularly for combustion gas turbine plants. A. Meyer. 2,599,470, June 3.
Axial flow turbine oil line flow indicator. R. Rubenstein and S. I. Groban. 2,599,201, June 3.
Axis converter. I. H. Gerks. 2,599,381, June 3.
Bag closure for vacuum cleaners. E. P. Turner. 2,599,520, June 3.
Bag supporting means for bag closing and sealing machines. H. V. Kindseth. 2,599,393, June 3.
Balloon with no load ring. W. F. Huch. 2,598,696, June 3.
Bandpass network, Electrical. W. M. Allison. 2,599,508, June 3.
Bark-removing apparatus comprising rotor and stationary cage. J. R. Clark and S. M. Adams. 2,599,090, June 3.
Barrier grid storage tube. A. S. Jensen. 2,598,919, June 3.
Beam cutting method. J. B. Forker. 2,599,324, June 3.
Beam switching system. E. Bruce and L. Gross. 2,599,368, June 3.
Beating up mechanism for looms, especially for manufacturing terry toweling. G. Berg. 2,599,313, June 3.
Beauty shield. R. G. Bartfay. 2,599,152, June 3.
Bed, Collapsible baby. B. R. Simons. 2,598,844, June 3.
Bed, Hospital. F. O. Thompson. 2,598,859, June 3.
Beta substituted gamma lactones. E. C. Ladd and H. W. Paxton. 2,598,803, June 3.
Billboard construction. P. L. Michael and K. L. Robison. 2,599,129, June 3.

Billfold, Stitchless and hidden stitch expansible. O. S. Ellis. 2,598,982, June 3.
Billfold with unstitched center panel. E. Hughes. 2,599,261, June 3.
Bit: *See*—
Expansible rotary drill bit.
Block: *See*—
Building block. Salt block.
Board: *See*—
Child's shampoo board.
Portable foldable ironing board.
Boiler: *See*—
Steam boiler.
Bookholder. C. Saecker. 2,599,416, June 3.
Boring machine, High-speed. O. V. De Bogart. 2,599,155, June 3.
Box: *See*—
Sewing box. Shuttle box.
Box forming machine, C. E. Palmer. 2,599,008, June 3.
Box with locking handle. G. A. Taylor. 2,598,945, June 3.
Bracket: *See*—
Ladder bracket.
Brake control, Dual. I. J. Ehrenberg. 2,599,376, June 3.
Brake mechanism. D. P. Forbes. 2,599,247, June 3.
Braking device for wheel chairs. H. W. Foley. 2,599,051, June 3.
Brush, Abrading. C. E. Sturgis. 2,599,076, June 3.
Brush having looped bristles, Dental. R. J. Meunier. 2,599,191, June 3.
Buckle. P. W. White. 2,599,031, June 3.
Building block. L. H. Weltz, Jr. 2,598,867, June 3.
Building mechanism for packages of yarn. G. H. Pimley. 2,599,347, June 3.
Bulldozer or shovel, Convertible. G. T. Shoosmith. 2,599,491, June 3.
Bundling spring harrow tines. F. Bellingher. 2,599,427, June 3.
Burner of the atomizing type, Oil. R. W. Beckett. 2,599,153, June 3.
Button, Cloth-covered. C. Braegger. 2,599,225, June 3.
Cabinet and drawer assembly. E. N. Ellerson. 2,599,240, June 3.
Cabinet unit with changeable interior. G. Wise. 2,599,504, June 3.
Cam engaged clutch. P. Hardcastle and E. P. Reid. 2,598,690, June 3.
Cam grinding machine. R. P. Hook and C. J. Green. 2,599,453, June 3.
Camera with lens turret. J. A. Haeseler. 2,599,327, June 3.
Can-opening device. M. C. Bell. 2,599,154, June 3.
Canal lining machine. I. L. Gebhard. 2,598,903, June 3.
Car: *See*—
Shuttle car.
Carafe handle. M. Alex. 2,598,747, June 3.
Carbamylbenzene stibonic acids. N. Steiger. 2,599,291, June 3.
Carrier: *See*—
Child carrier.
Carrier for containers. M. W. Keith. 2,598,920, June 3.
Carrier wave signaling system, Electric. K. W. Harrison. 2,598,996, June 3.
Cart, Beet harvester loading. J. W. Orendorff. 2,599,475, June 3.
Cart, Winged harrow hitching. C. D. Archer and K. L. Shuey. 2,599,084, June 3.
Cartridge type seal. O. Brummer. 2,598,886, June 3.
Case for electrical measuring instruments. R. L. Triplett. 2,599,212, June 3.
Casing mill. E. J. Robishaw. 2,599,069, June 3.
Casket transporting and hoisting vehicle. G. Forman. 2,599,052, June 3.
Catalytic hydrogenolysis of cycloaliphatic alcohols, ketones, and aldehydes. J. E. Castle and B. W. Howk. 2,599,089, June 3.
Cellulose ester and N-alkoxymethyl polyurethane reacted polymers. C. R. Dolmetsch and S. B. McFarlane. 2,598,767, June 3.
Cellulosic fibrous calcium silicate pigment, making it and a sheet of paper containing it. W. L. Craig. 2,599,094, June 3.
Centrifugal speed responsive mechanism. L. R. V. Bradnick. 2,599,157, June 3.
Chair: *See*—
Foldable chair. Posture chair.
Folding chair.
Child carrier. V. S. Mills. 2,599,474, June 3.
Child's shampoo board. M. D. Artman. 2,599,217, June 3.
Chilling roll. B. Offen. 2,599,346, June 3.
Chromiferous mononzo-dyestuffs. W. Widmer and J. Brassel. 2,599,147, June 3.
Cigarette holder and ash tray, Combination. B. Z. Smith. 2,598,845, June 3.
Circuit: *See*—
Direct current reinsertion circuit. Electronic control circuit.
Electric pulse delay circuit. Electronic switching circuit.
Sender test circuit.
Circuit breaker with a plurality of series connected breaking gaps, Compressed air. H. Forwald. 2,599,100, June 3.
Circuit interrupter construction. S. I. Lindell and C. H. Baker. 2,599,187, June 3.
Circuit interrupter, Rotary. J. A. Favre. 2,599,242, June 3.
Circuit restorer. C. Thumim. 2,599,294, June 3.
Citrus juice products having stabilized cloud and making the same. J. W. Stevens and D. E. Pritchett. 2,599,519, June 3.
Clamp: *See*—
Mounting clamp. Paper clamp.
Clamp for constricting flexible tubular elements and the like. M. Garland. 2,598,901, June 3.
Cleat feeding mechanism. D. G. Kingsley and C. J. MacNamara. 2,599,460, June 3.
Clinker cooler. J. Narsted. 2,598,931, June 3.
Clip: *See*—
Spring clip.
Clip. J. L. Ward. 2,599,303, June 3.
Clip for attaching trim objects. L. H. Flora. 2,598,776, June 3.
Close coupling for motorized pumps. F. C. Byram. 2,598,758, June 3.
Closure element for air ducts. D. H. Stroup. 2,599,075, June 3.
Closure means for grain car doorways. B. H., E. J. and M. J. Ford. 2,599,443, June 3.
Clothesline manipulator. W. D. Waddell. 2,599,081, June 3.
Clutch: *See*—
Cam engaged clutch.
Clutch and bearing, Combined overrunning. H. H. Turner. 2,598,864, June 3.
Coating head. S. B. Grimson. 2,598,908, June 3.
Cold header. J. H. Friedman. 2,599,053, June 3.
Collapsible stand. W. C. Ellis. 2,598,983, June 3.
Collar stay. C. C. Wilm. 2,599,421, June 3.
Comb, Hair. H. J. Lovegrove. 2,599,115, June 3.
Combine and transport dolly therefor. M. J. Bohnenblust. 2,599,366, June 3.
Composite hollow internally cement-lined internally generally cylindrical object, Making a. E. L. Chappell. 2,598,972, June 3.
Composition for rendering printing rollers nonmeltable. L. W. Conklin. 2,598,761, June 3.
Compositions containing a major amount of a wax and a minor amount of a copolymer of ethylene-1,2-dicarboxylic acids and their derivatives. S. B. Lippincott and D. W. Young. 2,599,339, June 3.
Compressor apparatus. J. L. Allen. 2,599,149, June 3.
Concrete conveying apparatus. R. L. Coney. 2,599,235, June 3.
Conducting geophysical surveys, Method and apparatus for. H. Jensen. 2,598,697, June 3.
Conduit construction. L. H. Fritzberg. 2,599,325, June 3.
Connector: *See*—
Auxiliary fuse-containing multiple outlet electrical connector.
Contact arm for distributor breaker plates. J. Filko. 2,599,323, June 3.
Container: *See*—
Shipping container.
Container-carrier. D. C. Murphy. 2,598,710, June 3.
Container for mustard, ketchup, and the like, having a slidable piston with hollow stem, Dispensing. J. Schwartz. 2,599,071, June 3.
Continuously forming thin plastic sheets. H. Warp. 2,598,866, June 3.
Control apparatus for battery wind chargers. R. N., L. R. and C. N. Gurley. 2,598,662, June 3.
Control system for catalytic reactors. N. F. Prescott. 2,599,197, June 3.
Controlling fractionating columns, Method and apparatus for. C. J. Schilling. 2,599,133, June 3.
Conveyer and jack for shifting the same. T. McCulloch. 2,598,815, June 3.
Conveyer mechanism for folding carton blanks. A. W. Liebl. 2,598,809, June 3.
Conveyer system for receptacles fed to filler machines. C. N. Bergmann. 2,599,221, June 3.
Cooler: *See*—
Clinker cooler.
Cooling and dispensing beverages. J. Berkowitz. 2,598,751, June 3
Copolymerizing ethylene with butadiene. B. S. Friedman. 2,599,249, June 3.
Copolymers of ethylene with an alkyl acrylate and an alkyl monoester of a butene-1,4-dioic acid. P. S. Pinkney, B. C. Pratt, and W. J. Wayne. 2,599,123, June 3.
Copolymers of unsaturated alkyd resins and acrylamido compounds. E. L. Kropa. 2,598,663, June 3.
Copolymers of unsaturated amido compounds. E. L. Kropa. 2,598,664, June 3.
Corrected delay line. M. J. E. Golay. 2,598,683, June 3.
Corset and brassière with interchangeable bust section, Combination. W. A. R. von Thaden. 2,599,302, June 3.
Coupling: *See*—
Irrigation regulator coupling. Overload release coupling.
Universal coupling.
Coupling for connecting trailers to power vehicles. R. Porte. 2,599,282, June 3.
Cover: *See*—
Hatch cover. Wheel cover.
Spoon cover.
Cover for a hood compartment of drophead motorcar bodies. J. H. Orr. 2,599,277, June 3.

Cover for beehives, Reversible summer-winter. M. I. Taylor. 2,599,141, June 3.
Cover for vehicles, Collapsible. F. D. Roble. 2,598,940, June 3.
Crib attachment for beds. P. C. Kelly. 2,598,999, June 3.
Crib, Utility height adjustable. J. A. Toomey and C. F. Carlstrom. 2,599,296, June 3.
Cupboard door closure. D. G. McAfee. 2,598,814, June 3.
Cup support and drain. S. D. Levings. 2,598,665, June 3.
Current responsive acceleration control for electric motors. E. Battilana. 2,598,669, June 3.
Curtain, Rolling. E. Tomietto. 2,598,861, June 3.
Curve follower. N. F. Parker. 2,598,937, June 3.
Cutter: *See*—
Adjustable wood plug cutter.
Hand-operated oscillating and laterally moving cutter.
Cylindrical converter. H. A. Brassert. 2,599,158, June 3.
Dashpot for carburetor throttles, Electrically controlled. R. R. Strebinger. 2,598,855, June 3.
Decomposition of complex metal phosphate salts. D. M. Gruen and J. J. Katz. 2,599,326, June 3.
Dental preparation and making. E. Gordon. 2,599,445, June 3.
Detergent composition and use, Sterilizing. J. C. L. Resuggan. 2,599,127, June 3.
Detergent, Iodine. A. Taub. 2,599,140, June 3.
Device for loading articles into containers. G. F. Salerno and J. R. Brandt. 2,599,487, June 3.
Device for operating pipettes. M. H. Caulfield. 2,599,370, June 3.
Device for removing seals from water wells and other purposes. J. B. Murphy. 2,598,930, June 3.
Device for separating oil from water. J. S. Adams and P. E. Wilson. 2,598,746, June 3.
Diagnostic antigens, Preparation of. C. J. De Boer. 2,598,659, June 3.
Diaphragm control for multilens cameras. F. Waller and R. C. Babish. 2,598,731, June 3.
Diaphragm valve. C. R. Suska. 2,599,498, June 3.
Direct current reinsertion circuit. R. C. Moore. 2,598,929, June 3.
Dishwashing machine. E. R. Johnson. 2,599,110, June 3.
Dispenser: *See*—
Paper dispenser.
Dispensing apparatus. T. F. Hamilton. 2,599,173, June 3.
Display card for taped screws. H. F. Phipard, Jr. 2,599,011, June 3.
Display device. T. H. Birch. 2,598,755, June 3.
Display device. L. Cisi and W. Dippel. 2,598,890, June 3.
Display motor. S. M. Wengel. 2,598,954, June 3.
Display stand. J. F. Galvin. 2,599,380, June 3.
Disubstituted cyanoalkanoylureas and thioureas and their production. V. Papesch and E. F. Schroeder. 2,598,936, June 3.
Doll and the like. H. Gerbaud. 2,598,781, June 3.
Door check mechanism. G. H. Logan. 2,598,926, June 3.
Door controlling mechanism. O. W. Wood. 2,598,958, June 3.
Doorframe trimming device, Unitary. R. S. Ferrara. 2,599,244, June 3.
Doughnut maker. S. J. Popell. 2,599,012, June 3.
Drapery heading. J. Bernhard. 2,599,429, June 3.
Drier: *See*—
Folding clothes drier.
Garment drier.
Drilling mud resistivity meter. P. P. Reichertz. 2,599,413, June 3.
Drip pan for flush tanks. C. J. Wanke. 2,599,502, June 3.
Drive axle mounted for swinging and rocking motion. E. M. Tucker. 2,598,863, June 3.
Drive transmission for garden type tractors. F. V. Donald. 2,598,768, June 3.
Drive unit for domestic ironing machines or the like. J. C. Worst and C. S. Dayton. 2,599,308, June 3.
Driven wheel assembly, including hydraulic transmission means. C. S. Ash. 2,598,876, June 3.
Driving means for detector rolls in grading machines. C. C. Thomas. 2,598,858, June 3.
Dropout fuse construction. S. I. Lindell. 2,599,186, June 3.
Drying oils, Preparation of. H. M. Teeter. 2,598,729, June 3.
Dyeing of organic derivative of cellulose textile material involving the steps of impregnating it with a free leuco vat-dyestuff, oxidation, and alkaline reduction of the oxidized dyestuff. W. T. Haggerty, Jr., and G. C. Ward. 2,598,786, June 3.
Dynamometer. W. Boyd and K. F. Tupper. 2,599,315, June 3.
Electric connector adapter. A. W. Tonn. 2,598,862, June 3.
Electric heater. C. H. Turner and K. E. Koefoed. 2,599,029, June 3.
Electric heating switch. H. F. Freeman. 2,599,171, June 3.
Electric pulse delay circuit. D. H. Westwood. 2,599,305, June 3.
Electric stop mechanism for jeeps. R. O. Brunsell. 2,598,757, June 3.
Electric test device. E. J. Fischer. 2,598,775, June 3.
Electrical connection fastener. F. S. Sampson. 2,599,488, June 3.
Electrical device embodying ferro-electric substance. B. T. Matthias. 2,598,707, June 3.
Electrical measurement and recording of acceleration, velocity, and displacements of moving bodies. R. L. Barry and C. C. Boesewetter. 2,598,668, June 3.
Electrical socket device. J. V. O'Neill and E. E. Overmier. 2,598,824, June 3.
Electrical wire attaching device. O. F. Tallman and R. G. Graham. 2,598,728, June 3.
Electrodeposition of alloys of molybdenum with cobalt, nickel, and iron. M. L. Holt and H. J. Selm. 2,599,178, June 3.
Electrodynamic reciprocation apparatus. P. C. Efromson and R. C. Lewis. 2,599,036, June 3.
Electrolytic cell. A. Bennett, D. H. Prince, and G. E. Edwards. 2,599,363, June 3.
Electrolytic deposition of iron in the form of powder. G. Renman. 2,598,833, June 3.
Electromagnetically operated signal producing resonator device. R. A. Gougeon. 2,598,994, June 3.
Electron tube counting device. J. R. Desch and R. E. Mumma. 2,598,764, June 3.
Electronic control circuit. R. W. Brown. 2,599,228, June 3.
Electronic delay system. J. P. Smith. 2,599,206, June 3.
Electronic switching circuit. B. R. Lester. 2,599,266, June 3.
Electrophotography. L. E. Walkup. 2,598,732, June 3.
Emergency declutching mechanism for clothes wringers. C. W. Feher. 2,599,243, June 3.
Emulsion treating methods and means. C. O. Glasgow. 2,598,988, June 3.
End cap for glove holding devices. J. A. Doran. 2,599,321, June 3.
Endless driving belt. E. Pollard. 2,598,829, June 3.
Engine with resonant combustion chamber and tangentially disposed exhaust tubes, Rotary pulse jet. W. L. Tenney and C. B. Marks. 2,599,209, June 3.
Ethylene/butene-1,4-dioic acid monoester copolymers. D. M. McQueen. 2,599,119, June 3.
Excavating apparatus. C. E. Bannister. 2,599,042, June 3.
Exhaust gas conveyer, Portable. F. E. Brady, Jr. 2,598,884, June 3.
Expansible rotary drill bit. A. W. Kammerer. 2,599,060, June 3.
Extensible drop-leaf table. L. G. Larson. 2,598,804, June 3.
Extensible thread for winding about objects, Preparation of. H. N. Huse. 2,599,390, June 3.
Extrusion apparatus. J. A. Hjullan. 2,598,913, June 3.
Eyelash curler. C. M. Palmer. 2,598,718–19, June 3.
Eyewire construction for spectacle frames. R. F. E. Stegeman. 2,599,074, June 3.
Fabric and garment made of same, Pleated. S. Feldman. 2,599,168, June 3.
Fabric and making same, Pile. B. K. Symonds. 2,599,293, June 3.
Fabricated press. R. K. Sedgwick. 2,599,022, June 3.
Fan, Oscillating. G. J. Reisch. 2,599,284, June 3.
Fastener: *See*—
Electrical connection fastener.
Metal plate rotary fastener.
Fastener device. R. N. Green. 2,599,105, June 3.
Fastener for sliding closures. A. G. Dean. 2,599,511, June 3.
Fastening for containers, cases, bags, and the like. C. W. Cheney. 2,599,372, June 3.
Feed regulator for paper machinery. S. A. Staege. 2,598,852, June 3.
Feeder: *See*—
Automatic poultry feeder.
Fertilizer distributor. J. P. McMillan. 2,599,118, June 3.
Filament support. D. C. Pulliam. 2,599,411, June 3.
Filament temperature compensating device. W. H. Kohl. 2,599,395, June 3.
Filling and capping equipment. L. M. Cooper. 2,599,319, June 3.
Filling spout. H. C. and R. J. Bentley. 2,598,670, June 3.
Film or plate holder for cameras. S. E. Hellberg. 2,598,911, June 3.
Film speed control for aerial cameras. A. Raspet. 2,599,517, June 3.
Filter: *See*—
High-capacity oil bath filter.
Filter. J. Muirhead. 2,598,818, June 3.
Fingerprint corrosion inhibiting compositions. D. I. Walker and E. A. Dieman. 2,598,949, June 3.
Fire alarm and spray system. A. A. Trudeau. 2,599,298, June 3.
Fish bait. D. A. Wing. 2,599,035, June 3.
Fish lure. J. C. Bain. 2,598,965, June 3.
Fish lure. J. E. Roberts. 2,599,128, June 3.
Fish stringer. F. Jarabek. 2,599,057, June 3.
Fishing lure. J. F. Eder. 2,598,771, June 3.
Fishing rod and reel. J. Berchak. 2,599,219, June 3.
Fishing rod holder. J. M. Folker. 2,599,099, June 3.
Fishing rod support. W. F. Brauer. 2,599,160, June 3.

5-nitro-2-furfurylidene acetone semicarbazone. F. L. Austin and H. B. Hastie. 2,599,509, June 3.
Flashlight casing, including a readily attachable lamp contact means, Angular head. J. A. Glts. 2,599,253, June 3.
Flashlight casing, including a readily attachable reflector contact means, Angular head. J. A. and J. P. Glts. 2,599,254, June 3.
Flexible drive means for concrete vibrators. H. Dreyer. 2,598,895, June 3.
Flexible window screen. S. F. Drozt. 2,598,770, June 3.
Flier. F. W. Wild. 2,599,356, June 3.
Floating cutter bar for harvesters. R. D. Downing and C. C. Evers. 2,599,438, June 3.
Flooring composition of blown petroleum residue and asbestos fiber. H. W. Lawson. 2,599,264, June 3.
Fluid bladeless turbine. B. W. Dennis. 2,598,678, June 3.
Fluid coupling element. O. M. Koskinen. 2,599,461, June 3.
Fluid meter. R. Menkemeller. 2,599,514, June 3.
Fluid power transmitting device. J. R. Lemon. 2,599,336, June 3.
Fluid pressure discharge apparatus. C. Weber. 2,599,304, June 3.
Fly rod reel. P. A. Smith and L. Hopps. 2,598,846, June 3.
Foldable chair. V. K. Wiesztort. 2,598,872, June 3.
Folding chair. R. G. Cudini. 2,599,164, June 3.
Folding clothes drier. H. L. Griffin. 2,598,686, June 3.
Folding electric food mixer. T. F. Nelson. 2,599,275, June 3.
Food carrier assembly. C. F. Graff. 2,598,995, June 3.
Food mixer. F. C. Schwaneke. 2,599,070, June 3.
Footwear and making same. P. H. Margulis. 2,599,116, June 3.
Forming pigment in cellulose fiber and paper containing the pigmented fiber. W. L. Craig. 2,599,091, June 3.
Freezer, Portable ice-cream. F. Se Bastian. 2,599,021, June 3.
Frequency distinguishing device. L. W. Boothby. 2,598,671, June 3.
Frequency modulation system. H. K. Richards. 2,598,722, June 3.
Friction box structure for straight knitting machines. C. R. Fegley. 2,598,986, June 3.
Front feed carriage for typing, printing, and computing machines. C. K. Rainey. 2,598,939, June 3.
Fruit juice blend and producing same. J. A. Bruce. 2,599,431, June 3.
Fuel injection system. J. H. Booth. 2,598,754, June 3.
Fuel injector. G. M. Rogers. 2,599,018, June 3.
Fuel mixer for internal-combustion engines. J. Reindl. 2,598,832, June 3.
Fuel pump. F. S. Coe. 2,599,522, June 3.
Fuel system for thermal power plants. N. Burgess. 2,598,674, June 3.
Fully balanced combination overdrive and hydraulic transmission. O. J. Elsele. 2,598,896, June 3.
Fur seaming apparatus. I. H. Koniger. 2,598,923, June 3.
Furnace electrode. R. K. Hopkins. 2,599,179, June 3.
Galvanized muffler with concavo-convex baffles. F. C. Brightly, Jr., and J. F. Herbert. 2,598,756, June 3.
Garment. F. Y. Calde. 2,598,759, June 3.
Garment, Baby. A. K. Stepp. 2,599,355, June 3.
Garment drier. R. H. Roberts. 2,599,199, June 3.
Garment hanger. W. Houghton. 2,599,260, June 3.
Gas turbine power plant having auxiliary turbine driven by fuel gas being supplied to the combustion chamber. H. Pfenninger. 2,599,480, June 3.
Gas valve. C. M. Garner. 2,598,902, June 3.
Gate. L. C. Tilbury. 2,599,211, June 3.
Gauge: *See*—
Miter gauge.
Well pressure gauge.
Slip rod gauge.
Gauge. R. D. Hubbs. 2,599,180, June 3.
Generating electrical energy from a radioactive source. E. G. Linder. 2,598,925, June 3.
Generator: *See*—
Magnetron generator.
Steam generator.
Girdle. E. G. Paola. 2,598,720, June 3.
Glide path control for aircraft. D. Blitz. 2,599,223, June 3.
Glyoxal and polyglyoxal, Manufacture of. R. L. Lehmann and J. Lintner. 2,599,335, June 3.
Golf bag carriage, Foldable. J. L. Stableford. 2,599,354, June 3.
Gopher trap. W. T. Conrad. 2,598,974, June 3.
Greasing apparatus. R. G. Ivie. 2,599,456, June 3.
Green-colored opal glass. R. W. Ricker. 2,599,349, June 3.
Grille. W. C. De Roo. 2,598,763, June 3.
Guide tube mechanism for glass machinery. S. E. Winder. 2,598,955, June 3.
Gun loading mechanism. P. H. Dixon. 2,598,766, June 3.
Gun, Tear gas. H. H. Holroyd. 2,599,177, June 3.
Gyromagnetic compass apparatus. H. C. Pritchard, I. L. Thomas and G. E. Roberts. 2,599,124, June 3.
Hacksaw blade tensioning device. D. E. Gommel. 2,598,784, June 3.
Hair curler. N. Schepis. 2,598,837, June 3.
Hair curler. N. L. Solomon. 2,598,943, June 3.
Hair pin. F. G. Hall. 2,599,447, June 3.
Hair retaining device. F. C. Witmer. 2,599,505, June 3.
Halophenoxy acetic acids, Production of. V. C. Fusco. 2,599,250, June 3.
Hand-operated oscillating and laterally moving cutter. G. J. Zwiesler. 2,598,873, June 3.
Hand scraping tool. G. R. Morris. 2,599,193, June 3.
Handle: *See*—
Carafe handle.
Retractable door handle.
Removable handle.
Hanger: *See*—
Garment hanger.
Rotatable tubing hanger.
Harrow, Wheeled. R. W. Garrett. 2,599,251, June 3.
Harvester, Broomcorn. F. H. Thompson. 2,599,143, June 3.
Hatch cover. C. G. Guthrie. 2,599,106, June 3.
Hay cutter and loader. L. R. Graessle. 2,599,255, June 3.
Heat-and-quench hardening irregular objects such as gears. A. W. Herbenar. 2,598,694, June 3.
Heat sealing device. J. Frye. 2,598,900, June 3.
Heat-treating machine for textile material. W. P. Rose. 2,599,486, June 3.
Heater: *See*—
Electric heater.
Heater and shunt mechanism for overload relays. R. P. Ballou. 2,598,878, June 3.
Heater for hydrocarbon fluid. A. H. Schutte. 2,598,840, June 3.
Heating apparatus. M. W. Barnes. 2,598,879, June 3.
Heating apparatus and radiation relay therefor. S. H. Ledin. 2,598,808, June 3.
Heating control apparatus. P. G. Frerer. 2,599,101, June 3.
Heating dielectric materials and apparatus therefor. M. Batiuk and H. G. Shively. 2,599,360, June 3.
Helical linear reactance. R. D. Reed. 2,599,126, June 3.
High-capacity oil bath filter. J. K. Brixius and R. G. Hanneman. 2,598,673, June 3.
High contrast photographic developers. M. Schwarcz. 2,599,518, June 3.
High-frequency apparatus. N. R. Wild. 2,599,033, June 3.
Hinge mounting structure, Insertable. V. J. Catalano. 2,599,231, June 3.
Holder: *See*—
Fishing rod holder.
Slide holder.
License plate holder.
Telephone base accessory holder.
Pie holder.
Safety tag holder.
Sheathed razor blade holder.
Holder for telephone handsets. E. A. McCorkell. 2,598,928, June 3.
Hollow ceramic bodies, Producing. R. Maculan. 2,599,268, June 3.
Hone. J. J. Palotsee. 2,599,009, June 3.
Hop picking mechanism. E. Thys. 2,599,080, June 3.
Hose reeling mechanism. R. B. Ziegler. 2,599,423, June 3.
Hub and brake assembly. W. L. Pringle. 2,599,013, June 3.
Humidity controlling hygrometer. J. J. Steinmetz. 2,598,727, June 3.
Hydrant. E. W. N. Boosey. 2,598,968, June 3.
Hydraulic assembly for adjustable ladder leg extension. R. J. Anderson. 2,598,875, June 3.
Hydraulic fitting. W. L. Hume. 2,599,389, June 3.
Ice fishing tilt. W. Fred. 2,598,778, June 3.
Identification and recording roller. W. P. Osgood. 2,599,279, June 3.
Identification tape and making same. H. T. Critchlow, Jr., and J. J. Marecki. 2,598,892, June 3.
Identifying radioactive compounds. A. J. Dempster 2,599,166, June 3.
Illuminated toy vehicle. A. D. Starr. 2,599,208, June 3.
Impulse sender with relay distributor. H. E. Hill and D. B. Parkinson. 2,598,695, June 3.
Increasing drilling fluid viscosity. V. G. Meadors. 2,599,342, June 3.
Increasing the melting point of petrolatums and products resulting therefrom. L. Schmerling. 2,598,724, June 3.
Increasing the permeability of oriented silicon steels. M. F. Littmann and J. E. Heck. 2,599,340, June 3.
Indicator: *See*—
Axial flow turbine oil line flow indicator.
Valve position indicator.
Winding indicator.
Plural scale indicator.
Subway and train seat indicator.
Indicator and signal for typewriters, End of page. T. Bader. 2,599,085, June 3.
Induction heating. I. Becklus and H. Lindström. 2,599,086, June 3.
Industrial process and apparatus. L. D. Jones. 2,599,331, June 3.
Inhalant preparation. A. P. J. O'Grady. 2,598,823, June 3.
Insolubilizing and solidifying fatty acid esters of alcohols. M. Kronstein. 2,599,397, June 3.
Installing resilient seals. J. C. Dudley. 2,599,440, June 3.
Instrument, Electrical musical. J. M. Harrison. 2,598,790, June 3.

Instrument type switch. M. S. Snell. 2,598,847, June 3.
Integrating device. C. L. Heckard and B. Anderson, 2,599,055, June 3.
Interface modifiers and preparing same. M. Katzman. 2,599,391, June 3.
Interference-reducing system. W. Y. Pan. 2,598,935, June 3.
Ion trap of uniform flux density. D. P. Ingle and S. L. Reiches. 2,598,916, June 3.
Iron oxide reduction. G. B. Webb. 2,598,735, June 3.
Irrigation regulator coupling. O. E. Andrus. 2,598,961, June 3.
Jaw crusher with side thrust absorbing bearings. H. H. Rumpel. 2,598,942, June 3.
Jig saw. A. R. Spelbring. 2,598,850, June 3.
Jointing and molding machine. H. H. Hebestreit. 2,599,107, June 3.
Journal lubricator. W. J. Fitzsimmons. 2,599,246, June 3.
Keying device for electronic organs. R. H. Campbell, Jr., and G. H. Hadden. 2,599,510, June 3.
Kitchen refuse receptacle. C. Belsky. 2,599,362, June 3.
Knife assembly for rotary cutters. E. J. Nevin. 2,598,933, June 3.
Juice blend, Producing a. J. L. Parker. 2,599,476, June 3.
Juicer, Citrus fruit. R. E. Larsen. 2,599,464, June 3.
Ladder bracket. F. B. Finney. 2,599,169, June 3.
Ladder extension. J. E. Maxson. 2,599,117, June 3.
Laminated sheet material. G. G. Rumberger and A. M. Heald. 2,599,130, June 3.
Lamp lead insulator. W. B. Elmer. 2,598,772, June 3.
Lamp with alarm clock, Bed. R. R. De Martin. 2,598,978, June 3.
Last. H. Gulbrandsen. 2,598,688, June 3.
Latch means. L. T. Larson. 2,598,805, June 3.
Latching means for staple supporting slides. G. J. Rundblad. 2,599,131, June 3.
Leg rest for wheel chairs, Adjustable. H. A. Everest and H. C. Jennings. 2,598,985, June 3.
Leveling mechanism for headlight testers. H. G. Holmes. 2,598,794, June 3.
License plate holder. J. P. Hooks. 2,599,259, June 3.
Lift roller for Venetian blinds. F. J. Burns. 2,598,887, June 3.
Line pickup device for fishing reel having nonrotary drums. P. Mauborgne. 2,599,189, June 3.
Liquid adhesive applicator and control apparatus therefor. W. L. Davis. 2,599,374, June 3.
Liquid fuel feeding means for resonance combustion chambers. R. H. Goddard. 2,599,103, June 3.
Liquid level and flow control. H. B. Breedlove. 2,599,159, June 3.
Liquid level control mechanism. R. W. Sloane. 2,599,073, June 3.
Lock: *See*—
Seat position lock.
Lock for firearm triggers. E. W. Sass. 2,599,132, June 3.
Locking device for the tubes of telescopic structures. Å. T Bergqvist and B. I. Karlberg. 2,599,222, June 3.
Loop forming device for stitch forming mechanism. E. V. Briem. 2,599,226, June 3.
Low capacity switch. L. J. Bobb. 2,599,314, June 3.
Low water-loss cement slurry and cementing a well therewith. H. G. Cutforth. 2,598,675, June 3.
Lubricating appartus for internal-combustion engines and the like. G. M. Krug. 2,598,801, June 3.
Lubricating grease manufacture, High-temperature. A. J. Morway and J. J. Kolfenbach. 2,599,343, June 3.
Lubricating oil additives. E. Lieber and E. P. Cashman. 2,599,337, June 3.
Lubricating pump. G. Nemetz. 2,599,195, June 3.
Lubricator: *See*—
Journal lubricator.
Luggage. P. H. Capra. 2,598,888, June 3.
Machinable high cobalt low carbon alloys for die-casting molds. J. A. Nelson and C. W. Schuck. 2,598,714, June 3.
Machine for applying cement to platform wedge heels. W. P. Osgood. 2,598,717, June 3.
Machine for placement of concrete and the like. C. Jackson. 2,599,330, June 3.
Machine for reading-in and punching Jacquard cards. A. Veighe. 2,599,213, June 3.
Machine for rough milling and generative finishing of machine elements. E. W. Miller. 2,599,408, June 3.
Magazine for magnetic wire recorders. H. Nygaard. 2,598,716, June 3.
Magnesia-alumina-silica refractories. F. E. Lathe. 2,599,184, June 3.
Magnesia cement products and their manufacture. P. S. Denning. 2,598,980–1, June 3.
Magnetic explorations, Method and apparatus for. H. Jensen. 2,598,698, June 3.
Magnetic peeler for proton synchrotron. M. S. Livingston. 2,599,188, June 3.
Magnetron. E. C. S. Megaw. 2,599,270, June 3.
Magnetron generator. C. L. Cuccia. 2,599,237, June 3.
Marine gyro vertical. F. D. Braddon, L. F. Beach, L. J. Delanty, and V. Vacquier. 2,598,872, June 3.
Mass spectrometer. H. W. Washburn. 2,598,734, June 3.
Massaging apparatus. A. Brucato. 2,599,367, June 3.
Material handling machine. J. Greenlief. 2,598,685, June 3.
Measuring and varying the color quality of light, Method and apparatus for. V. O. Gittus. 2,598,783, June 3.
Mechanism for operating a closure for an opening. H. I. Morris. 2,598,709, June 3.
Mechanism for transmitting torque. E. E. Wemp. 2,599,214, June 3.
Metal container having reinforced end seam. M. Anseele. 2,598,962, June 3.
Metal plate rotary fastener. J. P. Spahr and A. Cajowski. 2,599,207, June 3.
Meter: *See*—
Drilling mud resistivity meter.
Fluid meter.
True air speed and true altitude rate meter.
True air-speed meter.
Wide frequency range power-factor meter.
Meter for determining flow rate and/or viscosity of fluids. V. P. Head. 2,598,910, June 3.
Meter for determining the amplitudes of sine waves recorded on disks. R. E. Santo. 2,599,351, June 3.
Meter for pulsating loads, Maximum demand. P. E. Fehr. 2,598,899, June 3.
Method and apparatus for the application of materials. S. Letvin and G. P. Haynes. 2,599,465, June 3.
Mill: *See*—
Casing mill.
Mine car sealing device. R. E. Jones. 2,598,797, June 3.
Mining machine. L. F. Trenczak. 2,598,948, June 3.
Mirror apparatus, Rearview. D. E. Reed. 2,599,412, June 3.
Mirror mounting structure. T. C. Whitehead. 2,599,306, June 3.
Miter gauge. B. C. Denney. 2,598,979, June 3.
Mixer: *See*—
Folding electric food mixer.
Food mixer.
Model electric locomotive. W. G. Stewart. 2,599,138, June 3.
Moistener for hectographic duplicating machines. F. R. Bonsch. 2,599,224, June 3.
Mold: *See*—
Tire treading mold.
Molded stop mechanism for sliding clasp fasteners. E. E. Day. 2,599,165, June 3.
Molding machine, Foundry. P. Kvederis. 2,599,262, June 3.
Monozo dyestuffs. H. W. Grimmel, L. Richter, and J. F. Morgan. 2,598,661, June 3.
Motor: *See*—
Display motor.
Motor and pump assembly. T. T. Woodson. 2,599,307, June 3.
Motor carrier for grain elevators, Self-leveling. R. L. Beldin. 2,598,880, June 3.
Motor control, Electric. R. O. Perrine. 2,598,826, June 3.
Motor control system, Two-phase. A. E. Konick and N. E. Hjorth. 2,598,922, June 3.
Motor fuel. W. E. Lifson and G. W. Duncan. 2,599,338, June 3.
Motor support. C. C. Scheele. 2,598,836, June 3.
Mounting: *See*—
Overhead trolley wire mounting.
Sash mounting.
Mounting clamp. G. W. Lal. 2,598,704, June 3.
Mounting for articles. G. H. Leonard. 2,599,003, June 3.
Mounting for indicia viewing assemblies. L. S. Williams. 2,598,871, June 3.
Mounting of movable tables on machine-tool beds. M. Philippe. 2,598,938, June 3.
Movement for electric timepieces. S. S. Held. 2,598,912, June 3.
Mud density measuring device. J. R. Pettigrove. 2,598,827, June 3.
Multicathode glow discharge device. W. A. Depp. 2,598,677, June 3.
Multiple layer paper containing pigmented pulp and making. W. L. Craig. 2,599,092, June 3.
N,N-disubstituted-beta-halo-alkylamines. J. F. Kerwin and G. E. Ullyot. 2,599,000–1, June 3.
Necktie knot anchors, Four-in-hand. I. McNiece. 2,599,190, June 3.
New phosphorus containing compounds. J. P. McDermott. 2,599,341, June 3.
Noise reduction system for radar. W. W. Hansen and E. J. Barlow. 2,598,689, June 3.
Nonadecyl glycols. C. H. McKeever. 2,599,468, June 3.
O-2,4,5-trichlorophenyl O,O-dialkylphosphates. C. L. Moyle. 2,599,515, June 3.
O-2,4,5-trichlorophenyl O,O-dialkylthiophosphates. C. L. Moyle. 2,599,516, June 3.
O-2,4,6-trichlorophenyl O,O-dialkylthiophosphates. L. R. Drake and A. J. Erbel. 2,599,512, June 3.
Obtaining crystalline penicillin salts. J. A. Leighty. 2,599,401, June 3.
Octahydrophenanthrene carboxylic acid esters and making same. K. Miescher and G. Anner. 2,599,471, June 3.
Oil-cooler arrangement in air-cooled internal-combustion engine. K. Sonderegger. 2,598,849, June 3.

1-alkyl-3-benzohydryl piperidines. L. Berger and J. Lee. 2,599,364, June 3.
Opener, Folding type can. W. H. Schulz and L. E. Boehm. 2,598,839, June 3.
Opening means for rotary duplicating machines, Master clip. H. Gerlach. 2,599,252, June 3.
Ore-washing apparatus. R. B. Lindsey. 2,599,402, June 3.
Ovate roadway reflector. C. H Rex. 2,599,285, June 3.
Overhead trolley wire mounting. L. L. Babcock and M. L. Thorpe. 2,599,150, June 3.
Overload release coupling. E. C. Steinbach and P. M. Ewald. 2,599,292, June 3.
Overwinding preventer. G. Bridevaux. 2,599,161, June 3.
Oxidation inhibitor. H. W. Rudel and J. M. Boyle. 2,599,350, June 3.
Packaging machine, particularly the blocks therefor. P. Carrino. 2,599,369, June 3.
Packaging method. C. E. Slaughter. 2,599,493, June 3.
Paintbrush, Fountain. M. Soss. 2,599,024, June 3.
Panel arrangement for dispensing pumps. H. H. Wolfe. 2,598,937, June 3.
Paper clamp. H. B. Boyer. 2,598,883, June 3.
Paper dispenser. M. H. Gordon. 2,598,992, June 3.
Pavement marker. G. F. Carroll. 2,599,230, June 3.
Phonograph stylus. L. J. Andres. 2,599,312, June 3.
Photographic emulsions. C. K. Sloan. 2,599,404, June 3.
Photographic stand. E. D. Markle. 2,599,269, June 3.
Pickling chromium alloys. W. E. Caugherty. 2,598,889, June 3.
Pie holder. J. A. Harrell. 2,598,789, June 3.
Pigmented cellulose fiber. W. L. Craig. 2,599,093, June 3.
Pilot and main burner unit. E. A. Jones. 2,599,457, June 3.
Pilot light lamp and socket structure. J. F. Beal. 2,599,361, June 3.
Pin: *See*—
Hair pin.
Pine gum distillation. L. A. Goldblatt, N. C. McConnell, and H. B. Summers, Jr. 2,598,684, June 3.
Pipe handling sling. V. J. Knudsen. 2,598,921, June 3.
Pipe with smoke baffle. A. V. Abercrombie. 2,599,310, June 3.
Piperidine derivatives. L. Berger and J. Lee. 2,599,365, June 3.
Pipette filler, Pressure operated. J. A. White. 2,598,869, June 3.
Plastic patch for walls, Reinforced. F. M. Eslick. 2,598,984, June 3.
Plate-straining mechanism for use in printing machines. L. C. Seed. 2,599,417, June 3.
Plural scale indicator. W. D. Macgeorge and C. E. Roessler, Jr. 2,599,005, June 3.
Polymeric N-boroureas and their preparation. R. W. Upson. 2,599,144, June 3.
Polymerization employing amidines having azo groups. R. W. Upson. 2,599,300, June 3.
Polymerization of aromatic nitriles. J. E. Mahan and S. D. Turk. 2,598,811, June 3.
Portable fire screen. J. R. Hyman. 2,598,997, June 3.
Portable foldable ironing board. A. P. Lantz. 2,599,399, June 3.
Portable light switch. J. W. Thomas. 2,599,295, June 3.
Posture chair. T. H. Van Buren. 2,599,301, June 3.
Potato product. G. R. Schermerhorn, Sr., and H. C. Hinz, Jr. 2,598,838, June 3.
Pouring device. E. D. Sherwood. 2,598,843, June 3.
Power transmission unit. K. Hefel. 2,599,387, June 3.
Press: *See*—
Fabricated press.
Preventing ice accumulation on airfoils. B. F. Jones. 2,599,059, June 3.
Prevention of corrosion. D. B. Sheldahl. 2,598,725, June 3.
Printing device. W. H. Nau. 2,599,194, June 3.
Printing machine. W. T. Gollwitzer. 2,598,990–1, June 3.
Printing with onium dyestuffs and buffer mixtures. T. Chadderton and R. Thornton. 2,599,371, June 3.
Protective covering. W. H. Wynne, Jr. 2,599,083, June 3.
Protective device for lubricant fittings. A. E. Miller. 2,599,472, June 3.
Providing an object with wheels and axles. J. C. Ramey. 2,598,831, June 3.
Pteroic acids and preparing same. C. W. Waller and J. H. Mowat. 2,598,607, June 3.
Pump: *See*—
Fuel pump.
Lubricating pump.
Pump and motor hydraulic transmission system, Rotary. W. W. Henning. 2,599,450, June 3.
Pumping a volatile liquid, Method and apparatus for. W. F. Mesinger. 2,598,816, June 3.
Purging refrigeration systems. W. J. Klene. 2,598,799, June 3.
Purification of titanium tetrachloride. H. Espenschied. 2,598,897, June 3.
Purification of titanium tetrachloride. H. Espenschied. 2,598,898, June 3.
Putty removing device. C. R. Russell. 2,599,415, June 3.
Quasidetachable magnetic symbols, markers, and insignia. R. U. Clark. 2,599,047, June 3.
Quick-dismountable cowling. R. H. Anderson. 2,599,037, June 3.
Radiant heating system. L. L. Scott. 2,598,841–2, June 3.
Radiation detector. B. B. Schneider. 2,599,352, June 3.
Radiotelephone station identifying system. F. S. Entz and R. O. Soffel. 2,599,097, June 3.
Rake, Tractor mounted sweep. H. M. Stueland. 2,598,944, June 3.
Ratitrap. F. E. Rogers. 2,599,017, June 3.
Razor blade handle attachment. E. B. Miller. 2,599,407, June 3.
Reaction of phosphorus halides with monoolefin-carbon monoxide copolymers. R. W. Upson. 2,599,501, June 3.
Reactivating alkali solutions used in treatment of hydrocarbon oils. J. Happel and S. P. Cauley. 2,599,449, June 3.
Receptacle: *See*—
Kitchen refuse receptacle.
Reciprocating element operating device. R. M. Baldwin. 2,599,151, June 3.
Record holder for wrist wear, Identification and itinerary. B. Anderson. 2,599,311, June 3.
Recording apparatus. J. Walker. 2,598,950, June 3.
Recording device. L. A. Kille. 2,599,392, June 3.
Recording wire. H. W. Cobb. 2,598,760, June 3.
Recovering gallium from metallic aluminum. F. C. Frary. 2,598,777, June 3.
Reduction and sintering of bodies containing reducible metal compounds. S. I. Hulthen and M. H. A. Tikkanen. 2,598,796, June 3.
Reduction of steroid epoxides. P. Plattner. 2,599,481, June 3.
Reed for musical instruments, Ballasted. R. Seybold. 2,599,135, June 3.
Reel: *See*—
Fly rod reel.
Refining soybean lecithin. H. O. Renner. 2,599,016, June 3.
Refractory body. J. M. Lepp and J. A. Slyh. 2,599,185, June 3.
Refrigerator construction. H. M. Ingram. 2,598,917, June 3.
Refrigerator embodying compact arrangement of air-cooled parts. W. G. Kogel. 2,598,703, June 3.
Refrigerator having multiple temperature cooling elements. G. A. Grubb and P. A. Backteman. 2,598,737, June 3.
Refrigerator of the absorption type. N. E. Widell. 2,598,736, June 3.
Regenerative repeater. R. M. M. Oberman and A. Snijders. 2,599,345, June 3.
Register control system for web cutting mechanisms. R. A. Beuerman. 2,599,430, June 3.
Regulated high-voltage supply. G. L. Grundmann. 2,598,909, June 3.
Regulator for telephone ringers, Sound. G. P. Reilly. 2,599,198, June 3.
Regulator with manual and temperature responsive means to select fuel-air ratio, Gas turbine fuel. P. W. Wyckoff. 2,599,507, June 3.
Removable handle. E. F. Crane. 2,599,434, June 3.
Renovating machine, Mattress and cushion filler. A. J. Kay. 2,599,181, June 3.
Resilient bearer structure for rotary printing presses. L. M. Stempel. 2,598,726, June 3.
Resilient walled supply container with connected measuring trap chamber. N. Greene. 2,599,446, June 3.
Resistance welding process. G. R. Brohaski. 2,599,045, June 3.
Respiratory device. R. A. Berman. 2,599,521, June 3.
Retractable door handle. J. R. Gates and J. F. Schuler. 2,599,054, June 3.
Reversible drive mechanism. G. W. Johansen and W. E. Copley. 2,599,058, June 3.
Reversing arrangement in two-stroke engines. O. Petersen. 2,599,479, June 3.
Revolving pillar shell. I. Green. 2,598,906, June 3.
Roll end guide. R. A. Austin. 2,599,218, June 3.
Rollable structure for beds and the like. H. Graham. 2,599,383, June 3.
Roof drain. J. H. Schmid. 2,599,205, June 3.
Rotary plug valve. E. A. Murnin, Jr. 2,599,274, June 3.
Rotatable tubing hanger. J. F. Baker. 2,599,039, June 3.
Rotatably supported adjustable painter's work holder. K. Pernitz. 2,599,010, June 3.
Safety mechanism for pressure cookers. C. C. Schweiso. 2,599,072, June 3.
Safety tag holder. C. L. Kicher. 2,599,111, June 3.
Salt block. W. B. Dancy. 2,599,436, June 3.
Sample-taking and casing-perforating apparatus. C. E. Bannister. 2,599,040, June 3.
Sash mounting. R. W. Mohring. 2,598,817, June 3.
Saw, Portable rim-driven circular. A. P. Smith. 2,599,495, June 3.
Sawing machine. F. Hunziker. 2,599,056, June 3.
Scaffold, Portable dock. J. L. Thompson and J. Bibb. 2,598,730, June 3.
Scale, Electrically actuated weighing. S. M. Marco and W. L. Davis. 2,598,812, June 3.
Scoop swinging mechanism. S. S. Pokorny. 2,599,348, June 3.
Scraping out device for mining boreholes. J. Dionisotti. 2,599,167, June 3.
Screen: *See*—
Flexible window screen.
Portable fire screen.
Screw actuated dispensing mechanism and refill unit therefor. J. Gabler. 2,599,379, June 3.

Screw and screw hold applying machine for acoustical tile and the like. M. R. Price. 2,599,283, June 3.
Seal between relatively rotatable parts. W. H. Park. 2,599,122, June 3.
Seal for blast furnace hoppers and bells. A. Latham, Jr. 2,599,334, June 3.
Sealing means between rotating and nonrotating machine parts. S. C. W. Wilkinson. 2,599,034, June 3.
Sealing universal joint assemblies. E. B. Anderson. 2,598,749, June 3.
Seat position lock. R. F. Tatom. 2,599,079, June 3.
Seating and sleeping unit. J. Kronheim. 2,599,396, June 3.
Seed mechanism for grain drills. J. Higginson. 2,599,452, June 3.
Seismic prospecting. J. P. Minton. 2,599,064, June 3.
Seismic prospecting, Method and apparatus for. R. S. Finn. 2,599,245, June 3.
Selective control apparatus. J. J. Alles. 2,598,748, June 3.
Selector valve-automatic holding and cutoff. C. H. Cooke. 2,598,891, June 3.
Self-adjusting wrench. C. B. Lober. 2,599,114, June 3.
Self air-escaping floating valve. R. M. Manning. 2,598,706, June 3.
Sender test circuit. C. O. Parks. 2,599,409, June 3.
Separation of naphthalene isomers. J. E. Nickels. 2,598,715, June 3.
Separation of organic esters. A. W. Weitkamp and N. J. Bowman. 2,598,953, June 3.
Separation of products obtained from isobutylene-nitrosyl chloride adduct. E. J. Prill. 2,599,482, June 3.
Separator having flow-directing and self-sealing discharge means. C. V. Ore and J. A. L. Nicholson. 2,598,934, June 3.
Sewing box. T. C. Cox. 2,598,976, June 3.
Shackle seal. W. M. Brooks. 2,599,318, June 3.
Shaft connection. H. E. La Bour. 2,599,333, June 3.
Shaping machine mechanism. H. E. Hicks. 2,599,388, June 3.
Shaver. F. P. Musso. 2,598,711, June 3.
Shaving or toothbrush outfit holder and container. P. S. Rupert. 2,599,019, June 3.
Sheathed razor blade holder. H. T. Drake. 2,599,439, June 3.
Shelf for wash tubs. I. L. Miller. 2,599,192, June 3.
Shield for automobile windows. G. A. Pritchard. 2,599,015, June 3.
Shield for bunions and corns. E. A. Dorr. 2,599,523, June 3.
Ship form. L. Costa. 2,599,163, June 3.
Shipping container. E. Kopper. 2,598,800, June 3.
Shock absorber. W. G. Patriquin. 2,599,477, June 3.
Shock absorbing mechanism for railway draft riggings. G. E. Dath. 2,598,762, June 3.
Shoe actuating means for automatic flat-plate ironers. C. S. Dayton. 2,599,238, June 3.
Shoe insole. D. R. Brady. 2,599,317, June 3.
Shoe polisher. A. F. Daniel and T. A. Patterson. 2,599,095, June 3.
Shoe with cushioned heel-receiving pocket, Track. G. H. Gillis. 2,598,782, June 3.
Shoran intervalometer. J. E. Henry. 2,598,693, June 3.
Shovel, Wheeled snow. J. W. Weingart. 2,598,952, June 3.
Shuttle box. H. Hoeber. 2,599,108, June 3.
Shuttle car. A. L. Lee. 2,599,061, June 3.
Side wall sample taking apparatus. M. Mennecier. 2,599,405, June 3.
Signal: *See*—
Automobile directional signal.
Signaling system with private branch exchange subscriber. R. M. M. Oberman. 2,598,822, June 3.
Silica brick from highly siliceous sands, Manufacture of. F. W. Cramer and O. W. F. Saffran. 2,599,236, June 3.
Ski attachment for wheeled vehicles. C. E. Giovannoni. 2,598,682, June 3.
Sliced meat joint such as ham and slicing same. H. J. Hoenselaar. 2,599,328, June 3.
Slicing machine. C. T. Zimmermann. 2,598,739–40, June 3.
Slide holder. E. W. Goldberg. 2,599,382, June 3.
Slip rod gauge. M. A. Ryan. 2,598,835, June 3.
Slush pump piston and piston rod. G. C. Wells. 2,599,082, June 3.
Smelting of zinciferous ore. E. C. Handwerk and G. T. Mahler. 2,598,741–2, June 3.
Smelting of zinciferous ore. E. C. Handwerk and G. T. Mahler. 2,598,744, June 3.
Smelting of zinciferous ore. E. C. Handwerk and L. D. Fetterolf. 2,598,745, June 3.
Snap action switch. H. C. Swan and W. W. Riedel. 2,598,856, June 3.
Snow melter and vaporizer. L. J. Flynn. 2,599,098, June 3.
Sodium 2,4,5-trichlorophenoxyacetate, Manufacture of. G. J. Henrich. 2,598,692, June 3.
Solid stick corrosion inhibitors and a process for preventing corrosion of oil and gas well equipment. W. F. Gross and C. C. Rogers, Jr. 2,599,384–85, June 3.
Soluble copolymers of tris-2-alkenyl aconitates and 2-alkenyl alcohols. P. O. Tawney. 2,599,027, June 3.
Soluble interpolymers of tris-2-alkenyl aconitates, 2-alkenyl alcohols, and olefinic-benzenes. P. O. Tawney. 2,599,028, June 3.
Spare connected polyphase transductor. H. M. Sörensen. 2,599,137, June 3.
Speed responsive device with modifier. H. G. Adler. 2,598,960, June 3.
Spike-tooth harrow. J. E. Shouler and J. M. Markel. 2,599,492, June 3.
Spinning bucket liner. P. E. Bolger. 2,598,752, June 3.
Spinning young viscose. G. A. Richter, Jr. 2,598,834, June 3.
Split accumulator mechanism. E. V. Heitlinger. 2,599,257, June 3.
Spoon cover. G. E. Franzen. 2,598,987, June 3.
Spraying attachment for tractors. W. H. Hamilton and S. C. Hampton, Jr. 2,599,448, June 3.
Spring clip. C. F. Wagner and W. J. Farrell. 2,599,146, June 3.
Spring plate valve. J. Thorstenson. 2,599,499, June 3.
Spring tension varying means, Automatic. D. Martin. 2,599,403, June 3.
Sprinkler, Lawn. A. W. Phillips. 2,599,280, June 3.
Stable plastic molding composition of low shrinkage and product obtained thereby, Making. A. B. Leerburger. 2,599,400, June 3.
Stacking device. G. A. Schwenzer. 2,599,200, June 3.
Stainless emulsible grease. J. C. Showalter. 2,599,353, June 3.
Stamp, Hand. H. V. Lauer. 2,598,806, June 3.
Stand: *See*—
Collapsible stand. Photographic stand.
Display stand.
Stand for Venetian blinds, Cleaning. E. M. Kerr. 2,598,798, June 3.
Steam boiler. W. Sampson. 2,598,723, June 3.
Steam generator. R. J. Boyer. 2,599,316, June 3.
Steering control for model aircraft. W. A. Rhodes. 2,599,484, June 3.
Stem remover for tobacco leaves. H. Lewin. 2,599,267, June 3.
Stilbene derivatives, Basic. W. Stoll and C. J. Morel. 2,599,497, June 3.
Stitch-forming method and apparatus. E. P. Spaine. 2,599,418, June 3.
Stock and barrel connection in guns. R. Bretton. 2,598,885, June 3.
Stool. B. F. Hamilton. 2,598,788, June 3.
Stretcher, Clothesline. R. R. Scofield. 2,599,134, June 3.
Stretcher, Curtain. A. E. Garner and P. W. Getschman. 2,598,779, June 3.
Structural photographic arrangement for obtaining three-dimensional images. V. Hudeley. 2,599,454, June 3.
Subway and train seat indicator. C. Heine. 2,598,792, June 3.
Suction device for steam radiators. H. E. Martindale and W. C. Gemuenden. 2,599,467, June 3.
Suction duster for Venetian blinds. E. C. Westhoff and J. J. Williams. 2,599,420, June 3.
Sugar mill housing. C. Provost. 2,599,125, June 3.
Sulfuric acid esters of hyaluronic acid and the production thereof. Z. Hadidian. 2,599,172, June 3.
Sun shade and clothes drier, Combination. H. L. Griffin. 2,599,513, June 3.
Supply voltage variation compensation. S. C. Hoare. 2,599,258, June 3.
Support: *See*—
Adjustable roll support. Motor support.
Filament support. Tool support.
Fishing rod support.
Supporting means for roller identification devices. W. P. Osgood. 2,599,278, June 3.
Surfacing tool. F. R. Dewey. 2,598,765, June 3.
Sweep compression for use of frequency modulation range equipment. M. V. Klebert, Jr. 2,598,702, June 3.
Switch: *See*—
Electric heating switch. Snap action switch.
Instrument type switch. Transmission control switch
Low capacity switch.
Portable light switch.
Switch. J. B. Dickson. 2,599,437, June 3.
Switch, Multiple, and multiple bulb electric lantern. P. A. Stark. 2,599,419, June 3.
Switching device, Fast-acting. S. Minneci, J. F. McKenney and E. J. De Noyers. 2,599,272, June 3.
Synchronous drive. A. A. Neese. 2,598,820, June 3.
Table: *See*—
Extensible drop-leaf table. Vertically adjustable table.
Tachometer device. J. Agin. 2,598,874, June 3.
Tanning and bleaching leather with a sulfonaromaticmelamine-formaldehyde resin. J. T. Thurston and P. Adams. 2,599,142, June 3.
Tape and case therefor, Measuring. W. F. Dart. 2,599,320, June 3.
Telegraph exchange for lines with simplex or duplex characteristics. R. M. M. Oberman. 2,599,344, June 3.
Telephone base accessory holder. B. L. Ledermann. 2,599,062, June 3.
Telephone billing system, Automatic. C. E. Brooks and W. W. Carpenter. 2,599,357, June 3.
Telephone system, Call data recording automatic. H. D. Cahill, W. W. Carpenter, and T. L. Dimond. 2,599,358, June 3.

Telescopic shafting arrangement. G. Garnier. 2,598,780, June 3.
Television camera and prompter, Combined. M. M. Thielen. 2,598,947, June 3.
Television signal converter. G. C. Sziklai. 2,598,857, June 3.
Television system, Color. S. S. Roth. 2,598,941, June 3.
Temperature control valve. R. D. Heitchue. 2,599,175, June 3.
Temperature regulating water circulator for molding presses and other purposes. G. C. Becker. 2,598,966, June 3.
Temperature responsive measuring and indicating apparatus. K. T. Källe. 2,599,459, June 3.
Template and gauge, Composite. R. G. Emerson. 2,599,050, June 3.
Temple mounting means for looms. E. J. Berry and G. T. Allenson. 2,598,882, June 3.
Temple mounting means for looms. E. C. Nichols. 2,598,821, June 3.
Testing apparatus for voltage regulators for automotive vehicles. I. W. Lacher. 2,598,802, June 3.
Testing watt-hour meters. R. A. K. Fleischmann. 2,599,378, June 3.
Tetrachlorothiolane and preparing the same. P. D. Caesar. 2,599,432, June 3.
Thermal neutron detector element. H. W. Bousman. 2,599,156, June 3.
Thermal relay. E. A. Miller. 2,599,473, June 3.
Thermocontact or fuse for alarm purposes. O. I. H. Ekman. 2,599,441, June 3.
Thermopitcher. A. O. Kirman. 2,599,332, June 3.
Thiosulfenyl dithiocarbamates as fungicides. L. D. Goodhue and W. M. Florence. 2,598,989, June 3.
Thixotropic gel for preserving wood. R. H. Chrzanowski. 2,599,373, June 3.
Timing device. P. H. Kaufmann. 2,598,701, June 3.
Tire for toy vehicles, Semipneumatic. G. A. Henry. 2,599,176, June 3.
Tire handling stand with movable clamping arbor. O. V. Teegarden. 2,598,946, June 3.
Tire loosening apparatus, Lever actuated axially shifting type. F. L. Helton. 2,598,793, June 3.
Tire treading mold. P. E. Hawkinson. 2,598,791, June 3.
Toaster heating element. L. E. Aske. 2,599,038, June 3.
Tobacco product and manufacture. W. G. Frankenburg. 2,598,680, June 3.
Toggle-operated fly-tying vise. H. Hauser. 2,599,174, June 3.
Toilet flush tank float valve. S. M. Bennett. 2,598,967, June 3.
Tool: *See*—
Automobile engine belt tool. Surfacing tool.
Hand scraping tool. Valve adjusting tool.
Tool for applying and removing nipples from radiators and the like. C. H. Baker. 2,598,877, June 3.
Tool for scraping tube interiors, Rotary. C. E. Sturgis. 2,599,077, June 3.
Tool or die and holder assembly. L. E. Coulter. 2,598,975, June 3.
Tool support. N. H. Franks. 2,599,170, June 3.
Tool with opposed pressure elements, Pivoted tire bead breaking. P. Cebolski. 2,599,232, June 3.
Torch with concentric gas, oxygen, and mixture outlets. W. H. Haak. 2,598,787, June 3.
Torque transmitting device. S. F. Gorske. 2,598,993, June 3.
Toy and bank, Expansible. W. E., Jr., and W. E. Lawson, Sr. 2,598,807, June 3.
Toy or miniature bed. C. T. Martin. 2,598,813, June 3.
Track link. A. W. Phelps. 2,598,828, June 3.
Traction device. O. F. Spevak. 2,598,851, June 3.
Transformer, Pulse type. Q. A. Kerns. 2,599,182, June 3.
Transmission control switch. T. M. Ball. 2,599,425, June 3.
Transplanting device. W. B. Benison. 2,599,087, June 3.
Trap: *See*—
Gopher trap.
Tray, Dental impression. W. A. May. 2,598,927, June 3.
Treatment of gaseous hydrocarbon material streams. J. L. Groebe and J. T. Karbosky. 2,598,785, June 3.
Triazine derivatives of diphenyl sulfones, sulfoxides, and sulfides, and production. R. H. Vogel. 2,599,145, June 3.
Trigger lock for one-trigger guns. E. W. Lind. 2,598,924, June 3.
Trim connecting assembly. H. D. Drain. 2,599,322, June 3.
Triphenylmethane dyes. S. A. Glickman. 2,598,660, June 3.
Tripod. J. Bolsey. 2,598,753, June 3.
Truck, Industrial. G. L. Turner. 2,598,865, June 3.
Truck, Industrial lift. M. Lehmann. 2,599,524, June 3.
Truck, Rail. A. O. Williams. 2,598,870, June 3.
True air speed and true altitude rate meter. R. F. Garbarini and J. R. Ericson. 2,598,681, June 3.
True air-speed meter. C. F. Schaefer. 2,599,288, June 3.
Truss for quilting frames. H. B. McLemore. 2,599,404, June 3.
Tube: *See*—
Barrier grid storage tube.
Tube bundle for heat exchangers. A. A. Berestneff. 2,599,428, June 3.
21-halocholadienes. C. Meystre and A. Wettstein. 2,599,007, June 3.
2,4,6-trichlorophenyl dialkylphosphates. L. R. Drake and A. J. Erbel. 2,599,375, June 3.
Two-hand fluid pressure control of power machinery. J. J. Griffin. 2,598,907, June 3.
Ultra high-frequency electron discharge device. R. R. Law and L. Pensak. 2,599,263, June 3.
Universal coupling. V. C. Huntington. 2,599,329, June 3.
Universal type spring-pressed binding post. A. N. A. Melchior. 2,599,006, June 3.
Upsetting shafts and the like. A. B. White. 2,598,868, June 3.
Vacuum bodying process. K. C. D. Hickman and E. S. Barnitz. 2,599,451, June 3.
Valve: *See*—
Air regulator valve. Self air-escaping floating valve.
Aperiodic electronic blocking valve. Spring plate valve.
Automatic valve. Temperature control valve.
Diaphragm valve. Toilet flush tank float valve.
Gas valve.
Rotary plug valve.
Valve adjusting tool. P. E. Schmidt. 2,599,489, June 3.
Valve for gas burners, Safety control. A. L. Miller. 2,599,063, June 3.
Valve mechanism for rotating feeding head for combustion chambers. R. H. Goddard. 2,599,104, June 3.
Valve operating mechanism. J. H. Schmid. 2,599,204, June 3.
Valve position indicator. R. A. Rockwell. 2,599,286, June 3.
Valve structure. J. R. Snyder and J. F. Norton. 2,598,848, June 3.
Vaporizer, Electric. J. Robinson. 2,599,485, June 3.
Variable-speed transmission, Automatic. F. H. Wuetig. 2,599,216, June 3.
Vehicle: *See*—
Casket transporting and illuminated toy vehicle.
hoisting vehicle.
Vehicle parking system. H. J. Bargehr. 2,598,750, June 3.
Veneer clipper, Pneumatically actuated. D. C. Porter. 2,598,721, June 3.
Venting, filling, and gauging device for fuel oil tanks, Combination. J. Brown. 2,599,162, June 3.
Vertically adjustable table. A. L. Safstrom. 2,599,020, June 3.
Vessel, Internally insulation lined. E. R. Thompson. 2,599,210, June 3.
Vestibule mat and cleaning system therefor. L. L. Dollinger. 2,599,049, June 3.
Vibrating equipment. L. E. Soldan. 2,599,496, June 3.
Vulcanizing annular articles. F. F. Brucker. 2,599,046, June 3.
Wall attached closure remover with releasable retainer. A. Kowarsch. 2,599,462, June 3.
Washing machine. H. J. Rand. 2,599,483, June 3.
Washing machine, Automatic. C. S. Jacobs and M. F. Wilcox. 2,598,918, June 3.
Washing machine control, Automatic. D. L. Clark and J. W. McNairy. 2,599,234, June 3.
Washing machine, Glass. H. C. Husemann. 2,599,455, June 3.
Water-heating system. R. W. Tiley. 2,598,860, June 3.
Water-powered actuator. J. T. Mitchell. 2,599,273, June 3.
Water service device. J. W. McGarry and H. A. Eads. 2,598,708, June 3.
Wax composition. L. M. Sesso and A. M. Jordan. 2,598,666, June 3.
Weather shield for automobile windows. G. A. Pritchard. 2,599,014, June 3.
Weather stripping in window sash. W. P. Kessler. 2,599,183, June 3.
Weight-shifting device for dual axle vehicles. R. C. Bissell. 2,599,043, June 3.
Well pressure gauge. P. J. Natho. 2,598,932, June 3
Well treatment apparatus. J. D. Haynes. 2,599,386, June 3.
Wheel and axle assembly, Adjustable. D. F. Sherman. 2,599,136, June 3.
Wheel assembly. J. C. Meiling. 2,599,120, June 3.
Wheel cover. G. A. Lyon. 2,598,705, June 3.
Wheel for tank structures. J. E. Christie. 2,599,233, June 3.
Wheel unit for trailers or the like, Differential. E. C. Merry. 2,599,469, June 3.
Wheeled animated bird on a cord. P. L. Brown. 2,599,227, June 3.
Wheeled disk harrow. C. E. Newkirk. 2,599,065, June 3.
Whole fresh egg semen diluter. V. R. Berliner. 2,598,881, June 3.
Wick hypsometer. W. R. Norman. 2,599,276, June 3.
Wide frequency range power-factor meter. R. M. Rowell. 2,599,287, June 3.
Wide range high-frequency tuner. H. T. Lyman. 2,598,810, June 3.
Winding indicator. H. Jeanneret. 2,599,109, June 3.
Window cleaning device. F. Jordan. 2,598,699, June 3.
Window construction. E. Peremi. 2,599,196, June 3.
Window operator. H. Widen. 2,599,032, June 3.

Window shade attachment. J. B. Probst. 2,599,410, June 3.
Window shade pull. G. B. C. Miller, Jr. 2,599,121, June 3.
Window ventilator. H. P. Fields and B. Kucinski. 2,598,774, June 3.
Windshield cover for automobiles. E. B. Osborn. 2,599,066, June 3.
Windshield wiper, Electrically operated. A. E. Weigele. 2,598,951, June 3.
Windshield wiper mechanism. L. J. Carey. 2,598,971, June 3.
Wiping blade for coating devices. E. Warner. 2,598,733, June 3.
Wire-wound tangential telemetric transmitter. C. R. Mikolic. 2,599,406, June 3.
Workbench for power-driven hand and table tools, Portable. T. L. Dirksen. 2,599,096, June 3.
Work coil. R. M. Bukaty. 2,599,229, June 3.
Working and heat-treating a copper base alloy. J. F. Klement. 2,599,002, June 3.
Working the inner surface of a hollow body. J. J. Stampen. June 3.
Wrench: *See*—
Self-adjusting wrench.
Wrench having axially cammed collet. W. B. Strayer. 2,599,026, June 3.
Wringer. N. L. Etten. 2,598,773, June 3.
Wringer drive gear mechanism. E. V. De Carli. 2,599,239, June 3.
X-ray testing apparatus. I. G. Orellana. 2,598,825, June 3.
Yarn twisting machine. J. K. Hartley, V. F. West, and T. E. Edwards. 2,599,256, June 3.
Zinc smelting. R. K. Waring, L. D. Fetterolf, and T. L. Hurst. 2,598,743, June 3.
Zipper, Automatically locking. G. Sundback. 2,599,078, June 3.
Zircon ceramic bodies and composition and producing the same, Shaped. K. A. Gebler. 2,598,904, June 3.

CLASSIFICATION OF PATENTS

ISSUED JUNE 3, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business May 16, 1952

Total number of patent applications awaiting action, 98,415. Date of oldest new application, August 9, 1951; date of oldest amended application, August 2, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	9–10–51	9–6–51	2002
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	10–30–51	10–22–51	1124
3. WINDHEIM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	10–18–51	10–19–51	1562
4. FALLER, E. A., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	8–20–51	8–18–51	1559
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	9–28–51	9–24–51	1229
6. SURLE, H., Carbon Chemistry (part)	9–22–51	8–23–51	1836
7. ANDERSON, E. G. (Acting), Optics; Photography (part)	10–9–51	10–2–51	1180
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	8–30–51	8–27–51	1532
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	8–21–51	8–16–51	1362
10. NEFF, P. R. (Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	8–20–51	8–17–51	1343
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	8–23–51	8–24–51	931
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	8–30–51	8–16–51	1225
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	8–10–51	8–15–51	1153
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	8–17–51	8–15–51	1601
15. STEPHENSON, W. J. (Acting), Plastics; Plastic Block and Earthenware Apparatus; Glass	11–10–51	11–9–51	1123
16. LOVEWELL, N. N., Television, Telephony	9–1–51	9–1–51	1259
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	8–10–51	8–8–51	1838
18. KURZ, J. A., Power Plants; Speed Responsive Devices	8–16–51	8–17–51	1144
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8–24–51	8–25–51	1121
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes	9–14–51	9–10–51	1342
21. MADER, R. C., Textiles	8–15–51	8–15–51	1332
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8–18–51	8–6–51	1078
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	9–29–51	9–10–51	807
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	9–27–51	9–10–51	1424
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	8–29–51	8–29–51	1146
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	8–20–51	8–17–51	1234
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8–21–51	8–22–51	1510
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Serivce.	8–15–51	8–20–51	1235
29. HABECKER, L. B., Button Making; Woodworking; Tools	9–1–51	9–4–51	1054
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	10–2–51	10–1–51	1457
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy compounds, Hydrocarbons, Halogenated Hydrocarbons.	9–7–51	9–14–51	1993
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9–1–51	9–4–51	1106
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	8–17–51	8–10–51	1936
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8–22–51	8–15–51	1338
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	9–4–51	9–1–51	1391
36. McFADYEN, A. D., Measuring and Testing	8–18–51	8–22–51	1192
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	9–12–51	9–5–51	1294
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	8–17–51	8–20–51	1512
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	8–16–51	8–15–51	2586
40. DRUMMOND, E. J., Receptacles (part); Packages	9–17–51	9–4–51	1370
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	8–17–51	8–25–51	1099
42. MARANS, H., Electric Signaling (part, except submarine, altimeters, distance or direction measuring, and object detection; Signals; Telegraph (part); Signals and Indicators.	9–4–51	9–10–51	1057

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 98,415. Date of oldest new application, August 9, 1951; date of oldest amended application, August 2, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	9-14-51	9-17-51	1215
44. HARVEY, L. P., Beds; Chairs, Seats	8-14-51	8-9-51	1347
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-31-51	9-4-51	1261
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	9-7-51	9-1-51	908
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	8-23-51	8-14-51	1535
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	8-13-51	8-14-51	1605
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring	8-16-51	8-13-51	1344
50. BENGEL, W. G., Synthetic Resins	10-29-51	10-29-51	1493
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	9-4-51	9-4-51	1322
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	9-7-51	9-5-51	2043
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	9-15-51	9-17-51	993
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-20-51	8-22-51	1590
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	9-8-51	9-1-51	1064
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	9-13-51	9-12-51	1824
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	9-10-51	9-8-51	1669
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	8-27-51	8-16-51	828
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	9-21-51	9-7-51	1070
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9-28-51	9-18-51	1010
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	8-24-51	8-23-51	1229
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	10-19-51	9-20-51	1330
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	9-5-51	9-4-51	1525
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-21-51	9-17-51	1860
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-30-51	8-28-51	1454
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	8-23-51	8-13-51	1000
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	9-10-51	8-22-51	1240
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	9-15-51	9-6-51	1557
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	8-22-51	8-24-51	1282
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	8-9-51	8-2-51	2922
DESIGNS: A. BREHM, O. L., Industrial Arts	2-5-52	2-18-52	548
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	1-24-52	1-22-52	730

Total number of trade-mark applications awaiting action (including renewals and republications), 14,253. Date of oldest new application, Nov. 14, 1951; date of oldest amended application, Nov. 13, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	11-14-51	11-13-51	3544
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	11-27-51	11-27-51	3446
Renewals (All Classes)	3-15-52	4-12-52	734
Republications (All Classes)	4-5-52	4-12-52	200
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	11-23-51	11-21-51	3245
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	11-20-51	11-20-51	3074

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SMITH v. HAYWARD

No. 5619. Decided December 18, 1951

[— F.2d —; 92 USPQ 126]

1. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—BILL OF REVIEW—NOT SUPPORTED BY EVIDENCE AVAILABLE IN THE ORIGINAL PROCEEDING.

Where a petition involving a bill of review of a final judgment of the court is based upon an alleged fraud perpetrated upon the court, and the alleged fraudulent matter was available to the petitioner as collateral evidence in the original case, *Held* that the petitioner may not be relieved here of his inadvertence or neglect where counsel by due diligence could have adduced the controverted evidence in the interference proceeding.

2. SAME—SAME—SMITH v. HAYWARD, 37 CCPA 718, 176 F.2d 914, 628 O. G. 596.

Petition involving a bill of review of the decision in *Smith* v. *Hayward*, 37 CCPA 718, 176 F.2d 914, 628 O. G. 596 is denied, there being no merit with respect to any fraud or misrepresentation on the part of the appellant, his witnesses, or his counsel in the involved litigation.

ON PETITION to reopen Interference No. 81,858.

DENIED.

Edward A. Haight, for appellant.

James P. Burns, for appellee.

O'CONNELL, *J.*:

This proceeding relates to a petition by the party Smith, appellant. In effect, the petition involves a bill of review in equity[1] of a final judgment previously rendered by this court on an appeal taken from the decision of the Board of Interference Examiners of the United States Patent Office in an interference proceeding, the petitioner alleging here that the party Hayward, appellee, perpetrated a fraud upon the court in that case: *Smith* v. *Hayward*, 37 CCPA (Patents) 718, 176 F.2d 914, 83 USPQ 123, 628 O. G. 596.

The opinion in the case sets forth in detail the issue and basis for our conclusion on the question of priority. Reference is made thereto for a complete background of this proceeding. It may be noted also that a great deal of the subject matter of petitioner's papers and brief here is devoted to a discussion of the evidence and issues involved in the court's original decision.

The decision of the court was filed June 28, 1949; and pursuant thereto the mandate of the court was issued October 13, 1949, the claims of Hayward's involved application were allowed October 27, 1949, and the patent, No. 2,489,180, was granted to Hayward November 22, 1949. Those reported dates raise a serious doubt as to whether the party Smith has brought his petition within the period of time prescribed by Rule 60(b) of the Federal Rules of Civil Procedure.[2]

Every application for a patent is affected with the public interest, however, and a charge of fraud for perjury in respect to the granting thereof is a matter of grave concern not only to the tribunals of the Patent Office but also to every court of competent jurisdiction.[3] The issue raised by the petition here has been given full consideration therefore and will not be decided on purely jurisdictional grounds, bearing in mind that where events subsequent to an appeal may affect the correctness of our judgment, the court in a proper case may vacate the judgment and remand the cause for further proceedings as requested by the petitioner.[4]

The essence of the counts of the involved interference related to a new method of continuously detecting the presence of combustible gas occluded in the circulating mud at the top of an oil or gas well during the drilling operation of the well by the rotary method. The petitioner properly states in his brief that: "A reduction to practice of such a method requires that it be established that the method will show gas where it exists, and will not show gas where it does not exist." Moreover, both inventors in their respective specifications point out

[1] *Louis P. Josserand* v. *Samuel Herbert Taylor, Jr.*, 34 CCPA (Patents) 824, 159 F.2d 249, 72 USPQ 357, 601 O. G. 521; *Raymond et al.* v. *Wickersham*, 29 CCPA (Patents) 1166, 129 F.2d 522, 54 USPQ 244, 543 O. G. 651.

[2] That rule, inter alia, provides that: "On motion and upon such terms as are just, the court may relieve a party or his legal representative from a final judgment, order, or proceeding for the following reasons: (1) mistake, inadvertence, surprise, or excusable neglect; (2) newly discovered evidence which by due diligence could not have been discovered in time to move for a new trial under Rule 59(b); (3) fraud (whether heretofore denominated intrinsic or extrinsic), misrepresentation, or other misconduct of an adverse party; • • •. The motion shall be made within a reasonable time, and for reasons (1), (2), and (3) not more than one year after the judgment, order, or proceeding was entered or taken."

[3] *Precision Co.* v. *Automotive Co.*, 324 U. S. 806, 576 O. G. 369.

[4] *Walling* v. *Reuter Co.*, 321 U. S. 671.

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that the invention of the counts defines a method of continuously detecting the presence of gas and the quantities thereof, "even *the most minute quantities of gas*," for the purpose of promptly warning the drilling operator so as to prevent the incipient blowout of the well with disastrous results.

Two such drilling operations at wells have been respectively identified throughout the litigation as the Barrow No. 1 Well and the Keeran No. 1 Well, and Smith in his petition alleged that the Patent Office and the court's findings in the interference were based on testimony that those wells "were successfully completed and *produced gas* from the stratum shown to contain gas by Hayward's use of the method."

Smith, with reference to his petition, states in his brief that:

> Exhibit 1 attached to Smith's petition is the official report filed by Hayward's employer, the Barnsdall Oil Company, with the Department of Conservation of the State of Louisiana with respect to the Barrow No. 1 Well. The form has a space for reporting "Oil and Gas Zones." This is answered by Hayward's employer: "None." The final notation on the first page of this official report states "ABANDONED AS DRY HOLE: NO GAS OR OIL SHOWS." Thus the Barrow No. 1 Well contained no gas show for Hayward to detect. All that he could have determined was what the affidavits in support of his opposition (Exhibit D of Memorandum in Opposition) characterized as "inconsequential characteristics."
>
> * * * * * * *
>
> Smith's position is that Hayward deliberately withheld from Smith, the Board, and this court the essential information that his employer had abandoned the Barrow No. 1 Well and had reported to the State of Louisiana "No gas or oil shows."

The form or questionnaire filled out by the Barnsdall Oil Company for the records of the State of Louisiana did not contain the impressive emphasis that the petitioner has employed in the quotation hereinbefore set forth. That emphasis, together with other similar matters therein set forth in the petitioner's original petition, caused this court to hear the petition here involved.

Reliable evidence contained in the affidavits of experienced petroleum engineers submitted by Hayward in reply to Smith's allegations, however, uniformly state that abandonment reports "as a general practice, do not carry indications of non-commercial gas shows" and that in the State of Louisiana, particularly, where the Barrow No. 1 Well was drilled, "small gas shows are encountered and the inconsequential characteristics of such shows dictate the abandonment of the well" as a dry hole.

The petitioner Smith has proceeded here on the expressed assumption that "One does not operate a well without producing something from it. The drilling of a worthless hole in the ground and abandoning it, is not the operation of a well." Hayward proceeds on the unexpressed assumption that the last quoted statement is axiomatic. Hayward contends, however, that whether a well, during the drilling of which the method of the counts was practiced, ultimately turned out to be a producing well or an abandoned dry hole is absolutely of no importance.

[1] Hayward in support of his position points out here, that quite apart from the completely irrelevant information filed with the State of Louisiana by Hayward's employer, the Barnsdall Oil Company, collateral evidence in the original case to the very same effect on the point in question as the evidence now placed before the court was made fully available to Smith during the prosecution of the interference proceeding and was further available as to its credibility by cross-examination. In the situation just described, our court has recently held that where counsel by due diligence could have adduced the controverted evidence in the interference proceeding, a party or his legal representative may not be relieved here of his inadvertence or neglect. *Learned* v. *Thompson*, 39 CCPA (Patents) —, 191 F.2d 409, 91 USPQ 57, 651 O. G. 1263.

The petitioner's brief also vigorously urges that the word "completion," employed by some of Hayward's witnesses in reference to the drilling of the Barrow No. 1 Well, is tantamount to the promulgation of a false impression that the well was a producing well. The term in question has been judicially defined, however, by appellate courts having jurisdiction in the gas and oil fields to designate a well drilled to the extent that either oil or gas has been found, or is not likely to be found in paying quantities, by drilling deeper,[5] or drilled to that reasonable depth at which the product in paying quantity was usually proven or disproven to exist in that particular locality.[6]

[2] We have critically examined all other evidence and points submitted by the petitioner Smith and find there is no merit whatever with respect to any fraud or misrepresentation on the part of Hayward, his witnesses, or his counsel in the involved litigation.

For the reasons hereinbefore stated, Smith's petition is hereby denied.

DENIED.

U. S. Court of Customs and Patent Appeals

SCINTA ET AL. *v.* ANDERSON

No. 5821. Decided December 18, 1951. Petition for rehearing denied February 18, 1952

[193 F.2d 1020; 92 USPQ 276]

1. INTERFERENCE — MOTION TO ADD APPLICATION — EXCLUSIVELY WITHIN AUTHORITY OF PRIMARY EXAMINER.

   Held that there was no error in the decision of the Board of Interference Examiners, holding that it was without jurisdiction to substitute an earlier sole application for the joint application involved in the interference, since the determination of such motions is exclusively within the authority of the primary examiner.

2. SAME—PRIORITY OF INVENTION—WINDSHIELD WIPER.

   The decision of the Board of Interference Examiners awarding priority of invention of the counts in issue to appellee is affirmed.

APPEAL from Patent Office, Interference No. 83,363.

AFFIRMED.

[5] *Frost* v. *Martin*, 203 S. W. 72.
[6] *Britton* v. *Cotton States Petroleum Co.*, 283 S. W. 887.

Edwin T. Bean and *Conrad Christel* (*Bean, Brooks, Buckley & Bean* of counsel) for appellants.

Davis, Lindsey, Hibben and Noyes, Harry W. Lindsey, Jr., Bacon and Thomas, Francis D. Thomas, Harry F. Glemser, Charles S. Penfold, and *William Wallace Cochran* for appellee.

WORLEY, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners awarding priority of invention of the subject matter of the single count to appellee.

The application of appellants, Serial No. 736,492, for "Windshield Cleaner" was filed March 22, 1947. The application of appellee with the same title, Serial No. 634,730, was filed December 13, 1945. In response to a request by the Primary Examiner for a more specific title, appellee changed his title to "Windshield Wiper Blade Linkage Assembly." Appellants, being the junior party, have the burden of establishing priority of invention by a preponderance of evidence. Testimony was taken on behalf of appellants. Appellee took no testimony. Both parties filed briefs and were represented at the final hearing.

The involved subject matter relates to windshield cleaners or wipers particularly adapted for the wiping of curved and flat surfaces, as may be readily ascertained by a reading of the count which is a claim drawn by the Primary Examiner who suggested it for adoption by both parties and which reads as follows:

> A wiper for cleaning a curved surface, comprising an elongated blade flexible for conforming to the surface curvature, the blade having an elongated flexible backing strip, a primary yoke extending lengthwise of the strip and having an arm attaching portion, and secondary yokes, one secondary yoke connected intermediate its ends to an end of the primary yoke and having its opposite ends connected to the backing strip at longitudinally spaced points, and another secondary yoke connected intermediate its ends to the opposite end of the primary yoke and having its opposite ends connected to the backing strip at longitudinally spaced points.

The motion period closed on January 8, 1949, but on February 25, 1949, the assignee of appellants, the Trico Products Corporation, filed a motion requesting an addition to the interference of the sole application of Scinta, Serial No. 636,548, dated December 22, 1945. Accompanying that motion was an affidavit by counsel for the purpose of excusing delay in filing. The motion was set for hearing before the Primary Examiner as one to substitute the sole application for the joint application of appellants. The motion was denied and a petition for reconsideration filed but the Primary Examiner adhered to his original ruling. Counsel for appellants then filed a petition directed to the Commissioner of Patents invoking his supervisory authority and requesting a review of the decision of the Primary Examiner. In his decision denying the petition the Commissioner noted that the decision of the Primary Examiner denying the motion was for the reason that the involved count cannot be read upon the sole application. The Commissioner further stated:

> The supervisory authority of the Commissioner properly is invoked only to correct a clear and palpable error or to prevent a gross miscarriage of justice. Petitioner has not so much as pointed out wherein any of the foregoing rulings of the Primary Examiner are erroneous, nor so much as indicated wherein they show any abuse of discretion on his part.

In their brief at final hearing, counsel for appellants urged that the sole application should be substituted for the joint application. The Board held that upon the facts herein it was without jurisdiction to make these substitutions. In support of that holding, the Board cited the case of *Cohen et al.* v. *Sparrow*, 32 CCPA (Patents) 809, 146 F.2d 284, 64 USPQ 235, 572 O. G. 351, and quoted extensively from the opinion in that case. It also called attention to the following cases: *Josserand* v. *Taylor, Jr.*, 31 CCPA (Patents) 709, 138 F.2d 58, 59 USPQ 140, 557 O. G. 217; *Boileau* v. *Godfrey*, 31 CCPA (Patents) 723, 138 F.2d 67, 59 USPQ 149, 557 O. G. 417; and *Smith* v. *Hayward*, 37 CCPA (Patents) 718, 176 F.2d 914, 83 USPQ 123, 628 O. G. 596. The Board distinguished the two cases cited by appellants in their reply brief, *Briggs* v. *Kaisling*, 53 App. D. C. 49, 288 Fed. 254, 311 O. G. 3, and *Crane* v. *Grier and Warren*, 21 CCPA (Patents) 1163, 71 F.2d 180, 22 USPQ 31, 448 O. G. 268, holding the doctrine of those two cases not applicable here.

[1] It will be observed by a reading of the decision in the *Cohen* case, supra, that this court succinctly outlined the jurisdiction of the Primary Examiner, the Board of Interference Examiners and this court in the following language:

> The Primary Examiner retains jurisdiction of a case until the declaration of interference is made. Rule 100. When motions are made under Rules 109 and 122 they are determined by the Primary Examiner. Such determination is exclusively within the authority of the Primary Examiner and cannot be reviewed by the Board of Interference Examiners except as provided in the last sentence of Rule 122 and in Rule 130.
>
> Counsel for appellants under his reasons of appeal would have us direct the Board of Interference Examiners to do that which is exclusively within the authority of the Primary Examiner. This we cannot do.

We find no error in the decision of the Board holding it was without jurisdiction to substitute the earlier Scinta sole application for the joint application.

Near the close of the motion period, counsel for appellants moved to dissolve the interference. The motion appears to have been directed to alleged unpatentability of the count over the prior art and also to the contention that the disclosure of appellee does not meet the limitations of the count. The Primary Examiner denied the motion and also a petition for reconsideration thereof. Before the Board it was again contended by counsel for appellants that appellee cannot make the count.

In support of the second ground for dissolution, counsel for appellants took the testimony of a qualified and disinterested expert as to whether or not appellee could make the count. Objection was made to such testimony by counsel for appellee on the ground that it was improper in an interference proceeding. Counsel further made specific objection to particular portions of the testimony.

In support of their position as to the propriety of taking testimony with respect to the allegation that appellee could not make the count, counsel for appellants cited the cases of *Gordon* v. *Wentworth*, 1907 C. D. 295, 130 O. G. 2065; *Robins* v. *Wettlaufer*,

23 CCPA (Patents) 952, 81 F.2d 882, 28 USPQ 470, 468 O. G. 3; and *James* v. *Clayton, Kerrick and Stadt*, 24 CCPA (Patents) 1329, 90 F.2d 337, 34 USPQ 24, 485 O. G. 754.

Counsel for appellee, in their brief, cited cases where permission to take expert testimony was refused. The Board cited the case of *Armstrong* v. *Levy*, 58 App. D. C. 293, 29 F.2d 953, 378 O. G. 736, wherein it was held that the decision of the Commissioner, refusing such permission, was without merit. The Court of Appeals in that case cited the decision in the case of *Cooper* v. *Downing*, 45 App. D. C. 345, 222 O. G. 727, in which it was stated:

> The Commissioner of Patents properly refused to hear evidence as to what was intended by Downing's original application and disclosure, holding that it is the duty of the tribunals of the Patent Office, composed of men presumed to be sufficiently expert in understanding technical terms and the state of the art, to determine for themselves what an application discloses. * * *

The Board pointed out in its decision that in the case of *Fishburn and Robbins* v. *Vincent*, 24 CCPA (Patents) 1079, 88 F.2d 711, 33 USPQ 156, 484 O. G. 262, that this court quoted with approval the exact words of the commissioner in the *Cooper* case, supra, and also that a full statement of the position of the Patent Office in this respect is found in *Shultz* v. *Dunham*, 1930 C. D. 11, 401 O. G. 719. It also noted that the subject is considered in Volume III of *Interference Law and Practice* by Rivise and Caesar in Section 396, "Rule Against Opinion Evidence," and 397, "Expert Testimony." The Board quoted from that authority as follows: "It is well settled that expert testimony is not admissible to explain or interpret the counts in issue." The Board noted that no formal motion under Rule 243 had been filed and it did not formally strike the disputed deposition but, in view of the objections thereto, observed that the weight to be given it should be governed by the cited cases which have been referred to herein. The Board then stated as follows:

> * * * An application itself is clearly the primary or "best" evidence of what it discloses and it is well settled that the interpretation of the legal character of the count cannot be delegated to an expert employed by a party (*Ricketts* v. *Ambruster and Beck*, 143 O. G. 276, 1909 C. D. 109). So far as the statement of counsel may be considered a motion, it is granted to this extent.

In view of our conclusion the only issue for determination here is whether the disclosure in the application of appellee as filed supports the single count.

It is contended by counsel for appellants that the limitation "an elongated flexible backing strip" is absent from the disclosure of appellee. The structure defined by that limitation is disclosed in the application of appellee and designated therein by "the holder" comprising two thin metallic strips which are rigidly connected by means of clips in order to form a single unit. The Board quoted with approval from the brief of counsel for appellee the following statement:

> The two strips 15 of Anderson are "*permanently secured together in spaced apart parallel relation*" at four points by the narrow clips 18, 19, 20 and 21 (Specification p. 5, l. 21). This structure is thus a single permanent unit or element, the same as if it had been made out of a single continuous integral piece of metal or two pieces welded together. There is nothing in the count limiting the "strip" to a single piece, rather than to several pieces permanently connected together to form a strip and serving exactly the same function. [Italics quoted.]

A careful examination of the exhibits and the disclosure in the application of appellee convinces us that the position of the Board with respect to the backing strip is without error.

It is also clear to us from an examination of the structure of appellee that the ends of his secondary yokes are connected to the backing strip and the only way in which we could agree with the contention of counsel for appellants that that limitation was disregarded would be to hold that there is no elongated flexible backing strip in the Anderson structure.

[2] For the reasons hereinbefore set out, the decision of the Board is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,744,016, A. P. Steckel, Metal rolling; 1,779,195, same, Method and apparatus for rolling thin sheet-like material, D. C., E. D. Mich. (Detroit), Doc. 4729, *The Cold Metal Process Co.* v. *Ford Motor Co.* Stipulation and order dismissing cause with prejudice Apr. 28, 1952.

1,779,195. (See 1,744,016.)

1,916,945, H. Ferguson, Tractor-drawn agricultural implement; 2,118,180, same, Tractor for agricultural implement; 2,223,002, same, Tractor implement; 2,486,257, E. V. Bunting, Tractor hitch and differential housing, D. C., S. D. N. Y., Doc. 44/482, *Harry Ferguson, Inc.* v. *Ford Motor Co. et al.*

1,925,779. C. L. Tomlinson, Plow share attachment; 2,475,536, H. J. Woock, Renewable plow edge, D. C., N. D. Ill. (Chicago), Doc. 51c1282, *Linden & Co. et al.* v. *The Whitaker Mfg. Co.* Complaint dismissed without prejudice as to 1,976,268 for failure to join as party plaintiff the other co-owner of said patent Oct. 19, 1951, complaint and counterclaim dismissed with prejudice Apr. 14, 1952.

1,952,230. (See Re. 21,544.)

1,997,890. (See Re. 21,544.)

2,007,231. (See Re. 21,544.)

2,050,127. (See Re. 21,544.)

2,051,430. (See Re. 21,544.)

2,068,889. (See Re. 21,544.)

2,112,389, C. D. Trussell, Sheet binder; 2,116,589, same, Wire-bound book including sheet-binding means, suit for declaratory judgment filed Apr. 16, 1952, D. C., S. D. N. Y., Doc. 75/14, *Spiral Binding Co., Inc.* v. *Wire-O-Corp. et al.*

2,118,589. (See 2,112,389.) 2,118,180. (See 1,916,945.)

2,124,695, W. W. Gleason, Spring assembly, D. C., E. D. N. Y. (Brooklyn), Doc. c-10454, *Nachman Corp.* v. *Joseph Aronauer, Inc.* Consent decree for injunction Apr. 15, 1952.

2,131,675, R. E. Schieber, Table structure; 2,203,394, same, Folding bench and table construction, filed Apr. 15, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14014–C, *Schieber Mfg. Co.* v. *Rol-Fol Table, Inc.*

2,133,590, C. A. Stopper, Box, filed Apr. 14, 1952, D. C., E. D. Pa. (Philadelphia), Doc. 13529, *Diamond Paper Box Co.* v. *Toll Paper Corp. et al.*

2,186,635, Du Mont & Hinck, Cathode-ray tube, filed Apr. 25, 1952, D. C., N. J. (Newark), Doc. 359/52, *Allen B. Du Mont Laboratories, Inc.* v. *Tel-O-Tube Corp.*

2,203,394. (See 2,131,675.)

2,219,352, O. E. Andrus, Process of lining vessels by electric fusion welding, filed Apr. 17, 1952, D. C., S. D. Tex. (Houston), Doc. 6760, *A. O. Smith Corp.* v. *Wyatt Metal & Boiler Works.*

2,223,002. (See 1,916,945.)

2,375,205, H. Barras, Piling and loading machine, filed Apr. 22, 1952, D. C. La. (New Orleans), Doc. 3442, *H. Barras* v. *E. J. Boudreaux.*

2,409,425, D. R. Falkenberg, Drapery mounting, D. C., N. D. Ill. (Chicago), Doc. 50c459, *D. R. Falkenberg* v. *Plasti-Glo Mfg. Co.* Claims 14 and 15 held valid and infringed June 21, 1952; judgment of June 21, 1951, reversed and remanded to district court with directions to dismiss complaint Apr. 22, 1952.

2,425,779. (See Re. 23,142.)

2,454,621. (See Re. 23,142.)

2,475,536. (See 1,925,779.) 2,486,257. (See 1,916,945.)

2,503,032, P. De Samelson, Power booster for raising large type umbrellas, D. C., S. D. N. Y., Doc. 71/5, *P. De Samelson* v. *The Troy Sunshade Co.* Stipulation and order of discontinuance Apr. 14, 1952.

2,531,594, L. H. Abrahams, Packaged coffee, D. C., N. D. Ill. (Chicago), Doc. 51c1246, *Modern Coffees, Inc., et al.* v. *Koffy-Pak Corp.* Cause dismissed without prejudice (notice Apr. 18, 1952).

2,566,193. A. Grossman, Diaper holder, filed Apr. 14, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c797, *A. Grossman* v. *Transparent Cover Co., Inc., et al.*

2,593,392. (See Des. 158,439.)

Re. 21,544, C. C. Richard, Hydraulic mechanism for determining the path of movement of a tool; 1,952,230, G. V. Anderson, Automatic profile milling machine; 1,997,890, E. L. Wall, Universal tracer; 2,007,231, same, Duplicating machine; 2,051,430, same, Universal die sinking attachment for vertical milling machines; 2,050,127, B. Sassen, Tracer controlled cam cutting machine; 2,068,889, Roehin & Romaine, Milling and profiling machine, D. C., E. D. Mich. (Detroit), Doc. 5941, *The Cincinnati Milling Co.* v. *C. E. Walker et al.* (1). Complaint dismissed as to Re. 21,544 and 2,007,231; (2) Claims 13, 15, 18, 24, 33, 38, 46, 57, 60, 67, 72, and 73 of 1,952,230, claims 9, 12, and 13 of 1,997,890, and claims 13, 14, and 25 of 2,051,430 held not infringed, complaint dismissed with prejudice; (3) claim 16 of 2,068,889 held invalid and dismissed with prejudice; (4) counterclaim for declaratory judgment dismissed Apr. 14, 1952.

Re. 22,272, N. C. Price, Pressure control system for aircraft cabins, suit for declaratory judgment filed Apr. 15, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14011–T, *Pacific Airmotive Corp.* v. *The Garrett Corp. et al.*

Re. 23,142 (of 2,425,779), F. B. Allen, Discharge head; 2,454,621, same, Squeeze grip for portable fire extinguisher; D. C., N. D. Ill., E. Div., Doc. 50c75, *C-O-Two Fire Equipment Co.* v. *Acme Equipment Co. et al.* Consent judgment as to Kerotest Mfg. Co. only, Apr. 3, 1952. Dismissed for want of prosecution Apr. 14, 1952. Order of Apr. 14, 1952, vacated and case reinstated Apr. 17, 1952. Judgment by consent as to Acme Equipment Co., Apr. 17, 1952.

Des. 151,733, W. G. Bley, Lady's stocking, filed (notice Apr. 23, 1952), D. C. N. J. (Camden), Doc. 291/52, *Sanson Hosiery Mills, Inc., et al.* v. *Collingswood Hosiery Mills, Inc.*

Des. 158,439, 2,593,392, Bundlane & Dusek, Electric deep fat fryer, supplemental complaint filed Apr. 18, 1952, D. C., N. D. Ill., E. Div., Doc. 50c1647, *Dulane, Inc.* v. *Dormeyer Corp.*

Des. 163,556, N. T. Baldanza, Child's toilet seat, filed Mar. 25, 1952, D. C. Mass. (Boston), Doc. 52/348, *Columbia Protektosite Co., Inc.* v. *Great American Plastics Co. et al.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 55,704, Pacific Mills, Piece goods, cotton and wool; T. M. 156,383, same, Cotton piece goods; T. M. 340,926, T. M. 402,733, T. M. 404,879, same, Rayon piece goods, D. C. N. J. (Newark), Doc. 100/52, *Pacific Mills* v. *Pacific Dyeing & Finishing Co., Inc.* Consent judgment for injunction (notice Apr. 18, 1952).

T. M. 128,351, The Crown Overall Mfg. Co., Inc., Overalls; T. M. 199,341, same, Overalls and union-suit working garments, D. C., N. D. Ga. (Atlanta), Doc. 3557, *The Crown Overall Mfg. Co., Inc.* v. *Crown Garment Co., Inc., et al.* Judgment favor defendant Apr. 22, 1952.

T. M. 156,383. (See T. M. 55,704.)

T. M. 199,341. (See T. M. 128,351.)

T. M. 225,700, Angelica Jacket Co., Men's and women's apparel and uniforms, filed Apr. 18, 1952, D. C., E. D. Pa. (Philadelphia), Doc. 13554, *Angelica Uniform Co.* v. *Angelica Hosiery Mills, Inc.*

T. M. 309,744, Mehdi Dilmaghani & Co., Inc., Rugs, carpets and tapestries, filed Apr. 23, 1952, D. C., S. D. N. Y., Doc. 75/87, *Mehdi Dilmaghani & Co., Inc.* v. *R. K. Kermani.*

T. M. 340,926. (See T. M. 55,704.)

T. M. 402,733. (See T. M. 55,704.)

T. M. 404,879. (See T. M. 55,704.)

T. M. 540,457, Cott Beverage Corp., Nonalcoholic maltless beverages, D. C., N. D. Ill. (Chicago), Doc. 52c302, *Cott Beverage Corp.* v. *Chicago Beverage Co. et al.* Injunction against Chicago Beverage Co. only; trade-mark held infringed Feb. 15, 1952.

T. M. 555,664, L. Silvers, Grooved phonograph records, filed Mar. 25, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 13957–T, *Louis Silvers* v. *Ted Russell.*

NOTICES

Notice of Tentative Recordation of Trade Name

[T. D. 52986]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C., Apr. 30, 1952

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"ERNST SEIDELMANN CORPORATION" owned by Ernst Seidelmann Corporation, a corporation of New York, 233 Broadway, New York 7, New York, which trade name is used in connection with exportations of various products to several countries and with importations of lumber from Honduras and other Central American countries.

Any person who desires to file an opposition to the recordation of this trade name shall notify the Commissioner of Customs, Bureau of Customs, Washington 25, D. C., before the expiration of 30 days after May 15, 1952, of his intent to oppose the recordation. If a notice of opposition is filed, the opposer will be furnished with a copy of the application for recordation of the trade name, together with its supporting documents and instructions as to the procedure to be followed. The customs officers concerned will be given notice within 45 days after May 15, 1952, of any opposition proceeding.

Until 45 days after May 15, 1952, all articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless a notice is received that an opposition has been filed, in which case such articles shall continue to be detained until a final determination is made concerning the right of the applicant to the trade name.

(Signed) FRANK DOW,
Commissioner of Customs.

Order No. 5299

David H. Eckroad, whose post office address is c/o The New Inventor's Club, Inc., 5511 Euclid Avenue, Cleveland 3, Ohio, and whose registration number is 3207, is hereby excluded from practice as an attorney in any application before the United States Patent Office, without prejudice to his re-registration after one year and after full compliance with all the requirements of Rule 341, as in the case of one seeking registration who had not been previously registered.

This action is taken under the provisions of section 487, Revised Statutes (U. S. C. title 35, section 11).

THOMAS F. MURPHY,
Feb. 20, 1952. *Assistant Commissioner.*

Disclaimers

2,339,945.—*James Wallace Raynolds*, Pittsburgh, Pa. RUBBER CHLORIDE MANUFACTURE. Patent dated Jan. 25, 1944. Disclaimer filed May 9, 1952, by the assignee, *Hercules Powder Company.*

Hereby enters this disclaimer to claims 9, 10, and 11 of said patent.

2,517,120.—*Ernest G. Linder*, Princeton, N. J. METHOD OF AND MEANS FOR COLLECTING ELECTRICAL ENERGY OF NUCLEAR REACTIONS. Patent dated Aug. 1, 1950. Disclaimer filed Apr. 29, 1952, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1, 3, 4, 5, 7, and 8 of said patent.

Cancellation Notice

The Geneva Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by The Borden Company, 350 Madison Avenue, New York 17, N. Y., to effect the cancellation of trade-mark registration of The Geneva Corporation, Lake Geneva, Wisconsin, No. 403,914, dated October 19, 1943, and the notice of such proceeding sent by registered mail to the said The Geneva Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Geneva Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—May 27, 1952.)

THOMAS F. MURPHY,
May 12, 1952. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,571,063. Vane Type Hydraulic Clutch. Patented Oct. 9, 1951. Hydraulic clutch is reversible in operation and is particularly adapted for use as a fluid drive for automotive vehicles. The clutch has features similar to a rotary pump in combination with other elements including a governing arrangement to provide automatic control of torque from zero to maximum. During normal operation, fluid within the clutch is circulated only for relatively short periods. When the speed of the driven element is not the same as the speed of the driving element, circulation of fluid within the clutch takes place until the speeds of the driving and driven elements are equalized. As soon as maximum torque is no longer required, or when the speeds of the driven and driving elements are equalized, further circulation of fluid is automatically prevented. (Co-owner) William A. Roth, 88 Leech St., St. Paul 2, Minn. Groups 35—61—66; 38—31. Reg. No. 47,770.

Pat. 2,543,153. Floral Spray Bar. Patented Feb. 27, 1951. A holder for cut flowers for use in making a hanging funeral spray. The holder has an inner casing to hold peat moss or other moisture-absorbent material, and a back wall adjustably connected thereto provided with a hanger strap. An outer container is spaced about inner casing. The container and casing have many spaced inclined registering openings to receive the stems of flowers. (Owner) Burleigh Cowart, 549 East Polk Ave., Pascagoula, Miss. Groups 25—41—54—71—99; 26—69; 32—98; 34—99; 39—81; 40. Reg. No. 47,771.

Pat. 2,343,651. Cleansing and Polishing Medium for Dentifrices or the Like. Patented Mar. 7, 1944. Dentifrice contains as an essential ingredient particles of hard wood. Hard wood stock is cut across the grain to form wafers. The wafers are broken up and screened to produce particles of larger diameter across the grain than with the grain. The faces with the grain join the faces across the grain at an abrupt angle, forming scraping edges. The end faces across the grain serve as polishing surfaces. (Owner) George T. Fielding, 20 West North St., Stamford, Conn. Group 28—32. Reg. No. 47,772.

Pat. 2,559,233. Aircraft Refueling Plant. Patented July 3, 1951. Mobile plant for refueling aircraft includes a tank and a hollow boom forming a conduit for delivering fuel from the tank to aircraft. The boom is mounted for swinging movement about both vertical and horizontal axes, and is biased toward raised position by spring elevator mechanism. A metal housing welded to the front of the tank supports a hollow bearing shell having a lateral flanged pipe connection for supplying liquid to the shell from the tank. A vertical spigot closed at its lower end is mounted to rotate about its axis in the shell. The spigot has communication in all positions with the interior of the shell for the passage of liquid. A hollow boom is mounted for vertical swinging movement in the upper end of the spigot and is connected thereto for the passage of liquid. (Owner) Zwicky Limited. Correspondence to A. E. O'dell, 15 Great James St., London, W. C. I, England. Groups 35—69; 37—22; 38—11. Reg. No. 47,773.

Pat. 2,580,796. Shopping Bag. Patented Jan. 1, 1952. This invention in its construction is equipped with a waterproof lining which is secured at the mouth of the outer bag of the structure so as to permit inverting the lining for cleaning purposes whenever the interior lining becomes contaminated by breakage or by odors of the foods carried in the shopping bag. The bag, in addition to its carrying handles, has a draw string arrangement at its mouth to permit closing in order to conceal all the foods deposited within. (Owners) Herman H. Kleiss and Eva B. Kleiss, 2940 North Hoyne, Chicago, Ill. Groups 23—94—99; 30—51; 31—61; 39—81; 40. Reg. No. 47,774.

Pat. 2,582,716. Trailer Caster. Patented Jan. 15, 1952. Mechanical structure for easy attachment to a trailer frame includes a hanger plate with a king pin supporting a casing secured to and suspended centrally from the plate, and a king pin journaled in the casing. A yoke is horizontally hinged to the king pin in vertical alignment with the central vertical axis of the king pin to provide a vertically aligned rockable support for the yoke. A bearing ring assembly is fixed to the exterior of the casing. The yoke has a forwardly extending portion connected by stabilizing springs to the bearing ring assembly, and a rearwardly extending portion which may carry either a single or dual wheel. As the wheel of trailer passes over rough ground, the springs constitute shock absorbers, which take up a major portion of the shock, to provide smooth travel for trailer. The journaling of the king pin and the hinging of the yoke thereto permit the wheel to follow easily the towing vehicle. (Owner) Edwin M. Nelson, P. O. Box 164, Hayward, Wis. Groups 37—99; 38—11—41. Reg. No. 47,775.

Pat. 2,552,460. Graphic Proportionator. Patented May 8, 1951. Graphic proportionator especially designed for use by photographers. A base has an arcuate groove extending from side to side. A swivel blade is mounted on an angle square immovably supported above the base. A headed set screw at free end of blade is guided in the groove and has a clamping nut for adjusting the blade. A slotted swivel disc is mounted for longitudinal adjustment on the blade, and a second angle square is swivelly attached to the disc. The square may be moved to form various sizes of rectangles outlined by the two squares while the blade is being adjusted for guiding the movable square. The blade may be released and swung to one side, leaving an unobstructed sight between the two squares to be photographed or processed. (Owner) Frederick W. Rodman, 105 East Circle Drive, Jefferson City, Mo. Groups 27—92; 35—65; 39—11—12. Reg. No. 47,776.

Pat. 2,581,707. Combination Toy and Savings Bank. Patented Jan. 8, 1952. Bank for children comprises a coin receptacle, and a body member of the configuration of a chicken, dog, or the like, which may be depressed to permit a coin to slide into the receptacle. Coin receptacle has an enlargement on its upper end with a slot to receive a post having a flange on its upper end. The body member, which is slidably mounted on the post and limited in its up-and-down movement by the flange, is normally urged to raised position by a spring. The body member may be depressed to bring a coin slide therein into alignment with a slot in the post. Bank may be locked and is provided with a key. (Owner) Arthur P. Roffee, Sr., 24 Delaware Ave., Lincoln Park, R. I. Groups 39—41—81; 40. Reg. No. 47,777.

The Markite Company is prepared to grant sub-licenses under the following patent on reasonable terms. Communications concerning sub-licenses should be addressed to: Myron A. Coler, % Markite Company, 155 Waverly Place, New York 14, N. Y.

This patent is also listed on the Register by the Atomic Energy Commission, and was published (Reg. No. 46,223) in the Register section of the OFFICIAL GAZETTE, Jan. 15, 1952.

Pat. 2,573,639. Manufacture of Porous Articles From Trifluorochloroethylene Polymer. Patented Oct. 30, 1951. This patent discloses a method of preparing a porous article of trifluorochloroethylene polymer. The finely divided powder of the polymer is cold-molded at a pressure greater than 500 pounds per square inch and after removing from the mold is sintered at an elevated temperature not in excess of 250° C. Group 28—83. Reg. No. 47,778.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Services Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The majority of the following 37 patents relate to hydraulic transmissions of the Fottinger type for driving automotive vehicles. Other patents relate to: Clutches; a spark plug bushing; an ignition unit; a combined sprocket and guide wheel for chain conveyors; dynamo-electric machines; electrical regulating and control apparatus; an electric switch having a quickly releasable toggle; joint construction for laminated magnetic cores; a progressive arc quencher for heavy duty circuit interrupters; and the production of polymers and copolymers of acenaphthylene. Reg. Nos. 47,779 through 47,815.

Pat. 2,040,684. Electric Circuit Control Means. May 12, 1936. Group 36—19.

Pat. 2,101,685. Combined Sprocket and Guide Wheel. Dec. 7, 1937. Group 35—66.

Pat. 2,102,425. Fottinger Drive. Dec. 14, 1937. Groups 35—61—66; 38—11.

Pat. 2,120,896. Automatic Power Transmission for Automotive Vehicles. June 14, 1938. Groups 35—61—66; 38—11.

Pat. 2,128,828. Hydraulic Transmission Gear. Aug. 30, 1938. Groups 35—61—66; 38—11.

Pat. 2,140,377. Power Supply for Rectifier Auxiliaries. Dec. 13, 1938. Group 36—19.

Pat. 2,141,305. Hydraulic Coupling. Dec. 27, 1938. Groups 35—61—66; 38—11.

Pat. 2,144,596. Hydraulic Gear. Jan. 17, 1939. Groups 35—61—66; 38—11.

Pat. 2,145,005. Hydraulic Turbine Torque Converter. Jan. 24, 1939. Groups 35—61—66; 38—11.

Pat. 2,145,006. Turbo Gearing. Jan. 24, 1939. Groups 35—61—66; 38—11.

Pat. 2,146,569. Hydraulic Gear Arrangement. Feb. 7, 1939. Groups 35—61—66; 38—11.

Pat. 2,166,792. Hydraulic Torque Converter. July 18, 1939. Groups 35—61—66; 38—11.

Pat. 2,167,487. Dynamo-Electric Machine. July 25, 1939. Group 36—19.

Pat. 2,212,395. Clutch Mechanism. Aug. 20, 1940. Groups 35—66; 38—11.

Pat. 2,226,801. Hydraulic Gear of the Fottinger Type. Dec. 31, 1940. Groups 35—61—66; 38—11.

Pat. 2,226,802. Hydraulic Coupling for Vehicles. Dec. 31, 1940. Groups 35—61—66; 38—11.

Pat. 2,236,291. Dynamoelectric Machine. Mar. 25, 1941. Group 36—19.

Pat. 2,237,814. Electrical Apparatus. Apr. 8, 1941. Group 36—19.

Pat. 2,242,010. Dynamoelectric Machine. May 13, 1941. Group 36—19.

Pat. 2,256,878. Hydraulic Coupling. Sept. 23, 1941. Groups 35—61—66; 38—11.

Pat. 2,260,015. Hydraulic Device for Transmitting Power. Oct. 21, 1941. Groups 35—61—66; 38—11.

Pat. 2,272,756. Regulating Apparatus. Feb. 10, 1942. Group 36—19.

Pat. 2,279,019. Hydraulic Vehicle Power Transmission. Apr. 7, 1942. Groups 35—61—66; 38—11.

Pat. 2,289,094. Hydraulic Torque Converter. July 7, 1942. Groups 35—61—66; 38—11.

Pat. 2,294,768. Hydraulic Coupling. Sept. 1, 1942. Groups 35—61—66; 38—11.

Pat. 2,294,769. Mechanical Transmission for Automotive Vehicles. Sept. 1, 1942. Groups 35—66; 38—11.

Pat. 2,307,506. Hydraulic Coupling. Jan. 5, 1943. Groups 35—61—66; 38—11.

Pat. 2,330,039. Coupling. Sept. 21, 1943. Groups 35—61—66; 38—11.

Pat. 2,338,518. Dynamoelectric Machine. Jan. 4, 1944. Group 36—19.

Pat. 2,382,869. Clutch. Aug. 14, 1945. Groups 35—66; 38—11.

Pat. 2,390,821. Method of Making Spark Plug Unit Bushings. Dec. 11, 1945. Group 36—41.

Pat. 2,392,171. Ignition Unit. Jan. 1, 1946. Group 36—41.

Pat. 2,436,654. Dynamoelectric Machine. Feb. 24, 1948. Group 36—19.

Pat. 2,492,762. Electric Switch. Dec. 27, 1949. Group 36—19.

Pat. 2,563,524. Production of Polymers and Copolymers of Acenaphthylene. Aug. 7, 1951. Group 28—83.

Pat. 2,565,303. Magnetic Core Joint Construction for Noise Reduction. Aug. 21, 1951. Group 36—19.

Pat. 2,568,470. Progressive Arc Quencher. Sept. 18, 1951. Group 36—19.

The following 15 patents relate to: Electrical pulsation apparatus for imparting reciprocating or oscillating motion to a movable element; a pivot for air compass indicators; a lubricant of high film strength; a device for detecting the presence of iron or other magnetic particles in paper, or other non-magnetic materials; a device for detecting hidden nails or other metal objects in lumber; an absorption type wavemeter; an attenuator for ultra high frequency wavemeters; a vacuum tube counter circuit for time interval measurement, or for impulse or cycle counting; methods and apparatus for electrothermic reactions for the generation of hydrocarbon gases, such as acetylene; a microwave low level power-measuring apparatus; a high frequency surface testing instrument for determining the surface resistance of conducting materials, or for determining the thickness of non-conducting coatings on conducting materials; a calibrator for field intensity recorders; a vane controlled oscillator for meters; a thickness gauge of the type in which two X-ray beams are directed through a standard of known thickness and through a sample to be measured.

Pat. 2,040,677. Pulsation Apparatus. May 12, 1936. Group 36—19. Reg. No. 47,816.

Pat. 2,081,820. Pivots for Indicating Instruments. May 25, 1937. Group 39—11. Reg. No. 47,817.

Pat. 2,134,554. Lubricants. Oct. 25, 1938. Group 29—11. Reg. No. 47,818.

Pat. 2,207,592. Detecting Magnetic Particles in Non-Magnetic Materials. July 9, 1940. Group 36—13. Reg. No. 47,819.

Pat. 2,276,743. Wavemeter. Mar. 17, 1942. Group 36—13. Reg. No. 47,820.

Pat. 2,337,352. Metal Detectors. Dec. 21, 1943. Group 36—13. Reg. No. 47,821.

Pat. 2,340,810. Counter Circuits. May 30, 1944. Group 36—13. Reg. No. 47,822.

Pat. 2,353,770. Methods of Carrying Out Electrothermic Reactions. July 18, 1944. Group 28—86. Reg. No. 47,823.

Pat. 2,399,951. Apparatus for Electrothermic Reactions. May 7, 1946. Groups 28—86; 35—59. Reg. No. 47,824.

Pat. 2,411,553. Radio-Frequency Power Measurement. Nov. 26, 1946. Group 36—13. Reg. No. 47,825.

Pat. 2,423,461. Attenuators for Ultra High Frequencies. July 8, 1947. Group 36—13. Reg. No. 47,826.

Pat. 2,489,092. High-Frequency Surface Testing Instruments. Nov. 22, 1949. Group 36—13. Reg. No. 47,827.

Pat. 2,489,908. Calibrators for Field Intensity Recorders. Nov. 29, 1949. Group 36—13. Reg. No. 47,828.

Pat. 2,505,577. Vane Controlled Oscillators. Apr. 25, 1950. Group 36—19. Reg. No. 47,829.

Pat. 2,539,203. Noncontacting Thickness Gauge. Jan. 23, 1951. Group 36—13. Reg. No. 47,830.

The following 5 patents relate to: A metal brazing process; an arcuate spanner wrench; a tie member for the windings of dynamo-electric machines; a synthetic resin for use in molding, laminating, coating, and adhesive applications; and a leak-proof radioactive source having a physical barrier of sufficient strength to safely contain the radioactive material yet thin enough to permit the passage of useful radiation.

Pat. 2,369,537. Method for Brazing. Feb. 13, 1945. Group 34—39. Reg. No. 47,831.

Pat. 2,547,424. Ratchet Spanner Wrench. Nov. 6, 1951. Group 33—52. Reg. No. 47,832.

Pat. 2,575,115. Tie Member for the Coil Windings of Dynamoelectric Machines. Nov. 13, 1951. Group 36—19—41. Reg. No. 47,833.

Pat. 2,575,125. Butadiene and 1,1,2-Trichloro-3,3,3-Trifluoropropene-1. Nov. 13, 1951. Group 28—83. Reg. No. 47,834.

Pat. 2,575,134. Radioactive Source. Nov. 13, 1951. Group 36—92. Reg. No. 47,835.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 3, 1952

[VOL. 659. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 488,673. Herman H. Sticht Company, Inc., New York, N. Y. Filed Sept. 18, 1945.

STANDCO MEGOHMER

For Instruments for Measuring Electrical Resistances. Claims use since 1928.

Ser. No. 515,882. The Kalart Company Inc., Stamford, Conn. Filed Jan. 17, 1947.

COMRAK PASSIVE SPEEDFLASH

The words "Speed Flash" are disclaimed.

For Photographic Attachments and Photographic Accessories—Namely, Photoflash Equipment for Sale as a Unit Including Batteries for Photographic Purposes, a Casing for Said Batteries, a Deflector Supported on Said Casing, a Bracket for Mounting the Casing, a Synchronizer for Photographic Purposes, and a Test Lamp.

Claims use since January 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,012. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.

CADET

For Loose Writing Paper for School or Office Use, Put up in Wrapped Packages, Boxes, or Banded.

Claims use since 1896.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 526,218. Colcombet Francois & Cie S. A. R. L., St. Etienne, France. Filed July 4, 1947.

C.F.C.

Applicant claims ownership of French Registration No. 5,836, dated Aug. 22, 1933.

For Textile Fabrics in the Piece Made of Silk, Rayon, and Mixtures Thereof, and Wool and Cotton and Mixtures Thereof, and Velvet Fabrics and Ribbons Sold by the Yard Made of Silk, Wool, and Cotton.

Claims use since Oct. 4, 1894.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 610,655. American Air Filter Company, Inc., Louisville, Ky. Filed Mar. 1, 1951.

AIRMAT

Applicant claims ownership of Registrations Nos. 524,158, 532,728, and 553,031.

For Rolls of Fiber Glass, Synthetic Fibers and Cotton Wadding Used for Mechanical Dry-Type Ventilating Air Filters of the Portable Cell, Foldable Frame, and Stationary Pocket Types.

Claims use since January 1928.

Ser. No. 618,304. Roselawn Poultry Farm, Madison Township, Montgomery County, Ohio. Filed Aug. 31, 1951.

BROADCROSS WHITES

The word "Whites" is disclaimed.

For Live Poultry and Hatching Eggs.

Claims use since May 1951.

CLASS 2

RECEPTACLES

Ser. No. 592,692. Automatic Canteen Company of America, Chicago, Ill. Filed Feb. 18, 1950.



The phrase "At Your Service" is disclaimed.
For Paper Cups.
Claims use since Sept. 7, 1949.

Ser. No. 612,658. The Lathrop-Paulson Company, Chicago, Ill. Filed Apr. 14, 1951.

L.-P.

For Weigh Cans, Dump Cans, and Receiving Tanks.
Claims use since Sept. 23, 1920.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 568,813. United Laboratories Co., Linden, N. J. Filed Nov. 15, 1948. (Sec. 2f.)

NU-GLO

For Commercial Buffing and Polishing Compound for Nickel, Bronze, Copper, Silver, and Nickel Silver.
Claims use since June 15, 1935.

Ser. No. 594,455. The Glint Company, Sigourney, Iowa. Filed Mar. 23, 1950.



For Powder for Cleaning and Polishing Metal, Plated, Glazed, and Other Hard Polished Surfaces.
Claims use since Feb. 15, 1950.

CLASS 5

ADHESIVES

Ser. No. 596,810. The Seamless Rubber Company, New Haven, Conn. Filed May 3, 1950.

Safe-T-clad

The word "Safe-T" is disclaimed.
For Rubber Composition Adhesive Masking Tape for Sandblast Lettering, Carving, and Other Uses.
Claims use since Feb. 21, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 580,945. Phillips Petroleum Company, Bartlesville, Okla. Filed June 23, 1949.

DIOX

For Organic Hydroperoxides.
Claims use since May 31, 1949.

Ser. No. 581,713. Eaton Chemical and Dyestuff Company, Detroit, Mich. Filed July 9, 1949. (Sec. 2f.)

NUSUEDE

For Liquid Product for Redyeing and Refinishing of Suede and Nap Finished Leathers and for Restoring the Original Color to the Same.
Claims use since 1933.

Ser. No. 606,752. Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland. Filed Nov. 22, 1950.

Complexone

Applicant claims ownership of Swiss Registration No. 111,470, dated Aug. 25, 1945.
For Chemicals for Industrial, Technical, and Agricultural Purposes and Chemicals for Qualitative and Quantitative Analysis and for Other Scientific Purposes—Namely, Organic Chelating Agents, Analytical Reagent Chemicals, Colorimetric Indicators, and Titrating Solutions.

Ser. No. 606,753. Chemische Fabrik Uetikon (Uetikon Chemical Company), Uetikon, Switzerland. Filed Nov. 22, 1950.

Komplexon

Applicant claims ownership of Swiss Registration No. 112,370, dated Nov. 3, 1945.
For Chemicals for Industrial, Technical, and Agricultural Purposes and Chemicals for Qualitative and Quantitative Analysis and for Other Scientific Purposes—Namely, Organic Chelating Agents, Analytical Reagent Chemicals, Colorimetric Indicators, and Titrating Solutions.

Ser. No. 609,996. Arkansas Company Inc., Newark, N. J. Filed Feb. 13, 1951. (Sec. 2f.)

ARKANSAS

For Chemicals for Use in the Textile, Leather, and Paper Industries—Namely, Sulfonated Oils, Wetting-Agents, Penetrants, Fumeproofing Compounds, Mothproofing Compounds, Mildew-Proofing Compounds, Water Repellents, Mordants, Leather Finishing Compounds, Organic Acids, Stripping Compounds, Dyebath Assistants, Developing Acids, Scroop Oils, Hosiery Finishes, Delustering Compounds, Decolorizing and Discharge Printing Compounds, Finishing Oils, Leveling Agents, Tanning Agents, Enzyme Preparations, Resin Emulsions; Lubricants for Knitting, Weaving and Other Textile Operations; Cationic Nitrogen Compounds, Chrome Compounds, Turkey Red Oil, Kier Oils, Wax Finishes, Starch, Bating Compounds, Dye Fixing Compounds, and Slip-Proofing Compounds.
Claims use since 1905.

Ser. No. 611,673. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 22, 1951.



The words "Disinfecting Company" are disclaimed. Applicant claims ownership of Registration No. 257,156.
For Disinfectants; Deodorants; Sink, Kitchen and Bathroom Antiseptics; Insecticides; Chemical Preparations for Air Purifying Purposes.
Claims use since Dec. 1, 1950.

Ser. No. 612,055. Nova Chemical Corporation, New York, N. Y. Filed Mar. 9, 1951. (Sec. 2f.)

NOVADYE

Applicant claims ownership of Registrations Nos. 431,133, 305,701, and others.
For Dye-Stuffs and Pigment Colors for Use in Coloring Textiles, Leathers, and Papers.
Claims use since Jan. 9, 1946.

Ser. No. 613,957. W. M. Barr & Company, Memphis, Tenn. Filed May 4, 1951.

Coppo



The drawing is lined for the colors brown and green.
For Liquid Copper Naphthenate Base Preservative for Wood, Canvas, Rope, and Other Fibrous Material.
Claims use since Jan. 21, 1947.

Ser. No. 615,287. Prairie States Oil & Grease Company, Danville, Ill. Filed June 16, 1951.

ARTIC FLO-

For Anti-Freeze Coolant for Internal Combustion Engines.
Claims use since May 1950.

Ser. No. 617,463. Union Carbide and Carbon Corporation, New York, N. Y. Filed Aug. 8, 1951.

CRAG

Applicant claims ownership of Registrations Nos. 500,684 and 542,414.
For Herbicides.
Claims use since Apr. 6, 1951.

Ser. No. 617,660. George H. Flowers, Jr., doing business as Dominion Chemical Company, Richmond, Va. Filed Aug. 14, 1951.

NEATSHU

For Petroleum Base Composition Used for Water-Proofing Leather Goods, Particularly Boots and Shoes.
Claims use since July 1938.

Ser. No. 619,599. Buckman Laboratories, Inc., Memphis, Tenn. Filed Oct. 5, 1951.

BUSAN

For Chemical Compositions for the Control of Microorganisms.
Claims use since June 1, 1950.

Ser. No. 620,225. National Gypsum Company, Buffalo, N. Y. Filed Oct. 19, 1951. (Sec. 2f.)

YORK WHITING

The word "Whiting" is disclaimed. Applicant claims ownership of Registration No. 285,624.
For Whiting.
Claims use since Apr. 15, 1926.

Ser. No. 620,534. Velsicol Corporation, Chicago, Ill. Filed Oct. 26, 1951.

VELSICOL

Applicant claims ownership of Registrations Nos. 425,674, 425,676, and 435,038.
For Insecticides and Fungicides Generally, and Specifically for Those Generically Known as Chlordane, Heptachlor, Dieldrin, and Aldrin, and Compositions Containing Chlordane, Heptachlor, Dieldrin, or Aldrin.
Claims use since September 1940.

Ser. No. 625,334. The Capital City Products Company, Columbus, Ohio. Filed Feb. 21, 1952.

CAPITAL

For Vegetable Fatty Acids.
Claims use since Dec. 20, 1951.

Ser. No. 625,688. Onyx Oil & Chemical Company, Jersey City, N. J. Filed Feb. 28, 1952.

DULLATONE

For Chemical Composition Used for Imparting a Finish to Textile Fibers and Fabrics.
Claims use since June 1929.

Ser. No. 625,689. Onyx Oil & Chemical Company, Jersey City, N. J. Filed Feb. 28, 1952.

VELVOSHEEN

For Chemical Composition Used for Imparting a Finish to Textile Fibers and Fabrics.
Claims use since December 1929.

CLASS 7

CORDAGE

Ser. No. 616,183. Nichols Wire & Aluminum Co., Davenport, Iowa. Filed July 6, 1951.



For Clothesline Wire.
Claims use since December 1935.

CLASS 10

FERTILIZERS

Ser. No. 610,578. Northrup, King & Co., Minneapolis, Minn. Filed Feb. 27, 1951.

Golf

Applicant claims ownership of Registrations Nos. 235,374, 504,918, and others.
For Lawn Fertilizer Containing Organic and Inorganic Nitrogen.
Claims use since Feb. 1, 1951.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 599,176. Imperial Black Knight Corp., New York, N. Y. Filed June 15, 1950.



For Typewriter, Adding Machine and Other Ribbon Printing Business Machine Ribbons, and Carbon Paper, for All Purposes.
Claims use since 1929.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 556,593. National Steel Corporation, Wilmington, Del., and Pittsburgh, Pa. Filed May 8, 1948.

MASTER-KRIMP

The applicant is using the mark in the areas comprising Alabama, Arizona, Arkansas, California, Colorado, Georgia, Louisiana, Mississippi, New Mexico, Oklahoma, and Texas. The suffix "Krimp" is disclaimed.
For Ribbed Sheet Metal Roofing and Siding Sheets.
Claims use since Mar. 25, 1940.

Ser. No. 559,411. Whiteselle Brick & Lumber Company, Corsicana, Tex. Filed Feb. 21, 1948. (Sec. 2f.)

WHITESELLE
CHERRY REDS

Applicant claims ownership of Registration No. 187,341.
For Red Building Brick.
Claims use since 1915.

Ser. No. 564,883. Charles J. Landen, doing business as Landen Putty Works, Malden, Mass., assignor to Landen Putty Works, Inc., Malden, Mass., a corporation of Massachusetts. Filed Sept. 9, 1948.



The mark comprises a smaller oval intersecting a larger oval, the initials "L P W," written in distinctive monogram fashion, being disposed within said smaller oval.
For Caulking Compound, Glazing Compound, Bowl Setting Compound, and Putty.
Claims use since Apr. 15, 1944.

Ser. No. 581,540. Vulcan Metal Products Company, Birmingham, Ala. Filed July 5, 1949.

VULCO

For Metal Screen Doors and Window Screens, and Metal Storm Sash for Buildings.
Claims use since October 1947.

Ser. No. 602,742. Bird & Son, Inc., East Walpole, Mass. Filed Aug. 25, 1950.

DUOTILE

For Hard-Surface Composition Tile Floor Covering.
Claims use since June 30, 1950.

Ser. No. 604,525. Eastern Clay Products, Inc., Jackson, Ohio, assignor to International Minerals & Chemical Corporation, Chicago, Ill. Filed Oct. 6, 1950.

CUPOLINE

For Patching and Ramming Refractories.
Claims use since Oct. 27, 1949.

Ser. No. 605,376. Spheric Structures, Inc., Washington, D. C. Filed Oct. 24, 1950.



The representation of the goods is disclaimed.
For Prefabricated Readily Erectable Buildings, Knockdown Buildings, Portable Buildings, and Unit Sections and Partitions Therefor.
Claims use since Oct. 5, 1950.

Ser. No. 606,289. Garrick and Custer, Inc., Los Angeles, Calif. Filed Nov. 13, 1950.



For Rotary Gear, Sliding Recessed Door Unit, Complete With Frame.
Claims use since June 27, 1950.

Ser. No. 606,682. Rolscreen Company, Pella, Iowa. Filed Nov. 20, 1950. (Sec. 2f.)



For Windows, and Window Screens.
Claims use since June 1, 1934.

Ser. No. 607,145. Sears, Roebuck and Co., Chicago, Ill. Filed Nov. 30, 1950.



For Metal Awnings.
Claims use since Jan. 6, 1950.

Ser. No. 607,837. Worldsbest Industries, Inc., Cudahy, Wis. Filed Dec. 18, 1950.

GATEMASTER

For Baby Safety Gates.
Claims use since Nov. 29, 1950.

Ser. No. 611,351. General Refractories Company, Philadelphia, Pa. Filed Mar. 15, 1951.

B F

For Refractory Brick.
Claims use since Mar. 1, 1950.

Ser. No. 611,352. General Refractories Company, Philadelphia, Pa. Filed Mar. 15, 1951.

BASICRETE

For Hydraulic-Setting, Chrome-Base, Castable Cement.
Claims use since Mar. 29, 1949.

Ser. No. 616,094. A. P. Green Fire Brick Company, Mexico, Mo. Filed July 5, 1951. (Sec. 2f.)

KAST-SET

Applicant claims ownership of Registration No. 308,218.
For Refractory Concrete Mixture.
Claims use since July 11, 1932.

Ser. No. 617,205. New England Coating Works, Inc., Stamford, Conn. Filed Aug. 1, 1951.

SANDEZE

For Putty.
Claims use since May 10, 1951.

Ser. No. 619,955. Texas Fabricating Co., Houston, Tex. Filed Oct. 12, 1951.

TEFCO

For Aluminum Awnings.
Claims use since Oct. 1, 1950.

Ser. No. 620,765. Youngstown Industries, Inc., Girard, Ohio. Filed Oct. 31, 1951.

SHIELDALL

For Permanent Aluminum Awnings.
Claims use since May 10, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 580,051. The Cuyahoga Spring Company, Cleveland, Ohio. Filed June 7, 1949.



The mark consists of a shield with "C S C" arranged thereon, with one "C" reversed, and the upper portion of which merges with the representation of a coil spring, and the ends of the spring terminating in laterally extending wings.

For Wire Coil Springs, Metal Wire Fasteners, and Snap Clips.
Claims use since 1929.

Ser. No. 615,141. Standard Pressed Steel Co., Jenkintown, Pa. Filed June 13, 1951.

—SPS—

For Aircraft Products—Namely, Internal Wrenching Bolts and Flush Head Socket Bolts.
Claims use since Apr. 9, 1951.

Ser. No. 617,438. The Everedy Company, Frederick, Md. Filed Aug. 8, 1951.

Everedy Ovenola

The word "Everedy" is disclaimed. The drawing is lined to represent red. Applicant claims ownership of Registrations Nos. 234,983, 269,765, and 527,958.

For Metal Hollow Ware Ovens for Use on the Top of Stoves for Heating, Baking, and Cooking Purposes—Namely, Dutch Ovens.
Claims use since Aug. 1, 1951.

Ser. No. 618,858. Markt & Hammacher Company, New York, N. Y. Filed Sept. 15, 1951.

Trianon

For Cast Iron Porcelain Enameled Cooking Utensils—Namely, Saucepans, Casseroles, Baking Dishes, Frying Pans, Egg Dishes, Au Gratin Dishes, Stewpots, and Compartment Dishes.
Claims use since June 25, 1951.

Ser. No. 622,528. The Ebco Manufacturing Company, Columbus, Ohio. Filed Dec. 15, 1951.

OASIS

Applicant claims ownership of Registrations Nos. 416,771, 507,618, and 531,049.

For Drinking Fountain Accessories—Namely, Drinking Fountain and Water Cooler Shut-Off Valves and Bubbler Valves, Pressure Regulator Valves, Drainage Traps and Strainers, Drain Line Connectors and Elbows, Drinking Glass Filler Pipes and Nozzles, Faucets, and Wall-Mounted Fountain Sinks.
Claims use since June 14, 1946.

Ser. No. 622,789. Ronald A. Merritt, doing business as Meritenna Manufacturing Company, Seattle, Wash. Filed Dec. 24, 1951.

MERITENNA

For Mast Clamps for Attachment of Guy Wires.
Claims use since Feb. 12, 1951.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 613,886. Specialloy, Inc., Chicago, Ill. Filed May 15, 1951.

specialloy

For Alloy Addition Agents for Preparing Ferrous and Non-Ferrous Metal Compositions.
Claims use since February 1950.

CLASS 15

OILS AND GREASES

Ser. No. 605,227. T. R. Parry & Company Limited, London, England. Filed Oct. 20, 1950.

TYREPRIM

Applicant claims ownership of British Registration No. 607,436.

For Oils and Greases and Lubricants, All for Preventing Adhesion of Rubber and Similar Materials to Metal.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 535,902. The Thresher Paint & Varnish Company, Dayton, Ohio. Filed Sept. 26, 1947. (Sec. 2f.)

THRESHER

PER-FEX-OR ENAMEL

The word "Enamel" is disclaimed. Applicant claims ownership of Registration No. 162,458.

For Liquid Paints, Liquid Paint Enamels, Liquid Undercoats in Paint Form, and Liquid Varnish Stains.
Claims use since February 1935.

Ser. No. 549,708. Mary E. Carey, doing business as M & H Luminous Paint Products Co., Detroit, Mich. Filed Feb. 14, 1948.

LUR-LITE

The word "Lite" is disclaimed.
For Luminous Paint.
Claims use since Jan. 15, 1948.

Ser. No. 551,222. Bruning Brothers, Inc., Baltimore, Md., successor to Bruning Brothers, a partnership. Filed Mar. 5, 1948. (Sec. 2f.)

BRUNING

For Ready-Mixed Paints for Interior and Exterior Use, Paint Pigments in Paste Form, Varnishes, Interior Wall Enamels, Floor and Deck Enamels, Paint Colors in Oil, Wood Stains, Wood Fillers in Paste Form, and Pigmented Wall Primer and Sealer in Liquid Form for Plaster, Cement, and Composition Surfaces.
Claims use since June 1930.

Ser. No. 552,301. The Wilbur & Williams Company, Boston, Mass. Filed Mar. 18, 1948. (Sec. 2f.)

DAMPCOAT

For Floor and Wall Enamel.
Claims use since January 1940.

Ser. No. 591,041. The Lowe Brothers Company, Dayton, Ohio. Filed Jan. 18, 1950.

981

For Paint (Ready-Mixed, Paste, and Dry); Paint Enamel; Primers, Sealers and Undercoaters in the Nature of Paints, Paint Enamels, and Varnishes.
Claims use since Oct. 3, 1949.

Ser. No. 592,200. Fox Supply Company, Chicago, Ill. Filed Feb. 9, 1950.



The drawing is lined for the colors red, yellow, and black.
For Tempera Water Colors.
Claims use since Oct. 1, 1929.

Ser. No. 604,223. The Pure Oil Company, Chicago, Ill. Filed Sept. 29, 1950.

Pure-sure

Applicant claims ownership of Registration No. 349,765.
For Tire Paint.
Claims use since November 1944.

Ser. No. 607,836. The Geo. L. Williams Company, Cleveland, Ohio. Filed Dec. 18, 1950.

VYANITE

For Floor Dressings for Vinylite and Plastic Type Surfaces.
Claims use since Jan. 20, 1950.

Ser. No. 608,830. Pan-American Wall Paper & Paint Co., Chicago, Ill. Filed Jan. 16, 1951. (Sec. 2f.)

PAN AMERICAN

Applicant claims ownership of Registrations Nos. 302,997 and 509,536.

For Paints in Dry, Paste, and Mixed Form, and for Varnishes.
Claims use since Dec. 28, 1944.

Ser. No. 615,921. William Zinsser & Co. Incorporated, New York, N. Y. Filed June 29, 1951.

BULLS-I-BLACK

The word "Black" is disclaimed. Applicant claims ownership of Registrations Nos. 112,603, 161,675, 163,702, and 239,060.

For All Purpose Quick Drying Black Lacquer for Use on Baseboards, Wood, Plaster or Metal, Trim, Wallboard, Hardware, Interior Iron Work, and Glass.
Claims use since Apr. 6, 1947.

Ser. No. 618,799. International Paint Company, Inc., New York, N. Y. Filed Sept. 14, 1951.

SCAL-EX

For Ready-Mixed Paints.
Claims use since July 16, 1951.

Ser. No. 620,414. Gilman Paint and Varnish Company, Chattanooga, Tenn. Filed Oct. 24, 1951.

GILMANITE

Applicant claims ownership of Registrations Nos. 524,606 and 530,089.
For Enamel.
Claims use since 1925.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 566,353. Maltbie Laboratories, Inc., Newark, N. J., by change of name from The Maltbie Chemical Company. Filed Oct. 2, 1948.

LUBISMIN

For Preparation for the Control of Diarrhea.
Claims use since June 16, 1947.

Ser. No. 569,418. Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Filed Nov. 26, 1948.

ALUPEC

For Antacid Preparations.
Claims use since Oct. 16, 1946.

Ser. No. 572,328. Rhodes Pharmacal Co., Inc., Cleveland, Ohio. Filed Jan. 17, 1949.

Nu-LOOK

For Preparation Containing Thiamin Chloride, Riboflavin, Ascorbic Acid, Irradiated Ergosterol, Calcium, Phosphorus, Iron, Iodine, and Niacinamide, for Use as a Dietary Supplement Containing Vitamins and Minerals.
Claims use since Feb. 2, 1948.

Ser. No. 577,456. Rougier Freres, Montreal, Quebec, Canada. Filed Apr. 20, 1949.

NITRINOSE

Applicant claims ownership of Canadian Application No. N. S. 28,366, Reg. 110, dated Feb. 19, 1948.
For Vaso-Dilator for the Treatment of Blood Hypertension.

Ser. No. 578,159. Nativelle Inc., New York, N. Y. Filed May 3, 1949. (Sec. 2f.)

OUABAÏNE ARNAUD

The word "Ouabaine" is disclaimed. The word "Ouabaine" is not the name of an individual. The name "Arnaud" is the name of an individual, now deceased.
For Extract of Strophanthin G Used in the Treatment of Congestive Heart Failure.
Claims use since 1913.

Ser. No. 581,861. Casimir Funk Laboratories, Inc., New York, N. Y. Filed July 13, 1949.

duo-sulfanyl

Applicant claims ownership of Registrations Nos. 527,871, 527,872, and 528,453.
For Pharmaceutical Preparation for Use in the Treatment of Infectious Diseases Responding to Sulfamerazine and Sulfadiazine.
Claims use since Mar. 16, 1949.

Ser. No. 582,275. Cilag Aktiengesellschaft, Schaffhausen, Switzerland. Filed July 21, 1949.

METHURAL

Applicant claims ownership of Swiss Registration No. 117,908, dated Oct. 18, 1946.
For Bactericidal Disinfectant for the Mouth and Throat.

Ser. No. 591,113. Nick Skrmetta, Biloxi, Miss. Filed Jan. 19, 1950.



CANNICK

For Liquid Chemical Preparation for the Treatment of Sores, Warts, and Pimples.
Claims use since Aug. 2, 1949.

Ser. No. 592,357. Borun Bros., also doing business as Borbro Laboratories, Los Angeles, Calif. Filed Feb. 13, 1950.

BORBRO

For Almond Oil, Arnica, Benzoin, Boric Acid, Calamine Lotion, Spirits of Camphor, Camphorated Oil, Carron Oil, Cascara, Castor Oil, Chloroform Liniment, Citrate of Magnesia, Citronella Oil, Oil of Cloves, Collodion, Oil of Eucalyptus, Glycerine, Tincture of Soap, Iodine, Lime Water, Mercurochrome, Tincture of Myrrh, Spirit of Nitre, Peppermint Essence, Hydrogen Peroxide, Rhubarb and Soda Mix, Rose Water, Spirits of Turpentine, Wintergreen Oil, Witch Hazel, Alum, Bismuth Subnitrate, Borax, Buchu Leaves, Chalk, Chamomile Flowers, Citric Acid, Cream of Tartar, Epsom Salts, Fuller's Earth, Henna, Licorice Compound, Menthol, Rochelle Salts, Saltpeter, Sassafras, Senna Leaves, Bicarbonate of Soda, Sodium Perborate, Sulphur, Zinc Oxide, Glycerine Suppositories, Aspirin, Laxative Tablets, Ephedrine Compounds, Mineral Oil, Milk of Magnesia, Saccharin, Soda Mint Tablets, Psyllium Seed, Cold Tablets, Sweet Oil, Dobell's Solution, and Pepsin.
Claims use since Dec. 31, 1928.

Ser. No. 594,429. American Cyanamid Company, New York, N. Y. Filed Mar. 23, 1950.

SPERSOIDS

Applicant claims ownership of Registrations Nos. 411,088 and 556,170.
For Anti-bacterial and Anti-Viral Preparations.
Claims use since Mar. 3, 1950.

Ser. No. 596,112. William P. Mooney, doing business as Mooney's Pharmacy and Mooney's Laboratory, Milwaukee, Wis. Filed Apr. 21, 1905. (Sec. 2f as to "Mooney's.")



In the drawing the lining on the rim of the background and some of the letters indicate red, while the lining on the background discloses a plurality of longitudinal point lines. The word "Capsules" is disclaimed. Applicant claims ownership of Registration No. 268,777.
For Capsules for Rheumatism, Neuritis, and Lumbago.
Claims use since Oct. 15, 1929.

Ser. No. 596,929. Eli Lilly and Company, Indianapolis, Ind. Filed May 5, 1950.

THIANTOIN

For Medicinal Preparation of Phethenylate Sodium Used as an Antiepileptic Drug With Anticonvulsant Activity.
Claims use since Jan. 26, 1950.

Ser. No. 599,735. Abbott Laboratories, North Chicago, Ill. Filed June 26, 1950.

OPTILETS

Applicant claims ownership of Registration No. 395,164.
For Oral Preparation in Tablet Form Indicated in Vitamin Deficiency.
Claims use since June 13, 1950.

Ser. No. 601,971. All Drugs International Company, New York, N. Y. Filed Aug. 9, 1950.

ADICO

For Medicinal Preparations—Namely, Sulfathiazole, Sulfadiazine, Sulfanalamide, Sulfanalidine, Sulfapyridine, Sulfasuxidine, and Allied Sulfa Drugs; Paramino Salicylic Acid, Vitamin B_{12}, and Penicillin Troches or Lozenges.
Claims use since May 31, 1950.

Ser. No. 602,007. The Upjohn Company, Kalamazoo, Mich. Filed Aug. 9, 1950.

Desiguent

Applicant claims ownership of Registration No. 514,895.
For Washable Base Antibiotic Ointment.
Claims use since May 22, 1950.

Ser. No. 602,339. Melville Sahyun, doing business as Sahyun Laboratories, Santa Barbara, Calif. Filed Aug. 17, 1950.

FYLON

For Preparation Used in the Treatment of Anemia in the Promotion of Growth in Children and as a Nutritional Factor.
Claims use since May 1, 1950.

Ser. No. 602,585. The Upjohn Company, Kalamazoo, Mich. Filed Aug. 22, 1950.

Corto - Sterolds

The term "Sterolds" is disclaimed.
For Medicinal Preparation for the Treatment of Endocrine and Metabolic Diseases.
Claims use since Mar. 27, 1950.

Ser. No. 603,077. Pan Pharmacals, Inc., New York, N. Y. Filed Sept. 1, 1950.

CALSUXYLATE

For Pharmaceutical Preparation for the Treatment of Ailments of the Rheumatoid Type Including Rheumatism, Arthritis, Rheumatic Fever, Certain Forms of Sciatica and Neuritis, Bursitis, Fibrositis, Myositis and Lumbago, and Other Rheumatoid Conditions, and also Effective as an Analgesic.
Claims use since Mar. 30, 1950.

Ser. No. 603,537. Michael Pharmaceutical Distributing Co., Inc., Chicago, Ill. Filed Sept. 14, 1950.

SYCOL

For Dietary Supplement.
Claims use since June 24, 1950.

Ser. No. 603,554. E. R. Squibb & Sons, New York, N. Y. Filed Sept. 14, 1950.

ANATENSOL

For Antihypertensive Agents.
Claims use since Mar. 31, 1950.

Ser. No. 604,771. Cubbage & Co., Shreveport, La. Filed Oct. 12, 1950.

X-Cel

For Antiseptic Preparation for Skin and Scalp.
Claims use since Aug. 5, 1950.

Ser. No. 605,302. Charles E. Frosst & Co., Montreal, Quebec, Canada. Filed Oct. 23, 1950.

"TABLETS NUMBER 217"

The word "Tablets" is disclaimed. Applicant claims ownership of Canadian Registration No. 180, Folio 39,939, dated June 2, 1926.
For Pharmaceutical Preparation Consisting of a Combination Containing Acetylsalicylic Acid in Tablet Form.

Ser. No. 606,253. Armour and Company, Chicago, Ill. Filed Nov. 13, 1950.

ACTHAR

For Adrenocorticotrophic Composition.
Claims use since Oct. 23, 1950.

Ser. No. 606,487. Rehels Company, Inc., Berkeley Heights, N. J. Filed Nov. 16, 1950.

CHLORHYDROL

Applicant claims ownership of Registration No. 543,669.
For Aluminum Chloride for Use in Medicinal Astringents.
Claims use since Feb. 17, 1947.

Ser. No. 606,538. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

AQUAPROPEN

For Pharmaceutical Preparation—Namely, a Procaine Penicillin and Buffered Penicillin Combination for Aqueous Injection.
Claims use since July 11, 1949.

Ser. No. 606,540. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

CALGLANS

For Veterinary Preparation Suggested for the Treatment of Nervous Symptoms of Canine Distemper Due to Disturbed Calcium Metabolism as Manifested in Tetany, Chorea, Muscular Spasm, and Other Symptoms of Irritability.
Claims use since Nov. 20, 1939.

Ser. No. 606,543. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

DARIPEN

For Veterinary Preparation for the Treatment of Acute or Chronic Mastitis.
Claims use since Aug. 15, 1949.

Ser. No. 606,546. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

GLYVITA

For Pharmaceutical Preparation Which Combines the Tonic, Stimulant Properties of the Glycerophosphate Salts With Several of the B-Complex Vitamins for Treating Certain Malnutrition or Subnutritional States.
Claims use since Mar. 3, 1943.

Ser. No. 606,548. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

IONCOP

For Veterinary Preparation Which Serves as a Bitter Chalybeate Tonic and Hematinic for the Treatment of Nutritional and Secondary Anemias in Animals.
Claims use since Sept. 19, 1933.

Ser. No. 606,553. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

SEMPERL

For Pharmaceutical Panvitamin Preparation Indicated for the Treatment of Multiple Vitamin Deficiencies and Macrocytic Anemias.
Claims use since June 16, 1948.

Ser. No. 606,556. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

TRISEM

For Pharmaceutical Preparation Combining Three Sulfonamides, and Indicated for Treatment in Conditions Requiring Oral Sulfonamide Therapy.
Claims use since Oct. 31, 1949.

Ser. No. 606,557. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

ZOLIDE

For Pharmaceutical Preparation for Treating Pyogenic Infections, Burns, Abrasions, Leg Ulcers, and Slow-Healing Wounds.
Claims use since Feb. 21, 1945.

Ser. No. 606,861. Charles E. Frosst & Co., Montreal, Quebec, Canada. Filed Nov. 24, 1950.

'ORCHISTERONE'

Applicant claims ownership of Canadian Registration No. N. S. 15,660, dated May 6, 1941.
For Pharmaceutical Preparations Containing the Male Sex Hormone, Testosterone.

Ser. No. 607,336. Lloyd Brothers, Pharmacists, Inc., Cincinnati, Ohio. Filed Dec. 6, 1950.

KHELLOYD

Applicant claims ownership of Registration No. 319,302.
For Preparation for Use in Cardiotherapy.
Claims use since Nov. 23, 1950.

Ser. No. 607,407. Abbott Laboratories, North Chicago, Ill. Filed Dec. 8, 1950.

HYAZYME

For Enzyme Preparation Which Accelerates the Diffusion and Absorption of Subcutaneously Injected Fluids and Drugs.
Claims use since Nov. 28, 1950.

Ser. No. 607,469. Alcon Laboratories, Inc., Fort Worth, Tex. Filed Dec. 9, 1950.

ISOPTO

For Isotonic Ophthalmic Preparation Having a Tonicity and pH Values Closely Approximating Those of the Lacrimal Fluids.
Claims use since Dec. 5, 1950.

Ser. No. 607,607. Schering Corporation, Bloomfield, N. J. Filed Dec. 12, 1950.

TESTOVIRON

For Crystalline Testosterone Hormone Preparation.
Claims use since Feb. 26, 1940.

Ser. No. 607,670. Gynecic Laboratories, New York, N. Y. Filed Dec. 14, 1950.

COLPOPHYLL

For Medicinal Preparation Containing Chlorophyll Used in Female Hygiene and for Treatment of Leucorrhea and Other Vaginal Disorders.
Claims use since Oct. 24, 1950.

Ser. No. 607,796. Commercial Solvents Corporation, New York, N. Y. Filed Dec. 18, 1950.

PROFERM

For Vitamin B_{12} Supplement for Addition to the Feed of Poultry and Livestock.
Claims use since Nov. 9, 1950.

Ser. No. 607,937. Ciba Limited, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Filed Dec. 21, 1950.

ENTERO-VIOFORMO

The word "Entero" is disclaimed. Applicant claims ownership of Swiss Registration No. 114,843, dated Feb. 27, 1946, and United States Registration No. 408,828.
For Antiseptic for the Treatment of Intestinal Infections.

Ser. No. 608,047. Sigma Chemical Co., St. Louis, Mo. Filed Dec. 23, 1950.

ADENOPHOS

For Pharmaceutical Preparation for the Treatment of Dermatological Conditions Such as Pruritus and Varicose Ulcers.
Claims use since Nov. 6, 1950.

Ser. No. 608,076. Pierce's Proprietaries, Inc., Buffalo, N. Y. Filed Dec. 26, 1950.

FEMIDRIN

For Analgesic and Anti-Spasmodic for Relief of Periodic Pains Common to Women and for Relief of Pain and Discomfort of Simple Headaches, Neuralgias, Neuritis, Head Colds, and Muscular Aches and Pains.
Claims use since Dec. 11, 1950.

Ser. No. 608,140. Ames Company, Inc., Elkhart, Ind. Filed Dec. 28, 1950.

ACROMAL

For Sedative Preparation.
Claims use since Dec. 4, 1950.

Ser. No. 608,271. Casimir Funk Laboratories, Inc., New York, N. Y. Filed Jan. 2, 1951.

KHELLVIS

For Medicinal Preparation for the Treatment of Circulatory Disorders Associated With the Coronary Artery.
Claims use since Nov. 16, 1950.

Ser. No. 608,694. Arlington Laboratories, Inc., Harrison and Arlington, N. J. Filed Jan. 12, 1951.

SEDIGEST

For Medicinal Composition of Antacids for the Treatment of Inflamed Conditions of the Alimentary Tract.
Claims use since Nov. 22, 1939.

Ser. No. 608,991. The Hospitality Corporation, New Haven, Conn. Filed Jan. 19, 1951.

taf

For Reducing Tablets.
Claims use since Nov. 9, 1950.

Ser. No. 609,083. Ever-Dry Corporation, Los Angeles, Calif. Filed Jan. 22, 1951.

Foot Note

The word "Foot" is disclaimed.
For Medicated Foot Cream for the Treatment or Prevention of Foot Ailments.
Claims use since Jan. 16, 1951.

Ser. No. 609,206. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Jan. 24, 1951.

PENMIST

For Penicillin Containing Preparation for Use in Antibacterial Therapy.
Claims use since Oct. 2, 1950.

Ser. No. 609,209. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Jan. 24, 1951.

SHARESTRIN

Applicant claims ownership of Registration No. 520,485.
For Estrogenic Preparation for Use in Hormonal Therapy.
Claims use since Nov. 14, 1950.

Ser. No. 609,272. American Cyanamid Company, New York, N. Y. Filed Jan. 26, 1951.

RHULIHIST

Applicant claims ownership of Registration No. 400,665.
For Antihistaminic Preparation.
Claims use since Dec. 7, 1950.

Ser. No. 609,483. Kegan Laboratory, Inc., Englewood, N. J. Filed Feb. 1, 1951.

C-TONE

The letter "C" is disclaimed.
For Vitamin Tonic in Liquid Form.
Claims use since Jan. 9, 1951.

Ser. No. 610,224. Dominick J. Nicoletti, New Rochelle, N. Y. Filed Feb. 17, 1951.

LIVO-GLOBIN

The word "Globin" is disclaimed.
For Preparation of Body-Building Elements Particularly Indicated in the Treatment of Secondary Anemia.
Claims use since Dec. 11, 1950.

Ser. No. 610,352. Wyeth Incorporated, Philadelphia, Pa. Filed Feb. 20, 1951.

STRONTOLAC

For Strontium Lactate in Dosage Form.
Claims use since Jan. 26, 1951.

Ser. No. 611,028. Hoffmann-La Roche Inc., Nutley, N. J. Filed Mar. 8, 1951.

TREBURON

For Anticoagulant.
Claims use since Feb. 26, 1951.

Ser. No. 611,546. John W. Smith, Reynoldsville, Pa. Filed Mar. 19, 1951.

MOR-SALV-O

The word "Salv" is disclaimed.
For Salve for the Treatment of Skin Irritations and Eruptions.
Claims use since December 1949.

Ser. No. 613,247. Swift & Company, Chicago, Ill. Filed Apr. 27, 1951.

Swift's

Applicant claims ownership of Registrations Nos. 278,221 and 261,221.
For Gelatin and Glycerine Used as or in the Manufacture of Medicines and Pharmaceutical Preparations.
Claims use since 1918.

Ser. No. 613,479. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed May 3, 1951. (Sec. 2f.)

Dr Scholl's Zino-pads



The word "Pads" and the representation of the pads are disclaimed. Applicant claims ownership of Registrations Nos. 167,379, 224,953, and others.
For Adhesive Medicated Shields, or Pads for Corns, Callouses, and Bunyons.
Claims use since April 1930.

Ser. No. 614,171. Stayner Corporation, Berkeley, Calif. Filed May 21, 1951.

SEDA-STAY

For Sedative.
Claims use since Mar. 15, 1951.

Ser. No. 614,218. S. & C. Products Company, Dallas, Tex. Filed May 22, 1951.

Rivierre BIG 12

Applicant's mark comprises essentially the designation "Rivierre Big 12" and applicant disclaims an exclusive right to any descriptive vitamin designation "B-12" or to designation of fluid contents of the bottle.
For Elixir and Iron Tonic.
Claims use since August 1950.

Ser. No. 614,467. E. R. Squibb & Sons, New York, N. Y. Filed May 28, 1951.

DI-STRYCIN

For Antibacterial Preparation.
Claims use since July 20, 1950.

Ser. No. 614,660. Health Champions, Inc., Detroit, Mich. Filed June 2, 1951.

BRAYNEE

For Food Supplement Composed of a Concentrate of Ingredients Obtained From Natural Plant Sources Dissolved in a Base of Blackstrap Molasses.
Claims use since March 1950.

Ser. No. 615,419. Sutliff & Case Co., Inc., Peoria, Ill. Filed June 19, 1951.



For Medicinal Preparations — Namely, an Aspirin (Acetyl-Salicylic Acid); Troches Containing Tyrothricin and Benzocaine; Medicinal Tablet Containing Liver Extract, Iron and Vitamin B-Complex, Useful in Restoring Hemoglobin Levels; Peptonized Iron and Manganese; Syrup Hypophosphites Compound With Strychnine; Digitoxin; Potassium Thiocyanate; Medicinal Tablet Useful in Relief of Gastric Disturbances; Ammonium Chloride Tablets; Tablets of Vitamin B-Complex With Ascorbic Acid; and Germicides in Concentrated Liquid Form.
Claims use since Jan. 1, 1935.

Ser. No. 617,184. Percival W. Beirnes, doing business as Beir-Nes Laboratories, Los Angeles, Calif. Filed Aug. 1, 1951.

KOLIO

For Preparation in Powder Form for Increasing Bulk in the Colon.
Claims use since June 18, 1951.

Ser. No. 619,215. E. R. Squibb & Sons, New York, N. Y. Filed Sept. 25, 1951.

ANTOSEN

For Antitussive Preparation.
Claims use since Sept. 14, 1951.

Ser. No. 619,331. W. K. Buckley Inc., Buffalo, N. Y. Filed Sept. 28, 1951.



For Cough Syrup.
Claims use since Sept. 18, 1951.

Ser. No. 619,355. Petroleum Specialties, Inc., New York, N. Y. Filed Sept. 28, 1951.

PARLIQ

For Medicinal White Mineral Oils.
Claims use since Sept. 1, 1939.

Ser. No. 619,374. American Dietaids Company, Inc., Yonkers, N. Y. Filed Sept. 29, 1951.

APPETAKE

For Low-Calorie Dietary Aid That Helps Retard Hunger.
Claims use since May 18, 1951.

Ser. No. 619,582. N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Filed Oct. 4, 1951.

CORVASYMTON

Applicant claims ownership of Dutch Registration No. 89,009, dated June 28, 1947.
For Pharmaceutical Product To Assist in and To Control the Circulation of the Blood.

Ser. No. 619,709. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Oct. 8, 1951.

ANTAR

In the drawing the fact that the trade-mark is always imprinted in white on a red background is indicated by the conventional lining for red.
For Medical Preparation—Namely, an Antihistamine Cream With Tar.
Claims use since Sept. 1, 1951.

Ser. No. 620,471. Numotizine, Inc., Chicago, Ill. Filed Oct. 25, 1951.

LANARUB

For Lanolin Ointment.
Claims use since Oct. 8, 1951.

CLASS 19

VEHICLES

Ser. No. 622,668. McDonnell Aircraft Corporation, Lambert Field, Mo. Filed Dec. 19, 1951.

DEMON

For Airplanes.
Claims use since Dec. 4, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 577,440. Lumenite Electronic Company, Chicago, Ill. Filed Apr. 20, 1949.

Lumenite

For Photo-Electric Relays; Capacity Relays; Electronic Liquid Level Controls and Electronic Refrigeration Coil Ice Accumulation Controls, Comprised of a Power Inlet,

Electronic Tubes, Transformer, and Depth Regulating Electrodes; and Electric Switches in the Form of Magnetic Contactors.

Claims use since June 1933.

Ser. No. 601,651. The Whitney Blake Company, Hamden, Conn. Filed Aug. 2, 1950.

TELEDUCT

The word "Duct" is disclaimed.

For Insulated Electric Wire.

Claims use since June 14, 1950.

Ser. No. 604,408. Vidor Limited, London, England. Filed Oct. 3, 1950.

KALIUM

For Electric Dry Batteries.

Claims use since Sept. 1, 1948, in Great Britain; and since Oct. 24, 1949, in commerce between the United Kingdom and the United States.

Ser. No. 608,543. Theodore W. Hallerberg, doing business as Master Specialties Company, Chicago, Ill. Filed Jan. 9, 1951.

TELLITE

For Electrically Operated Visual Warning Signals and Parts Therefor for Use on Engines and Vehicles for Indicating Through a Flashing Light Signal Malfunctions Which Might Result in Damage, Such as Low Oil Level, Low Oil Pressure, Low Air-Brake Pressure, Excessive Water Temperature, Generator Failure, a Partial Set of the Hand Brake, and Interruption or Failure of Oxygen Supply to the Crew of an Aircraft.

Claims use since Mar. 9, 1948.

Ser. No. 609,313. The Pollak Steel Company, Cincinnati, Ohio. Filed Jan. 26, 1951.

Electro-matic

The term "Electro" is disclaimed.

For Electric Fence-Posts for Supporting Electrically Charged Wires.

Claims use since Jan. 16, 1950.

Ser. No. 616,561. Macbeth Corporation, Newburgh, N. Y. Filed July 16, 1951. (Sec. 2f.)

MACBETH

For Electric Lighting Fixtures.

Claims use since 1923 on the word "Macbeth"; and since 1916 on the sun and cloud symbol.

Ser. No. 619,032. Reflector Research Corp., New York and Long Island City, N. Y. Filed Sept. 20, 1951.

SAV-A-LITE

The word "Lite" is disclaimed.

For Reflector Lamp Shades for Electric Lamps.

Claims use since July 13, 1951.

Ser. No. 619,059. American Bosch Corporation, Springfield, Mass. Filed Sept. 21, 1951. (Sec. 2f.)

AMERICAN BOSCH

Applicant claims ownership of Registrations Nos. 284,429, 293,203, and others.

For Ignition and Starting Apparatus for Internal Combustion Engines and Electric Lighting Systems for Moving Vehicles, Comprising Magnetos, Timer-Distributors for Battery Ignition Systems, Mechanical Interrupters and Timing Governors for Magnetos and Timer-Distributors, Ignition Coils, Electric Condensers, Impulse Couplings for Magnetos, Electric Motors, Electric Generators, Shaft Couplings for Magnetos and Timer-Distributors and Electric Motors and Electric Generators, Voltage and Current Regulators for Generators, Electric Cutouts for Generators, Electrically Illuminated and Controlled Mechanical Direction Indicators, Electric Switches, Insulated Cables, Cable Terminals, and Electric Glow Plugs for Ignition, and Parts Thereof.

Claims use since Jan. 9, 1919.

Ser. No. 619,061. American Bosch Corporation, Springfield, Mass. Filed Sept. 21, 1951. (Sec. 2f as to "American Bosch.")

AMERICAN AB BOSCH

Applicant claims ownership of Registrations Nos. 284,429, 293,203, and others.

For Ignition and Starting Apparatus for Internal Combustion Engines and Electric Lighting Systems for Moving Vehicles, Comprising Magnetos, Timer-Distributors for Battery Ignition Systems, Mechanical Interrupters and Timing Governors for Magnetos and Timer-Distributors, Ignition Coils, Electric Condensers, Impulse Couplings for Magnetos, Electric Motors, Electric Generators, Shaft Couplings for Magnetos and Timer-Distributors and Electric Motors and Electric Generators, Voltage and Current Regulators for Generators, Electric Cutouts for Generators, Electrically Illuminated and Controlled Mechanical Direction Indicators, Electric Switches, Insulated Cables, Cable Terminals, and Electric Glow Plugs for Ignition, and Parts Thereof.

Claims use since Apr. 14, 1944.

Ser. No. 619,319. United Manufacturing and Service Co., Milwaukee, Wis. Filed Sept. 27, 1951.

UNILECTRIC

For Systems Consisting of Wire, Junction Blocks, Sockets, Terminals, Switches, and Power Cords Assembled Into and Sold as Complete Harnesses or Groups of Sub-Assemblies.

Claims use since May 29, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 591,688. Leslie E. Lindgard, doing business under the name and style of Joshmal and Jermatt Game Company, Seattle, Wash. Filed Jan. 30, 1950.

ALPHABETICAL RADIO WHEELS

The notation "Alphabetical" is disclaimed.

For Parlor Question and Answer Game and Game Apparatus for Group Entertainment.

Claims use since Mar. 22, 1948.

Ser. No. 595,536. Creve Corporation, Rockford, Ill. Filed Apr. 11, 1950.

CREVE TEE

All material shown on the drawing except the word "Creve" is disclaimed.

For Golf Tees.

Claims use since Oct. 4, 1948.

Ser. No. 596,633. Tillotson Rubber Co. Inc., Needham Heights, Mass. Filed Apr. 29, 1950.

TILLY

The figure shown in the drawing is fanciful. Applicant claims ownership of Registration No. 423,426.

For Toy Rubber Animals and Dolls, Rubber Balls, and Rubber Balloons.

Claims use since January 1941.

Ser. No. 608,460. Master Canasta Corporation, New York, N. Y. Filed Jan. 6, 1951.

CHIP-O-MATIC

The word "Chip" is disclaimed.

For Hand-Operated Machine for Dispensing Chips in Card Playing.

Claims use since Oct. 30, 1950.

Ser. No. 615,440. Deere & Company, Moline, Ill. Filed June 20, 1951.

JOHN DEERE QUALITY FARM EQUIPMENT

The name "John Deere" is that of the deceased founder of applicant's business. Applicant claims ownership of Registrations Nos. 88,248, 348,355, and others.

For Toy Farm Machines.

Claims use since Dec. 1, 1939.

Ser. No. 618,699. George Patrick Hanna, Melbourne, Victoria, Australia. Filed Sept. 12, 1951.

BATMON

The representation of the shuttlecock is disclaimed. Applicant claims ownership of Australian Registration No. 74,850, dated June 17, 1939.

For Bats, Shuttlecocks, and Nets Comprising a Game in the Form of Miniature Badminton.

Ser. No. 618,719. Wright & McGill Co., Denver, Colo. Filed Sept. 12, 1951.

Eagle Brand

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 505,204.

For Fish Hooks.

Claims use since Aug. 15, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 543,623. The McBee Company, Athens, Ohio. Filed Dec. 6, 1947.

McBee

The drawing is lined for shading. The word "McBee" is disclaimed.

For Machines for Punching Cards, Machines for Grooving the Marginal Edges of Cards, Machines for Binding Cardboard and Paper.

Claims use since April 1927.

Ser. No. 552,365. Nicholson File Company, Providence, R. I. Filed Dec. 22, 1947. (Sec. 2f as to the words "Superior" and "Nicholson.")

Superior

The words "Milled Tooth Files," "File Company," "Providence, R. I., U. S. A." and the representation of the goods are disclaimed. The drawing is lined for orange and cross-hatched for shading. Applicant claims ownership of Registration No. 334,031.

For Files and Rasps.

Claims use since Jan. 15, 1935.

Ser. No. 582,835. Charles W. Goldhammer, doing business as Industrial Sheet Metal Works, North Bergen, N. J. Filed Aug. 2, 1949.

INDUST

For Dust Collectors, Dust Conveyors, and Separating Units To Separate Dust From the Air for Use in Industrial Establishments.

Claims use since January 1949.

Ser. No. 588,656. Reeves Pulley Company, Columbus, Ind. Filed Dec. 1, 1949. (Sec. 2t—Additional evidence.)

VARI-SPEED

For Variable Speed Power Units for Transmitting Rotary Motion at Varying Output Speeds.

Claims use since Dec. 24, 1928.

Ser. No. 590,548. Croll-Reynolds Co. Inc., Teterboro, N. J., and New York, N. Y. Filed Jan. 9, 1950.

AQUA-VACTOR

The word "Aqua" is disclaimed.

For Flowing Fluid Jet Aspirators for Withdrawing and/or Pumping Fluids From Their Storage Zones for Industrial and Research and Development Processes.

Claims use since Apr. 26, 1949.

Ser. No. 607,279. The American Pulley Company, Philadelphia, Pa. Filed Dec. 5, 1950.

SPROCBELT

For Pulleys and Assemblies Comprising a Drive Belt and Two Pulleys, the Drive Belt Having Lugs on the Underside Thereof for Engagement With Corresponding Grooves in the Faces of the Pulleys.

Claims use since Oct. 27, 1950.

Ser. No. 609,328. Athey Products Corporation, Chicago, Ill. Filed Jan. 27, 1951. (Sec. 2f.)

ATHEY FORCE-FEED LOADER

The words "Force-Feed Loader" are disclaimed. Applicant claims ownership of Registration No. 438,362.

For Continuous Belt Loader (of the Type Comprising Either a Tow-Type or a Self-Propelled Unit) for Loading Upon a Truck Gravel, Dirt, and the Like Arranged in Windrows.

Claims use since Oct. 29, 1941.

Ser. No. 611,228. Imperial Knife Company, Inc., Providence, R. I. Filed Mar. 13, 1951.

"GUIDE-MASTER"

Applicant claims ownership of Registration No. 370,200.

For Combination Compass, Chain, and Knife Set.

Claims use since Dec. 1, 1950.

Ser. No. 612,414. Powell Muffler Company, Inc., Chicago, Ill., and Utica, N. Y. Filed Apr. 9, 1951. (Sec. 2f.)

Powell
MUFFLER

All wording except "Powell" is disclaimed.

For Mufflers for Internal Combustion Engines and Parts Thereof—Namely, Tail Pipes, Exhaust Pipes, and Muffler Clamps.

Claims use since September 1950 on the mark as shown; and since 1905 on the words contained in the mark.

Ser. No. 612,929. Pangborn Corporation, Hagerstown, Md. Filed Apr. 20, 1951. (Sec. 2f.)

Pangborn

For Dry and Wet Centrifugal Type Dust Collectors and Parts Thereof.

Claims use since April 1907.

Ser. No. 615,329. Kidde Manufacturing Co., Inc., Bloomfield, N. J. Filed June 18, 1951.

KIDDE

For Knitting Machines.

Claims use since April 1947.

Ser. No. 615,330. Kidde Manufacturing Co., Inc., Bloomfield, N. J. Filed June 18, 1951.

K
Kidde

For Knitting Machines.

Claims use since Oct. 30, 1950.

Ser. No. 615,786. Miles Laboratories, Inc., Elkhart, Ind. Filed June 27, 1951.

BACTIMIZER

For Liquid Sprayer.

Claims use since June 18, 1951.

Ser. No. 618,526. Avildsen Tools & Machines, Inc., doing business under the name of Century Drill & Tool Works, Chicago, Ill. Filed Sept. 8, 1951.

BLACK MAGIC

The word "Black" is disclaimed.

For Drill Bits.

Claims use since June 1, 1951.

Ser. No. 619,056. American Bosch Corporation, Springfield, Mass. Filed Sept. 21, 1951. (Sec. 2f as to "American Bosch.")

AMERICAN
AB
BOSCH

Applicant claims ownership of Registrations Nos. 284,429, 293,203, and others.

For Fuel Injection Apparatus for Internal Combustion Engines—Namely, Fuel Injection Pumps, Fuel Supply Pumps, Fuel Injection Nozzles, Holders for Fuel Injection Nozzles, Centrifugal and Pneumatic Governors for Pumps, and Timing Devices for Pumps, Lubricating Pumps for Machinery in General; Drive Couplings for Pumps; and Parts of All of the Same.

Claims use since Apr. 14, 1944.

Ser. No. 619,058. American Bosch Corporation, Springfield, Mass. Filed Sept. 21, 1951. (Sec. 2f.)

AMERICAN BOSCH

Applicant claims ownership of Registrations Nos. 284,429, 293,203, and others.

For Fuel Injection Apparatus for Internal Combustion Engines—Namely, Fuel Injection Pumps, Fuel Supply Pumps, Fuel Injection Nozzles, Holders for Fuel Injection Nozzles, Centrifugal and Pneumatic Governors for Pumps, and Timing Devices for Pumps, Lubricating Pumps for Machinery in General; Drive Couplings for Pumps; and Parts of All of the Same.

Claims use since Jan. 24, 1934.

Ser. No. 620,466. Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Filed Oct. 25, 1951.

Chipmaster

For Metal Working Machines—Namely, Metal Planers.

Claims use since Sept. 17, 1951.

Ser. No. 621,605. Nagle Pumps, Inc., Chicago Heights, Ill. Filed Nov. 1, 1951. (Sec. 2f.)

Nagle

For Industrial Pumps.

Claims use since Jan. 2, 1946.

Ser. No. 621,955. Dapag (1943) Limited, London, England. Filed Dec. 1, 1951.

IMPRIMA

For Printing Machines and Parts Thereof.

Claims use since Dec. 7, 1937, in Great Britain; and first used in commerce between Great Britain and the United States on Sept. 30, 1949.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 602,379. A. B. Dick Company, Niles, Ill. Filed Aug. 18, 1950.

Applicant claims ownership of Registrations Nos. 356,553 and 352,367.

For Illuminated Drawing Boards.

Claims use since Apr. 18, 1950.

Ser. No. 613,567. C. P. Goerz American Optical Company, New York, N. Y. Filed May 3, 1951.

DAGOR

For Photographic Lenses Made in Various Focal Lengths Consisting of Two Similar Cemented Triplets of Lens Elements, Mounted Either in Front and Rear Cells Connected by a Metal Barrel or in Front and Rear Cells Separately Fitted to a Photographic Shutter Used as General Taking Lenses.

Claims use since 1906.

Ser. No. 621,417. Overseas Finance & Trading Company Inc., San Francisco, Calif. Filed Nov. 19, 1951.

Novar

For Binoculars.

Claims use since Mar. 28, 1949.

Ser. No. 621,499. Bausch & Lomb Optical Company, Rochester, N. Y. Filed Nov. 21, 1951.

BALscope Sr.

For Telescopes.

Claims use since Oct. 31, 1951.

Ser. No. 621,658. Cinefot International Corp., New York, N. Y. Filed Nov. 26, 1951.

WATA

For Photographic Range Finders.
Claims use since Oct. 6, 1950.

Ser. No. 621,659. Cinefot International Corp., New York, N. Y. Filed Nov. 26, 1951.

WATAMETER

For Photographic Range Finders.
Claims use since Oct. 6, 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 574,374. Orano Corporation, New York, N. Y. Filed Feb. 23, 1949.

oRANo

For Watches.
Claims use since Jan. 1, 1924.

Ser. No. 589,869. Reliable Stores Corporation, Baltimore, Md. Filed Dec. 23, 1949.

Tremont
MASTERPIECE

The word "Tremont" is disclaimed. Applicant claims ownership of Registration No. 420,440.
For Watches, Clocks, and Parts Thereof.
Claims use since Sept. 24, 1949.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 607,229. Arthur Murray Enterprises, Inc., New York, N. Y. Filed Dec. 2, 1950.

ARTHUR MURRAY

The mark consists of the name "Arthur Murray," the well known dance instructor.
For Lapel Pins and Brooches.
Claims use since Oct. 26, 1950.

Ser. No. 609,266. Weinreich Brothers Company, New York, N. Y. Filed Jan. 25, 1951.

MARVANIUM

For Jewelry Clasps and Jewelry Clips for All Jewelry for Personal Wear—Namely, Necklaces, Bracelets, Earrings, Brooches, Lockets.
Claims use since September 1950.

Ser. No. 611,481. Levy-Anderson Co., Inc., Providence, R. I. Filed Mar. 17, 1951.

L.A.

For Jewelry for Personal Wear or Adornment—Namely, Bracelets, Earrings, Necklaces, Brooches, Lockets, Watch Bracelets; and the Following Items Made in Whole of, in Part of, or Plated With Precious Metal—Namely, Identification Tags and Religious Crosses.
Claims use since 1936.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 596,379. G. B. Kent & Sons, Limited, London, England. Filed Apr. 22, 1950.

GRANITE SET

The word "Set" is disclaimed. Applicant claims ownership of British Registration No. B. 606,949, dated May 24, 1939.
For Paint Brushes.

Ser. No. 619,528. Whiting-Adams Company, Inc., Boston, Mass. Filed Oct. 2, 1951.



MINUTE MAN

For Brushes for Painting, Varnishing, or Applying Liquids and for Cleansing, Polishing, and Sweeping.
Claims use since Jan. 10, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 595,218. Arnold L. Lund, doing business as Dust Filter Company, Chicago, Ill. Filed Apr. 4, 1950.

DUST KING

The word "Dust" is disclaimed.
For Dust Collectors of the Filter Type.
Claims use since Jan. 3, 1950.

Ser. No. 615,400. The New York Air Brake Company, Watertown and New York, N. Y. Filed June 19, 1951.

NY

The mark comprises the letters "N" and "Y" written as a conventionalized monogram.
For Air Filters and Parts Thereof.
Claims use since Apr. 29, 1912.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 543,412. Barker Bros. Corporation, Los Angeles, Calif. Filed Dec. 5, 1947.

Pacific Modern

The word "Modern" is disclaimed.
For Living Room, Dining Room and Bedroom Furniture Comprising Tables, Bookcases, Desks, Secretaries, Buffets, China Closets, Chairs, Beds, Headboards, Chests of Drawers, Dressers, Night Stands, and Benches.
Claims use since Nov. 10, 1941.

Ser. No. 559,844. The Kawneer Company, Niles, Mich. Filed June 21, 1948. (Sec. 2f.)

EASYSET

Applicant claims ownership of Registrations Nos. 285,192 and 283,287.
For Show Cases, Metal Show Cases and Metal Constructional Parts of Show Cases.
Claims use since Feb. 28, 1913.

Ser. No. 589,044. Sachs Quality Stores, Inc., New York, N. Y. Filed Dec. 8, 1949. (Sec. 2f.)

Sachs

Applicant claims ownership of Registrations Nos. 281,244 and 433,350.
For Bedroom Furniture Comprising Beds, Dressers, Cribs, Wardrobes, Bedroom Chairs, Bureaus, Bedroom Mirrors, Vanities, Bedroom Benches; Living-Room Furniture Comprising Living-Room Suites, Chests, Living-Room Chairs, Living-Room Tables, Magazine Racks, Benches; Dining-Room Furniture Comprising Tables, Chairs, China Closets, Serving Carts and Tea Wagons, Sideboards, Buffets; Bathroom Furniture Comprising Cabinets, Stools, Benches, and Kitchen Furniture Comprising Tables, Chairs, and Cabinets; Bookcases, Breakfast Furniture Sets, Cabinets for Radio and Television Receiving Sets and Phonograph Apparatus; Office Furniture, Comprising Desks, Filing Cabinets, Box Files for Letters, Bookcases, Tables, and Chairs; Also Picture Frames, Studio Couches, Hide-Away-Beds, Chair Beds, Davenports, Sofas and Love Seats, Mirrors for Use in Connection With Furniture.
Claims use since February 1927.

Ser. No. 589,817. Visualite Venetian Blind Co., Los Angeles, Calif. Filed Dec. 22, 1949.

Visualite

The parallel lining is merely indicative of the slats in a blind of the type with which the trade-mark is concerned and is disclaimed apart from the trade-mark as a whole.
For Venetian Blinds.
Claims use since Jan. 2, 1948.

Ser. No. 590,364. Heritage Furniture, Inc., High Point, N. C. Filed Jan. 5, 1950.

Trendé

For Upholstered, Wood, Plastic, and Metal Furniture for Household and Public Use, Namely: Regular, Sectional, Day-Bed Type, Couch and Mobile Sofas; Regular, Sectional, Day-Bed Type, Couch and Mobile Loveseats; Wing, Barrel, Lounge, Occasional, Desk, Dining, Boudoir, Rocking, Porch, Terrace, and Children's Chairs, and Mobile Chairs for Household Use; Drum, Sofa, End, Lamp, Cocktail, Coffee, Console, Card, Night, Step, Dining, Typewriter, and Cigarette Tables, or Any Other Table Designed by Manufacturers for Household or Table Use, Tea Carts; Knee-Hole, Table, and Office Desks; Open Stock Dining Room Furniture or Suites Specifically Buffets, Chinas, Sideboards; Open Stock Bedroom Furniture and Suites Specifically Dressers, Bureaus, Chests, Bachelors' Chests, Chest on Chests, Dressing Tables, Vanities, Drawer Tables, Highboys, Mr. and Mrs. Chests, Double Dressers, Single Beds, Double Beds, Hollywood Beds, Swing Beds, Day Beds, Vanity Benches, and Stools, and Bedside Tables.
Claims use since Dec. 15, 1949.

Ser. No. 591,905. Aurora Equipment Company, doing business as Equipto Division of Aurora Equipment Co., Aurora, Ill. Filed Feb. 3, 1950.

IRON GRIP

For Steel Shelving Units, Vertical Parts Bins, and Service Counters.
Claims use since Sept. 15, 1946.

Ser. No. 611,266. Gardner Furniture Manufacturing Company, Inc., Natchez, Miss. Filed Mar. 14, 1951.



BELLE OF NATCHEZ

The word "Natchez" is disclaimed. The representation of the lady is fanciful.
For Furniture—Namely, Folding Chairs and Foot Stools.
Claims use since Mar. 15, 1950.

Ser. No. 615,099. Southern Spring Bed Company, Atlanta, Ga. Filed May 21, 1951.

BED-O-ROSES

The word "Bed" is disclaimed. Applicant claims ownership of Registration No. 256,359.
For Bed Springs and Mattresses.
Claims use since December 1928.

Ser. No. 616,578. J. H. Young's, Spring Lake, N. J. Filed July 16, 1951.

FILEASE

For Filing Cabinets, Index Cabinets, Steel Utility Cabinets.
Claims use since Feb. 3, 1950.

Ser. No. 617,510. Bernard G. Mesberg, doing business under the firm name and style of B. G. Mesberg Co., New York, N. Y. Filed Aug. 9, 1951.

PREDICTOR GROUP

The word "Group" is disclaimed.
For Bedroom, Dining Room, Living Room, and Kitchen Furniture—Namely, Beds, Sofas, Couches, Love Seats, Chairs, Tables, Stools, Wardrobes, Chests, Commodes, Benches, and Cabinets.
Claims use since July 27, 1951.

Ser. No. 620,047. The Maine Manufacturing Company, Nashua, N. H. Filed Oct. 16, 1951.

WHITE MOUNTAIN

For Metal Cabinets.
Claims use since March 1951.

CLASS 33

GLASSWARE

Ser. No. 585,305. American Plasticraft Company, New York, N. Y. Filed Sept. 26, 1949.

Hi-Lite

For Watch Crystals Made of Molded Plastics.
Claims use since Aug. 5, 1949.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 595,150. Phillips & Buttorff Mfg. Co., Nashville, Tenn. Filed Apr. 3, 1950.

CRUSADER

Applicant claims ownership of Registration No. 539,420.
For Solid-, Liquid-, and Gaseous-Fuel-Burning Stoves, Ranges, Water-Heaters, Radiant Space-Heaters, Circulator Air-Heaters, Floor Furnaces, Central-Heating Furnaces, and Unit-Heaters.
Claims use since Mar. 15, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 612,425. Universal Packing & Gasket Company, Houston, Tex. Filed Apr. 9, 1951.

URON

For Piston Cups for Pumps.
Claims use since Sept. 29, 1950.

Ser. No. 617,479. American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Filed Aug. 9, 1951. (Sec. 2f.)

Rapid

Applicant claims ownership of Registration No. 500,456.
For Twisted Jute Packing for Pipe Joints.
Claims use since July 15, 1934.

Ser. No. 624,404. Federated Department Stores, Inc., Cincinnati, Ohio. Filed Feb. 1, 1952.

Fedway

For Garden Hose and Rubber Vehicle Tires.
Claims use since Jan. 3, 1952.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 585,241. Longines-Wittnauer Watch Co. Inc., New York, N. Y. Filed Sept. 23, 1949.

SYMPHONETTE RECORD

The word "Record" is disclaimed.
For Mechanically Grooved Phonograph Records, and Reproducer Disks.
Claims use since Dec. 15, 1941.

Ser. No. 613,804. Coral Records, Inc., New York, N. Y. Filed May 12, 1951.

CORAL

Applicant claims ownership of Registration No. 543,313.
For Phonograph Needles.
Claims use since October 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 591,613. Crown Zellerbach Corporation, also doing business as Western Waxed Paper Company, San Francisco, Calif. Filed Jan. 28, 1950.



The phrase "Five-by-Five" is disclaimed.
For Waxed Paper Food Dividers.
Claims use since Dec. 6, 1949.

Ser. No. 602,271. Joshua Meier Company, Inc., New York, N. Y. Filed Aug. 16, 1950.

SPEL-BINDER

The word "Binder" is disclaimed.
For Display Albums and Loose Leaf Binders.
Claims use since July 13, 1950.

Ser. No. 610,658. American Air Filter Company, Inc., Louisville, Ky. Filed Mar. 1, 1951.

AAF

For Rolls of Paper Used for Mechanical Dry-Type Ventilating Air Filters of the Portable Cell, Foldable Frame, and Stationary Pocket Types.
Claims use since Aug. 14, 1934.

Ser. No. 619,452. Crown Zellerbach Corporation, San Francisco, Calif. Filed Oct. 1, 1951.

Avalon

Applicant claims ownership of Registration No. 191,508
For Paper Napkins and Paper Towels.
Claims use since Dec. 1, 1945.

Ser. No. 621,022. Ernest D. Morningstar, doing business as School Pen Co., Toledo, Ohio. Filed Nov. 8, 1951.

Cardinal

For Fountain Pens and Pencils and Parts Therefor.
Claims use since May 1, 1949.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 603,643. Nebraska Consolidated Mills Company, Omaha, Nebr. Filed Sept. 16, 1950.

Jean Foster

The name "Jean Foster" is fanciful.
For Recipes in Pamphlet Form Distributed With Enriched Flour Suggesting How Various Baked Goods, in Which the Main Ingredient Is Enriched Flour, Can Be Prepared.
Claims use since Sept. 1, 1950.

Ser. No. 608,146. Career, Inc., New Haven, Conn. Filed Dec. 28, 1950.

CAREER

For Annual Publication in the Nature of a Guide to Business Opportunities Open to College Men.
Claims use since Nov. 17, 1950.

Ser. No. 609,658. Montee Publishing Co., Baltimore, Md. Filed Feb. 5, 1951. (Sec. 2f.)

TURF AND SPORT DIGEST

Applicant claims ownership of Registrations Nos. 280,466 and 297,575.
For Magazine Published Every Month.
Claims use since Aug. 20, 1931.

Ser. No. 610,006. H. S. Crocker Co., Inc., doing business as Crocker-Union, San Bruno, Calif. Filed Feb. 13, 1951.

MIRRO-KROME

The word "Krome" is disclaimed.
For Picture Post-Cards.
Claims use since May 1950.

Ser. No. 610,186. Radio-Television Manufacturers Association, Washington, D. C. Filed Feb. 16, 1951.



The words "Radio-Television Manufacturers Association" are disclaimed. Applicant claims ownership of Registration No. 506,099.
For Publications Issued From Time to Time Devoted to Radio Transmitting and Receiving Apparatus and Television Transmitting and Receiving Apparatus.
Claims use since August 1950.

Ser. No. 615,401. The New York Air Brake Company, Watertown and New York, N. Y. Filed June 19, 1951.



The trade-mark comprises the letters "N" and "Y" written as a conventionalized Monogram.
For Instruction Manuals.
Claims use since 1906.

Ser. No. 616,465. The Wesleyan Methodist Publishing Association, Syracuse, N. Y. Filed July 13, 1951.

The Wesley PRESS W P SINCE 1843

The words "Press" and "Since 1843" are disclaimed. The man's picture is a likeness of John Wesley, deceased.
For Periodicals, Leaflets, Pamphlets, Tracts, and Other Religious Publications.
Claims use since May 1, 1950.

Ser. No. 617,494. For-Dom Inc., New York, N. Y. Filed Aug. 9, 1951.

Carmaster

Applicant claims ownership of Registration No. 545,651.
For Automotive Publications Published From Time to Time.
Claims use since July 31, 1951.

Ser. No. 619,914. American Hospital Association, doing business as Blue Cross Commission, Chicago, Ill. Filed Oct. 12, 1951.

afterwords

For Publication Issued From Time to Time.
Claims use since July 11, 1951.

Ser. No. 619,934. Fairchild Publications, Inc., New York, N. Y. Filed Oct. 12, 1951.

'The Pay Envelope Girl'

For Newspaper Column or Feature.
Claims use since Aug. 22, 1951.

Ser. No. 620,068. Weekly Publications, Inc., New York, N. Y. Filed Oct. 16, 1951.

WASHINGTON TIDES

The word "Washington" is disclaimed.
For Department or Section of a Periodical Publication.
Claims use since Nov. 10, 1941.

Ser. No. 620,217. International Textbook Company, Scranton, Pa. Filed Oct. 19, 1951.

LAUREL PUBLISHERS

For Printed Books, Printed Manuals, and Printed Pamphlets.
Claims use since May 11, 1951.

Ser. No. 620,684. New Holland Machine Company, New Holland, Pa. Filed Oct. 30, 1951.

THE **WINDROW**

For Quarterly Periodical Publication.
Claims use since Mar. 30, 1951.

Ser. No. 620,702. Wamsutta Mills, New Bedford, Mass. Filed Oct. 30, 1951.

WAMSUTTA NEWS BULLETIN

The words "News Bulletin" are disclaimed.
For House Organs Containing News and Information of Interest to the Retail Trade.
Claims use since Oct. 23, 1950.

Ser. No. 620,817. The Oklahoma Publishing Company, Oklahoma City, Okla. Filed Nov. 2, 1951.

The Prep Parade

For Column of a Newspaper.
Claims use since Jan. 14, 1951.

Ser. No. 620,818. The Oklahoma Publishing Company, Oklahoma City, Okla. Filed Nov. 2, 1951.

The Slush Pit

For Column of a Newspaper.
Claims use since July 19, 1932.

Ser. No. 620,819. The Oklahoma Publishing Company, Oklahoma City, Okla. Filed Nov. 2, 1951.

The Smoking Room

For Column of a Newspaper.
Claims use since June 26, 1935.

Ser. No. 620,821. Popular Mechanics Company, Chicago, Ill. Filed Nov. 2, 1951.

PHOTOKINKS

For Periodical Publication.
Claims use since May 1, 1951.

Ser. No. 620,964. How Publishing Co., Chicago, Ill. Filed Nov. 7, 1951.

Extra Money

For Magazines.
Claims use since Sept. 15, 1951.

CLASS 39
CLOTHING

Ser. No. 560,766. Leons Oreg. Ltd., Salem, Oreg. Filed July 6, 1948.

Leons "Exclusively Yours"

The words "Exclusively Yours" are disclaimed.
For Ladies' Slack Suits, Dickies, Scarfs, Beach and Lounging Robes, Negligees, Nightgowns, Slips, Panties, Girdles, Brassières, Garter Belts, and Handkerchiefs; Ladies' and Girls' Slacks; Ladies' and Boys' Apparel Belts and Pajamas; Boys', Girls', and Infants' Underwear; Boys' Suspenders and Pants; Girls' Play Suits and Swim Suits; and Infants' Rompers.
Claims use since Aug. 15, 1936.

Ser. No. 577,487. Jordan Marsh Company, Boston, Mass. Filed Apr. 21, 1949. (Sec. 2f as to "Jordan.")

SUPER JORDAN

For Men's Suits and Outer Shirts.
Claims use since Mar. 25, 1949, as to "Super Jordan"; and since Feb. 1851, as to "Jordan."

Ser. No. 599,296. Wells Lamont Corporation, Chicago, Ill. Filed June 16, 1950.

MAUDE&CLAUDE

For Work Gloves of Leather and Fabric.
Claims use since Feb. 23, 1950.

Ser. No. 599,558. Dormeuil Freres, London, England, and Paris, France. Filed June 22, 1950.

SPORTEX

Applicant claims ownership of British Registration No. 420,563, dated Nov. 15, 1921; and United States Registration No. 183,553.
For Suits, Trousers, Outer Shirts, and Under Shirts, Braces, All for Men or Children; Costumes, Skirts, Dresses, Blouses, Knickers, Petticoats, Cami-Knickers, All for Women or Children; Corsets and Brassières, All for Women; Coats, Swimming Suits and Costumes, Mufflers, Scarves, Cardigans, Pullovers and Jumpers, Dressing Gowns, Belts, Garters, Shoes, Boots, Slippers, Socks, Neckties, Overalls, Pyjamas, Vests, Pants, Hats, Caps, and Gloves of Textile Material and of Leather, All for Men, Women, or Children.

Ser. No. 599,738. Alamac Knitting Mills, Inc., New York, N. Y. Filed June 26, 1950.

'WEE-PANT'

The word "Pant" is disclaimed.
For Baby Panties, Baby Bloomers, Creepers.
Claims use since May 9, 1950.

Ser. No. 605,749. Leona Lingerie Inc., New York, N. Y. Filed Nov. 1, 1950.

Leona

For Ladies' Stockings.
Claims use since Oct. 16, 1950.

Ser. No. 610,057. Glen-More Clothing Company, Knoxville, Tenn. Filed Feb. 14, 1951.

GLEN-MORE

Applicant claims ownership of Registration No. 276,636.
For Men's and Boys' Suits, Sport Coats, Topcoats, and Overcoats.
Claims use since Apr. 21, 1930.

Ser. No. 612,401. I. B. Kleinert Rubber Company, New York, N. Y. Filed Apr. 9, 1951.

"CONFORMA"

For Hair Nets.
Claims use since Feb. 26, 1951.

Ser. No. 615,999. South Seas Trading Corp., New York, N. Y. Filed July 2, 1951.

MIN-A-FORE

For Women's and Children's Blouses, Jackets, Shirtwaists, Skirts, and Dresses.
Claims use since May 1, 1950.

Ser. No. 616,100. Holeproof Hosiery Company, Milwaukee, Wis. Filed July 5, 1951.

BEAUTY LOCK

The word "Beauty" is disclaimed.
For Women's Hosiery.
Claims use since Mar. 1, 1940.

Ser. No. 616,643. Rosedale Knitting Company, Reading, Pa. Filed July 18, 1951. (Sec. 2f.)

Rosedale

Applicant claims ownership of Registrations Nos. 360,249 and 443,674.
For Ladies' Hosiery.
Claims use since May 1919.

Ser. No. 617,797. Morris M. Hoff, doing business as The Fashion Manufacturing Company, Detroit, Mich. Filed Aug. 17, 1951.

A Dinny FASHION

The term "A Fashion" is disclaimed.
For Dresses, Skirts, Blouses, Slacks, Petticoats, Suits, Stoles, Vestees, Boleros, and Jackets for Ladies.
Claims use since Sept. 15, 1945.

Ser. No. 619,266. Sleepwear, Inc., New York, N. Y. Filed Sept. 26, 1951.



The representation of the goods is disclaimed.
For Men's Pajamas.
Claims use since Apr. 9, 1947.

Ser. No. 621,869. Davis-Gishman Corp., New York, N. Y. Filed Nov. 30, 1951.

Joni

For Ladies' and Misses' Slips, Petticoats, Bed Jackets, and Nightgowns.
Claims use since Oct. 30, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 576,369. Supply Manufacturing Co. Inc., New York, N. Y. Filed Mar. 30, 1949.

BAC-A-BELT

The word "Belt" is disclaimed.
For Belting in the Nature of Findings.
Claims use since Jan. 10, 1949.

Ser. No. 615,699. Albert M. Goldstein, Inc., New York, N. Y. Filed June 26, 1951.

BLUE PACK

The word "Pack" is disclaimed.
For Sewing Needles, Such as Sharps, Darners, Embroidery, Betweens, Yarn, and Quilting Needles.
Claims use since Nov. 1, 1950.

Ser. No. 618,718. David Traum Company, Inc., New York, N. Y. Filed Sept. 12, 1951.

TRAUM

Tailor-Trik

The words "Traum" and "Tailor" are disclaimed.
For Art Needlework Accessory—Namely, a Narrow Flat Pointed Plastic Tool for Use in Needlework.
Claims use since Aug. 17, 1951.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 602,121. Hand Block Textiles, Inc., Los Angeles, Calif. Filed Aug. 12, 1950.

Hawthorne PRINTS

The word "Prints" is disclaimed.
For Table Cloths and Napkins, Towels, Draperies, Window Curtains, and Piece Goods of Cotton, Wool, and Synthetic Fibers.
Claims use since Apr. 29, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 619,236. The Firestone Tire & Rubber Company, Akron, Ohio. Filed Sept. 26, 1951.

Velon

Applicant claims ownership of Registrations Nos. 441,145, 507,954, and others.
For Threads.
Claims use since Sept. 15, 1942.

Ser. No. 621,120. American Cyanamid Company, New York, N. Y. Filed Nov. 13, 1951.

CRESFIL

For Thread and Yarn Containing Synthetic Fiber.
Claims use since Oct. 26, 1951.

Ser. No. 621,387. Bunge Corporation, New York, N. Y. Filed Nov. 19, 1951.

BUNtex

Applicant claims ownership of Registration No. 535,652.
For Yarns.
Claims use since Sept. 5, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 573,567. Perrine Manufacturing Co., Minneapolis, Minn. Filed Feb. 9, 1949. (Sec. 2f.)

TUWAY

For Finger Nail Files.
Claims use since July 1941.

Ser. No. 573,752. Austenal Laboratories, Incorporated, New York, N. Y. Filed Feb. 12, 1949.

PRECISION STABILITY CONTACT
MICRO-DENTURE PROCEDURE

All wording except "Micro" is disclaimed.
For Dentures.
Claims use since Dec. 22, 1948.

Ser. No. 606,735. Swansdown Sanitary Garment Company, Incorporated, Detroit, Mich. Filed Nov. 21, 1950. (Sec. 2f.)

Swansdown

Applicant claims ownership of Registration No. 255,316.
For Sanitary Napkins and Sanitary Belts or Supporters.
Claims use since Jan. 1, 1922.

Ser. No. 612,052. Martha F. McKesson, doing business as McKesson Appliance Co., Toledo, Ohio. Filed Mar. 5, 1951.

Navgraf

Applicant claims ownership of Registration No. 272,772.
For Respiration-Testing and Gas-Administration Apparatus and Parts Thereof.
Claims use since Jan. 1, 1930.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 554,406. Pastene & Co., Inc., New York, N. Y. Filed Apr. 12, 1948. (Sec. 2f.)

Pastene

Applicant claims ownership of Registrations Nos. 286,751 and 334,507.
For Grape Juice.
Claims use since Aug. 14, 1942.

Ser. No. 561,397. Real Juice Company, Inc., Dallas, Tex. Filed Mar. 1, 1948. (Sec. 2f.)

Litewine

Applicant claims ownership of Registrations Nos. 193,161 and 315,611.
For Nonalcoholic, Maltless Beverage, Sold as a Soft Drink.
Claims use since Sept. 18, 1922.

Ser. No. 618,657. Schweppes (Colonial & Foreign) Limited, London, England. Filed Sept. 11, 1951.

schweppervescence

Applicant claims ownership of British Registration No. 648,926, dated June 18, 1946, and United States Registrations Nos. 144,921 and 304,177.
For Soda Water, Dry Ginger Ale, Ginger Beer, Quinine Water, and Sarsaparilla.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 538,205. Wellman-Peck & Co., San Francisco, Calif. Filed Oct. 17, 1947.

PARK

For Canned Foods—Namely, Salmon, Tuna, Oysters, Sardines, Olives, Pimientos, Vegetables, Fruits, and Pork and Beans.
Claims use since January 1913.

Ser. No. 569,331. A. Ned Quartararo, Brooklyn, N. Y. Filed Nov. 19, 1948.

NED'S SEA-BRAND

The drawing is lined for red but no claim is made to color. The words "Sea-Brand" are disclaimed.
For Frozen Sea Foods and Fish, Which Sea Foods and Fish Consist of Cooked Frozen Shrimp, Scungilli (Conch), Mussels, Clam Chowder, Crabmeat, Lobster, Calamari (Squid).
Claims use since Mar. 1, 1948.

Ser. No. 572,286. ABC Popcorn Co., Inc., Chicago, Ill. Filed Dec. 13, 1948.



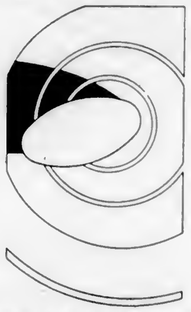
FRENCH-BOY

The picture shown in the drawing is fanciful.

For Raw Popping Corn, Popped Corn—Namely, Salted Popcorn; and Popcorn Seasoning—Namely, Coconut Oil.

Claims use since Apr. 21, 1948.

Ser. No. 575,029. Arcady Farms Milling Company, Chicago, Ill. Filed Mar. 8, 1949.



The mark comprises a fanciful arrangement of eccentric bands, an oval, and the shadow cast thereby.

For Horse, Cattle, Hog, Poultry and Game Bird, Rabbit, and Dog Feed; the Horse, Cattle, Poultry and Game Bird, and Rabbit Feed Consisting Principally of Grains and Alfalfa and Oil Meals; the Hog Feed Consisting Principally of Fish, Grain, and Oil Meals, and Tankage; the Dog Feed Consisting Principally of Meat and Bone Meal, Buttermilk, Milk By-Products, and Cereals.

Claims use since Feb. 12, 1948.

Ser. No. 582,643. Naman Packing Company, Fresno, Calif. Filed July 28, 1949. (Sec. 2f.)

KLEEN-PAK

Applicant claims ownership of Registration No. 326,249.

For Dried Fruits and Raisins.

Claims use since October 1927.

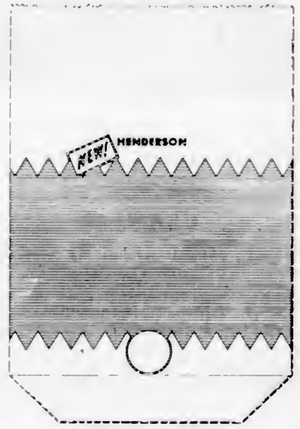
Ser. No. 584,544. Pauly Cheese Company, Green Bay, Wis. Filed Sept. 7, 1949. (Sec. 2f.)

Windsor

For Process Cheese and Cheese Food.

Claims use since 1929.

Ser. No. 586,972. Henderson Sugar Refinery Inc., New Orleans, La. Filed Oct. 28, 1949. (Sec. 2f as to "Henderson.")



The drawing is lined for blue. The word "New" and the representation of the bag, with the exception of the design on the bag are disclaimed. Applicant claims ownership of Registration No. 99,048.

For Sugar.

Claims use since Sept. 30, 1949, as shown; and since 1886 on the word "Henderson."

Ser. No. 587,907. Pioneer Hi-Bred Corn Co., Des Moines, Iowa. Filed Nov. 16, 1949.

Hy-Line

Applicant claims ownership of Registration No. 387,198.

For Fresh Eggs, Frozen Eggs, Dried Eggs, Dressed Poultry, and Poultry Feed.

Claims use since June 6, 1949.

Ser. No. 595,612. Moultrie Canning Company, Moultrie, Ga. Filed Apr. 12, 1950.

MY•PAK
Brand

The words "Pak" and "Brand" are disclaimed.

For Canned Vegetables.

Claims use since Feb. 27, 1950.

Ser. No. 599,076. Henry Becker & Son, Inc., Roseland, N. J. Filed June 14, 1950. (Sec. 2f.)

BECKER BROS.

Applicant claims ownership of Registrations Nos. 289,768, 287,947, and others.

For Fluid Milk, Cream, and Fresh Eggs.

Claims use since June 1914.

Ser. No. 603,422. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Sept. 11, 1950.

Bel-air

For Frozen Fresh Vegetables.

Claims use since July 8, 1950.

Ser. No. 604,652. Joseph Middleby Jr. Inc., Boston, Mass. Filed Oct. 9, 1950.

THIRST-AID

Applicant claims ownership of Registration No. 443,950.

For Fruit, Marshmallow, Butterscotch, Caramel, Fudge, and Crushed Walnut Sundae Toppings; Fruits and Sauces Used in the Preparation of Ice Cream; Fruit Flavors Used in the Making of Sherbets; Ice Cream Type Marshmallow and Hot Chocolate Powder.

Claims use since Nov. 17, 1921.

Ser. No. 604,962. Eppens, Smith Company, Inc., Long Island City, N. Y. Filed Oct. 16, 1950.

"Esco"

For Coffee.

Claims use since Jan. 1, 1936.

Ser. No. 605,616. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Oct. 30, 1950.

TRADER HORN

"Trader Horn" is fanciful and does not identify any living individual. Applicant claims ownership of Registration No. 531,195.

For Food Flavoring Extracts and Spices for Use in Home Cooking.

Claims use since Sept. 11, 1950.

Ser. No. 607,664. Duluth Universal Milling Company, Duluth, Minn. Filed Dec. 14, 1950.

High Line

For Wheat Flour.

Claims use since May 12, 1942.

Ser. No. 610,212. Green Giant Company, Le Sueur, Minn. Filed Feb. 17, 1951.

GREEN GIANT

Applicant claims ownership of Registrations Nos. 230,035, 275,788, and 286,422.

For Frozen Peas.

Claims use since Sept. 28, 1950.

Ser. No. 611,095. International Milling Company, Minneapolis, Minn. Filed Mar. 9, 1951. (Sec. 2f as to "Wells.")

WELLS
BAKERY FLOUR

The words "Bakery Flour" are disclaimed. Applicant claims ownership of Registration No. 69,030.

For Flour Made of Grain for Human Consumption.

Claims use since Jan. 26, 1951, on the mark as shown; and since Nov. 25, 1907, on the word "Wells."

Ser. No. 611,179. Frank Herfort Canning Co., Inc., Baraboo, Wis., assignor, by mesne assignments, to Circus Fruit Corporation, Sarasota, Fla., a corporation of Florida. Filed Mar. 12, 1951.

CIRCUS

Applicant claims ownership of Registration No. 92,795.

For Canned Citrus Products—Namely, Single Strength Canned Juice, Concentrated Citrus Juice, Frozen Citrus Juice, Sections of Citrus Fruits, Frozen Sections of Citrus Fruits, Citrus Preserves, Candied Citrus Fruit Peels, Jams, Jellies, and Marmalade Manufactured From Citrus Fruits, Frozen Citrus Concentrates, Fresh Citrus Fruits.

Claims use since Jan. 2, 1951.

Ser. No. 613,043. Bel Paese Sales Co. Inc., New York, N. Y. Filed Apr. 24, 1951.



For Cheese.

Claims use since Jan. 5, 1927.

Ser. No. 618,058. Southwest Food Products Co., Los Angeles, Calif. Filed Aug. 24, 1951.

BONNIE BRAE

Applicant claims ownership of Registration No. 267,472.

For Fruit Preserves, Fruit Jellies, and Orange Marmalade.

Claims use since Aug. 28, 1929.

Ser. No. 619,568. Converted Rice, Inc., Houston, Tex. Filed Oct. 4, 1951. (Sec. 2f.)

CONVERTED

Applicant claims ownership of Registration No. 428,294.

For Rice for Food.

Claims use since Oct. 28, 1942.

Ser. No. 620,019. Universal Mills, Fort Worth, Tex. Filed Oct. 15, 1951.

WA-MO

For Food for Hogs.
Claims use since May 31, 1928.

Ser. No. 620,314. Kellogg Company, Battle Creek, Mich. Filed Oct. 22, 1951.



The words "More Punch 'Til Lunch" are disclaimed.
For Cereal Breakfast Foods.
Claims use since June 1, 1951.

Ser. No. 620,904. Tar-Gon Products, Inc., Chicago, Ill. Filed Nov. 5, 1951.

NIXIE

For Chlorophyll Chewing Gum.
Claims use since October 1951.

Ser. No. 621,805. Bivar & Ca., Lda., Portimao, Portugal. Filed Nov. 29, 1951.

GUERREIRO

The mark "Guerreiro" means "warrior."
For Canned Fish.
Claims use since July 1924; and first used in commerce between foreign nations and the United States in July 1924.

Ser. No. 622,043. Staley Milling Company, North Kansas City, Mo. Filed Dec. 3, 1951.

Winterized

For Poultry Feed.
Claims use since Sept. 15, 1950.

Ser. No. 623,986. Schenley Distillers, Inc., New York, N. Y. Filed Jan. 23, 1952.

PEEROREP

For Feed for Poultry and Swine.
Claims use since June 20, 1951.

CLASS 47

WINES

Ser. No. 576,622. T. G. Bright & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Filed Apr. 5, 1949.

74

Applicant claims ownership of Canadian Registration No. N. S. 5728—Register 19, dated Dec. 5, 1935 (renewed Dec. 5, 1950).
For Wines.

Ser. No. 576,623. T. G. Bright & Co. Limited, Township of Stamford and Niagara Falls, Ontario, Canada. Filed Apr. 5, 1949.

Manor St Davids

For Wines.
Claims use since May 14, 1941, in Canada; and since Mar. 23, 1949, in commerce between Canada and the United States.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 534,411. Peter J. McGurk, assignee of Brewers' Best Associates, Inc., Elizabeth, N. J., assignor to Brewers' Best Inc. Filed Sept. 13, 1947.



The drawing is lined for the colors gold, red and green. The words "Brewers' Best," "Pilsener Beer" and "Premium" are disclaimed.
For Beer.
Claims use since Jan. 21, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 608,509. Mohawk Liqueur Corporation, Detroit, Mich. Filed Jan. 8, 1951.

Schnappskey

For Liqueur.
Claims use since Dec. 27, 1950.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 610,428. A. B. Dick Company, Niles, Ill. Filed Feb. 23, 1951.

MIMEOLITH

For Materials Used in Lithographic Printing—Namely, Lithographic Printing Plates and Offset Blankets.
Claims use since Oct. 27, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 559,610. International Latex Corporation, Dover, Del. Filed June 18, 1948.

Playtex

For Baby Oil, Baby Cream, and Baby Powder.
Claims use since Apr. 15, 1948.

Ser. No. 574,947. Associated Brands, Inc., Brooklyn, N. Y. Filed Mar. 5, 1949. (Sec. 2f.)

Běra

Applicant claims ownership of Registration No. 52,256.
For Face Lotion.
Claims use since June 15, 1895.

Ser. No. 602,333. Pinky Products, Inc., New York, N. Y. Filed Aug. 17, 1950.



The lining is to indicate pink.
For Liquid Nail Polish Remover.
Claims use since May 18, 1950.

Ser. No. 602,422. Nina Ricci, Inc., New York, N. Y. Filed Aug. 18, 1950.

NINA RICCI

The name "Nina Ricci" is the name of an individual located in Paris, France, associated with the applicant company, consent filed.
For Perfume.
Claims use since Mar. 3, 1936.

Ser. No. 606,469. H. Goodman & Sons, Inc., Jersey City, N. J., and New York, N. Y. Filed Nov. 16, 1950.

ONE STEP

For Hair Lotions.
Claims use since Nov. 1, 1950.

Ser. No. 609,470. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Feb. 1, 1951.

STRIKING

For Lipstick, Rouge, Face Powder, Body Powder, and Nailpolish.
Claims use since Jan. 3, 1951.

Ser. No. 611,317. Tattoo, Inc., New York, N. Y. Filed Mar. 14, 1951.

CORAL SEA

For Toilet Preparations, Perfumery, and Cosmetics—Namely, Perfume, Toilet Waters, Lipstick, Face Powder, Toilet Creams, Rouge, Mascara, and Nail Enamel.
Claims use since Dec. 31, 1946.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 592,251. Chemical Service of Baltimore, Baltimore, Md. Filed Feb. 10, 1950.

ZAM

For Liquid Chemical Concentrate for Washing Glassware and Dishes.
Claims use since Jan. 24, 1950.

Ser. No. 594,421. The Chemical Corporation, Springfield, Mass. Filed Mar. 1, 1950. (Sec. 2f.)

KEMSUDS

Applicant claims ownership of Registration No. 415,469.
For Powdered Hand Soap.
Claims use since Apr. 17, 1944.

SERVICE MARKS

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 528,943. Occidental Life Insurance Company of California, Los Angeles, Calif. Filed July 19, 1947.

JUNIOR ESTATE INSURANCE PLAN

The words "Insurance Plan" are disclaimed.
For Underwriting of Life Insurance.
Claims use since Oct. 1, 1944.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1946, PRINCIPAL REGISTER

559,491. Large Metal Tanks Adapted Primarily for Containing Organic Products To Be Treated or Tested. The Guardite Corporation, Chicago, Ill., assignor to Guardite Corporation, Wilmington, Del., a corporation of Delaware.
Filed July 29, 1947, Serial No. 529,891. Published Mar. 11, 1952. Class 2.

559,492. Bathroom Accessories and Fittings and Parts Therefor—Namely, Bathtubs, Water-Closets, Etc. Naamlooze Vennootschap Kristal-, Glas-en Aardewerkfabrieken "De Sphinx" Voorheen Petrus Regout & Co., Maastricht, Netherlands.
Filed Nov. 7, 1947, Serial No. 540,436. Published Mar. 4, 1952. Class 13.

559,493. Fresh Grapes. Mecca Growers Association, Mecca, Calif.
Filed Jan. 19, 1948, Serial No. 547,468. Published Jan. 9, 1951. Class 46.

559,494. Periodical Publications. Bulletin Company, Philadelphia, Pa.
Filed Mar. 9, 1948, Serial No. 551,520. Published Mar. 4, 1952. Class 38.

559,495. Asphaltic Sealing Composition for Concrete Burial Vaults. Wilbert W. Haase Co., Forest Park, Ill.
Filed Mar. 9, 1948, Serial No. 551,559. Published Feb. 12, 1952. Class 12.

559,496. Turn Shovels. The Empire Plow Company, Cleveland, Ohio.
Filed Mar. 15, 1948, Serial No. 551,957. Published Feb. 19, 1952. Class 23.

559,497. Baby Turkeys. Ralston Purina Company, St. Louis, Mo.
Filed May 14, 1948, Serial No. 557,068. Published Feb. 19, 1952. Class 1.

559,498. Adze Eye Hammer Handles, Ash Pit Scoops, Etc. Masback Incorporated, New York, N. Y.
Filed July 21, 1948, Serial No. 561,843. Published Feb. 26, 1952. Class 23.

559,499. Drill Chucks, Tapping Attachments, and Automatic Bar Stock Holding Chucks. American Machine and Foundry Company, New York, N. Y.
Filed Sept. 10, 1948, Serial No. 564,919. Published Jan. 29, 1952. Class 23.

559,500. Washtubs in the Form of Permanent Fixtures Connected to a Water System, Kitchen Sinks, Household Combination Sink and Tub Assembly. Paragon Utilities Corporation, New York and Brooklyn, N. Y.
Filed Sept. 2, 1948, Serial No. 565,297. Published Mar. 4, 1952. Class 13.

559,501. Cartons Made of Boxboard and Cardboard. The Lord Baltimore Press, Baltimore, Md.
Filed Oct. 23, 1948, Serial No. 567,525. Published Mar. 11, 1952. Class 2.

559,502. Sewing Machines and Attachments Therefor—Namely, Sewing Machine Motors, Sewing Machine Heads. Dewey B. Harrell, doing business as Harrell Sewing Machine Co., Wichita, Kans.
Filed Nov. 24, 1948, Serial No. 569,379. Published Jan. 15, 1952. Class 23.

559,503. Photographic Apparatus—Namely, Cameras; Camera Backs; Etc. Graflex, Inc., Rochester, N. Y.
Filed Dec. 28, 1948, Serial No. 571,210. Published Jan. 29, 1952. Class 26.

559,504. Spark Plug Cleaner and Tester of That Construction Embodying an Air-Sand Blast Cleaning Chamber, and a Pressurized Chamber Into Which the Spark Plugs May Be Screwed To Have the Electrode End Visible, Etc. Bowes "Seal-Fast" Corporation, Indianapolis, Ind.
Filed Feb. 9, 1949, Serial No. 573,526. Published Feb. 5, 1952. Class 26.

559,505. Fiction Story Magazine. Columbia Publications, Inc., New York, N. Y., and Holyoke, Mass.
Filed Feb. 17, 1949, Serial No. 574,017. Published Feb. 26, 1952. Class 38.

559,506. Metal Pans Useful in Baking and in the Preparation of Food Molds. United Aircraft Products, Inc., Dayton, Ohio.
Filed Feb. 19, 1949, Serial No. 574,171. Published Mar. 4, 1952. Class 13.

559,507. Women's and Misses' Suits, Coats, and Dresses. Lord's Sportwear, Inc., New York, N. Y.
Filed Mar. 10, 1949, Serial No. 575,216. Published Mar. 11, 1952. Class 39.

559,508. Fresh Dates. California Date Growers Association, Indio, Calif.
Filed Mar. 11, 1949, Serial No. 575,247. Published Sept. 5, 1950. Class 46.

559,509. Hog Feed and Overhead Conveyor Type Litter Carriers, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed Apr. 4, 1949, Serial No. 576,593. Published Feb. 19, 1952. Class 23.

559,510. Periodicals Published at Irregular Intervals. Barclay Manufacturing Company, Inc., New York, N. Y.
Filed Apr. 9, 1949, Serial No. 576,841. Published Feb. 26, 1952. Class 38.

559,511. Fresh Citrus Fruits. The Villa Park Orchards Association, Orange, Calif.
Filed Apr. 15, 1949, Serial No. 577,241. Published Mar. 11, 1952. Class 46.

559,512. Photographic Film for Displaying Patterns and Drawings. Madison H. Tracy, doing business under the assumed name of National Auto Glass Specifications, Detroit, Mich.
Filed May 5, 1949, Serial No. 578,297. Published Jan. 22, 1952. Class 26.

559,513. Wood Baskets, Garment Bags, Shelf Boxes (of Padded and Fabric-Covered Plywood or Decorated Metal, for Storage of Articles of Clothing and the Like), Etc. W. & J. Sloane, New York, N. Y.
Filed July 15, 1949, Serial No. 582,057. Published Mar. 11, 1952. Class 2.

559,514. Weather Measuring Instruments and Indicators—Namely, Anemoscopes, Anemometers, Mechanical Rain Measuring Devices in the Nature of Oscillating Rain Collecting Receptacles Connected to Counting Means for Measuring the Oscillations. Aaron Davis, Harwichport, Cape Cod, Mass.
Filed Aug. 19, 1949, Serial No. 583,679. Published Mar. 4, 1952. Class 26.

559,515. Drinking Glass Coasters Formed of Moulded Plastic Material. Bridgeport Moulded Products, Inc., Fairfield, Conn.
Filed Sept. 1, 1949, Serial No. 584,314. Published Mar. 11, 1952. Class 2.

559,516. Tools—Namely, Hammers, Pliers, Saws. Utility Tools Inc., New York, N. Y.
Filed Sept. 9, 1949, Serial No. 584,646. Published Mar. 4, 1952. Class 23.

559,517. Charts Used in Determining Sizes in the Fitting of Elastic Hosiery. Becton, Dickinson and Company, Rutherford, N. J.
Filed Oct. 20, 1949, Serial No. 586,584. Published Mar. 11, 1952. Class 38.

559,518. Dishes and Trays Made of Paper or Plastic. Paul S. Donchian, Hartford, Conn.
Filed Aug. 11, 1949, Serial No. 583,335. Published Mar. 18, 1952. Class 2.

559,519. Spring Clamps for Supporting Tools and Utensils. S & S Industries, Inc., New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,974. Published Mar. 11, 1952. Class 13.

559,520. Refillable Valved Metallic Tanks for Storage Purposes. Oaks & Barrow, Inc., Columbiana, Ohio, assignor to The Columbiana Boiler Company, Columbiana, Ohio, a corporation of Ohio.
Filed Nov. 22, 1949, Serial No. 588,180. Published Mar. 11, 1952. Class 2.

559,521. Water Proof and Moisture Proof Resealable Bags Made of Thermoplastic Sheet Material. Anchor Plastics Company, Inc., New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,263. Published Jan. 2, 1951. Class 2.

559,522. Refrigerator Deodorant in Block Form. Dudley L. Mason, doing business as Mason Products Company, Cincinnati, Ohio.
Filed Dec. 3, 1949, Serial No. 588,764. Published Mar. 11, 1952. Class 6.

559,523. Corrosion Resistant Coating. Petrolite Corporation, Ltd., Webster Groves, Mo.
Filed Dec. 3, 1949, Serial No. 588,767. Published Dec. 18, 1951. Class 16.

559,524. Automobile Exhaust Deflectors. Peters & Russell, Inc., Springfield, Ohio.
Filed Dec. 15, 1949, Serial No. 589,389. Published Feb. 19, 1952. Class 23.

559,525. Mink Pelts and Live Minks. Northwood Fur Farms, Cary, Ill.
Filed Dec. 16, 1949, Serial No. 589,464. Published Mar. 11, 1952. Class 1.

559,526. Rubber Patches for Pneumatic Inner Tubes for Tires. Bowes "Seal-Fast" Corporation, Indianapolis, Ind.
Filed Jan. 5, 1950, Serial No. 590,350. Published Mar. 4, 1952. Class 35.

559,527. Impregnated Pads for Testing for the Presence of Cold-Waving Solution in Cold-Waving Treatments. Artistic Beauty Products Company, Los Angeles, Calif.
Filed Mar. 13, 1950, Serial No. 593,855. Published Mar. 11, 1952. Class 6.

559,528. Slitting Wheel Assembly for Automatically Slitting Webs of Paper or Other Flexible Material. Cameron Machine Company, Brooklyn, N. Y.
Filed Mar. 17, 1950, Serial No. 594,100. Published Jan. 8, 1952. Class 23.

559,529. Dyes and Dyestuffs. Althouse Chemical Company, Inc., Reading, Pa.
Filed Mar. 27, 1950, Serial No. 594,680. Published Mar. 11, 1952. Class 6.

559,530. Periodical Publication in the Form of a Magazine. Peter B. Martin, New York, N. Y.
Filed Mar. 27, 1950, Serial No. 594,720. Published Feb. 26, 1952. Class 38.

559,531. Starch for Preparation of Adhesives for Use in Corrugated Paper Board Manufacture. Clinton Foods Inc., Clinton, Iowa.
Filed Mar. 29, 1950, Serial No. 594,831. Published Mar. 11, 1952. Class 6.

559,532. Conduits Made of Polymeric Material Such as, Polyethylene, Cellulose Acetate, Cellulose Acetate Butyrate, Co-Polymerized Vinyls, Polystyrene, and Copolymers Thereof. Carter Products Corporation, Cleveland, Ohio, now by change of name Carlon Products Corporation.
Filed Apr. 7, 1950, Serial No. 595,358. Published Mar. 4, 1952. Class 13.

559,533. Liquid, Plastic Base, Filler for Application to Porous Surfaces (e. g. Concrete, Asphalt) To Unify and "Fill" the Same To Provide Improved Base for Adhering Sheet Material. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Apr. 7, 1950, Serial No. 595,387. Published Feb. 19, 1952. Class 12.

559,534. Viscous Composition Used in Preserving and Extending the Useful Life of Wooden Poles, Cut Timber, and the Like. William A. Cunningham, doing business as The Pentaplastic Company, Allentown, Pa.
Filed Apr. 26, 1950, Serial No. 596,332. Published Mar. 11, 1952. Class 6.

559,535. Fluid Milk. City Milk Company, Inc., Maspeth, N. Y.
Filed May 4, 1950, Serial No. 596,835. Published Apr. 10, 1951. Class 46.

559,536. Face Powders. Germaine Monteil Cosmetiques Corporation, New York, N. Y.
Filed May 5, 1950, Serial No. 596,910. Published Feb. 12, 1952. Class 51.

559,537. Candy Cigarettes. Sylvan Sweets Co., Easton, Pa.
Filed May 5, 1950, Serial No. 596,957. Published Feb. 26, 1952. Class 46.

559,538. Men's and Women's Sweaters and Women's Skirts. Lyle & Scott Ltd., Hawick, Scotland.
Filed Apr. 7, 1950, Serial No. 597,036. Published Mar. 11, 1952. Class 39.

559,539. Ladies' Lingerie—Namely, Slips, Panties, Nightgowns, Pajamas and Negligees, Hosiery, and Brassières. Bernhard Schön, Potts Point, Sydney, New South Wales, Australia.
Filed May 10, 1950, Serial No. 597,234. Published Mar. 11, 1952. Class 39.

559,540. Shampoos. Eugène Schueller, Paris (Seine), France.
Filed May 11, 1950, Serial No. 597,934. Published Feb. 19, 1952. Class 52.

559,541. Dinnerware, Tableware, Kitchenware, Dishes, Urns, Cereal Sets, Bowls, and Vases, Made of China, Crockery, Porcelain, Earthenware, and Ceramic Materials. L. Batlin & Son, Inc., New York, N. Y.
Filed June 3, 1950, Serial No. 598,519. Published Jan. 22, 1952. Class 30.

559,542. Pneumatic Horns. Howard Foundry Company, Chicago, Ill.
Filed June 8, 1950, Serial No. 598,797. Published Jan. 8, 1952. Class 23.

559,543. Cheese. New Yorker Cheese Company, Philadelphia, Pa.
Filed June 8, 1950, Serial No. 598,805. Published Apr. 10, 1951. Class 46.

559,544. Preparation of Hypophosphites Used for Appetite Stimulation and as a General Tonic. Fellows Medical Manufacturing Company, Inc., New York, N. Y.
Filed June 13, 1950, Serial No. 598,991. Published Jan. 15, 1952. Class 18.

559,545. Sterling Silver Flatware and Hollowware. The Ellmore Silver Co., Inc., Meriden, Conn.
Filed June 20, 1950, Serial No. 599,425. Published Jan. 22, 1952. Class 28.

559,546. Monthly Magazine. Macfadden Publications, Inc., New York, N. Y.
Filed June 27, 1950, Serial No. 599,832. Published Feb. 26, 1952. Class 38.

559,547. Hosiery, for Men, Women, Boys, and Girls. Getzel Sales Company, New York, N. Y.
Filed June 29, 1950, Serial No. 599,940. Published Mar. 11, 1952. Class 39.

559,548. Hand-Operated Tire Pumps. Chase Brass & Copper Co. Incorporated, Waterbury, Conn.
Filed July 8, 1950, Serial No. 600,371. Published Feb. 19, 1952. Class 23.

559,549. Rat Repellent. S. A. Seline, doing business under the trade name of Seaver Company, Omaha, Nebr.
Filed July 10, 1950, Serial No. 600,451. Published Mar. 11, 1952. Class 6.

559,550. Soapless Cleansing Preparation Specially Adapted for Use in Washing Dishes. Panther Oil & Grease Mfg. Co., Fort Worth, Tex.
Filed July 14, 1950, Serial No. 600,689. Published Feb. 26, 1952. Class 52.

559,551. Soapless Cleansing Preparation Specially Adapted for Use in Washing Dishes. Panther Oil & Grease Mfg. Co., Fort Worth, Tex.
Filed July 14, 1950, Serial No. 600,690. Published Feb. 26, 1952. Class 52.

559,552. Crystalline Chemical Preparations for Use in Cosmetic Creams To Inhibit Growth of Mold. Aktiebolaget Bofors, Bofors, Sweden.
Priority under Sec. 44(d). Swedish Registration No. 67,951, dated Mar. 24, 1950.
Filed July 20, 1950, Serial No. 600,939. Published Feb. 19, 1952. Class 51.

559,553. Men's, Women's, and Children's Underwear. Walter W. Moyer Company, Ephrata, Pa.
Filed July 31, 1950, Serial No. 601,508. Published Mar. 11, 1952. Class 39.

559,554. Plastic Film Receptacles—Namely, Hosiery Bags, Blanket Bags, Food Bags, Etc. Plastic Film Products Corporation, Akron, Ohio.
Filed Aug. 8, 1950, Serial No. 601,945. Published Mar. 11, 1952. Class 2.

559,555. Plastic Film Receptacles—Namely, Hosiery Bags, Blanket Bags, Etc. Plastic Film Products Corporation, Akron, Ohio.
Filed Aug. 8, 1950, Serial No. 601,946. Published Mar. 11, 1952. Class 2.

559,556. Mathematical Computing Devices of the Nature of a Slide Rule, for Making Computations Required in the Mechanical Correction of Weighing Scales. Knut A. Blom, Lakewood, Ohio.
Filed Aug. 15, 1950, Serial No. 602,189. Published Jan. 22, 1952. Class 26.

559,557. Artificial Teeth. H. D. Justi & Son, Inc., Philadelphia, Pa.
Filed Aug. 15, 1950, Serial No. 602,203. Published Mar. 11, 1952. Class 44.

559,558. Artificial Teeth. H. D. Justi & Son, Inc., Philadelphia, Pa.
Filed Aug. 15, 1950, Serial No. 602,204. Published Mar. 11, 1952. Class 44.

559,559. Cabinet Hardware—Namely, Door Knobs, Etc. Washington Steel Products Inc., Tacoma, Wash.
Filed Aug. 18, 1950, Serial No. 602,533. Published Mar. 4, 1952. Class 13.

559,560. General Purpose Household Cleaner. Church & Dwight Co., Inc., New York and Syracuse, N. Y.
Filed Aug. 24, 1950, Serial No. 602,674. Published Feb. 26, 1952. Class 52.

559,561. Machines With Which To Wrap Cylindrical Objects With Material in Tape Form. A. E. Betzel Engineering Company, Arlington, Tex.
Filed Aug. 22, 1950, Serial No. 602,731. Published Jan. 8, 1952. Class 23.

559,562. X-Ray Apparatus, and More Particularly a Control Panel or Cabinet Provided With Various Control Switches, Push Buttons, and the Like. Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md.
Filed Aug. 25, 1950, Serial No. 602,791. Published Mar. 4, 1952. Class 26.

559,563. Pitch, Tar, and Asphalt; Asphaltic and Tarry Materials for Compounding Rubber and Saturating Fabrics; and Raw or Partly Prepared Coal Tar Bases; Coal Tar Oils and Tar Acid Oils. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Aug. 29, 1950, Serial No. 602,872. Published Feb. 19, 1952. Class 1.

559,564. Pocket Knives, Hunting Knives, Meat, Fruit, and Butter Knives, Paper Cutters. William Spratling, Taxco, Guerrero, Mexico.
Filed Jan. 10, 1951, Serial No. 602,922. Published Jan. 8, 1952. Class 23.

559,565. Composition of Amphetamine Hydrochloride, Etc. Vitamix Corporation, Philadelphia, Pa.
Filed Aug. 31, 1950, Serial No. 603,031. Published Jan. 15, 1952. Class 18.

559,566. Dill Pickles—Namely, Processed Dill Pickles, Fresh Packed Dill Pickles and Gherkins, Dill Pickle Chips and Dill Relish; Etc. The Silver Lane Pickle Company, East Hartford, Conn.
Filed Sept. 1, 1950, Serial No. 603,084. Published Mar. 11, 1952. Class 46.

559,567. Deodorant and Air Freshener. The Janalyn Laboratories, Inc., Worcester, Mass.
Filed Sept. 6, 1950, Serial No. 603,193. Published Mar. 11, 1952. Class 6.

559,568. Compound for Removing Rust and Scale From Radiators and for Inhibiting and Removing Rust From Engine Cooling Systems. Bowes "Seal-Fast" Corporation, Indianapolis, Ind.
Filed Sept. 12, 1950, Serial No. 603,434. Published Oct. 30, 1951. Class 52.

559,569. Bottle Washing Compound in Powdered Form and Sold in Bulk Containers for Commercial and Industrial Use. The Diversey Corporation, Chicago, Ill.
Filed Sept. 13, 1950, Serial No. 603,476. Published Mar. 11, 1952. Class 52.

559,570. Vacuum Gauges and Recording Vacuum Gauges. F. J. Stokes Machine Company, Philadelphia, Pa.
Filed Sept. 14, 1950, Serial No. 603,559. Published Mar. 4, 1952. Class 26.

559,571. Coin Controlled, Electrically Operated Vending Machines for Vending Liquid Food Products in Measured Quantities. Chef-Way, Inc., Kansas City, Mo.
Filed Sept. 18, 1950, Serial No. 603,663. Published Jan. 8, 1952. Class 23.

559,572. Finely Divided Abrasive Materials To Be Projected Against the Surface of Various Objects, While Suspended in a Liquid Medium, for Cleaning, Finishing, Cutting, and Carving Same. Pangborn Corporation, Hagerstown, Md.
Filed Sept. 21, 1950, Serial No. 603,850. Published Feb. 26, 1952. Class 4.

559,573. Buffing Wheels and Buffing Wheel Sections. Duluth Buff Company, Chicago, Ill.
Filed Sept. 29, 1950, Serial No. 604,193. Published Mar. 4, 1952. Class 4.

559,574. Sausage. Armour and Company, doing business under the trade style Jacob E. Decker & Sons, Chicago, Ill.
Filed Sept. 30, 1950, Serial No. 604,251. Published Mar. 11, 1952. Class 46.

559,575. Men's Clothing—Namely, Raincoats. Roger Kent, Inc., New York, N. Y., Philadelphia, Pa., New Haven, Conn., and Cambridge and Boston, Mass.
Filed Oct. 2, 1950, Serial No. 604,305. Published Mar. 11, 1952. Class 39.

559,576. Aluminum Cook-Ware and Gift-Ware—Namely, Large Pot and Cover, Etc. The Enterprise Aluminum Company, Massillon, Ohio.
Filed Oct. 13, 1950, Serial No. 604,843. Published Mar. 11, 1952. Class 13.

559,577. Household Cleaning Cream for Cleaning Painted and Varnished Surfaces, Woodwork, Walls, Linoleum, Tile, Venetian Blinds, and for Cleaning the Hands. Florence M. Hardman, doing business under the name and style of N-Act Company, Chicago, Ill.
Filed Oct. 18, 1950, Serial No. 605,096. Published Feb. 26, 1952. Class 52.

559,578. Monthly Publication. The Photographers' Association of America, Wilmington, Del., and Toledo, Ohio.
Filed Sept. 21, 1950, Serial No. 605,278. Published Mar. 4, 1952. Class 38.

559,579. Cleaning Material for Removing Wax and Dirt From Painted, Enamelled or Varnished Surfaces of Furniture, Etc. The Danbury Rubber Company, Inc., Danbury, Conn.
Filed Oct. 23, 1950, Serial No. 605,300. Published Mar. 11, 1952. Class 52.

559,580. Crankshaft Finishing Machines and Parts Thereof. Storm-Vulcan, Inc., Dallas, Tex.
Filed Oct. 28, 1950, Serial No. 605,563. Published Mar. 11, 1952. Class 23.

559,581. Liver and Bacon Sausage, Braunschweiger, and Gee Liverwurst. Weisel & Co., Inc., doing business under the name Weisel & Co., Milwaukee, Wis.
Filed Oct. 30, 1950, Serial No. 605,621. Published Mar. 11, 1952. Class 46.

559,582. Cutting Tools for Use in Woodworking and Metal Working Machines, Cutting Tool Tips, Cutting Tool Tip Blanks, Rock Drills, Coal Cutter Bits and Wire Drawing Dies, All for Use in Machines. Edibrac Limited, Broadheath, Cheshire, England.
Filed Oct. 31, 1950, Serial No. 605,650. Published Feb. 19, 1952. Class 23.

559,583. Silicone Base Cleaning Wax Preparation for Use in Removing Dust, Dirt, and Smudges From Glass or Plastic Surfaces, Such as Television Screens, Windows, Mirrors, Plastic Clocks, Radios, and the Like. Jetron Company, Milwaukee, Wis.
Filed Nov. 1, 1950, Serial No. 605,745. Published Feb. 26, 1952. Class 52.

559,584. Waxes for Polishing Floor, Wall, Table, and Shelf Coverings. The Danbury Rubber Company, Inc., Danbury, Conn.
Filed Nov. 7, 1950, Serial No. 605,998. Published Mar. 11, 1952. Class 4.

559,585. Threading Dies. The Ridge Tool Company, Elyria, Ohio.
Filed Nov. 7, 1950, Serial No. 606,052. Published Jan. 8, 1952. Class 23.

559,586. Men's, Women's, Children's and Infants' Wearing Apparel—Namely, Socks and Stockings, Etc. Stevens & Pedley Limited, Nottingham, England.
Filed Nov. 7, 1950, Serial No. 606,059. Published Mar. 11, 1952. Class 39.

559,587. Cologne Essence. Frances Denney, Philadelphia, Pa.
Filed Nov. 9, 1950, Serial No. 606,137. Published Feb. 19, 1952. Class 51.

559,588. Monthly Magazine. William Stevens, Ltd., London, England.
Filed Nov. 15, 1950, Serial No. 606,444. Published Feb. 26, 1952. Class 38.

559,589. Travel Booklets Issued in a Series. Trip Teaser Productions, Nevada City, Calif.
Filed Nov. 17, 1950, Serial No. 606,558. Published Feb. 26, 1952. Class 38.

559,590. Burlap and Cotton Grain and Feed Storage Bags. Penn Bag & Burlap Company, Pittsburgh, Pa.
Filed Nov. 17, 1950, Serial No. 606,565. Published Mar. 11, 1952. Class 2.

559,591. Men's, Women's, Boys', and Girls' Hosiery. Chester H. Roth Co., Inc., New York, N. Y.
Filed Nov. 25, 1950, Serial No. 606,952. Published Mar. 11, 1952. Class 39.

559,592. Men's, Women's, Boys', and Girls' Hosiery. Chester H. Roth Co., Inc., New York, N. Y.
Filed Nov. 25, 1950, Serial No. 606,953. Published Mar. 11, 1952. Class 39.

559,593. Men's, Women's, Boys', and Girls' Hosiery. Chester H. Roth Co., Inc., New York, N. Y.
Filed Nov. 25, 1950, Serial No. 606,954. Published Mar. 11, 1952. Class 39.

559,594. Men's, Women's, Boys', and Girls' Hosiery. Chester H. Roth Co., Inc., New York, N. Y.
Filed Nov. 25, 1950, Serial No. 606,955. Published Mar. 11, 1952. Class 39.

559,595. Butter Spreader Fabricated From Metal and Comprising a Receptacle and a Buttering Roller Journaled Therein. Restaurant Products, Springfield, Ill.
Filed Nov. 27, 1950, Serial No. 606,981. Published Jan. 1, 1952. Class 23.

559,596. Prepared Mustard. Charles Boubli, Paris, France.
Filed Dec. 1, 1950, Serial No. 607,154. Published Mar. 11, 1952. Class 46.

559,597. Salad Dressing. G. P. Gundlach & Co., Inc., Cincinnati, Ohio.
Filed Dec. 4, 1950, Serial No. 607,250. Published Feb. 26, 1952. Class 46.

559,598. Internal Combustion Engine Operation and Efficiency Indicator, Etc. Alemite Company of Southern California, Los Angeles, Calif., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia.
Filed Dec. 5, 1950, Serial No. 607,276. Published Mar. 4, 1952. Class 26.

559,599. Toothpaste. Greater Enterprises Co., Spartanburg, S. C.
Filed Dec. 7, 1950, Serial No. 607,385. Published Feb. 19, 1952. Class 51.

559,600. Ham, Pork Shoulder Picnic, Pork Shoulder Butt, Bacon, Canadian Style Bacon, Dried Beef, Smoked Beef Tongue, Lamb, Pork Sausages, Etc. The Rath Packing Company, Waterloo, Iowa.
Filed Nov. 18, 1950, Serial No. 607,528. Published Mar. 11, 1952. Class 46.

559,601. Medicinal Preparation Consisting of Tankage, Soybean Oil Meal, Ground Yellow Corn, Cane Molasses, and Sodium Fluoride for the Elimination of Roundworms From Pigs and Hogs. Staley Milling Company, North Kansas City, Mo.
Filed Dec. 18, 1950, Serial No. 607,881. Published Jan. 15, 1952. Class 18.

559,602. Slide Rules. Acu-Rule Manufacturing Company, St. Louis, Mo.
Filed Dec. 26, 1950, Serial No. 608,051. Published Mar. 4, 1952. Class 26.

559,603. Hosiery and Slippers for Women and Girls. Butler's, Inc., Atlanta, Ga.
Filed Dec. 26, 1950, Serial No. 608,056. Published Mar. 11, 1952. Class 39.

559,604. Knife for Paring Human Corns. Raymond F. Pendergast, Chicago, Ill.
Filed Jan. 2, 1951, Serial No. 608,286. Published Mar. 11, 1952. Class 44.

559,605. Thermally Operated Switches. W. N. Matthews Corporation, St. Louis, Mo.
Filed Jan. 3, 1951, Serial No. 608,319. Published Feb. 26, 1952. Class 26.

559,606. Thermally Operated Switches. W. N. Matthews Corporation, St. Louis, Mo.
Filed Jan. 4, 1951, Serial No. 608,366. Published Feb. 26, 1952. Class 26.

559,607. Aluminum, Copper, and Steel Cooking Utensils—Namely, Pots, Pans, Kettles, Skillets, Roasters, Broilers, Griddles, Coffee Makers, Tea Kettles, Egg Poachers, French Fryers, Dutch Ovens, and Pressure Cookers; and Serving Humidors for Keeping Sandwiches, Cake, and Similar Foods Fresh; Pitchers, Tumblers, Coasters, Cocktail Shakers, Corn Poppers, Trays, Bowls, Ring Molds, and Colanders. West Bend Aluminum Co., West Bend, Wis.
Filed Jan. 4, 1951, Serial No. 608,391. Published Mar. 4, 1952. Class 13.

559,608. Advertising Displays Known to the Trade as Point-of-Sale Advertising Material Sold as Such. Berger-Amour Studios, Chicago, Ill.
Filed Jan. 5, 1951, Serial No. 608,406. Published Mar. 4, 1952. Class 38.

559,609. Rockwool Insulation, Finish Lime, Wood Window Units, Steel Windows, Wallboards, Face Brick, and Fire Brick. Quality Materials Company, Buffalo, N. Y.
Filed Jan. 6, 1951, Serial No. 608,474. Published Feb. 19, 1952. Class 12.

559,610. Stockings and Socks for Men, Women, Boys, and Girls. Keystone Knitting Mills (1928) Limited, Elstree, England.
Filed Jan. 9, 1951, Serial No. 608,550. Published Mar. 11, 1952. Class 39.

559,611. Dispensing Closures for Sterile Liquid Containers. Mead Johnson & Company, Evansville, Ind.
Filed Jan. 15, 1951, Serial No. 608,798. Published Mar. 11, 1952. Class 44.

559,612. Concrete Gravel Mix. The Carney Company, Inc., Mankato, Minn.
Filed Jan. 17, 1951, Serial No. 608,859. Published Feb. 12, 1952. Class 12.

559,613. Buffs and Buffing Wheels. Advance Polishing Wheels, Inc., Chicago, Ill.
Filed Jan. 18, 1951, Serial No. 608,906. Published Mar. 11, 1952. Class 4.

559,614. High Pressure Distillate and Gas Separators for Use on High Pressure Well Streams Having High Gas-Oil Ratios. National Tank Company, Tulsa, Okla.
Filed Jan. 22, 1951, Serial No. 609,095. Published Feb. 26, 1952. Class 23.

559,615. Newspaper and Magazine Copy Material—Namely, Editorials, Feature Articles, Syndicated Columns and Comics, and Translations Thereof. Editors Press Service, Inc., New York, N. Y.
Filed Jan. 30, 1951, Serial No. 609,402. Published Feb. 26, 1952. Class 38.

559,616. Women's Hosiery. M. K. M. Hosiery Mills, Inc., Boston, Mass.
Filed Feb. 1, 1951, Serial No. 609,489. Published Mar. 11, 1952. Class 39.

559,617. Bits for Drilling Wells. Thomas A. White, doing business as The Pioneer Welding-Bit Works, Quanah, Tex.
Filed Feb. 5, 1951, Serial No. 609,671. Published Jan. 8, 1952. Class 23.

559,618. Live Line Ammeter. E. O. Schweitzer Manufacturing Co., Inc., Northbrook, Ill.
Filed Feb. 6, 1951, Serial No. 609,703. Published Jan. 22, 1952. Class 26.

559,619. Plumbing Equipment and Parts Thereof, as Well as Fittings Therefor, Etc. American Sanitary Manufacturing Company, Abingdon, Ill.
Filed Feb. 7, 1951, Serial No. 609,710. Published Mar. 4, 1952. Class 13.

559,620. Beverage Brewers—Namely, Coffee and Tea Makers. Earle F. Hiscock, Washington, D. C., and New York, N. Y.
Filed Feb. 19, 1951, Serial No. 610,270. Published Mar. 4, 1952. Class 13.

559,621. Wheat Flour. Standard Milling Company, Chicago, Ill.
Filed Mar. 1, 1951, Serial No. 610,719. Published Feb. 26, 1952. Class 46.

559,622. Glassware for Table, Culinary, Household, and Decorative Purposes, the Latter Being Vases, Urns, Flower Bowls, Epergne Sets, and Handled Baskets. Imperial Glass Corporation, Bellaire, Ohio.
Filed Mar. 5, 1951, Serial No. 610,846. Published Jan. 22, 1952. Class 33.

559,623. Glassware for Table, Culinary, Household, and Decorative Purposes, the Latter Being Vases, Urns, Flower Bowls, Epergne Sets, and Handled Baskets. Imperial Glass Corporation, Bellaire, Ohio.
Filed Mar. 5, 1951, Serial No. 610,847. Published Jan. 22, 1952. Class 33.

559,624. Electrodes for Metal Plating. Knapp Mills Incorporated, Long Island City, N. Y.
Filed Mar. 8, 1951, Serial No. 611,031. Published Feb. 26, 1952. Class 14.

559,625. Pinking Shears, Scissors, Cutlery Knives, Hair Clippers, Carving Knives and Forks, Razor Blades, and Razors. L. Batlin & Son, Inc., New York, N. Y.
Filed Mar. 22, 1951, Serial No. 611,633. Published Feb. 5, 1952. Class 23.

559,626. Work Gloves Made of Fabric Material. Davids Gloves, Inc., Springfield, Ohio.
Filed Apr. 11, 1951, Serial No. 612,486. Published Mar. 11, 1952. Class 39.

559,627. Syndicated Newspaper Feature. Fritz Wilkinson, Point Lookout, N. Y.
Filed Apr. 17, 1951, Serial No. 612,780. Published Mar. 4, 1952. Class 38.

559,628. Cord for Vehicle Tires. The Dayton Rubber Company, Dayton, Ohio.
Filed Apr. 24, 1951, Serial No. 613,051. Published Mar. 11, 1952. Class 7.

559,629. Gauge Operating Electrically To Indicate the Moisture Content of Fluid for Semi-Fluid Masses. Reinhart & Company, Hanford, Calif.
Filed Apr. 24, 1951, Serial No. 613,085. Published Jan. 22, 1952. Class 26.

559,630. Tools—Namely, Pliers, Hammers, and Drawer Shavers. Palmer Wellock Tool Corporation, Meadville, Pa.
Filed Apr. 30, 1951, Serial No. 613,343. Published Feb. 5, 1952. Class 23.

559,631. Pallets. Southern Lumber & Manufacturing Co., Ellijay, Ga.
Filed May 4, 1951, Serial No. 613,531. Published Mar. 11, 1952. Class 50.

559,632. Metal Clips To Mount Tile, Plank, and Panel Forms of Interior Decorative Fibrous Insulation Board in Walls and Ceilings. Wood Conversion Company, St. Paul, Minn.
Filed May 8, 1951, Serial No. 613,660. Published Mar. 11, 1952. Class 13.

559,633. Cotton Garments Especially Adapted for Hospital Use, Etc. Will Ross, Inc., Milwaukee, Wis.
Filed May 11, 1951, Serial No. 613,782. Published Mar. 11, 1952. Class 44.

559,634. Newspaper Column. New York Herald Tribune Inc., New York, N. Y.
Filed May 14, 1951, Serial No. 613,853. Published Feb. 26, 1952. Class 38.

559,635. Antiseptic Rubefacient (for Massaging and as a Palliative for Minor Cuts and Bruises, Skin Irritations, Etc.) Bigelow-Clark, Inc., New York, N. Y.
Filed May 17, 1951, Serial No. 613,967. Published Jan. 15, 1952. Class 18.

559,636. Penicillin Salt. Commercial Solvents Corporation, New York, N. Y.
Filed May 17, 1951, Serial No. 613,972. Published Jan. 15, 1952. Class 18.

559,637. Anesthetic. Cook-Waite Laboratories, Inc., New York, N. Y.
Filed May 18, 1951, Serial No. 614,041. Published Jan. 15, 1952. Class 18.

559,638. Stabilizers for Ice Cream. Swift & Company, Chicago, Ill.
Filed May 18, 1951, Serial No. 614,071. Published Mar. 11, 1952. Class 46.

559,639. Eye-Glass Frames and the Containers or Receptacles for Such Eye-Glass Frames. American Zyloptic Co., Inc., New York, N. Y.
Filed May 19, 1951, Serial No. 614,077. Published Feb. 12, 1952. Class 26.

559,640. Greeting Cards, Christmas Cards, Birth Announcements, Birthday Cards. Sears, Roebuck and Co., Chicago, Ill.
Filed May 19, 1951, Serial No. 614,108. Published Feb. 26, 1952. Class 38.

559,641. Adrenocorticotropic Compositions. Armour and Company, Chicago, Ill.
Filed May 21, 1951, Serial No. 614,126. Published Jan. 15, 1952. Class 18.

559,642. Series of Newspaper Cartoons. The Times-Mirror Company, Los Angeles, Calif.
Filed May 21, 1951, Serial No. 614,176. Published Feb. 26, 1952. Class 38.

559,643. Series of Newspaper Cartoons. The Times-Mirror Company, Los Angeles, Calif.
Filed May 21, 1951, Serial No. 614,177. Published Feb. 26, 1952. Class 38.

559,644. Aircraft Instruments—Namely, Fuel Quantity Gauge, Cylinder Head Temperature Indicator, Exhaust Gas Thermometer, and Jet Engine Thrust Indicator. Aviation Engineering Corporation, Woodside, N. Y.
Filed May 23, 1951, Serial No. 614,235. Published Mar. 4, 1952. Class 26.

559,645. Monthly Periodical Containing Product Market Analyses. General Teleradio, Inc., Carteret, N. J.
Filed May 24, 1951, Serial No. 614,297. Published Feb. 26, 1952. Class 38.

559,646. Tools—Namely, Lathe Tools, Roughing Tools, Planing Tools, Etc. Aktiebolaget Bofors, Bofors, Sweden.
Filed May 25, 1951, Serial No. 614,328. Published Mar. 4, 1952. Class 23.

559,647. Fire Retardants. American Cyanamid Company, New York, N. Y.
Filed May 25, 1951, Serial No. 614,329. Published Mar. 11, 1952. Class 6.

559,648. Razor Blades. Institutional Products Corporation, New York, N. Y.
Filed May 25, 1951, Serial No. 614,349. Published Mar. 11, 1952. Class 23.

559,649. Combination Coaster and Snack Plates of Plastic Material. Alexander-Wilson Co., Pasadena, Calif.
Filed May 26, 1951, Serial No. 614,394. Published Mar. 11, 1952. Class 2.

559,650. Diagnostic Kits—Namely, Reagent Tablets for Urine Sugar, Albumin, Occult Blood and Ketone Bodies, Color Scales, Medicine Droppers, Test Tubes, and Plastic Containers Therefor. Ames Company, Inc., Elkhart, Ind.
Filed May 28, 1951, Serial No. 614,418. Published Jan. 22, 1952. Class 26.

559,651. Hosiery for Men, Women, Boys, and Girls. Chas. Chipman's Sons Co., Inc., New York, N. Y.
Filed May 29, 1951, Serial No. 614,489. Published Mar. 11, 1952. Class 39.

559,652. Rosin. Dixie Pine Products Company, Inc., Hattiesburg, Miss.
Filed May 29, 1951, Serial No. 614,495. Published Mar. 11, 1952. Class 1.

559,653. Table Pads. Garten Table Pad Company, Inc., Philadelphia, Pa.
Filed May 29, 1951, Serial No. 614,499. Published Mar. 11, 1952. Class 50.

559,654. Newspaper Column or Columns. Fairchild Publications, Inc., New York, N. Y.
Filed May 31, 1951, Serial No. 614,546. Published Mar. 4, 1952. Class 38.

559,655. Coffee. Wakefield Coffee Co. of California, doing business under the name of Wakefield Coffee Co., Glendale, Calif.
Filed June 1, 1951, Serial No. 614,640. Published Mar. 11, 1952. Class 46.

559,656. Ground Beef Extender Consisting of Soy Flour, Whole Wheat Flour, Milk Powder, Brewers' Yeast, Sugar Cane Molasses, and Corn Glucose. William Spencer Bowen, doing business under the name of Bowen & Company, Westfield, N. J.
Filed June 5, 1951, Serial No. 614,747. Published Mar. 11, 1952. Class 46.

559,657. Brake Shoe Grinders, Valve Tappet Grinders, Valve Tappet Screw Grinders, Valve Lifter Grinders, Brake Piston Injectors, and Rocker Arm Grinders. Ammco Tools, Inc., North Chicago, Ill.
Filed June 9, 1951, Serial No. 614,979. Published Mar. 4, 1952. Class 23.

559,658. Greeting Cards and Printed Wall Calendars Made of Paper. Charles F. Sormani, New York, N. Y.
Filed June 9, 1951, Serial No. 614,997. Published Feb. 26, 1952. Class 38.

559,659. Periodical Published in the Spanish Language. The Christian Science Publishing Society, Boston, Mass.
Filed June 16, 1951, Serial No. 615,269. Published Feb. 26, 1952. Class 38.

559,660. Blood Testing Apparatus for Determining Haemoglobin Content, the Number of Red and White Cells, and the Mean Diameter of Red Cells. Morris Instrument Corporation, New York, N. Y., assignor to Haemoscope Corporation, New York, N. Y.
Filed June 18, 1951, Serial No. 615,339. Published Feb. 12, 1952. Class 26.

559,661. Rope and Lines Manufactured From Vegetable Fiber. American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y.
Filed June 20, 1951, Serial No. 615,432. Published Mar. 11, 1952. Class 7.

559,662. Calculating Apparatus—Namely, Induction Potentiometers, Electrical Resolvers, Mechanical Differentials, and Parts Therefor. Arma Corporation, Brooklyn, N. Y.
Filed June 20, 1951, Serial No. 615,435. Published Feb. 26, 1952. Class 26.

559,663. Women's and Misses' Lingerie—Namely, Ladies' and Misses' Nightgowns, Petticoats, and Slips. Juliana Lingerie, Inc., New York, N. Y.
Filed June 20, 1951, Serial No. 615,455. Published Mar. 11, 1952. Class 39.

559,664. Medicinal Pellet Implanter. Wyeth Incorporated, Philadelphia, Pa.
Filed June 20, 1951, Serial No. 615,470. Published Mar. 11, 1952. Class 44.

559,665. Newspaper Published Every Day Except Sundays and Holidays. William B. Collins Company, Gloversville and Johnstown, N. Y.
Filed June 21, 1951, Serial No. 615,481. Published Feb. 26, 1952. Class 38.

559,666. Newspaper Published Every Morning Except Sundays and Legal Holidays. William B. Collins Company, Gloversville and Johnstown, N. Y.
Filed June 21, 1951, Serial No. 615,482. Published Feb. 26, 1952. Class 38.

559,667. Blocks With Abrasive Surface for Sanding. Black Panther Tool Company, Philadelphia, Pa.
Filed June 26, 1951, Serial No. 615,677. Published Mar. 11, 1952. Class 4.

559,668. Misses' and Women's Dresses. Boris Smoler & Sons, Inc., Chicago, Ill.
Filed June 28, 1951, Serial No. 615,861. Published Mar. 11, 1952. Class 39.

559,669. Chemical Blowing Agent for Rubber. United States Rubber Company, New York, N. Y.
Filed June 28, 1951, Serial No. 615,865. Published Mar. 11, 1952. Class 6.

559,670. Mechanical and Electrical Machine Into Which Data Is Fed and Which Digests Said Data and Renders an Answer in English and in Numerals on a Typewriter Which the Machine Operates. Telecomputing Corporation, Burbank, Calif.
Filed June 29, 1951, Serial No. 615,914. Published Feb. 12, 1952. Class 26.

559,671. Series of Motion Picture Photoplays. Walter Lantz Productions, Inc., Hollywood, Calif.
Filed July 2, 1951, Serial No. 615,984. Published Jan. 22, 1952. Class 26.

559,672. Preparation for Increasing Penetration and Detergency Action in Wet-Cleaning and Laundering. Patek and Co., San Francisco, Calif.
Filed July 2, 1951, Serial No. 615,993. Published Mar. 11, 1952. Class 6.

559,673. Packing for Use in Stuffing Boxes in Reciprocatory, Rotary, and Centrifugal Pumps and in Valves. Sea-Ro Packing Company, Incorporated, Wood-Ridge, N. J.
Filed July 3, 1951, Serial No. 616,053. Published Mar. 4, 1952. Class 35.

559,674. Synthetic Fiber in the Form of Filament Fiber, Staple Fiber, and Tow. American Cyanamid Company, New York, N. Y.
Filed July 5, 1951, Serial No. 616,072. Published Mar. 11, 1952. Class 1.

559,675. Chemical Substance Used in Improving the Level Dyeing of Wool. Onyx Oil & Chemical Company, Jersey City, N. J.
Filed July 5, 1951, Serial No. 616,117. Published Mar. 11, 1952. Class 6.

559,676. Colored Portraits Prepared From Negatives or Other Likenesses, Processed and Finished To Inhibit All Forms of Deterioration. Sleepy Hollow Craftsmen, Inc., Cincinnati, Ohio.
Filed July 6, 1951, Serial No. 616,191. Published Mar. 4, 1952. Class 38.

559,677. Plastic Dinnerware—Namely, Cups, Saucers, Bowls, Plates, Platters, and Other Such Dishes. National Products Co., Kansas City, Mo.
Filed July 9, 1951, Serial No. 616,238. Published Mar. 11, 1952. Class 2.

559,678. Coal. Northern Illinois Coal Corporation, Chicago, Ill.
Filed July 9, 1951, Serial No. 616,239. Published Mar. 11, 1952. Class 1.

559,679. Coal. Seminole Coal Corporation, Chicago, Ill.
Filed July 9, 1951, Serial No. 616,248. Published Mar. 11, 1952. Class 1.

559,680. Coal. Sunlight Coal Company, Chicago, Ill.
Filed July 9, 1951, Serial No. 616,253. Published Mar. 11, 1952. Class 1.

559,681. Chemicals for Use in Treating Metal Surfaces To Render Them Corrosion Resistant. Neilson Chemical Company, Detroit, Mich.
Filed July 10, 1951, Serial No. 616,298. Published Mar. 11, 1952. Class 6.

559,682. Dispensers for Liquid Soaps, Disinfectants, and Germicidal Preparations Affixed to a Wall or Stand. West Disinfecting Company, Long Island City, N. Y.
Filed July 10, 1951, Serial No. 616,307. Published Mar. 4, 1952. Class 13.

559,683. Transfer Decorations for the Ceramic Trade. Frank Hart, doing business as Hart Manufacturing Company, Hot Springs, Ark.
Filed July 11, 1951, Serial No. 616,316. Published Mar. 4, 1952. Class 38.

559,684. Bucket Conveyor Apparatus—Namely, Conveyor Buckets, Conveyor Chains, and Traction and Sprocket Wheels for Conveyor Chains, Chain Links, and Link Bearing Pins. Beaumont Birch Company, Philadelphia, Pa.
Filed July 16, 1951, Serial No. 616,539. Published Feb. 19, 1952. Class 23.

559,685. Christmas Cards. H. S. Crocker Co., Inc., doing business as Crocker-Union and California Artists, San Bruno, Calif.
Filed July 16, 1951, Serial No. 616,545. Published Mar. 11, 1952. Class 38.

559,686. Printed Publications Pertaining to Education Published From Time to Time. Educational Testing Service, Princeton, N. J.
Filed July 20, 1951, Serial No. 616,701. Published Feb. 26, 1952. Class 38.

559,687. Women's Clothing—Namely, Corsets, Girdles, House Coats, Etc. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed July 25, 1951, Serial No. 616,922. Published Mar. 11, 1952. Class 39.

559,688. Calculators for Analyzing Horse Racing Results. Formulator, Inc., Blue Island, Ill.
Filed July 27, 1951, Serial No. 617,024. Published Feb. 12, 1952. Class 26.

559,689. Printed Labels. Miller and Miller, Inc., Atlanta, Ga.
Filed July 31, 1951, Serial No. 617,155. Published Feb. 26, 1952. Class 38.

559,690. Feature Column of a Newspaper. Globe Democrat Publishing Company, St. Louis, Mo.
Filed Aug. 7, 1951, Serial No. 617,398. Published Mar. 4, 1952. Class 38.

559,691. Set of Reference Books for Children. The Child's World, Inc., Chicago, Ill.
Filed Aug. 9, 1951, Serial No. 617,489. Published Mar. 4, 1952. Class 38.

559,692. Booklets, Pamphlets, or Leaflets Issued From Time to Time. Allied Chemical & Dye Corporation, New York, N. Y.
Filed Aug. 10, 1951, Serial No. 617,525. Published Mar. 4, 1952. Class 38.

559,693. Trading Stamps. Audrey M. Smith, St. Louis, Mo.
Filed Aug. 15, 1951, Serial No. 617,733. Published Mar. 11, 1952. Class 38.

559,694. Column in a Newspaper. The Washington Post Company, Washington, D. C.
Filed Aug. 17, 1951, Serial No. 617,828. Published Mar. 4, 1952. Class 38.

559,695. Series of Cartoons. Tribune Company, Chicago, Ill.
Filed Aug. 23, 1951, Serial No. 618,014. Published Mar. 11, 1952. Class 38.

559,696. Monthly Publications. Industry Publications, Inc., New York, N. Y.
Filed Aug. 31, 1951, Serial No. 618,295. Published Mar. 11, 1952. Class 38.

559,697. Periodical Publication Section. The Irving-Cloud Publishing Company, Chicago, Ill.
Filed Aug. 1, 1951, Serial No. 618,431. Published Mar. 11, 1952. Class 38.

559,698. Steel in the Form of Wire, Strips, Bars, Billets, and Other Shapes. The Carpenter Steel Company, Reading, Pa.
Filed Sept. 12, 1951, Serial No. 618,680. Published Feb. 26, 1952. Class 14.

559,699. Hot Rolled Bars and Shapes, Hot Rolled Sheets and Strip, Brass Bars and Shapes, Brass Sheets and Strip, Phosphor Bronze Bars and Shapes, and Phosphor Bronze Sheets and Strip. General Steel Warehouse Co., Inc., Chicago, Ill.
Filed Oct. 11, 1951, Serial No. 619,879. Published Feb. 26, 1952. Class 14.

559,700. Nasal Catheters, Stomach Tubes, Rectal Tubes, Etc. Baxter Laboratories, Inc., Morton Grove, Ill.
Filed Oct. 29, 1951, Serial No. 620,383. CONCURRENT USE. Published Feb. 26, 1952. Class 44.

Service Marks

559,701. Entertainment Service in the Nature of Story Telling Rendered Through the Medium of Radio. Buffalo Evening News, Inc., Buffalo, N. Y., assignee of Edward H. Butler, individually and as trustee under the last will and testament of Edward H. Butler, deceased, doing business as Buffalo Evening News.
Filed Feb. 4, 1948, Serial No. 548,715. Published Mar. 11, 1952. Class 107.

559,702. Photographing of Children. John P. Briggs, doing business as Clown Town, Lakewood, Ohio.
Filed July 1, 1949, Serial No. 581,402. Published Mar. 11, 1952. Class 100.

559,703. Preparing and Supplying, at the Locality of Its Use, Reagent Gas Such as Dilute Chlorine Dioxide, for the Treatment of Flour and Other Cereal Products To Mature and Improve the Same. Novadel-Agene Corporation, Belleville, N. J.
Filed July 6, 1949, Serial No. 581,561. Published Mar. 11, 1952. Class 100.

559,704. Lending of Books and Publications to the Public. Womrath Bookshops and Libraries, Inc., New York, N. Y.
Filed Aug. 9, 1949, Serial No. 583,224. Published Mar. 11, 1952. Class 107.

559,705. Designing of Fashions in Connection With Clothing and Accessories, Etc. Claire McCardell Harris, doing business under the name and style of Claire McCardell, New York, N. Y.
Filed May 22, 1951, Serial No. 614,202. Published Mar. 11, 1952. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

559,706. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Eckenbeck & Madden Co., Minneapolis, Minn. Original filed, act of 1905, Oct. 23, 1946; amended to application under act of 1946, Principal Register, Feb. 20, 1948; amended to Supplemental Register, Apr. 20, 1949, Serial No. 511,321.

PLUG NUTS

For Tapered Lip Inserts for Providing Fastening Means for Securing Bolts to Plates and the Like.
Claims use since May 16, 1945.

559,707. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Timken-Detroit Axle Company, Detroit, Mich. Original filed, act of 1946, Principal Register, Jan. 12, 1948; amended to application, Supplemental Register, Nov. 8, 1950, Serial No. 546,805.

The Accepted Standard

For Worms and Gears.
Claims use since October 1944.

559,708. (Class 51. Cosmetics and Toilet Preparations.) Virginia Farrell, Detroit, Mich. Original filed, act of 1946, Principal Register, June 25, 1948; amended to application, Supplemental Register, Feb. 20, 1952, Serial No. 560,197.



The drawing is lined for the color red.
For Cream Foundation for Use in Preparing the Face for Powder and/or Rouge.
Claims use since Apr. 1, 1948.

559,709. (Class 46. Foods and Ingredients of Foods.) Southeastern Mills, Inc., Rome, Ga. Original filed, act of 1946, Principal Register, June 28, 1948; amended to application, Supplemental Register, Feb. 11, 1952, Serial No. 560,362.

GOOD BISCUIT

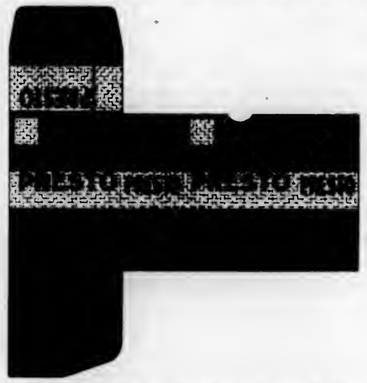
For Self-Rising Wheat Flour.
Claims use since 1941.

559,710. (Class 46. Foods and Ingredients of Foods.) Charles W. Kircher, doing business as North Hollywood Egg Farms, North Hollywood, Calif. Original filed, act of 1946, Principal Register, Dec. 18, 1948; amended to application, Supplemental Register, Mar. 28, 1952, Serial No. 570,779.

Chicken Little

For Fresh Eggs.
Claims use since Aug. 15, 1947.

559,711. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Snell-Jones Tack Corporation, Brockton, Mass. Original filed, act of 1946, Principal Register, Apr. 15, 1949; amended to application, Supplemental Register, Mar. 30, 1950, Serial No. 577,231.



The drawing is lined to indicate the colors yellow and black. Applicant claims ownership of Registration No. 368,758.
For Wire and Cut Tacks, Nails, Staples, Brads, and Glaziers' Points.
Claims use since Jan. 1, 1949.

559,712. (Class 51. Cosmetics and Toilet Preparations.) Lanmark Company, Astoria, Long Island, N. Y. Original filed, act of 1946, Principal Register, Apr. 18, 1949; amended to application, Supplemental Register, Sept. 27, 1950, Serial No. 577,331.

REE-LIEVE

For Foot Lotions.
Claims use since Dec. 10, 1948.

559,713. (Class 16. Protective and Decorative Coatings.) Forman, Ford and Co., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Apr. 20, 1949; amended to application, Supplemental Register, Mar. 31, 1950, Serial No. 577,427.

Forman, Ford

Grade 1

The drawing is lined for red.
For Exterior House Paint and Paint Primer.
Claims use since Nov. 18, 1948.

559,714. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Hancock Manufacturing, Inc., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Apr. 26, 1949; amended to application, Supplemental Register, Nov. 21, 1951, Serial No. 577,715.

EM-T-FILL

For Hose Adapted To Be Connected to Water Pipe and Having a Syphon Device Intermediate Its Ends for Use in Filling and Draining Wash Tubs, Sinks and the Like.
Claims use since Feb. 1, 1949.

559,715. (Class 46. Foods and Ingredients of Foods.) Charles A. Gerber, doing business as Charles A. Gerber Company, Bartlett, Ill. Original filed, act of 1946, Principal Register, Apr. 27, 1949; amended to application, Supplemental Register, Oct. 18, 1951, Serial No. 577,788.

Gerber's

Gold-N-Toasted

For Bread Crumbs Made Especially From Baked Enriched Flour, Filtered Water, Dextrose, Dry Milk Solids, Salt, Shortening, Yeast, Yeast Nutrients and Malt Extract for Breading, for Deep Fat and Pan Frying and for Thickening Soups and Gravies.
Claims use since Nov. 4, 1943.

559,716. (Class 12. Construction Materials.) General Shale Products Corp., Johnson City and Kingsport, Tenn. Original filed, act of 1946, Principal Register, May 23, 1949; amended to application, Supplemental Register, Oct. 16, 1951, Serial No. 579,316.

HERMITAGE COLONIALS

For Facing Brick.
Claims use since Nov. 1, 1929.

559,717. (Class 1. Raw or Partly Prepared Materials.) O-Cel-O, Inc., Buffalo, N. Y. Original filed, act of 1946, Principal Register, June 15, 1949; amended to application, Supplemental Register, Sept. 6, 1951, Serial No. 580,502.

KLEEN-KLOTH

For Cellulose Sponges.
Claims use since May 13, 1948.

559,718. (Class 46. Foods and Ingredients of Foods.) Hartford Live Poultry, Hartford, Conn. Original filed, act of 1946, Principal Register, July 29, 1949; amended to application, Supplemental Register, Oct. 4, 1950, Serial No. 582,685.

MAYBEST

For Dressed Poultry for Human Consumption.
Claims use since June 27, 1949.

559,719. (Class 46. Foods and Ingredients of Foods.) National Retailer-Owned Grocers, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 10, 1949; amended to application, Supplemental Register, Dec. 6, 1950, Serial No. 583,278.

Shurfine

For Canned Vegetable Juices, Canned Vegetables, Canned Vegetables for Babies, Canned Fish, Canned Shellfish, Canned Chili Con Carne, Sliced Dried Beef in Glass, Table Syrups, Molasses, Peanut Butter, Honey, Evaporated Milk, Canned Shoestring Potatoes, Pork and Beans, Prepared Spaghetti, Tomato Puree, Tomato Sauce, Canned Pimientos, Canned Mushrooms, Spaghetti Sauce, Prepared Mustard, Vinegar, Tomato Catsup, Chili Sauce, Olives, Pickles, Olive Oil, French Dressing, Salad Dressing, Mayonnaise, Sandwich Spread, Chili Powder, Spices, Salt, Coffee, Tea, Cornstarch, Mincemeat, Brown Bread, Macaroni, Noodles, Vermicelli, Spaghetti, Baking Chocolate, Cream of Tartar, Baking Powder, Canned Cocoanut, Breakfast Cereals, Cake Flour, Pancake Flour, and Biscuit Flour.
Claims use since 1932.

559,720. (Class 4. Abrasives and Polishing Materials.) John A. Sewell, doing business as Spray-Nu Products, Chicago, Ill. Original filed, act of 1946, Principal Register, Feb. 17, 1950; amended to application, Supplemental Register, Jan. 28, 1952, Serial No. 592,669.

SPRA-NU

For Aluminum Enamel, and Automobile and Furniture Wax.
Claims use since Jan. 20, 1950.

559,721. (Class 18. Medicines and Pharmaceutical Preparations.) Dr. J. Gesteira, Inc., Detroit, Mich. Original filed, act of 1946, Principal Register, Mar. 15, 1950; amended to application, Supplemental Register, June 19, 1951, Serial No. 593,981.

Elixir GESTEIRA

The word "Elixir" is disclaimed. Applicant claims ownership of Registration No. 156,261.
For Medicine Used as a Sedative and Antispasmodic in Dysmenorrhea (Painful Menstruation Not Due to Alteration of the Organs and Not Requiring Surgical Treatment) and for Other Menstrual Disorders of a Functional Nature.
Claims use since June 30, 1948.

559,722. (Class 22. Games, Toys, and Sporting Goods.) Thayer, Inc., Gardner, Mass. Original filed, act of 1946, Principal Register, Apr. 25, 1950; amended to application, Supplemental Register, Oct. 12, 1951, Serial No. 596,305.



"TOPS FOR TOTS"

The child's head is fanciful.
For Doll Carriages, Doll Coaches, Doll Strollers, Doll High Chairs, Rocking Horses, Doll Play Yards, Doll Cribs, Doll Furniture Sets.
Claims use since December 1948.

559,723. (Class 22. Games, Toys, and Sporting Goods.) La Ceil Industries, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, July 18, 1950; amended to application, Supplemental Register, July 11, 1951, Serial No. 600,836.

HEADY TURNY

For Dolls.
Claims use since July 6, 1950.

559,724. (Class 22. Games, Toys, and Sporting Goods.) Jean Frechtmann, New York, N. Y. Original filed, act of 1946, Principal Register, July 25, 1950; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 601,208.

MULTI PUZZLE

For Jigsaw Puzzles.
Claims use since Mar. 1, 1950.

559,725. (Class 38. Prints and Publications.) Basic Publications, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 29, 1950; amended to application, Supplemental Register, Mar. 8, 1952, Serial No. 601,419.

Marriage Magazine

For Magazine Published From Time to Time.
Claims use since July 5, 1950.

559,726. (Class 46. Foods and Ingredients of Foods.) Safeway Stores, Incorporated, Oakland, Calif. Original filed, act of 1946, Principal Register, Oct. 9, 1950; amended to application, Supplemental Register, Mar. 14, 1952, Serial No. 604,664.

Garnet

For Canned Beets.
Claims use since Sept. 22, 1950.

559,727. (Class 46. Foods and Ingredients of Foods.) Safeway Stores, Incorporated, Oakland, Calif. Original filed, act of 1946, Principal Register, Dec. 1, 1950; amended to application, Supplemental Register, Apr. 1, 1952, Serial No. 607,196.

Roxbury

For Candy.
Claims use since June 30, 1950.

559,728. (Class 2. Receptacles.) The Moore Company, Charleston, W. Va. Filed Dec. 5, 1950, Serial No. 607,293.

LOCKERBASKET

For Assembly for Storing Clothes and Other Personal Effects Comprising a Basket, Clothes Hooks, Pulleys, and Supporting Chain and Lock.
Claims use since June 1, 1949.

559,729. (Class 51. Cosmetics and Toilet Preparations.) Peoples Drug Stores, Inc., Washington, D. C. Original filed, act of 1946, Principal Register, Jan. 5, 1951; amended to application, Supplemental Register, Oct. 17, 1951, Serial No. 608,434.

Odor Sweet

Applicant claims ownership of Registration No. 298,168.
For Personal Deodorant.
Claims use since Mar. 14, 1916.

559,730. (Class 16. Protective and Decorative Coatings.) Seymour of Sycamore, Inc., Sycamore, Ill. Original filed, act of 1946, Principal Register, Apr. 3, 1951; amended to application, Supplemental Register, Feb. 11, 1952, Serial No. 612,183.

LUSTRE CHROME

For Ready Mixed Paints.
Claims use since May 1949.

559,731. (Class 46. Foods and Ingredients of Foods.) Agnes M. Beattie, doing business as D. A. Beattie Association, Porterville, Calif. Original filed, act of 1946, Principal Register, Apr. 10, 1951; amended to application, Supplemental Register, Jan. 14, 1952, Serial No. 612,432.

SURE-NO-SEEDS

Applicant claims ownership of Registration No. 309,189.
For Fresh Citrus Fruits.
Claims use since Nov. 12, 1932.

559,732. (Class 46. Foods and Ingredients of Foods.) The Kroger Co., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, June 15, 1951; amended to application, Supplemental Register, Jan. 18, 1952, Serial No. 615,225.

LIKE-U'D-PICK

For Fresh Fruits and Vegetables, Specifically Oranges, Potatoes, Green Beans, Radishes, Pineapple, Lemons, Tomatoes, Lettuce, Corn on the Cob, Spinach, Grapefruit, and Cucumbers.
Claims use since Dec. 27, 1950.

559,733. (Class 22. Games, Toys, and Sporting Goods.) Parris Mfg. Co., Clarinda, Iowa. Original filed, act of 1946, Principal Register, June 16, 1951; amended to application, Supplemental Register, Feb. 2, 1952, Serial No. 615,284.

STRAIT SHOOTER

For Toy Pistols.
Claims use since May 22, 1950.

Service Mark

559,734. (Class 103. Construction and Repair.) Welex Jet Services, Inc., Fort Worth, Tex. Original filed, act of 1946, Principal Register, June 26, 1950; amended to application, Supplemental Register, Feb. 28, 1952, Serial No. 599,793.

Welex

The drawing is lined for red, yellow and black. Applicant claims ownership of Registrations Nos. 517,545 and 523,228.
For Oil Well Perforating and Open Hole Shooting Services.
Claims use since May 1, 1950.

TRADE-MARK REGISTRATIONS RENEWED

38,449. OUR FAMILY. Registered June 17, 1902. Roberts, Johnson & Rand Shoe Co. Re-renewed June 17, 1952, to International Shoe Co., St. Louis, Mo., a corporation of Delaware. Boots and Shoes. Class 39.

38,451. PATRIOT. Registered June 17, 1902. Roberts, Johnson & Rand Shoe Co. Re-renewed June 17, 1952, to International Shoe Co., St. Louis, Mo., a corporation of Delaware. Boots and Shoes. Class 39.

38,498. R. ESTERBROOK & CO. Registered June 24, 1902. The Esterbrook Steel Pen Manufacturing Co., Camden, N. J., and New York, N. Y. Re-renewed June 24, 1952, to The Esterbrook Pen Company, Camden, N. J., a corporation of New Jersey. Pens. Class 37.

38,662. DEXTER. Registered July 22, 1902. Dexter Portland Cement Co., Nazareth, Pa. Re-renewed July 22, 1952, to Penn-Dixie Cement Corporation, New York, N. Y., a corporation of Delaware. Portland Cement. Class 12.

38,734. LACQUERET. Registered Aug. 5, 1902. Standard Varnish Works, New York, N. Y. Re-renewed Aug. 5, 1952, to Standard-Toch Chemicals, Inc., Staten Island, N. Y., a corporation of New York. Varnishes, Paints, Lacquers, Japans, Enamels, and Oils Used in Connection With the Same. Class 16.

82,400. TUCKSBEN. Registered June 27, 1911. Bendixen Tobacco Co. Re-renewed June 27, 1951, to Howard R. Bendixen, doing business as Bendixen Tobacco Company, Syracuse, N. Y. Chewing and Smoking-Tobacco. Class 17.

84,199. ELECTROLA. Registered Nov. 14, 1911. Victor Talking Machine Company, Camden, N. J. Re-renewed Nov. 14, 1951, to Radio Corporation of America, New York, N. Y., a corporation of Delaware. Talking-Machines, Talking-Machine Parts, Talking-Machine Accessories, and Talking-Machine Records. Class 36.

85,354. SANIGENIC ETC. AND DESIGN LINED FOR RED. Registered Feb. 13, 1912. Japanese Tissue Mills. Re-renewed Feb. 13, 1952, to American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts. Paper Towels and Paper Napkins. Class 37.

85,449. KAWNEER. Registered Feb. 20, 1912. Kawneer Mfg. Co. Re-renewed Feb. 20, 1952, to The Kawneer Company, Niles, Mich., a corporation of Michigan. Metal Doors, Metal Windows, and Metal Moldings. Class 12.

85,532. "ALADDIN" AND DRAWING. Registered Feb. 20, 1912. West India Oil Company, Bayonne, N. J. Re-renewed Feb. 20, 1952, to Standard Oil Development Company, Linden, N. J., a corporation of Delaware. Illuminating Oil. Class 15.

85,746. "FISH HAWK" AND DRAWING. Registered Mar. 12, 1912. Hawk Fish Company. Re-renewed Mar. 12, 1952, to P. E. Harris Company, Inc., Seattle, Wash., a corporation of Washington. Canned Salmon. Class 46.

86,598. SAMSON. Registered May 21, 1912. Keystone Steel and Wire Company, Peoria, Ill., a corporation of Illinois. Re-renewed May 21, 1952. Wire, Barb Wire and Wire Fence Stretchers. Class 23.

86,714. SQUARE DEAL. Registered May 28, 1912. Keystone Steel and Wire Company, Peoria, Ill., a corporation of Illinois. Re-renewed May 28, 1952. Metal Gates. Class 13.

86,715. KEYSTONE. Registered May 28, 1912. Keystone Steel and Wire Company, Peoria, Ill., a corporation of Illinois. Re-renewed May 28, 1952. Metal Gates. Class 13.

86,890. TRIOLITE. Registered June 11, 1912. Denny, Hilborn & Rosenbach. Re-renewed June 11, 1952, to Denny, Hilborn & Rosenbach Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Ready-Mixed Decorative and Preservative Paints. Class 16.

86,891. SAMURAI. Registered June 11, 1912. Denny, Hilborn & Rosenbach. Re-renewed June 11, 1952, to Denny, Hilborn & Rosenbach Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Ready-Mixed Decorative and Preservative Paints. Class 16.

86,892. FLOWETTE. Registered June 11, 1912. Denny, Hilborn & Rosenbach. Re-renewed June 11, 1952, to Denny, Hilborn & Rosenbach Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Ready-Mixed Decorative and Preservative Paints. Class 16.

87,342. "HERCULES" AND DRAWING. Registered July 9, 1912. Illinois Iron & Bolt Co., Carpentersville, Ill., a corporation of Illinois. Re-renewed July 9, 1952. Steel Warehouse-Trucks. Class 19.

87,365. LILY. Registered July 9, 1912. Public Service Cup Company. Re-renewed July 9, 1952, to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware. Paper Cups. Class 2.

87,383. "UTICA" AND DESIGN. Registered July 9, 1912. Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y. Re-renewed July 9, 1952, to J. P. Stevens & Co., Inc., New York, N. Y., a corporation of Delaware. Sheets, Sheetings, Pillow-Cases, and Cotton Piece Goods. Class 42.

87,384. "MOHAWK" AND DESIGN. Registered July 9, 1912. Utica Steam and Mohawk Valley Cotton Mills, Utica, N. Y. Re-renewed July 9, 1952, to J. P. Stevens & Co., Inc., New York, N. Y., a corporation of Delaware. Sheets, Sheetings, Pillow Cases, and Cotton Piece Goods. Class 42.

87,622. SULTANA. Registered July 30, 1912. The Great Atlantic and Pacific Tea Company, Jersey City, N. J. Re-renewed July 30, 1952, to The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Coffee. Class 46.

87,635. EXPOSITION. Registered July 30, 1912. Johnston Fruit Company, Santa Barbara, Calif., a corporation of California. Re-renewed July 30, 1952. Oranges and Lemons. Class 46.

87,942. CALORA. Registered Aug. 13, 1912. Standard Varnish Works, New York, N. Y. Re-renewed Aug. 13, 1952, to Standard-Toch Chemicals, Inc., Staten Island, N. Y., a corporation of New York. Enamels, Ready-Mixed Paints, and Varnishes. Class 16.

286,487. "HEINRICHS" ETC. AND DESIGN. Registered Sept. 1, 1931. K. Heinrichs. Renewed Sept. 1, 1951, to Peter J. Klein, trustee for the estate of Katherine C. Heinrichs (deceased), doing business as "K. Heinrichs," Albany, N. Y. Carbonated, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks. Class 45.

289,931. LUXRITE. Registered Dec. 15, 1931. S. Hoffman, Los Angeles, Calif. Renewed Dec. 15, 1951, to Luxrite Products Co., Hollywood, Calif., a corporation of California. Manicure Implements—Namely, Nail Files, Tweezers, Scissors, Nail and Cuticle Nippers, Etc. Class 44.

291,003. "AP" WITHIN DIAMOND DESIGN. Registered Jan. 26, 1932. Accurate Parts Manufacturing Company, Cleveland, Ohio, a corporation of Ohio. Renewed Jan. 26, 1952. Clutches and Parts Thereof, Clutch Plates, Coil Springs for Clutches, Universal Joint Discs, and Valve Locks. Class 23.

291,114. "BILLIE MAE'S HONEYCRISP" ETC. Registered Jan. 26, 1932. Honeycrisp Health Candy Co., Chicago, Ill., a firm. Renewed Jan. 26, 1952. Candy. Class 46.

291,227. BASIFRIT. Registered Feb. 2, 1932. Canadian Refractories Limited, Montreal, Quebec, Canada. Renewed Feb. 2, 1952, to Basic Refractories, Incorporated, Cleveland, Ohio, a corporation of Ohio. Refractory Cement for Lining Furnaces or Ladles or for Similar Purposes, Mortar, and Bricks. Class 12.

291,455. MISTOL. Registered Feb. 9, 1932. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Feb. 9, 1952, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Liquid Preparation for the Treatment of the Nose and Throat. Class 18.

291,508. HAPPY DAYS. Registered Feb. 9, 1932. American Beverage Co. Renewed Feb. 9, 1952, to American Beverage Company, New Orleans, La., a partnership. Carbonated and Still Non-Alcoholic Beverages, and Artificial and True Fruit Flavors and Extracts for Beverage Purposes. Class 45.

291,622. LUXRITE. Registered Feb. 23, 1932. S. Hoffman, Los Angeles, Calif. Renewed Feb. 23, 1952, to Luxrite Products Co., Hollywood, Calif., a corporation of California. Combs. Class 40.

291,748. "TRI PHI" AND DESIGN. Registered Feb. 23, 1932. Maurice L. Rothschild, Incorporated. Renewed Feb. 23, 1952, to Maurice L. Rothschild & Company, Chicago, Ill., a corporation of Minnesota. Women's Dresses, Coats, Hats, and Shoes Made of Leather or Fabric. Class 39.

291,772. "THE FEDERATED WAY" AND DESIGN. Registered Feb. 23, 1932. Combined Laundries, Inc., New York, N. Y. Renewed Feb. 23, 1952, to Combined Laundries, Inc., Mount Vernon, N. Y., a corporation of New York. Blankets Made of Cotton and Wool or Mixtures Thereof. Class 42.

291,790. "MENASHA" AND DRAWING. Registered Feb. 23, 1932. The Menasha Products Company, Menasha, Wis. Renewed Feb. 23, 1952, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin. Waxed and Unwaxed Paper, Paper Tablecloths, Paper Napkins, and Paper Doilies. Class 37.

291,910. LACETTES. Registered Feb. 23, 1932. Package Paper Company, Holyoke, Mass. Renewed Feb. 23, 1952, to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts. Transparent Sheets of Paper-Like Material Decorated in Imitation of Lace and Adapted for Use as Doilies, Etc. Class 37.

291,946. MORNIN'-AFTA. Registered Feb. 23, 1932. Joseph Triner Corporation, Chicago, Ill., a corporation of Illinois. Renewed Feb. 23, 1952. Medicinal Preparation in the Form of Pills or Pellets for Internal Use as an Alterative and Laxative. Class 18.

291,948. MIXOL. Registered Feb. 23, 1932. California Spray-Chemical Corporation, Berkeley, Calif. Renewed Feb. 23, 1952, to California Spray-Chemical Corporation, Richmond, Calif., a corporation of Delaware. Insecticides, Germicides, and Fungicides. Class 6.

292,000. "BABY LAND" ETC. AND DRAWING. Registered Mar. 1, 1932. Gem Crib & Cradle Co., Gardner, Mass., a corporation of Massachusetts. Renewed Mar. 1, 1952. Cribs, Cradles, Chairs, Costumers, Beds, Etc. Class 32.

292,002. EXTANE. Registered Mar. 1, 1932. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Mar. 1, 1952, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Cleansing Fluid—Namely, a Dry Cleaner and Spot Remover. Class 52.

292,074. THE HYPRESSURE JENNY. Registered Mar. 1, 1932. Homestead Valve Manufacturing Company, Coraopolis, Pa., a corporation of Pennsylvania. Renewed Mar. 1, 1952. Combined Mechanical Vapor Pressure Cleaning Machines and Water Vapor Generators. Class 23.

292,253. "PROTECT-O-LINE" WITHIN DIAMOND DESIGN. Registered Mar. 8, 1932. B. K. Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Mar. 8, 1952. Liquid Composition for Fixing Pencil or Ink Lines on Drawings Made on Cloth and Paper, Typewritten Matter on Cloth and Paper and the Like. Class 6.

292,295. PARAFLOW. Registered Mar. 8, 1932. Standard Oil Development Company, Linden, N. J., a corporation of Delaware. Renewed Mar. 8, 1952. Compound for Reducing Cold Tests and Viscosity of Oils. Class 6.

292,504. HOSTESS. Registered Mar. 15, 1932. Menasha Products Co., Menasha, Wis. Renewed Mar. 15, 1952, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin. Toilet Paper. Class 37.

292,573. ADONNA. Registered Mar. 15, 1932. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Mar. 15, 1952, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Women's, Misses', and Children's Underwear. Class 39.

292,577. "SALAD TIME" ETC. AND DESIGN. Registered Mar. 15, 1932. Nalley's, Inc., Tacoma, Wash., a corporation of Washington. Renewed Mar. 15, 1952. Salad Dressing. Class 46.

292,637. PAKAY. Registered Mar. 22, 1932. Package Paper Company, Holyoke, Mass. Renewed Mar. 22, 1952, to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts. Gift Wrappers, Doilies, and Table Covers Made of Paper or Cellophane. Class 37.

292,638. GI. Registered Mar. 22, 1932. Georg Jensen Handmade Silver Inc. Renewed Mar. 22, 1952, to Georg Jensen Inc., New York, N. Y., a corporation of New York. Bracelets, Brooches, and Other Jewelry for Personal Wear (Not Including Watches); Trays, Etc. Class 28.

292,694. "GENUINE-MADEIRA" AND DRAWING. Registered Mar. 22, 1932. Adam Hat Stores, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 22, 1952. Men's Hats. Class 39.

292,847. "S" AND DESIGN. Registered Mar. 29, 1932. Scovill Manufacturing Company, Waterbury, Conn., a corporation specially chartered by the General Assembly of the State of Connecticut. Renewed Mar. 29, 1952. Brass Pipe and Plumbing Supplies—Namely, Basin Supply Pipes, Bath Supply Pipes, Tank Supply Pipes, Etc. Class 13.

293,361. SCREEN SOUVENIRS. Registered Apr. 19, 1932. Paramount Publix Corporation. Renewed Apr. 19, 1952, to Paramount Pictures Corporation, New York, N. Y., a corporation of New York. Series of Different Motion Picture Films. Class 26.

293,387. "MENASHA" AND DRAWING. Registered Apr. 19, 1932. The Menasha Products Company, Menasha, Wis. Renewed Apr. 19, 1952, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin. Metal Holders and Dispensers for Paper Napkins, Etc. Class 2.

293,475. "W" AND DESIGN LINED FOR BLUE AND RED. Registered Apr. 26, 1932. The J. B. Williams Company, Glastonbury, Conn., a corporation of Connecticut. Renewed Apr. 26, 1952. Shaving Soap Including Shaving Cream. Class 51.

293,530. "GEORG JENSEN" AND DESIGN. Registered Apr. 26, 1932. Georg Jensen Handmade Silver Inc. Renewed Apr. 26, 1952, to Georg Jensen Inc., New York, N. Y., a corporation of New York. Bracelets, Brooches, and Other Jewelry for Personal Wear (Not Including Watches); Trays, Etc. Class 28.

293,634. REPRESENTATION OF FENCE POST WITH BLACK STRIPE. Registered May 3, 1932. Keystone Steel & Wire Company, Peoria, South Bartonville, Ill. Renewed May 3, 1952, to Keystone Steel and Wire Company, Peoria, Ill., a corporation of Illinois. Metallic Fence Posts. Class 13.

293,706. REPRESENTATION OF INDIAN HEAD WITHIN CIRCLE DESIGN. Registered May 3, 1932. General Motors Corporation, Detroit, Mich., a corporation of Delaware. Renewed May 3, 1952. Motor Driven Vehicles—Namely, Automobiles, Trucks, and Commercial Vehicles, and Structural Parts Thereof. Class 19.

293,727. POPS. Registered May 3, 1932. Foodtown Kitchens, Inc., Chicago, Ill. Renewed May 3, 1952, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware. Cereal Breakfast Foods. Class 46.

293,744. "NIBROC" ETC. AND DRAWING. Registered May 3, 1932. Brown Company, Portland, Maine, and Berlin, N. H., a corporation of Maine. Renewed May 3, 1952. Paper Suitable for Miscellaneous Purposes—Namely, for Cable Insulation, Transformer Insulation, Etc. Class 37.

294,260. MACROCHÉ. Registered May 24, 1932. Liberty Lace and Netting Works. Renewed May 24, 1952, to Liberty Fabrics of New York, Inc., New York, N. Y., a corporation of New York. Lace in the Piece. Class 42.

294,284. PARKER DUOFOLD. Registered May 24, 1932. The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin. Renewed May 24, 1952. Desk Sets (Desk Stands and Holders). Class 37.

294,959. "TAMPAX" WITH UNDERLINE. Registered June 14, 1932. The Tampax, Inc., Denver, Colo. Renewed June 14, 1952, to Tampax Incorporated, New York, N. Y., a corporation of Delaware. Sanitary Absorbent Tampons. Class 44.

295,122. AQUA DOWN. Registered June 21, 1932. Alfred Decker & Cohn, Inc. Renewed June 21, 1952, to Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois. Overcoats and Topcoats for Men and Women and Children. Class 39.

295,123. RAMVEL. Registered June 21, 1932. Alfred Decker & Cohn, Inc. Renewed June 21, 1952, to Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois. Overcoats and Topcoats and Coats for Men and Women and Children. Class 39.

295,211. "IF IT'S NALLEY'S IT'S GOOD" AND DESIGN. Registered June 21, 1932. Nalley's, Inc., Tacoma, Wash., a corporation of Washington. Renewed June 21, 1952. Mayonnaise, Thousand Island Dressing, Salad Dressing, Etc. Class 46.

295,212. "NALLEYS" ETC. AND DESIGN. Registered June 21, 1932. Nalley's, Inc., Tacoma, Wash., a corporation of Washington. Renewed June 21, 1952. Mayonnaise and French Dressing. Class 46.

295,329. SUNDIAL. Registered June 28, 1932. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed June 28, 1952. Boots and Shoes of Leather, Fabric, and/or Combinations Thereof. Class 39.

295,461. REPRESENTATION OF GENTLEMAN IN PORTRAIT. Registered July 5, 1932. Alfred Decker & Cohn, Inc. Renewed July 5, 1952, to Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois. Clothing — Namely, Coats, Vests, Trousers, Etc. Class 39.

295,530. BEACHRITE. Registered July 5, 1932. Beach Soap Company, Lawrence, Mass., a corporation of Massachusetts. Renewed July 5, 1952. Detergents Made of Soap and Alkaline Materials. Class 52.

295,779. TUFCEL. Registered July 12, 1932. Brown Company, Portland, Maine, and Berlin, N. H., a corporation of Maine. Renewed July 12, 1952. Paper Suitable for Use in the Manufacture of Roofing and for Other Construction and Heat-Insulation Purposes. Class 12.

295,832. HIL-KOTE. Registered July 12, 1932. Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Renewed July 12, 1952. Liquid Floor Wax. Class 4.

295,975. SIBEK. Registered July 19, 1932. Brown Company, Portland, Maine, and Berlin, N. H., a corporation of Maine. Renewed July 19, 1952. Paper Suitable for Use as Wrapping Paper and for Similar Purposes. Class 37.

296,042. "LINCO WASH" AND DESIGN. Registered July 19, 1932. Linco Products Corporation, Chicago, Ill., a corporation of Illinois. Renewed July 19, 1952. Javal Water. Class 6.

296,104. "BONDO" ETC. Registered July 26, 1932. Cook Paint and Varnish Company, North Kansas City, Mo. Renewed July 26, 1952, to Cook Paint & Varnish Company, Kansas City, Mo., a corporation of Delaware. Dry Paste for Adhesive Purposes. Class 5.

296,172. CEDAR ISLANDS. Registered July 26, 1932. Cedar Island Oyster Company, Greenport, N. Y. Renewed July 26, 1952, to Bluepoints Company, Inc., West Sayville, N. Y., a corporation of New York. Oysters in Their Natural State. Class 46.

296,258. PUROPALE. Registered Aug. 2, 1932. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Aug. 2, 1952. Hydrocarbon Motor Fuel Oils, Lubricating Oils, Etc. Class 15.

296,452. TELL-IT-TO-THE-JUDGE. Registered Aug. 9, 1932. Parker Brothers, Inc., Portland, Maine, and Salem, Mass., a corporation of Maine. Renewed Aug. 9, 1952. Board Game Played With Movable Pieces. Class 22.

296,462. TRU-FLESH. Registered Aug. 9, 1932. Ideal Novelty & Toy Co., Brooklyn, N. Y. Renewed Aug. 9, 1952, to Ideal Toy Corporation, Hollis, N. Y., a corporation of New York. Dolls. Class 22.

296,481. "CHEER LEADER" AND DRAWING. Registered Aug. 9, 1932. Neisner Brothers, Inc., Rochester, N. Y., a corporation of New York. Renewed Aug. 9, 1952. Dress, Negligee, and Work Shirts, Blouses, Underwear, Etc. Class 39.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

257,336. PURE GOLD. Registered June 4, 1929. The Colorado Milling & Elevator Co., Denver, Colo. Wheat Flour. Class 46. Restricted to that area of the United States excluding the area comprising Michigan, Virginia, and North Carolina, by order of the Commissioner dated May 6, 1952, following decision on Concurrent Use Proceeding No. 57, *King Milling Company v. The Colorado Milling & Elevator Co.*

552,069. "A I L" AND DESIGN. Registered Dec. 11, 1951. Airborne Instruments Laboratory, Inc., Mineola, N. Y. Engineering and Research Services for the Airplane, Radar, Communication, and Telemetering Industries in the Design and Development of Ground and Airborne Antennas, Etc. Class 100. Corrected as follows: In the certificate, lines 3 and 4, second occurrence, and in the statement, lines 2 and 3, "New York" should be *Delaware*.

553,468. AMERSEAL. Registered Jan. 15, 1952. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Electrical Cable. Class 21. Corrected as follows: In the statement, column 2, lines 3, 4, and 6, "November 4" should be *October 31*.

553,469. AMERSHEATH. Registered Jan. 15, 1952. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Electrical Cable. Class 21. Corrected as follows: In the statement, column 2, lines 4, 5, and 7, "October 31" should be *July 30*.

555,429. SANA GLOW. Registered Feb. 26, 1952. Huntington Laboratories, Inc., Huntington and Tipton, Ind. Liquid for Cleaning, Preserving, and Polishing Surfaces. Class 4. Corrected as follows: In the certificate, line 3, and in the heading to the statement, "and Tipton" should be deleted; and in the statement, line 4, second occurrence, "Tipton" should be deleted and *Huntington* inserted in lieu thereof.

557,006. MULTI-GRIP. Registered Apr. 1, 1952. The McKay Company, Pittsburgh, Pa. Tire Chains. Class 13. Corrected as follows: In the certificate, line 3, and in the statement, line 2, "Delaware" should be *Pennsylvania*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

42,663. OLD NO. 7. Registered May 24, 1904. Renewed May 24, 1934. Jack Daniel. Whiskies. Class 49. New certificate under section 7(c) issued June 3, 1952, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee.

44,460. OLD NO. 7. Registered July 4, 1905. Renewed July 4, 1925. Re-renewed July 4, 1945. Jack Daniel. Whisky. Class 49. New certificate under section 7(c) issued June 3, 1952, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee.

75,469. NO. 7. Registered Oct. 5, 1909. Renewed Oct. 5, 1929. Re-renewed Oct. 5, 1949. Jack Daniel. Straight Whisky. Class 49. New certificate under section 7(c) issued June 3, 1952, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee.

120,245. BOURJOIS. Registered Jan. 29, 1918. Renewed Jan. 29, 1938. A. Bourjois & Co., Inc. Toilet Soap. Class 52. New certificate under section 7(c) issued June 3, 1952, to Bourjois, Inc., New York, N. Y., a corporation of New York.

314,108. TOPAZ. Registered June 19, 1934. Lem Motlow, doing business as Jack Daniel Distilling Co. Whiskey. Class 49. New certificate under section 7(c) issued June 3, 1952, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee.

323,914. JACK DANIEL. Registered May 7, 1935. Lem Motlow, doing business as Jack Daniel. Whiskey. Class 49. New certificate under section 7(c) issued June 3, 1952, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee.

362,813. WHISKEY MADE AS OUR FATHERS MADE IT. Registered Nov. 29, 1938. Lem Motlow. Whiskey. Class 49. New certificate under section 7(c) issued June 3, 1952, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee.

546,823. SEVEN TEST. Registered Aug. 21, 1951. Chester H. Roth Co., Inc. Hosiery. Class 39. New certificate under section 7(c) issued June 3, 1952, to Grayson-Robinson Stores, Inc., New York, N. Y., a corporation of California.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 290,752. Registered Jan. 12, 1932. The Associated Portland Cement Manufacturers, Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.

SNOWCRETE

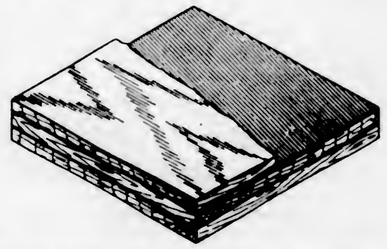
For Portland Cement.
Claims use since Apr. 9, 1929.

Reg. No. 291,241. Registered Feb. 2, 1932. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

ROYALITE

For Rubber Flooring Made Principally of Rubber, Vulcanizing and Curing Ingredients, and Pigments.
Claims use since Aug. 8, 1930.

Reg. No. 397,154. Registered Aug. 25, 1942. Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware. Republished by registrant, present address Aberdeen, Wash.



The trade-mark consists of a thin line of green color applied along each of the glue lines appearing at the edge of the plywood, no claim being made to the representation of the goods per se.
For Plywood.
Claims use since Oct. 8, 1940.

Reg. No. 409,479. Registered Oct. 10, 1944. Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware. Republished by registrant, present address Aberdeen, Wash.

Harborite

For Plywood.
Claims use since Oct. 16, 1943.

Reg. No. 412,919. Registered Apr. 3, 1945. Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware. Republished by registrant, present address Aberdeen, Wash.

SUPER-Harborite

For Plywood.
Claims use since June 10, 1943.

Reg. No. 418,092. Registered Dec. 4, 1945. Harbor Plywood Corporation, Hoquiam, Wash., a corporation of Delaware. Republished by registrant, present address Aberdeen, Wash.

SUPER-Harbord

The word "Harbord" is disclaimed apart from the mark as shown.
For Plywood.
Claims use since Dec. 3, 1936.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 339,593. Registered Oct. 13, 1936. Chicago Pharmacal Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PHENINE

For Tablets for the Relief of Headache, Neuralgia, and Pains.
Claims use since Nov. 1, 1900.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 292,957. Registered Mar. 29, 1932. United States Rubber Company, New York, N. Y., a corporation of New Jersey. Republished by registrant.

ROYAL

For Rubber Covered Rollers Used in Newspaper, Off-Set, and Direct Printing Presses for Conveying Printing Ink From the Ink Fountain to the Final Printing Form Through a Series of Intermediate Rollers.
Claims use since Sept. 4, 1930.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 85,828. Registered Mar. 19, 1912. New York Belting & Packing Co. Ltd., New York, N. Y., and Passaic, N. J. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

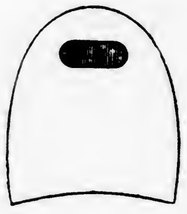
FIRO

For Machinery Packing Composed of Rubber and Rubber Combined With Fibrous and Granular Material.
Claims use since Nov. 9, 1908.

CLASS 39

CLOTHING

Reg. No. 85,289. Registered Feb. 6, 1912. Revere Rubber Company, Chelsea, Mass. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.



No claim is made to the outline of the heel. The drawing is lined for red.
For Rubber Heels and Soles of Boots and Shoes.
Claims use since Aug. 15, 1911.

Reg. No. 290,411. Registered Jan. 5, 1932. Church & Company Limited, Northampton, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.

CHURCH

For Boots, Shoes, Gaiters and Spats Made Wholly or in Part of Leather or Fabric.
Claims use since the year 1880.

Reg. No. 290,816. Registered Jan. 19, 1932. Richards & Brennan Co., Randolph, Mass. Republished by Charles A. Eaton Company, Brockton, Mass., a corporation of Massachusetts.

STOUT-FLEX

For Leather and Fabric Boots and Shoes.
Claims use since Aug. 24, 1931.

Reg. No. 291,884. Registered Feb. 23, 1932. The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Republished by United States Rubber Company, New York, N. Y., a corporation of New Jersey.

TOP NOTCH BUDDY

For Waterproof and Canvas Rubber-Soled Footwear—Namely, Rubber Boots, Lumbermen's Rubber Boots and Shoes, Rubber and Cloth Gaiters, Rubber Galters, Gum Shoes, and Canvas Rubber-Soled Shoes.
Claims use since Sept. 1, 1921.

Reg. No. 293,540. Registered Apr. 26, 1932. Julius Kayser & Co., New York, N. Y., a corporation of New York. Republished by registrant.

Whymsy's

For Ladies' Underwear.
Claims use since Nov. 15, 1931.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 299,342. Registered Nov. 29, 1932. Courtaulds, Limited, London, England, a British company. Republished by registrant.

COURTAULDS

For Piece Goods Made of Cellulose Yarns.
Claims use since the year 1910.

CLASS 43

THREAD AND YARN

Reg. No. 237,082. Registered Jan. 3, 1928. Courtaulds, Limited, London, England, a British company. Republished by registrant.

FIBRO

For Cellulose Filaments Limited in Length and Supplied in Untwisted Form for All Spinning Purposes.
Claims use since 1918.

PLANT PATENTS

GRANTED JUNE 3, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,101
CHAMAELAUCIUM PLANT
James G. Schilt, near Fallbrook, Calif.
Application April 30, 1951, Serial No. 223,683
1 Claim. (Cl. 47—60)

The new and improved variety of chamaelaucium plant, substantially as herein shown and described, characterized particularly in comparison with other known varieties, by its heavier plant growth; its more abundant and longer foliage, usually attached at a more acute angle; its often gracefully plumed terminal leaf branches; its larger flowers; and the darker color of its flowers.

PATENTS

GRANTED JUNE 3, 1952

2,598,659

PREPARATION OF DIAGNOSTIC ANTIGENS

Carl J. De Boer, Perth Amboy, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application April 20, 1949, Serial No. 88,690

3 Claims. (Cl. 167—78)

1. A method of preparing complement-fixing diagnostic antigens which comprises the steps of drying fat-bearing tissue containing naturally occurring syphilitic antigens and antigens resulting from the growth therein of an infectious agent of the group consisting of viruses and Rickettsiae without substantial destruction of the antigens contained therein by subjecting the antigen bearing tissue to freezing temperature and vacuum, extracting the preparation with dichloroethylene to remove the syphilitic antigens associated therewith, suspending the extracted tissue in water and separating the water insoluble matter from the resulting solution which contains water-soluble dichloroethylene-insoluble complement-fixing antigens.

2,598,660

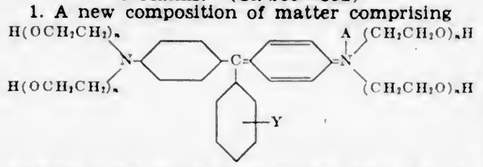
TRIPHENYLMETHANE DYES

Samuel A. Glickman, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 16, 1948, Serial No. 65,727

8 Claims. (Cl. 260—391)

1. A new composition of matter comprising



wherein n is a small whole number from 2 to 10, wherein Y is selected from the group consisting of hydrogen, lower alkyl, halogen, nitro, amino-alkyl, amino bis-2 hydroxy ethyl amino, sulfo, carboxyl, carbalkoxy and alkoxy, and where A is an anion of a strong mineral acid.

2,598,661

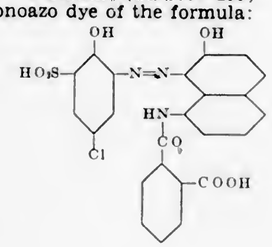
MONOAZO DYESTUFFS

Harry W. Grimmel, Providence, R. I., Ludwig Richter, Easton, Pa., and Jack F. Morgan, Delmar, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 8, 1950, Serial No. 166,986

1 Claim. (Cl. 260—199)

The monoazo dye of the formula:



2,598,662

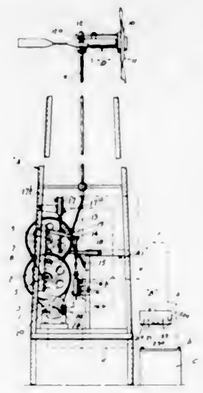
CONTROL APPARATUS FOR BATTERY WIND CHARGERS

Roy N. Gurley, Leslie R. Gurley, and Cecil N. Gurley, Calgary, Alberta, Canada

Application January 10, 1950, Serial No. 137,704

In Canada July 25, 1949

4 Claims. (Cl. 290—44)



1. In a wind-driven electric battery charging unit, the combination of a fluid filled battery to be charged, a propeller, a hub mounted on a shaft associated with said propeller, a brake-rod associated with the propeller through this hub, braking means activated by the vertical movements of said brake-rod as applied thereto by an associated source of energy for stopping the rotation of the propeller in association with and corresponding with the changes in the specific gravity of the fluid in said battery, a float in said battery buoyantly influenced by the changes in the specific gravity of the battery fluid, a reversible type motor electrically connected for the reciprocal operation of said brake-rod, a terminal on said motor so connected with the windings thereof for clockwise rotation of the motor, a terminal on said motor so connected with the windings thereof for anti-clockwise rotation of the motor, a reversing-motor switch for said motor between same and said battery, said switch being activated by the movements of said float due to its buoyancy in the battery fluid, reduction gearing between said motor and said brake-rod, a pair of reciprocal slide type twin-pole motor control switches, one pole of one of said switches being electrically connected with the motor terminal for clockwise rotation of the motor, and one pole of the other of said switches being electrically connected with the motor terminal for anti-clockwise rotation of the motor, and lever means operated by said reduction gearing for opening one of said twin-pole switches and closing the other one alternately to correspond with the alternate clockwise and anti-clockwise rotation of said motor and gearing, in order to stop said motor after the same has actuated said brake-rod via said gearing sufficiently to effect the automatic release or stoppage of said propeller.

2,598,663

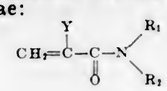
COPOLYMERS OF UNSATURATED ALKYD RESINS AND ACRYLAMIDO COMPOUNDS

Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

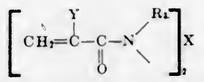
No Drawing. Original application October 31, 1946, Serial No. 707,043. Divided and this application April 21, 1948, Serial No. 22,494

14 Claims. (Cl. 154—43)

1. As a new product, a resinous interpolymer obtained by polymerization of a plurality of copolymerizable materials comprising a polymerizable unsaturated alkyd resin containing a plurality of polymerizably reactive alpha,beta-enal groups and a compatible monomeric copolymerizable substance selected from the group consisting of compounds having the following general formulae:



and



in which Y is a member of the group consisting of hydrogen and alkyl radicals of 1 to 2 carbon atoms, R_1 is selected from the group consisting of hydrogen and alkyl, alkylol, aryl, and aralkyl radicals, R_2 is selected from the group consisting of alkyl, alkylol, aryl and aralkyl radicals, R_3 is selected from the group consisting of hydrogen and alkyl, aryl and aralkyl radicals, and X is an alkylidene radical.

2,598,664

COPOLYMERS OF UNSATURATED AMIDO COMPOUNDS

Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 15, 1951, Serial No. 246,883

15 Claims. (Cl. 260—45.4)

1. A polymerizable composition comprising a polymerizable unsaturated alkyd resin containing a plurality of polymerizably reactive alpha, beta-enal groups and a compatible monomeric allyl ester of a member of the group consisting of carbamic acid and mono-N-substituted carbamic acids and di-N-substituted carbamic acids wherein the N-substituent is selected from the group consisting of alkyl radicals, alkenyl radicals, alkylol radicals, aryl radicals and aralkyl radicals.

2,598,665

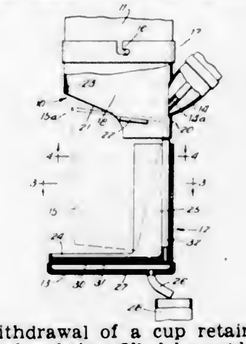
CUP SUPPORT AND DRAIN

Sherburne D. Levings, Winnetka, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application May 17, 1947, Serial No. 748,819

4 Claims. (Cl. 225—21)

1. In a cupped beverage dispenser the combination including a filling nozzle inclined at an angle with the vertical, a vertical tube for conveying cups one at a time from a storage space to a position below said nozzle, a projection on the inside of said tube disposed at a point below said nozzle, said projection being slightly inclined to the horizontal, the ends of said projection adjacent said nozzle being lowermost, and a cutaway portion on the side of said tube opposite said nozzle below said inclined projection for withdrawal of a cup retained on said projection after being filled by said nozzle.



2,598,666

WAX COMPOSITION

Louis M. Sesso and Anna Mae Jordan, Racine, Wis., assignors to S. C. Johnson & Son, Inc., Racine, Wis.

No Drawing. Application June 30, 1948, Serial No. 36,287

10 Claims. (Cl. 106—10)

1. An aqueous wax composition consisting essentially of from 3 to 14% by weight of a wax selected from the group consisting of ouricury, carnauba, beeswax, paraffin and mixtures thereof, from 3 to 30% of a material selected from the group consisting of monohydroxy aliphatic alcohols having from 1 to 4 carbon atoms, acetone, dioxane, ethylene glycol monoethyl ether, ethylene glycol monomethyl ether, ethylene glycol diethyl ether and mixtures thereof, an emulsifying agent and the major portion by weight of water.

2,598,667

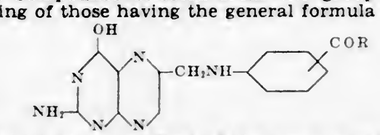
PTEROIC ACIDS AND PROCESS OF PREPARING SAME

Coy W. Waller and John H. Mowat, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Original application July 23, 1945, Serial No. 606,704. Divided and this application April 12, 1947, Serial No. 741,003

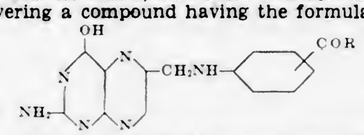
11 Claims. (Cl. 260—251.5)

1. Compounds selected from the group consisting of those having the general formula



in which R is a radical of the group consisting of OH and OR', R' being an alkyl radical, and the salts of such compounds.

5. A method which comprises mixing together 2,4,5-triamino-6-hydroxypyrimidine, alpha, beta-dihalopropionaldehyde, and in aromatic amine of the group consisting of aminobenzoic acid, its salts and its esters, and after reaction thereof recovering a compound having the formula



in which R is a radical of the group consisting of —OH, —OMe, and —OR', R' being an alkyl radical and Me being a cationic salt forming radical.

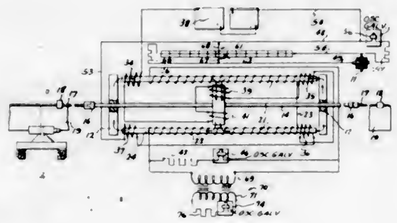
2,598,668

MEANS FOR THE ELECTRICAL MEASUREMENT AND RECORDING OF ACCELERATION, VELOCITY, AND DISPLACEMENTS OF MOVING BODIES

Robert L. Barry and Chester C. Boesewetter, Downers Grove, Ill., assignors to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Continuation of application Serial No. 635,370, December 15, 1945. This application January 14, 1949, Serial No. 70,942

28 Claims. (Cl. 346—33)



22. A device for measuring velocity, acceleration and displacement of a reciprocating body including a rectilinear generator having two elongated stationary armature coils having a constant lead and a field movable along said coils to induce a rippleless voltage in said coils directly proportional to the velocity of the reciprocating body, a source of electric power to excite said field, an operative connection from said reciprocating body to said field to reciprocably move said field, means connected across said armature coils for measuring and recording the output voltage of said generator and the velocity of said reciprocating body, a differentiator connected to receive the output voltage of said generator and deliver an output voltage substantially linearly proportional to the time derivative of the input voltage, means for recording the trace of the voltage so differentiated by said differentiator, a pair of slide wires extending along said coils and connected with said source of power, a slide connected with said field and forming a slidable conductor engaging both of said slide wires to complete a circuit therethrough, and means for measuring and tracing the change in voltage at the point where said slide engages said wires as said field and slide move therealong, to measure the displacement of said reciprocating body, and a calibrating bar having a central conductor connected in series with said wires and having a plurality of uniformly spaced conductors connected with said central conductor and adapted to be engaged by said slide, insulating means separating said spaced conductors to cause a momentary decrease in resistance as said slide engages said spaced conductors and provide humps in the displacement curve traced by said measuring and tracing means, to accurately determine the exact part of the stroke of the reciprocating body where the changes in velocity, acceleration and displacement thereof occur.

2,598,669

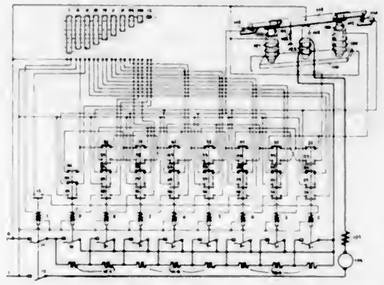
CURRENT RESPONSIVE ACCELERATION CONTROL FOR ELECTRIC MOTORS

Emilio Battilana, Genoa-Cornigliano, Italy, assignor, by mesne assignments, to Soc. Per Azioni Stabilimenti Elettromeccanici Riuniti Ansaldo San Giorgio, Genoa, Italy, a company of Italy

Application February 16, 1949, Serial No. 76,674

In Italy February 23, 1948

4 Claims. (Cl. 318—394)



1. In an oscillatory device for controlling the starting of electric motors, the combination of a control circuit having two series of control devices inserted therein, each said control device having two contact elements, a bar of magnetic material mounted for oscillatory movement about a pivot, a contact carried by each end of the bar, respective cooperative contact plates each having circuit connections to one of the contact elements of one series of control devices for said starting, a magnetic bridge the two ends of which are located in operative relation to the respective ends of said bar, like voltage coils carried on each of said bridge ends respectively, one end of the two coils being connected to one pole of the feeding line of the motor and of the control circuit, the other ends of said coils being connected to other contact elements of said control devices and thereby to the other pole of said feeding line.

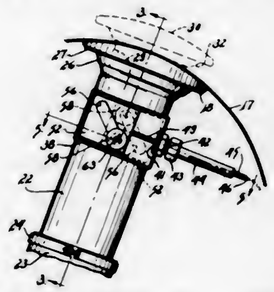
2,598,670

FILLING SPOUT

Howard C. Bentley, Detroit, and Robert J. Bentley, Monroe, Mich.; Rose Bentley, Monroe, Mich., special administratrix of said Robert J. Bentley, deceased

Application April 1, 1946, Serial No. 658,654

6 Claims. (Cl. 220—86)



6. A filling spout construction of the class described comprising an outer tube; an inner tube slidably mounted in said outer tube and adapted for fully telescoping therein and having an opening formed therethrough communicating with an axially directed peripheral groove formed on said inner tube, said peripheral groove communicating with a circumferential groove formed on said inner tube adjacent its inner end, said outer tube having a longitudinally directed slot in alignment with said opening; a locking mechanism mounted on said outer tube; a plunger on said locking mechanism projecting inwardly through said slot in said outer tube through the opening formed in said inner tube for locking said tubes in fixed relation upon fully telescoping of said inner tube in said outer tube; a cam mechanism for moving said inner tube outwardly of said outer tube, said plunger moving in unison with said inner tube and riding in said slot in said outer tube; a cam mechanism operable upon an outward movement of said inner tube for withdrawing said plunger from said opening, and, upon further outward movement of said inner tube, the inner end of said plunger engages and rides in said axially directed groove.

2,598,671

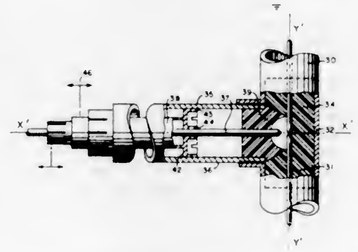
FREQUENCY DISTINGUISHING DEVICE

Lawrence W. Boothby, Alexandria, Va.

Application October 16, 1945, Serial No. 622,659

3 Claims. (Cl. 178—44)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A frequency distinguishing device comprising a coaxial line including an outer conductor and a central conductor, an outer conducting cylinder, said outer conductor of said line provided with an opening, means securing one end of said cylinder to the outer conductor of said line coincident with the periphery of said opening, a reciprocable central conducting rod concentrically mounted in said cylinder, a cylindrical sleeve disposed concentrically between said conducting cylinder and said rod, a shorting contactor mounted on the end of said sleeve nearest said one end of said cylinder for short circuiting said cylinder and said central conducting rod, said sleeve extending axially beyond the other end of said outer conducting cylinder, first flexible contactor means secured to said other end of said cylinder for electrically short circuiting said cylinder and said sleeve, said central conducting rod extending axially beyond the other end of said sleeve, second flexible contactor means secured to said other end of said sleeve for electrically short circuiting said sleeve and said rod, and means reciprocating said central conducting rod through said opening into and out of contact with a portion of the central conductor of said line.

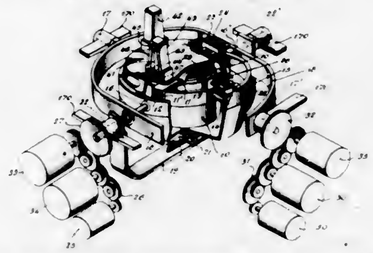
2,598,672

MARINE GYRO VERTICAL

Frederick D. Braddon, Babylon, Lennox F. Beach, Port Washington, Loren J. Delanty, Baldwin, and Victor Vacquier, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware

Application August 1, 1945, Serial No. 608,140

9 Claims. (Cl. 74—5.47)



1. A pendulous controller for controlling the application of erecting torques to a gyro vertical comprising an enclosing casing of conducting material, a reed or inverted pendulum consisting of an electrically conducting rod with its lower end resiliently attached to said casing and carrying at its upper end a plurality of vanes or plates of conducting material, a plurality of corresponding plates fixed inside said casing and insulated therefrom and forming, with the plates on the reed, a variable capacity, and a nonconducting viscous liquid in said container acting as a mechanical damper of the vibrations of the reed and also as the dielectric between the plates.

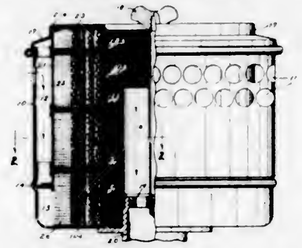
2,598,673

HIGH-CAPACITY OIL BATH FILTER

Jacob K. Brixius and Robert Gorden Hanneman, Cleveland, Ohio, assignors to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware

Application June 20, 1947, Serial No. 756,014

7 Claims. (Cl. 183—15)



1. In a liquid bath filter having a housing for holding a washing liquid bath in the bottom thereof, having a cylindrical outer wall of said housing and a cylindrical skirt spaced inwardly therefrom providing an annular air inlet chamber directing air into said bath, there being air inlet means near the top of said chamber, having an annular filter element spaced inwardly from said skirt providing an annular air uptake chamber between said skirt and element and providing an air discharge chamber centrally of said element, having means for discharging air out of the upper portion of said discharge chamber, and having a top and baffle means compelling flow of air downwardly in said air inlet chamber, through said bath where it

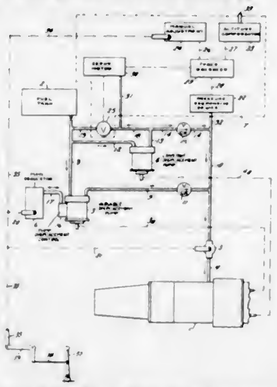
picks up liquid, upwardly in said uptake chamber and radially inwardly through said filter element, the combination therewith of said skirt extending substantially to the top level of said bath, and a limited number of bodies of a filamentary character substantially evenly spaced in said uptake chamber, said bodies being of a size and number to thoroughly break up liquid globules carried out of said bath while not appreciably increasing the resistance to air flow through said filter, said baffle means including a substantially imperforate baffle ring extending from the bottom of said liquid bath to a level above said bath, said baffle ring having a diameter close to the outside diameter of said annular filter element, and said filamentary bodies substantially filling said annular uptake chamber.

2,598,674

FUEL SYSTEM FOR THERMAL POWER PLANTS

Neil Burgess, Melrose, Mass., assignor to General Electric Company, a corporation of New York

Application July 6, 1949, Serial No. 103,264
5 Claims. (Cl. 158—36.4)



1. A fuel system for a thermal powerplant comprising fuel supply means, conduit means connecting said supply means to the powerplant and including a variable displacement pump and a constant displacement pump connected in parallel flow relation, hydraulically actuated means for regulating the flow of fuel to the powerplant including means for changing the displacement of said variable pump, conduit means for bypassing fuel in excess of that required for operation of the powerplant, and second regulating means connected in series flow relation with said bypass conduit means for varying the rate of flow of bypassed fuel, said second regulating means including valve means and valve positioning means connected to said valve means and operable in response to variations in the pressure of the fuel delivered to the powerplant.

2,598,675

LOW WATER-LOSS CEMENT SLURRY AND METHOD OF CEMENTING A WELL THEREWITH

Howard G. Cutforth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application November 28, 1949, Serial No. 129,880
12 Claims. (Cl. 166—22)

1. A cement capable of forming a fluid slurry when mixed with water, said cement comprising a hydraulic cement mixed with a minor proportion of 2-hydroxy-Δ3 butenyl ether of cellulose.

2,598,676

APPARATUS FOR ELIMINATING THE LINEAR TEXTURE OF A PICTURE IN PROJECTION AND IN OPTICAL PRINTING BY PROJECTION

Anne Henri Jacques de Lassus Saint-Genies, Versailles, France

Application February 29, 1948, Serial No. 12,206
In France November 12, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 12, 1961
9 Claims. (Cl. 88—24)



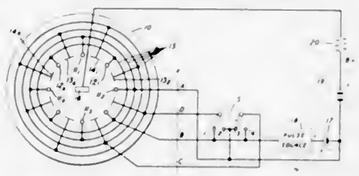
1. A system for projecting on an image receiving surface an image contained on a translucent color film which has cylindrical corrugations running in a predetermined direction, comprising, an optical system having a focal length, a source of light, means for projecting said light through said translucent color film to said image receiving surface, via said optical system, the relative distances of said translucent color film, said optical system, and said image receiving surface, and said focal length being such that each point of said image on said translucent color film is defocused in all directions sufficiently to eliminate from said image as it appears on said image receiving surface all lineated structure due to said cylindrical corrugations, and a further cylindrical lens system for restoring the sharpness of adjacent points of said image as they appear on said image receiving surface, said adjacent points taken solely in said predetermined direction.

2,598,677

MULTICATHODE GLOW DISCHARGE DEVICE

Wallace A. Depp, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 15, 1949, Serial No. 133,196
23 Claims. (Cl. 313—188)



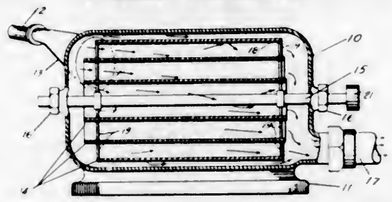
1. A gaseous discharge device comprising an array of cathodes, means connecting said cathodes electrically in two groups with the cathodes of the two groups in alternate relation, an anode opposite said cathodes, and means for stepping a discharge in either of two directions along said array comprising auxiliary electrode means one for each pair of adjacent cathodes, means for selectively connecting said auxiliary electrode means each to either of the adjacent cathodes and means for impressing signals between said two groups of cathodes.

2,598,678

FLUID BLADELESS TURBINE

Basil W. Dennis, Baltimore, Md.

Application June 5, 1946, Serial No. 674,466
9 Claims. (Cl. 253—50)



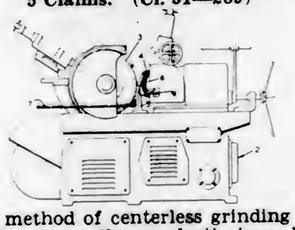
1. A fluid turbine propelled by a fluid under pressure, comprising in combination, a housing, cylinders having plane circumferential surfaces rotatable in the housing, nozzle means attached to the housing directed toward the cylinders for guiding said fluid against the peripheral surfaces of the cylinders in an angular direction thereto, to provide a helical path therefor around it and induce a drag to rotate the cylinders, and means for the transmission of power by said cylinders connected thereto.

2,598,679

METHOD OF ABRADING

Edward L. Dryer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application June 30, 1948, Serial No. 36,013
5 Claims. (Cl. 51—289)



1. In a method of centerless grinding a workpiece containing a thermoplastic ingredient the steps comprising rotating an abrading surface in engagement with said workpiece at an abrading zone in which thermoplastic ingredient is imbedded in said abrading surface, heating the abrading surface as it leaves the abrading zone by directing steam under pressure against said surface to melt said thermoplastic ingredient and remove the same from said abrading surface, and thereafter cooling said surface prior to its re-entrance into the abrading zone.

2,598,680

TOBACCO PRODUCT AND METHOD OF MANUFACTURE

Walter G. Frankenburg, Millersville, Pa., assignor to General Cigar Co., Inc., New York, N. Y., a corporation of New York

No Drawing. Application June 13, 1947, Serial No. 754,595
14 Claims. (Cl. 131—140)

7. The improved process of converting tobacco into a physically continuous and coherent form adapted for smoking, which comprises dry-grinding tobacco, mixing the dry-ground tobacco and a viscous aqueous solution of a water-soluble cellulose derivative in proportions to form a cohesive paste substantially free of exudation of said solution, said viscous aqueous solution having a viscosity of at least 1500 centipoises at a temperature of 25° C., shaping said paste, treating the shaped paste with a tannin, and drying said shaped and treated paste into a physically continuous and coherent form adapted for smoking.

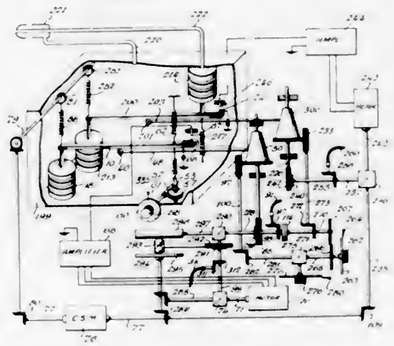
11. In the manufacture of smoking products, the improvement which comprises dry grinding tobacco, mixing dry-ground tobacco with a quantity of a viscous aqueous solution of a water-soluble cellulose derivative sufficient to form a cohesive paste but insufficient to permit exudation of said solution from said paste, said viscous aqueous solution having a viscosity of at least 1500 centiposes at a temperature of 25° C., pressing said paste into a thin layer, applying a tannin to the surface of said layer, and drying said layer to a coherent sheet.

2,598,681

TRUE AIR SPEED AND TRUE ALTITUDE RATE METER

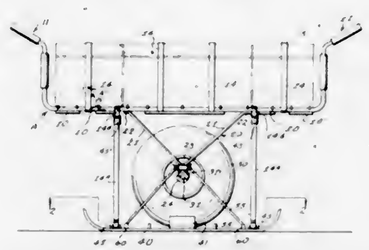
Robert F. Garbarini, Woodside, and John R. Ericson, Westbury, N. Y., assignors to The Sperry Corporation, a corporation of Delaware

Application June 29, 1946, Serial No. 680,366
11 Claims. (Cl. 73—182)



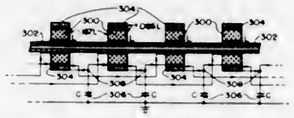
1. A true air-speed meter comprising a lever, coplanar flat suspension springs for the lever at the ends thereof, a movable fulcrum for the lever, a plurality of force applying means for the lever including a bellows actuated according to dynamic pressure connected to one arm thereof, a second bellows actuated according to static pressure connected to the opposite arm of the lever, means for oscillating the fulcrum about a position wherein the lever is in balanced condition to obtain a measure of the ratio of the forces applied to the lever which comprises a cam laid out in accordance with functions of air pressure and temperature, a follower for said cam operable to displace the fulcrum, motor means for actuating the cam, including an intermittently operable servomotor controllable by the lever when displaced in a predetermined direction from a balanced condition, and a true air-speed measuring device actuated by the motor means in fixed relation with the cam.

2,598,682
SKI ATTACHMENT FOR WHEELED VEHICLES
Cash E. Giovannoni, Boulder City, Nev.
Application September 9, 1949, Serial No. 114,859
3 Claims. (Cl. 280—14)



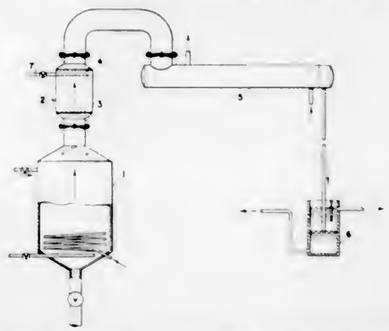
1. A ski attachment for a mobile pack carrier including a frame, a pair of spaced suspension braces dependingly carried contiguous to the sides of said frame, and a supporting wheel positioned longitudinally of and between said suspension braces and rotatably supported therebetween, said attachment comprising a double-ended ski, a pair of longitudinally extending transversely disposed upstanding ears positioned intermediate the ends of said ski and secured therebetween for embracingly receiving and supporting said wheel therebetween, a frame engaged about each of said suspension braces and removably supported thereon, each of said frames comprising a pair of side bars arranged in spaced parallel relation with respect to each other and adapted for engagement with opposed faces of the adjacent one of said pairs of suspension braces, a nut-and-bolt assembly carried transversely of each end of said pair of side bars and operatively connected thereto for urging said side bars into clamping engagement with said suspension bars, a spacer element circumposed about the bolt of each of said assemblies intermediate said pair of side bars, and brace rods extending between the ends of said ski and the spacer element of the adjacent one of said frames and operatively connected therebetween.

2,598,683
CORRECTED DELAY LINE
Marcel J. E. Golay, Long Branch, N. J.
Application February 5, 1946, Serial No. 645,679
43 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A phase-corrected delay line of the ladder-type including a plurality of line coils and a plurality of phase-correcting reactive components coupled to said line coils, said components providing, from the junction of each adjacent pair of said coils to adjacent and successively more remote junctions, corrective couplings of successively reversing polarity and decreasing value.

2,598,684
PINE GUM DISTILLATION
Leo A. Goldblatt, New Orleans, La., and Nealy C. McConnell, Olustee, and Hugh B. Summers, Jr., Lake City, Fla., assignors to the United States of America as represented by the Secretary of Agriculture
Application May 11, 1950, Serial No. 161,442
4 Claims. (Cl. 202—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



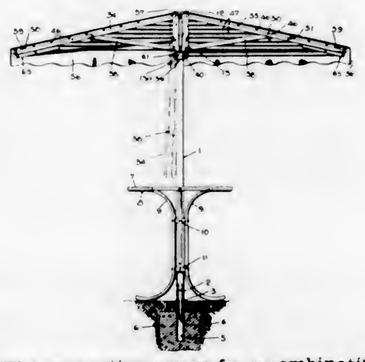
1. The method of distilling pine gum comprising vaporizing the turpentine in the pine gum by means of heat and steam thereby producing a stream comprising turpentine and water vapors, passing this vapor stream through a zone packed with glass fibers, condensing the vapor stream, and recovering turpentine from the condensate

2,598,685
MATERIAL HANDLING MACHINE
Jasper Greenlief, Camden, Ill.
Application November 2, 1950, Serial No. 193,627
9 Claims. (Cl. 214—180)



1. A material handling apparatus comprising a motor driven tractor chassis supported on front and rear wheels; a carrier frame assembly having elongate side rails mounted on said chassis; guide means on said rails; and a hydraulic cylinder and piston alongside said carrier rails; a slide frame having side rails above said carrier rails; angular straps on said slide frame rails interengaged with said guide means; means coupling said slide frame to said carrier piston whereby forward and rearward reciprocal movements are imparted to said slide frame; and a work-performing assembly mounted on said slide frame for movement therewith and also adapted for angular movement independently thereof, said work assembly comprising a cantilever structure the rear portion of which is pivotally connected to said slide frame and the forward portions extends beyond the front end of said slide frame and is free for up and down movement to raise lower an implement thereon; an elongate lever pivotally connected intermediate its ends to said work assembly, said lever having a normally free upper end beyond said pivot and connected to an implement pivoted at the forward end of said work frame for operating said implement, the lower other end of said lever being attachable at a plurality of locations on the apparatus to selectively predetermine the degree of elevation of the forward end of said work assembly; and power means for moving said work frame independently of said slide frame to elevate said implement.

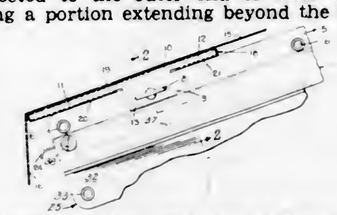
2,598,686
FOLDING CLOTHES DRIER
Harry L. Griffin, New York, N. Y., assignor to Dry-Or-Shade, Inc., New York, N. Y., a corporation of New York
Application March 11, 1950, Serial No. 149,199
3 Claims. (Cl. 211—178)



2. The supporting means for a combination sun shade and clothes drier including a post and an abutment mounted thereon for supporting a sun shade and clothes line sections—the supporting means characterized by a bracket, a plurality of sets of arms and links, each set including an arm and a link pivotally connected at their inner ends to said bracket, means releasably anchoring the outer end of each link to its associated arm, said means comprising a pair of ledges on each arm extending inwardly toward each other, a spring pivotally connected to the outer end of each link and slidably supported on said ledges so that when an arm is folded downwardly the end of its link will move toward the outer end of its arm, pins extending through said arms, there being a notch at the outer upper end of each link to receive the pin of an arm, and means for withdrawing a single link, without disturbing any of the other links, against the tension of its spring from anchoring engagement between its notch and the pin of an arm.

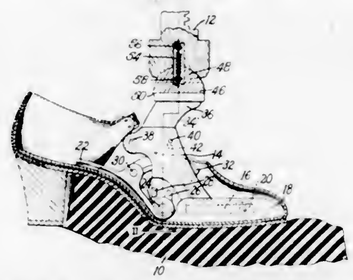
2,598,687
ANCHORING MEANS FOR THE CANOPY OF A COMBINATION SUN SHADE AND CLOTHES DRIER
Harry L. Griffin, New York, N. Y., assignor to Dry-Or-Shade, Inc., New York, N. Y., a corporation of New York
Application March 11, 1950, Serial No. 149,200
3 Claims. (Cl. 211—172)

1. In a combination sun shade and clothes drier, the combination of a post, supporting arms pivotally connected to said post to enable them to extend outwardly therefrom, a canopy extending across said arms and supported thereby, brackets secured to the inner face of the canopy in alinement with the arms, said arms each comprising a chambered portion with opposing inwardly extending ledges at its lower face and a fin extending upwardly from its upper face, there being openings in said fin to receive clothes line sections, an extension for each arm having an enlargement slidably mounted on said ledges and a downwardly extending fin, said downwardly extending fin having openings therein to receive clothes line sections, a control finger pivotally connected to the outer end of each arm and having a portion extending beyond the free end



of its associated arm, said control finger adapted to anchor said extension in extended or withdrawn position relative to its associated arm, and means for frictionally anchoring said brackets to said upwardly extending fins, one bracket for each arm, said brackets in outermost position on said arms extending beyond the free ends of said arms to support said canopy clear of said control fingers.

2,598,688
LAST
Helge Gulbrandsen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 24, 1950, Serial No. 140,338
7 Claims. (Cl. 12—123)

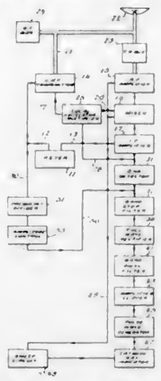


1. A last for shoe repair work comprising, in combination, a body portion, a forepart plate and a shank plate carried by the body portion and relatively movable about an axis located substantially at the ball line, and a member connected to one of said plates, said member being supported by the body portion and constructed and arranged to receive pressure applied to the last for locking said plates against movement relatively to each other.

2,598,689
NOISE REDUCTION SYSTEM FOR RADAR
William W. Hansen, Stanford University, Calif., and Edward J. Barlow, Rutherford, N. J., assignors to The Sperry Corporation, a corporation of Delaware
Application April 19, 1946, Serial No. 663,380
6 Claims. (Cl. 343—9)

1. In combination, means for producing a series of pulse signals, keying means coupled to said first-named means for alternately activating and de-activating said first-named means at a pre-

determined frequency, a band-stop filter coupled to the output of said first-named means for suppressing signals having frequencies substantially equal to the fundamental of said predetermined frequency, a full wave rectifier coupled to the output of said band-stop filter, a band-pass filter coupled to the output of said full wave

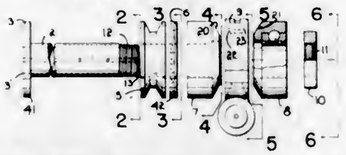


rectifier for passing signals having a frequency substantially equal to the fundamental of said predetermined frequency, a generator coupled to the output of said keying means for producing a signal having one-half the frequency of said predetermined frequency, and means coupling the output of said generator to the input of said band-stop filter.

2,598,690

CAM ENGAGED CLUTCH

Philip Hardcastle and Eric P. Reid, Houston, Tex.
Application February 20, 1948, Serial No. 9,857
2 Claims. (Cl. 192—93)



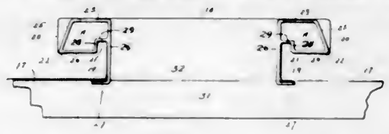
1. In a clutch mechanism comprising friction elements and a clutching element therebetween to be releasably interengaged thereby, the improvement comprising, a pair of throwout collars mounted coaxially of said elements and having opposed surfaces converging toward the axis of rotation, a wedge ring interposed between said collars and comprising pivotally interconnected sections having tapered surfaces complementary to the converging surfaces and the clutch collars, means normally urging the free ends of said sections apart, and manually operable means for moving said free ends toward each other whereby the clutch collars are separated to effect engagement of the friction and clutching elements.

2,598,691

AWNING CONSTRUCTION

Herbert M. Helt, Bellevue, Pa., assignor to Koolvent Metal Awning Corporation of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 3, 1946, Serial No. 659,349
8 Claims. (Cl. 20—57.5)

1. An awning roof construction comprising a lower series of spaced channels having upwardly-turned flanges, an upper series of channels positioned to extend over the adjacent flanges of two lower channels, the upper channels having downwardly-turned flanges with inwardly turned lips to overlie the channel webs, spaced fastening elements detachably securing the two series of channels together with the flanges of adjacent lower channels and the flanges of the overlying upper channel being spaced both vertically and



transversely to provide air flow passages between said channels, each fastening element having a flat back wall mounted to engage an upwardly-extending flange of a lower channel, a notch in the element to receive the lower channel flange and a body portion extending above said flange and outwardly from the flange under the web of an overlying upper channel, said body portion being interlocked between the lip on the upper channel flange and the web of said channel.

2,598,692

MANUFACTURE OF SODIUM 2,4,5-TRICHLOROPHENOXYACETATE

Gustav J. Henrich, Niagara Falls, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application May 2, 1950, Serial No. 159,641
4 Claims. (Cl. 260—521)

1. In the manufacture of sodium 2,4,5-trichlorophenoxyacetate by condensation of 2,4,5-trichlorophenol and chloroacetic acid in alkaline solution, the improvement which comprises forming an aqueous mixture containing sodium 2,4,5-trichlorophenate and sodium chloroacetate in approximately stoichiometric proportions and which contains from about 19 to about 50 moles of water to 1 mole of the sodium chloroacetate, reacting the mixture at elevated temperature for about 3 hours, maintaining the mixture in liquid slurry form by adding water during the course of the reaction in an amount at least sufficient to bring the total quantity of water used in the process to about 74 moles to 1 mole of sodium chloroacetate and recovering the solid product by separation from the reaction mixture.

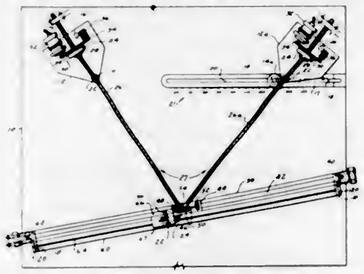
2,598,693

SHORAN INTERVALOMETER

James E. Henry, Dayton, Ohio
Application December 8, 1950, Serial No. 199,900
4 Claims. (Cl. 200—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An intervalometer attachment for a shoran straight line indicator which comprises, in combination, an intervalometer track for said attachment, means for parallelly securing said track to the track of said indicator, an intervalometer movable longitudinally on said intervalometer track, a casing for said intervalometer, side plates and a lid for said casing, roller shafts having rotative bearing in said side plates, rollers on said roller shafts for supporting said intervalometer as it is moved along said track, gear shafts having rotative bearing in said side plates, a rack extending longitudinally on said intervalometer

track inside the casing alongside one of said side plates, gears within said casing on said gear shafts, one said gear being adjacent to the one said side plate and in mesh with said rack, the other said gear being adjacent to the other said side plate and out of mesh with said rack, a contact wheel shaft, a large pinion on one end of the contact wheel shaft in mesh with the said one gear, a small pinion on the other end of the contact wheel shaft in mesh with the said other gear, a series of toothed contact wheels fast on the contact wheel shaft between said pinions, an externally threaded contact carrier shaft having rotative bearing in said side plates, an internally

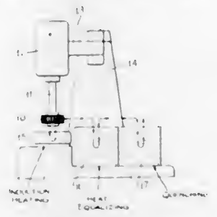


threaded contact carrier on said externally threaded shaft, a knob on said externally threaded shaft for rotating said externally threaded shaft to move said carrier axially thereon, a graduated indicator plate on the casing lid above said externally threaded shaft having indicia representing altitude in thousands of feet, means to electrically insulate said indicator plate from said casing, a vertically adjustable indicator adjustably and insulatedly secured to said carrier and a vertically adjustable contact member adjustably and insulatedly secured to said carrier and positioned to make contact upon rotation of said contact wheels with the teeth of one of said contact wheels.

2,598,694

PROCESS FOR HEAT-AND-QUENCH HARDENING IRREGULAR OBJECTS SUCH AS GEARS

Anton W. Herbenar, Ferndale, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1947, Serial No. 746,462
2 Claims. (Cl. 148—10.5)

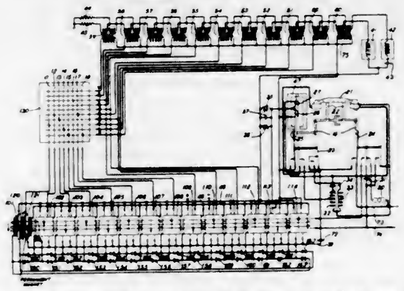


1. The method of heat-and-quench hardening ferrous articles of manufacture which comprises rapidly heating very thin surface portions only of the article to a temperature above the austenizing temperature while a portion of the object remains below the austenizing temperature, simultaneously rapidly lowering the temperature of the heated portion to a temperature slightly above the M_s temperature while at the same time heating the unheated portions of the article above the M_s temperature, continuing this simultaneous cooling and heating until substantially the entire object is approximately at the same temperature and further quenching the workpiece to a temperature below the M_f temperature.

2,598,695

IMPULSE SENDER WITH RELAY DISTRIBUTOR

Henry E. Hill, Livingston, N. J., and David B. Parkinson, Cleveland Heights, Ohio, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 10, 1949, Serial No. 115,016
6 Claims. (Cl. 179—90)

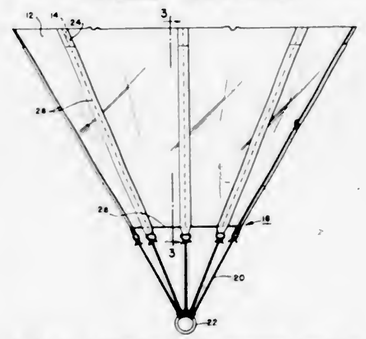


1. A telephone dialing system, apparatus for generating a start pulse and a plurality of stop pulses designating the identity of the numerals of a called designation, an output circuit, a manually operable selector switch, a plurality of relays, apparatus for actuating said relays one after the other in succession, interconnecting circuit means for interconnecting said manually operable selector and said apparatus for generating pulses and said relays for extending a different pulse transmission path to said output circuit for a selected one of said stop pulses during the actuation of each of a plurality of said relays, apparatus for applying alternating current to said relays for advancing them one relay for each half cycle of said alternating current.

2,598,696

BALLOON WITH NO LOAD RING

William F. Huch, St. Paul, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application February 13, 1951, Serial No. 210,716
8 Claims. (Cl. 244—31)



1. A high altitude load bearing balloon comprising a cone-shaped lower balloon body portion

having a plurality of vertically extending gores of thermoplastic gas proof sheet material heat sealed to each other at their adjacent edges to form seams corresponding to elements of the cone, said gores and seams terminating above the apex of the cone, a load bearing tape overlying each seam throughout the length of the latter, a load attachment member at the apex of the conical lower body portion, load lines extending from the attachment member to said load bearing tapes in exact prolongation of the latter, and adhesively coated attaching tapes forming a loop for each line at the lower end of said load bearing tapes, each attaching tape having its central portion folded to form the loop, with one end extending upwardly in adhesive engagement with the outside surface of at least a portion of the corresponding load bearing tape and with the other end extending upwardly in adhesive engagement with the inner surface of at least a portion of the corresponding seam and its adjacent gores.

2,598,697
METHOD AND APPARATUS FOR CONDUCTING GEOPHYSICAL SURVEYS
Homer Jensen, Philadelphia, Pa.
Application July 2, 1946, Serial No. 680,907
5 Claims. (Cl. 175—182)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



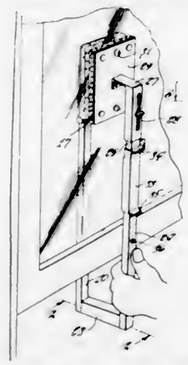
1. A method of geophysical surveying which comprises the steps of flying an aircraft and magnetometer apparatus associated therewith along a predetermined traverse, measuring the earth's total magnetic field producing a continuous record trace on a recording chart corresponding to the space changes in the absolute or static value of the earth's total magnetic field and simultaneously at each of a plurality of spaced intervals along the traverse edge-marking the recording chart and producing a first photographic record including an image of the terrain beneath the plumb line of the aircraft and a serial number identifying the photographic record with the corresponding edge-mark on the recording chart upon which the record trace appears and a second photographic record including a serial number corresponding to the serial number appearing on said first photographic record and also including data relating to the distance of the aircraft above the surface of the ground and to apparatus control dial settings relating to the sensitivity of the apparatus and the magnetic value of the base line of the recording chart.

2,598,698
METHOD AND APPARATUS FOR MAGNETIC EXPLORATIONS
Homer Jensen, Philadelphia, Pa.
Application July 2, 1946, Serial No. 680,908
7 Claims. (Cl. 175—182)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



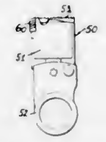
1. A method of geophysical surveying which comprises the steps of flying an aircraft and magnetometer apparatus associated therewith along a predetermined traverse, measuring the total magnetic field with said magnetometer, producing a continuous composite photographic record of the terrain beneath the plumb line of the aircraft and of a shadow trace corresponding to space changes in the total value of the earth's magnetic field detected by the magnetometer apparatus as the aircraft moves along the traverse, and at selected intervals along the traverse superimposing on the photographic record a serial number and a plurality of numbers indicative of the sensitivity of the magnetometer apparatus and the magnetic value of a reference line for said trace.

2,598,699
WINDOW CLEANING DEVICE
Frank Jordan, New York, N. Y.
Application June 11, 1949, Serial No. 98,503
1 Claim. (Cl. 15—232)



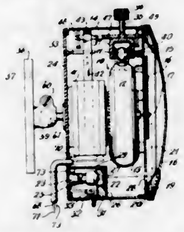
A window cleaning device including a pair of elongated and normally vertical members of different lengths adapted to be disposed upon different sides of a window sash with the shorter member located upon the near side of said sash, means rigidly interconnecting the lower ends of both members and spacing them a fixed distance apart, a hinged member pivotally connected to the upper end of the shorter vertical member and capable of being swung downwardly away from the window, a locking sleeve slidably mounted upon said shorter vertical member for retaining the hinged member in vertically raised position upon said shorter vertical member and being retracted to allow said hinged member to be released and swung away from the window, stop means on said shorter vertical member for determining a retracted position of said locking sleeve, the latter being slidable upward from said stop means a limited distance upon the hinged member when locking the latter member in its raised position and also slidable down to said stop means when said locking sleeve is wholly located upon said shorter vertical member, a bracket adjustably mounted upon the upper end of the longer vertical member, a second bracket mounted adjustably upon the upper end of the hinged member, a plate mounted upon each bracket, a window engaging element mounted upon each plate, and means for releasably securing each window engaging element to its respective plate.

2,598,700
APPARATUS FOR MAKING FRENCH CORD BINDING
Joseph Kaiser, Hollis, N. Y.
Application March 28, 1949, Serial No. 83,884
4 Claims. (Cl. 112—216)



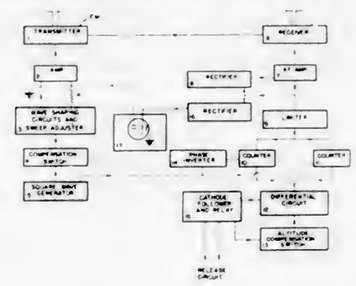
2. In sewing machine apparatus for folding a binding around the edge of a sheet of material to form a "French cord" binding, a feed dog mounted for vertical movement relative to the sheet of material, said feed dog having conventional material-engaging teeth on its top face, said feed dog having a plurality of binding-engaging teeth on one side thereof for engagement with the binding when the feed dog moves vertically in upward direction, whereby the binding is drawn taut around the edge of the material.

2,598,701
TIMING DEVICE
Phillip H. Kaufmann, University Heights, Ohio
Application September 24, 1949, Serial No. 117,604
14 Claims. (Cl. 161—15)



1. A timing apparatus for use in a motor vehicle, the said apparatus comprising a casing adapted to be mounted in the vehicle within the normal field of vision of the operator thereof, a dial supported in said casing and divided into units representative of time intervals, an indicating hand movable over the face of said dial, spring actuated clockwork mechanism supported in said casing and connected to said hand to move the latter, the said mechanism including means for effecting starting and stopping of said hand and means for rewinding the actuating spring, electromagnetic means supported by said casing and including a movable armature, means within said casing operatively interconnecting said armature with said means for controlling starting and stopping of the indicating hand so that actuation of said start-stop means is effected by the movement of said armature, means operatively interconnecting said armature with the rewinding means to effect actuation of the latter when the armature is moved, means controlling energization of said electromagnetic means including switch means adapted to be mounted in said vehicle at a position which is conveniently accessible by the operator of the vehicle, and conductors for interconnecting the storage battery of the vehicle with said switch means and with said electromagnetic means in a manner such that starting and stopping of said hand and rewinding of the actuating spring are effected by actuation of said switch means.

2,598,702
SWEEP COMPRESSION FOR USE OF FM RANGE EQUIPMENT
Martin V. Kiebert, Jr., United States Navy, Arlington, Va.
Application January 19, 1945, Serial No. 573,618
6 Claims. (Cl. 343—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



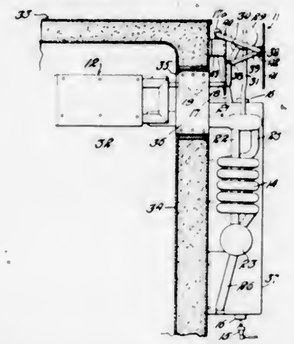
1. In a radiant energy ranging system, means for transmitting frequency modulated waves to an object, said means including a sweep generator, wave shaping circuits operatively connected to said sweep generator and energized therefrom, the output signal from said wave shaping circuits having a magnitude proportional to the frequency sweep width, an amplifier, and connections between the input of said amplifier and said wave shaping circuits, one of said connections including a resistor; means for receiving said waves directly from said transmitting means and for receiving said waves after reflection from the object; means for combining the received waves to produce a beat frequency signal; means for rectifying at least a portion of said beat frequency signal; and means for applying said rectified portion across said resistor to vary the magnitude of the output signal from said wave shaping circuits.

2,598,703

REFRIGERATOR EMBODYING COMPACT ARRANGEMENT OF AIR-COOLED PARTS

Wilhelm Georg Kogel, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden

Application October 6, 1947, Serial No. 778,095
In Sweden October 8, 1946
10 Claims. (Cl. 62—119.5)



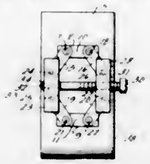
1. An absorption type refrigeration system comprising an evaporator in which refrigerant fluid evaporates in the presence of an inert gas and a condenser unit including piping for refrigerant fluid having horizontally extending sections in different vertical planes, and spaced apart vertically extending plates thermally connected to such sections, each horizontally extending pipe section only having a single vertically extending plate thermally associated with different regions along the length thereof, said spaced apart plates each having a height substantially co-extensive with the overall height of said condensing unit and serving as heat dissipating surfaces for cooling fluid flowing through said coil and forming condensate therein, said evaporator being connected to receive condensate from said coil

2,598,704

MOUNTING CLAMP

Guy W. Lal, Osborn, Ohio

Application November 8, 1949, Serial No. 126,181
1 Claim. (Cl. 248—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928: 370 O. G. 757)



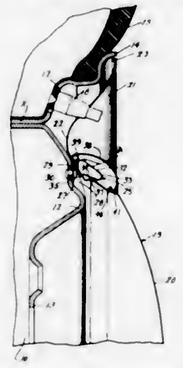
A quick release instrument clamp comprising a band having its ends brought into close relation and having mounting lug means thereon, two blocks, one block having a screw threaded opening therethrough and the other block having a drilled opening therethrough, said blocks being positioned with said openings in axial alignment and parallel to the band ends, each block having one end of each of two links pivoted thereto and the other end of one link of each block pivoted to a supporting block fixed at one end of said band and the other end of the other link of each block pivoted to another supporting block fixed at the other end of said band; and a threaded screw having a shank portion, said screw being threaded through the threaded opening of said one block with said shank portion rotatably and axially immovably journaled in the drilled opening of said other block whereby rotation of said screw varies the distance between said blocks causing the distance between said band ends to vary to vary the area within the band in order to releaseably clamp the device in said band.

2,598,705

WHEEL COVER

George Albert Lyon, Detroit, Mich.

Application April 1, 1947, Serial No. 738,513
14 Claims. (Cl. 301—37)



1. In a vehicle wheel structure including a tire rim and a body portion wherein the body portion has a series of cover retaining clips mounted thereon, a cover assembled with the wheel structure and including a circular member for at least partially covering the outer side of the wheel and having apertures through which the clips project with portions at one side of the apertures engageable in snap-on pry-off relation with the retaining clips, said clip engageable portions being offset axially outwardly adjacent to the proximate edges of the apertures and having clip-engaging and flexing camming portions leading thereto, and a second circular cover member retainingly engageable with the retaining clips after the first circular cover member has been applied to the wheel, the engagement of the second cover member with the clips wedging the clips into substantially locking tensioned engagement with the clip-engageable portions of the first cover member whereby to retain the cover assembly substantially against accidental dislodgment.

2,598,706

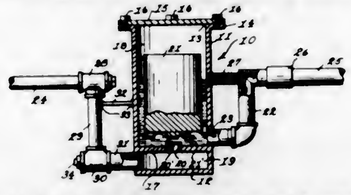
SELF AIR-ESCAPING FLOATING VALVE

Robert M. Manning, Pampa, Tex.

Application December 23, 1947, Serial No. 793,459
1 Claim. (Cl. 137—68)

An apparatus of the type described, comprising a valve housing, a partition in said housing dividing said housing into upper and lower chambers, a float valve in said upper chamber, a valve seat in said partition adapted to form communication between said upper and lower chambers, said float valve being of greater circumference than said seat to permit free floating of said float valve, an inlet and an outlet means for said housing, an inlet pipe and an outlet pipe disposed

in a horizontal plane on opposite sides of said housing, vertical pipe means connecting said inlet and outlet pipes to the inlet and outlet means



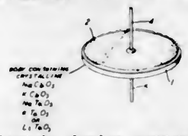
for said housing, an air escape tube connected to said housing and to said inlet pipe in the same horizontal plane therewith.

2,598,707

ELECTRICAL DEVICE EMBODYING FERROELECTRIC SUBSTANCE

Bernd T. Matthias, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 20, 1949, Serial No. 122,373
11 Claims. (Cl. 171—327)



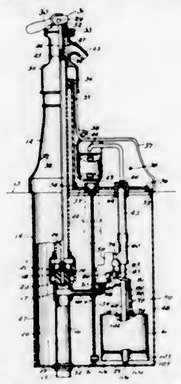
6. A piezoelectric device comprising a pair of conducting electrodes spaced by a ferroelectric body comprising a ceramic of sintered finely divided crystal particles consisting of a substance selected from the group consisting of sodium metacolumbate, potassium metacolumbate, sodium metatantalate, potassium metatantalate and lithium metatantalate, said body having a substantial permanent over-all electrical polarization.

2,598,708

WATER SERVICE DEVICE

James W. McGarry and Howard A. Eads, Cincinnati, Ohio, assignors to Railroad Products Company, Cincinnati, Ohio, a corporation of Ohio

Application February 1, 1946, Serial No. 644,687
7 Claims. (Cl. 137—13)



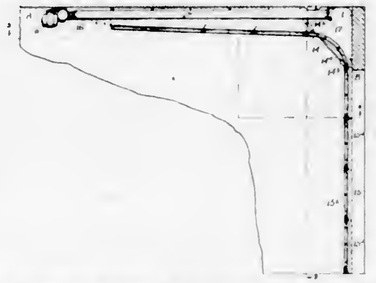
3. A device of the class described, comprising in combination, a hydrant having an outlet for the delivery of water, an upright riser tube having connection with a source of water under pressure near its lower end, and with the hydrant outlet near its upper end, a main valve in the riser and means for opening and closing said valve, the valve including a port to drain the riser upon each closing movement of the valve, an earth embedded reservoir receiving and accumulating the drained water from said port, said reservoir including a discharge pipe extending to the exterior of the reservoir, and a downturned spout communicating with said discharge pipe, to direct the drained water downwardly outside the reservoir, and an exterior waste receptacle, the spout being spaced from the receptacle to provide an air gap, avoiding back-siphonage.

2,598,709

MECHANISM FOR OPERATING A CLOSURE FOR AN OPENING

Howard I. Morris, San Marcos, Calif.

Application January 5, 1950, Serial No. 136,940
16 Claims. (Cl. 268—59)



16. In mechanism for moving a member to and from selected positions, the combination with a support, of an elongated guide thereon, a device slidably mounted on said guide and adapted to be operatively connected to the member for moving it, a support disposed adjacent one end of said guide, a shaft provided with screw threads mounted on said support, a drum formed with an axial opening through which said shaft extends and provided with screw threads engaging the threads on said shaft, a reeving element mounted adjacent the opposite end of said guide, a flexible member reeved around said element to provide runs leading therefrom the end portions of which simultaneously wind on and off of said drum when the latter is rotated, one of said runs being connected to said device for moving it in either direction, and power mechanism for rotating said drum, the outer wall of said drum substantially from end to end thereof being formed with seats for the runs of said flexible member disposed in helical relation and having a pitch coinciding with the pitch of the threads on said shaft and provided with gear teeth complementary to the teeth of the driven element of said power mechanism.

2,598,710

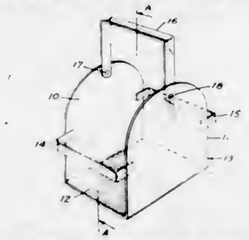
CONTAINER-CARRIER

Daniel C. Murphy, Palo Alto, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

Application October 6, 1947, Serial No. 778,139
2 Claims. (Cl. 224—48)

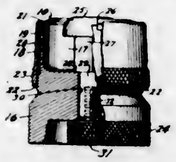
1. A rigid container for carrying a plurality of bottles, comprising a bottom portion and two upright walls shaped from a single piece of sheet

metal thereby forming a structure closed at the bottom and at two opposing sides, and open at the top and the other two sides, a rigid sheet metal U-shaped strip bridging each open side portion and connected to said metal side portions at points located slightly within the container intermediate the tops and bottoms thereof, the major portions of each of said strips being in a vertical plane located a substantial distance outwardly from the outer marginal edges of said side portions, a rigid sheet metal strip bridging



the open top of said container and pivotally connected to the metal side portions above their respective centers adjacent the necks of the contained bottles and on the inside walls of the container so as to be adjustable to a horizontal position adjacent the outermost row of contained bottles, directly above one of said first-mentioned strips and slightly below the tops of said bottles, each of said bridging strips being of a uniform width whereby they may be cut from a single piece of metal and portions of said strips being arcuate in cross-section.

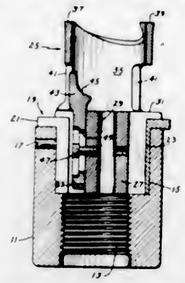
2,598,711
SHAVER
Ferdinando Pasquale Musso, Chicago, Ill.
Application July 29, 1949, Serial No. 107,461
6 Claims. (Cl. 30—49)



1. A shaving head assembly comprising a thin-walled cutting blade having an opening therein ground and honed to provide an internal inwardly facing cutting edge, a head block having a central cavity bounded by an annular wall, the upper margin of which supports the blade, and a blade collar telescoped over the annular wall and secured to the block to clamp the blade firmly in place.

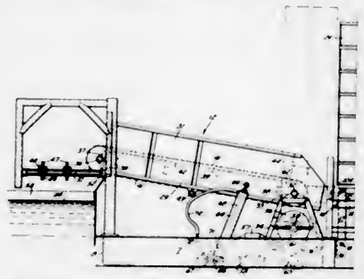
2,598,712
ADJUSTABLE WOOD PLUG CUTTER
Murray E. Myers, Lindenhurst, N. Y.
Application November 26, 1947, Serial No. 788,305
7 Claims. (Cl. 145—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A plug cutter comprising a spindle adapted to be secured on a rotatable shaft, a first bore in said spindle eccentric the longitudinal axis thereof, a split-ring bushing mounted rotatably in said first bore, means to secure said bushing against such rotation, a second bore in said bushing disposed eccentric to the longitudinal axis of said bushing, the eccentricity of said first and second bores being substantially equal, a cylindrical sleeve cutter having a pair of opposed cutting blades secured in and extending beyond said second bore, the axis of said cutter



having a maximum displacement from the axis of said spindle that is less than the radius of said cutter, and a chamfering cutter secured to said cutter in axial alignment with one of said blades.

2,598,713
APPARATUS FOR HANDLING AND DUMPING STACKED ARTICLES
Rollie B. Nawman, Oakland, Calif., assignor to Benner-Nawman, Inc., Oakland, Calif., a corporation of California
Application January 20, 1947, Serial No. 723,008
8 Claims. (Cl. 214—1.1)

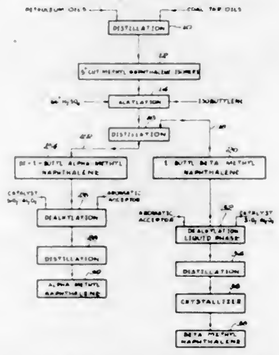


1. In combination, a load-receiving platform on which may be placed a pallet carrying rows of stacked receptacles, a dumper adjacent said load-receiving platform for receiving a stack of receptacles from a row thereof on the pallet, means operative in successive increments of movement of a part of such means for engaging and horizontally separating said rows of receptacles and for moving said separated rows of receptacles toward said dumper to transfer a stack of receptacles in each row from the pallet to the dumper, and means for operating said dumper to move the receptacles in said transferred stacks toward an inverted position.

2,598,714
MACHINABLE HIGH COBALT LOW CARBON ALLOYS FOR DIE-CASTING MOLDS
John A. Nelson, Oakmont, and Charles W. Schuck, New Kensington, Pa., assignors to Continental Copper & Steel Industries, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 26, 1950, Serial No. 170,466
9 Claims. (Cl. 75—126)

1. Die-casting steel of non-cutting tool steel variety, machinable after heat treatment and highly resistant to cracking and crazing at aluminum and brass casting temperatures of 1100° F. to 2200° F., containing about 0.05 to 0.10 per cent of carbon, about 2 to 6 per cent of chromium, about 16 to 30 per cent of cobalt, about 2 to 7 per cent of molybdenum, about 0.75 to 2.5 per cent of vanadium, about 2 to 7 per cent of tungsten, and the remainder iron.

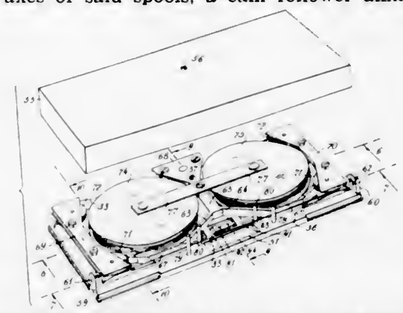
2,598,715
SEPARATION OF NAPHTHALENE ISOMERS
Joseph E. Nickels, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application December 31, 1948, Serial No. 68,480
9 Claims. (Cl. 260—671)



1. A method for the separation of the alpha isomer from a mixture of alpha- and beta-alkyl substituted isomeric naphthalenes in which the common substituent alkyl group is selected from the group consisting of primary and secondary alkyl groups having from one to five carbon atoms which comprises forming a mono-tertiary alkyl derivative of the beta-isomer and a di-tertiary alkyl derivative of the alpha isomer by reacting said mixture with an alkylating agent containing a tertiary alkyl group having from four to six carbon atoms in the group, said alkylating agent being present in an amount sufficient to furnish one mole of alkylating agent per mole of beta-isomer reacted and two moles of alkylating agent per mole of alpha-isomer reacted, physically separating from the alkylated mixture the di-tertiary alkyl derivative of the alpha isomer, and dealkylating the derivative so separated to produce the alpha isomer.

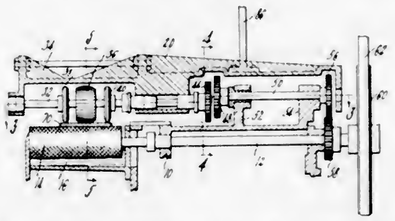
2,598,716
MAGAZINE FOR MAGNETIC WIRE RECORDERS
Herman Nygaard, Poughkeepsie, N. Y., assignor to Daystrom Electric Corporation, Poughkeepsie, N. Y., a corporation of Delaware
Application April 16, 1947, Serial No. 741,885
7 Claims. (Cl. 242—158)

1. A separable recording wire magazine for use with an electromagnetic recording and reproducing apparatus providing spool-positioning and driving means, said magazine comprising a casing, a pair of spools in relatively unfixed relation arranged within said casing, spring means engaging said spools against rotation thereof when said magazine is separated from said apparatus, recesses formed within said spools adapted to receive said spool-positioning and driving means whereby said spools may be exactly positioned within said magazine for rotation therein, a paramagnetic wire recording medium extending between said spools and adapted to be wound thereon, a resilient W-shaped wire guide frame pivotally mounted in said magazine about an axis perpendicular to the axes of said spools, a cam follower affixed



to the central limb of said frame, a rotatable cam arranged on said casing, said cam follower being adapted to engage said cam and to effect oscillation of said frame upon rotation of said cam, and wire guiding means on said frame carrying said wire from one of said spools around both of said spools and back to the second of said spools along a path in part coincident with the pivotal mounting axes of said guide frame.

2,598,717
MACHINE FOR APPLYING CEMENT TO PLATFORM WEDGE HEELS
Walter P. Osgood, Malden, Mass., assignor to Boston Machine Works Company, Lynn, Mass., a corporation of Massachusetts
Application June 4, 1949, Serial No. 97,204
3 Claims. (Cl. 118—258)



1. In a coating machine having a base, a coating roll mounted on said base to revolve about a horizontal axis, a feed roll yieldingly supported above said coating roll, common means for driving both said rolls, and dash-pot means between said supporting means and base to check any sudden downward movement of the feed roll.

2,598,718
EYELASH CURLER
Charles M. Palmer, Washington, D. C., assignor to Adele Palmer, Brooklyn, N. Y.
Application December 27, 1945, Serial No. 637,313
22 Claims. (Cl. 132—32)

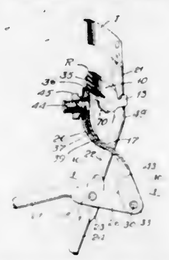
21. In an eyelash curler, a resilient pad, a frame having an arcuate fixed brace, a jaw for supporting and retaining said pad and disposed below said brace and having means movably guided relative to said frame and embodying a pair of components having arcuate portions at

the upper parts thereof for removably embracing said pad and including separable depending aprons, means carried by said jaw and coupling said depending aprons for adjustably displacing the apron of one of said components relative to



the apron of the other component of said pair to allow said upper portions to removably clamp said pad, and actuator means movably carried by said frame for driving said aprons in unison to move said jaw towards or away from said brace.

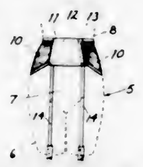
2,598,719
EYELASH CURLER
Charles M. Palmer, Washington, D. C., assignor to Adele Palmer, Brooklyn, N. Y.
Application March 30, 1948, Serial No. 18,040
19 Claims. (Cl. 132—32)



1. An eyelash curler adapted to utilize a rubber pad, comprising; a frame, an arcuate brace secured to said frame, an actuator movably carried by said frame, a jaw disposed below said brace having an arcuate pad sustaining member and an arcuate pad retaining member disposed in advance of said pad sustaining member, means hingedly connecting said pad sustaining member to said actuator, means rotatably connecting said pad retaining member to said actuator, means for slidably guiding said pad sustaining member relative to said frame, and adjustable means for rotatably displacing said pad retaining member towards said pad sustaining member to removably clamp said pad in said jaw.

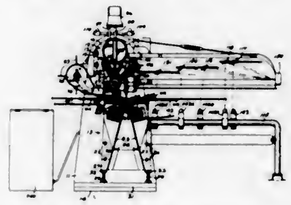
2,598,720
GIRDLE
Elizabeth G. Paola, Washington, D. C.
Application July 7, 1950, Serial No. 172,440
2 Claims. (Cl. 2—43)

1. A girdle including a rear inelastic panel of a length to extend from the back of the wearer's waist to a point below the buttocks, an inelastic band of a length shorter than said panel extending from the waist of the wearer over the upper part of the abdomen, and bias elastic side



panels secured to and extending from the ends of said band to the sides of the rear panel and secured to the latter from top to bottom.

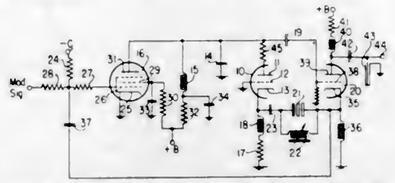
2,598,721
PNEUMATICALLY ACTUATED VENEER CLIPPER
Donald C. Porter, Tacoma, Wash.
Application June 19, 1948, Serial No. 33,953
23 Claims. (Cl. 164—42)



5. A pneumatic actuating mechanism comprising a pivotally mounted tool mounting rocker means; a tool mounted on said rocker means; a fixed backing frame for said rocker means providing a variable spaced relation with said rocker means; an expandable-collapsible air cell disposed between said rocker means and fixed backing frame providing during stroke a constant pressure and variable rotation force whereby is inherently provided a ratio of force required for the load; means operating alternately to said expandable-collapsible air cell to actuate said rocker means; infeed belts for product being fed; a caterpillar type of chain feed angular bracket pivotally mounted on a cross shaft disposed on side of rocker means opposite to that of said tool; a caterpillar chain mounted on said bracket; sprocket means continuously driving said chain feed synchronously with said infeed belts; an arm fixedly eccentrically mounted on said rocker means having a slotted opening therein; a fixed rod carried by the caterpillar bracket, having a compression spring means disposed between said arm and the top surface of said caterpillar bracket; and an adjustment nut on said rod above said arm for positive control lift of said caterpillar bracket from the product being fed, whereby periodically said feed chain may be disengaged from said product.

2,598,722
FREQUENCY MODULATION SYSTEM
Hans K. Richards, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application August 5, 1948, Serial No. 42,713
8 Claims. (Cl. 332—26)

2. A frequency modulation system comprising an oscillator, a frequency controlling circuit for said oscillator including variable reactance means, means for varying the value of said reactance means in accordance with the amplitude of a modulating signal so that the frequency of said oscillator deviates from a center frequency in accordance with the amplitude of the modulating signal, and a feedback circuit for said oscillator separate from said frequency controlling circuit, said feedback circuit including a



vacuum tube and a series resonant element, with said tube having an input electrode coupled to said frequency controlling circuit and having an output electrode coupled through said series resonant element to said oscillator for holding the center frequency of the oscillator within predetermined limits.

2,598,723
STEAM BOILER
William Sampson, Aldwych, London, England, assignor, by mesne assignments, to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application June 2, 1944, Serial No. 538,363
In Great Britain July 6, 1943
12 Claims. (Cl. 122—240)

1. A steam generator comprising a setting, a pair of spaced groups of generating tubes in the setting, a furnace chamber arranged between the steam generating tube groups, burner means for firing said furnace chamber, another furnace chamber in the setting disposed adjacent tubes of one of said tube groups and outside said first-mentioned furnace chamber, other burner means adjacent the first-mentioned burner for separately firing said other chamber, a single combustion gas outlet flue at the outer side of the other tube group and arranged to receive all of the gases flowing from both furnace chambers, said flue being so located that the heating gases from the other furnace chamber flow over both of the tube groups and through the first-mentioned furnace chamber before entering the flue, and baffle means between the furnaces, said baffle means being of such depth adjacent the burner means as to prevent gases from the other furnace from flowing over the first-mentioned burner means, the baffle decreasing in depth to such an extent in a direction away from the burners as to enable gases from said other furnace to enter the ignition and combustion zone of said first-mentioned furnace beyond the burner means therefor in the direction of flow of gases in said zone and mix with gases flowing from said burners to thereby become distributed throughout an area of the first-mentioned furnace chamber which gradually increases in a direction away from the burner means.

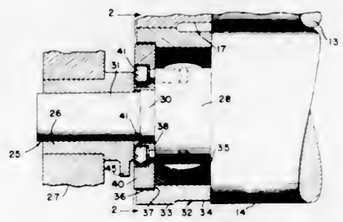
2,598,724
METHOD FOR INCREASING THE MELTING POINT OF PETROLATUMS AND PRODUCTS RESULTING THEREFROM
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 24, 1948, Serial No. 10,586
12 Claims. (Cl. 260—683.4)

The condensation product obtained by subjecting ethylene and a petrolatum to the action of an organic peroxide condensation catalyst at a temperature at least as high as the decomposition temperature of said catalyst.

2,598,725
PREVENTION OF CORROSION
David B. Sheldahl, Griffith, Ind., assignor, by mesne assignments, to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 6, 1951, Serial No. 209,698
2 Claims. (Cl. 44—63)

1. Light petroleum distillate fractions into which have been incorporated amounts in the range approximating 0.6 to 4.0 pounds of ammonium mahogany sulfonates on the oil-free basis and 0.4 to 4.0 pounds of morpholine, each per one thousand barrels of petroleum distillate.

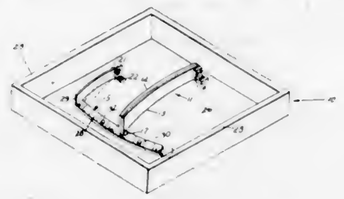
2,598,726
RESILIENT BEARER STRUCTURE FOR ROTARY PRINTING PRESSES
Laszlo M. Stempel, New York, N. Y., assignor to Laszlo M. Stempel, New York, and Albert Charles Nolte, Plandome, N. Y., as joint trustees
Application May 27, 1948, Serial No. 29,422
8 Claims. (Cl. 101—217)



1. In a printing press, a blanket cylinder, a rigid cylindrical bearer for said blanket cylinder at each end, an impression cylinder coacting with said blanket cylinder, a rigid cylindrical bearer for said impression cylinder at each end cooperating with the corresponding bearer for said blanket cylinder to support said blanket cylinder against radial movement towards said impression cylinder, and means for resiliently supporting the bearers for the impression cylinder for radial movement with respect to said impression cylinder and for maintaining thereby resilient pressure between cooperating bearers, said sup-

porting means acting to resist yieldably movement of the bearers for said impression cylinder in any radial direction.

2,598,727
HUMIDITY CONTROLLING HYGROMETER
Joseph J. Steinmetz, Merrick, N. Y.
Application April 29, 1946, Serial No. 665,714
2 Claims. (Cl. 73—337)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An instrument comprising a base, a pointer comprising two strips of material with respectively different hygroscopic properties, the strips being positioned side-by-side and bonded to each other along their adjacent contacting faces, the pointer being secured to the base at one of its ends, the other end of the pointer being free to move by flexure of the pointer responsive to changes in conditions of atmospheric humidity, a rigid scale positioned to extend along and adjacent to the path of the free end of the pointer, a thermo-responsive bimetallic strip, the scale being secured to one end of the bimetallic strip projecting laterally away therefrom, the other end of the bimetallic strip being secured to the base in position to hold the scale located along the path of the free end of the pointer, the end of the bimetallic strip to which the scale is attached being free to move by flexure of the bimetallic strip responsive to temperature changes, the scale being calibrated according to the position of the pointer along the scale at different relative humidities of the atmosphere.

2,598,728
ELECTRICAL WIRE ATTACHING DEVICE
Oscar F. Tallman and Roy G. Graham, St. Louis, Mo., assignors to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application August 3, 1949, Serial No. 108,298
5 Claims. (Cl. 24—123)

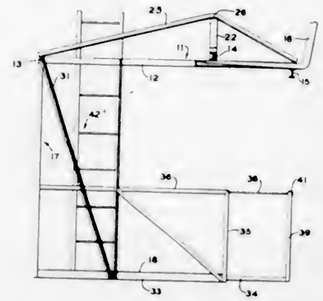


1. A wire attaching device comprising a body portion which is provided with a spiral passageway extended longitudinally thereof, an extension at an end of said body portion, said extension comprising a main portion extended from said body portion, a portion which underlies said main portion and is movable with respect thereto, a portion extended from said movable portion which extends around and overlies said main portion, and means which tends to move said movable portion relative to said main portion in such manner as to clamp a wire between said main portion and said overlying portion, a bail attached to said extension, and means at the opposite end of said body portion for retaining a wire in place at that point relative to said body portion.

2,598,729
PREPARATION OF DRYING OILS
Howard M. Teeter, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 7, 1950, Serial No. 178,162
11 Claims. (Cl. 260—405.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

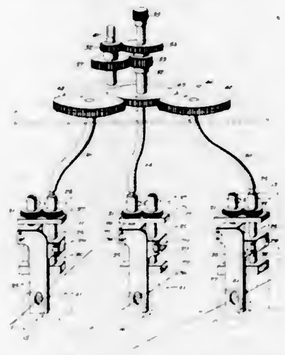
1. The method which comprises subjecting an ester of an aliphatic acid containing at least 8 carbon atoms in the acyl radical, said acid containing halogen substituted in the acyl radical and said substitution of halogen being upon non-adjacent carbon atoms, to the action of one of the group consisting of salts of organic carboxylic acids and salts of inorganic oxygen-containing acids, the acids of said salts possessing an ionization constant of less than 2×10^{-5}.

2,598,730
PORTABLE DOCK SCAFFOLD
John L. Thompson, Ojai, and John Bibb, Port Hueneme, Calif.
Application March 3, 1948, Serial No. 12,844
4 Claims. (Cl. 304—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



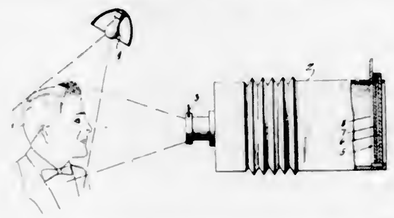
1. A portable scaffold adapted to be carried by a lift truck, comprising a flat, horizontal, generally elongate frame including a pair of transverse girders, one of said girders being disposed at one end of said frame, the other girder being spaced from said one girder inwardly of said frame and in a plane slightly above said one girder, said frame being adapted to be held by the lifting fork of the truck in cantilever fashion with said one girder disposed under said fork and said other girder disposed over said fork, a vertical bridge frame secured transversely to and above said horizontal frame, an elongate tension member secured at its respective ends to the ends of said horizontal frame and secured intermediate its ends to the top of said bridge frame, a vertical frame secured to said horizontal frame at the overhanging end thereof and depending therefrom, and a horizontal platform secured to said vertical frame and extending beneath said horizontal frame.

2,598,731
DIAPHRAGM CONTROL FOR MULTILENS CAMERAS
Fred Waller and Richard C. Babish, Huntington, N. Y., assignors to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York
Application October 9, 1948, Serial No. 53,733
8 Claims. (Cl. 95—18)



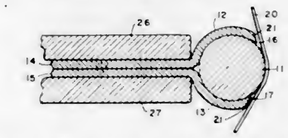
1. A multi-camera structure including, in combination, a plurality of lens supports that support lenses with their axes and focal planes in angular relation to one another for taking mosaic pictures, mechanism for moving the lens supports along converging paths to focus the lenses on objects at different distances from the camera structure, a separate diaphragm control on each lens support, a common diaphragm adjusting device, separate motion transmitting connections leading from the common diaphragm adjusting device to each of the diaphragm controls on the lens supports, a rotary unit in said adjusting device, two manually actuated elements for rotating said unit, a direct connection between said unit and one of the manually actuated elements, and mechanism that connects said unit with the other of the manually actuated elements and that provides a mechanical advantage for effecting fine adjustment of said rotary unit of the common adjusting device.

2,598,732
ELECTROPHOTOGRAPHY
Lewis E. Walkup, Columbus, Ohio, assignor, by mesne assignments, to The Haloid Company, Rochester, N. Y., a corporation of New York
Application March 9, 1949, Serial No. 80,551
4 Claims. (Cl. 95—1.9)



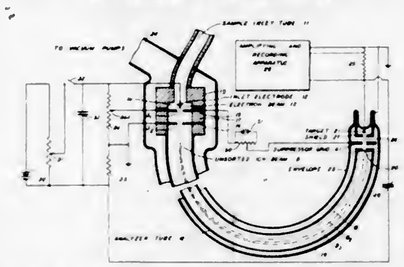
1. In an electrophotographic process wherein the surface of a layer of photoconductive insulating material is provided with an electric charge, exposed to a light image of the subject to be reproduced and then developed by depositing a finely divided electrostatically attractable material under the influence of the charge pattern remaining on said layer, the method of improving large area reproduction and continuous-tone rendition comprising additionally exposing the layer to a finely-divided uniformly-distributed pattern of light and shadow prior to developing.

2,598,733
WIPING BLADE FOR COATING DEVICES
Edgar Warner, Middletown, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
Application March 16, 1949, Serial No. 81,791
6 Claims. (Cl. 118—118)



1. A wiping blade adapted for use in a coating device, comprising: a cylindrical rod; two strips of metal in contact with each other throughout a substantial proportion of their width, but spread apart near one edge and shaped to form between them a bearing for said rod throughout its working length, the terminal edge of each strip being in close contact with the surface of said rod and substantially parallel with its axis, said terminal edges being spaced to expose a substantial portion, materially less than half, of the surface of said rod; two metal bars of length approximately equal to that of said strips, disposed in parallel relationship, with the flat portions of said strips between them and the rod-holding portions extending beyond their edges, said strips and bars being rigidly fastened together to form a unitary firm supporting structure in which said rod is accurately held and freely rotatable.

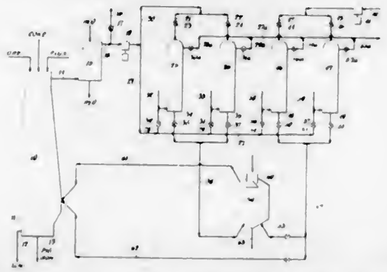
2,598,734
MASS SPECTROMETER
Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application December 11, 1945, Serial No. 634,363
17 Claims. (Cl. 250—41.9)



1. In a mass spectrometer having an ionization chamber, means for ionizing molecules in the chamber, an analyzer, a circuit for producing a potential to propel ions formed from the molecules as a beam into the analyzer, means for sorting the ions of the beam in the analyzer according to specific mass and a target for catching the sorted ions, the combination which comprises means connected to the circuit for producing in

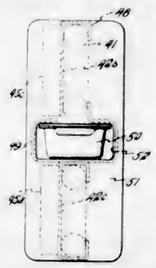
the neighborhood of the target a potential opposing those of the sorted ions, and means for varying the opposing potential.

2,598,735
IRON OXIDE REDUCTION
George B. Webb, Westfield, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application July 16, 1948, Serial No. 39,087
5 Claims. (Cl. 75—42)



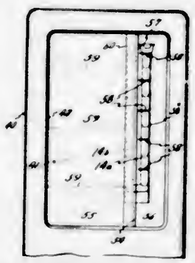
2. In the process of operating a blast furnace to reduce iron oxide wherein an overhead gas containing essentially carbon monoxide and carbon dioxide is recycled to said furnace after treatment to decrease substantially the carbon dioxide content of said overhead gas, the improvement which comprises burning a portion of said overhead gas to preheat a second portion thereof and oxygen of at least about 90% by volume purity to a temperature of at least 1300° F., reacting solely the preheated portion of said overhead gas and the preheated oxygen with coke at a temperature of at least 1800° F. to produce a gaseous stream enriched in carbon monoxide, and introducing said gaseous stream and additional oxygen of at least about 90% by volume purity into the lower part of said furnace to effect reduction of iron oxide.

2,598,736
REFRIGERATOR OF THE ABSORPTION TYPE
Nils Erik Widell, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application December 17, 1947, Serial No. 792,136
In Sweden December 19, 1946
4 Claims. (Cl. 62—119.5)



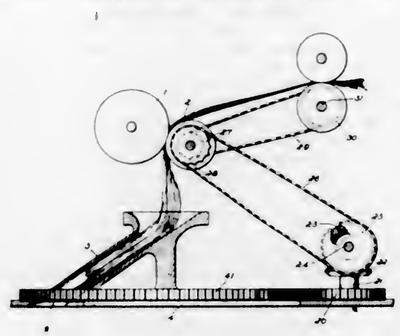
1. In a refrigerator including a cabinet having thermally insulated walls defining a storage compartment and in one of which a relatively narrow vertically extending opening is provided whose height is considerably greater than its width, and a thermally insulated closure member for such opening, absorption refrigeration apparatus including piping providing a circuit for inert gas comprising a cooling element located in the compartment and removable therefrom with removal of the closure member, the piping for said cooling element being in the form of a looped coil in which refrigerant fluid evaporates in the presence of the inert gas, and all of the piping located in the compartment including said looped coil being disposed essentially in a single vertical plane that is substantially perpendicular to the thermally insulated wall having the relatively narrow vertically extending opening, said looped coil being disposed closely adjacent to and spaced from a lateral side wall of the compartment and including horizontally extending straight portions at different levels and connecting vertical bends, structure in good thermal contact with said looped coil to provide a relatively extensive heat transfer surface over which air can pass in intimate contact so as to promote cooling of air, and a substantially flat member mounted on a straight coil portion beneath a higher located straight coil portion and in good thermal connection therewith, said flat member being adapted to support an ice tray and extending transversely of the vertical plane of said looped coil and having a region thereof in vertical alignment with said structure providing said relatively extensive heat transfer surface.

2,598,737
REFRIGERATOR HAVING MULTIPLE TEMPERATURE COOLING ELEMENTS
Gunnar Axel Grubb, Stockholm, and Per Arne Backteman, Lulea, Sweden, assignors to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application February 26, 1948, Serial No. 11,188
In Sweden February 28, 1947
14 Claims. (Cl. 62—119.5)



1. In a refrigerator comprising a cabinet defining an interior and partitioning therein providing separate compartments, an absorption refrigeration system having a circuit for inert gas including cooling elements which always are in open communication with one another and operable at different average temperatures, at least one of said cooling elements being operable at a low temperature for freezing matter and arranged to effect cooling of one compartment at one side of said partitioning adapted to serve as a freezing section, said one cooling element including means providing a vertically extending refrigerant passage which is substantially greater in length than the vertical extent thereof and occupies a major portion of the height of said freezing section, and another of said cooling elements being arranged at another side of said partitioning to effect cooling of a different compartment.

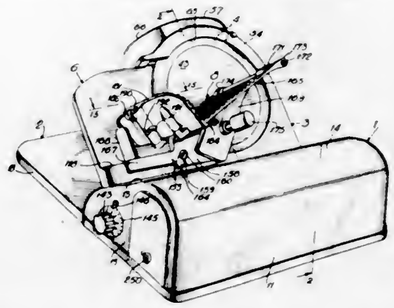
2,598,738
APPARATUS FOR COILING WOOL SLIVER IN CANS
Robert C. Wilkie, Andover, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
Application December 6, 1947, Serial No. 790,158
2 Claims. (Cl. 19—159)



1. In an apparatus for coiling wool sliver in a cylindrical can having an orbital motion, the combination of a coiler head having a tube to deliver said sliver in helically arranged coils in the can, calender rolls to deliver the wool sliver to said tube, a rotatable plate on said head having a hole adjacent to its periphery and in line with the delivery end of said tube, a false bottom in said can, spring actuated means applied to said false bottom to press said bottom against the bottom of said rotatable plate when the can is empty and against the mass of coiled sliver in the can throughout the accumulation of the coiled sliver in the can, means to drive said calender rolls, means to rotate said plate and gearing connecting said last named two means so proportioned that the linear speed of the inner edge of said hole is from 2 to 15% faster than the peripheral speed of the calender rolls, whereby the helical coils of wool sliver are compacted evenly and firmly throughout the can.

2,598,739
SLICING MACHINE
Carl T. Zimmermann, Old Greenwich, Conn., assignor to Globe Slicing Machine Co., Inc., Stamford, Conn., a corporation of New York
Original application May 22, 1946, Serial No. 671,468. Divided and this application July 6, 1949, Serial No. 104,681
2 Claims. (Cl. 146—102)

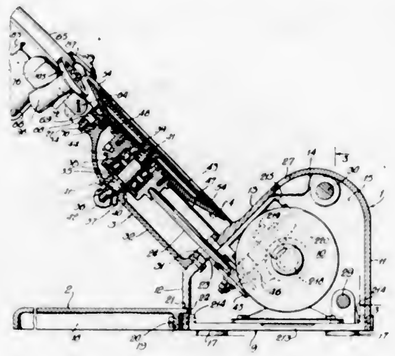
1. A guard frame for the rotatable knife disposed at an angle to the vertical of a slicing machine having a main frame, a gauge plate substantially parallel to said knife mounted on said frame adjacent to the knife, a substance carrier slidably mounted on said main frame to move across said gauge plate to and from the knife, characterized by a main guard frame having an outer free end and a fixed channel portion surrounding the inner part of the cutting edge of the knife and spaced from the substance carrier when the carrier is out of cutting range, a movable channel portion pivotally connected to said outer free end of said main guard frame at a point spaced from said fixed channel portion and supplementing said fixed channel portion to surround a second part of the cutting edge of the knife intermediate said free end and said fixed channel portion, an abutment at the free end of said movable channel portion in the path of movement of the substance carrier to enable the movable channel portion to be deflected outwardly and clear the part of the cutting edge of the knife surrounded by it to facilitate cutting a larger slice, said two channel portions surrounding approximately an 180° arc of the cutting edge of the knife at any one time when both channels are in guarding position, and a spring for resiliently maintaining said movable channel portion in knife guarding position, yieldable however to be deflected outwardly when the abutment on said movable channel portion is engaged by the substance carrier.



2,598,740
SLICING MACHINE
Carl T. Zimmermann, Old Greenwich, Conn., assignor to Globe Slicing Machine Co., Inc., Stamford, Conn., a corporation of New York
Original application May 22, 1946, Serial No. 671,468. Divided and this application July 6, 1949, Serial No. 104,682
2 Claims. (Cl. 146—102)

1. The combination in a slicing machine having a housing with a wall enclosing the rear, sides and inclined front thereof, a substance carrier having upwardly extending wings, a motor disposed in the housing, a knife frame connected to and extending upwardly at substantially a right angle to, and forwardly of, the inclined wall of the housing, a knife rotatably mounted in said frame at the inclination determined by said frame, and a gauge plate extending substantially at right angles to said wings and operatively connected to the housing to one side of the knife frame but substantially parallel to the plane of the knife, the wings of said carrier extending upwardly between said housing and said knife, characterized by, upper and lower horizontally extending rods having a space between the same located in the rear of said housing to determine the position of the rear wall of the housing, said motor located in said housing forwardly of the space between said rods and operatively connected to said knife, a hanger slidably directly below the path of movement of the upmounted on said rods, there being an opening per edges of the wings of the carrier and substantially centrally between the upper and lower edges of the carrier in the upper portion of the inclined front of the wall of said housing forwardly of the uppermost of said rod, and an arm of said hanger extending over, and forwardly of, said motor and through said opening above the level of said knife and gauge plate, said substance carrier being mounted on said arm and

slidable with said hanger to and from the cutting edge of said knife in front of said frame,



with the rear face of the housing free of any operating parts.

2,598,741

SMELTING OF ZINCIFEROUS ORE

Erwin C. Handwerk, Lehighton, and George T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 28, 1950, Serial No. 170,936

4 Claims. (Cl. 75—14)

1. The method of smelting an oxidic zinciferous ore with solid carbonaceous reducing material in an electric arc furnace with the resulting production of a substantially zinc-free molten slag and metallic zinc vapor capable of being condensed predominantly to massive zinc metal which comprises heating the body of said slag by an electric arc in direct contact with the slag and struck from an electrode terminating above the upper surface of the slag to a temperature not in excess of 1450° C., introducing into the furnace a charge comprising the zinciferous ore, iron oxide and an amount of said reducing material sufficient to effect reduction of all of the zinc oxide component of the ore to metallic zinc and to effect reduction of such an amount of the iron oxide as to form a body of molten iron product underlying said slag but to leave in the slag at least 1½% but not more than about 6% by weight of iron oxide (calculated as Fe), delivering said charge adjacent the furnace side walls in the form of a loose mass of discrete particles and at such a rate with respect to its angle of repose and the furnace geometry as to form an inwardly and downwardly sloping bank of the charge which terminates at the surface of the slag body out of direct contact with the electrode and the heating arc, and smelting the charge above the body of molten slag by imparting smelting heat to said charge through its contact with the molten slag body and through radiation from the heating arc, whereby the slag resulting from said smelting is substantially free of readily-reducible oxides except for the aforementioned amount of iron oxide before it comes into direct contact with the heating arc and the metallic zinc vapor-bearing smelting gases are thus capable of being condensed to massive molten metal.

2,598,742

SMELTING OF ZINCIFEROUS ORE

Erwin C. Handwerk, Lehighton, and George T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application September 2, 1949, Serial No. 113,901

5 Claims. (Cl. 75—14)

2. The method of producing molten zinc metal directly from anoxidic zinciferous ore by smelting of the ore with solid carbonaceous reducing material in an electric furnace with the resulting production of a substantially zinc-free molten slag and metallic zinc vapor condensable to molten metal which comprises introducing into the furnace a charge comprising the zinciferous ore, iron oxide and an amount of said reducing material sufficient to effect reduction of all of the zinc oxide component of the ore to metallic zinc and to effect reduction of such an amount of the iron oxide as to form a body of molten iron product underlying said slag but to leave in the slag at least 1½% and not more than about 6% by weight of iron oxide (calculated as Fe), the charge introduced into the furnace being in the form of a loose mass of discrete particles and its rate of introduction being such as to permit the charge to float on the surface of the slag and be heated to smelting temperature by contact with the slag, supplying heat to the slag so as to maintain a slag temperature not in excess of 1450° C. but sufficient to effect said smelting of the charge while floating on the slag by submerging the furnace electrodes in the molten slag to such an extent as to heat the slag by a combination of submerged arc and slag resistance heating and thereby avoiding exposure of the floating charge to an open arc, and condensing the evolved zinc vapor as molten zinc metal.

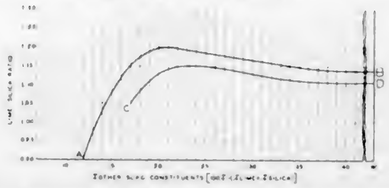
2,598,743

ZINC SMELTING

Robert K. Waring, Luther D. Fetterolf, and Thomas L. Hurst, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

Application January 12, 1950, Serial No. 138,136

5 Claims. (Cl. 75—14)



1. The method of smelting an oxidic zinciferous material with solid carbonaceous reducing material in an electric arc furnace with the resulting production of a molten slag and metallic zinc vapor substantially free from dust-forming impurities which comprises charging to the furnace the zinciferous material and an amount of the carbonaceous reducing material exceeding but not more than about 125% of the amount of said reducing material stoichiometrically required for reduction of the zinc and other oxides in the charge readily reduced by carbonaceous material and thereby precluding the presence in the molten slag of more than 6% by weight of iron oxide (calculated as Fe), further incorporating in the charge an amount of an extraneous fluxing material selected from the class consisting of lime and silica such that upon smelting of the zinciferous material the resulting molten slag derived from calcareous and siliceous components of the zinciferous material and from said extraneous fluxing material will contain not more than 85% by weight of lime (CaO) and silica (SiO_2) in a ratio between 0.9:1 and 1.2:1 and not exceeding, with respect to the total amount of the other constituents of the slag, the ratio represented by the line AB in Fig. 1 of the drawing, whereby the fluidity of the slag within the temperature range of 1250° to 1450° C. is sufficient to permit heating of the slag by an electric arc without local overheating of the charge in contact therewith to a temperature in excess of 1450° C., heating said body of slag by electric arc heating to a temperature within the range of 1250° to 1450° C., and delivering the charge to the furnace in such manner as to provide a mass of the charge floating on the slag, smelting of the charge thus taking place primarily at the interface between the fluid slag and the floating charge by the heat imparted to the charge by the slag.

2,598,744

SMELTING OF ZINCIFEROUS ORE

Erwin C. Handwerk, Lehighton, and George T. Mahler, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 12, 1950, Serial No. 138,258

4 Claims. (Cl. 75—14)

1. The method of smelting an oxidic zinciferous ore with solid carbonaceous reducing material in an electric furnace with the resulting production of a substantially zinc-free molten slag and metallic zinc vapor which comprises introducing into the furnace a charge comprising the zinciferous ore, iron oxide and an amount of said reducing material sufficient to effect reduction of all of the zinc oxide component of the ore to metallic zinc and to effect reduction of such an amount of the iron oxide as to form a body of molten iron product underlying said slag but to leave in the slag at least 1½% and not more than about 6% by weight of iron oxide (calculated as Fe), further incorporating in the charge a slag-forming material of the group consisting of lime and silica in amount such as to provide a lime to silica ratio coming within the range of 0.8:1 to 1.4:1 so as to impart to the slag a fluidity within a temperature range of about 1100° to 1450° C. sufficient to promote appreciable thermal convection circulation within the slag layer, the charge introduced into the furnace being in the form of a loose mass of discrete particles and its rate of introduction being such as to permit the charge to float on the surface of the slag and be heated to smelting temperature by contact with the slag, and supplying heat to the slag so as to maintain a slag temperature not in excess of 1450° C. but sufficient to effect said smelting of the charge while floating on the slag by submerging the furnace electrodes in the molten slag to such an extent as to heat the slag by a combination of submerged arc and slag resistance heating and thereby avoiding exposure of the floating charge to an open arc, said smelting of the floating charge resulting in the formation of smelting gases containing metallic zinc vapor free from such an amount of volatilized dust-forming impurities as to appreciably interfere with the condensation of the zinc vapor to molten metal.

2,598,745

SMELTING OF ZINCIFEROUS ORE

Erwin C. Handwerk, Lehighton, and Luther D. Fetterolf, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 25, 1950, Serial No. 181,577

6 Claims. (Cl. 75—14)

1. The method of smelting a zinciferous ore with a solid carbonaceous reducing material in an electric arc furnace with the resulting production of a molten matte, a substantially zinc-free molten slag and metallic zinc vapor capable of being condensed predominantly to massive zinc metal, which comprises heating a body of said slag by an electric arc in direct contact with the slag and struck from an electrode which terminates above the upper surface of the slag to a temperature not in excess of 1450° C., introducing into the furnace a charge composed essentially of (1) an oxidized zinciferous ore containing significant amounts of iron and of at least one metal of the group consisting of copper, silver, and gold, (2) an amount of sulfur sufficient to form a matte with substantially all of the metal of said group and with at least a portion of the iron, and (3) an amount of the reducing material sufficient to reduce all of the zinc oxide, delivering said charge adjacent the furnace side walls in the form of a loose mass of discrete particles and at such a rate with respect to its angle of repose and the furnace geometry as to form an inwardly and downwardly sloping bank of the charge which terminates at the surface of the slag body out of direct contact with the electrode and the heating arc, and smelting the charge above the body of molten slag by imparting smelting heat to said charge through its contact with the molten slag body and through radiation from the heating arc, whereby the slag resulting from said smelting is substantially free of readily-reducible oxides, except for the aforementioned iron oxide not sulfided by said sulfur, before it comes into direct contact with the heating arc.

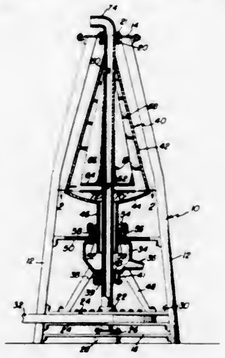
2,598,746

DEVICE FOR SEPARATING OIL FROM WATER

James S. Adams, Long Beach, and Paul E. Wilson, Tujunga, Calif.

Application March 14, 1950, Serial No. 149,528

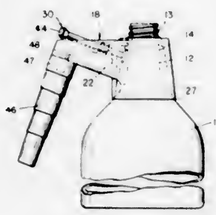
1 Claim. (Cl. 210—51)



In a centrifugal separator, a vertically disposed and conically shaped housing, a hollow vertical shaft extending through the housing for rotation therein, a horizontal, radially extending disc

secured to and closing said hollow shaft intermediate its ends, one end of said shaft forming an outlet for a separated mixture component and the other end constituting an inlet for a mixture, the hollow shaft having inlet openings above the disk and discharge openings below the disk, a second disk secured to said shaft below and parallel to the first mentioned disk, the discharge openings being confined between the disks, means adjacent the lower end of the housing and surrounding the shaft for educting a separated mixture component from the housing, said means being spaced below said second disk, said second disk providing a zone of rest in the base of the housing whereby the heavier mixture component will lose its circumferential velocity so as to settle by gravity to the bottom of the housing, said first and second disks being of substantially the same diameter and having their peripheries spaced from the housing to permit vertical flow of a fluid therebetween.

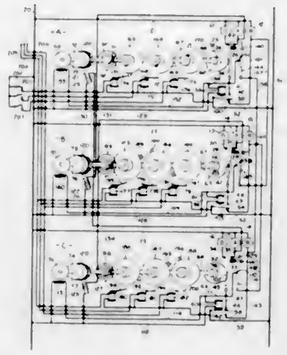
2,598,747
CARAFE HANDLE
Max Alex, Pasadena, Calif., assignor to Sparkletts Drinking Water Corporation, Los Angeles, Calif., a corporation of California
Application March 11, 1950, Serial No. 149,183
4 Claims. (Cl. 294—27)



1. A detachable handle for a bottle having a neck of reduced diameter with a peripheral bead comprising a body providing an annular collar for receiving the neck of the bottle, an arm projecting substantially radially of said collar, a latch pin slidably mounted in said arm and extending through said collar, a member on the inner end of said pin for engaging the bead on said bottle, and a spring interposed between the pin and said arm yieldably urging said pin inwardly toward said bottle.

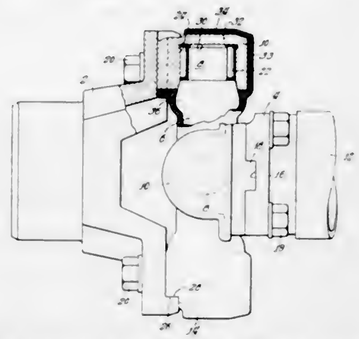
2,598,748
SELECTIVE CONTROL APPARATUS
John J. Alles, Wilkes-Barre, Pa.
Application March 25, 1950, Serial No. 151,885
13 Claims. (Cl. 177—337)

1. In a controller unit of the kind including a control shaft adapted to be rotated forwardly from a stop position to a limit position and thence backwardly to its stop position and in which a green signal is adapted to be de-energized at a predetermined point in the forward movement of the shaft, the improvement which comprises: a motor having connections for driving the shaft in its forward movement; a spring having connections for driving the shaft in its backward movement; a plurality of stop means for limiting the backward, spring driven movement only of the shaft, said means being located at circumferentially spaced points with respect to the



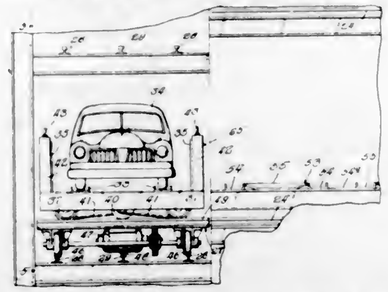
shaft axis; and means for selectively activating said stop means.

2,598,749
METHOD OF SEALING UNIVERSAL JOINT ASSEMBLIES
Edmund B. Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 20, 1946, Serial No. 663,664
7 Claims. (Cl. 117—79)



1. The method of providing a flexible hermetically sealed cover of rubber for a universal joint assembly, the assembly being completely covered by rubber and consisting of a plurality of members pivotally connected together by a spider pivot element, said members and element being of metal not bondable to rubber, said method comprising the steps of applying a rubber-derivative cement to said members, said cement adhering to said members and being bondable to rubber; covering said members and element entirely with liquid rubber; and drying said coated members and element to solidify the rubber into a continuous film, the portions of said film covering said members forming a hermetically sealed bond therebetween while the remainder of the rubber film loosely surrounds and encloses said element whereby it is in unbonded relation to said element thus providing a flexible loose cover for said element thereby allowing free pivotal movement of the members while sealing the assembly from communication with the external air.

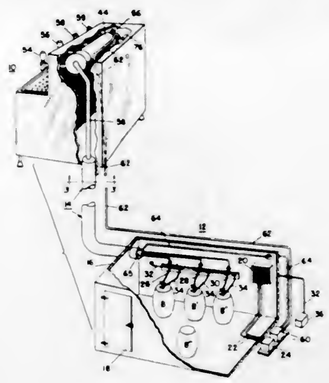
2,598,750
VEHICLE PARKING SYSTEM
Herman J. Bargehr, Chicago, Ill.
Application March 2, 1948, Serial No. 12,563
1 Claim. (Cl. 214—16.1)



A vehicle parking system comprising: a building having a series of floors; an elevator extending to all said floors; a transfer car upon which the vehicle can be placed; a series of spaced pairs of parallel rails arranged substantially parallel to each other, with the transfer car being provided with wheels adapted to engage any of said pairs of rails; a sub car upon which the transfer car can be placed; a pair of rails passing near the elevator shaft and all of said transfer car rails, with the sub car being provided with wheels adapted to engage the last-mentioned rails; a pair of rails on the sub car adapted to be aligned with each of the transfer car rails for receiving the transfer car; a series of parking stalls on each floor adjacent a pair of transfer car rails; said transfer car rails being depressed below the level of the stalls to bring the vehicle-retaining surface of the car in substantial alignment with the vehicle-receiving surface of the stalls, and the sub car rails being depressed below the level of the transfer car rails to bring the transfer car-receiving surface of the sub car in substantial alignment with the bottom of the transfer car; an electric motor on the transfer car operatively connected to at least one of the wheels for propelling the transfer car in either direction; a similar electric motor on the sub car; a control member accessible to an operator within a vehicle on said transfer car for controlling the transfer car motor and the sub car motor; apparatus including a third rail adjacent each of said transfer car rails for energizing the transfer car motor; apparatus including a third rail adjacent a sub car rail for energizing the sub car motor; apparatus including a third rail on said sub car for energizing the motor of a transfer car on said sub car; and apparatus for electrically connecting said third rail on said sub car to the sub car track third rail.

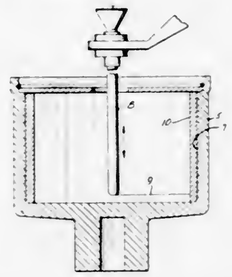
2,598,751
ART OF COOLING AND DISPENSING BEVERAGES
Joseph Berkowitz, Philadelphia, Pa., and William Lapin, Los Angeles, Calif.
Application March 18, 1950, Serial No. 150,498
3 Claims. (Cl. 62—141)

1. A beverage cooling and dispensing apparatus comprising a hermetically sealed tank, a hermetically sealed conduit connected to said tank, a compressor-condensing unit, a liquid line connecting said unit to said tank, a return line connecting said conduit to said unit, an expansion valve connected to the liquid line near its juncture with the tank, a beverage line encased in said conduit and extending into said tank, the free end of said beverage line extending through a wall of said tank and being provided with a dispensing



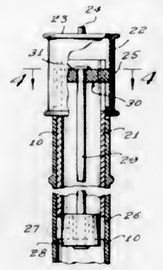
tap, and a thermostatic control for said compressor-condensing unit, said control being provided with a temperature sensitive bulb in said tank in the vicinity of the liquid line.

2,598,752
SPINNING BUCKET LINER
Paul Edward Bolger, Lewistown, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 16, 1950, Serial No. 149,952
2 Claims. (Cl. 57—76)



1. A method of collecting a wound package of a strand comprising the steps of passing the strand into a rotating container along a path extending along its axis of rotation, then passing the strand toward the inner surface of the container along a radial path, guiding the yarn to reciprocate the radial path within the container in an axial direction substantially the entire interior length of the container, receiving liquid and fine - particle material passed centrifugally through the collected strand in a permeable liner disposed between the collected strand and the interior peripheral surface of said container, conducting the liquid and particulate material through and along the liner in a direction parallel to its interface with the container to a discharge region extending radially outwardly from the liner, and removing the package from the container without removing the liner.

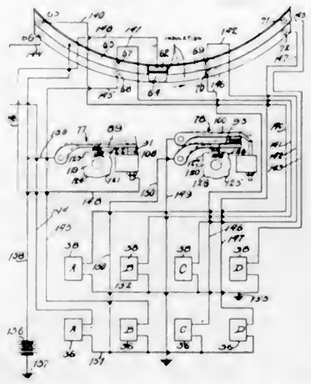
2,598,753
TRIPOD
Jacques Bolsey, New York, N. Y.
Original application September 24, 1947, Serial No. 775,798. Divided and this application February 1, 1950, Serial No. 141,708
4 Claims. (Cl. 248—171)



2. A tripod comprising in combination a tubular central post; legs for supporting said tubular central post in upright position; a tubular extension post having an outer diameter being slightly smaller than the diameter of said tubular central post and arranged slidably within said tubular central post projecting upward beyond the upper end thereof; a plurality of expansion tongues formed at the lower end of said tubular extension post; a conical expansion member arranged within said tubular extension post at the lower end thereof engaging said expansion tongues; a sleeve-shaped tripod head turnably seated on the upper end of said tubular extension post; means for securing a camera to the top of said sleeve-shaped tripod head; a screw threading within said sleeve-shaped tripod head; an operating rod secured at one end to said conical expansion member and reaching with its other end into said sleeve-shaped tripod head; a screw threaded moving member engaging said screw threading within said sleeve-shaped tripod head and firmly secured to the other end of said operating rod; and means preventing turning of said screw threaded moving member relative to said tubular extension post but permitting sliding of the same relative to said tubular extension post in axial direction thereof.

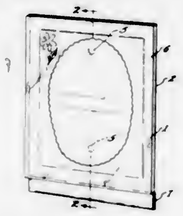
2,598,754
FUEL INJECTION SYSTEM
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application January 31, 1944, Serial No. 520,563
13 Claims. (Cl. 137—144)

4. The combination of a plurality of ports, a plurality of valves for said ports, a coil associated with each of said valves for urging its associated valve to a closed position when energized, a second coil associated with each of said valves for urging its associated valve to an opened position when energized, a timer, a commutator driven by said timer, an energization circuit for said first coils, a second energization circuit for said first coils having a circuit interrupter therein, a third energization circuit for said second coils, said commutator including means for connecting all of said first coils to said first energization circuit and for sequentially and at spaced intervals connecting said first coils to said second energization circuit, said commutator also including means for connecting a selected one of said second coils to said third energization circuit for a period equal to the time the energization of the first coil is interrupted when the first coil associated with the selected second coil is connected to said second energization circuit.



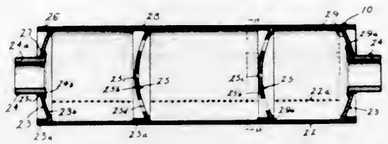
12. The combination comprising a first electrical element, a second electrical element, an energization circuit, a first connecting circuit, a second connecting circuit having a cam-operated switch therein biased to its closed position, a third connecting circuit having a cam-operated switch therein biased to its open position, cycling means for connecting said first electrical element to said energization circuit through said first connecting circuit during one stage of a cycle of operation, for connecting said first electrical element to said energization circuit during a second stage of a cycle of operation, and for connecting said second electrical element to said energization circuit through said third connecting circuit during said second stage of a cycle of operation, and a timer having means for actuating said cam-operated switches to their open and closed positions respectively for a period of time adjustable duration.

2,598,755
DISPLAY DEVICE
Thomas H. Birch, Cincinnati, Ohio
Application April 20, 1949, Serial No. 88,520
9 Claims. (Cl. 40—158)



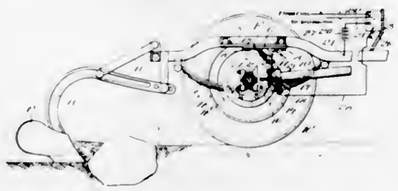
7. A display device comprising two flat transparent sheets superimposed on each other with a sheet having both surfaces coated with a pressure sensitive adhesive interposed therebetween, selected portions of the adhesive surfaces of said interposed sheet being masked so as to be opaque and non-adhesive and the adhesive portions adhering to said transparent sheets, and removable means projecting from said interposed sheet for removing the transparent sheets from the interposed sheet.

2,598,756
GALVANIZED MUFFLER WITH CONCAVO-CONVEX BAFFLES
Frederick C. Brightly, Jr., Chicago, and John F. Herbert, La Grange, Ill.
Application February 8, 1947, Serial No. 727,430
1 Claim. (Cl. 181—49)



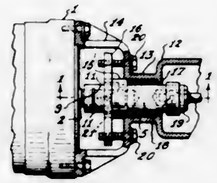
A muffler of simplified design adapted to be uniformly and completely coated by means of a galvanizing process carried out at the completion of fabrication and assembly thereof, comprising a metal tube, a plurality of identically dished metal disks each having a peripheral collar sized for snugly fitting said tube and a uniformly curved concavo-convex segmental spherical main body extending from the collar to a central apertured apex, two of said disks having enlarged central apertures and flanged nipples extending through the apertures thereof with the flanges bottomed on and welded to the concave faces around the apertures, said two disks having the collars thereof seated in and welded to opposite ends of the tube to form end heads for the tube with the concave faces of the disks inside the tube and the nipples extending outwardly from the ends of the tube, the other of said disks being disposed in the tube at spaced intervals between said end heads and having the collars thereof welded to the tube, said other of said disks having additional relatively larger gas-flow apertures surrounding the smaller central drainage aperture thereof and all of the thus apertured main bodies having their apexes extending in the same direction whereby gravity drainage through the tube is insured when the axis of said tube is displaced from the horizontal, and a zinc coating on all exposed surfaces of the tube, the disks, and the nipples.

2,598,757
ELECTRIC STOP MECHANISM FOR JEEPS
Robert O. Brunsell, Evansville, Wis.
Application March 30, 1949, Serial No. 84,381
2 Claims. (Cl. 180—82)



1. In an electrical control system for an automotive vehicle, the combination with an axle, a frame, a yieldable spring uniting the axle and frame, and an electrical contact plate mounted on the axle, of a switch plate pivotally suspended from the frame in horizontal alignment with and forward of said contact plate and resilient means for holding the switch plate in operative position, and an insulated contact screw mounted in the switch plate in the path of forward horizontal movement of the contact plate.

2,598,758
CLOSE COUPLING FOR MOTORIZED PUMPS
Frederick Cameron Byram, Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application December 28, 1945, Serial No. 637,535
7 Claims. (Cl. 287—119)



1. A coupling between a drive shaft and a driven shaft, comprising a casing having a passage therein for one of said shafts, said drive shaft and driven shaft having telescoping connection between them beyond said passage, means for transmitting torque only between said shafts at said connection, a deformable thrust element, for transmitting thrust only, in engagement with both of said shafts in said connection when in normal undeformed position, said thrust element having means projecting from said telescoping connection, whereby said projecting means may be engaged from the outside to temporarily deform said thrust element to a position in which it is in engagement with only one of said shafts to effect release of said shafts, one from the other.

2,598,759
GARMENT
Eleanor Y. Calde, Los Angeles, Calif.
Application May 21, 1951, Serial No. 227,405
5 Claims. (Cl. 2—70)



1. A combination garment comprising, an upper garment component, a lower garment component, separate front and rear slide fastener units having mating elements on the front and rear confronting margins of said components, and depending tab extensions at the sides of said upper garment component between the separate slide fastener elements of said upper garment, said tabs being of a width substantially equal to the space between adjacent ends of said front and rear slide fastener units.

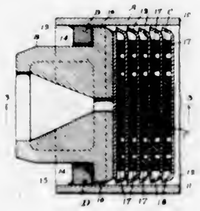
2,598,760
RECORDING WIRE
Harold W. Cobb, Baltimore, Md., assignor to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application July 1, 1946, Serial No. 680,845
1 Claim. (Cl. 148—31)

A cold-worked and cold-treated stainless steel sound recording medium of about 0.004 inch maximum thickness characterized by its high coercive qualities, high residual induction and substantial freedom from ground noise, comprising metastable austenitic chromium-nickel stainless steel containing 16% to 19% chromium, 6% to 12% nickel, up to 0.30% carbon and remainder principally iron having a structure comprised of substantially uniform partially transformed grains achieved by cold-treatment at a temperature between about 0° C. and —200° C.

2,598,761
COMPOSITION FOR RENDERING PRINTING ROLLERS NONMELTABLE
Lloyd Warren Conklin, Toronto, Ontario, Canada
No Drawing. Application November 9, 1948, Serial No. 59,193
1 Claim. (Cl. 106—243)

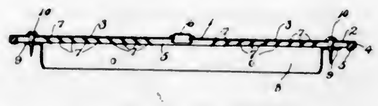
A composition for coating glue-glycerin printing rollers during the course of rendering them non-meltable, consisting of hexamethylenetetramine, lanolin, and glycerin, substantially in proportions of one part, six parts and two parts, respectively.

2,598,762
SHOCK ABSORBING MECHANISM FOR RAILWAY DRAFT RIGGINGS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 10, 1948, Serial No. 64,638
3 Claims. (Cl. 213—40)



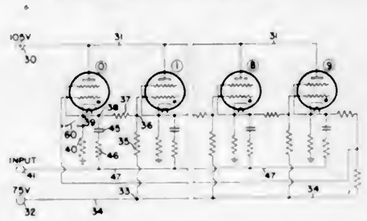
1. In a shock absorber, the combination with a casing having lengthwise extending, top and bottom walls and opposed, lengthwise extending side walls, said casing being open at one end, said side walls having top and bottom sets of transversely aligned openings therethrough, adjacent said open end of the casing; of a cushioning unit within the casing; a pressure transmitting plunger slidingly telescoped within the open end of the casing and engaging said cushioning unit; transversely disposed, top and bottom stop bars fixed to said casing, each bar having its opposite ends seated in the corresponding set of openings of said side walls of the casing; and laterally outwardly projecting flanges on opposite sides of said plunger at the inner end thereof engageable with said stop bars to limit outward movement of said plunger.

2,598,763
GRILLE
William C. De Roo, Holland, Mich., assignor to Hart & Cooley Manufacturing Co., Holland, Mich., a corporation of Michigan
Application May 16, 1949, Serial No. 93,471
2 Claims. (Cl. 98—40)



1. A grille made from a single piece of sheet metal comprising a circular outer rim and a central disc-like member, a plurality of supporting and dividing arms extending radially outwardly from said disc-like member and connected with said outer rim, thereby dividing the space within said rim into a plurality of sections, a plurality of longitudinally arcuate vanes in each section connected at their ends with the adjacent dividing arms to provide a completely unobstructed passage between adjacent vanes and all vanes in the same section having a common center of curvature, said vanes being positioned angularly with respect to the plane of said rim and the width of the passage between adjacent vanes being less than the length of said passage, whereby air passing therethrough will be diffused outwardly in all directions to blanket the wall or ceiling in which the grille is mounted with a curtain of air.

2,598,764
ELECTRON TUBE COUNTING DEVICE
Joseph R. Desch, Oakwood, and Robert E. Mumma, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application May 25, 1950, Serial No. 164,108
6 Claims. (Cl. 315—323)



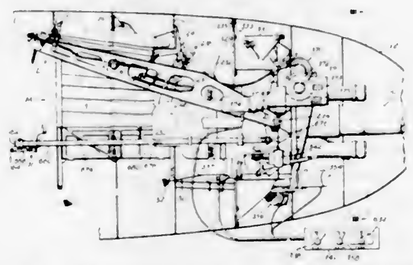
1. In combination, a plurality of electronic devices; operating potential supply circuits and priming circuits connecting the devices in a chain for sequential operation in response to input impulses; a further circuit interconnecting the devices and enabling conduction beginning in any device to cause any previously-conducting device to become extinguished; and means to impress input impulses on said further circuit and thereby on all of said devices to cause the sequential operation of the primed devices; said further circuit serving the dual function of enabling a previously-conducting device to be extinguished as a further device becomes conducting and also providing the medium through which input impulses are applied to the devices of the chain to cause the further devices to become conducting.

2,598,765
SURFACING TOOL
Frederick R. Dewey, Maywood, Calif.
Application April 8, 1946, Serial No. 660,463
3 Claims. (Cl. 29—76)



1. In a surfacing tool: a head member having a cutting face; a shank member for operating the head; one of said members having a socket, the other member having a projection loosely accommodated in said socket, said projection having a transverse slot with a reduced opening at the end of the projection, a spiral spring secured to said one member extending across said socket and engaging the slot for securing the head to the shank for relative universal movement, said spring being adapted to be compressed transversely for passage through said reduced opening to permit separation of the head and the shank.

2,598,766
GUN LOADING MECHANISM
Paul H. Dixon, Rockford, Ill., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 6, 1948, Serial No. 19,237
15 Claims. (Cl. 89—33)

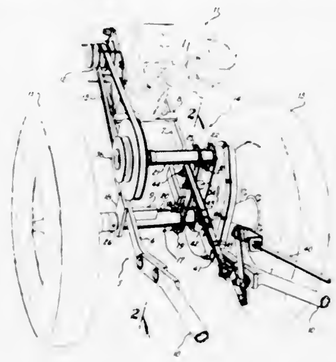


1. In combination, a gun mounted for limited movements in azimuth, a stationary shell magazine mounted rearwardly of said gun, a loading beam pivoted about a horizontal axis extending transversely through the gun for transporting a shell from the magazine into loading position relatively to the gun, means for moving said beam about said axis into and out of a predetermined position relatively to said magazine, and means guiding said loading beam for lateral movement about a vertical axis during movement of the beam out of said predetermined position in accordance with the position of the gun in azimuth thereby properly to aline the shell with the bore of the gun.

2,598,767
CELLULOSE ESTER AND N-ALKOXYMETHYL POLYURETHANE REACTED POLYMERS
Carl R. Dolmetsch, Westchester, N. Y., and Samuel B. McFarlane, Union, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application January 4, 1950, Serial No. 136,853
8 Claims. (Cl. 8—129)

1. Process for preparing polymeric materials which comprises heating an intimate mixture of a lower aliphatic acid ester of cellulose containing at least about 0.2 free hydroxyl group per glucose unit with an N-alkoxymethyl polyurethane at a temperature of from about 80 to 150° C. for a period of from about 1 to 12 hours.

2,598,768
DRIVE TRANSMISSION FOR GARDEN TYPE TRACTORS
Forrest V. Donald, Milwaukee, Wis., assignor to Simplicity Manufacturing Company, Port Washington, Wis., a corporation of Wisconsin
Application January 5, 1949, Serial No. 69,351
5 Claims. (Cl. 180—19)



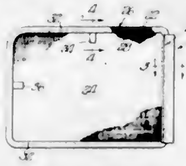
3. In a garden type tractor having a chassis, an engine and driving wheels; a drive transmission between the engine and driving wheels including: a bearing housing unit swingingly mounted upon the chassis and comprising two parallel tubes rigidly connected by an arm welded to the tubes, and bearings in the tubes; one of the tubes providing a journal by which the unit is swingingly mounted upon the chassis; an axle shaft journalled in the bearings of said tube and protruding beyond the ends of the tube to mount the driving wheels of the tractor; a countershaft journalled in the bearings in the other tube; a stub shaft anchored to the arm which connects the tubes, with its axis parallel to the axes of the countershaft and axle; a gear train for drivingly connecting the countershaft with the axle including a pinion fixed to the countershaft, gears rotatable on said stub shaft and a gear fixed to the axle shaft; a sheave keyed to the countershaft and about which an engine driven belt may be trained; a gear box enclosing the pinion and gears, said gear box being stamped from light guage metal and comprising two separably connected complementary sections; and means securing one of said sections to the arm with all of the shafts protruding into the gear box.

2,598,769
ARTIFICIAL DENTURE
Robert J. Donavan, Mason City, Ill.
Application April 17, 1951, Serial No. 221,415
10 Claims. (Cl. 32—2)



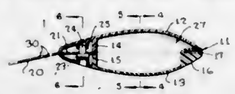
1. The combination of upper and lower dentures, each having artificial posterior teeth, the posterior teeth of the upper denture having semi-globular cusps formed on their occlusal surfaces and the posterior teeth of the lower denture having bucco-lingual ridges extending across the occlusal surfaces and adapted to span the cusps on the upper teeth.

2,598,770
FLEXIBLE WINDOW SCREEN
Stanley F. Drozt, Chicago, Ill.
Application June 22, 1948, Serial No. 34,483
3 Claims. (Cl. 160—105)



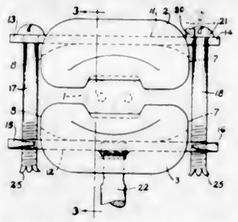
1. In combination, a resilient endless frame member generally quadrangular in shape, a flexible plastic mesh screen, said frame and screen each being formed of material which may be simultaneously flexed in transverse directions without taking a set, and a plastic binding tape overlying the frame and adjacent peripheral portions of the mesh screen, said tape, screen and frame being interconnected, and a channel-shaped member pivotally connected with one side of said frame and extending in a direction away from the screen, said channel-shaped member being formed of flexible plastic material and having a semi-rigid reinforcing member.

2,598,771
FISHING LURE
John F. Eder, Sherman, Tex.
Application November 10, 1950, Serial No. 195,100
4 Claims. (Cl. 43—42.35)



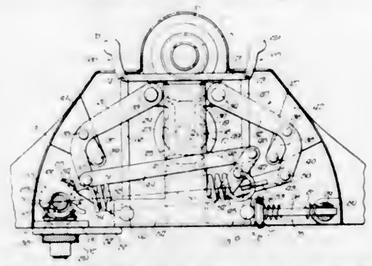
4. A fishing lure comprising a pair of elongated concave segments arranged in face to face abutting relation and secured together to form a closed hollow buoyant body, a first wall arranged transversely of and within one of said segments adjacent to and spaced from one end thereof and from the transverse center line of said segment and secured to said one segment, a second wall arranged transversely of and within the other of said segments adjacent to and spaced from one end thereof and from the transverse center line of said other segment and secured to said other segment, said second wall abutting and forming with said first wall a partition to thereby subdivide the hollow body into a pair of compartments, a tail member embodying a flat shank portion and a flat heart shaped portion arranged at an angle with respect to said shank portion and connected by a narrow section to the latter, said flat heart shaped portion being positioned exteriorly of and contiguous to the end of said hollow body adjacent said partition, the shank portion of said tail member extending between and being engaged by the abutting end portions of said segments and the abutting walls of said segments, said narrow section of said tail member being contiguous to the abutting end portions of said segments, a fixed socket element arranged transversely of and within and carried by one of said segments intermediate said partition and said one end of said hollow body adjacent said partition extending through said shank portion of said tail member, a seat arranged transversely of and carried by the other of said segments and embracingly receiving the adjacent end portion of said socket element, there being a socket extending longitudinally inwardly from the other end of one of said segments, a fishhook unit arranged exteriorly of said body and secured to said socket, and a second fishhook unit positioned exteriorly of said body and dependingly secured to said socket element, said heart shaped portion of said tail member being provided with means for attachment of a connector member thereto.

2,598,772
LAMP LEAD INSULATOR
William B. Elmer, Boston, Mass., assignor to Wheeler Reflector Company, Boston, Mass., a corporation of Massachusetts
Application January 12, 1950, Serial No. 138,159
2 Claims. (Cl. 174—154)



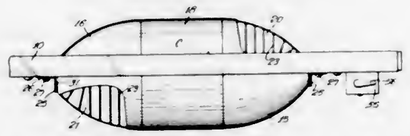
1. A lamp lead insulator clamp comprising two insulator members each having in one side a cable-receiving groove extending from one end to the other thereof and in the opposite side a second groove extending at right angles to the cable-receiving groove, said second groove being wider at its bottom than at its mouth, a straight clamping plate occupying the second groove of each insulator member, each clamping plate being wider than the mouth of the groove it occupies and projecting at each end beyond the corresponding insulator member, said clamping plates having a substantially parallel relation, clamping screws connecting each projecting end of each clamping plate with the corresponding projecting end of the other clamping plate, the projecting portion at one end of one clamping plate having a transversely extending open ended slot to receive the corresponding clamping screw and through which said screw can be moved into and out of operative engagement with said clamping plate, the projecting portion of the clamping plate having a lug extending laterally therefrom and engaging the end of the corresponding insulator member, thereby to prevent said insulator member from movement relative to the clamping plate in a direction toward the slotted end thereof, whereby when the clamping screw is disengaged from the slot said insulator member will be prevented from slipping off from the clamping plate.

2,598,773
WRINGER
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa, a corporation of Iowa
Application August 11, 1945, Serial No. 610,236
11 Claims. (Cl. 68—263)



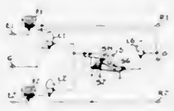
1. A wringer having, in combination, separable wringer rolls, link mechanisms including tensioning means connected with one of said rolls to normally urge the same into operative squeezing contact with the other of said rolls, a rock shaft extending between and connecting said link mechanisms for simultaneous operation, manual roll release means connected with said link mechanisms to maintain the rolls in such operative contact, said manual release means comprising a parallelogram framework having portions thereof flanking the wringer rolls, said parallelogram framework having at least one rock shaft disposed adjacent to the aforesaid rock shaft, means to normally hold said framework in predetermined position with respect to said rolls, and latch means connected with and extending between said rock shafts and adapted to counteract the release of said tensioning means of said link mechanisms but releasable upon movement of the parallelogram framework and the second mentioned rock shaft to thereby cause separation of the wringer rolls through said link mechanisms.

2,598,774
WINDOW VENTILATOR
Herbert P. Fields and Bruno Kucinski, Chicago, Ill.
Application April 15, 1950, Serial No. 156,184
2 Claims. (Cl. 98—94)



1. A window ventilator comprising a vertically disposed mounting plate having an elongated opening with converging opposite end portions, a casing having walls symmetrically disposed about an axis substantially coincident with a line extending centrally for the length of the plate opening and contoured in conformity therewith to lie close thereto but spaced therefrom, means providing at each end of the casing a rotatable mounting therefor axially thereof, the casing having in one converging end portion an opening extending through nearly 180° and in the other curved end portion a like opening but disposed diametrically opposite thereto, a motor within the casing having its shaft substantially coaxial therewith, means supporting the motor fixedly within the casing to rotate therewith, and a pair of propellers fixed to the shaft at spaced points lengthwise thereof, one toward each casing opening but inwardly thereof, acting to propel air lengthwise therethrough when drawn in through the opening facing upon one side of the mounting plate at one end of the casing for eduction at the opposite end thereof upon the other side of the mounting plate.

2,598,775
ELECTRIC TEST DEVICE
Edward J. Fischer, Vancouver, Wash.
Application May 11, 1951, Serial No. 225,734
2 Claims. (Cl. 175—183)



2. For insertion between the polarized plug and receptacle making connection between a three wire grounded neutral electric source and an electric load adapted to be served thereby, a test device comprising means for connecting the neutral one of said three wires through said device, means for connecting a separate fuse in each of the other two of said three wires, means for connecting a pair of electric lamps in series between said other two wires, means for connecting the common terminal of a single pole double throw switch to said neutral wire through a third electric lamp, means for connecting one throw terminal of said switch to one of said other wires, and means for connecting the other throw terminal of said switch to the connection between said pair of lamps.

2,598,776
CLIP FOR ATTACHING TRIM OBJECTS
Laurence H. Flora, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 23, 1950, Serial No. 191,599
3 Claims. (Cl. 24—213)



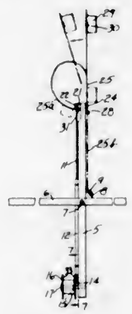
1. A fastener for securing a trim object to a supporting part, said trim object having means defining a pair of spaced grooves at the underside thereof, said fastener comprising a piece of sheet metal defining a base and a pair of spaced head sections receivable in said spaced grooves on the trim object, a shank projecting from the undersurface of said fastener base comprising

a leg member adapted to be secured to said supporting part, and a locking tongue projecting outwardly from the upper surface of said fastener base and having its free end extending outwardly beyond said pair of spaced head sections in position to engage said trim object for locking the fastener in attached position on said trim object.

2,598,777
RECOVERING GALLIUM FROM METALLIC ALUMINUM
Francis C. Frary, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 23, 1948, Serial No. 4,062
3 Claims. (Cl. 204—105)

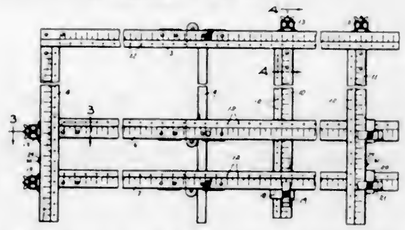
1. The method of recovering gallium from metallic aluminum, comprising adding aluminum containing gallium to a molten metal anode of an electrolytic cell, electrodepositing aluminum from the said anode on a cathode of the said cell through a molten salt bath layer, whereby gallium in the aluminum added to the said anode accumulates in the anode metal, subsequently dissolving gallium from the resultant anode metal by means of an alkali metal hydroxide solution after the gallium content of the anode metal has become higher in such operation of the electrolytic cell than the gallium content of the said aluminum added to the said anode, and thereafter precipitating such dissolved gallium from the resultant solution.

2,598,778
ICE FISHING TILT
Walter Fred, Worcester, Mass.
Application April 19, 1950, Serial No. 156,885
3 Claims. (Cl. 43—17)



1. In a fishing tilt, an upright support, a rocker arm pivotally supported adjacent to the upper end of said support, a flat spring one end of which is supported intermediate its ends on one end of said rocker arm, a signal flag on said spring adjacent to the free end thereof, means including a pin on said support to latch the flag end of said spring in a bowed position, said rocker arm serving when oscillated to release the spring from the pin, a fish line reel rotatably supported adjacent to the lower end of said support, and means including a reciprocable shaft between the other end of said arm and the reel whereby rotation of said reel serves initially to release said spring so that the flag goes up and thereafter to wave said flag in a vertical plane.

2,598,779
CURTAIN STRETCHER
Abel E. Garner, New York, N. Y., and Paul W. Getschman, Kenosha, Wis., assignors to Worldsbest Industries, Inc., Cudahy, Wis., a corporation of Wisconsin
Application May 29, 1950, Serial No. 164,928
3 Claims. (Cl. 45—24)



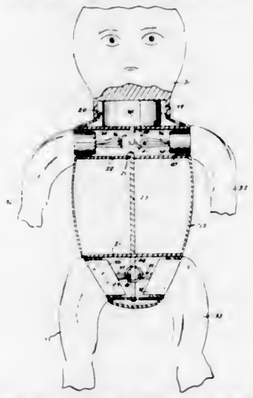
1. In a fabric stretcher, the combination of a top bar provided with pinning, an end bar provided with pinning, vertically disposed spaced adjusting bars provided with pinning, horizontally disposed spaced bottom bars, substantially equal in length to the top bar, provided with pinning, means for securing said bars together as a unitary frame to form a larger fabric receiving frame and a smaller fabric receiving frame of which said top bar and end bar form common elements, the pinning of the adjusting bar for the larger frame being in substantially the same plane as that of the top bar and the pinning of the adjusting bar for the smaller frame being rearwardly offset relative to that in the top bar, the pinning of the bottom bar for the smaller frame being rearwardly offset relative to that of said end bar, the securing means for the bars including clamping devices securing both of the bottom bars to the adjusting bar for the larger frame, the end bar and the adjusting bar for the larger frame each provided with a pivoted leg operatively braced relative thereto whereby said end bar and larger frame adjusting bar form supporting uprights for the stretcher.

2,598,780
TELESCOPIC SHAFTING ARRANGEMENT
Georges Garnier, Paris, France, assignor to Air-Equipment, Paris, France, a French company
Original application August 9, 1945, Serial No. 609,826. Divided and this application April 11, 1947, Serial No. 740,774. In France September 7, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 7, 1962
15 Claims. (Cl. 64—1)



1. A telescopic shafting arrangement for connecting a driving unit with a driven unit, comprising a tubular member one end of which is provided with inner splines, an end piece secured to said tubular member at the non splined end of the latter and adapted to be operatively engaged by one of the said units, a second member provided with outer splines adapted to slidingly engage the inner splines of said tubular member, a disconnectable ball joint arrangement operatively connected to the second member, an extension rigid with the second member and having an enlargement provided at its end, a lining inserted inside the non splined part of the tubular member adapted for guiding said enlargement, a locking device fixed on said lining for cooperating with the enlargement and for axially locking the two members in at least one selected position and a spring located inside the tubular member and resting on the lining and on the second member so as to yieldingly push said second member with reference to the tubular member.

2,598,781
DOLL AND THE LIKE
Henri Gerbaud, New York, N. Y.
Application February 27, 1951, Serial No. 212,925
10 Claims. (Cl. 46—161)



1. In a doll or the like, a torso-shaped shell of a material having resilient quality, a head member carried thereon; said shell being provided with an opening through which frame components may be inserted therein, a plurality of components inserted into said torso-shaped shell and set in engaging relation to form a rigid unitary frame structure therein engaging the interior surface of said shell; said unitary frame structure presenting the ends of tubes at the respective limb regions of the torso-shaped shell with the axes thereof intersecting the shell wall at such regions respectively; said tube ends offering support for a limb at each limb region of the torso-shaped shell; the wall portion of the torso-shaped shell at each limb region having an opening of less area than the hole of the tube end adjacent said wall portion, permitting the insertion of a limb end into each of said tube ends respectively, a limb at each limb region positioned with one end through said opening at said limb region and extending into said tube end, whereby each said wall portion is formed as a bushing on the limb end within said tube end; said bushing being in snug fit with the interior surface of said tube end in which it is positioned and with said limb end which extends therein and means within said torso-shaped shell holding the limbs connected to said shell.

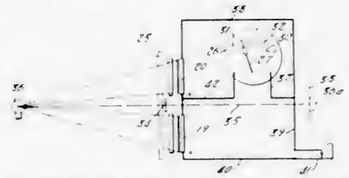
2,598,782
TRACK SHOE WITH CUSHIONED HEEL-RECEIVING POCKET
George H. Gillis, Fitchburg, Mass.
Application November 4, 1949, Serial No. 125,611
2 Claims. (Cl. 36—2.5)

1. A track shoe having an innersole, an outersole, and upper materials, said outersole extending about the heel portion of the shoe and upwardly toward the top edge of the shoe and outwardly of said upper materials at the heel end, said upper materials having their lower margins extending between said inner and outersoles, lines of stitching spaced from the central axis of the shoe securing said outersole extension to said upper materials, and lines of stitching on opposite sides of the shoe joining said upper materials



and inner and outersole adjacent to the side margins of said soles, said outersole and upper materials and innersole forming a longitudinally and laterally concave heel-receiving pocket, a rounded cushioning plug seated and cemented substantially centrally in said pocket, and cushion material and a sock lining overlying said plug and said innersole and upper materials within said pocket.

2,598,783
METHOD AND APPARATUS FOR MEASURING AND VARYING THE COLOR QUALITY OF LIGHT
Virgil O. Gittus, Brooklyn, N. Y.; Lillie Rocker Gittus, administratrix of said Virgil O. Gittus, deceased, assignor to herself
Application November 2, 1948, Serial No. 57,892
8 Claims. (Cl. 88—23)

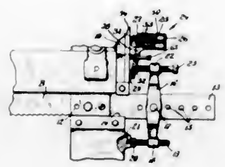


6. In a device of the character described, in combination, a pair of photocells, means to apply a quantity of multicolored light to one of said cells to set up an electric response, means to apply a component of a second quantity of said light to said second cell whereby a second electric response may be set up, said second light quantity being in pre-determined ratio to said first quantity, a meter electrically connected to both said cells to indicate the difference of said electric responses, and means to apply a color compensating filter to both said light quantities whereby said electric responses may be equalized.

2,598,784
HACKSAW BLADE TENSIONING DEVICE
Dewey E. Gommel, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana
Application January 10, 1947, Serial No. 721,386
16 Claims. (Cl. 143—156)

1. A hack saw frame comprising a body member, retaining means carried by said body member and engageable with one end of a blade, an element shiftably supported on said body member for movement toward and away from said retaining means, holding means carried by said

element and engageable with the other end of such blade, a lever operatively connected with said element for movement relative thereto, means limiting movement of said lever in one direction relative to said element, a tensioning device comprising a first member and a second member and a spring tending to separate said members, an



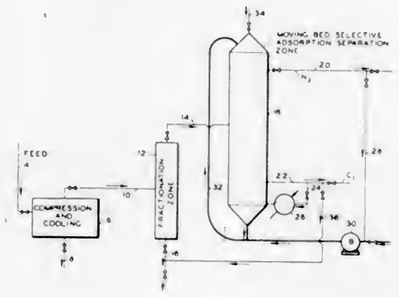
arm projecting from said first member, said arm and said second member bearing against relatively spaced points on said body member adjacent said element, and means threadedly associated with said lever and engaging said arm intermediate the points of engagement of said arm and said second member with said body member.

2,598,785

TREATMENT OF GASEOUS HYDROCARBON MATERIAL STREAMS

John L. Groebe and Joseph T. Karbosky, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application January 4, 1950, Serial No. 136,822
6 Claims. (Cl. 62—175.5)



1. A process for treating a gaseous mixture comprising nitrogen, methane, and C_2 and higher-boiling hydrocarbon materials which comprises: compressing and cooling said mixture, thereby condensing said C_2 and higher-boiling hydrocarbon materials; passing resulting uncondensed nitrogen and methane into a low-temperature fractional distillation zone and therein effecting a fractional separation of nitrogen and methane; withdrawing an overhead stream containing nitrogen and methane from said low-temperature fractional distillation zone, passing same into a selective adsorption separation zone and therein separating nitrogen and methane; and withdrawing a resulting overhead nitrogen stream and a bottoms methane stream from said selective adsorption separation zone.

2,598,786

DYEING OF ORGANIC DERIVATIVE OF CELLULOSE TEXTILE MATERIAL INVOLVING THE STEPS OF IMPREGNATING IT WITH A FREE LEUCO VAT-DYESTUFF, OXIDATION, AND ALKALINE REDUCTION OF THE OXIDIZED DYESTUFF

William T. Haggerty, Jr., and George C. Ward, Cumberland, Md., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application February 16, 1950, Serial No. 144,584
2 Claims. (Cl. 8—36)

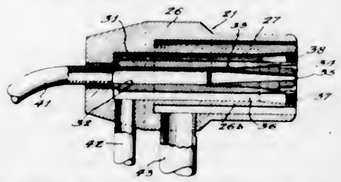
1. Process for the coloration of textile materials which comprises mechanically impregnating an organic derivative of cellulose textile material with an aqueous dispersion of a free leuco vat dyestuff, drying the impregnated textile material in air whereby the dyestuff is oxidized, impregnating the dried textile material with an aqueous solution containing 1.5 to 12% by weight of sodium sulfoxylate formaldehyde and 1.5 to 12% by weight of sodium carbonate, steaming the wet textile material again to reduce and fix the free leuco vat dyestuff on the textile material, and then oxidizing the vat dyestuff to the final colored form in an aqueous oxidizing bath.

2,598,787

TORCH WITH CONCENTRIC GAS, OXYGEN, AND MIXTURE OUTLETS

Werner H. Haak, Brookfield, Ill.

Application July 10, 1948, Serial No. 38,069
2 Claims. (Cl. 158—27.4)



1. A torch of the class described comprising a central unobstructed passage means providing a relatively small orifice disposed on the longitudinal center line of the torch, and intermediate and outer annular passage means disposed concentrically about the central orifice, the intermediate annular passage at the face of the torch being broken up into a multitude of small passages, and the outer annular passage being entirely unobstructed throughout its circumference, means providing a mixing chamber communicating with the central passage, means providing an oxygen inlet passage and a gas inlet passage in the mixing chamber, gas inlet passage means communicating with the outer annular passage and oxygen inlet passage means communicating with the intermediate annular passage.

2,598,788

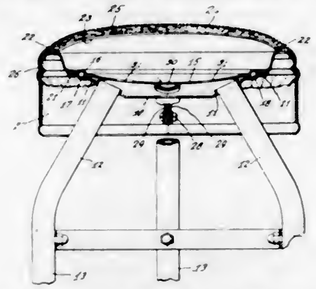
STOOL

Bertis F. Hamilton, Columbus, Ind.

Application September 6, 1949, Serial No. 114,117
6 Claims. (Cl. 155—95)

1. A stool, comprising a base and a seat, said base including a circular sheet-metal plate and an annular series of legs, the upper ends of said legs being rigidly secured to and interconnected by said plate, said seat comprising a sheet-metal bottom and a cover therefor, said plate and bottom being provided with opposed annular offset

portions defining a ball-race, and an annular series of bearing balls in said race, said bottom being provided with an annular series of integral



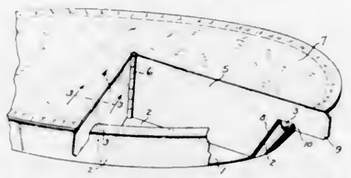
ears bent to engage loosely beneath the periphery of said plate to retain the seat and base in assembled relation.

2,598,789

PIE HOLDER

James A. Harrell, Portland, Oreg.

Application October 13, 1949, Serial No. 121,109
3 Claims. (Cl. 65—12)



1. A device for protecting the exposed edges of food remaining in a circular walled dish after removal of a wedge-cut portion therefrom, said device comprising a pair of plates hingedly joined together at one of their respective ends, said plates being proportioned and arranged to engage the exposed edges to be protected, the free end of each plate having an edge complementing the slope of the dish wall, handle means on the free end of each plate, abutment means on each handle spaced from said complementing edge for freely engaging the outer periphery of the dish wall, whereby to maintain contact of said wall and complementing edge and to maintain the hinged ends of the plates at the center of the dish, and a blade extending laterally from the base of each plate for engaging the bottom of the food.

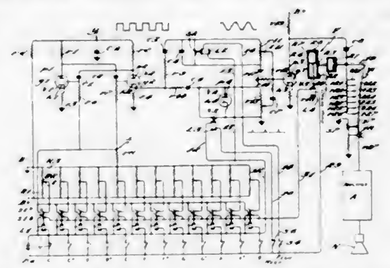
2,598,790

ELECTRICAL MUSICAL INSTRUMENT

John Michael Harrison, Dorchester, Mass., assignor to Aeolian-Skinner Organ Company, Inc., Boston, Mass., a corporation of Massachusetts

Application January 13, 1949, Serial No. 70,613
6 Claims. (Cl. 84—1.26)

1. In an electrical musical instrument wherein electronically generated signals are audibly reproduced, a direct power supply, a tunable oscillator including at least one vacuum tube having an anode energized from said supply, the frequency of the output of said oscillator varying as a function of the anode potential, and a circuit interconnecting said anode and said power supply, said circuit including a reactance having a value whereby as the oscillator is tuned, the time delay required for the anode potential to



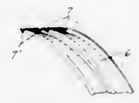
reach a steady state condition is reflected in the audible output to simulate the initial frequency drift of an organ pipe.

2,598,791

TIRE TREADING MOLD

Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota

Application October 25, 1947, Serial No. 782,111
8 Claims. (Cl. 18—18)



1. A tire retreading device comprising a cylindrical mold member having a plurality of axially spaced inwardly directed generally parallel circumferential ribs for molding the tread design of a tire, two axially spaced and circumferentially arranged flanges lying between each adjacent pair of ribs and extending radially inwardly from the bases of said ribs to a lesser extent than said ribs and supported by said member, each of said flanges being substantially equally spaced from its adjacent rib of said pair and being shaped to engage with a side of a wire coil skid resisting means to be embedded in said tread and for positioning same centrally of the channel.

2,598,792

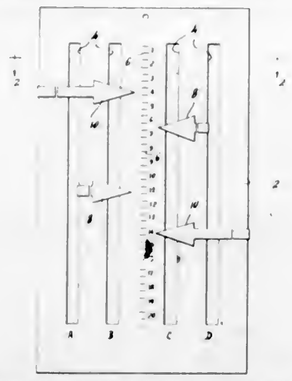
SUBWAY AND TRAIN SEAT INDICATOR

Charles Heine, New York, N. Y.

Application January 3, 1950, Serial No. 136,442
1 Claim. (Cl. 116—135)

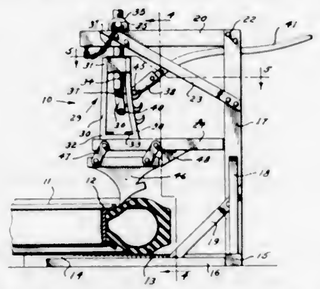
A train seat indicator comprising a sheet of stiff material having in its center portion a longitudinal row of indicia parallel to opposite edges of the sheet and having two pairs of longitudinal slots each pair being in a side portion of the sheet and parallel to and co-extensive with said row of indicia; a first pair of pointers; and a second pair of pointers; each pointer being formed of a single strip of material and having an arrow-shaped portion rightangularly disposed to the slots and pointing toward the row of indicia; each of said first pair of pointers having a sleeve portion which is slidable on and surrounds a section of a side portion of said sheet intermediate a pair of slots, and having a short intermediate portion rightangularly disposed to the arrow-shaped portion and joining the latter to the sleeve portion; and each of said second pair

of pointers having a sleeve portion which is slidable on and surrounds a section of an edge portion of said sheet intermediate an outer edge of the sheet and that slot which is next to said edge, and having a long intermediate portion rightangularly disposed to the arrow-shaped



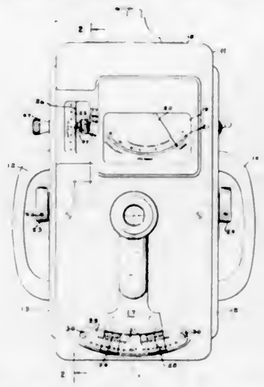
portion and joining the latter to the sleeve portion in such a manner that the arrow-shaped portions of said second pair of pointers move on a plane which is farther spaced from said sheet than is the plane on which move the arrow-shaped portions of said first pair of pointers.

2,598,793
LEVER ACTUATED AXIALLY SHIFTING TYPE TIRE LOOSENING APPARATUS
Frank London Helthn, San Benito, Tex.
Application September 24, 1949, Serial No. 117,641
3 Claims. (Cl. 157—1.17)



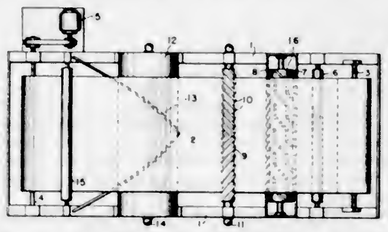
1. In an apparatus for changing tires, a horizontal support on which the tire is adapted to rest, a standard secured to and extending upwardly from the support, a horizontal platform mounted for vertical movement on the standard, a shoe pivotally secured to and depending from the platform, a horizontal abutment attached to the standard at a point above the platform, a casing fixed to the platform, a rod-like element secured to the abutment and extending into the casing, a link pivoted to the rod-like element, a handle projecting into the casing, a pivotal connection between the handle and the link and means to pivotally connect the handle to the casing whereby movement of the handle moves the link upwardly against the rod-like element and the casing and platform downwardly thus forcing the shoe between the tire and rim to release the tire.

2,598,794
LEVELING MECHANISM FOR HEADLIGHT TESTERS
Herbert Glenn Holmes, Lansing, Mich., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Original application June 18, 1940, Serial No. 341,178. Divided and this application April 22, 1946, Serial No. 663,909
10 Claims. (Cl. 33—180)



1. A leveling mechanism for a headlight testing instrument having a reference axis adapted to be aligned with the beam of light projected from a headlight, comprising a scale on said instrument, a pointer pivotally mounted on said instrument for movement over the scale, a spirit level pivotally mounted on said instrument between said scale and the pivotal mounting of said pointer, means pivotally connecting said pointer with said level between their respective pivots, and means for operating said pointer to position the level for centering the bubble thereof horizontally in the level whereby the pointer indicates on the scale the inclination of the headlight beam above or below the horizontal.

2,598,795
APPARATUS FOR PRODUCING MOIRE FABRICS
Hans A. Holterhoff, New York, N. Y.
Application July 29, 1949, Serial No. 107,427
4 Claims. (Cl. 26—69)

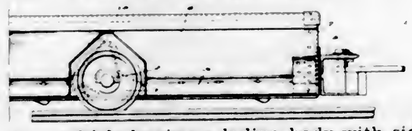


1. In an installation for the manufacture of designed fabrics such as printed cotton goods, moireed fabrics and the like the combination of a pattern applying tool having portions conforming in shape to the design areas, means to wet the surface of said tool, a spreading tool and means to heat the same, said design applying tool and said spreading tool being located in substantially successive relationship and means to conduct the fabrics through said tool combination whereby the contours of the wetted designed areas are fixed by contact with the heated spreading tool.

2,598,796
METHODS FOR THE REDUCTION AND SINTERING OF BODIES CONTAINING REDUCIBLE METAL COMPOUNDS
Sven Ingvar Hulthen, Hoganas, Sweden, and Matti Haakon August Tikkanen, Helsingfors, Finland, assignors to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden, a corporation of Sweden
No Drawing. Application February 28, 1948, Serial No. 12,006. In Sweden February 8, 1947
2 Claims. (Cl. 75—22)

1. In a process for producing an article of predetermined shape from powdered material consisting essentially of Fe_2O_3, the steps comprising compacting said powdered material at a pressure of not over about 3 tons per square centimeter into a body having substantially the shape of the article to be produced, heating the compacted body at a rate not exceeding 5° C. per minute to a temperature of about 600° C. in an atmosphere consisting essentially of a reducing atmosphere, and maintaining it at said temperature for a sufficient length of time for a substantial part of the gas evolved at said temperature to escape during the reduction of the valency involved without causing cracks in the body, and then heating to a temperature in the range of 1000 to 1250° C. in an atmosphere consisting essentially of a reducing atmosphere for a sufficient length of time to complete the reduction of the oxide and for at least presintering to take place.

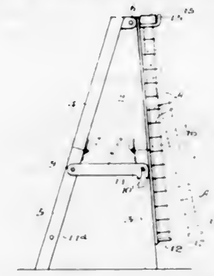
2,598,797
MINE CAR SEALING DEVICE
Robert E. Jones, Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware
Application April 8, 1949, Serial No. 86,331
6 Claims. (Cl. 105—253)



1. In a vehicle having a lading body with side sill structures separated and having a bottom opening therebetween for the discharge of lading therethrough, wheels for supporting the lading body, deeply recessed wheel hood coverings connected with the lading body on opposite sides thereof over the wheels, and a door for closing said bottom and having the edge portions thereof in relatively close proximity to the side sill structures, the combination of a tie plate extending between the opposite wheel hood coverings and connected therewith and having wing sections on opposite edges thereof extending in overlapping relation with the cracks between the door and the hood coverings substantially throughout the width to the latter.

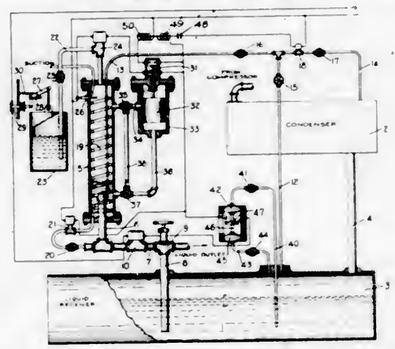
2,598,798
CLEANING STAND FOR VENETIAN BLINDS
Eva M. Kerr, Pittsburgh, Pa.
Application March 19, 1947, Serial No. 735,680
2 Claims. (Cl. 15—268)

1. A cleaning apparatus for Venetian blinds having a plurality of horizontal flat slats adjustably supported by tapes for movement to and from closed and open position which comprises a rectangular framework having parallel side members with a plurality of vertically extending spaced parallel slats therebetween, said framework further having an upper edge provided with hangers on which a blind to be cleaned may be hung, said framework having a size such that each horizontal slat of a blind supported thereon in open position will have supporting engagement at spaced points along its length with a plurality of said vertical framework slats so that a brushing or wiping action may be applied to effect a



cleaning action without substantial movement of the blind relative to said framework, the pressure applied to the blind slats by the cleaning action being transmitted directly through said vertical slats to said framework without material bending of the blind slats, said vertical framework slats providing a plurality of vertically extending drain openings through which cleaning liquid may drain from the blind, and hinge means separating said framework into upper and lower parts for pivotal movement to a collapsed position in which said parts overlie each other for convenience in transportation from one site to another.

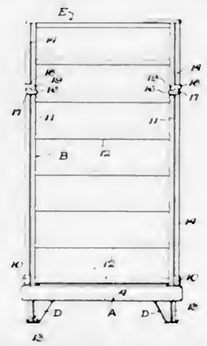
2,598,799
MEANS FOR PURGING REFRIGERATION SYSTEMS
William J. Kiene, Park Ridge, Ill.
Application January 4, 1949, Serial No. 69,183
4 Claims. (Cl. 62—3)



1. In a refrigerating system containing a volatile refrigerant and including a condenser and a receiver, means for purging the system of noncondensable gases including a purge chamber interposed in said system and arranged so as to permit the liquid refrigerant to flow thereinto, an electrical circuit, a pressure differential con-

trol switch arranged in said circuit for controlling the purging system, said switch connected to said receiver and controlled by the pressure differentials existing therein, means connecting said receiver with said purge chamber through which the liquid refrigerant passes from said receiver into said purge chamber, a solenoid actuated valve arranged in said connecting means, said solenoid being controlled by said pressure differential control switch, another solenoid actuated valve arranged in a connection for venting the purge chamber, and means arranged in said electrical circuit which is controlled by the level of the liquid refrigerant in said purge chamber and the pressure differential control switch for controlling the energization of said last mentioned solenoid valve.

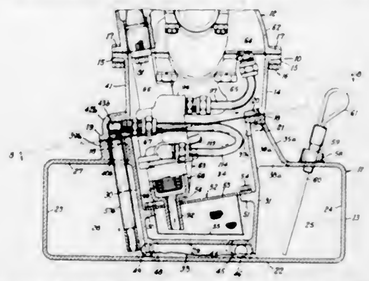
2,598,800
SHIPPING CONTAINER
Edward Kopper, Winnetka, Ill., assignor to Peerless Equipment Company, Chicago, Ill., a corporation of Delaware
Application April 16, 1948, Serial No. 21,419
7 Claims. (Cl. 248—120)



2. A shipping container, comprising, in combination, a pallet having sockets in opposite corners, side sections having dowel portions fitting in the sockets to hold the sections erect, upstanding keeper means on the upper side of the pallet spaced from the mouth of each socket to provide recesses in cooperation with the side sections, end sections adapted to be positioned on top of the pallet with the bottom corners fitted in said recesses, and cooperating means on related edge portions of the side and end sections adapted for inter-engaging connection simultaneously with the movement of the end sections downwardly relative to the side sections to place the bottom corners of the end sections into said recesses.

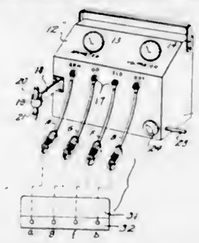
2,598,801
LUBRICATING APPARATUS FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE
George M. Krug, Canton, Ohio, assignor to Hercules Motors Corporation, Canton, Ohio, a corporation of Ohio
Application December 24, 1949, Serial No. 134,901
15 Claims. (Cl. 184—6)

1. In lubrication apparatus for parts requiring lubrication in an internal combustion engine and the like, walls forming a sump chamber for a main flowable lubricant supply, walls forming an auxiliary lubricant supply chamber outside of the sump chamber for an auxiliary flowable lubricant supply, one of the sump chamber walls having formed therein an overflow opening effecting a communication between the sump chamber and the auxiliary lubricant supply chamber, a main lubricant pump and an auxiliary lubricant pump in the sump chamber, walls forming an auxiliary lubricant transfer chamber and a thermostat chamber adjacent each other in the sump chamber, one of the walls of the auxiliary lubricant transfer chamber having formed therein a valve seat opening communicating with the thermostat chamber, a valve movable between closing and opening positions with respect to the valve seat opening, a thermostat located in the thermostat chamber and operatively connected with the valve for opening and closing the valve above and below



a particular temperature of the media surrounding the thermostat, a suction line for the main pump communicating between the sump chamber through the thermostat chamber and to the main pump and a discharge line for the main pump communicating from the main pump to the parts requiring lubrication and thence to the sump chamber, a suction line for the auxiliary pump communicating from the auxiliary lubricant supply chamber to the auxiliary pump, and a discharge line for the auxiliary pump communicating from the auxiliary pump through the auxiliary lubricant transfer chamber and over the valve and to the auxiliary lubricant supply chamber.

2,598,802
TESTING APPARATUS FOR VOLTAGE REGULATORS FOR AUTOMOTIVE VEHICLES
Irvin W. Lacher, Columbus, Ohio
Application February 28, 1949, Serial No. 78,844
2 Claims. (Cl. 175—183)

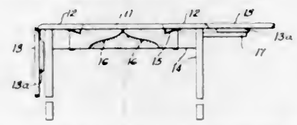


1. Apparatus for testing automotive vehicle voltage regulators of the type having a current control relay switch including a movable armature, and battery, field, armature and ground connections, comprising a portable frame; an electrical induction motor mounted on said frame; means connected in series with said motor for varying the speed thereof; an electrical generator driven by said motor and having an armature terminal, field terminals, and a ground terminal; a first lead extending remotely of said frame for attachment to the armature connection of a regulator to be tested and electrically connected with the armature terminal of said generator; means in said first lead for measuring the passage of current therethrough; a second remote lead for attachment to the ground connection of a regulator and electrically connected between the armature and ground terminals of said generator; a voltmeter connected with said second lead for indicating the voltage passage therethrough; a third remote lead for attachment to the battery connection of a regulator and electrically connected with the ground terminal of said generator; means in said third lead for dissipating current passing therethrough; a fourth remote lead for attachment to the field terminal of a regulator; switch means selectively operable to connect the field terminals of said generator with either said first and fourth leads or with said second and fourth leads; and a calibrated weight arranged to bear against the armature of the current control relay switch of a regulator being tested and thereby to cause the current control relay switch to operate at a current less than that normally required for the operation of such switch.

2,598,803
BETA SUBSTITUTED GAMMA LACTONES
Elbert C. Ladd and Homer W. Paxton, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 27, 1950, Serial No. 187,154
7 Claims. (Cl. 260—344)

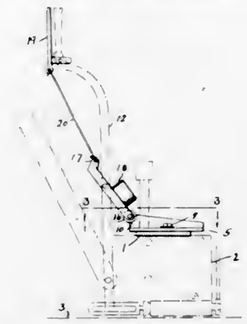
1. Beta - acyl - beta - carbalkoxy-alkanoic acid gamma-lactones, said acyl being selected from the class consisting of alkanoyl, benzoyl, and naphthoyl.

2,598,804
EXTENSIBLE DROP-LEAF TABLE
Lars G. Larson, Chicago, Ill.
Application June 29, 1949, Serial No. 101,991
2 Claims. (Cl. 311—52)



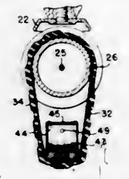
1. In an extensible table, a rectangular central top member, an extension leaf, a drop leaf, a rectangular table base for supporting said central member and said leaves, and a link connecting said extension leaf to such table for movement of said extension leaf between a first position overlying at least a portion of said central member and a second position alongside said central member, one surface of said extension leaf being uppermost in both of said positions and one edge of said extension leaf abutting a longitudinal edge of said central member when in said second position, said drop leaf being pivotally connected to a second edge of said extension leaf opposite said abutting edge, said base being rotatable with respect to said central member about a vertical axis between a normal position and a rotated position displaced 90° from said normal position, said base when in said normal position being entirely covered by said central member and the ends of said base extending outward of the longitudinal edges of said central member when said base is in said rotated position, one of said ends of said base when in said outward extending position being adapted to support said extension leaf in said second position and being adapted to support said drop leaf when said extension leaf is in said first position, said base having an extendible bracket at said one end of said base, said bracket being adapted to support said drop leaf when said base is in said rotated position and said extension leaf is in said second position.

2,598,805
LATCH MEANS
Louis T. Larson, Houston, Tex.
Application August 8, 1949, Serial No. 109,141
3 Claims. (Cl. 74—537)



1. A lever latch comprising, a latch plate, a flange upstanding therefrom and having a forwardly and upwardly sloping edge terminating at its forward end in an arcuate seat, a latch arm pivoted to said lever, a roller on one end of said arm disposed to ride on said flange and to seat in said arcuate seat to latch said lever, means securing the flange to the latch plate for adjustment thereon to move said arcuate seat toward and away from the roller, the other end of said latch arm having an upstanding lug, a grip member pivotally mounted on the lever, and a pull rod connected at one end to said grip member and at its other end to said lug.

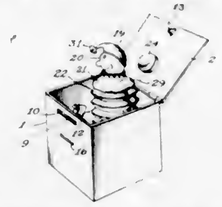
2,598,806
HAND STAMP
Howard V. Lauer, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 11, 1949, Serial No. 120,689
10 Claims. (Cl. 101—103)



1. A hand stamp including, in combination, a frame having spaced apart cross members around which type-bearing endless capillary porous printing bands are looped, one of said cross members having a hole located at each band; a printing fluid font supported by the frame so as to be within the loops; and a capillarily porous wick extending into the font and having branches extending through said

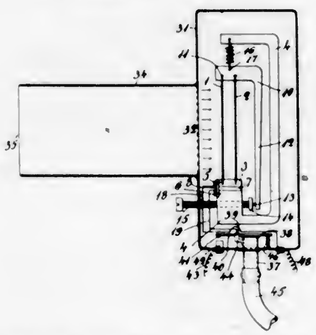
holes in the cross member so that the ends of said branches of the wick continuously press against the backs of the associated bands and in sliding contact therewith for capillarily conducting printing fluid from the font to the pores of the bands.

2,598,807
EXPANSIBLE TOY AND BANK
William E. Lawson, Jr., and William E. Lawson, Sr., Rahway, N. J.
Application October 29, 1948, Serial No. 57,292
3 Claims. (Cl. 46—3)



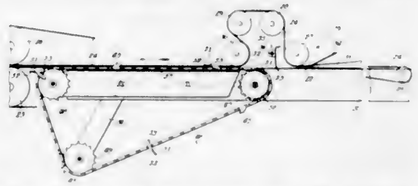
2. An amusement and savings device including a box and a cover thereon, a partition in the box forming a coin compartment in the lower portion of the box, the box having a coin slot communicating with the coin compartment, an expansible toy in the upper portion of the box, a catch on the box cover, a spring mounted latch in the box to engage the catch, the partition having a slot, said latch spring passing through said slot, said latch spring arranged adjacent the coin slot, whereby a coin inserted in the coin slot moves the latch to release the cover, and a shoulder formed in said spring and adapted to engage the partition adjacent the lower end of the partition slot to prevent undue flexing of the latch spring.

2,598,808
HEATING APPARATUS AND RADIATION RELAY THEREFOR
Sven Harald Ledin, Malarhojden, Sweden
Application April 20, 1949, Serial No. 88,596
In Sweden April 24, 1948
12 Claims. (Cl. 200—137)



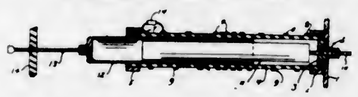
1. A radiation relay comprising an elongated radiation absorbing expansion member, an elongated temperature compensating expansion member, a support on which each of said members is mounted at one of the ends thereof, a contact lever, said members being fixed to said lever at the other ends thereof at spaced points on said lever, whereby said members move said lever in the same direction as and by substantially the same amount that said members expand due to variations in the ambient temperature of said relay, and whereby said radiation absorbing member upon absorbing radiation heat will rotate said lever about the point at which said temperature compensating member is fixed to said lever, a movable contact element mounted on one side of said lever which extends in a direction substantially parallel to the direction in which said members expand, and a stationary contact element mounted at a position opposite to said movable contact element, whereby said contact elements engage each other as a result of a given differential thermal expansion of said members.

2,598,809
CONVEYER MECHANISM FOR FOLDING CARTON BLANKS
Albert W. Liebl, Philadelphia, Pa., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application September 4, 1948, Serial No. 47,868
15 Claims. (Cl. 93—49)



14. In a machine for folding blanks having a bottom panel and end flaps connected to said panel along fold lines, means for advancing the blanks along a rectilineal path of travel, means for folding the leading end flap of the blank toward said panel in the travel of the blank, an endless belt having a run paralleling the path of travel of the blanks and driven thereby, abutments on said belt disposed to be contacted by the leading edges of the blanks for driving said belt in the advancement of said blanks, contact of the moving blanks with said abutments providing the sole means for driving said belt, and folding means comprising folding members carried by said belt disposed and adapted to fold the following end flap of the respective blanks toward the bottom panel thereof in the continued travel of said blank and the travel therewith of said belt.

2,598,810
WIDE RANGE HIGH-FREQUENCY TUNER
Harold T. Lyman, Milford, Conn., assignor to Aladdin Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application August 4, 1950, Serial No. 177,690
3 Claims. (Cl. 250—40)

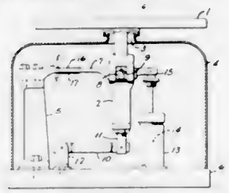


1. A high frequency tuner characterized by a broad tuning range over spaced low and high frequency bands without undesired responses, the tuner comprising in combination, a helical coil with an intermediate portion of relatively great turn density and end portions of relatively low turn density, a high frequency core fixedly mounted in the coil, a conducting sleeve adapted to telescope over the core and within the coil from one end to tune the coil over the low frequency band while under one of the end portions and over the high frequency band while under both end portions, and a capacitor connected across a portion of the turns of the coil adjacent said one end and adapted to resonate with the portion of the inductor across which it is connected at a frequency below the high frequency band when that band is being tuned by the sleeve and at a frequency above the low frequency band when that band is being tuned by the sleeve.

2,598,811
POLYMERIZATION OF AROMATIC NITRILES
John E. Mahan and Stanley D. Turk, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 26, 1948, Serial No. 62,247
12 Claims. (Cl. 260—248)

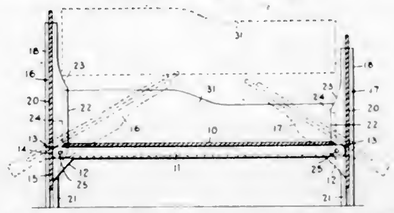
1. The process which comprises contacting an aromatic nitrile represented by the formula $RC{\equiv}N$ wherein R is selected from the group consisting of phenyl, naphthyl, anthryl radicals, alkyl substituted phenyl, naphthyl and anthryl radicals wherein the alkyl substituent contains not more than 5 carbon atoms and nitro substituted phenyl, naphthyl and anthryl radicals and wherein the $-C{\equiv}N$ group is attached to a ring-carbon atom with a catalytic amount of not more than 4 per cent by weight of a catalyst selected from the group consisting of alkali metal amides and hydrides and alkaline-earth metal hydrides to produce a 1,3,5-triazine.

2,598,812
ELECTRICALLY ACTUATED WEIGHING SCALE
Salvatore M. Marco and Wells L. Davis, Columbus, Ohio, assignors to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 20, 1947, Serial No. 735,890
3 Claims. (Cl. 265—27)



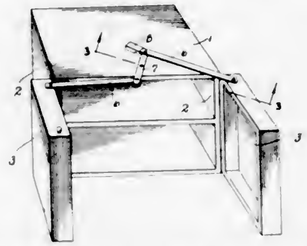
1. In an automatic weighing scale, in combination, a support, a cantilever spring extending horizontally from the support, a load receiver pivotally supported from the free end of the spring, a pair of resistance wire strain gauges attached one to the upper surface and one to the lower surface of the cantilever spring, a second support, a second cantilever spring attached to the second support, a motor and driven mechanism for deflecting the free end of the second spring, a pair of resistance wire strain gauges mounted one on the upper surface and one on the lower surface of the second spring, said pairs of strain gauges being connected and energized as a bridge circuit, an amplifier responsive to unbalance voltage of the bridge circuit for driving the motor of the motor driven mechanism to keep the bridge circuit balanced, and means for indicating the revolutions of the motor as a measure of load.

2,598,813
TOY OR MINIATURE BED
Chester T. Martin, McColl, S. C.
Application February 24, 1949, Serial No. 78,151
9 Claims. (Cl. 5—178)



1. A toy or miniature bed, comprising a bottom including side rails having openings disposed near the ends of said side rails, depending stop-blocks secured to the side rails adjacent to their ends and arranged a substantial distance below the openings, head and foot members, each of said members comprising posts and a panel secured to the posts and extending between the same, each post having an opening in alignment with one of the openings in the adjacent side rail, bolts disposed within the openings in the posts and having portions extending through the openings in the side rails for pivotally connecting the head and foot members to the side rails, each post being provided with a longitudinal groove extending a substantial distance above the bolts, and sides extending removably into the grooves of the posts a substantial distance above the bolts, such sides preventing the inward swinging of the upper ends of the head and foot members when the bed is assembled, the stop-blocks engaging the head and foot members below the bolts to limit the outward swinging of the upper ends of said members.

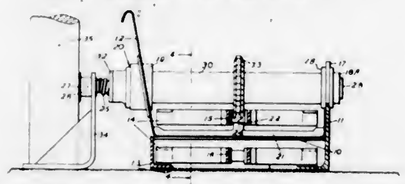
2,598,814
CUPBOARD DOOR CLOSURE
Don G. McAfee, Grand Rapids, Mich.
Application July 11, 1949, Serial No. 104,010
2 Claims. (Cl. 312—275)



1. In a structure of the class described, a case, cabinet or the like having spaced sides and ends, said cabinet being open at one side, spring actuated doors hingedly connected one to each of the opposite sides of the case or cabinet and normally moved by spring actuation to close said open side, a lever pivotally connected between its ends to one end of said case or cabinet, link bars pivotally connected each at one end to the opposite ends of the lever, said link bars at opposite ends being pivotally connected one to each of the doors, a holding stop means mounted on the end of the cabinet on which said lever is mounted, one end of said lever and the adjacent end of the link bar connected therewith being adapted to come to said hold-

ing stop when the doors are opened for engagement with said stop means to retain and hold the doors in open position, said lever having a part thereof, between its pivot and said stop means inclined outwardly so as to normally, upon coming to said stop means, be out of engagement therewith, but being adapted to be pressed into a position to engage said stop block when the doors are opened.

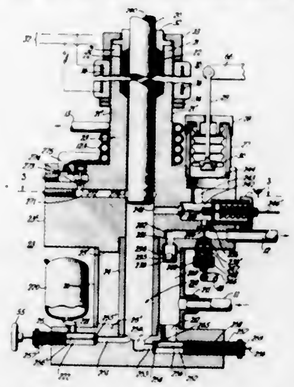
2,598,815
CONVEYER AND JACK FOR SHIFTING THE SAME
Thomas McCulloch, Glasgow, Scotland, assignor to Mavor & Coulson, Limited, Glasgow, Scotland
Application December 29, 1950, Serial No. 203,347
In Great Britain January 7, 1949
7 Claims. (Cl. 198—126)



6. The combination of a scraper conveyor and a screw jack for shifting it sidewise by pushing against a fixed abutment, said conveyor comprising a frame with side walls and upper and lower sections, a travelling component consisting of transverse flights and an endless power-driven roller chain interconnecting them, said component working along the upper section and returning along the lower section, a pair of co-axial bearings in said side walls, respectively and a thrust bearing on one of said walls, and said screw jack comprising a long sleeve extending across the upper section of said frame and being journalled near its opposite ends in said co-axial bearings, a nut on said sleeve, a sprocket on said sleeve, said sleeve, nut and sprocket forming a rotatable unit, a thrust face provided on said unit to contact said thrust bearing, means in the upper section of said frame training said roller chain to mesh with said sprocket, and a long screw which is screwed through said nut and extends therefrom inwards into the interior of the sleeve and outwards for engagement with said fixed abutment, said screw having means of engagement by which the abutment holds it against both axial and rotational movement.

2,598,816
METHOD AND APPARATUS FOR PUMPING A VOLATILE LIQUID
William F. Mesinger, Mount Vernon, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 18, 1941, Serial No. 402,891
34 Claims. (Cl. 103—153)

1. Apparatus for pumping a volatile liquid having a boiling point temperature materially less than 273° K. at atmospheric pressure, comprising the combination with a device for supplying liquid to be pumped having therein spaces for both gas and liquid, of a pump having a pump chamber in communication respectively with said gas and liquid spaces, valve means for closing said communication, a liquid discharge for said pump chamber, a plunger arranged to work in said pump chamber, the latter being provided with a desired clearance and said plunger being adapted to displace liquid through said discharge, means for supercharging the clearance space in



said pump chamber by the addition of material being pumped at a pressure higher than the normal inlet pressure, and correlated means for actuating said plunger, said valve means and said supercharging means.

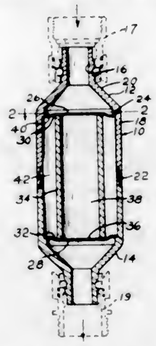
2,598,817
SASH MOUNTING
Robert W. Mohring, Wheaton, Ill.
Application February 10, 1949, Serial No. 75,594
7 Claims. (Cl. 16—172)



1. A sash mounting means comprising hingedly connected plate members, one of said plate members having a curved ledge normal to the surface thereof forming a diagonally extending abutment surface adapted to be positioned between upper and lower sash of a double sash window construction, said sash being arranged in coplanar relation and the other one of said plate members being adapted to swing to position a portion thereof over the outer face of the upper sash to lock said upper sash in supported position on said abutment surface.

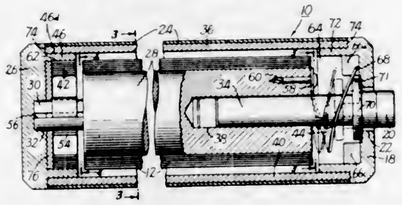
2,598,818
FILTER
James Muirhead, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application April 14, 1948, Serial No. 21,082
1 Claim. (Cl. 210—164)

A filter consisting of the following parts, a pair of substantially alike complementary shell members each having a reduced diameter portion at one end provided with a fitting, and an enlarged barrel portion at the other end with threaded means for connecting each of the barrel portions together, an integral internal annular shoulder within the enlarged barrel portion of each of said shells near the fitting end thereof, a pair of spaced concave saucer-like disk members, each being similar in shape and having a circular flat center area portion, surrounded by an annular offset portion and a radial annular rim portion, the rims of each being seated respectively upon said shoulders with their concavities facing one another, one of said members having a central aperture in the central part of the center area portion and the other



having apertures arranged in the annular rim and offset portions, and a tubular radial flow filter element coaxially supported under axial pressure between said members said element being of a diameter to seat upon the flat center area portions, and be centered thereon by the offset portions and of a length to bear against said disc members under pressure, when the shell members are assembled.

2,598,819
ADDRESS LISTING DEVICE
Hildaur L. Neilsen, Metuchen, N. J., and Arnold Neustadter, New York, N. Y.
Application March 3, 1950, Serial No. 147,522
2 Claims. (Cl. 220—4)

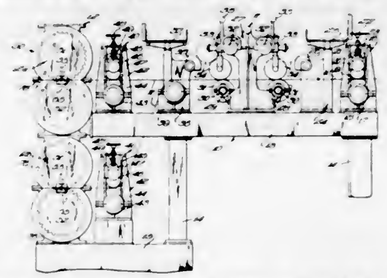


1. As a sub-assembly, a casing construction with a longitudinal opening consisting of a light weight sheet metal jacket which is sprung inwardly, plastic liners adapted to fit loosely against the inside walls of said jacket, and end pieces flanged to extend between said liners when said jacket is sprung outwardly, thereby to prevent disassembly of component parts when said liner flanges are welded to said end pieces.

2,598,820
SYNCHRONOUS DRIVE
Alonzo A. Neese, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application November 29, 1949, Serial No. 130,058
1 Claim. (Cl. 164—61)

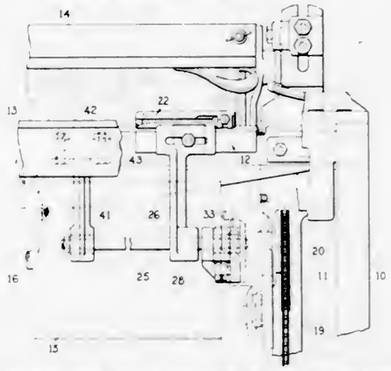
A cutter machine comprising superimposed pairs of rotating cutters each defining a cutting nip, superimposed pairs of draw rolls in advance

of the cutters to feed paper ribbons to the cutters, a guide roll for directing the paper ribbons to the draw rolls, slitters in advance of the guide roll for cutting a paper web longitudinally into ribbons of desired width, a pair of web feed rolls in advance of the slitters to feed a web to the slitters, a main drive shaft, belt and pulley connections from the main drive shaft to the web feed rolls, to the draw rolls, and to the slitters, a pair of superimposed speed changer devices each driven from a draw roll drive, superimposed gear trains each including a non-circular center gear driven from a speed changer device and mating first and second conjugate gears on opposite sides of each non-circular center gear, a separate fly-



wheel for each gear train driven by the first conjugate gear of each gear train, a separate differential unit for each gear train driven by the second conjugate gear of each gear train, each differential unit having a first pinion gear driven by the second conjugate gear, rotatable cage-carried gears driven by said first pinion gear and a second pinion gear driven by the cage-carried gears, means coupling each second pinion gear to a pair of said rotating cutters, means for selectively positioning the cage of each differential unit to vary relative positions of the cutters and conjugate gears for obtaining the desired instantaneous speed of the cutters at the point of cut, and means to adjust the speed changers to vary the mean speed of the cutters.

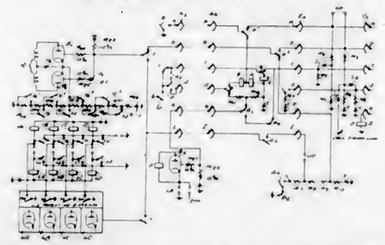
2,598,821
TEMPLE MOUNTING MEANS FOR LOOMS
Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 8, 1950, Serial No. 194,683
11 Claims. (Cl. 139—298)



1. In a loom having temples, a mounting means for said temples which comprises a shaft for

each temple, an arm fixed to said shaft and having its respective temple attached at its relatively free end, and bearing means for each said shaft which comprises a bracket adjacent each end thereof attached to a relatively fixed part of the loom, and torsion resisting, resilient bushings restrained against relative rotation within the brackets and upon the shaft, at least one of which is pretensioned to bias the temple carrying arm in a direction contra to the motion of the fabric being woven.

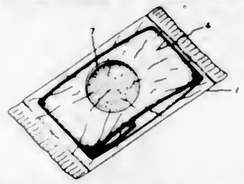
2,598,822
SIGNALING SYSTEM WITH PRIVATE BRANCH EXCHANGE SUBSCRIBER
Roelof M. M. Oberman, The Hague, Netherlands
Application July 30, 1947, Serial No. 767,530
In the Netherlands October 13, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 13, 1965
1 Claim. (Cl. 179—18)



A telecommunication system, comprising in combination, a register; a selector having a plurality of contact banks; means for positioning said selector by said register; a plurality of lines including a group of P. B. X lines consisting of a first line, intermediate lines, and a stop line; means for connecting said lines to said selector; means for marking said lines connected to said selector by different potentials according as said lines are disengaged and busy; resistors forming part of said line marking means; a voltage source connected to said resistor so as to apply different marking potentials to said lines of said P. B. X group where the same are busy, said resistors having different resistance values so as to apply contact marking potentials having predetermined and different values for said first line, said intermediate lines, and said stop line of said group of P. B. X lines, respectively; a device in said register for moving said final selector, said device being responsive to the contact marking potentials so as to move said final selector when said first line of said P. B. X group is busy to a disengaged line of said intermediate lines of said P. B. X group, and when all of the latter are busy, to said stop line of said P. B. X group; and means for stopping said final selector when the same has reached said stop line of said P. B. X group.

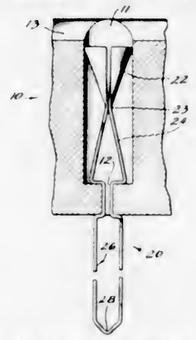
2,598,823
INHALANT PREPARATION
Austin Peter Joseph O'Grady, Lindfield, near Sydney, New South Wales, Australia
Application November 29, 1948, Serial No. 62,554
In Australia December 4, 1947
1 Claim. (Cl. 21—117)

An inhalant sachet comprising a flattened tube of porous paper, an exothermic reaction mixture adapted to generate heat and steam upon addition of water thereto disposed in a central portion of the tube, an inhalant in admixture with the exothermic reaction mixture, a wrapping for the flattened tube made of a material which is substantially impervious to water and steam, the



ends of the wrapping and tube being folded back beneath the said central portion, an opening in the wrapping above the said central portion, and a disposable water-proof covering for the sachet.

2,598,824
ELECTRICAL SOCKET DEVICE
James V. O'Neill and Eugene E. Overmier, Emporium, Pa., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application May 1, 1948, Serial No. 24,476
3 Claims. (Cl. 173—328)

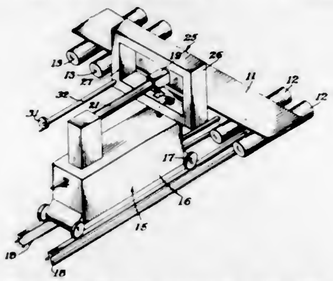


1. A radio tube socket including a body member of insulating material, said member having a number of cylindrical, tube-pin-receiving holes extending partially through said body from one end, said holes terminating in an end wall having a restricted aperture therein extending to the other end of said body, and a contact clip in each of said holes, said clip being in the form of an elongated strip of metal bent over on itself to form a pair of closely adjacent legs, the end portion of said legs being formed into a split hollow circular formation having its interior tapering away from said end and the next adjacent portion of said legs formed into a hollow triangle with the base of said triangle remote from said end and resting against the end wall of the hole, the rim of said circular formation contacting the major part of the circumference of the hole adjacent said one end of said body and means extending through said restricted aperture for securing said clips in said holes and making electrical connection to said clips.

2,598,825
X-RAY TESTING APPARATUS
Ildefonso G. Orellana, Mayfield Heights, Ohio, assignor to The Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application September 26, 1949, Serial No. 117,899
5 Claims. (Cl. 250—83.3)

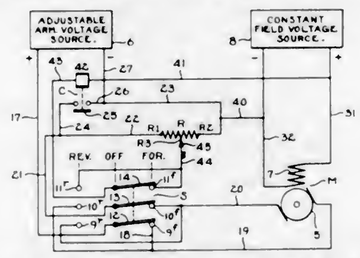
1. A thickness measuring apparatus for a moving web comprising, in combination, a device for

determining the thickness of the web by measuring the transmission characteristics of the web comprising a single X-radiation generator and a radiation detector disposed on opposite sides of the web, movable between a first position in register with the web and a second position out of register therewith, and a test piece selector for moving any one of a set of test pieces of various known thicknesses into register with



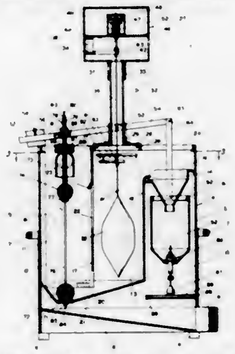
the device in its second position, the test piece selector comprising a conveyor, a plurality of test pieces mounted thereon, and means for operating the conveyor to align any of the test pieces with the device, the test pieces normally intercepting the radiation when the device is in the second position, and whereby the selector may be utilized for checking the measuring device over a wide range of thickness variations.

2,598,826
ELECTRIC MOTOR CONTROL
Robert O. Perrine, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 23, 1950, Serial No. 140,001
3 Claims. (Cl. 318—421)



1. In a control system for a direct current motor of the class wherein the motor field is supplied by a constant voltage source, the motor armature is supplied by another voltage source, and the armature circuit contains an accelerating resistance, a normally open electroresponsive accelerating switch arranged to shunt out said resistance and an operating coil for said switch, the combination in series with said coil of an electrical control circuit which leads from one side of the field source to that side of the armature circuit containing said resistance, thence through a preselected portion of said resistance to the other side of said field source, the arrangement being such that when the current in the armature circuit decreases to a certain predetermined value the current in the coil increases to a value sufficient to close said accelerating switch.

2,598,827
MUD DENSITY MEASURING DEVICE
John R. Pettigrove, Beaumont, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 3, 1946, Serial No. 694,563
8 Claims. (Cl. 73—33)

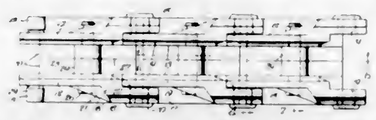


1. In a device for recording the density of drilling mud having a first tank wherein a sample of said mud is accumulated, displacement means within said first tank for measuring the density of the sample, said displacement means having generally conically-shaped ends and being vertically disposed in said first tank in such a manner that one of said conically-shaped ends is disposed above the other, recording means responsive to the displacement of said displacement member, a beam pivotally mounted above said first tank, a second tank suspended from said beam and positioned to catch an overflow of said mud from said first tank, and valve means operatively connected to said beam to control the filling of said first tank, the improvement comprising an imperforate partition in said first tank between said displacement means and said valve means, said partition extending down below the major portion of said displacement means a sufficient distance to insure said displacement member remaining away from the wall of said first tank as mud from said valve means sweeps under said partition, and said partition extending up above the major portion but below the upper conically-shaped end of said displacement means to insure said displacement member remaining away from the wall of said first tank while mud from said valve means sweeps across the top of said partition and said displacement member takes its proper vertical position, and a second partition in said first tank between said displacement means and said valve means extending down to a point below the level of overflow but above said displacement member to insure the stilling of the surface of said mud around said displacement member while the degree of submergence of said displacement means insures its proper vertical position, there being sufficient space between the top of said first partition and the bottom of said second partition to allow for the entire flow of mud from said valve means.

2,598,828
TRACK LINK
Alva W. Phelps, Kenilworth, Ill., assignor to The Oliver Corporation, a corporation of Delaware
Application November 9, 1949, Serial No. 126,415
1 Claim. (Cl. 305—10)

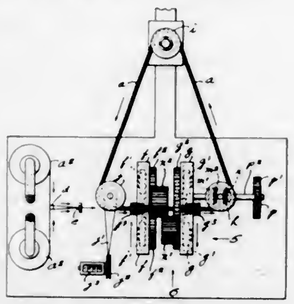
An endless belt track link comprising two longi-

tudinally extending right and left hand sections having contiguous inner finish surfaces contacting one another, said sections including horizontal flat plates and longitudinally extending perpendicular ribs spaced outwardly from the finished surfaces thereof, aligned and outwardly projecting studs formed on one end of said ribs, aligned bearing portions formed on the other ends



of said ribs, there being aligned sockets in said bearing portions, walls formed integrally with said ribs and encasing the outer portions of said sockets, aligned drive wheel engaging lugs formed on said sections in the approximate center of said sections, there being aligned apertures in said lugs, and a bolt extending through said apertures for securing said sections together.

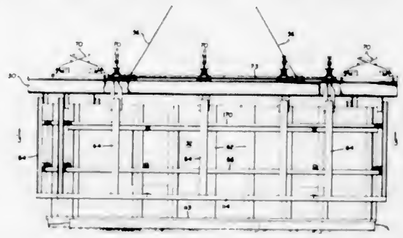
2,598,829
ENDLESS DRIVING BELT
Ernest Pollard, Bradford, England
Application August 21, 1946, Serial No. 692,015
In Great Britain September 1, 1945
1 Claim. (Cl. 57—141)



An endless driving belt, comprising in combination, a core composed of substantially parallel threads; and two sets of wrapping threads wound spirally about said core in opposite directions, and at the same pitch, each set of wrapping threads composed of two parallel threads spaced from each other for half said pitch of said spirally wound sets of wrapping threads whereby in each full turn of said sets of wrapping threads two pairs of diametrically located crossing points are created, which crossing points are located in the finished driving belt along four equally spaced lines on the surface of said core extending substantially parallel to the threads forming said core and providing a symmetrical contour for the finished driving belt.

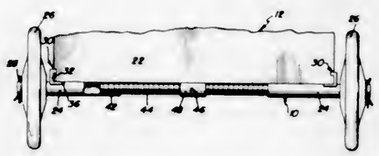
2,598,830
APPARATUS FOR MOLDING CONCRETE WALLS
Emil H. Praeger, Brooklyn, N. Y., assignor to Ibec Housing Corporation, New York, N. Y., a corporation of New York
Application December 29, 1949, Serial No. 135,566
10 Claims. (Cl. 25—131)

1. A self-supporting machine for casting directly on a series of sites complete sets of at least external walls for buildings, comprising a generally horizontal frame at an elevation above the top of the desired walls, vertical supports permanently affixed to said frame and extending downwardly therefrom for supporting same on a site, a complete set of generally vertical panels for simultaneously casting complete sets of at least external walls for one of said buildings in situ, said panels comprising a plurality of inner and a plurality of outer panels, there being at least one panel for each interior and each exterior face of said complete set of walls, guilding means including cam tracks and followers suspending each of said panels from said frame and limiting the motion of the upper edges of said panels, said



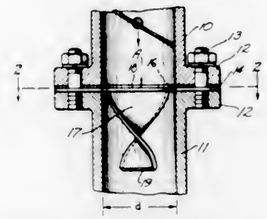
guiding means being adapted to allow the upper edges of said panels to be moved toward one another to a casting position and apart to an open position but to maintain each said upper edge always parallel to the face of the corresponding proposed wall opposed to said edge, actuating means interconnecting said panels with said frame and serving to move said panels to said casting and open positions, and means on said frame for connecting a lifting device to said frame, whereby said frame, said panels connected thereto and said vertical supports may be lifted as a single, integral assembly, and may be set onto successive sites for buildings, for casting complete sets of walls directly thereon.

2,598,831
MEANS FOR PROVIDING AN OBJECT WITH WHEELS AND AXLES
John C. Ramey, Waynesburg, Ky.
Application July 14, 1950, Serial No. 173,880
4 Claims. (Cl. 280—35)



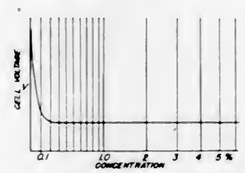
3. A wheeled vehicle comprising a body having side walls and a bottom wall, a pair of shafts, means longitudinally adjustably securing said shafts to each other, a ground engaging member rotatably journaled on each of said shafts, a pair of U-shaped clamps having upper and lower legs and a connecting web portion, said upper leg being embedded in said body and locked in said embedded position by said shaft adjusting means, said lower leg underlying said body to prevent relative movement of the axle and the body, said web portion limiting inward axial movement of said ground engaging member.

2,598,832
FUEL MIXER FOR INTERNAL-COMBUSTION ENGINES
Joseph Reindl, Topanga, Calif.
Application June 27, 1949, Serial No. 101,636
2 Claims. (Cl. 48—180)



1. A fuel mixing device for internal combustion engines adapted to be mounted in the fuel intake passage of the engine, comprising: a spirally formed blade having an end-to-end length substantially equal to 1.1 times the blade diameter, said blade being spirally formed and having substantially a 90° twist; and means for securing said blade within said intake passage so that said blade extends longitudinally thereof.

2,598,833
PROCESS FOR ELECTROLYTIC DEPOSITION OF IRON IN THE FORM OF POWDER
Göte Renman, Huskvarna, Sweden, assignor to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden, a corporation of Sweden
Application July 5, 1947, Serial No. 759,058
In Sweden March 19, 1946
3 Claims. (Cl. 204—10)

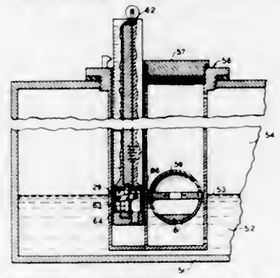


1. In an electrolytic process for producing powdered iron in an electrolytic cell having an anode composed of iron and a cathode, the process comprising passing an electric current through an electrolyte between said anode and cathode, said electrolyte consisting essentially of alkali metal halide and ferrous chloride in the molten state, said current being of a density suitable for depositing iron on the cathode in the powdered form, maintaining the electrolyte at a temperature below the melting point of said iron to be deposited, introducing halogen into the electrolyte in gaseous form, and regulating the flow of halogen gas into said electrolyte at a level which maintains the concentration of said iron in the electrolyte so that the potential between the anode and cathode is below that at which metals which require a higher discharge voltage than iron are deposited, and limits the concentration of said iron in said electrolyte below that at which thermal decomposition of halides of iron takes place whereby metal of the desired grain size is produced.

2,598,834
SPINNING YOUNG VISCOSE
George A. Richter, Jr., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 28, 1951, Serial No. 223,661
10 Claims. (Cl. 18—54)

1. A method of making from viscose regenerated cellulose fibers capable of accepting a stretch of from 75 to 110% which consists of the steps of extruding viscose containing cellulose xanthate as its sole xanthate component, of normal viscosity and normal cellulose content, and having a sodium hydroxide content of from 4 to 13% and a sodium chloride salt-test value which is between 1.19 and 2 times the weight percentage of sodium hydroxide in the viscose and not less than 8 nor greater than 18, into a coagulating and regenerating bath maintained at a temperature of 45 to 50° C. and comprising essentially an aqueous solution of sulfuric acid and soluble metallic sulfate, the sulfuric acid being present in a concentration of from 0.5 to 0.7 times the sum of the weight percentage of sodium hydroxide in the viscose and the sodium chloride salt-test value of the viscose, and the soluble metallic sulfate being present in a total concentration of at least 21% plus 0.66 times the weight percentage of sodium hydroxide in the viscose, the metallic sulfate consisting of at least 18% sodium sulfate and at least 1% of a polyvalent metal sulfate, to form fibers, withdrawing the fibers from the bath, and stretching the fibers.

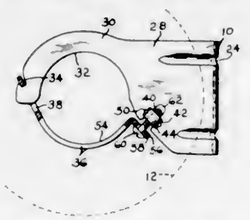
2,598,835
SLIP ROD GAUGE
Martin A. Ryan, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 28, 1948, Serial No. 67,683
8 Claims. (Cl. 73—314)



1. A safety liquid level gauge for use with a tank containing a liquid comprising in combination a tube adapted to be secured in sealed relation to said tank and having a sealed end extending into said tank, a stilling chamber mounted on said tube, a float disposed in said stilling chamber to float upon the surface of the liquid in said tank, a first magnet on said float having a first magnetic polarity around its circumference, a member slidable in said tube and extending outside said tank, a second magnet pivoted to said member and movable therewith longitudinally of said tube, said second magnet being disposed to present one pole of similar polarity to the circumferential polarity of said first magnet in passing the same within the range of magnetic interaction therewith, means biasing said second magnet to rotate around its pivot, stop means limiting said rotation of said second magnet, switch means actuated by the pivoting of said second magnet in

response to magnetic forces in the proximity of said first magnet, an impervious envelope enclosing said switch means, said envelope being filled with a non-volatile non-inflammable liquid, an electric signalling circuit including said switch means, a source of electric potential and an electric potential indicating means, and means indicating the position of said member relative to said tube whereby the position of said member when said indicating means is actuated is indicative of the level of the liquid in said tank.

2,598,836
MOTOR SUPPORT
Charles C. Scheele, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application January 19, 1948, Serial No. 3,115
9 Claims. (Cl. 248—26)



1. In a motor support bracket, a flat plate bracket arm, adapted to support a motor end with the motor shaft extending substantially perpendicular to the plane of said plate, said plate having a hook-like extension providing an open, substantially semi-circular saddle recess along the inside marginal edge of said hook-like extension, a notch in the outside marginal edge near the outboard end of said bracket arm, and a cruciform shaped open slot formed adjacent the inboard end of said recess, a threaded member secured in the transverse portion of said slot, a one-piece band member having a closed slot engaging said notch and a screw receiving aperture in alignment with the longitudinal portion of said open slot, said band being curved in its central portion to form a clamping member complemental to said saddle recess, and a screw in said aperture threaded in said threaded member, and extending longitudinally of said open slot, for drawing said band member about a substantially cylindrical motor end member.

2,598,837
HAIR CURLER
Nunziato Schepis, Watertown, Mass.
Application February 9, 1951, Serial No. 210,117
1 Claim. (Cl. 132—36.2)

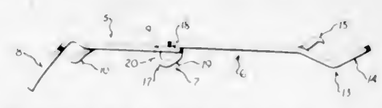


A hair curler of the kind described, comprising in wrapped association a pliable base member with insulating material covering the same, exothermic material enclosed in bendable foil clamped about said covered base member intermediate the ends thereof, and an exterior wrapper enveloping the foiled exothermic material, whereby the exothermic material is prevented from intermingling with the hair of the user subsequent to the heat-curling treatment.

2,598,838
POTATO PRODUCT
George R. Schermerhorn, Sr., and Henry C. Hinz, Jr., Rochester, N. Y., assignors to American Home Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application October 26, 1950, Serial No. 192,360
5 Claims. (Cl. 99—154)

1. The method of preparing a sweet potato food product comprising adding an amylolytic enzyme to the sweet potatoes, maintaining the potatoes and enzyme under hydrolytic conditions until the sugar content of the sweet potatoes is from 30–65% by weight of the whole, and then raising the temperature of the mixture to a point whereby the enzyme is inactivated.

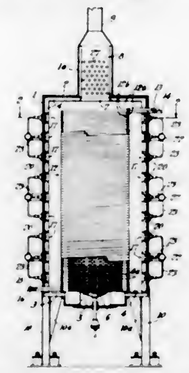
2,598,839
FOLDING TYPE CAN OPENER
William H. Schulz, St. Paul, Minn., and Lois E. Boehm, Milwaukee, Wis., assignors, by mesne assignments, to Western Newell Mfg. Co., Freeport, Ill., a corporation of Illinois
Application October 17, 1949, Serial No. 121,712
2 Claims. (Cl. 30—16)



1. A folding can opener for producing a pouring opening in an end wall of a can, comprising: a punch section and a handle section hingedly connected together; a piercing point at the outer end of the punch section; and a fulcrum on the punch section adjacent to the base of the piercing point and underlying the same to hook under the rim of a can bounding the end wall in which a pouring opening is to be produced, with the piercing point over said end wall, the hinge connection between the sections comprising a tongue extended from one of the sections through a slot in the other section, and curled around the land left between the slot and the extreme end of the section in which the slot is formed, said slot being wide enough to accommodate relative endwise shifting of the sections when said sections are in end-to-end relation, and the end of the loop overlying the body of the section from which the tongue extends and said end being spaced a distance from said body to form a recess adapted to receive said land on the end of the other section when it is desired to hold the sections in end-to-end relation for can piercing manipulation of the opener.

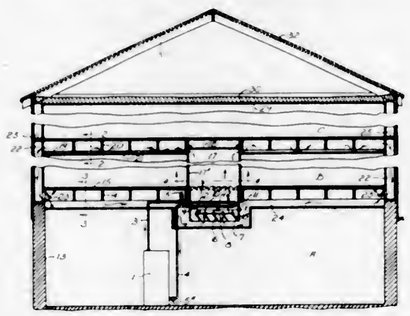
2,598,840
HEATER FOR HYDROCARBON FLUID
August Henry Schutte, Hastings on Hudson, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application April 9, 1951, Serial No. 219,910
5 Claims. (Cl. 196—110)

1. A heater for a hydrocarbon fluid comprising a chamber having an annular upright inner wall, an annular upright bank of multi-convolution helical tubing within said chamber and spaced inwardly from said wall, said tubing having inlet and outlet means disposed for passage of the fluid to be heated through the tubing, the successive convolutions bearing the weight of those above them, supporting means beneath the bank bearing the weight thereof, burner means disposed to conduct combustion within the space surrounded by the bank and effect heating of the inner side of the bank by radiant heat, flameless burners distributed over said wall, along and around the bank and directly opposed thereto to heat the bank by radiant heat, means for controlling operation of said flameless burners independently of said burner means for heating the



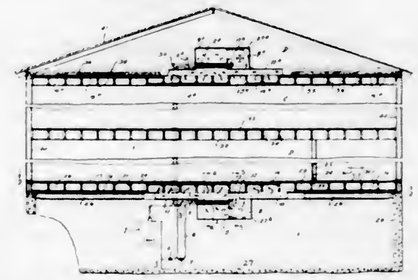
inner side of the bank, and outlet means for combustion gas at one end of the chamber and communicating at the adjacent end of the bank with the space surrounding the bank and the space surrounded by the bank, the convolutions of the tubing being arranged sufficiently closely to enable the bank to form a substantial screen to maintain substantial thermal independence between the space surrounding the bank and the space surrounded by the bank.

2,598,841
RADIANT HEATING SYSTEM
Lewis L. Scott, St. Louis, Mo.
Application April 7, 1949, Serial No. 85,949
3 Claims. (Cl. 237—69)



1. A closed system of the class described for heating buildings which includes an upper and a lower room level, a hollow floor-ceiling space between the upper and lower levels, hollow exterior walls and an enclosed space immediately below the floor of the lower level and extending transversely thereof, said system including a main air duct located inwardly and remote from said exterior walls extending from immediately below the floor of the lower level and terminating at the floor of the upper level, a heating element in the lower part of said main duct, passageways extending transversely in the upper level floor-ceiling space in communication with the upper end of said main duct, and passageways in the hollow exterior walls communicating with said last-named passageways at their upper ends and with the enclosed space below the lower level floor at their lower end, the enclosed space below the lower level floor being in communication with the lower end of the main air duct whereby a heated air stream is moved through said closed system and returned for reheating by gravity flow induced by the temperature gradient of the stream.

2,598,842
RADIANT HEATING SYSTEM
Lewis L. Scott, St. Louis, Mo.
Application April 13, 1949, Serial No. 87,240
2 Claims. (Cl. 237—69)

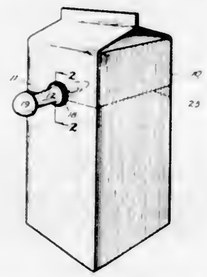


2. A system of the class described for heating a building having a horizontal portion which includes, in combination, first and second walls horizontally disposed in parallel spaced relationship, vertical joists arranged in spaced relationship between said walls and forming therewith a plurality of closed air passages extending to opposite exterior walls of the building, a plurality of air inlet ducts extending in different directions in transverse communication with said air passages and opening into a housing which is centrally located relative to and in open communication with one of said walls, a heat exchanger in said housing in closed communication with said ducts, a blower in said housing for forcing a heated air stream through said ducts and in different directions along said air passages to opposite vertical walls of the building, a first return duct at the opposite end of said joists from said inlet ducts and in proximity to said vertical walls and extending transversely of said joists and in communication with the discharge end of the air passages therebetween and a second return duct in communication with said first duct for returning the air stream to the suction side of said blower.

2,598,843
POURING DEVICE
Frank D. Sherwood, Fresno, Calif.
Application September 27, 1947, Serial No. 776,490
2 Claims. (Cl. 222—83)

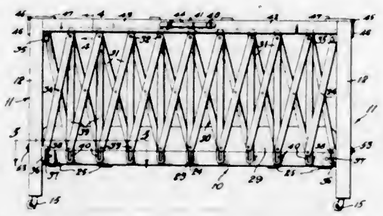
1. A combined pouring spout and stopper for fluid containers having perforable walls comprising a tube of substantially uniform inside diameter and outside diameter throughout its length and having open opposite end portions, a stopper slidably fitted to the tube and extended from an end thereof, the extended end of the stopper and the adjacent end of the tube being sharpened to form a tapered point, a handle

mounted on the end of the stopper opposite its point and seated on the adjacent end of the tube, a flange extended radially from the tube member at a position spaced from the sharpened end thereof, the tube having opposite intake



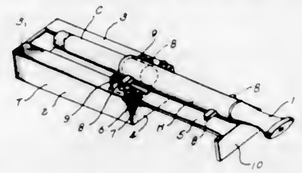
openings intermediate the flange and the sharpened end of the tube, and an annular gasket positioned about the tube and on the face of the flange disposed toward the sharpened end of the tube.

2,598,844
COLLAPSIBLE BABY BED
Bert R. Simons, Bartow, Fla., assignor of one-half to J. P. Robinson, Mobile, Ala.
Application December 23, 1949, Serial No. 134,770
4 Claims. (Cl. 5—99)



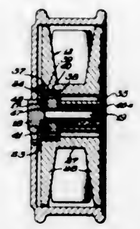
3. A collapsible baby bed comprising a bedstead formed of complementary upright end members each including a pair of corner posts, a pair of corresponding latticework sides each comprising a plurality of slats pivotally connected and forming a lazy tong construction, each end of each latticework side being pivotally connected adjacent its upper edge to one of said corner posts and being pivotally and slidably connected at its lower edge to the same corner post, said bed being provided with top guard rails extending longitudinally thereof and disposed above said latticework sides, each of said guard rails comprising end sections having remote ends and abutting adjacent ends, said remote ends normally abutting corner posts of the two end members disposed adjacent the same side of the bed and being hingedly connected thereto for swinging movement to hanging positions against said corner posts and on the sides thereof opposite the sides to which the latticework sides of the bed are connected, said latticework sides including vertically disposed bars having upper ends pivotally connected to upper ends of the slats forming the lazy tong construction, said vertically disposed bars having longitudinally elongated slots adjacent their lower ends, and pivot pins pivotally connecting the lower ends of the slats of the lazy tong construction and slidably engaging the slots of said bars, said top guard rails having downwardly opening grooves for receiving the upper ends of said slats and for covering the upper ends of the bars of the lazy tong.

2,598,845
COMBINATION CIGARETTE HOLDER AND ASH TRAY
Birt Z. Smith, Klamath Falls, Oreg.
Application August 2, 1946, Serial No. 687,934
1 Claim. (Cl. 131—175)



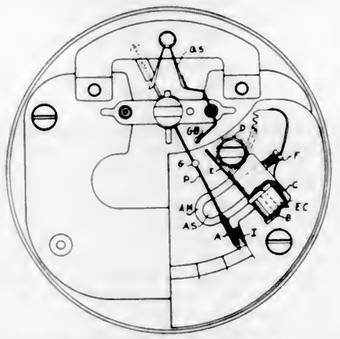
A smoking device of the character described, comprising an elongate shallow tray having an open top defined by spaced longitudinal guide flanges, an elongate slide plate adapted to be positioned in covering relation with the opening and in slidable contact with said flanges, a cigarette tube secured upon the top of and extending longitudinally of the slide plate, the cigarette tube including a bit at one end extending beyond an end of the slide plate, the said end of the slide plate having a right angularly extending flange, lug members adjacent to the two ends of the cigarette tube and extending laterally therefrom, and a spring element mounted upon one of said guide flanges and adapted to be releasably engaged by the lugs to secure the slide plate in a selected one of two positions with respect to the open top of the tray.

2,598,846
FLY ROD REEL
Philip A. Smith, Pelham Manor, N. Y., and Lewis Hopps, Darien, Conn., assignors to The Indiana Steel Products Company, Chicago, Ill., a corporation of Illinois
Application August 14, 1948, Serial No. 44,295
7 Claims. (Cl. 242—84.5)



1. A fly casting reel comprising a stationary frame member, a spool rotatably disposed within said frame, and magnetic means including a magnet and ferro-magnetic material concentric with said spool and disposed within said reel for relative rotation upon movement of said spool for establishing a magnetic couple between said frame member and spool for maintaining the spool in position within the frame, one of said magnetic means being fixed relative to said frame member and the other of said magnetic means being fixed to said spool for resisting rotation of the spool within the frame.

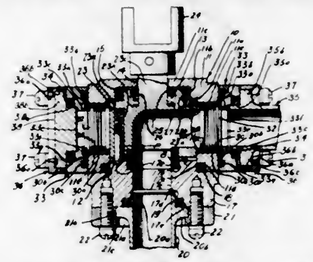
2,598,847
INSTRUMENT TYPE SWITCH
Maurice Saxon Snell, Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application March 24, 1945, Serial No. 584,533
In Great Britain April 21, 1944
6 Claims. (Cl. 200—56)



3. An instrument type electrical relay comprising a pivotal pointer, a long and narrow permanent magnet magnetized along its length secured to and forming a lengthwise extension of said pointer so that the opposite pole extremities of said permanent magnet lie at different radial distances along the length of said pointer, an electrical contact mounted on said pointer intermediate said permanent magnet and its pivotal axis, an arcuate slotted member mounted upon the stationary structure of the relay, a carrier element of insulating material secured to said arcuate slotted member and arranged for movement along a circular arc coaxial with the pivotal axis of said pointer, a contact blade spring secured at one end to said carrier element and having a contact thereon at its other end positioned to cooperate with said contact on said pointer, an adjusting screw carried in said carrier element and arranged for engagement with said blade spring intermediate its ends for the purpose of adjusting the position of said contact on said blade spring relative to said carrier element, a U-shaped soft-iron member mounted on said carrier element and positioned so that its two free ends align with the opposite pole extremities of said permanent magnet when the pointer moves into the vicinity thereof so that said permanent magnet is in magnetic bridging relation across the free ends of said soft iron member and a coil winding around an intermediate limb of said U-shaped member for the purpose of polarizing the two free ends of said U-shaped member in similar magnetic sense to that of the cooperating poles of the permanent magnet to cause repulsion of the latter therefrom.

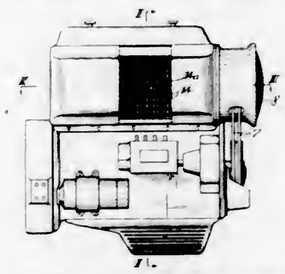
2,598,848
VALVE STRUCTURE
Jacob Rush Snyder, Cleveland, and James Frederick Norton, Cleveland Heights, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 23, 1946, Serial No. 649,544
1 Claim. (Cl. 251—113)

In a fluid flow control device of the type having a housing defining an operating chamber open at one end with a valve plug insertable in said chamber, the improvement of a first ring bearing in said chamber spaced from said open end for supporting said valve plug for rotation within said chamber, said valve plug having a fluid passage therethrough opening adjacent said open end of said chamber, a cylindrical bearing surface formed in the open end of said fluid passage in said valve plug, a hollow cover defining a counterbored fluid passage and secured to said housing across said open end of said chamber, a second ring bearing mounted in the counterbore of said cover in concentric relation to the bore thereof, said second ring bearing projecting upwardly from the cover and having a portion of its external surface engageable with said cylindrical bearing surface of the valve plug, said second



ring bearing and said first ring bearing being axially spaced apart for supporting said valve plug for rotation within said chamber, said valve plug being axially movable within said chamber between said first and said second ring bearing, the internal surface of said second ring bearing completing the fluid passage between said bore of said cover and said fluid passage of said valve plug, spring pressed detent means in said valve plug and engaging said cover to urge said valve plug axially toward said first ring bearing, and angularly spaced recesses in said cover engageable with said detent means to resiliently position said valve body in any selected one of a plurality of rotative positions relative to said housing.

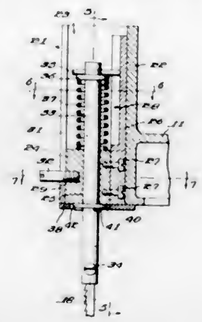
2,598,849
OIL-COOLER ARRANGEMENT IN AIR-COOLED INTERNAL-COMBUSTION ENGINE
Konrad Sonderegger, Winterthur, Switzerland, assignor to Schweizerische Lokomotiv- und Maschinenfabrik, Winterthur, Switzerland
Application April 27, 1950, Serial No. 158,532
In Switzerland May 11, 1949
2 Claims. (Cl. 123—41.33)



1. In an air-cooled internal combustion engine of which the cylinders are in line, comprising a ducted fan for supplying the cooling air to the cylinders, a finned oil-cooler, and duct means for transversely deflecting the air supplied by said

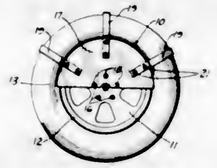
fan before its passage between the cylinders, the improvement defined by arranging the oil-cooler in the cooling-air duct in such position that the oil-cooler fins are inclined to the direction of flow of the cooling air stream, whereby the oil-cooler fins act as deflector vanes for the flow of cooling air.

2,598,850
JIG SAW
Arthur R. Spelbring, Rochester, Mich.
Application December 22, 1949, Serial No. 134,368
1 Claim. (Cl. 143—73)



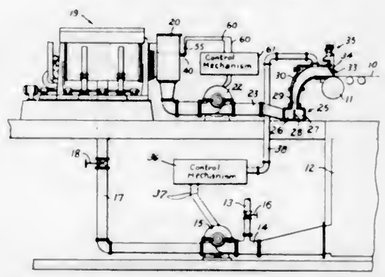
In a jig saw, the combination with a frame including a lower horizontally disposed arm and an upper horizontally disposed arm, a table secured to said lower arm for supporting thereon a work piece, a bushing slidable in said lower arm, and a reciprocatory saw blade having its lower end detachably connected to said bushing, of a retaining mechanism operatively connected to the upper end of said blade, said retaining mechanism comprising a body member mounted on the outer end of said upper arm, there being a vertically disposed channel arranged in said body member so that said channel opens through the lower end of the said body member, a plate secured to the front of said body member in overlying relationship to said vertically disposed channel and provided with a longitudinally extending slot that is aligned with and communicates with the said vertically disposed channel, a carrier head slidably arranged in said channel and provided with a longitudinally extending bore, a manually-engageable stub shaft connected to said head and projecting through said slot for raising said head, a horizontally disposed stop strip secured to the bottom of said body member in overlying relationship to the open end of said channel for limiting downward movement of said carrier head, a cylindrical quill slidably arranged in said bore and having its lower end detachably connected to the upper end of said saw blade, a bracket secured to the head and slidably arranged in said channel and provided with an elongated groove, and said head and said bracket are non-rotatable in the body member whereby rotation of the quill is prevented, a pin carried by said quill and projecting into said groove for preventing rotation of said quill, a thumb screw carried by said body member and mounted for movement into and out of engagement with said carrier head for selectively maintaining said carrier head immobile in said channel, a coil spring circumposed on said quill and interposed between said pin and carrier head for normally urging said quill upwardly in said bore.

2,598,851
TRACTION DEVICE
Otto F. Spevak, Berwyn, Ill.
Application July 30, 1947, Serial No. 764,732
2 Claims. (Cl. 301—43)



1. A traction unit manipulable as such into and out of cooperating relationship with a vehicle wheel of the bolted on type when the bolts whereby the wheel is secured to its associated axle are exposed and a pneumatic tire having a tread surface on its outer periphery mounted on said wheel and remaining normally inflated, said traction unit comprising a rigid hook carrier element, a hook element having a rigid shank portion rigidly secured to said carrier element and normally immovable relative thereto, said hook element also having a hook portion at the outer end of the shank portion and shaped to embrace the tire tread with an end projecting inwardly of the side of the tire on the side thereof opposite the shank portion, said traction unit being bodily movable as a rigid integer to cause the hook element to embrace the tire and extend across its tread portion alongside its two side walls while said carrier element is being brought into contiguity with the wheel and within the tire carrying portion thereof, said carrier element being engageable with the wheel at a plurality of spaced-apart points and provided at at least one of said points of engagement with an aperture for cooperation with one of the bolts whereby the wheel is secured in appropriate relationship to its associated axle.

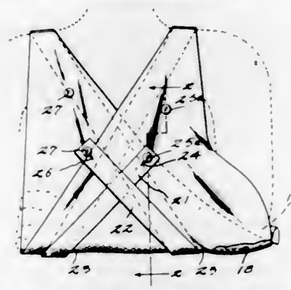
2,598,852
FEED REGULATOR FOR PAPER MACHINERY
Stephen A. Staege, Hamilton, Ohio, assignor to The Black-Clawson Company, Hamilton, Ohio, a corporation of Ohio
Application July 24, 1946, Serial No. 685,796
3 Claims. (Cl. 92—46)



1. A stock supply system for a paper machine having a forming member and a slice adjacent the forming member, said system comprising a screen, a header connected to receive stock from said screen, a first pump connected to supply stock to said screen, a second pump connected to deliver stock from said header to said slice and said forming member, a control including a pipe for sensing the pressure of said stock at said slice,

an electrical connection between said pressure responsive control and said first pump for regulating the output of said first pump in accordance with the pressure at said slice, a liquid level control including electrical contacts for sensing changes in the level of said stock in said header, and an electrical connection from said liquid level control to said second pump for regulating the output of said second pump to maintain a substantially constant pressure on said stock as delivered to said forming member.

2,598,853
ARM SLING
Harriet E. Stanton, Hampton, Va.
Application October 5, 1950, Serial No. 188,597
2 Claims. (Cl. 128—94)

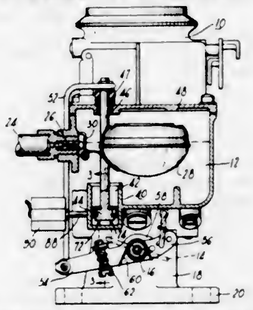


1. An arm sling comprising a flexible member of substantially triangular configuration, the side edges of said member being folded to provide a pocket at the apex of said member within which the elbow is adapted to engage, a pair of straps extending from the opposite corners of the base of said member, and correlated fastening means embodying buttons carried by said member adjacent but spaced from the opposite ends of the base of said member on both sides thereof and buttonholes in the ends of said straps for securing said straps to said member, said straps being disposed in crossed relation at the back and front of the wearer.

2,598,854
ASBESTOS-ALUMINUM POWDER PAINT
Frederick A. Stolz, San Francisco, and Edley J. Vaught, Jr., Oakland, Calif., assignors to Pabco Products Inc., a corporation of Delaware
No Drawing. Application July 22, 1950, Serial No. 175,468
6 Claims. (Cl. 260—28.5)

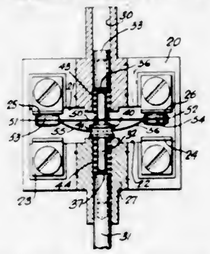
6. A solvent thinned metallic ornamental paint consisting essentially of a binder of bituminous material selected from the group consisting of asphalt, coal tar pitches and stearine pitches, and coumarone-indene resin, in proportions of about 25% to 75% by weight of the bituminous material to about 75% to about 25% by weight of the resin; volatile solvent for the binder; aluminum powder; and a filler, the major proportion of which is asbestos fiber; the total quantity of binder and the solvent constituting about 67% to about 82% of the total weight of the paint; the total quantity of the filler and the aluminum powder constituting about 18% to about 33% the total weight of the paint; the solvent to binder ratio being about 3 to 6 parts by weight of the solvent to about 1 part by weight of the binder; the filler to aluminum powder ratio being about 0.8 to 2.5 parts by weight of the filler to about 1 part by weight of the powder; the binder to aluminum powder ratio being about 1 to 2 parts by weight of the binder to about 1 part by weight of the aluminum powder; and the binder to the filler ratio being about 0.55 to 1.7 parts by weight of the binder to about 1 part by weight of the filler.

2,598,855
ELECTRICALLY CONTROLLED DASHPOT FOR CARBURETOR THROTTLES
Richard R. Strebinger, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 28, 1948, Serial No. 41,115
5 Claims. (Cl. 180—77)



1. In a carburetor for an internal combustion engine, an induction passage with a throttle valve therein, a fuel bowl, a chamber, a movable wall for said chamber, a linkage connecting said movable wall with the throttle valve actuating means for moving said wall in the direction to draw fuel into said chamber as the throttle valve is opened, and for moving said wall in the direction to discharge fuel from said chamber as the throttle valve is closed, a passageway connecting said chamber with the fuel bowl, a restriction in said passageway, a second passageway connecting said chamber with the fuel bowl, a valve for controlling said second passageway, an electrical coil controlled in response to a predetermined vehicle speed and having a stationary magnetizable core extending into said last mentioned passageway for closing said valve, and a means around said core for positively sealing said coil from said last mentioned passageway.

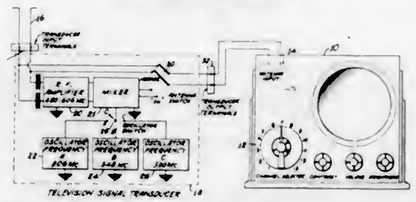
2,598,856
SNAP ACTION SWITCH
Harry C. Swan and Walter W. Riedel, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 24, 1951, Serial No. 212,596
7 Claims. (Cl. 200—76)



1. A snap action switch comprising in combination, a stationary support carrying two station-

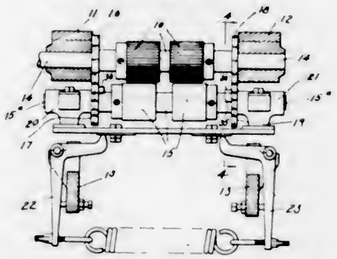
ary contacts insulated therefrom and providing an abutment opposed to and spaced from said contacts; a rod slidable in the support between the two contacts, said rod having a reduced diameter portion forming two spaced annular shoulders on the rod; a collar slidable on the rod portion between said shoulders, said collar having a peripheral groove; coil springs surrounding the rod and interposed between the collar and each shoulder respectively, said springs normally yieldably maintaining the collar substantially midway of said shoulders; and a movable contact carrying element centrally apertured to permit the collar to move therethrough, opposite ends carrying contacts movable to engage either the stationary contacts or the abutment on the support, said movable element having flexible fingers extending from the region of the respective contacts on said element toward the rod, each finger being biased by having its free end seated in the groove of the collar.

2,598,857
TELEVISION SIGNAL CONVERTER
George C. Szikiai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1949, Serial No. 73,634
1 Claim. (Cl. 250—20)



For operation with a television communication receiver system having input terminals and an antenna and having a tuner having discrete tuning positions wherein the assigned television channels may be divided into a medium frequency group and a high frequency group, and wherein the respective television intelligence in each channel occupies the lower portion of the channel while the associated sound intelligence occupies the upper portion of the respective channel, a high frequency channel television signal transducer for television receivers having manually controllable means for selectively receiving consecutive and adjacent medium frequency channels, said signal transducer comprising in combination: means for communicating high frequency channel signals, said communicating means having an input terminal and an output terminal, means connecting said communicating means between the television receiving antenna and the television receiver input terminals, a source of converting signal energy adapted to selectively develop a plurality of different but substantially fixed converting signals bearing a predetermined frequency relationship with one another, the converting signal frequencies all falling between the highest medium frequency channel and the lowest high frequency channel, output terminals for said converting signal source, frequency controlling means connected with said converting signal source for selectively determining the frequency of the converting signal made available at said converting signal source output terminals, a non-linear mixer arrangement having input and output circuits and adapted to heterodyne the high frequency channel signals appearing at the output of said high frequency channel signal communicating means with the converting signal appearing at the converting signal source output terminals to produce a series of difference intelligence signals in the mixer arrangement output circuit, means for selectively coupling the television receiver input terminals with said mixer arrangement output circuit, said converting signal energy source being so related to the received signal that the intelligence carried by the high frequency channels is made selectively available at medium frequencies for selective utilization by said television mixer manually controllable selective means at the same tuning positions for said medium frequency group of channels without interference from the medium frequency signals.

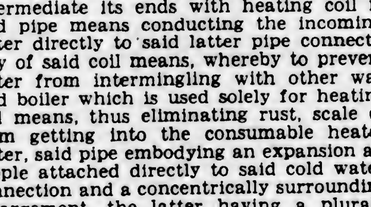
2,598,858
DRIVING MEANS FOR DETECTOR ROLLS IN GRADING MACHINES
Charles C. Thomas, Medford, Mass., assignor to Lacene Manufacturing Corporation, Lawrence, Mass., a corporation of New Hampshire
Application July 3, 1947, Serial No. 758,743
6 Claims. (Cl. 101—43)



6. In a machine for grading shoe sole blanks, a gauge roll driving shaft, a gauge roll fast on the driving shaft, a driving gear fixed to the driving shaft at one side of the gauge roll, a second shaft yieldably supported in spaced relation to the driving shaft, a detector roll, of smaller diameter than the gauge roll, fixed to the second shaft, a driven gear rotatably mounted on the second shaft in position to mesh with the driving gear, stop means for limiting rotation of the driven gear on the second shaft, the stop means including an abutment projecting radially outward from said second shaft, and a second abutment projecting axially outward from a side of the driven gear into the path of movement of the first abutment.

2,598,859
HOSPITAL BED
Floyd O. Thompson, Sedro-Woolley, Wash.
Application May 14, 1948, Serial No. 27,131
4 Claims. (Cl. 5—90)

1. A hospital bed comprising head and foot members, rails connecting said members together, a spring carried by said rails including a centrally disposed laterally movable spring section, a mattress on said spring, said mattress including a centrally disposed mattress section engaging said movable spring section and movable therewith, a toothed rack fixed to said spring section, a longitudinally disposed shaft beneath said spring section, a gear on one end of said shaft engaging said rack, a sprocket on the opposite end of said shaft, a counter shaft disposed above said first named shaft, means rotatably supporting said counter shaft on said head member, slidable means supporting said counter shaft supporting means for movement into and out of

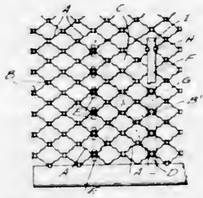


said head member, a sprocket carried by said counter shaft, and a chain connecting said sprockets together.

2,598,860
WATER-HEATING SYSTEM
Robert W. Tiley, Ashland, Pa.
Application September 2, 1949, Serial No. 113,699
2 Claims. (Cl. 257—229)

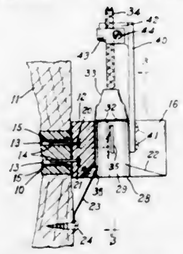
1. In a structure for handling, storing and heating tap water which is free from rust and sedimentation deposits and substantially as pure and uncolored as if delivered directly from a supply main comprising, in combination, a stand tank having a cold water supply pipe connection at its top, a hot tap water delivery pipe connection also at its top, and pipe means being confined in said boiler and communicatively connected at one end with said cold water pipe connection and connected at its opposite end with said hot water pipe connection and provided intermediate its ends with heating coil means, said pipe means conducting the incoming cold water directly to said latter pipe connection by way of said coil means, whereby to prevent said water from intermingling with other water in said boiler which is used solely for heating said coil means, thus eliminating rust, scale or dirt from getting into the consumable heated tap water, said pipe embodying an expansion adapter nipple attached directly to said cold water pipe connection and a concentrically surrounding pipe enlargement, the latter having a plurality of ports, whereby any small amount of water necessarily expelled from the boiler, by expansion from heat, will flow through such openings and pass through the coil and coil outlet along with the water from the main inlet to the consumption taps, and upon contraction of the boiler water the pressure of the water in the cold water main will cause fresh water to flow through said ports, automatically replenishing the boiler.

2,598,861
ROLLING CURTAIN
Elio Tomietto, Buenos Aires, Argentina
Application July 15, 1947, Serial No. 761,121
In Argentina July 19, 1946
7 Claims. (Cl. 160—180)



1. A double axis hinge arrangement for hingedly attaching to each other four portions of a flat partition having four corners meeting in a common pivoting point turnably selectively about a first and a second axis intersecting each other at a right angle at said common pivoting point, said double axis hinge arrangement including four hook-shaped members, each secured to a different one of said four portions of said flat partition so that the vertices of said hook-shaped members face each other and the free ends of said hook-shaped members form two pairs of parallel end portions extending parallel to said first axis; two first pivoting means, each turnably pivoting the end portions of a different one of said pairs of parallel end portions to each other turnably about said first axis; and two second pivoting means each turnably pivoting the vertices of a different hook-shaped member to the vertex of the corresponding hook-shaped member located on the other side of said second axis of turning.

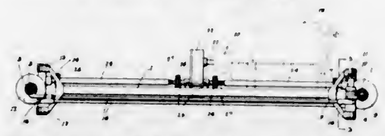
2,598,862
ELECTRIC CONNECTOR ADAPTER
Arthur W. Tonn, Massillon, Ohio
Application March 19, 1948, Serial No. 15,842
2 Claims. (Cl. 173—343)



1. An adaptor for making electrical connection between a conductor cord plug and power supply receptacle, including a female adaptor member having prongs for electrical connection with said receptacle and having a vertical channel, said member having open-ended vertical slots communicating with opposite sides of said channel, contacts in said slots electrically connected with said prongs, inwardly and upwardly inclined guiding surfaces on the underside of said member on opposite sides thereof leading to said slots, a male adaptor member having a body for slidably fitting in said female member channel, laterally opposite fins on said body adapted to be guided into the bottom ends of said slots by said guiding surfaces for upwardly releasably engaging the contacts

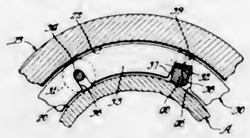
therein when said body is received in said channel, said body having sockets electrically connected to said fins and adapted for receiving and detachably electrically contacting the prongs of a connector cord plug, and a bracket on said body carrying clamping means for gripping the conductor cord of the connector plug, whereby an upward jerk on the conductor cord will release the fins from engagement with said contacts and said adaptor body from said channel.

2,598,863
DRIVE AXLE MOUNTED FOR SWINGING AND ROCKING MOTION
Emmitt M. Tucker, Medford, Oreg.
Application December 17, 1948, Serial No. 65,932
2 Claims. (Cl. 180—50)



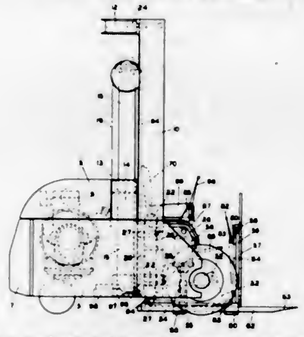
1. In a four-wheel drive vehicle chassis having longitudinal side frames and a front wheel axle housing spaced longitudinally beyond the forward end of said side frames and which includes axle shafts, a differential connecting said axle shafts and a central housing for said differential, a mount for connecting said axle housing to said side frames comprising vertically alined trunnions, means including a disc mounting the trunnions in connection with the differential housing at the top and bottom thereof, forwardly projecting fork members rigid with the frames at their corresponding end and including members converging laterally but diverging vertically from the side frames, and laterally split sleeves carried by the upper and lower ends of said fork members, said sleeves turnably embracing the trunnions; a drive shaft positioned intermediate said frame members, said drive shaft projecting rotatably through said disc from between the frames and into the differential housing and drivingly engaging said differential to thereby drive said axle shafts.

2,598,864
COMBINED OVERRUNNING CLUTCH AND BEARING
Harold H. Turner, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 11, 1946, Serial No. 715,451
6 Claims. (Cl. 192—45.1)



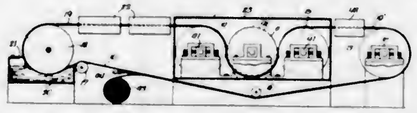
1. In a combined bearing and one-way engaging device for use with co-axial outer and inner members, a series of wedge members each having on one side an arcuate surface adapted to be forced into frictional engagement with one of said members and having on its opposite side a wedge surface engageable with the other of said members, a series of anti-friction elements alternately arranged between said wedge members, and an annular carrier member operatively disposed intermediate the ends of said wedge members and said anti-friction elements and having a first series of recesses each adaptable to receive an anti-friction element and having a second series of recesses each adaptable to receive a wedge member, thereby to maintain and hold said anti-friction elements and said wedge members in spaced relationship.

2,598,865
INDUSTRIAL TRUCK
George L. Turner, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application October 5, 1948, Serial No. 52,840
7 Claims. (Cl. 214—113)



1. In an industrial truck having a fixed vertical mast intermediate the ends thereof, a load supporting carriage mounted for vertical movement thereon, an operator's platform and projecting load engaging fork and rack assembly secured to and movable with said carriage, means for independently tilting said fork and rack assembly, parallel fork housings in said assembly, lift forks therein, and means for retracting said forks beneath said platform or extending them outwardly forwardly of said rack.

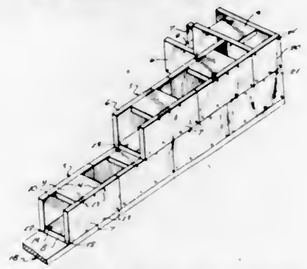
2,598,866
MEANS FOR CONTINUOUSLY FORMING THIN PLASTIC SHEETS
Harold Warp, Chicago, Ill., assignor to Flex-O-Glass, Inc., a corporation of Illinois
Application October 21, 1946, Serial No. 704,648
1 Claim. (Cl. 18—5)



An apparatus for continuously forming a thin, transparent, polished-surface sheet of plastic comprising, in combination, a first means providing a movable, endless surface, a second means providing a second movable, endless surface, said surfaces moving at the same linear rate in paths which over a significant portion thereof are closely adjacent and consistently uniformly spaced to form moving and cooperating dies for molding plastic received therebetween and for confining the plastic under pressure for a predetermined time in the shape into which it has been molded until set, means for applying a layer of plastic in a fluid state to one of said surfaces, a controlled atmosphere

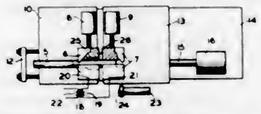
chamber through which said surface having the layer of plastic passes disposed between the point of application of a layer of plastic and the approach of said surfaces into close proximity to one another and acting on the layer of plastic to convert the layer to a moldable layer of plastic, and means for altering the temperature of the plastic while confined between said surfaces and between the time the plastic enters and leaves the space between said surfaces to cause a setting of said plastic.

2,598,867
BUILDING BLOCK
Lewis H. Weitz, Jr., Wampum, Pa.
Application February 10, 1950, Serial No. 143,417
2 Claims. (Cl. 20—4)



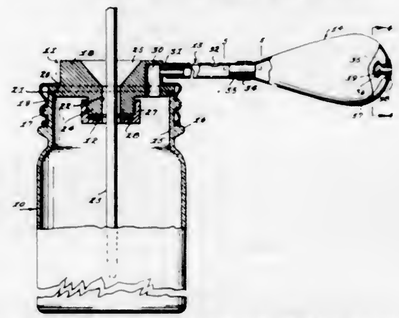
2. A wall composed of upper and lower superimposed horizontal courses, each course consisting of a plurality of blocks arranged in end to end relation with the blocks of the upper course overlapping the adjacent ends of the blocks of the lower course, each of said blocks comprising a pair of laterally spaced vertical longitudinal side plates, a bottom plate coextensive in length with the side plates and secured between the side plates at the lower edges thereof, and a top plate secured between the side plates at their upper edges, said top plate being substantially shorter than the bottom plate with the ends of the top plate longitudinally spaced from the ends of the bottom plate and exposing nailing areas at the opposite ends of said bottom plate, blocks of the upper course being laid upon and overlapping two adjacent blocks of the lower course with their bottom plates resting upon the top plates of the adjacent lower course blocks, and nails driven downwardly through the nailing areas of the bottom plates of the upper course blocks into the top plates of adjacent lower course blocks.

2,598,868
METHOD OF AND MEANS FOR UPSETTING SHAFTS AND THE LIKE
Alfred B. White, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application October 12, 1949, Serial No. 120,932
6 Claims. (Cl. 219—3)



1. The method of upsetting an end portion of a shaft which comprises initially passing an electric current through a portion of said shaft adjacent said end, then passing an electric current through said shaft end to heat both said portions, and axially compressing said heated portions to form an initial upset at said first heated portion and thereafter continuing said upset to the end of said shaft.

2,598,869
PRESSURE OPERATED PIPETTE FILLER
James Adelbert White, Seattle, Wash.
Application May 3, 1949, Serial No. 91,183
1 Claim. (Cl. 226—112)

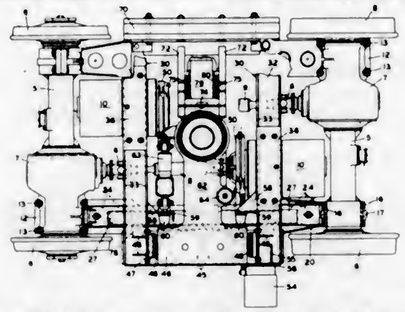


A pipette-receiving device comprising an open-ended container, a cover detachably secured to said container in covering relationship to the open end of the latter, a sealing gasket, means detachably securing said sealing gasket to said cover, and a tubular gas conduit connected to said cover, said cover comprising a substantially cylindrical center portion having a pipette-receiving bore countersunk at one end for guiding pipettes into said bore, and a gas channel therein, an internally-screw-threaded annular flange surrounding said center portion for attaching said cover to said container, an internally-screw-threaded boss surrounding said bore at the end of the latter opposite said countersunk end, and a tubular conduit fitting extending outwardly from said center portion and communicating with said gas channel, said sealing gasket comprising a thin disc of resilient material having therein a pipette-receiving opening registering with the bore in said cover, and said means detachably securing said sealing gasket to said cover comprising a flange nut threaded onto said cover boss and marginally engaging said sealing gasket to clamp said gasket against the outer end of said boss.

2,598,870
RAIL TRUCK
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application December 8, 1948, Serial No. 64,137
2 Claims. (Cl. 105—197)

1. In a rail truck, a pair of spaced axles, a main frame consisting of parallel side frame members formed of longitudinal channels extending under said axles and having a horizontal plate extending over the top thereof, said main frame having diagonally opposed corners rigidly connected to said axle housings and the opposite diagonal corners mounted for limited relative vertical rocking movement with respect to said axle housings, first coil springs on said plate adjacent to but between said axles, a secondary frame including side members disposed vertically above said main frame channel members formed of two longitu-

dinal channels arranged to form a box frame between said axles and supported on said first coil springs, channel-shaped cross members interconnecting said side members and extending therebeyond, depressed cradle means interconnecting



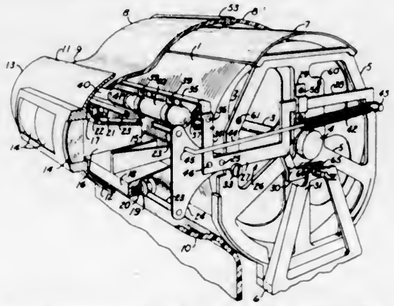
the adjacent extending ends of said cross members, second coil springs seated on said depressed cradle means, and a bolster intermediate said cross members and having its ends supported on said second coil springs.

2,598,871

MOUNTING FOR INDICIA VIEWING ASSEMBLIES

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application October 2, 1948, Serial No. 52,583
9 Claims. (Cl. 116—129)



1. In a structure of the class described, in combination, an indicia bearing member, a frame supporting said member, a housing covering said member, an indicia viewing assembly, and a second frame that supports the viewing assembly and that is movably mounted on the first frame, the movable mounting of the second frame permitting the viewing assembly to be moved from a viewing position at which the housing bars access to the interior of the viewing assembly to a non-viewing position at which the interior of the assembly is accessible.

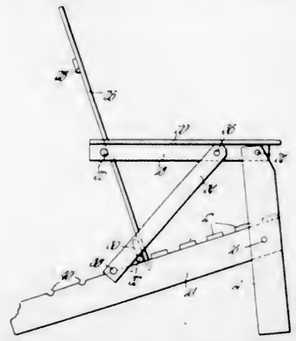
2,598,872

FOLDABLE CHAIR

Vincent K. Wiesztort, Florence, Mass., assignor of one-fourth to Edward F. Walker and one-fourth to Edward J. Aubrey, both of Florence, Mass., and one-fourth to John Mish, Jr., Hadley, Mass.

Application June 7, 1950, Serial No. 166,705
1 Claim. (Cl. 155—139)

A collapsible chair of the form having pivotally connected base, legs, arms and struts and a cooperating back separate therefrom, said base including a pair of longitudinal side rails held in transversely spaced relation by transverse members secured at opposite ends thereof and spaced longitudinally thereof forwardly from an intermediate portion to the forward ends thereof, upper edges of said rails provided with aligned notches in spaced relation rearwardly of said intermediate portion thereof, said legs including elongated members pivoted intermediate upper and lower ends thereof to forward end portions of said side rails for swinging between set-up vertical position wherein the rails are supported at forward ends thereby and in rearwardly declining relation and a knock-down relation disposed at the outer sides of the side rails, said arms including longitudinal members pivotally and swingably connected at forward ends to upper ends of said legs having a transverse back supporting member secured at its opposite ends



to rear ends thereof and being swingable between set-up horizontal relation and knock-down relation over said rails, said struts including elongated members having upper ends pivotally and swingably connected to intermediate portions of said arms having a transverse member secured at its opposite ends to lower ends thereof which is receivable in aligned notches of the side rails whereby the said arms are supported in set-up relation through said struts angularly relative to said side rails, said back including secured together longitudinal members and having a lower end portion receivable between the endmost rear transverse members of said base and having a transverse member adjacent said lower end for resting on one of said rear transverse members whereby said back is supported in upwardly extending set-up relation and held against rearward movement by the transverse member of said arms and is removable for knock-down relation of said chair.

2,598,873

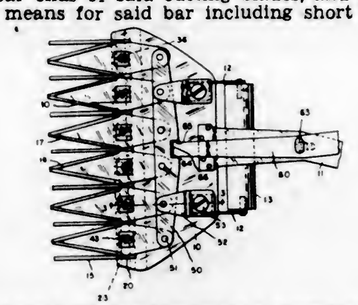
HAND-OPERATED OSCILLATING AND LATERALLY MOVING CUTTER

George J. Zwiesler, Davisburg, Mich.

Application February 24, 1947, Serial No. 730,460
18 Claims. (Cl. 56—242)

1. A device of the type described comprising a base, a plurality of fixed blades extending forwardly therefrom, cutting blades carried by said base and having lateral cutting edges movable against surfaces of said fixed blades, said cutting blades each having an elongated slot extending generally longitudinally thereof intermediate its ends, pivot pins carried by said base extending through said slots, a bar pivotally connected to

the rear ends of said cutting blades, and actuating means for said bar including short links



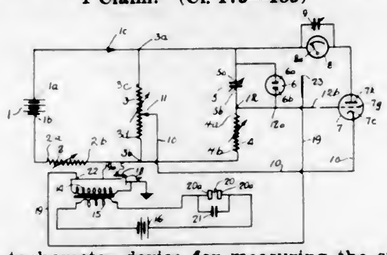
constraining said bar to move in a curved path of relatively short radius.

2,598,874

TACHOMETER DEVICE

Julius Agin, Bergenfield, N. J., assignor to Patterson O. Stewart, Bronxville, N. Y.

Application September 2, 1948, Serial No. 47,379
1 Claim. (Cl. 175—183)



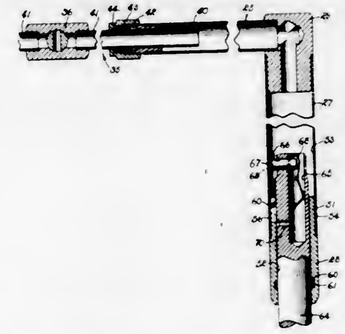
A tachometer device for measuring the speed of rotation of an internal combustion engine which has a spark-plug ignition system which includes an ignition coil which supplies the sparking voltage in sparking voltage pulses at successive intervals, said tachometer device comprising a source of unidirectional and constant power voltage which has a positive power terminal and a negative power terminal, a potentiometer connected across said terminals, a condenser connected across said terminals by direct wire connection in a charging circuit which excludes said potentiometer, a discharge tube which has an ionizable filling and a striking voltage and an extinction voltage, the ends of said condenser being connected to said discharge tube in a discharge circuit of said condenser, said power voltage being less than the ignition voltage of said discharge tube, a starting member located to temporarily ionize said filling when a starting current pulse is supplied to said starting member, said starting member being coupled to said ignition coil of said engine to receive a starting current pulse during each sparking voltage pulse, said starting current pulses being received at successive intervals, the resistance of said discharge circuit when said filling is ionized being sufficiently below the resistance of said charging circuit to lower the voltage of said condenser during each said discharge thereof to a lower voltage at which said discharge tube is extinguished, the periods between said successive intervals being sufficiently long to recharge said condenser from said lower voltage to said power voltage between successive discharges of said condenser, said condenser discharging unidirectionally through said discharge tube in a series of respective discharge pulses at said temporary ionizations of said filling and being recharged in a series of recharge pulses during the periods between said intervals, said discharge pulses and recharge pulses being equal to each other, an electronic amplifier tube which has an anode and a heated electron-emitting cathode and an input grid, a meter, said meter being connected between said positive terminal and said anode, said cathode being connected to a point of said potentiometer to maintain said cathode negative relative to said anode, said charging circuit having a resistor between said negative power terminal and the proximate end of said condenser, said grid being connected to said charging circuit between said proximate end and said resistor, said electronic tube passing a series of pulses of anode current during said recharging pulses, said meter indicating the average energy value of said anode current pulses.

2,598,875

HYDRAULIC ASSEMBLY FOR ADJUSTABLE LADDER LEG EXTENSION

Ralph J. Anderson, Tulare, Calif., assignor of one-half to Kenneth Billingsly, Tulare, Calif.

Application April 9, 1951, Serial No. 219,949
6 Claims. (Cl. 228—63)



6. In a hydraulic system, the combination of a tubular member having an open end; a sleeve having an inner and an outer surface mounted in the open end of the tubular member and having a slot longitudinally from the inner end thereof to a point in spaced relation to the open end of the sleeve, said sleeve also providing an inwardly disposed camway laterally extended from the slot having an end at the slot formed through the sleeve and an opposite end at the inner surface of the sleeve at a position circumferentially removed from the slot; an annnular seal mounted within the sleeve adjacent to the outer end thereof and in spaced relation to the outer end of the slot; a plunger slidably extended through the seal; and a spring-pressed detent laterally extended from the inner end of the plunger, said plunger having a bore formed longitudinally from the inner end thereof and ported to the side of the plunger at a position spaced from the detent a distance substantially equal to the spacing of the outer end of the slot from the annular seal.

2,598,876

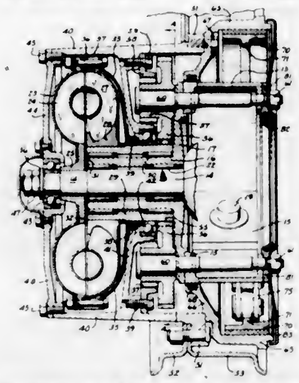
DRIVEN WHEEL ASSEMBLY, INCLUDING HYDRAULIC TRANSMISSION MEANS

Charles S. Ash, Milford, Mich.

Application July 1, 1947, Serial No. 758,347
12 Claims. (Cl. 180—43)

2. A wheel assembly for an automotive vehicle comprising, in combination, a rotatably mounted

wheel having a radially extending supporting element, a shaft driven from the vehicle power means, hydraulic power transmission means connected to said shaft positioned axially outwardly

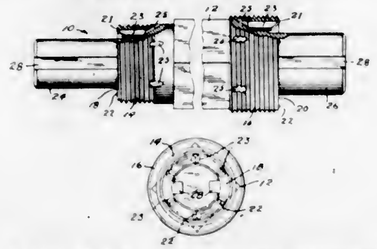


of said supporting element, and speed reduction gearing interconnecting said transmission means and wheel and positioned axially inwardly of said supporting element.

2,598,877

TOOL FOR APPLYING AND REMOVING NIPPLES FROM RADIATORS AND THE LIKE

Charles H. Baker, Paterson, N. J.
Application July 1, 1949, Serial No. 102,692
4 Claims. (Cl. 81—71)



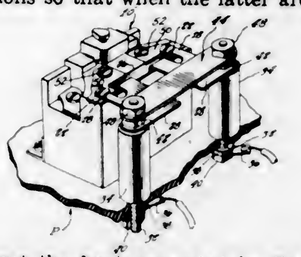
3. A tool of the class described comprising an exteriorly threaded portion having an annular face at one side thereof, a plurality of teeth on said face, a union-nipple engaging stem extending coaxially from said portion adjacent said face and having longitudinal channels on the outer surface for receiving lugs formed in the nipple, and a cross-sectionally polygonal wrench receiving portion at the other side of said threaded portion.

2,598,878

HEATER AND SHUNT MECHANISM FOR OVERLOAD RELAYS

Richard P. Ballou, Hartford, Conn., assignor to Federal Electric Products Company, Newark, N. J., a corporation
Application April 10, 1948, Serial No. 20,263
4 Claims. (Cl. 60—23)

1. An electric heater for a thermostatic control device of an automatic circuit breaker, comprising an electrically conductive heater member having a heater part adjacent one end thereof, laterally spaced terminal portions in electrically conductive relation to said heater part for connecting said member in an electric circuit, said laterally spaced terminal portions being spaced from said heater part whereby the latter may be mounted adjacent to said thermostatic control device and is thermally remote from said terminal portions so that when the latter are bridged

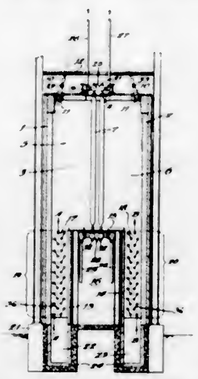


by a shunt the heat generated by the current traversing said shunt is substantially prevented from heating said heater part, and portions disposed adjacent said end of the heater member for mounting the latter on the circuit breaker.

2,598,879

HEATING APPARATUS

Marion W. Barnes, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 29, 1949, Serial No. 84,118
3 Claims. (Cl. 122—356)



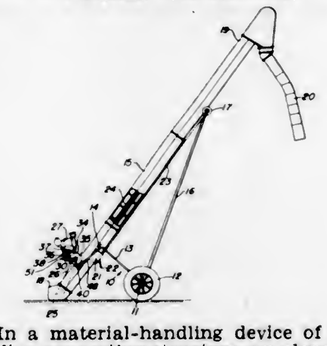
1. A heater for fluids comprising in combination, refractory side and end walls and a refractory roof defining a radiant heating section and convection heating sections, a pair of vertical partitioning walls extending upwardly from a foundation for said heater and spaced between the lower portions of said side walls and forming with the latter two separated convection heating sections, a horizontal partition extending between the upper extremities of said vertical partitioning walls forming a longitudinal header compartment and access passageway below the central portion of said radiant heating section and coextensive with said convection heating sections, a plurality of vertically disposed fluid conduits positioned in parallel rows and in a staggered arrangement between said end walls within the center portion of said radiant heating section, each of said plurality of vertically disposed conduits being supported from said roof and extending downwardly through said horizontal partition into the upper portion of said longitudinal header compartment, header means connecting with the upper ends of said vertical conduits above said roof and separate header means connecting with the lower ends

of said vertical conduits in said header compartment, separate rows of burners above said roof and adjacent each of said side walls, with adjustable supporting and positioning means at each of said burners for adjustably directing flames and hot combustion gases against each of said side walls of said heater within said radiant heating section and thereby controlling the temperature gradient for the entire height of each of said plurality of vertical fluid conduits, a bank of horizontally disposed fluid conduits in each of said convection heating sections, and gas passageways below each of said convection sections suitable for collecting and discharging flue gases from said heater.

2,598,880

SELF-LEVELING MOTOR CARRIER FOR GRAIN ELEVATORS

Royal L. Beldin, Davenport, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 22, 1948, Serial No. 61,385
4 Claims. (Cl. 198—203)



2. In a material-handling device of the type including supporting structure, an elongated elevator carried by the supporting structure for adjustment thereof with respect to the supporting structure to incline the elevator at various angles to the horizontal, drivable means included in the elevator, and a power source for driving said means, the improvement comprising: a carrier having means to support the power source; means for mounting the carrier on the elevator, including a pivot on an axis generally parallel to the axis about which the angle of the elevator is adjusted; means including an arcuate guide carried by the elevator and disposed generally as an arc formed about said carrier means pivot; a link connected at one end to the carrier and having its other end proximate to the arcuate guide means; a guide pin connected to said end of the link and received by the guide means; and a second link connected to the guide pin and connectible to the supporting structure for moving the first link in said guide means as the angle of the elevator is changed with respect to the supporting structure.

2,598,881

WHOLE FRESH EGG SEMEN DILUTER

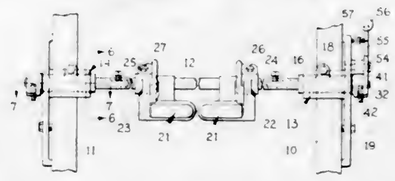
Victor R. Berliner, Somerville, N. J., assignor to Ortho Pharmaceutical Corporation, a corporation of New Jersey
No Drawing. Application May 12, 1951, Serial No. 226,111
4 Claims. (Cl. 167—53.2)

1. A semen diluter free from spermicidal and motility reducing substances comprising a filtered and sterilized uniform dispersion of whole fresh egg in an aqueous solution, buffered at a pH within the range of from 6.2 to 7.2.

2,598,882

TEMPLE MOUNTING MEANS FOR LOOMS

Edward J. Berry, Cranston, and George T. Allenson, Lincoln, R. I., assignors to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 19, 1950, Serial No. 191,039
16 Claims. (Cl. 139—298)

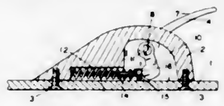


1. In a loom for weaving, a temple and a mounting therefor which comprises an arm to the free end of which the temple is attached, a bearing bracket fixed to said loom, a shaft extending between said bracket and the end of said arm opposite that to which the temple is attached, said shaft being fixed in one of the said members and resiliently retained for oscillation within the other, said resiliently retained end thereof being mounted in an elastic bushing restrained against relative rotation within the member and on the shaft and further being so angularly disposed as to bias the temple carrying arm in a direction contra to the motion of the fabric being woven.

2,598,883

PAPER CLAMP

Howard B. Boyer, Eugene, Oreg.
Application May 4, 1950, Serial No. 160,073
1 Claim. (Cl. 24—66)



A poster board comprising a base, brackets on opposite sides of the base, each bracket having a hollow portion with a communicating bore, a clamp located between the brackets, pintles extending from each end of the clamp, the pintles extending through openings formed in the brackets and into the hollow portions of said brackets, the inner end of a pintle having a flattened side, a lever mounted on the inner end of a pintle, the lever having an opening with a flat wall receiving the flattened side of a pintle, the lower end of a lever having a cam, an opening entering the hollow portion of a bracket in line with a lever end and a coiled spring in the opening, a pin within and extending from the spring coil and a head on the pin engaged by the spring end and engaging the cam, the clamp having a lower edge to engage the board in front of the pintles, with the upper end of said clamp extended rearwardly beyond the pintles, whereby when the upper end of the clamp is depressed the lower edge will be elevated and the cams will place the springs under tension to return the clamp to normal position when pressure is released on the upper end of said clamp.

2,598,884
PORTABLE EXHAUST GAS CONVEYER
Francis E. Brady, Jr., Muncie, Ind.
Application October 27, 1949, Serial No. 123,929
4 Claims. (Cl. 104—52)



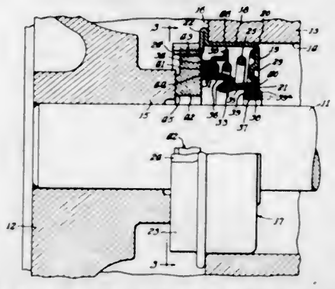
1. A portable automobile exhaust gas conveyor comprising a housing, a wheel supported carriage for said housing, a handle connected with said housing for permitting of its movement from one location to another, means mounted in said housing having a discharge nozzle through which cooling air is discharged, a Venturi chamber associated with said nozzle, a conduit connected with said chamber and extending through said housing for a removable connection with the exhaust pipe of an automobile to receive hot exhaust gases therefrom, a discharge conduit connected with the discharge end of said Venturi chamber and opening through said housing, and a flexible discharge hose adapted for removable connection between the exposed end of said conduit and a selected location for conveying therefrom a mixture of hot exhaust gases and cooling air at a substantially reduced temperature.

2,598,885
STOCK AND BARREL CONNECTION IN GUNS
René Bretton, Saint-Etienne, France, assignor to Etablissements Vermot-Gaud & Cie, Montlebon-Morteau, France, a French company
Application May 27, 1948, Serial No. 29,548
In France June 18, 1947
6 Claims. (Cl. 42—75)



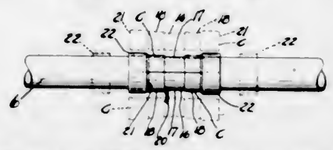
1. A sporting or the like gun comprising a barrel block including the block proper and two barrels rigid therewith, a striker mechanism, a butt block carrying said mechanism and adapted to come into contact with the entire rear surface of the barrel block, a butt rigid with the butt block, one of the blocks being provided with at least two longitudinal bores opening into the surface of said block adapted to engage the other block, two metal rods rigidly secured to said other block arranged in a direction parallel to the axis of the gun, slidingly engaging the bores in the first block, adapted to enter a fully engaged position in said bores when the two blocks engage one another and provided with transversal notches at corresponding points of their length, the bored block being provided with a further transverse bore registering partly with the first bores at points corresponding to the location of the notches in the rods in their fully engaged position and a transverse bolt adapted to slide in the transverse bore of the bored block and to engage the transversal notches of the rods rigid with the other block in their fully engaged position.

2,598,886
CARTRIDGE TYPE SEAL
Olin Brummer, Crete, Ill.
Application June 9, 1949, Serial No. 98,077
5 Claims. (Cl. 286—11)



4. In a cartridge type seal device embodying a shell having a cylindrical wall and a radially extending wall having a central opening to receive a shaft therethrough, an annular rubber-like sealing member received in said shell and having an end of reduced diameter abutting the radially extending wall on the inner face thereof without projecting into said opening, gripping means effecting a sealing engagement of said sealing member end of reduced diameter with said shell about said central opening whereby the sealing member is spaced from the shaft, a coil spring disposed about the sealing member between the sealing member and the cylindrical wall and having one end abutting said radially extending wall, an annular preload clip abutting the other end of said spring, said gripping means being free of said spring and clip, and means carried by the shell engaging the clip to limit movement of the spring and clip outwardly of the shell, said sealing member having a radially enlarged annular flange disposed outwardly of said clip, whereby the spring may be pre-loaded in the shell and the sealing member thereafter inserted and said sealing engagement effected.

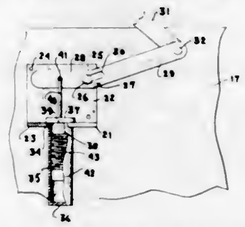
2,598,887
LIFT ROLLER FOR VENETIAN BLINDS
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y.
Application December 7, 1949, Serial No. 131,540
1 Claim. (Cl. 160—170)



A Venetian blind winding spool assembly adapted to be non-rotatably mounted on a portion of a cylindrical blind head rail having circumferentially spaced indentations, the combination comprising, a metallic, multi-shouldered member split on its horizontal centerline into identically similar, shell-like, complementary sections, the center portion of the assembled complementary sections being of reduced diameter to form a winding section with enlarged diameter ladder tape supporting sections formed integral with and on opposite ends thereof, the end wall of one of said enlarged sections having an opening to accommodate a knotted end of a blind raising cord, the end sections of the assembled

complementary sections being of an enlarged diameter greater than said ladder tape supporting sections to prevent transverse movement of a blind ladder tape, and ring members telescopically fitted over the end sections of said assembled complementary sections, the one end of each ring member being provided with an end wall having an opening for snugly accommodating the head rail to prevent longitudinal movement of said spool thereon, the center portion of the assembled complementary sections including circumferentially-spaced, inwardly-pressed indents adapted to be accommodated in the indentations of said head rail.

2,598,888
LUGGAGE
Paul H. Capra, Philadelphia, Pa.
Application September 23, 1949, Serial No. 117,398
2 Claims. (Cl. 217—60)

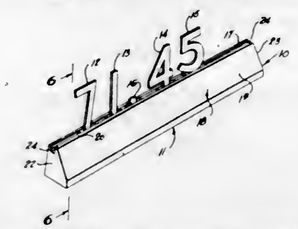


1. In a piece of hand luggage including complemental parts hingedly connected together and clasp means for holding said parts in closed position with one of said parts having a side wall, a bracket secured to said side wall, a pivot pin carried by said bracket, a lever having a slot receiving said pivot pin, a link having one end pivotally connected to one end of said lever and its other end pivotally connected to the other of said luggage parts, a cylinder carried by said bracket having a closed end and an open end, a closure for said open end, a spring follower for said cylinder between said closed end and said closure, a pull rod having one end connected to said spring follower with its other end connected to said lever at the side of said pivot remote from the connection of said link to said lever, said pull rod passing through an opening in said closure and an expansion coil spring in said cylinder about said pull rod and between said spring follower and said closure.

2,598,889
PICKLING CHROMIUM ALLOYS
William E. Caugherty, Tarentum, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
No Drawing. Application July 18, 1947, Serial No. 762,014
11 Claims. (Cl. 134—3)

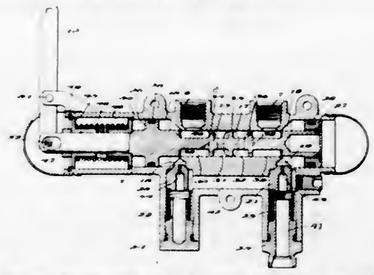
1. A method of the character described for removing scale from straight chromium alloys to provide a bright surface finish which comprises, immersing such alloys in an aqueous solution consisting of nitric acid and a univalent solution-soluble alkali-metal fluoride salt, the fluoride salt being in a sufficient minimum amount of about 1% to act upon the scale and make it subject to effective action by the nitric acid and being within a maximum amount such that etching of the alloys will be substantially eliminated and not above about 8%, the nitric acid being in a sufficient minimum amount of about 5% to remove the scale and within a maximum amount of about 10%, and the proportioning of the fluoride salt and nitric acid being such that a substantially complete removal of the scale is effected.

2,598,890
DISPLAY DEVICE
Louis Cisi, Cliffside Park, and William Dippel, Clifton, N. J.
Application January 18, 1949, Serial No. 71,493
1 Claim. (Cl. 40—140)



In a display device having interchangeable characters, the bottom of each character having an outwardly directed flange of L-shape extending forwardly thereof; a support for the characters, the support comprising a hollow body having front and back walls, at least the upper portions of said front and back walls being directed toward each other, jaw members interconnecting said front and back walls at the top and integral therewith, said jaw members having spaced upper edges, the jaw member integral with said back wall having an inner projection extending parallel to said upper edges toward the other jaw member, whereby said projection and said upper edges form a longitudinal slot with the cross-section of the slot being of L-shape, said slot receiving the L-shaped flange of the characters, said walls being sufficiently flexible at least at the top so that pressure applied to said walls will cause them and the jaws to fulcrum in the region of the top to expand the jaws to permit insertion of the characters and when the pressure is released to grip them securely.

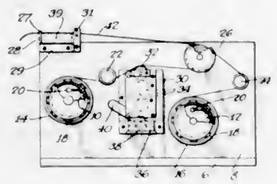
2,598,891
SELECTOR VALVE-AUTOMATIC HOLDING AND CUTOFF
Conrad H. Cooke, Middle River, Md., assignor, by direct and mesne assignments, of one-half to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland, and one-half to Hydraulic Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application October 5, 1946, Serial No. 701,599
8 Claims. (Cl. 60—52)



1. In a hydraulic system including a double acting hydraulic cylinder having pressure and

return lines, a selector valves, means to supply hydraulic fluid pressure to said valve, means in said valve to control the flow of fluid to said cylinder, passage means formed in said valve to conduct returning exhaust hydraulic fluid from said cylinder, means in said valve to restrict the flow of return fluid to build up a small back pressure in the return line, means actuated by said return line back pressure to hold said valve in the open position until the cylinder is fully actuated, and means to move said selector valve to the neutral position upon the cessation of exhaust flow from said cylinder and the consequent decrease of back pressure in said return line.

2,598,892
IDENTIFICATION TAPE AND METHOD OF MAKING SAME
Howard T. Critchlow, Jr., Detroit, Mich., and Joseph J. Marecki, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Original application July 18, 1942, Serial No. 451,490. Divided and this application January 24, 1945, Serial No. 574,390
2 Claims. (Cl. 154—121)



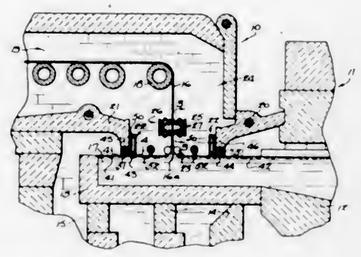
1. The method of making identification tape comprising supplying two strips of tacky adhesive tape, one a background base tape and the other a transparent cover tape, said tapes each consisting of a water, oil and ink resistant, liquid-tight cellulose carrier having a layer of tacky adhesive secured to one surface thereof, printing identification indicia with wet ink by reversed type on said cover tape adhesive so that said indicia will be clearly readable through said cover tape, and securing said cover tape to said base tape carrier by means of said cover tape adhesive whereby said indicia is completely protected by said water oil and ink repellent carriers.

2,598,893
APPARATUS FOR PRODUCING FLAT GLASS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 20, 1945, Serial No. 611,506
1 Claim. (Cl. 49—17)



In the Colburn machine for producing sheet glass, a working receptacle containing a bath of molten glass, means for drawing a continuous sheet upwardly from said bath, a bending roll for deflecting the sheet from the vertical into the horizontal plane, lip-tiles mounted above the bath of molten glass at opposite sides of the sheet, coolers positioned at opposite sides of the sheet inwardly of and adjacent said lip-tiles, a pair of rotatable cylindrical cooling rolls positioned on opposite sides of said sheet between said bath of molten glass and bending roll with the peripheries of said rolls spaced from but in close proximity to the surface of the sheet being drawn, means for circulating a cooling medium through said rolls to subject said sheet to an accelerated radiant cooling action along a line transversely thereof and to a gradually lessening cooling action on either side of said line, means for rotating said rolls in a direction opposite to the movement of the drawn sheet to simultaneously move air bodily over the line of radiant cooling, casings fitting over a portion of the periphery of said rolls substantially the same length as said rolls and closed at their ends and means associated with said casings for withdrawing air therefrom.

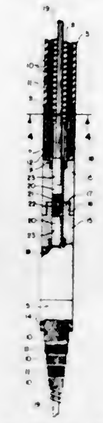
2,598,894
APPARATUS FOR PRODUCING GLASS SHEETS
John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 14, 1945, Serial No. 616,295
3 Claims. (Cl. 49—17)



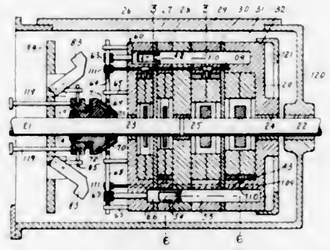
1. In apparatus for producing flat glass, a working receptacle containing a bath of molten glass, means defining a zone of sheet formation, means for drawing a ribbon or sheet from said bath through said zone, radiant heaters spaced from either side of the base of said sheet and remote therefrom directly above the surface of the molten bath and extending thereacross, and heat exchangers arranged closely adjacent either side of the glass sheet and including heat absorbing surfaces in close proximity to said sheet and means disposed between said absorbing surfaces for creating a flow of conditioned air in contact therewith.

2,598,895
FLEXIBLE DRIVE MEANS FOR CONCRETE VIBRATORS
Herbert Dreyer, Los Angeles, Calif.
Application June 27, 1947, Serial No. 757,497
6 Claims. (Cl. 64—4)

1. A flexible drive means for connection between a motor drive unit and a concrete vibrator head, said drive means comprising: a flexible housing including metal reinforcing servings and molded servings forming a flexible tube; tubular end mandrils secured to the metal servings of said flexible housing, said mandrils having threaded extremities; tubular couplings threaded to receive said mandrils and including sleeves overlying the extremities of said flexible housing; and a flexible drive shaft axially displaceable and rotatably mounted within said flexible housing.



2,598,896
FULLY BALANCED COMBINATION OVER-DRIVE AND HYDRAULIC TRANSMISSION
Otto J. Eisele, New York, N. Y.
Application September 16, 1950, Serial No. 185,297
15 Claims. (Cl. 60—19)



15. In a fully balanced combination over-drive and hydraulic transmission having coaxial driven and drive shafts and comprising a casing concentrically rotatable about said shafts, said casing comprising four successive chambers, twin pumping units keyed to the driven shaft and twin motor units keyed to the drive shaft, said pumping and motor units carrying hydraulic fluid impellers, means to actuate said impellers secured in said chambers, controllable fluid passages in said casing, one leading from the first to the third chamber and from the third chamber back to the first chamber for forward drive, and the other from the second chamber to the fourth chamber and from the fourth chamber back to the second chamber for reverse drive, said passages converging with said chambers, oil channels in the casing over the first and second chambers, each channel to converge with each of the aforesaid oil passages at right angles to form a continuous oil circuit around the pumping units and thereby forming two separate, two-way, endless oil passages, said impellers having overdrive imparting check valves positioned in their outer end sections with the exception of the impeller in the fourth chamber, said valves positioned to have their seats on the pressure imparting sides in the first and second chambers and on the pressure receiving sides in the third chamber, the ports of the two-way tubular oil flow regulating valve in the casing over the second chamber to be kept open additionally while in direct drive to compensate for the unwanted valves in the impeller in the fourth chamber and permitting the motor units to freely revolve under momentum imparted to the drive shaft and permitting locks to unlock, said means to assure perfect over-drive, substantially as described.

2,598,897
PURIFICATION OF TITANIUM TETRACHLORIDE
Helmut Espenschied, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application April 12, 1949, Serial No. 87,112. Divided and this application July 20, 1950, Serial No. 175,029
8 Claims. (Cl. 202—57)

1. A method for the purification of titanium tetrachloride which comprises contacting, at a temperature at least as high as the boiling point of titanium tetrachloride, crude titanium tetrachloride simultaneously with an alkaline earth metal hydroxide excluding magnesium and at least one compound selected from the group consisting of the hydrated oxides of aluminum, titanium and chromium, and subsequently recovering the purified titanium tetrachloride as a condensate.

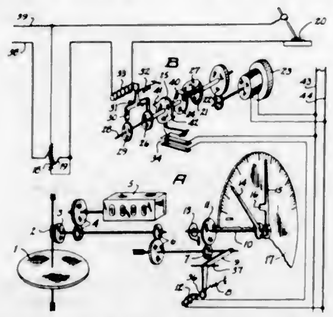
2,598,898
METHOD FOR THE PURIFICATION OF TITANIUM TETRACHLORIDE
Helmut Espenschied, Metuchen, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 8, 1951, Serial No. 210,090
8 Claims. (Cl. 202—57)

1. Method for the purification of titanium tetrachloride which comprises admixing crude titanium tetrachloride with at least one agent selected from the group consisting of iodine and the iodide compounds of sodium, potassium, monovalent copper, magnesium, calcium, and aluminum, heating the mixture to a boiling temperature and distilling the treated titanium tetrachloride to recover purified titanium tetrachloride therefrom as a distillate.

2,598,899
MAXIMUM DEMAND METER FOR PULSATING LOADS
Paul E. Fehr, Zug, Switzerland, assignor to Landis & Gyr, A. G., Zug, Switzerland, a corporation of Switzerland
Application July 29, 1948, Serial No. 41,317
In Switzerland August 5, 1947
8 Claims. (Cl. 171—34)

1. In a meter for indicating the mean value of pulsating loads for a recording period of maximum power consumption, a first gear, a second gear concentric with said first gear, a cam rigidly coupled to said first gear, a bell crank lever having a first arm engageable with said first gear and a second arm engageable with said second gear, means for normally retaining said lever in engagement with said first gear so as to restrain the movement of said gear, means operable during the load intervals for pivoting said lever so as to restrain said second gear and cause said first gear to rotate during said load intervals, an indicating element rotatable in propor-

tion to the amount of power consumed, and means for releasing said indicating element to



its zero position after the rotation of said cam through a predetermined angle.

2,598,900

HEAT SEALING DEVICE

Jack Frye, Sedona, Ariz.

Application November 24, 1947, Serial No. 787,803

3 Claims. (Cl. 219—21)



1. A heat sealing tool for thermoplastic sheet material, comprising in combination, a holder, a head mounted on said holder and movable relative thereto, means for heating said head, and means through said holder for passing electrical current to said heating means, said head comprising a ball supporting member and a ball freely movable in said supporting member, said head being readily detachable from said holder whereby to enable a single holder to be equipped with a variety of heads.

2,598,901

CLAMP FOR CONSTRICTING FLEXIBLE TUBULAR ELEMENTS AND THE LIKE

Mather Garland, Mound, Minn.

Application March 10, 1950, Serial No. 148,852

5 Claims. (Cl. 128—346)



1. A clamp for flexible tubular elements or the like comprising a pair of opposed clamping legs in the form of strip portions constructed from bendable material adapted to retain its shape when bent or folded, means for fixedly interconnecting said legs, one of said legs having an extension at one end thereof for folding over and clinching against the extremity of the other leg to secure said legs in clamping engagement against a tubular element and one of said legs having on the inner clamping surface thereof a series of ribs, said ribs having at least portions thereof which extend diagonally of said legs while nevertheless being in position to traverse the tubular element clamped.

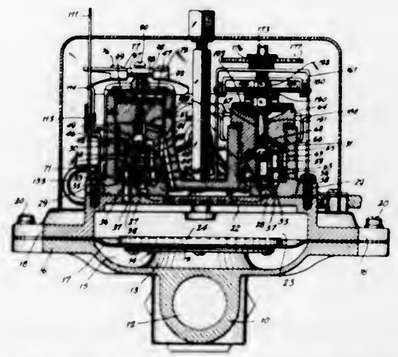
2,598,902

GAS VALVE

Claude M. Garner, Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri

Application June 19, 1946, Serial No. 677,830

10 Claims. (Cl. 236—80)



1. In a gas valve, a main housing having an inlet and an outlet, and a valve seat between them, a valve member cooperable with the valve seat, a diaphragm for operating the valve, said diaphragm extending across the housing to provide a first diaphragm chamber, a cap member adapted to fit over the housing and having edges to clamp the diaphragm to the housing, and providing a second diaphragm chamber, a valve housing member having two valve chambers therein, a valve in each valve chamber, a control passage from one diaphragm chamber to the first valve chamber, an exhaust passage and a pressure passage connected to said first valve chamber, the pressure passage being connected to the other diaphragm chamber the first valve being movable to connect its control passage with either the exhaust passage or with the pressure passage, yieldable means urging the first valve to connect the control passage with the pressure passage, the exhaust passage leading to the second valve chamber, and means to move the second valve to cut off said exhaust passage, there being no set sequence of operations for the two valves.

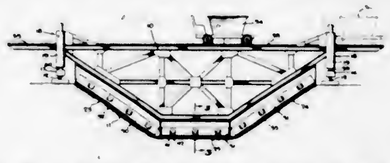
2,598,903

CANAL LINING MACHINE

Irvin L. Gebhard, Modesto, Calif., assignor to Western Contracting Corporation, Sioux City, Iowa, a corporation of Iowa

Application August 5, 1948, Serial No. 42,669

17 Claims. (Cl. 61—63)



14. In a device for lining a canal or the like with material such as concrete, the combination of: parallel rails on opposite sides of the canal; a frame spanning the canal and provided with a hopper for discharging materials to line the canal; forward and rear wheel assemblies spaced along the rails on opposite sides of the

frame, a wheel on one of the assemblies being flanged on both sides to confine the rail between the flanges, each of the wheels on the other assemblies being without flanges; a bell crank member pivotally mounted on the frame adjacent one of the unflanged wheel assemblies, one of the arms of the member being provided with a roller contacting the side face of a rail, the other arm being connected to one end of a cable; and an indicator positioned adjacent the other wheel assembly on the same side of the frame and connected to the other end of the cable and indicating the extent of lead or lag of one forward wheel assembly with respect to the other.

2,598,904

SHAPED ZIRCON CERAMIC BODIES AND COMPOSITION AND METHOD OF PRODUCING THE SAME

Kenneth A. Gebler, Verona, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

No Drawing. Application September 7, 1951, Serial No. 245,647

10 Claims. (Cl. 106—57)

1. A composition for use in forming shaped zircon ceramic bodies, comprising an intimate mixture of from 94 to 96 parts of milled zircon and 6 to 4 parts of china clay by weight and 16 to 22 parts by weight of organic solids and water, said organic solids and water comprising 0.1 to 0.2 part of sodium alginate, 0.5 to 2 parts of ceramic flour, 4 to 5 parts of paraffine particles and not less than 12 nor more than 15 parts of water.

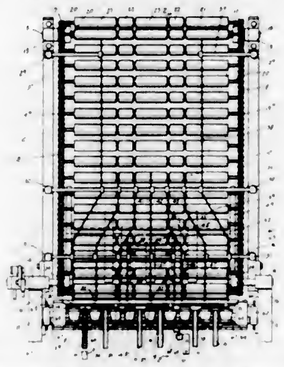
2,598,905

ALIGNING AND SPACING DEVICE FOR EGGS

James C. Gill, Indianapolis, Ind.

Application August 15, 1947, Serial No. 768,727

16 Claims. (Cl. 198—30)



1. A device for spacing and aligning ovoid articles including in combination an endless conveyor, power means for advancing same, guide fins disposed above the conveyor and in close proximity to the upper run thereof, certain of the fins having intermediate divergingly directed portions and end portions, laterally offset and substantially parallel to the initial portion of the fins for effecting lateral article spacing in multiple article advance by said conveyor, and mechanism disposed contiguous to the discharge end of the conveyor for receiving the discharged laterally spaced articles therefrom, comprising pairs of spaced drums rotatable on axes extending longitudinally relatively to the travel of the conveyor, each pair being arranged to trap an article therebetween and support the same, and power means for rotating the drums to effect aligning and centralizing of the article thereon.

2,598,906

REVOLVING PILLAR SHELL

Irving Green, New York, N. Y.

Application July 23, 1948, Serial No. 40,354

1 Claim. (Cl. 40—33)



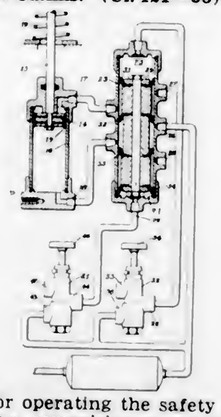
A device of the character described comprising an upright cylindrical jacket consisting of shells which are semi-circular in cross-section, a pair of horizontal wheel members each of which consists of two semi-circular sections provided with a plurality of vertical apertures and one of said wheel members being secured to the inner side of the upper end of said jacket while the other is secured to the inner side of the lower end of said jacket, vertical bolts being extended through said apertures in said wheel members beyond the upper side of the wheel member which is at the upper end of said jacket as well as beyond the lower side of the wheel member which is at the lower side of said jacket, bushings partially encompassing those portion of said bolts which extend beyond said wheel members, a sectional horizontal pulley having perforations which register with the apertures in said wheel members being adjacent the bushings at the lower end of said jacket and having the bolts at the lower end of said jacket extended through said perforations, a pair of sectional horizontal ring members having vertical threaded holes which register with the apertures in said wheel members and into the holes of one of said ring members there being screwed the ends of the bolts at the upper end of said jacket while the other ring member is adjacent the lower side of said horizontal pulley and having screwed into its holes the bolts at the lower end of said jacket, horizontal rollers being rotatable on said bolts between said wheel members and said ring members and being so located that they protrude into the space encompassed by said ring members, sleeve members having swooth circular outer surfaces being provided adjacent said horizontal rollers on a stationary object which extends through said jacket as well as through said wheel and ring members, vertical rollers revolving around horizontal axes being arranged adjacent said ring members for rotatably supporting the latter and said jacket, and plates on which said vertical rollers are rotatably mounted being provided with bores of the same diameter as said ring members and being divided along a horizontal center line.

2,598,907

TWO-HAND FLUID PRESSURE CONTROL OF POWER MACHINERY

James J. Griffin, Owosso, Mich., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass., a corporation of Delaware

Application March 3, 1949, Serial No. 79,399
3 Claims. (Cl. 121—38)



1. Means for operating the safety control of a power machine comprising a pressure fluid receiving cylinder having a piston therein, operating connections from said piston to said safety control, a source of fluid pressure, a pair of manually controlled three-way valves interposed in parallel relationship between said source and said fluid receiving cylinder, each of said valves including an exhaust port for venting to the atmosphere the fluid delivered to said valves from said fluid-receiving cylinder in one position of each of said valves, said exhaust vent being closed off in the opposite position of each of said three-way valves, which opposite position is the position in which communication is established between said source and said fluid-receiving cylinder, a fluid pressure-operated reversing valve also interposed between said source and said cylinder, means responsive to pressure exerted manually and simultaneously on said pair of three-way valves to cause a shifting of said reversing valve and thereby cause pressure fluid to be directed against one face of said piston to shift said safety control to the position in which said machine commences a single cycle of operation, said three-way valves operating automatically upon the release of said manual pressure to cause a shifting of said reversing valve to a new position wherein pressure fluid is withdrawn from said one face and applied to the opposite face of said piston, to return said safety control to its initial position and thereby prevent a second operation of the machine prior to re-exertion of manual pressure on said pair of three-way valves.

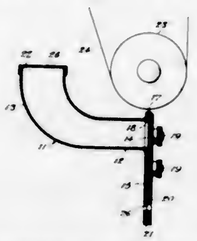
2,598,908

COATING HEAD

Samuel B. Grimson, New York, N. Y., assignor to Color Research Corporation, Dover, Del., a corporation of Delaware

Application February 24, 1950, Serial No. 146,140
5 Claims. (Cl. 118—401)

1. A coating head for applying liquid coatings to the surfaces of long strips of flexible material comprising, in combination, a relatively shallow, covered reservoir having an open end, the length of the open end being at least equal to the width of the strip to be coated, a flange plate provided with an opening corresponding to the opening in the end of the reservoir, said flange plate being affixed to the reservoir surrounding the opening in the end of the reservoir, the flange above the opening being narrow and having a horizontal upper edge, a thin U-shaped sheet metal element adjacent the face of said flange plate and extending from the top of said flange plate near one end thereof, down one side of the opening, along the bottom of the opening, and up its other side to the top of the flange plate near the other end thereof, a flat cover plate for the flanged opening in the end of the reservoir, said cover plate having a horizontal upper edge matching the upper edge of the flanged plate, and means for removably clamping the cover plate against the flanged plate separated only by the U-shaped element to provide a narrow, slot-like, horizontal orifice for the reservoir at the upper edges of said plates.

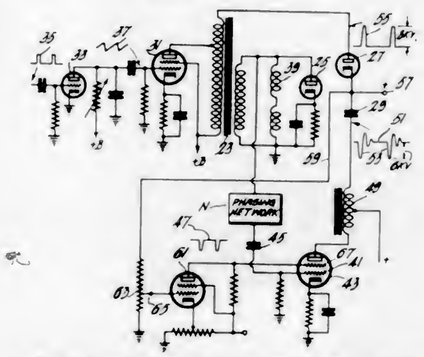


2,598,909

REGULATED HIGH-VOLTAGE SUPPLY

Gustave L. Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 29, 1948, Serial No. 29,995
7 Claims. (Cl. 315—27)



1. A high voltage power supply for television systems and the like comprising in combination a first source of electrical pulses, a second source of electrical pulses, means for synchronizing said sources with each other said sources of electrical pulses connected to produce pulses having opposite polarity, said pulses being of short duration as compared to the time interval between pulses, an output circuit having a high voltage terminal, a diode having a cathode and an anode, a condenser, a pulse transfer connection between one of said sources of electrical pulses and said high voltage terminal through said condenser, and a pulse transfer connection between the other of said sources of electrical pulses and said high voltage terminal through said diode, said diode being polarized in a manner such that said diode cathode is connected to said high voltage terminal.

2,598,910

METER FOR DETERMINING FLOW RATE AND/OR VISCOSITY OF FLUIDS

Victor P. Head, Lacey Park, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania

Application June 4, 1947, Serial No. 752,303
3 Claims. (Cl. 73—56)



1. A device of the character described comprising a vertical metering tube having a cylindrical inner bore of relatively small diameter and adapted for flow of fluid therethrough, a generally cylindrical extension chamber of relatively large diameter communicating in axial alignment with the outlet end of said metering tube, and a metering float having a flow-constricting smooth cylindrical rod-like portion disposed in part within said metering tube but extending beyond the outlet end thereof and into said extension chamber, said cylindrical portion being relatively slightly radially spaced from said metering tube and providing across said portion and into said extension chamber a fluid passageway of uniform relatively thin annular cross-section, said float having a gravity-determining portion mounted at the end of said flow-constricting portion and disposed at all times within said extension chamber comprising a cylindrical body of larger diameter than the inner bore of the metering tube and relatively widely spaced from the inner wall of said extension chamber so as to provide a fluid passageway of relatively wide annular cross-section, said float being adapted to move in the direction of fluid flowing through said tube and chamber upon increase either in flow-rate or in viscosity of the fluid during said flow, and said movement being substantially unaffected by flow of fluid through said passageway of relatively wide annular cross-section.

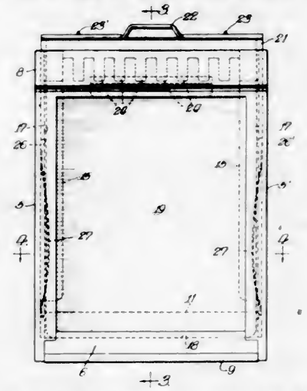
2,598,911

FILM OR PLATE HOLDER FOR CAMERAS

Stanley E. Helberg, Chicago, Ill.

Application May 12, 1949, Serial No. 92,861
1 Claim. (Cl. 95—66)

A photographic plate or film holder comprising a frame having a top, bottom and side frame members, each having laterally spaced slots to receive and retain a pair of partition members located in spaced apart relation with each partition member adapted to receive and hold a photograph plate or film, additional laterally spaced slots provided in said frame members with the slots in the top frame member open for receiving a pair of dark slides each adapted to be mounted in front of a partition member and adapted to be withdrawn to expose a plate or film, aligned auxiliary slots in the frame members in the space between the partition members for receiving a dark slide when removed from in front of a partition member to expose its plate or film, the auxiliary slot in the top frame member being open to the exterior to readily receive and guide the removed dark slide into the aligned slots of the side frame members, and a leaf spring in each of the last mentioned slots projecting into the path of the dark slide for frictionally gripping the side edges of the slide to prevent accidental displacement of the latter but permitting its ready removal and replacement in front of a partition member.



2,598,912

MOVEMENT FOR ELECTRIC TIMEPIECES

Simon Serge Held, Paris, France, assignor of one-half to Etablissements Ed. Jaeger, Levallois-Perret, France, a company

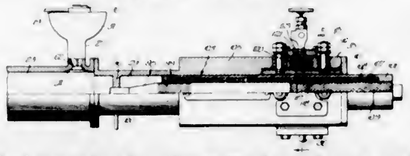
Application June 11, 1949, Serial No. 98,579
In France June 23, 1948
31 Claims. (Cl. 318—129)



1. A movement for electric time pieces, such as clocks or watches with driving spiral balance wheel, of the kind having a fixed magnetic field generator formed by a permanent magnet device and a core managing with said permanent magnetic device a small air gap centered on the oscillation axis of the balance wheel, the magnetic flux generated by said permanent magnet device being closed through said core, a winding carried by the balance wheel, surrounding said core and oscillatable within said small gap, and a spiral spring one end of which is fixed whilst its other end is connected with said winding for applying a return torque to the winding-balance wheel assembly and for acting as current supplying element for said winding, comprising, in combination, means for supporting the core along the oscillation axis of the balance wheel for setting free the small air gap whereby the winding

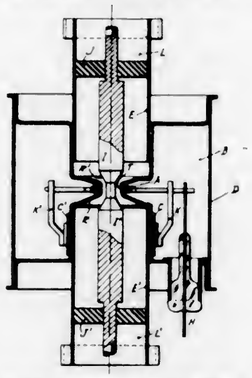
may oscillate for an angle substantially equal to 360°, means for energizing the winding during a determined fraction of the oscillation period thereof for each one of the half oscillations thereof, whereby for each complete oscillation period said winding receives two electrical impulses, means for directing each impulse in the corresponding oscillation direction of the winding-balance wheel assembly, and means for rendering negligible the variations of the flux traversing said winding when energized with respect to the flux traversing the same when de-energized, so that the inductive energy of said winding is substantially zeroized, whereby the sparks generated by the induction current at breaking are eliminated.

2,598,913
EXTRUSION APPARATUS
Julius A. Hjulian, Palos Heights, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application October 17, 1949, Serial No. 121,697
7 Claims. (Cl. 25—16)



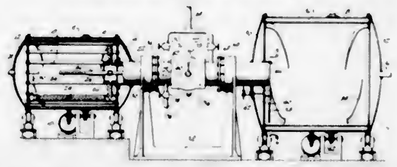
1. Apparatus for the extrusion of pipe or the like from a water carrying slurry which comprises a pressure chamber having an open end, means for supplying slurry to said chamber, hydraulic means for applying pressure to the slurry in the chamber, means for withdrawing fluid from slurry in the chamber, a brake fixedly located within and adjacent to the open end of the pressure chamber, said brake having radially acting opposed jaws for gripping formed material in the chamber, and means for moving the jaws into gripping position and into released position.

2,598,914
APERIODIC ELECTRONIC BLOCKING VALVE
Harry Huber and Lothar Brück, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application January 24, 1948, Serial No. 4,138
In France January 29, 1947
3 Claims. (Cl. 315—39)



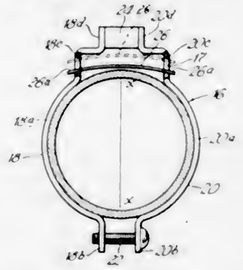
1. In a coaxial transmission line comprising an interior and an exterior conductor for ultra-high frequency, an aperiodic blocking tube interposed in said line, and comprised of the following elements; a portion of said line limited by transverse airtight insulating joints between the two conductors within the said line, a vacuum tight envelope surrounding the said line and at levels substantially with said insulating joints, and inside said portion of the line, a zone where said interior and exterior conductors taper simultaneously to constitute two truncated cones united at their tops by a cylindrical portion.

2,598,915
APPARATUS FOR THE TREATMENT OF GRAINS
Erich Gustav Huzenlaub, Chicago, Ill., and Francis Heron Rogers, Elmhurst, Kenley, England, assignors, by mesne assignments, to Converted Rice, Inc., Houston, Tex., a corporation of Delaware
Original application November 3, 1945, Serial No. 626,560. Divided and this application April 9, 1948, Serial No. 19,994. In Great Britain September 25, 1945
6 Claims. (Cl. 99—237)



3. Apparatus for treating cereal grains which comprises a first vessel having a chamber adapted to receive a batch of one kind of grain for treatment therein, a second vessel having a chamber adapted to receive a second batch of grain of a different kind, each of said chambers having a steam jacket and means connecting each of said jackets with a source of steam, conduit means communicating with the interior of the first vessel chamber for introducing wet steam under pressure into said first chamber, a blow-off pipe connecting said chambers, a valve controlling said pipe, and means for rotating said vessels.

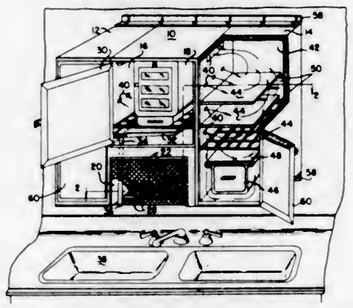
2,598,916
ION TRAP OF UNIFORM FLUX DENSITY
Donald Paul Ingle, Defiance, and Sol L. Reiches, Cleveland, Ohio, assignors to All Star Products, Inc., Defiance, Ohio, a corporation of Ohio
Application August 11, 1951, Serial No. 241,458
5 Claims. (Cl. 313—75)



1. A magnetic device adapted to receive the neck of a cathode ray tube and characterized by a relatively uniform flux density comprising,

a pair of complementary magnetic pole pieces having arcuate portions adapted to straddle the neck of the tube and defining a pair of extending faces at corresponding ends and contiguous with the arcuate portions, the faces being flat and having a substantial spacing, a magnet received by said pole pieces outboard of said faces to create magnetic flux between said faces and between said arcuate portions, and a magnetic shunt extending between said faces and adjustably held thereby.

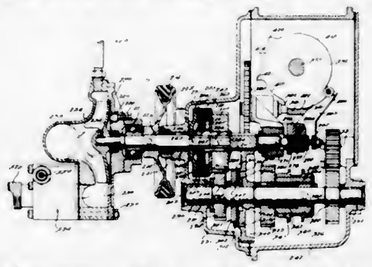
2,598,917
REFRIGERATOR CONSTRUCTION
Herbert M. Ingram, Middletown, Ohio
Application December 29, 1949, Serial No. 135,624
3 Claims. (Cl. 62—89)



1. In a refrigerator; a main unit having a storage space and cooling means therein, said cooling means being spaced from one side wall of the unit and dependent from the top wall thereof, a side unit abutting the said one side wall of the main unit and also having a storage space, said units being detachably connected together, the abutting walls of said units having a plurality of registering openings distributed thereover to provide for restricted but distributed air circulation between said units, whereby the said cooling means chills both storage spaces, at least one of the said openings being at the extreme top of the storage spaces for the return of air from the said center unit and being as large in effective area as several of the others of the openings taken together, said one opening being longer in the horizontal direction than in the vertical direction.

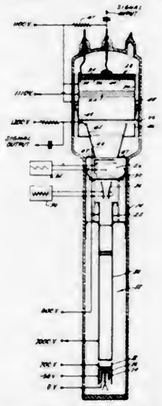
2,598,918
AUTOMATIC WASHING MACHINE
Clare S. Jacobs and Merton F. Wilcox, Detroit, Mich., assignors, by mesne assignments, to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana
Original application June 27, 1946, Serial No. 679,698. Divided and this application July 24, 1948, Serial No. 44,764
5 Claims. (Cl. 74—337.5)

1. A washing machine transmission comprising a driven shaft for moving a cylinder in the machine, a second shaft parallel to the driven shaft, a loose gear on each shaft, a gear keyed to each shaft, one of the loose gears meshing with one of the keyed gears, an idler gear between the other two gears and meshing therewith, clutch means for drivingly connecting each of the loose gears to its shaft, automatic means for alternately engaging the clutches, means for driving the second shaft at a high speed for drying the clothes in the cylinder, speed change means for driving the second shaft at lower speed for washing the clothes, automatic means for controlling the speed change means, and synchronizing means for preventing



said first mentioned automatic means from alternately engaging the clutches and for maintaining one of the clutches in engagement when the high speed rotation occurs.

2,598,919
BARRIER GRID STORAGE TUBE
Arthur S. Jensen, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1950, Serial No. 171,391
8 Claims. (Cl. 315—12)

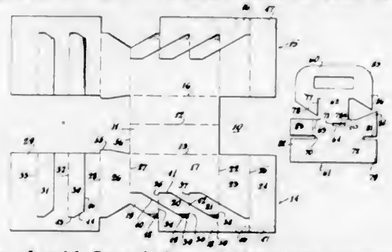


1. An electron discharge device comprising, means for forming a beam of electrons along a path, a target electrode mounted in the path of said electron beam, said target electrode including a surface providing secondary electron emission when struck by said electron beam and a first mesh screen overlying said target surface, means for collecting the secondary emission from said target surface, said collecting means including a collector electrode mounted between said beam forming means and said target electrode, an electron mirror electrode between said beam forming means and said collector electrode, and a second mesh screen electrode between said collector and said first mesh screen.

2,598,920
CARRIER FOR CONTAINERS
Margaret W. Keith, New York, N. Y.
Application April 12, 1949, Serial No. 86,906
9 Claims. (Cl. 229—28)

1. A carrier for bottles or the like, said carrier being made of flexible sheet material and includ-

ing a bottom panel and foldable wall sections connected to said bottom panel along crease lines at opposite edges of said bottom panel, each wall section including a front panel and two end panels and a back panel all connected together along crease lines, an upper back section, inclined strips connected to the front panel and to the upper back section along crease lines, and flaps cut from said back panel and having crease lines connecting the flaps to the back panel, individual of said flaps being folded into engaging relationship with individual of said inclined strips, the respective hinge axes of said crease



lines of said flaps being substantially coincident with the respective hinge axes of said crease lines of said inclined strips at said upper back section and each of said flaps extending from overlapping relationship with one of said inclined strips to adjacent said bottom panel for separating articles located at either side of an engaging inclined strip and flap, each of said foldable wall sections constituting separate compartments over said bottom wall panel and with their respective back panels opposite one another and engaging flaps and inclined strips subdividing each compartment for spacing adjacent articles in the compartments from each other.

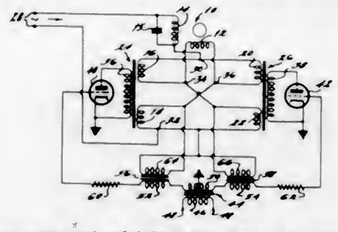
2,598,921
PIPE HANDLING SLING
Viggo J. Knudsen, San Mateo, Calif.
Application May 15, 1950, Serial No. 161,925
5 Claims. (Cl. 294—74)



1. In a supporting sling, a pair of substantially V-shaped rigid end members adapted to be attached to a common connection, the said end members having opposed legs, a rigid plate interposed between and secured to the opposed legs of each end member, a plurality of laterally spaced hooks secured to one of the plates, a plurality of substantially parallel lengths of cable connected permanently at adjacent ends to one of the plates and having means at their opposite ends for detachably connecting them to the hooks on the other plate.

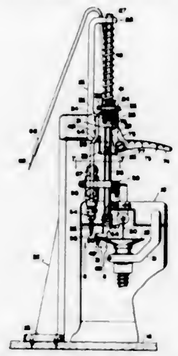
2,598,922
TWO-PHASE MOTOR CONTROL SYSTEM
Arthur E. Konick, Collingswood, and Norman E. Hjorth, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application January 31, 1950, Serial No. 141,488
7 Claims. (Cl. 318—20)

1. In a two-phase motor control system of the type comprising two transformers each having a pair of primary windings and a secondary winding with said primary windings being interconnected to form a bridge circuit and with said secondary windings being connected one in each of the anode-cathode circuits of a pair of grid-controlled electron discharge tubes and wherein the field windings of said motor are connected one in series with said bridge and the other between a pair of conjugate terminals of said bridge,



the improvement which comprises an additional pair of windings connected one between the grid and the cathode of each said tube and each electro-magnetically coupled to one of said transformer secondary windings whereby to provide to said grids alternating bias voltages out of phase with said anode voltages and to decrease said bias voltages in response to an increase in the current flowing through said tubes.

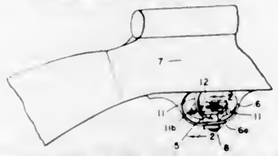
2,598,923
FUR SEAMING APPARATUS
Irving H. Koniger, New York, N. Y.
Application November 30, 1950, Serial No. 198,366
12 Claims. (Cl. 112—20)



1. In a fur seaming apparatus including a sewing machine of the type having a pair of front and rear feed discs establishing a line of feed to a subsequent stitching point, a supporting guide, a post slidably supported by the guide and movable between upper and lower limiting positions, a seam guide and gauge member and an air jet nozzle carried by said post between retracted and operative positions corresponding, respectively, to said upper and lower limiting positions, said nozzle and member being disposed along said line of feed in advance of said discs when in their said operative positions, the said post extending above said supporting guide, a bracket extending upwardly from said supporting guide, a collar affixed to the post above the said guide, a spring on said post in pressing engagement with said collar and the upper portion of said guide, whereby the post together with the nozzle and the guide and gauge member will be

yieldably urged into their respective lower operative positions, and lifting means connected to said post for raising it against the action of said spring.

2,598,924
TRIGGER LOCK FOR ONE-TRIGGER GUNS
Erick W. Lind, Minneapolis, Minn.
Application January 21, 1950, Serial No. 139,893
1 Claim. (Cl. 42—70)



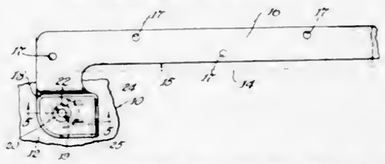
For mounting upon the trigger guard of a one-trigger gun, the single firing trigger thereof being operable for firing the gun upon the rearward movement of the trigger, said trigger guard including a rib passed below the trigger in conventional manner, a trigger lock for preventing the rearward firing movement of the trigger, the same comprising an elongated, rectangular lug slotted through three sides thereof in parallelism with the upper and lower faces of the lug, whereby the lug may be slid laterally onto the said rib of the trigger guard, the said lug being bored and tapped centrally through its lower side for threadedly passing a set-screw for removably mounting the lug upon the trigger guard rib as passed below the trigger, a set-screw thus operably seated through the tapped bore of the lower side of the lug for so mounting the lug onto the trigger guard rib, forwardly of the trigger of the gun, the said lug being routed out longitudinally from front end to back end along its upper side to form a slide-way for slidably seating a lock-slide, a lock-slide thus mounted in the slide-way of the lug, said lock-slide being also longitudinally slotted medially for passing a second set-screw, and the said lug being bored and tapped medially of the slide-way thereof for engaging the inner threaded end of the said second set-screw as passed through the slot of the said lock-slide, a second set-screw thus passed through the slot of the lock-slide and seated into the tapped bore at the upper side of the lug for releasably locking the lock-slide at any adjusted position within the said slide-way, and a trigger-hook rigidly joined onto the rear end of the lock-slide and extended rearwardly for positioning at the rear side of the trigger of the gun for locking the trigger against rearward firing movement when the lock-slide is properly positioned and locked in place by the second set-screw aforesaid, as provided for this purpose.

2,598,925
METHOD AND MEANS FOR GENERATING ELECTRICAL ENERGY FROM A RADIOACTIVE SOURCE
Ernest G. Linder, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 25, 1946, Serial No. 679,083
18 Claims. (Cl. 315—5)



17. Apparatus for primarily generating electrical energy including a source of radioactive charged particle radiations, means for collecting a first portion of said radiations in a region adjacent to said source to establish a voltage with respect to said source whereby said voltage reflects a second portion of said radiations, and means for utilizing the electrical energy of said reflected radiations to actuate a load device.

2,598,926
DOOR CHECK MECHANISM
George H. Logan, Chicago, Ill., assignor, by mesne assignments, to George W. Houlsby, Jr., Chicago, Ill.
Application July 13, 1950, Serial No. 173,629
4 Claims. (Cl. 16—49)



1. In a door check mechanism which acts through a rotatable vertical spindle having a flat side portion thereon to support and control the movements of a door, the combination comprising an arm having an elongate door supporting portion adapted to extend along and be secured to a surface of a door, said arm also having a head portion projecting angularly to one side of the elongate portion and having a socket therein with a vertical axis for receiving the spindle, and a plurality of set screws threaded into the head portion of the arm and extending laterally into the socket for abutment with the flat side of the spindle on opposite sides and transversely of the socket axis, so that the position of the arm may be adjusted angularly with reference to the spindle by changing the positions of the set screws.

2,598,927
DENTAL IMPRESSION TRAY
William A. May, Philadelphia, Pa.
Application May 18, 1950, Serial No. 162,670
1 Claim. (Cl. 32—17)



In a dental impression tray, a cardboard channel having a base and arms extending from the sides of the base and connected to the base by hinge lines, a liner of open mesh fabric extending over the inside of the base and arms, and stitching uniting the liner to the channel, whereby after making an impression in the tray, a parting line for the impression can be broken by manipulating the arms of the tray, but the impression material is held to the channel by the fabric and stitching, and the impression once out of the mouth can be reassembled by again manipulating the arms of the tray.

2,598,928
HOLDER FOR TELEPHONE HANDSETS
Ernest A. McCorkell, Chicago, Ill.
Application September 30, 1949, Serial No. 118,792
6 Claims. (Cl. 179—156)

1. A telephone instrument support comprising a head-engaging member adapted to fit on a user's

head, a supporting hook on said head-engaging member adapted to be disposed in proximity to the user's ear when the head-engaging member is in position on the user's head, and a clamping member rigidly engageable with the handle por-



tion of a telephone hand set, said clamping member having aperture means for removably receiving said hook whereby said clamping member and the telephone hand set secured thereto may be detachably supported on said head-engaging member.

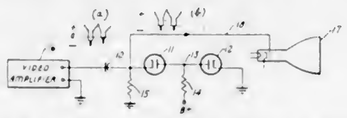
2,598,929

DIRECT CURRENT REINSERTION CIRCUIT

Robert C. Moore, Erdenheim, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application December 15, 1949, Serial No. 133,161

2 Claims. (Cl. 178—7.3)



1. In a television receiver having a source of composite video signal including a picture-signal component, a blanking-pulse component and a synchronizing-pulse component, the synchronizing-pulse component being superimposed upon the blanking-pulse component and constituting the signal of peak amplitude in a predetermined direction, the improvement which comprises the provision of leveling means for maintaining said blanking-pulse component at a substantially fixed reference level irrespective of variations in the amplitude of said synchronizing pulse or the presence of spurious pulses whose duty cycle is smaller, but whose amplitude is higher, than that of the synchronizing pulse, said leveling means comprising: a resistance capacitance (RC) network for developing a leveling bias; a charging circuit for said capacitance including a first unilateral conducting device so poled that its tendency to conduct increases when the video signal voltage applied to said (RC) network increases in said predetermined direction; charging-current control-means for limiting the amount of charging current to a substantially fixed predetermined amount, said control-means including a source of substantially fixed potential, a second unilateral conducting device, and a resistance connected between said source of fixed potential and said second device, the magnitude of said resistance being very high relative to that of either said first or second devices when conducting, said second device being so poled that it tends to conduct in response to said fixed potential applied thereto through said resistance but tends to stop conducting as the video signal voltage applied to said (RC) network increases in said predetermined direction, said source of fixed potential and said resistance being also included in said charging circuit, the circuit parameters of said leveling means being such that throughout a predetermined range of applied video voltages the charging current through said first device increases rapidly to said predetermined maximum value as the applied voltage increases in said predetermined direction, said predetermined range of voltages being small relative to the range of voltages whose limits comprise the blanking pulse and the synchronizing pulse, said charging current remaining substantially constant at said predetermined maximum value for applied voltages beyond said first-mentioned range in said predetermined direction.

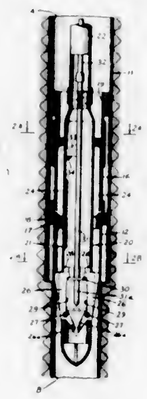
2,598,930

DEVICE FOR REMOVING SEALS FROM WATER WELLS AND OTHER PURPOSES

John B. Murphy, Freeport, N. Y., assignor to American Water Works Company, Incorporated, New York, N. Y., a corporation of Delaware

Application December 2, 1947, Serial No. 789,317

5 Claims. (Cl. 166—1)



1. In apparatus for use in a well or the like, the combination of a body adapted to be lowered into a well, said body having a lower portion that can pass through an opening of given diameter and an upper portion that is incapable of passing through said opening, a plurality of radially extensible and retractable arms pivotally mounted at said body lower portion, each of said arms extending upwardly from its pivot to a flat striking surface disposed substantially perpendicularly to the longitudinal axis of the well and having a member extending inwardly and downwardly from said pivot, an actuator member having portions engaging the inner edges of said arms for moving said arms to extended positions when the actuator member is raised relatively to the body, and having another portion adapted to engage said inwardly extending members when the actuator member is lowered relatively to the body to move them outwardly, thereby moving said arms to retracted positions with respect to the body when the actuator member is lowered relatively to the body, means for operating said actuator member from the entrance to the well, releasable latching means for securing said actuator member to the body in the position to

maintain said arms extended, and means for lifting said body in the well to cause said arms to deliver a blow to an element in the well.

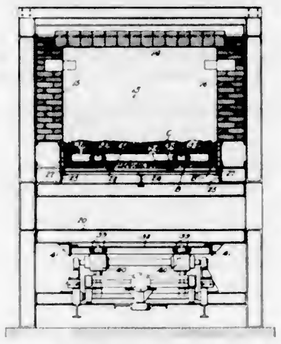
2,598,931

CLINKER COOLER

John Narsted, Hampstead, Montreal, Quebec, Canada, assignor to Fuller Company

Application March 14, 1950, Serial No. 149,496

8 Claims. (Cl. 34—233)



1. Apparatus for cooling material comprising an elongated cooling chamber having means for introducing material into one end thereof and for discharging material at the other end thereof, gas-pervious supporting means extending lengthwise of the cooling chamber and constructed and arranged to maintain a fixed layer of discrete particles of material thereon, guide rails extending lengthwise of the cooling chamber and having their guide surfaces spaced vertically above the supporting means, conveying means including chains and transversely-extending spaced drag bars for conveying material to be cooled through the cooling chamber, said conveying means riding on the guide rails and being vertically spaced above the supporting means a distance sufficient to permit a layer of discrete particles of material to be maintained on the supporting means and below the path of travel of the conveying means, whereby material being conveyed by the conveying means will be dragged along the upper surface of a fixed layer of material, and means for introducing air under pressure below the supporting means to pass upwardly therethrough and through the fixed layer of material and the material being dragged along the upper surface thereof.

2,598,932

WELL PRESSURE GAUGE

Paul J. Natho, Lockport, La., assignor to Pan American Production Company, Houston, Tex., a corporation of Delaware

Application June 9, 1945, Serial No. 598,585

8 Claims. (Cl. 73—300)

1. A well pressure gauge comprising a casing open to well pressure and having at least one chamber therein closed to well pressure, a pressure differential responsive means within the casing, associated with said chamber, said pressure differential responsive means being exposed to the well and to said chamber, and responsive to a difference in pressure therebetween, indicator means associated with said pressure differential responsive means for indicating a response of said responsive means, and a pressure indicator associated with the chamber and responsive to the pressure therein for indicating a change of pressure in said chamber sufficient



to cause a response of said pressure differential responsive means.

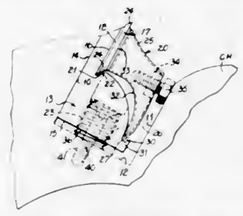
2,598,933

KNIFE ASSEMBLY FOR ROTARY CUTTERS

Edward J. Nevin, St. Louis County, Mo.

Application October 29, 1948, Serial No. 57,197

4 Claims. (Cl. 144—230)



1. In a rotary cutter head provided with a recess for a knife assembly, a knife supported so as to extend into said recess, an element carried by the cutter head and providing an abutment for one side of the knife, and an inverted, substantially L-shaped follower of a resilient character, and normally abutting the opposite side of the knife, a pair of coacting, detachably interfitted, pivotally related bearings carried respectively by the said element and the follower, and screw threaded means, coacting with the follower for releasably clamping the knife between said follower and abutment.

2,598,934

SEPARATOR HAVING FLOW-DIRECTING AND SELF-SEALING DISCHARGE MEANS

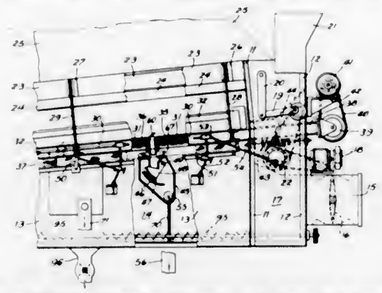
Carl V. Ore, Harvey, and John A. Logan Nicholson, Odin, Ill., assignors to Roberts and Schaefer Company, Chicago, Ill., a corporation of Illinois

Application June 15, 1948, Serial No. 33,048

4 Claims. (Cl. 209—494)

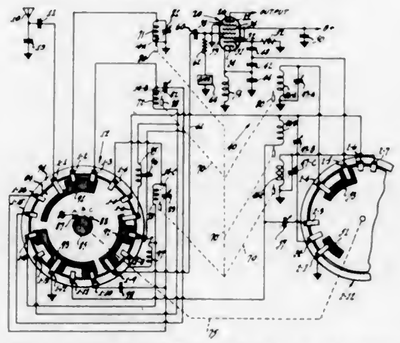
1. In a pneumatic coal separator of the class described having an air-pervious elongated troughlike coal-separating deck provided with a transversely extending intermediate discharge slot which subdivides said deck to form a pair of adjacent longitudinally successive air-pervious deck sections disposed vibratably on top of a substantially unitary stationary housing forming an air chamber for said deck sections which is com-

mon thereto and through which air is delivered under pressure for upward escape through said pair of air-pervious deck sections and having means for vibrating said deck sections as a unit and a stationary discharge casing disposed in said air chamber for receiving separated material particles from said discharge slot, a device for delivering separated material particles from said discharge slot into said discharge casing comprising means rigidly connected with said adjacent deck sections forming a rigid chute leading downwardly from said slot into said air chamber, said rigid chute being vibratable with said



deck sections, means forming a chute extension leading downwardly from said rigid chute, and means in said air chamber forming an upwardly and outwardly flaring hopper connected with said discharge casing on top thereof, said chute extension projecting downwardly into said hopper with its free lower end disposed substantially at the narrowest portion thereof, ingress of air from said air chamber into said chute means and into said discharge casing, respectively, being blocked by material particles massing within said hopper around said chute extension which projects thereinto.

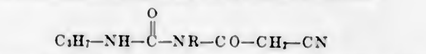
2,598,935
INTERFERENCE-REDUCING SYSTEM
Wen Yuan Pan, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1948, Serial No. 51,974
7 Claims. (Cl. 250—20)



1. In a multi-band heterodyne signal receiving apparatus, an interference reducing system including band change switching means having a plurality of contacts, tunable reactance elements for each of said bands connected to said contacts, mechanically coupled tuning means for each of said elements for providing unicontrol tuning, heterodyne means connected to said contacts, a first circuit including certain of said contacts for selectively connecting said heterodyne means with said tunable reactance elements of one of said bands, and a second circuit including certain others of said contacts for selectively connecting another of said tunable reactance elements serially in said first circuit.

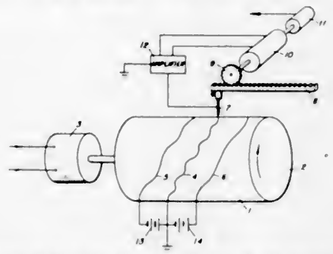
2,598,936
DISUBSTITUTED CYANOALKANOYLUREAS AND THIOUREAS AND METHODS FOR THEIR PRODUCTION
Viktor Papesch, Morton Grove, and Elmer F. Schroeder, Chicago, Ill., assignors to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application April 13, 1950, Serial No. 155,778
2 Claims. (Cl. 260—465.5)

1. A compound of the structural formula



wherein R is an alkyl group of no more than three carbon atoms.

2,598,937
CURVE FOLLOWER
Norman F. Parker, Los Angeles, Calif., assignor to North American Aviation, Inc.
Application April 24, 1950, Serial No. 157,677
8 Claims. (Cl. 177—380)



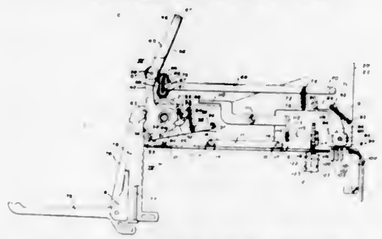
1. Means for generating a variable proportional to any predetermined function of a second variable comprising a conducting surface having a definite predetermined resistance to the flow of electric current, a low resistance conducting line on said surface representing a plot of said function against said second variable, a second conducting line on said surface roughly parallel to said first line and removed from said first line a predetermined distance on one side thereof, a third conducting line roughly parallel to said first line and removed from said first line a predetermined distance on the other side thereof, means for moving said surface in the direction in which said second variable is plotted thereon, a conducting pointer for making electrical contact with said surface, means for applying voltages of opposite sign to the second and third of said conducting lines with said first conducting line grounded, motor means for moving said conducting pointer in the direction in which said function is plotted, amplifier means for turning said motor means in the sense required to return said pointer to said first conducting line in response to voltage on said conducting pointer, and means for detecting the angular motion of said motor means whereby said detected angular motion is proportional to said predetermined function of said second variable.

2,598,938
MOUNTING OF MOVABLE TABLES ON MACHINE-TOOL BEDS
Maurice Philippe, Courbevoie, France, assignor to Societe Anonyme A. B. G., Paris, France, and Societe Civile d'Etude des Inventions et Procedes Philippe, Paris, France
Application August 2, 1946, Serial No. 687,921
In France September 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 18, 1964
5 Claims. (Cl. 308—6)



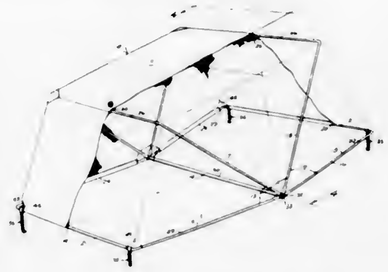
1. A machine-tool having a fixed bed formed on its upper face with longitudinal horizontal and vertical runways, a table movable with respect to said bed and having regularly spaced vertical ribs formed transversely at its lower face and determining successive recesses, the lower face of said ribs being planed horizontally, antifriction bearings the outer races of which run along said horizontal runways, carrier means for said bearings wherein the same are rotatable and arranged in respective lines above said horizontal runways, each one of said carrier means being formed at the sides with two lower shoes the upper surfaces of which are horizontally planed to match the lower horizontal surfaces of two consecutive ribs so as to partially close said recesses and permit of adjusting the bearing-pressure of each bearing on the corresponding horizontal runway, roller means carried by said movable table rotatable about vertical axes and adapted to run on said vertical runways, and means for adjusting the lateral position of at least one of said roller means.

2,598,939
FRONT FEED CARRIAGE FOR TYPING, PRINTING, AND COMPUTING MACHINES
Clifton King Rainey, Knoxville, Tenn., assignor, by mesne assignments, to Rainey Accounting Machine Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Application February 28, 1945, Serial No. 580,117
13 Claims. (Cl. 197—128)



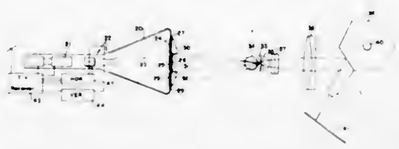
11. In a device of the type described, the combination with a carriage, of a platen journaled on said carriage, a paper sheet feeding member pivotally mounted on said carriage for rocking movement relative to the platen, an idler roller mounted on said paper sheet feeding member, and a pair of feed rollers interposed between the platen and the paper sheet feeding member, one of which has a driving relation with the platen and the other of which has a driving relation with the first roller and with the idler roller on the paper sheet feeding member when in closed pivoted position to establish a simultaneous paper guiding and driving relation therebetween.

2,598,940
COLLAPSIBLE COVER FOR VEHICLES
Frank D. Roble, San Jose, Calif.
Application May 20, 1950, Serial No. 163,277
4 Claims. (Cl. 135—1)



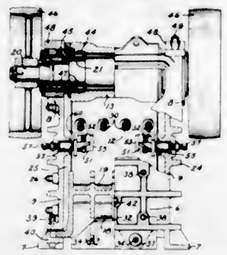
1. In a collapsible cover for vehicles composed of a plurality of bows having the free ends of their legs pivotally connected and having waterproof sheeting connected to said bows so as to be stretched over the latter when they are spread out, the combination therewith of a ground engaging cross bar having its ends extending through the free ends of the legs of said bows to provide the pivotal connection for said bows, and a plurality of yieldable means each having one end thereof secured to the outermost ones of said bows and the opposite end thereof adapted to be secured to an adjacent portion of the vehicle covered to thereby stretch said sheeting over said bows and urge said cross bar into bearing engagement with the surface supporting the vehicle.

2,598,941
COLOR TELEVISION SYSTEM
Solo S. Roth, Yonkers, N. Y.
Application May 20, 1950, Serial No. 163,292
6 Claims. (Cl. 178—5.4)



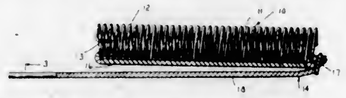
1. A color television receiving system comprising, a cathode ray tube for transforming received video signals into bands of colored light, an electron gun at one end of the cathode ray tube for producing electrons focussed to a vertical line at the other end of the tube, three fluorescent screens at the other end of said tube, a condensing optical system which includes three cylindrical field lenses and a cylindrical object lens for focussing light from the three fluorescent screens onto a slit diaphragm; and a focussing optical system which includes a cylindrical object lens, a spherical focussing lens, and a rotating mirror for focussing and spreading the image of the slit onto a projection screen.

2,598,942
JAW CRUSHER WITH SIDE THRUST ABSORBING BEARINGS
Harvey H. Rumpel, Whitefish Bay, Wis., assignor to Smith Engineering Works, Milwaukee, Wis., a corporation of Wisconsin
Application December 19, 1949, Serial No. 133,715
6 Claims. (Cl. 241—217)



1. In a jaw crusher, a frame having a fixed upright crushing jaw mounted thereon, a movable inclined crushing jaw cooperating with said fixed jaw within said frame to provide a downwardly tapered crushing chamber, a rotary eccentric coacting with the upper end of said movable jaw above said chamber, a toggle link coacting with the lower end of said movable jaw and cooperating with said eccentric to move said jaw relative to said fixed jaw to crush material within said chamber, and a thrust bearing coacting with said frame and said movable jaw between said eccentric and said link near said chamber for absorbing side thrust induced upon the movable jaw by the crushing action.

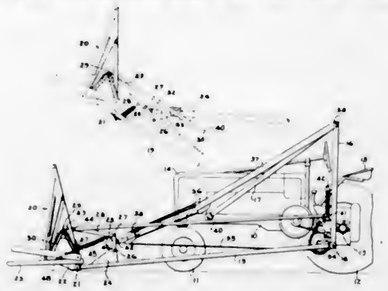
2,598,943
HAIR CURLER
Nathan L. Solomon, Englewood, N. J.
Application July 5, 1949, Serial No. 102,977
4 Claims. (Cl. 132—42)



1. In a curler the combination of an elongated, round, open coil body, a flexible strand looped around a longitudinal portion of said body, and said strand having a free section longer than said body and the end portion of which is adapted to be wedged between coils of said body.

2,598,944
TRACTOR MOUNTED SWEEP RAKE
Harold M. Stueland, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 26, 1948, Serial No. 23,196
2 Claims. (Cl. 214—82)

2. In a load-moving machine having a generally longitudinal frame, a longitudinal lifting arm pivoted at its rear end to the frame for vertical swinging of the front end thereof, and a load-carrying member pivoted on said front end of the lifting arm for fore and aft tilting with respect thereto and for vertical swinging therewith, the improvement comprising: a lever pivoted at one end on the lifting arm for fore and aft rocking behind the load-carrying member; link means articulately interconnecting said lever and the load-carrying member so that rearward rocking of the former effects rearward tilting of the latter relative to the lifting arm; lifting means connected between the frame and the lever and operative to rock the latter rearwardly for first tilting the load-carrying member relative to the lifting arm and then acting through the lever to raise the lifting arm and load-carrying member



in unison; and a longitudinal compression member pivoted at its rear end on the frame for vertical swinging and having at its front end an articulate connection to the link means, said articulate connection including lost-motion means providing for rearward tilting of the load-carrying member and a stop for limiting such rearward tilting.

2,598,945
BOX WITH LOCKING HANDLE
Gerald A. Taylor, Troy, N. Y., assignor to Cohoes Envelope Company, Inc., Cohoes, N. Y., a corporation of New York
Application July 27, 1949, Serial No. 107,060
3 Claims. (Cl. 229—54)

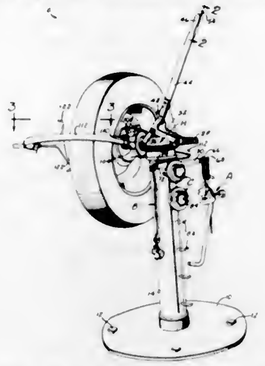


1. A container including a body portion, a top wall and a closure panel, a tuck formed at one end of said closure panel and underlying a portion of said top wall when in closed position, a pair of spaced apertures being formed in said top wall, a handle having an intermediate portion disposed outwardly of and along the top wall and two end portions extending inwardly through said apertures in the top wall and attached to the top wall at points remote from said apertures toward the ends of the top wall, said handle, when in depressed position, being bent to provide two downwardly extending openings and two spaced locking flaps carried by the panel in position to be disposed respectively between said points and apertures and through said openings, lifting movement of the handle relative to the top wall being adapted to grip the locking flaps between the handle and top wall and hold the panel in closed position relative to the body portion.

2,598,946
TIRE HANDLING STAND WITH MOVABLE CLAMPING ARBOR
Otto V. Teegarden, Goshen, Ind.
Application November 29, 1946, Serial No. 713,167
8 Claims. (Cl. 144—288)

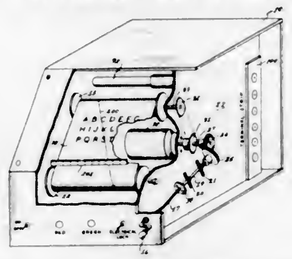
1. In the tire handling stand, a rigid post, an arbor extending therefrom for supporting a wheel at its center hole, a cone element to enter said

center hole, said cone element having a bayonet pin and slot connection with said arbor, means including a spring connection for moving said



arbor toward said post for frictionally engaging said wheel with said post, and means to selectively lock said cone element against rotation or permit it to rotate.

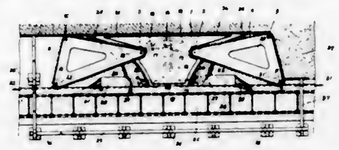
2,598,947
COMBINED TELEVISION CAMERA AND PROMPTER
Mary M. Thielen, Scarsdale, N. Y.
Application February 11, 1950, Serial No. 143,693
13 Claims. (Cl. 178—7.1)



7. A television program control system having a television camera for the broadcast of a scene; said television camera comprising a receiver having material thereon for the broadcast, means for mounting said receiver immediately adjacent a camera lens and in the line of vision of the actor in the scene being taken, said camera lens being mounted on the front of said television camera; and remotely disposed means for controlling the operation of said receiver for continuously changing the material thereon.

2,598,948
MINING MACHINE
Ladislaus Franz Trenczak, Graz, Austria
Application February 24, 1949, Serial No. 78,220
In Austria March 12, 1948
4 Claims. (Cl. 262—9)

1. In a mining machine, a cutter unit, a driving unit for driving said cutter unit, said driving unit being disposed in a casing covering said driving unit and being formed in a ploughshare-like shape, acting as a deflector for conveying away sidewise the material detached by said cutter unit, the outer limits of said casing arranged wholly within the outer limits of said cutter unit, a triangular lower arm articulated to the lowest part of the said casing, a triangular upper arm articulated to the uppermost part of the said casing, cutting chains guided on the circumference of the said lower and upper triangular arms, a rotating cutter bar connecting two

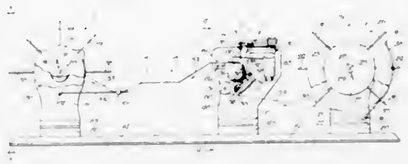


corresponding corners of the said lower and upper triangular arms, means for establishing a driving connection between said driving unit, said cutting chains and cutter bar comprising a vertical gear shaft, and means for advancing the said mining machine.

2,598,949
FINGERPRINT CORROSION INHIBITING COMPOSITIONS
Donald I. Walker, Evanston, Ill., and Edgar A. Dieman, Crown Point, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 9, 1949, Serial No. 80,568
14 Claims. (Cl. 106—14)

1. A composition of matter comprising eventually between about 1 and 30% of a preferentially oil-soluble sulfonate between about 5 and 85% of a hydrocarbon solvent boiling in the range between about 100° F. and about 650° F., between about 1 and 20% of a water soluble oxygenated organic solvent boiling below about 180° F. at atmospheric pressure and selected from the class consisting of an aliphatic alcohol and an aliphatic ketone, between about .1 and 5% of a water soluble sulphonated vegetable oil and between about 1 and 10% water.

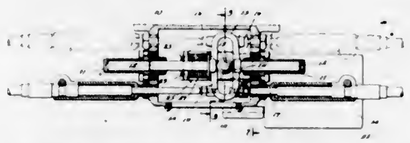
2,598,950
RECORDING APPARATUS
Joseph Walker, Berwyn, Ill.
Application September 29, 1945, Serial No. 619,341
3 Claims. (Cl. 242—57)



2. In combination, a stationary support carrying a bushing extending therefrom, a motor having a shaft extending through said bushing and projecting therefrom, a tape reel carried on the free end of said motor shaft for receiving a tape fed thereto, and a switching device for intermittently operating said motor, said switching device comprising a ringlike member rotatably mounted on said bushing, a first arm radially extending from said ringlike member and carrying a mercury switch, a second arm radially extending from said ringlike member and carrying a weight to counterbalance the weight of said mercury switch, a drive member rotatably mounted on said bushing adjacent said ringlike member,

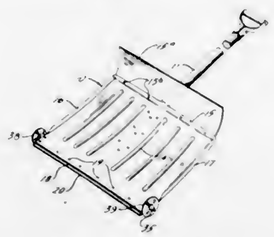
a lever arm forming a follower carried by and radially extending from said drive member with its free end in engagement with said tape, whereby deflection of said tape causes angular displacement of said drive member, a pair of actuating pins extending radially from said drive member for interaction with a coacting pin extending laterally from said second arm to cause angular displacement of said ringlike member and therewith displacement of said weight and said mercury switch responsive to angular displacement of said drive member in accordance with the position of said tape at the point of engagement with said follower, and circuit means controlled by said mercury switch for controlling the operation of said motor.

2,598,951
ELECTRICALLY OPERATED WINDSHIELD WIPER
Albert E. Weigele, Newark, N. J., assignor, by mesne assignments, to National Pneumatic Company, Inc., Boston, Mass., a corporation of Delaware
Application June 22, 1945, Serial No. 600,867
7 Claims. (Cl. 15—253)



1. In a windshield wiper device, in combination, a motor, a crank arm rotatably driven by said motor, a crank pin mounted on said crank arm, a cross-head surrounding said crank pin, resilient motion translating means inter-connecting said crank pin and cross-head to actuate the latter, a plurality of windshield wiper units, means in each unit for converting reciprocatory motion to oscillatory motion, and means for transmitting reciprocatory movement from said cross-head to said motion converting means.

2,598,952
WHEELED SNOW SHOVEL
John W. Weingart, Waterbury, Conn.
Application April 21, 1949, Serial No. 88,715
1 Claim. (Cl. 294—54)

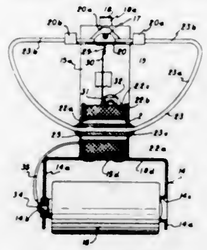


In a snow shovel, a rectangular scoop having a rearwardly-extending handle connected thereto, a pair of angular brackets connected to the base portion of said scoop immediately behind the front edge thereof, said brackets having upwardly-extending apertured ears located laterally outside of said scoop, a pair of horizontal trunnions rigidly mounted in apertures of said ears, a pair of forwardly-extending thin wheels of relatively small diameter rotatably mounted on said trunnions, the forward peripheries of said wheels lying closely adjacent the front edge of said scoop, whereby the operator may readily swing said scoop about said wheels as a fulcrum to precisely control the height of said front edge above the ground being cleared of snow.

2,598,953
SEPARATION OF ORGANIC ESTERS
Alfred W. Weitkamp, Whiting, and Norman J. Bowman, Gary, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 30, 1948, Serial No. 52,122
9 Claims. (Cl. 260—499)

4. In a process for separating a monomethyl-branched carboxylic acid from a mixture thereof with a more highly branched organic acid, the steps which comprise (1) esterifying said acids with a primary monohydric straight-chain alcohol of such a chain length that said monomethyl-branched carboxylic acid is converted into a monomethyl-branched aliphatic ester wherein the straight-chain terminal portion containing the characteristic carbonyloxy group contains also a total of at least four methylene groups, (2) contacting the esterified mixture with urea, (3) withdrawing a solid adduct containing urea and said monomethyl-branched ester, substantially free from ester of said more highly branched organic acid, (4) decomposing said adduct and recovering the ester contained therein, and (5) decomposing the recovered ester and recovering said monomethyl-branched carboxylic acid therefrom in purified form.

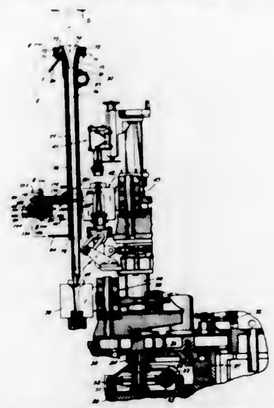
2,598,954
DISPLAY MOTOR
Sheldon M. Wengel, Reedsburg, Wis.
Application July 29, 1950, Serial No. 176,588
11 Claims. (Cl. 172—126)



1. A display motor comprising, a pivotally mounted member adapted to be oscillated, an actuating member connected to said pivotally mounted member, a permanent magnet mounted on said actuating member, a solenoid surrounding said magnet for oscillating said magnet by alternately repelling the same in opposite directions in response to successive energizations of said solenoid, an electric circuit for energizing said solenoid, and means including a single pair of contacts for closing said circuit each time said permanent magnet passes through the same predetermined point in its oscillatory movement through said solenoid, whereby said solenoid is successively energized to alternately repel said magnet in first and second directions away therefrom.

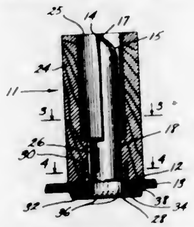
2,598,955
GUIDE TUBE MECHANISM FOR GLASS MACHINERY
Samuel E. Winder, Knox, Pa., assignor of one-half to Henry C. Daubenspeck, Massillon, Ohio
Application August 5, 1946, Serial No. 688,471
28 Claims. (Cl. 49—14)

12. In glass machinery, an elongated guide tube, pivot means rockably mounting one end of the tube for rocking of the tube about a pivot axis, in a plane, and power means engageable with the tube for moving the other end of the tube in an arcuate path in said plane.



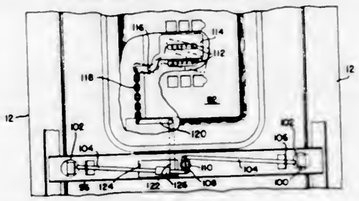
22. A method of feeding glass charges successively from a fixed discharge point to a series of molds rotating about a given vertical axis, including successively discharging charges into a single confining means at such a rate that more than one charge is in the means at one time, holding the upper part of the confining means against lateral displacement to receive the successive charges, displacing the lower end of the confining means with the charge therein, to apply a lateral motion thereto, and delivering the lower charge to the mold with a lateral speed substantially that of the mold.

2,598,956
AIR-ACTUATED NOISE MAKER
George Wintriss, Summit, N. J., assignor to Wintriss Inc., New York, N. Y., a corporation of New York
Application March 31, 1950, Serial No. 153,124
6 Claims. (Cl. 46—180)



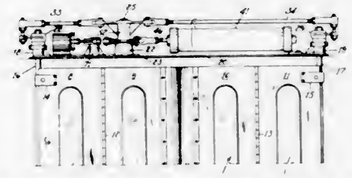
1. A noise maker assembly for use with a hollow object filled with air and including a resilient and elastic wall movable in and out to change the volume of air within the object, said noise maker assembly comprising a wooden housing for location within the object with an end in contact with the inside of the resilient wall, said housing having a passage for communication at one end with a circular opening through the wall, which opening is substantially larger than the end of the passage so that it extends radially beyond the end of the passage on all sides of the axis of the opening, a pneumatically-operated noise maker in the passage, an eyelet having a cylindrical portion for fitting into the opening through the wall, a sharp edge at the inner end of the eyelet for driving into the wood to be tightly held by the wood, a flange at the outer end of the eyelet, a plate with a plurality of openings forming a screen over the open end of the eyelet, said plate being in contact with the outside of the flange and having its circumferential edge bent inward around the periphery of the flange and inward behind the flange, with the inwardly bent edge of the plate formed into a plurality of teeth for projecting into the material of the wall to hold the wall against radial displacement away from the cylindrical portion of the eyelet.

2,598,957
PANEL ARRANGEMENT FOR DISPENSING PUMPS
H. Hix Wolfe, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application February 7, 1949, Serial No. 74,961
4 Claims. (Cl. 312—100)



1. In a dispensing pump having a plurality of interfitting panels and a supporting frame therefor, one of said panels having rolled back margins, a channel extending transversely across the said one of said panels and connected at its ends to said margins, plungers slidably carried in said channel, a key operated device for moving said plungers between inner and outer positions, and means on said frame to engage the ends of said plungers in their outer position for thereby retaining said panels in position, said channel being provided with apertures adjacent its ends for receiving the said means.

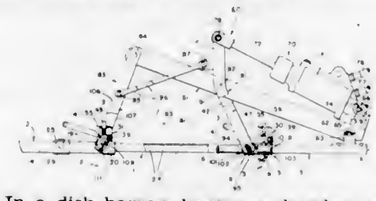
2,598,958
DOOR CONTROLLING MECHANISM
Oliver W. Wood, Rahway, N. J., assignor, by mesne assignments, to National Pneumatic Co., Inc., Boston, Mass., a corporation of Delaware
Application July 21, 1949, Serial No. 106,062
2 Claims. (Cl. 292—1)



1. In a door controlling system having a door mounted to swing about a vertically disposed rock shaft, the combination of a rocking plate

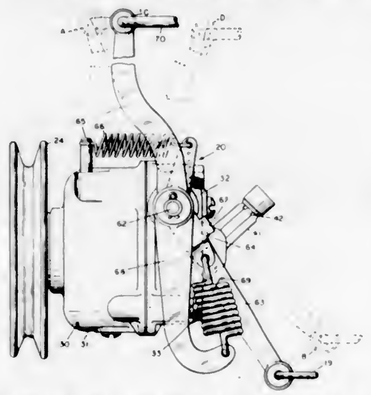
pivotally mounted on a rock shaft, energy storing means operated by the rocking action of said rocking plate for storage of energy during opening movement of the door, said energy being applicable by way of said rocking plate to close the door following opening movement thereof, mechanical connections between said energy storing means and said door including said rocking plate and a linkage for transmitting to said door the rocking motion of said rocking plate, said linkage also serving to impart to said rocking plate a rocking motion in response to opening motion of said door, and means including a second rocking plate rotatable into locking relationship to said first-named rocking plate to prevent any movement of said linkage and door.

2,598,959
ANGLING MEANS FOR DISK HARROWS
Charles H. Youngberg, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application October 8, 1945, Serial No. 620,951
12 Claims. (Cl. 55—83)



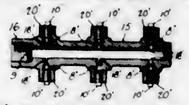
1. In a disk harrow having a drawbar and a part slidable relative thereto, a rigid member pivoted to the forward end of said drawbar, a lever pivoted to said rigid member and connected at one end with said slidable part, and a power unit supported at one end on said rigid member and at the other end on the other end of said lever.

2,598,960
SPEED RESPONSIVE DEVICE WITH MODIFIER
Herman G. Adler, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application February 6, 1946, Serial No. 645,908
6 Claims. (Cl. 264—3)



1. A centrifugal governor for a variable speed prime mover comprising a rock shaft, an arm secured to the rock shaft, means operated by centrifugal force for rocking the shaft in one direction, a lever pivotally supported on said shaft intermediate its ends for swinging movement, means opposing rocking movement of the shaft in the direction aforesaid including a coil spring having the opposite ends respectively connected to adjacent ends of the lever and arm, a second lever supported for swinging movement on said shaft independently of the arm, means movable as a unit with the arm and engageable with the second lever to form a stop for limiting swinging movement of the second lever relative to the arm in the direction aforesaid, and yieldable means for urging the second lever into engagement with the stop means.

2,598,961
IRRIGATION REGULATOR COUPLING
Orrin E. Andrus, Altadena, Calif.
Application December 10, 1945, Serial No. 633,962
6 Claims. (Cl. 137—78)



1. An irrigation system employing the restricted flow of water in a garden hose, comprising a garden hose, a supply line for water to said hose, and a coupling between said hose and supply line and adapted to restrict the flow of water into said hose substantially to a trickle, the body of said coupling having means for securing the same to the end of the hose and having at least one orifice for the flow of water therethrough, and an adjusting member threaded axially into the body and adapted to seat axially thereagainst to adjust the size of the orifice and determine the flow of water.

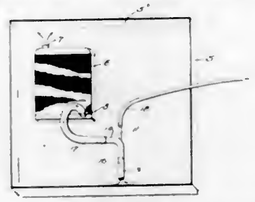
2,598,962
METAL CONTAINER HAVING REINFORCED END SEAM
Marié Anseele, Ghent, Belgium, assignor to Marcel Defauw, Ghent, Belgium
Application February 21, 1948, Serial No. 10,147
In France May 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 27, 1966
2 Claims. (Cl. 220—66)



2. In a drum or similar container having a body portion, an end portion of greater diameter than said body portion and a cover fitting into said end portion of greater diameter; a reinforcing ring located within said container and having one portion extending axially along an inner surface of said body portion, a second portion extending axially along the said end portion of the drum and between the end portion and the cover, and a third portion interconnecting the first and the second portions and extending transversely thereto, said third portion having an inwardly extending portion which is folded upon itself.

2,598,963
AUTOMOBILE RADIATOR CLEANING DEVICE
Paul L. Armstrong, Johnson City, and David B. Pence, Limestone, Tenn.
Application August 15, 1949, Serial No. 110,342
1 Claim. (Cl. 134—102)

A device for cleaning automobile radiators including a main tube open at both ends, means for connecting one end to one end of a radiator to be cleaned, the other end of the main tube being left open to permit fluid to enter the main tube and enter the radiator to move entirely through said radiator, an air tube extending through the wall of the main tube and having its inner end terminating intermediate the ends of the main tube, a cap on the inner end of the air tube, said cap being conical fully from end to end thereof,



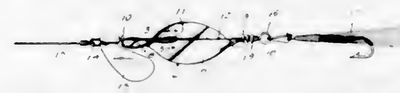
the inner end of the air tube having a fixed, leak-proof connection to the inner surface of the cap, said air tube having openings in its side wall communicating with the interior of the cap and said conical cap adapted to give reverse flow to air discharged under pressure through said openings, the conical cap being spaced from the wall of the main tube so as to induce flow of fluid through the main tube and through the automobile radiator.

2,598,964
AUTOMOBILE DIRECTIONAL SIGNAL
Adolph E. Ashleman, Waco, Tex.
Application August 22, 1949, Serial No. 111,678
2 Claims. (Cl. 116—52)



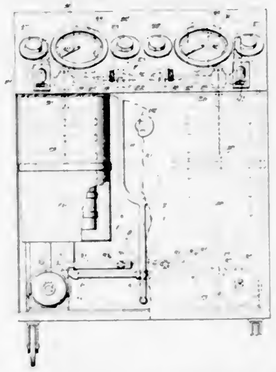
1. In a hand signal for an automobile, the combination comprising a signal mounting, a stationary tube extending through the frame of said automobile and having its outer end anchored in said mounting, a signal housing pivoted for arcuate displacement on the outer end of said signal mounting, a shaft extending transversely through said signal housing, a grooved wheel on said shaft within said housing, a collar rotatable on said shaft and affixed to said housing, a first pulley secured to said collar, a second shaft in said signal housing, a second grooved wheel on said second shaft, a cable operating on said grooved wheels, a signal hand attached to said second shaft for operative displacement into and out of said signal housing, a second housing affixed to the inner end of said tube having spaced apart walls, a second pulley rotatable between said walls, the opposed and foremost edges of said walls being arcuately shaped and having predeterminately positioned abutments formed therein, a signal operating lever attached to said second pulley, a pair of pulleys in said second housing adjacent said second pulley, an endless cable operable on said first pulley, said pair of pulleys and said second pulley through said tube and effective to cause arcuate displacement of said signal hand with respect to said signal housing at twice the speed of said signal housing when said operating lever is actuated, a finger affixed to each side of said lever and engageable selectively with the abutments of the walls of said second housing for predetermining the position of said lever to correspondingly predetermine the position of said signal hand.

2,598,965
FISH LURE
Jack C. Bain, Santa Fe, N. Mex.
Application April 16, 1948, Serial No. 21,348
1 Claim. (Cl. 43—42.2)



An artificial lure comprising an elongated shaft, and a spinner body journaled at its ends on said shaft parallel to its longitudinal axis, said spinner body being spirally twisted on its longitudinal axis and throughout its length, said shaft having a forward end adapted to be connected to a trolling or retrieving line for drawing the lure through the water to cause rotation of the spinner body about said shaft, and a keel member fixed at one end thereof to the shaft and projecting outwardly and rearwardly therefrom, said keel member being disposed in a plane radially of the shaft, and a forward end portion of the spinner body being disposed between the shaft and keel member.

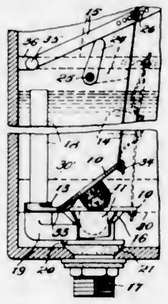
2,598,966
TEMPERATURE REGULATING WATER CIRCULATOR FOR MOLDING PRESSES AND OTHER PURPOSES
Glenn C. Becker, Chicago, Ill., assignor to Vacuum Can Company, Chicago, Ill., a corporation of Illinois
Application May 16, 1950, Serial No. 162,235
4 Claims. (Cl. 219—39)



4. In water heating and circulating apparatus of the class described, the combination of a tank, a water supply conduit connected to said tank and adapted to be connected to a water supply source for delivering water to said tank, thermostatically controlled electrical means for heating water in said tank, outlet and return conduits connected to said tank and adapted to be connected to a temperature controlling chamber, a pump connected in one of said last mentioned conduits for effecting circulation of water from and to said tank through said outlet and return conduits and a temperature controlling chamber or the like to which said conduits are connected

as aforesaid, an air vent connected to an upper portion of said tank and operative to vent gas from said tank without permitting the escape of liquid therefrom, a discharge conduit communicating with said return conduit, a valve in said discharge conduit, means responsive to the temperature of the water returning to said tank for actuating said discharge conduit valve to effect discharge of returning water and, as an incident thereto, delivery of replacement water to said tank through said water supply conduit, and a pressure relief conduit and valve communicating with the upper end portion of said tank.

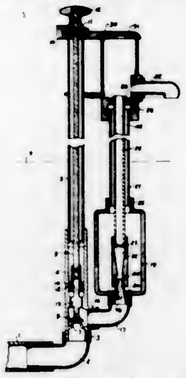
2,598,967
TOILET FLUSH TANK FLOAT VALVE
Samuel Monroe Bennett, Brighton, Colo.
Application May 31, 1950, Serial No. 165,223
2 Claims. (Cl. 4—57)



1. A one piece valve for use in a conventional toilet bowl flush tank having a drain pipe and an overflow tube comprising a flat valve member adapted to be positioned on the upper end of said drain pipe, a collar of resilient material spaced from one edge of said valve member, resilient means connecting the valve member to the collar, said collar adapted to be placed over the overflow tube for positioning the valve member on the drain pipe and adapted to frictionally grip said overflow tube for anchoring the valve member in operative position on the drain pipe, a float mounted on the under surface of said valve member and positioned in the drain pipe with the valve member resting upon the upper end of the pipe and means for actuating the valve member for opening the drain pipe from the upper part of the tank.

2,598,968
HYDRANT
Edward W. N. Boosey, Detroit, Mich.; Olive N. Boosey executrix of said Edward W. N. Boosey, deceased
Application October 24, 1947, Serial No. 781,861
1 Claim. (Cl. 137—13)

A hydrant adapted to be connected with a water supply pipe positioned in the earth below the frost line, comprising a vertical conduit with its lower end connected with said supply pipe and extending to a point above the earth's surface, a valve in the lower end of said vertical conduit, a seat for the valve, a valve stem on said valve extending upwardly through said vertical conduit for opening and closing said valve, said vertical conduit having a fluid outlet above said valve seat, a fluid drain chamber below the frost line and adjacent said valve, a second vertical fluid pipe with its lower end extending into said drain chamber, an ejector for fluid accumulating in said chamber joined to the end of said second vertical conduit within said chamber, and including fluid inlet openings adjacent the lower end of said chamber, a discharge nozzle for said ejector associated with said fluid inlet openings and extending through the bottom wall of said chamber, a coupling pipe interconnecting said valve outlet and nozzle, a plate at the upper end of said first vertical conduit and arranged



normally thereof, a chambered member supported at its upper end by said plate, a fluid outlet pipe at the lower end of said member, the upper end of said second vertical pipe being joined to and extending up through the bottom wall of said member, and an air vent pipe surrounding said second vertical conduit with its upper end secured to said member and with its lower end extending down into said drain chamber establishing air communication therewith.

2,598,969
APPARATUS FOR PLAYING CARD GAMES
Elaine F. Burton, London, England
Application October 5, 1948, Serial No. 52,877
3 Claims. (Cl. 273—148)



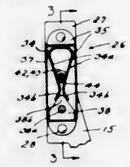
1. Apparatus for playing a card game, said apparatus comprising a first pack of playing cards of which each card is inscribed to represent a vote from a particular geographical territory, the territories varying in the case of different cards, a second pack of playing cards of which each card is inscribed to denote officers of one class to be elected for a particular territory, the territories varying in the case of different cards of said second pack, a third pack of playing cards of which each card is inscribed to denote officers of a second class to be elected for a particular territory, the territory varying in the case of different cards of said third pack, the cards of the said first, second and third packs having the same territory inscriptions, a party-determining device for manipulation by players of the game and which consists of a die having one party inscription on one of its faces, a different party inscription on another face, and the remainder of its faces left blank, and a set of score sheets each of which sheets is divided into four principal columns, one of which columns contains printed inscriptions denoting different territories, said inscriptions being arranged one below another down the length of the column, printed inscriptions at the heads of the other columns denoting respectively different political parties and party points to be scored in the playing of the game, each of the political party columns being subdivided into two secondary columns and printed inscriptions at the heads of said secondary columns pertaining to officers of the first and second class aforesaid.

2,598,970
ATTACHMENT FOR MINING MACHINE ANCHOR JACKS
James C. Buttrick, Scarbro, W. Va.
Application February 17, 1949, Serial No. 77,038
6 Claims. (Cl. 255—53)



1. In a mining machine anchor jack, including an elongated body having means at one end for engaging one of two vertically spaced mine surfaces; an anchor head carried at the opposite end of said body and having a bit-receiving cavity, opening to the exterior adjacent the upper portion of said head, a bit loosely mounted in said cavity with its cutting end protruding through said opening, a transverse fulcrum for said bit, and an adjustable abutment extending into said cavity for engagement with said bit at a point below its fulcrum, to regulate the angle of presentation of said bit to the adjacent mine surface.

2,598,971
WINDSHIELD WIPER MECHANISM
Leroy J. Carey, Cleveland, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application January 4, 1947, Serial No. 720,297
2 Claims. (Cl. 15—250)



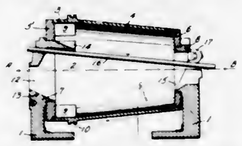
1. In a wiper mechanism, a drive arm member, a blade-supporting saddle member and a fastener device connecting said members and comprising a notched pin on one member adapted to enter a pin-guiding opening in the other member along the axis of the opening, a spring arm carried on said other member and normally extending in intersecting relationship to part of the opening so as to engage the notch of the pin, and a releasing device for the spring arm slidably carried on said other member and arranged to engage the spring arm and move it out of the notch of the pin.

2,598,972
METHOD OF MAKING A COMPOSITE HOLLOW INTERNALLY CEMENT-LINED INTERNALLY GENERALLY CYLINDRICAL OBJECT
Eugene L. Chappell, Shaler Township, Allegheny County, Pa.
Application February 19, 1948, Serial No. 9,406
4 Claims. (Cl. 25—154)



1. In a method of making a composite hollow internally cement-lined internally generally cylindrical object, the steps comprising applying a layer of hydraulic cement to the interior of a hollow internally generally cylindrical object having an internal diameter greater than two feet, disposing a permeable surface within said object, causing a relative bodily turning movement between said object and said permeable surface about the axis of said object to bring said permeable surface successively opposite portions of said object disposed at different locations circumferentially thereof, said turning being effected in such manner as to preclude the development of substantial centrifugal force acting on the hydraulic cement, and pressing said permeable surface against said layer of hydraulic cement and thereby forcing the solids of the hydraulic cement tightly against said portions of the interior of said object and simultaneously expelling water from the hydraulic cement through the permeable surface and thereby bonding the solids of the hydraulic cement together and to the interior of said object to form thereagainst a tenaciously adherent cement lining.

2,598,973
AUTOMATIC CHARGING AND CONVEYING DEVICE
Giovanni Chiaberta, Milan, Italy, assignor to Bolloneria E. Viteria Italiana S. A. R. L. "B. E. V. I.," Milan, Italy
Application October 19, 1948, Serial No. 55,363
In Italy October 23, 1947
2 Claims. (Cl. 10—165)



1. In a machine for feeding headed blanks, the combination of a support, a holder supported by said support and open at the rear end thereof, said holder being adapted to contain a quantity of blanks, means for rotating said holder, said holder being formed by a frusto-conical rotatable body having fixed to its larger end a cylindrical

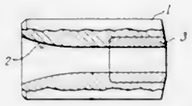
body, means for feeding the blanks to said holder to the cylindrical end, radial plates fixed to the inner wall of the cylindrical body and bringing on rotation of the holder the blanks to their top position in the holder, an inclined plane fixed to the support of the holder, said inclined plane receiving the blanks falling from the top of the holder, a pair of rollers having substantially parallel downwardly directed longitudinal axes, the opposed surfaces of said rollers being spaced apart by a distance such that a headed blank may be supported therebetween by engagement of the enlarged portion, while the part of the headed blank of smaller cross section is directed downwardly between said rollers, said rollers being placed below the previously mentioned inclined plane, means for rotating said rollers so that the opposed surfaces of the rollers rotate in an upward direction, and means for discharging from said rollers any blanks not arranged in the desired manner near the end of the holder of smaller cross section, the holder being so placed that, on rotation thereof, the blanks placed on the bottom of the holder are fed to the cylindrical end of said holder.

2,598,974
GOPHER TRAP
William T. Conrad, Lawndale, Calif., assignor of one-half to Edward Timbs, Los Angeles, Calif.
Application July 19, 1947, Serial No. 762,156
16 Claims. (Cl. 43—80)



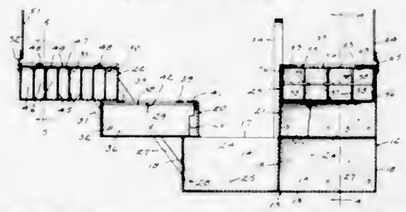
1. A rodent trap comprising: a base member; a rodent engaging member carried on said base member; spring means for normally urging said engaging member away from said base member toward an engaging position; mounting means provided by said base member; retaining means having bearing means removably and detachably carried upon said mounting means of said base member, said retaining means being adapted to be engaged by said engaging member, when sprung, for limiting movement of said engaging member and for binding a rodent thereagainst under the influence of said spring means; and trigger and latch means for holding said engaging member in set position and adapted to be released by the rodent for springing the trap.

2,598,975
TOOL OR DIE AND HOLDER ASSEMBLY
Leland E. Coulter, Ann Arbor, Mich., assignor to Allied Products Corporation, Detroit, Mich., a corporation of Michigan
Application April 2, 1948, Serial No. 18,643
2 Claims. (Cl. 164—58)



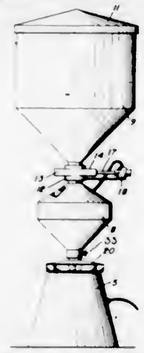
1. A tool or die and holder assembly having in combination a holder of metal having a socket and a tool or die mechanically and longitudinally press-fitted into said socket, one of said members being so tapered that the tool or die is befor the press fitting considerably greater oversize at the opening of the socket than at the bottom of the socket whereby the compressive force on the die or tool tends to uniformity along their entire length, the oversize of the tool or die with respect to the socket being of the order of approximately five thousandths of an inch at the opening of the socket and one thousandth of an inch at the base of the socket in an assembly where the die is substantially one inch in diameter and in length and constructed of high speed tool steel and the holder is constructed of chisel steel.

2,598,976
SEWING BOX
Thomas C. Cox, Manhattan, Kans.
Application January 16, 1948, Serial No. 2,721
4 Claims. (Cl. 223—107)



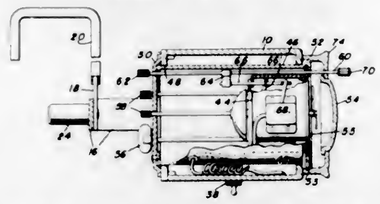
1. The combination with a sewing box having an open top, of an insert for the box including a top wall, depending side and end walls and a plurality of depending partitions forming a unit removably receivable in said box, said top wall having a plurality of apertures communicating with the compartments formed by the side and end walls and partitions, said end walls and partitions being provided with a plurality of aligned openings, and a plurality of rods extending through said aligned openings and each adapted to support a plurality of spools of thread, one within each of said compartments, said apertures being adapted to form passageways for the thread from said spools whereby the thread can be drawn off of the spools while the unit is applied to the box.

2,598,977
AUTOMATIC POULTRY FEEDER
Allan L. Dale, Salt Lake City, and James B. Furnace, Draper, Utah; said Dale assignor to said Furnace
Application November 12, 1948, Serial No. 59,522
2 Claims. (Cl. 119—56)



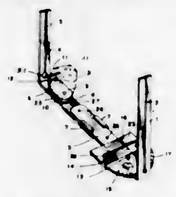
1. In a poultry feeder, a hopper having a discharge tube extending downwardly from its bottom and supporting the hopper, said tube having a lateral dispensing opening, a vertically adjustable measuring tube mounted in the discharge tube in position to open and close the opening to regulate the volume of feed discharged from the hopper, a scatterer rotatably mounted on the discharge tube below the opening to receive feed therefrom, and operating means for the scatterer.

2,598,978
BED LAMP WITH ALARM CLOCK
Roger R. De Martin, Windsor, Ontario, Canada, assignor of forty-five per cent to Mary De Martin, Windsor, Ontario, Canada
Application May 29, 1950, Serial No. 164,940
3 Claims. (Cl. 58—19)



1. An attachment for a bed, comprising a horizontally elongated casing having trunnions on the ends thereof, an attachment bracket pivoted on said trunnions and having hooks to engage a head board of a bed, windows in one side of said casing, at least one lamp in said casing behind said windows, and an alarm clock in said casing having a dial visible on said one side of the casing, the alarm mechanism of said alarm clock having a release member, a switch in an electric circuit leading to one of said lamps, said release member being connected with said switch to close said switch when the alarm mechanism is conditioned for operation, said clock being rotatable as a unit about an axis normal to said dial to facilitate the reading of the clock in different positions when the casing is pivoted on said trunnions.

2,598,979
MITER GAUGE
Bertram C. Denney, Chicago, Ill.
Application January 17, 1950, Serial No. 139,077
3 Claims. (Cl. 143—89)



1. In a miter gauge, a pair of gauge members, each comprising a guide arm longitudinally slotted to form a saw guide and a bracket arm at right angles to said guide arm with its longitudinal axis lying in the plane of the saw-guiding-slot, and an attaching clip on each of said gauge members, each such clip comprising a plate lying upon and pivoted to the bracket arm of its respective gauge member on an axis perpendicular to such bracket arm and having a wing standing in a plane perpendicular to said plate said wing having means for attaching it to the edge of a board lying on said bracket arms, and means connecting the bracket arms of said gauge members in longitudinal telescoping relation to each other.

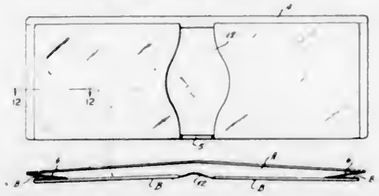
2,598,980
MAGNESIA CEMENT PRODUCTS AND THEIR MANUFACTURE
Paul S. Denning, Joliet, Ill., assignor to F. E. Schundler and Company, Incorporated, Joliet, Ill., a corporation of Illinois
No Drawing. Application February 26, 1949, Serial No. 78,679
6 Claims. (Cl. 106—86)

1. The method of making a magnesia cement product comprising magnesium oxide and a magnesium salt selected from the group consisting of magnesium chloride and magnesium sulphate and containing no free or uncombined amounts of said salt, which method comprises making a slurry of magnesium oxide and a solution of one of said salts and having such ratio of oxide to salt as to leave no free salt in the product and containing substantially no solid aggregate, incorporating therein about 2% or less of a foam forming agent selected from the group consisting of hydrolized protein and non-ionic wetting agents, agitating the slurry to entrain air therein to provide a moldable cement comprising a voluminous foam wherein the walls of the foam bubbles comprise a uniform film of said cement, said air bubbles absorbing substantially no salt solution thereby rendering all of the said solution available for reaction with the magnesium oxide, the said salt solution being of greater concentration than would be possible if the cement embodied solid aggregate equivalent in volume to that of the air bubbles in said cement, and then molding the cement containing the air bubbles.

2,598,981
MAGNESIA CEMENT PRODUCTS AND THEIR MANUFACTURE
Paul S. Denning, Joliet, Ill., assignor to F. E. Schundler and Company, Incorporated, Joliet, Ill., a corporation of Illinois
No Drawing. Application February 26, 1949, Serial No. 78,680
4 Claims. (Cl. 106—86)

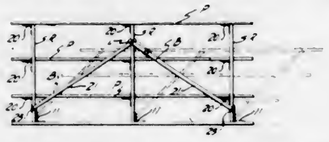
1. The method of making thermal insulating material comprising an insulating aggregate bonded with a magnesia cement which evolves a substantial amount of heat on setting, which method comprises mixing magnesium oxide, an aqueous solution of a magnesium salt selected from the group consisting of magnesium chloride and magnesium sulphate, and a small amount of a foaming agent to form a cementitious slurry, said foaming agent being capable of forming said slurry into an unstable cementitious foam, converting said slurry into such a foam, mixing such cementitious foam with a volume of insulating aggregate in granular form to distribute the foam over the surfaces of the granules of the aggregate, and then molding the mixture, the volume of aggregate being of the order of six times greater than the volume of granules of aggregate which could be covered and bonded by the same cementitious slurry in unfoamed condition, said foam persisting until after the completion of mixing with the aggregate and then collapsing, and then lightly pressing the molded material to bring the granules into efficient bonding contact, the amount of aggregate being sufficient to absorb and dissipate the heat evolved on setting of the cement without development of temperatures which would damage the cement.

2,598,982
STITCHLESS AND HIDDEN STITCH EXPANSIBLE BILLFOLD
Orla S. Elliff, Joplin, Mo., assignor to The Meeker Company, Inc., Joplin, Mo., a corporation of Missouri
Application May 26, 1950, Serial No. 164,577
3 Claims. (Cl. 150—38)



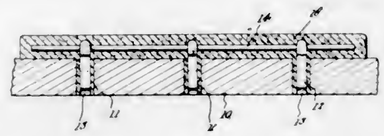
1. A billfold provided with a main pocket open along its upper edge and extending for substantially the full length and depth of the billfold, and with a pair of end pockets with their openings opposed to one another and spaced apart so that the billfold may be folded with one end pocket superimposed on the other, said billfold including a sheet of flexible material having a panel portion of substantially the size of said main pocket and with depending portions folded upwardly to approximately the top margin of the main pocket of the billfold and thence folded inwardly and downwardly to approximately the bottom of said main pocket, each end of said panel portion formed with an inwardly directed tab secured to said inwardly and downwardly folded portion of the adjacent end pocket along a line spaced inwardly of the end edge of the latter to form an extensible connection inwardly of each end of the main pocket.

2,598,983
COLLAPSIBLE STAND
Walter C. Ellis, Los Angeles, Calif.
Application June 30, 1949, Serial No. 102,330
5 Claims. (Cl. 20—1.126)



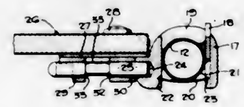
4. A collapsible stand which includes: a plurality of laterally spaced vertical risers having recessed steps on the upper portion thereof; front and back horizontal skids extending normally to said risers and passing therebeneath in a common plane; a plurality of parallel platforms extending across said riser steps and spaced apart from front to back whereby they may be moved vertically to be in a common plane; a plurality of hinges pivotally connecting said risers to said skids and platforms, said hinges joined with said platforms being on opposite sides of said risers to said hinges joined with said skids, whereby said risers are pivoted for unidirectional downward swinging, and when erected cooperate with said platforms and skids to provide a series of corner-braced box-like frames; two elongated braces, with each of said braces being pivotally mounted on the rearward face of one of the outermost of said risers and being of a length to extend convergently upward and joining at a common central point; and means supported at said common central point engaging said braces and holding said risers against downward swinging and being disengageable from said braces whereby said risers are freed and are foldable downwardly in a single fold to collapse said risers, skids and platforms to be substantially in three mutually parallel planes, and said stand is compactly positioned for storage.

2,598,984
REINFORCED PLASTIC PATCH FOR WALLS
Frederick M. Eslick, Auburn, Ala.
Application October 29, 1946, Serial No. 706,459
5 Claims. (Cl. 72—28)



1. An improved patch for repairing a cracked wall comprising a cotter key having an expansible eye with resilient relatively movable legs depending therefrom and extending into a socket in the wall, a wedge having its narrower end received between the legs without initially spreading the same, said wedge having its wider end supported in the socket to resist movement of the same while the cotter key is driven over the wedge, said legs being spread by the wedge and in frictional contact with the opposite walls of the socket, a reinforcing rod extending through said eye, and a body of plastic patch material extending about the rod and key and over the cracked wall.

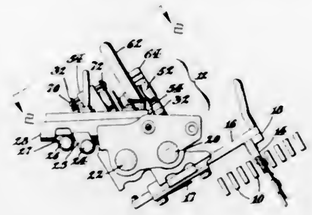
2,598,985
ADJUSTABLE LEG REST FOR WHEEL CHAIRS
Herbert A. Everest and Harry C. Jennings, Los Angeles, Calif.
Application February 4, 1950, Serial No. 142,372
10 Claims. (Cl. 155—171)



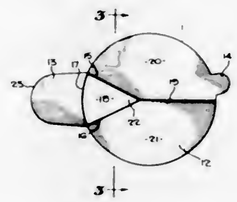
1. In combination with the foot rest support of an invalid's wheel chair, a leg rest mounted thereon so as to be engageable by the back of the leg of the user, said leg rest being rotatably mounted upon said support for pivotal movement about a transversely extending axis between limits.

2,598,986
FRICTION BOX STRUCTURE FOR STRAIGHT KNITTING MACHINES
Charles R. Fegley, Laureldale, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application December 22, 1950, Serial No. 202,232
11 Claims. (Cl. 66—126)

1. A friction box for a knitting machine comprising pairs of upper friction shoes and pairs of lower friction shoes facing each other for applying pressure to a friction rod and shoes of each pair arranged one after the other along the rod, springs arranged to contact upper surfaces of said shoes for applying pressure thereto, and means for applying pressure to said springs and for transmitting it also to the lower ones of said shoes to clamp said rod between upper and lower sets of shoes and comprising a member channel-shaped in transverse section and which is in contact with the bottoms of the lower shoes and extends upward on both sides thereof to a level above said springs, an equalizer member resting on said springs and free to turn about an approximately central transverse axis but guided against movement longitudinally of said channel-shaped member, and a cam for pressing downward on said equalizer.

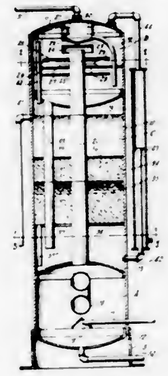


2,598,987
SPOON COVER
Gilbert E. Franzen, Garden Grove, Calif.
Application March 15, 1949, Serial No. 81,571
3 Claims. (Cl. 229—43)



1. A cover for use with a food container comprising: a flat cover member having a contour for edge engagement with said container; score lines on the inner face of said cover member converging inwardly from the edge of said member to form a triangular sector; a single score line extending across the inner face of said cover member from the vertex of said converging lines to cooperate therewith and facilitate an inward folding of said member to form a handle; a transverse score line on said cover member extending between the spaced ends of said convergent score lines; and an integral acutely curved element extending from the edge of said cover member between the spaced ends of said convergent score lines, and inwardly defined by said transverse score line, said element being deflectible from the plane of said member along said transverse score line to a displaced position disposing said element entirely within said container, said element being movable from said displaced position to an operating position substantially aligned with the initial plane of said score lines in response to folding of said member to form a handle, and said element having a curvature induced thereacross by said folding to resist deflection from said operating position.

2,598,988
EMULSION TREATING METHODS AND MEANS
Clarence O. Glasgow, Tulsa, Okla., assignor to National Tank Company, Tulsa, Okla., a corporation of Nevada
Application May 1, 1948, Serial No. 24,651
12 Claims. (Cl. 183—2.7)



1. The method of treating oil well emulsions which includes, first passing the emulsion stream through an initial heated washing zone containing a body of heated water the emulsion stream being passed in contact with said water, and therein heating the emulsion to its highest temperature, then elevating the emulsion in a segregated path through bodies of water and oil into a segregated zone and therein releasing gas, then carrying the emulsion downwardly through a degassing zone above all water zones without added heat and thoroughly agitating the emulsion back and forth to remove gas, then conducting the emulsion in a segregated path downwardly through a second body of water of lower temperature than the washing zone and having no connection with said zone and discharging said emulsion into said second body of water and therein separating water from the emulsion, then conducting oil upwardly through said second body of water, releasing water from said second body of water, and then carrying off the oil.

2,598,989
THIOSULFENYL DITHIOCARBAMATES AS FUNGICIDES
Lyle D. Goodhue, Bartlesville, Okla., and Winston M. Florence, Manhattan, Kans., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 24, 1950, Serial No. 151,814
13 Claims. (Cl. 167—22)

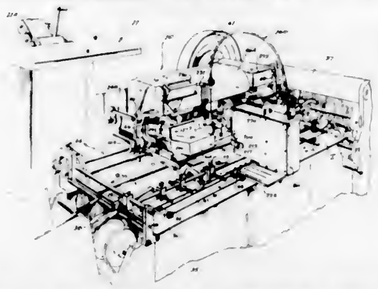
1. A fungicidal composition having as an essential active ingredient, in a concentration of 0.1 to 1000 parts per million in an inert solvent, a thiosulfenyl dithiocarbamate selected from the group consisting of N,N-dimethyl-S-tert-butylthiosulfenyl dithiocarbamate, piperidine-S-tert-butylthiosulfenyl dithiocarbamate and N,N-diethyl-S-tert-butylthiosulfenyl dithiocarbamate.

2,598,990

PRINTING MACHINE

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application February 17, 1945, Serial No. 578,507
7 Claims. (Cl. 235—61.9)



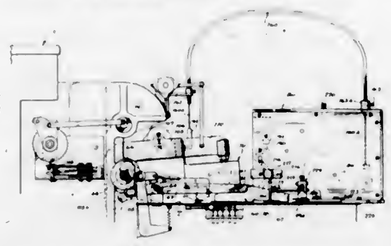
2. In a machine of the character described, a frame affording a table top, a sheet guideway extended along said table top, means for separating and feeding sheets into said sheet guideway at one end thereof, means for advancing such a sheet along said sheet guideway, stop finger means adapted to be disposed in an operative position to stop the movement of such a sheet with the sheet disposed in a predetermined operating position in said sheet guideway, means for sensing data representations in such a sheet while the sheet is located in said operating position, printing means for making a printed posting impression on a predetermined area of such a sheet while such a sensing operation is being performed by said sensing means, accumulator mechanism set up under control of said sensing means and rendered operative to perform an accumulating operation when said accumulating mechanism has been set up by said sensing means, and means operable when a predetermined number of sheets have been passed through the machine to stop operation of said sheet feeding, sensing and printing means, and to initiate a total taking operation of said accumulator.

2,598,991

PRINTING MACHINE

Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Original application February 7, 1945, Serial No. 578,507. Divided and this application March 25, 1950, Serial No. 151,969
5 Claims. (Cl. 101—334)



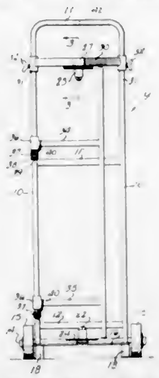
2. In a posting unit of the character described, a housing having parallel side walls and a base plate terminating short of one end of the side walls to afford an open bottom for said housing adjacent said one end, an inking pad disposed in an upper position of said housing near said one end and in a downwardly facing relation, an operating rocker pivoted between said side walls and extending toward said one end, actuating means for imparting rocking movement to said operating rocker, a printing element having a printing face and a supporting rock shaft means extended therefrom in opposite directions parallel to the printing face of said element, said rocker having spaced arms adjacent said end of said housing and said arms having slots formed longitudinally thereof and embracing said rock shaft means for moving said printing element up and down when said rocker is actuated, said side walls having generally arcuate guide slots formed therein and embracing said ends of said rock shaft means to move said printing element generally endwise of the housing as an incident to up and down movement of said printing element, a slide rod mounted on said printing element and extended perpendicular to said printing face, a rocking bar mounted for rocking movement on an axis substantially coinciding with the axis of said guide slots, said rocking bar having a bearing opening slidably embracing said slide rod and cooperating therewith to reverse the position of said printing element as an incident to rocking movement of said operating rocker to engage the printing face of said element with said inking pad when said element is in its upper position and to face said element downwardly as said element is moved downwardly through a printing stroke.

2,598,992

PAPER DISPENSER

Marion H. Gordon, Storm Lake, Iowa

Application September 2, 1949, Serial No. 113,829
3 Claims. (Cl. 242—55.5)



1. In a portable paper roll holder, a frame comprising a pair of vertical laterally spaced parallel side members, an upper cross member connected to and extending between the upper ends of said side members, a lower cross member connected to and extending between the lower ends of said side members, said lower cross member comprising a horizontal plate projecting forwardly from said side members, an upwardly directed lower flanged spindle centered on said plate, foot means depending at the outer edge of said plate for engaging the ground, laterally spaced wheels mounted on the lower end of said frame and positioned rearwardly therefrom for engaging the ground in conjunction with said foot means to support said frame in an upright position with said plate parallel to the ground,

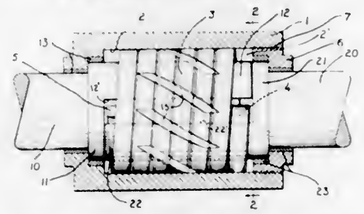
sleeves slidable along upper portions of said frame side members, a forwardly projecting arm rigidly secured to each of said sleeves, means connecting the forward ends of said arms together, a downwardly directed upper flanged spindle on said means in vertical alignment with the lower spindle, and releasable locking means operating between said sleeves and said frame side members for locking said upper spindle at selected elevations above said lower spindle.

2,598,993

TORQUE TRANSMITTING DEVICE

Stanley F. Gorske, Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio

Application July 31, 1948, Serial No. 41,742
5 Claims. (Cl. 192—8)



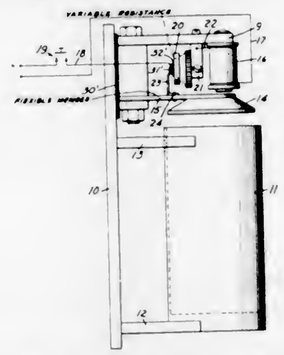
3. An operatively integral helical coil friction spring member embodying a plurality of approximately uniform diameter helical coils adapted to change diameters in response to an actuating coiling force received by an end coil thereof, coils of said spring member intermediate the end coils being of effectively reduced cross section and thereby relatively flexible as compared to both end coils, whereby said intermediate coils will undergo a greater diametral change than the coil at the end opposite the coil receiving the actuating force.

2,598,994

ELECTROMAGNETICALLY OPERATED SIGNAL PRODUCING RESONATOR DEVICE

Russell A. Gougeon, Altadena, Calif.

Application July 28, 1949, Serial No. 107,251
1 Claim. (Cl. 177—7)



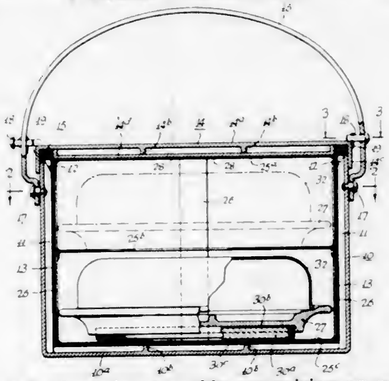
In a signal device, a support member, a resonator tube spaced from said support member and supported by the latter, a flexible metal reed, a relatively heavy body member carried by said reed and mounted for movement toward and away from said tube for producing an audible signal, an electro-magnet electrically connected to a source of electrical energy for moving said reed and the body member in one direction, a variable resistance electrically connected to said electromagnet, a line connecting said resistance to a source of electrical energy, and an arm carried by said reed for causing a variation in the flow of current through said resistance and the electromagnet when the weight of said body member overcomes the pull of the latter, which current variation results in the vibration of said reed and the body member carried thereby.

2,598,995

FOOD CARRIER ASSEMBLY

Christian F. Graff, Mechanicsburg, Pa.

Application February 14, 1949, Serial No. 76,303
5 Claims. (Cl. 126—375)



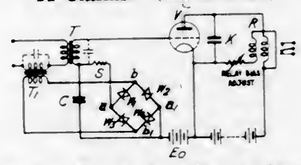
1. A food carrier assembly comprising an outer cylindrical pail, a bail pivotally attached to said pail, a plurality of vertical ribs radially secured around the inner periphery of said pail, a cylindrical liner adapted to slide into the pail in contact with said ribs, spacing means on the bottom of the pail to provide air space between the bottom of the liner and the pail, a lid for the pail, said lid having an upper and a lower surface in spaced relation to provide thermal insulation therebetween, an annular gasket around the periphery of said lid, said gasket being of sufficient width to seal both the pail and the liner, and means in the bail for retaining said lid and gasket in sealed relation with the pail and liner.

2,598,996

ELECTRIC CARRIER WAVE SIGNALING SYSTEM

Kenneth Whiteley Harrison, London, England, assignor to Telephone Manufacturing Company Limited, West Dulwich, London, England

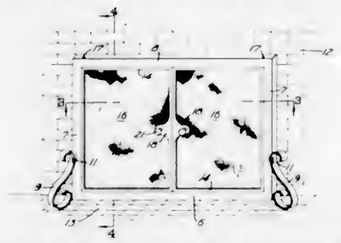
Application May 7, 1946, Serial No. 667,823
In Great Britain May 28, 1945
11 Claims. (Cl. 250—27)



1. A receiver for an impulse carrier wave signal of varying amplitude comprising a vacuum

tube having a cathode cooperating with an input electrode and an output electrode, means for impressing said signal upon said input electrode and a load device connected to said output electrode, and means impressing between said control grid electrode and said cathode a steady bias potential substantially suppressing conductance through said tube in the absence of a signal on said input electrode, means operative by a received signal of more than preselected amplitude to reduce the bias potential of said input electrode in accordance with the amplitude variations of said signal; said last mentioned means comprising a condenser shunted by resistance means and effectively connected between said cathode and input electrode, and said resistance means having a non-linear and negative impressed voltage-resistance characteristic, whereby the bias established on the input electrode by a signal is maintained after the cessation of said signal and is established at a new value by the next received signal of amplitude different from that of the said bias-establishing signal.

2,598,997
PORTABLE FIRE SCREEN
Joseph R. Hyman, Oakland, Calif.
Application January 16, 1946, Serial No. 641,461
2 Claims. (Cl. 126—202)



1. A portable firescreen having an upright rectangular frame comprising a channel-section bottom member adapted to rest on a hearth, traversing the opening of a fireplace and having the flanges thereof facing said opening, angle-iron side members secured to and rising from the opposite ends of said bottom member, said side members each having a flange extending toward and adapted to engage the vertical front surface of said fireplace, a channel-section top member secured to and extending between the upper ends of said side members, said top member having a flange extending toward and adapted to engage the vertical front surface of the fireplace, brackets adapted to engage said hearth and attached to said side members and lying in planes which angularly intersect frontal and side vertical surfaces of the frame, pivot pins carried by the top and bottom members adjacent the junctions with the side members, doors engaging said pivot pins and movable to selectively uncover and close said fireplace opening, and a seal strip carried by the lower flange of said frame bottom member and adapted to engage the hearth within said opening.

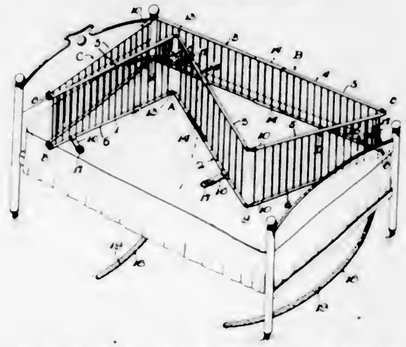
2,598,998
ARTIFICIAL DENTURE
Nathan Kaplan, Atlanta, Ga.
Application September 4, 1951, Serial No. 244,870
3 Claims. (Cl. 32—4)

1. In a denture which includes an upper plate and a lower plate, means for aligning the upper and lower plates comprising a loop carried by the lower plate adjacent each side thereof, and a guide tooth carried by the upper plate adjacent each side thereof for entrance into the loop on the adjacent side of the lower plate, each loop



having a notch therein opening through the top thereof and a guide pin carried by each guide tooth and projecting laterally therefrom for entrance into the notch in a loop.

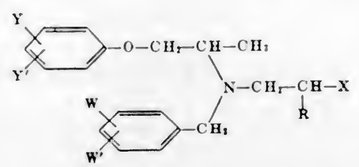
2,598,999
CRIB ATTACHMENT FOR BEDS
Paul C. Kelly, Rehoboth Beach, Del.
Application January 7, 1948, Serial No. 1,001
2 Claims. (Cl. 256—25)



2. A collapsible enclosure device erectable to form an oblong rectangular structure, comprising, in combination, opposite rigid unitary end panels of the same width, side panels each including a short section and a long section hingedly connected at their inner ends, the short and long sections being diagonally opposite each other in said side panels, corner hinge means connecting the outer ends of the short sections with diagonally opposite corners of the end panels, and means for connecting the long sections of the side panels with the other diagonally opposite corners of the end panels; said last named means including, a spacing member connected with each of said long sections and a collapsing hinge whose axis connects the inner end of said member with the related end panel and becomes an extension of the end panel when the structure is erected, and whereby, in collapsing said structure, the inner ends of the short and long sections of the side panels may be manually moved inwardly and directed toward said spacing member to bring all of the connected sections of both side panels and the end panels into parallel relation between said end panels to compactly collapse the entire structure.

2,599,000
N,N-DISUBSTITUTED-BETA-HALO-ALKYLAMINES
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 2, 1950, Serial No. 183,093
6 Claims. (Cl. 260—570.7)

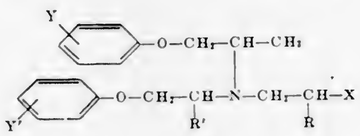
1. A compound of the class consisting of a free base and its acid addition salts, the free base having the formula:



in which Y and Y′ are members of the group consisting of hydrogen, alkyl containing not more than 4 carbon atoms, benzyl, hydroxy, methoxy, benzyloxy, fluorine, chlorine and bromine; W and W′ are members of the group consisting of hydrogen, methyl, methoxy and chlorine; R is a member of the group consisting of hydrogen and methyl; and X is a member of the group consisting of chlorine and bromine.

2,599,001
N,N-DISUBSTITUTED-BETA-HALO-ALKYLAMINES
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 2, 1950, Serial No. 183,094
6 Claims. (Cl. 260—570.7)

1. A compound of the class consisting of a free base and its acid addition salts, the free base having the formula:

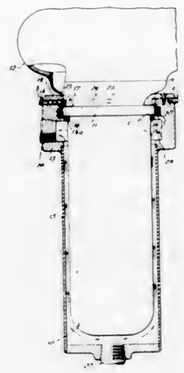


in which Y and Y′ are members of the group consisting of hydrogen, alkyl groups containing not more than 4 carbon atoms, hydroxy, methoxy, and chlorine; R and R′ are members of the group consisting of hydrogen and methyl; and X is a member of the group consisting of chlorine and bromine.

2,599,002
METHOD FOR WORKING AND HEAT-TREATING A COPPER BASE ALLOY
John F. Klement, Milwaukee, Wis., assignor to Ampco Metal, Inc., Milwaukee, Wis., a corporation of Wisconsin
No Drawing. Application September 20, 1948, Serial No. 50,243
11 Claims. (Cl. 148—11.5)

5. The method of heat treating a worked aluminum bronze alloy having an aluminum content of from 7.0 to 10.5% and of high wear resistant characteristics to impart ductility thereto, which comprises subjecting said alloy to a high temperature soak of approximately 1600° F., gradually reducing said temperature to a predetermined temperature above the range of temperatures for eutectoid transformation to permit a maximum amount of alpha to precipitate, and thereafter quenching said alloy to prevent formation of the eutectoid phase.

2,599,003
MOUNTING FOR ARTICLES
George H. Leonard, Noroton Heights, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application October 16, 1947, Serial No. 780,285
5 Claims. (Cl. 248—361)

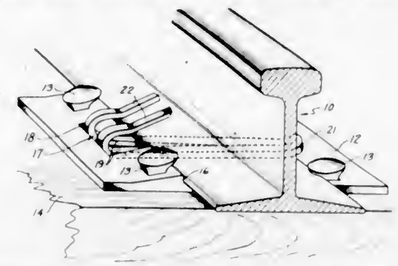


1. A mounting for an article having an outwardly projecting circumferential collar spaced inwardly from one end of the article, which comprises an annular body, a circumferential shoulder extending inwardly from the wall of the body in an opening through the body, the opening having an inner diameter larger than the outer diameter of the collar and the shoulder having an inner diameter greater than the outer diameter of said end of the article and less than that of the collar, an internal circumferential channel in the wall of the opening in the body between the shoulder and the outer end of the body, the bottom of the channel forming a circumferential seat, a resilient packing ring of toroidal form lying partially within the channel against the seat, the ring having a thickness less than the width of the seat and an internal diameter greater than the outer diameter of said end of the article and less than that of the collar, a resilient retainer ring mounted at the outer end of the body to surround the opening through the body, the ring being collapsible to overlie the collar of an article in the mounting, a locking ring mounted on the body for angular movement and encircling the retainer ring, and cam means operable by movement of the locking ring to collapse the retainer ring, the collar lying within the packing ring, when the collar is between the shoulder and the retainer ring.

2,599,004
ANTICREEPER RAILWAY RAIL
Vergil M. Lutz, Springfield, Ohio
Application November 8, 1947, Serial No. 784,846
7 Claims. (Cl. 238—315)

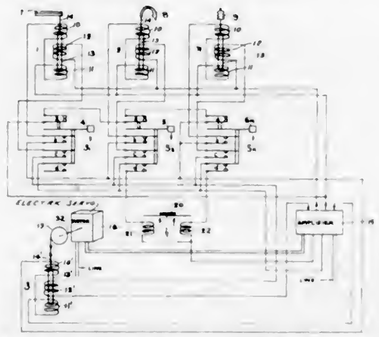
1. An anti-creeper for railway rails, comprising a one-piece length of spring metal having an angular shape in cross-section, said length of metal being bent at approximately its medial point to form a pair of substantially parallel fingers, the ends of said fingers being bent back upon themselves in spaced relation to the fingers and in parallel relation to each other, and said ends being spread apart in a manner to impart

a set twist to the overlapping portions of said fingers and the ends thereof causing each to



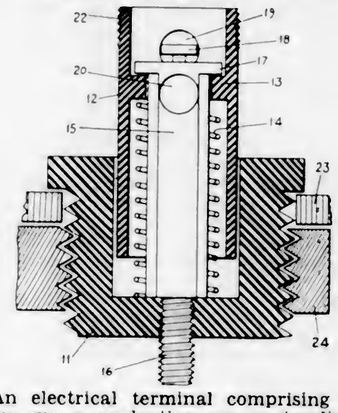
present to the other oppositely disposed angle portions.

2,599,005
PLURAL SCALE INDICATOR
William Dean Macgeorge, Havertown, and Charles E. Roessler, Jr., Philadelphia, Pa., assignors to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 7, 1948, Serial No. 19,486
11 Claims. (Cl. 177—351)



1. A multiple indicator comprising a circuit network, plural means in the network for operative association respectively with a plurality of variables, a plurality of selector circuit controllers in the network, an electric servomotor in the network and arranged to be operated by any selected one of said plural means when the appropriate selector circuit controller is actuated, a viewing screen, an indicator having a plurality of rows of calibrations in mutually spaced relation transversely of the rows, means mounting the indicator in driven relation to said motor to move the indicator substantially in the line of said rows to a setting in which a selected scale of said plurality is positioned as a function of the condition of a given selected variable determined by actuation of a given selected controller, light means for projecting a portion of all of said scales simultaneously from said indicator toward said viewing screen in a beam of larger transverse area than said screen, said light means including means for predetermining and varying the angle of incidence of said projected beam relative to said screen so that selectively any single selected scale of said plurality can be made incident on said screen, and electrical means operatively associated with said last means and controlled by said given selected controller to cause the angle of incidence of the projected beam to be such relative to the screen that the said selected scale of the plurality is incident on said screen.

2,599,006
UNIVERSAL TYPE SPRING-PRESSED BINDING POST
Albert Nicholas Andrea Melchior, London, England, assignor to A. C. Cossor Limited, London, England, a company of Great Britain
Application February 24, 1948, Serial No. 10,487
In Great Britain November 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 20, 1965
2 Claims. (Cl. 173—259)

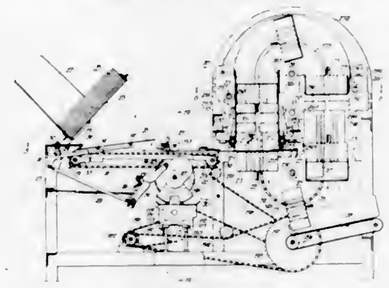


2. An electrical terminal comprising an insulating cup, a conducting core upstanding from the base of said cup and provided at the upper end thereof with a terminal portion of reduced transverse dimension adapted to be gripped by a spring clip, said core being apertured transversely at a portion near said upper end and being provided with a laterally extended flange disposed between said transversely apertured portion and said terminal portion, an open-ended insulating sleeve surrounding the upper portion of said core including said laterally extending flange and said terminal portion and having its lower end projecting within said cup, the upper end of said sleeve being adapted for permitting insertion therein of said spring clip to grip said terminal portion of reduced transverse dimension, said sleeve extending above the upper end portion of said core and being transversely apertured near the upper end thereof, an internal flange formed below said aperture in said sleeve and surrounding said core below said laterally extending flange and being adapted to abut said laterally extending flange to limit the upward axial movement of said sleeve, and a compression spring surrounding said core, having its lower end seated in said cup and its upper end bearing against said internal flange, and urging said internal flange into abutment with said laterally extending flange.

2,599,007
21-HALOCHOLADIENES
Charles Meystre and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application April 16, 1947, Serial No. 741,954. In Switzerland April 30, 1946
10 Claims. (Cl. 260—397.3)

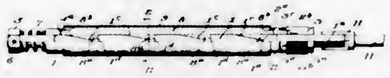
1. A $\Delta^{20,23}$-21-halogen-choladiene.

2,599,008
BOX FORMING MACHINE
Charles E. Palmer, Somers, Conn., assignor to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application November 8, 1949, Serial No. 126,189
22 Claims. (Cl. 93—51.1)



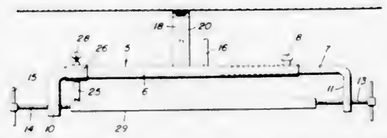
3. Box making apparatus of the class described, comprising a mandrel, means for moving said mandrel along a predetermined path of travel, means for positioning a box blank in said path of travel, whereby said mandrel is operative to engage and carry said box blank along said path of travel, an opposed pair of folders positioned adjacent opposite sides of said path of travel for folding wall forming portions of said box blank into wall position over opposite side portions of said mandrel as an incident to the movement of said mandrel along said path of travel, fluid actuated means for inwardly folding tongues which extend from the ends of one of said wall forming portions of said box blank, means for timing the operation of said tongue folding means with reference to the movement of said mandrel, and means supporting said pair of folders for adjustment toward and from each other to thereby adapt the apparatus to the making of boxes of various sizes, said tongue folding means being mounted on the supporting means for one of said folders and adjustable therewith as aforesaid.

2,599,009
HONE
John J. Palotsee, Youngstown, Ohio
Original application December 6, 1946, Serial No. 714,459. Divided and this application September 16, 1949, Serial No. 116,085
4 Claims. (Cl. 51—184.3)



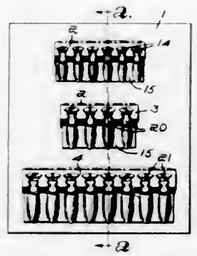
3. An adjustable hone, comprising a spindle of substantially uniform cross-sectional size and shape throughout its length and having an annular series of spaced aligned grooves therein having their bottoms inclined in the same direction and disposed at the same angle to the axis of the spindle; an annular series of blades around the spindle having their inner faces conforming with the shape of the spindle, each blade having a series of axially disposed aligned ribs on its inner face engaging the sides and bottoms of their related grooves, said ribs having their inner faces inclined in the same direction as and at the same angle as the bottoms of the grooves; said series of blades when in fully retracted position forming a substantially cylindrical surface, means yieldably maintaining the blades positioned around the spindle while permitting the blades to be simultaneously shifted axially of the spindle to vary the diameter of the hone; an abrasive member carried by the blades; and said abrasive member comprising stone hone sections secured to their respective blades and together forming a cylindrical abrasive surface when the blades are fully retracted.

2,599,010
ROTATABLY SUPPORTED ADJUSTABLE PAINTER'S WORK HOLDER
Kalman Pernitz, Milwaukee, Wis.
Application September 9, 1949, Serial No. 114,878
1 Claim. (Cl. 144—299)



A work holder comprising a U-shaped clamp, said clamp being formed of two extensibly connected tubular L-shaped members, means on one of said L-shaped members for rotatably suspending said clamp and a work piece therein from a support, work-clamping screws which are axially aligned with respect to each other and carried at the ends of the clamp for engaging the side edges of the work piece, means for releasably locking said members in selected positions to vary the distance between said screws, a collar slidably and rotatably carried by one of said L-shaped members, means carried by the collar and holding the same in slidable and rotatably adjusted position on said one member, and a stop carried by the collar and including a pair of resilient arms having free end portions adapted to contact the workpiece on one surface thereof to prevent rotative movement of the workpiece about the axis of said screws.

2,599,011
DISPLAY CARD FOR TAPED SCREWS
Harvey F. Phipard, Jr., South Dartmouth, Mass., assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass., a corporation of Massachusetts
Application November 15, 1949, Serial No. 127,282
2 Claims. (Cl. 206—79)



1. As a new article of manufacture, a display card in combination with a plurality of headed fasteners, a predetermined number of said fasteners being united by two continuous tapes partially enclosing the shank portion of each fastener, said tapes being united between adjacent fasteners, said display card having an integral

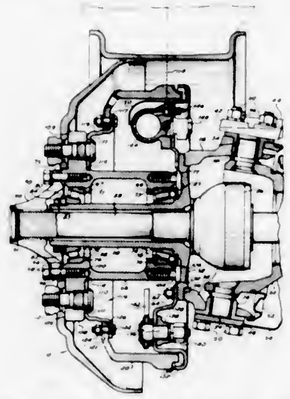
slotted flap formed therefrom, said flap being provided with a plurality of slots in spaced relation corresponding to the spaced position of the shanks of the fasteners in said tapes, each slot being of less area than that of the head of a fastener, whereby a series of taped fasteners may be simultaneously applied to the slots in the flap of the display card, while the shanks are held united by said tapes.

2,599,012
DOUGHNUT MAKER
Samuel J. Popell, Chicago, Ill., assignor to Popell Bros., Inc., Chicago, Ill., a corporation of Illinois
Application December 9, 1949, Serial No. 132,064
9 Claims. (Cl. 107—14)



4. A doughnut maker comprising, in combination, a receptacle adapted to receive a batch of dough through one end and converging in cross-sectional area from said one end progressively and smoothly toward the other end, said other end having a circular discharge opening the marginal edge of which defines a valve seat, a coaxial circular cut-off valve disk having a generally conical upper face mounted for movement axially into and out of coacting engagement with said seat and adapted when engaged therewith to close said opening and when out of engagement with said seat to define therewith an annular valve outlet through which an annulus of dough will exude by force of gravity to form an incipient doughnut blank, and means operable at will for effecting movement of said disk into closed position whereby to sever and drop said incipient blank.

2,599,013
HUB AND BRAKE ASSEMBLY
William L. Pringle, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application December 15, 1950, Serial No. 200,970
2 Claims. (Cl. 301—6)



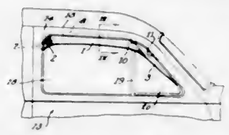
1. In a vehicle wheel structure wherein the same hub and the same brake drum may be incorporated in axles having either dual wheel or single wheel assemblies, a spindle, a hub, means for mounting said hub rotatably on said spindle in either of two end-for-end reversed positions, an external radial wheel attachment flange on said hub, a brake drum having both end openings larger than said wheel attachment flange and a mounting flange surrounding one of said openings, bolting faces on opposite ends of said hub and on said wheel attachment flange, all of said bolting faces being normal to the axis of rotation of the hub, an annular adapter member secured at its inner periphery to one of said bolting faces, and a flange on the outer periphery of said adapter member secured to the inner side of said drum mounting flange in either position of said hub, whereby upon removal of the wheel assembly from said attachment flange the brake drum may be detached from said adapter member and moved outwardly over said wheel attachment flange without removing the hub.

2,599,014
WEATHER SHIELD FOR AUTOMOBILE WINDOWS
George A. Pritchard, Atlantic Beach, Fla.
Application April 12, 1950, Serial No. 155,417
10 Claims. (Cl. 296—44)



1. A shield for automobile windows comprising a body proportioned to extend along the top end of an automobile door, downwardly extended end portions on said body, a downturned and narrow longitudinal flange on said body terminating short of said end portions and engaging over and free of attachment to said top end, and tabs at the outer ends of the respective end portions extending outwardly from said body a distance greater than the distance said flange extends outwardly from said body, said tabs being adapted for rigid attachment to a door, said end portions being otherwise unflanged and being freely bendable longitudinally thereof for substantially their full lengths.

2,599,015
SHIELD FOR AUTOMOBILE WINDOWS
George A. Pritchard, Atlantic Beach, Fla.
Application April 12, 1950, Serial No. 155,418
5 Claims. (Cl. 296—44)

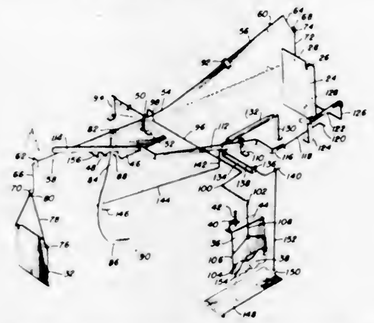


1. A shield for automobile windows comprising a body proportioned to extend along the top edge of the channel of an automobile window casing, front and rear end portions on said body to extend downwardly along opposite side edges of said channel, the inner edge of the rear end portion being bowed outwardly at a location spaced from the rear end of said rear end portion, and said rear end portion at said edge to be disposed closely adjacent the rear upper corner of the window casing means on said body and rear end portion adapted to engage in said channel, there being notches in one edge of the body and front end portion adapted to fit around the division post and pivot shaft of the window, and means for securing said body and end portions to said casing adjacent the channel.

2,599,016
REFINING SOYBEAN LECITHIN
Herbert Otto Renner, Des Plaines, Ill., assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 16, 1947, Serial No. 755,022
4 Claims. (Cl. 260—403)

1. A process of refining commercial soybean lecithin, which process consists essentially of extraction of said lecithin with a material selected from the group consisting of 2-methoxy ethanol and 2-ethoxy ethanol, and the removal of the extract from the residue.

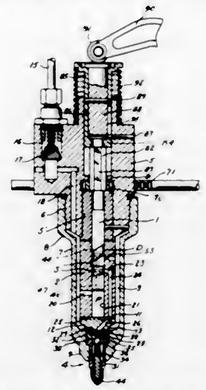
2,599,017
RATTRAP
Frank E. Rogers, Patton, Pa.; Josephine Rogers, executrix of said Frank E. Rogers, deceased, assignor to herself individually
Application April 8, 1948, Serial No. 19,829
8 Claims. (Cl. 43—61)



1. A trap comprising a cage including a forward panel, a rear panel and side panel, a forward door slidably carried by the forward panel, a rear door slidably carried by the rear panel, means operatively connecting the doors to each other for simultaneous opening and closing movements of the forward door and rear door, means for holding the forward door and rear door in a normal open position, a trip mechanism for releasing the holding means, a gravity actuated locking mechanism for holding the doors in a locked position, and a side door connected to the locking mechanism for releasing the locking mechanism upon opening of the side door.

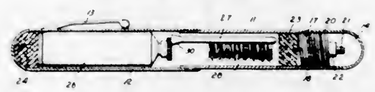
2,599,018
FUEL INJECTOR
Gardiner M. Rogers, Ithaca, N. Y.
Application July 26, 1946, Serial No. 686,269
3 Claims. (Cl. 103—41)

1. In a fuel injector pump, a valving and pumping plunger and a pump cylinder cooperating therewith to form a pressure chamber having inlet and outlet ports, means for reciprocating the plunger, a fuel delivery duct in the cylinder forming the principal outlet port and which is opened to the pressure chamber by a valving portion of the plunger during the pressure stroke thereof to start injection, a pressure-control, restricted fuel by-pass orifice in the cylinder wall communicated with the pressure chamber by another valving portion of the plunger, said second valving portion, operating immediately before the first



mentioned valving portion operates to start injections substantially to seal the chamber against outlet of fuel therefrom whereby to produce a sharply increasing energy-storing pressure in the chamber.

2,599,019
SHAVING OR TOOTHBRUSH OUTFIT HOLDER AND CONTAINER
Paul S. Rupert, Curundu, C. Z.
Application August 31, 1950, Serial No. 182,545
7 Claims. (Cl. 132—80)

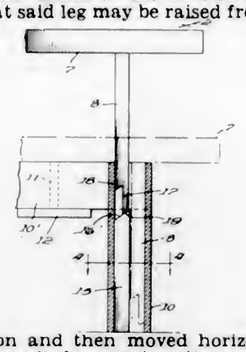


1. A fountain pen size personal cleaning implement outfit holder and container comprising a cylindrical body barrel open at one end, a closure cap arranged to be detachably secured over the open end of said body barrel, a threaded shaft extending from the tail end of said body barrel, said body cap being arranged to receive an implement cooperating paste tube, said body barrel being arranged to receive and contain personal cleaning implement parts, one of which has a threaded aperture therethrough complementary to said threaded shaft, whereby said threaded shaft may cooperate with the assembled implement parts to provide a complete personal cleaning implement, and a moisture absorbent means mounted within said holder and container.

2,599,020
VERTICALLY ADJUSTABLE TABLE
Alden L. Safstrom, South Gate, Calif.
Application May 31, 1951, Serial No. 229,139
4 Claims. (Cl. 311—39)

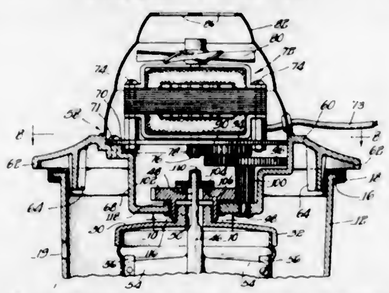
1. A cooperating table top carried leg and means for mounting said leg at various heights comprising a tubular boot which is rectangular in cross section, and a table leg supporting vertical post located within and extending along a side portion of said boot, said post being beveled across its upper end with a bevel which is upwardly inclined in relation to the space within the boot alongside said post, and the table top carried leg which cooperates with said boot having an acutely

angular recess in one side of its lower end portion, said recess fitting over the point portion of the beveled part of said post to support said leg, the lateral extent of the recess in the leg being less than the width of the beveled part of said post, so that said leg may be raised from its afore-



said position and then moved horizontally to a position where its lower extremity is seatable upon said beveled end of said post, the lower extremity of said leg being beveled at the same angle as the upper end of said post so as flatwise to abut the latter.

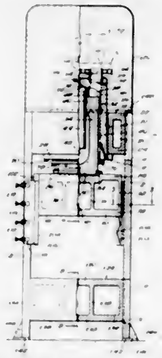
2,599,021
PORTABLE ICE-CREAM FREEZER
Ford Se Bastian, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1950, Serial No. 142,497
9 Claims. (Cl. 259—53)



1. A portable ice cream freezer comprising a deformable resilient outer casing, an inner container for an ice cream mix, means in said container for stirring the ice cream mix, driving means for causing relative motion between said container and said stirring means, frame means supporting said driving means, and arcuate, dependent flange means on said frame means and engageable with the wall of said outer casing, the faces of said flanges contacting the side wall of said casing being diametrically spaced a distance differing from the normal diameter of the casing wall where contacted whereby to displace said casing wall from its normal position to grip said flanges.

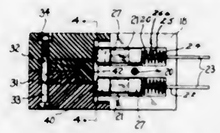
2,599,022
FABRICATED PRESS
Robert K. Sedgwick, Oak Park, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 18, 1948, Serial No. 15,532
9 Claims. (Cl. 100—71)

1. A fabricated press frame comprising spaced substantially vertical flat side panels having substantially parallel, mutually facing inner surfaces respectively, the respective panels having elongated slots therethrough extending lengthwise thereof in a generally vertical direction and interrupting said surfaces, a cylinder support substantially rectangular in form and having flat faces in engagement with respective surfaces, said faces extending substantially from front to rear and substantially from top to bottom of said support, and said support being entirely disposed between the planes of said surfaces, vertical welds in each slot at opposite margins thereof securing the related panel to said support from top to bottom of its related face, other vertical welds along the front and rear edges of each panel securing it to said support from top to bottom of its related face, the respective panels having other elongated slots therethrough interrupt-



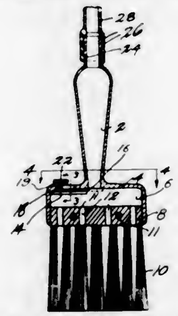
ing said surfaces and extending lengthwise of said panels in a generally vertical direction, a substantially rectangular stationary platen having flat faces in engagement with respective surfaces, said platen being entirely disposed between said planes, the last mentioned faces extending substantially from front to rear and substantially from top to bottom of said platen, a vertical weld at opposite margins of each of the second mentioned slots securing the related panel to said platen from top to bottom of its related face, and vertical welds along the front and rear edges of each panel securing it to said platen from top to bottom of its related face, and means on said support for attaching an associated hydraulic cylinder thereto, said surfaces defining a work receiving opening extending from front to rear of the frame between said support and said platen.

2,599,023
AUXILIARY FUSE-CONTAINING MULTIPLE OUTLET ELECTRICAL CONNECTOR
Roger T. Shaul, Columbus, Ohio
Application December 11, 1950, Serial No. 200,173
3 Claims. (Cl. 200—115.5)



2. In a fuse-containing auxiliary electrical receptacle; a first dielectric casing section formed with a pair of spaced parallel bores opening at one end thereof; a pair of spaced parallel terminal prongs extending outwardly from the opposite end of said first section and having an end portion thereof disposed within said bores; fuse means occupying each of the bores of said first section and movable longitudinally thereof; conductor means positioned in said bores between said fuse means and said terminal prongs; spring means carried in said bores and arranged to urge said fuse means outwardly of said bores and out of electrical connection with said prongs; a second dielectric casing section formed with a plurality of relatively spaced channels extending from one end to the other of said second section and terminating at one end of said second section in a plurality of prong-receiving openings; a plurality of electrical conductors positioned within the channels of said second casing and extending from the prong-receiving openings thereof to the opposite end of said second section; and cooperative locking means provided on each of said sections for detachably uniting said first and second sections in longitudinally aligned order and for bringing said fuse means into electrical connection with said electrical conductors and with said terminal prongs.

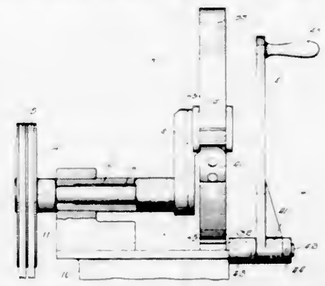
2,599,024
FOUNTAIN PAINTBRUSH
Mark Soss, Spokane, Wash.
Application August 9, 1947, Serial No. 767,730
1 Claim. (Cl. 15—128)



A paint brush having a tubular handle terminating in a top wall forming part of a frame, a bottom opening in the frame, a perforated bristle base removably secured in the bottom opening of the frame, said frame and base defining an interior chamber, a pair of opposed ribs in the frame spaced from each other and from the top wall of the frame, a flat cut-off valve slidable in the chamber, the valve being at the lower end of the tubular handle for valving a flow from said handle into said chamber and being supported by said ribs, an operating button for the valve, a pin connecting said valve and said button, a slot in the top wall of the frame, said pin passing vertically through said slot positioning said button exterior of the top wall of the frame, bristles in said base, and an upper nipple on the handle, said nipple being connectable by a flexible hose to a paint supply.

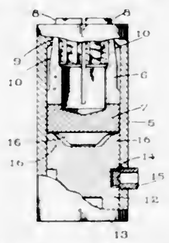
2,599,025
METHOD OF WORKING THE INNER SURFACE OF A HOLLOW BODY
Jacob J. Stampen, Hollywood, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application December 3, 1948, Serial No. 63,382
7 Claims. (Cl. 51—290)

1. The method of working the inner circumferential surface of a milker pail having a substantially circular side wall containing a substantially circular butt-welded seam and having a small opening of a diameter less than one-half the diameter of the pail in the top wall of the pail and offset from the center thereof, comprising: positioning the pail on an elbow-shaped working tool that comprises a rotatable driven shaft within the pail arranged at substantially right angles to the plane of the seam and substantially concentric to the seam, driving means operatively connected thereto and including a portion extending through said opening in the pail and to the driven shaft, and collapsible working



means mounted on the driven shaft for rotation therewith and normally bearing against said inner surface for operation thereagainst during rotation of the driven shaft, the collapsible working means and the driven shaft and adjacent driving means having diameters, widths and lengths such that when the working means is in a collapsed state the pail may be readily slipped thereover; clamping the pail in said position; and rotating the driven shaft and associated working means with the working means in contact with the inner surface of the pail at the seam.

2,599,026
WRENCH HAVING AXIALLY CAMMED COLLET
William B. Strayer, Miamisburg, Ohio
Application March 26, 1949, Serial No. 83,599
1 Claim. (Cl. 81—112)



In a device of the class described, a holder provided with a longitudinally extending tapered opening, a tapered nut-engaging socket positioned in the opening and provided with resilient jaws contractible by relative longitudinal movement of the socket and the tapered opening, a wrench-receiving member mounted in the opposite end of the holder for rotation about the longitudinal axis of the holder, means connecting said holder and said wrench-receiving member to prevent axial movement of said wrench-receiving member during its rotation, and a pair of spaced cams projecting from each confronting end of the nut-engaging socket and the wrench-receiving mem-

ber, said spaced cams being engageable upon rotation of the wrench-receiving member in either direction in order to impart a longitudinal movement to the nut-engaging socket.

2,599,027

SOLUBLE COPOLYMERS OF TRIS-2-ALKENYL ACONITATES AND 2-ALKENYL ALCOHOLS

Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 15, 1948, Serial No. 21,319

7 Claims. (Cl. 260—78.5)

1. An organic solution of an unsaturated acetone-soluble interpolymerizate of monomers consisting of a molar equivalent of triallyl aconitate with at least one molar equivalent of allyl alcohol.

2,599,028

SOLUBLE INTERPOLYMERS OF TRIS-2-ALKENYL ACONITATES, 2-ALKENYL ALCOHOLS, AND OLEFINIC-BENZENES

Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application April 15, 1948, Serial No. 21,321

7 Claims. (Cl. 260—78.5)

1. A product which is an unsaturated acetone-soluble interpolymerizate of monomers consisting of from 1 to 0.4 molar equivalents of a tris-2-alkenyl aconitate from the class consisting of triallyl aconitate and trimethallyl aconitate, 6 to 0.1 molar equivalents of a 2-alkenyl alcohol from the class consisting of allyl alcohol and methallyl alcohol, and 5 molar equivalents of a monomeric olefinic-substituted benzene selected from the class consisting of styrene, alpha-methylstyrene, p-methylstyrene, p-methoxystyrene, p-chlorostyrene, o,p-dichlorostyrene, p-trichloromethylstyrene, p-fluorostyrene and p-trifluoromethylstyrene.

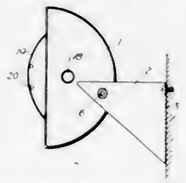
2,599,029

ELECTRIC HEATER

Charles H. Turner, San Francisco, and Karl E. Koefoed, Aptos, Calif.

Application August 8, 1949, Serial No. 109,148

4 Claims. (Cl. 219—34)



1. An electric heater comprising a pair of semi-circular end pieces arranged in spaced and registering relation and having inwardly presented, registering circular flanges near the periphery thereof and inwardly presented, registering parabolic flanges spaced from the circular flanges, all the flanges being made to stop short of the straight edges of the end pieces, a semi-cylindrical housing secured upon the outer faces of the circular flanges and having ends projecting beyond the flanges and curled to form longitudinal beads, a parabolic reflector secured upon the inner faces of the parabolic flanges and having its ends projecting beyond the flanges and curled to form longitudinal beads set back slightly with respect to the former beads, a resistor tube supported in the reflector with its axis substantially in the focus of the reflector, means for connecting opposite ends of the tube into an electrical circuit for heating the tube, and a pair of vertically disposed and outwardly curved shields arranged adjacent the end pieces and shaped for anchoring between the beads.

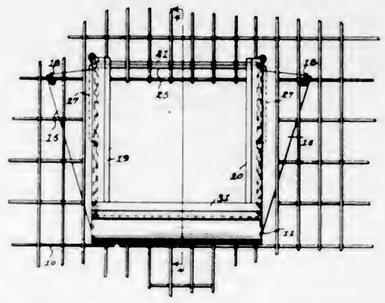
2,599,030

AUTOMATIC ANIMAL FEEDER

Gordon L. Westby, Deerfield, Wis.

Application November 28, 1947, Serial No. 788,616

1 Claim. (Cl. 119—18)



In an animal feeder for attachment to a wire cage, a bottom portion divided at the middle line thereof with the portions of the bottom portion on opposite sides of the middle line extending upwardly from the middle line, first and second parallel overlapping end portions projecting upwardly from each of the end edges of said upwardly extending portions, a panel positioned between said end portions and mounted for swinging movement about a horizontal pivot shaft, stop means on said end portions for limiting swinging movement of said panel, a fin extending from the outer edge of the first end portions for attaching said feeder to said wire cage, said pivot shaft pivotally connecting said panel to the second of said end portions, and a flange projecting from the upwardly extending portion of the bottom portion connected to the second of said end portions and adapted to be connected to a portion of said wire cage for maintaining said feeder immobile.

2,599,031

BUCKLE

Paul W. White, New Haven, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware

Application June 27, 1951, Serial No. 233,763

7 Claims. (Cl. 24—194)



7. A slide buckle comprising, a frame, a slide for cooperation with said frame, said frame and said slide having side-bars and cross-bars defining strap receiving openings therethrough to receive a strap, said frame side bars comprising side walls extending rearwardly of the face of said frame and inwardly turned slide supporting shoulders extending therealong, one of said frame cross-bars having a strap attaching portion positioned substantially in the plane of said shoulders and end portions inclined upwardly from said strap attaching portion, whereby thread on said strap attaching portion is prevented from riding upwardly onto said end portions, said slide having rearwardly extending projections thereon which are spaced apart by a distance greater than the width of said strap attaching portion and are positioned to strike the inclined end portions of said one frame cross-bar, thereby to retain said slide within said frame for sliding movement along said shoulders while preventing said slide from striking thread positioned on the strap attaching portion of said one frame cross-bar, one of said slide cross-bars having a strap engaging portion extending out of the plane of said slide for cooperation with another of said frame cross-bars to clamp in adjusted positions a strap threaded through said openings, said slide having a second cross-bar serving as a pull-up bar to effect movement of said slide to clamping position when tension is applied to a strap threaded through said openings and having a portion extending out of the plane of said slide in the same direction as said strap engaging portion thereof to prevent the insertion of a strap between said second slide cross-bar and said other frame cross-bar.

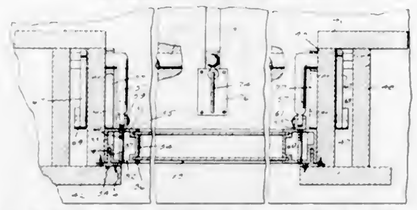
2,599,032

WINDOW OPERATOR

Herbert Widen, McKeesport, Pa., assignor of one-half to Harry W. Levy, McKeesport, Pa.

Application April 15, 1948, Serial No. 21,151

4 Claims. (Cl. 268—111)



1. A window construction comprising a window frame, a sash mounted in said frame, means swivelably supporting said sash, and operating means in said frame connected with said supporting means for rocking the latter from a sash closing position to a sash opening position, said supporting means including transverse swivel members disposed outwardly of said sash, a pair of oppositely disposed and connected bellcranks having one arm thereof journalled in said frame and the other side thereof pivotally secured to one of said swivel members whereby rocking of the connected bellcranks is effective to swing said sash free of the frame for swiveled movement about said swiveled members.

2,599,033

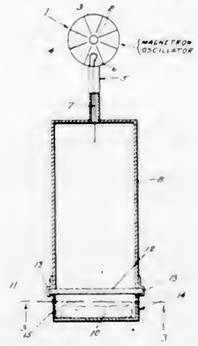
HIGH-FREQUENCY APPARATUS

Norman R. Wild, East Natick, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application November 15, 1946, Serial No. 709,987

3 Claims. (Cl. 219—47)

1. In a microwave cooking device, a hollow metallic wave guide having an open end, means for supplying microwave energy to said guide, means for supporting an energy-absorbing body closely adjacent the open end of said guide to receive energy therefrom, said body producing vapors when the same is heated, and a vitreous masking member covering the open end of said guide, said member being substantially transparent to microwave energy and being positioned between said body and the open end of said guide, and said supporting means being provided with openings for allowing said vapors to escape therefrom, said opening being less than one-eighth of a wave length of the frequency of said microwave energy.



2,599,034

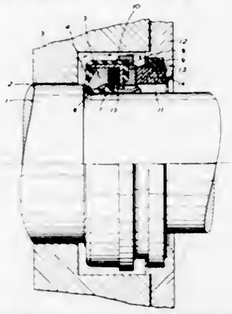
SEALING MEANS BETWEEN ROTATING AND NONROTATING MACHINE PARTS

Samuel Clifford Walter Wilkinson, Burnham, England, assignor to Crane Packing Limited, Slough, England

Application October 5, 1948, Serial No. 52,818

In Great Britain October 9, 1947

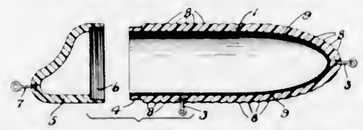
6 Claims. (Cl. 286—11)



1. Liquid sealing means as between a rotary member and a stationary member, such as the shaft of a pump or compressor and a wall thereof, said sealing means comprising a stationary sealing ring, a substantially U-shaped flexible ring embracing said shaft to rotate therewith and having its convex surface at the bend thereof exposed to the liquid, a sealing ring riding upon the rim of the outer wall of said flexible ring and opposed face to face to said stationary ring, a ring located partly in the annular cavity inside said flexible ring and embracing the inner annular wall thereof and located partly beyond said cavity and wall and directly embracing the shaft so as to rotate therewith, spring means

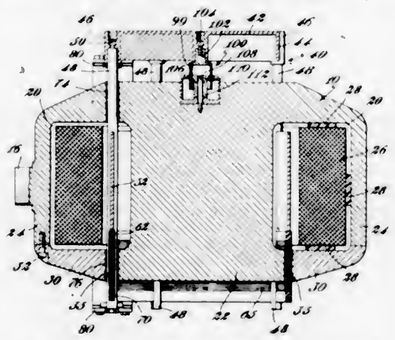
also located inside the said annular cavity and bearing longitudinally in one direction toward said riding ring to urge it against said stationary ring and bearing in the opposite direction longitudinally against an abutment forming part of the aforesaid ring that is located partly in said annular cavity, and a rigid supporting ring shaped and located inside the cavity of the U-shaped flexible ring to prevent the outer annular wall of the latter from collapsing by the external pressure of the liquid upon it.

2,599,035
FISH BAIT
Dee A. Wing, Brooks Township, Newaygo County, Mich.
Application August 25, 1947, Serial No. 770,344
2 Claims. (Cl. 43—42.33)



1. A fish bait comprising a body including separable head and rear portions, said rear portion being hollow and transparent and having a wall of generally uniform thickness, the interior surface of said wall being smooth and the exterior thereof having a multiplicity of lenses convex at their outer sides substantially covering the rear portion, in which the focal distance of said convexities forming the lenses is slightly greater than the thickness of the body of the wall, and a removable and replaceable insert in the body having the outer surface thereof in close proximity to the inner side of the wall and adapted to carry a selected pattern at its outer surface, the focal point of said lenses being a slight distance within the outer pattern on the outer side of an insert, whereby light striking against said pattern is reflected therefrom through the walls of the body.

2,599,036
ELECTRODYNAMIC RECIPROCATION APPARATUS
Philip C. Efromson and Robert C. Lewis, Winchester, Mass., assignors to The Calidyne Company, Winchester, Mass., a copartnership
Application December 14, 1950, Serial No. 200,861
15 Claims. (Cl. 172—126)



1. A vibration generator comprising a core structure having an air gap, coil means for magnetizing the core structure to introduce a high flux concentration across said gap, an armature assembly carrying a table at one end thereof so that the table is positioned without said core structure upon the opposite side thereof from said gap, said assembly also including an electrical coil located in said air gap and a plurality of spaced elongated connecting members disposed about the periphery of said table and extending through said core structure to support said coil, and flexure means extending between said structure and said assembly for limiting the travel of said assembly so that the coil is constrained to move axially without lateral contact with the core structure.

2,599,037
QUICK-DISMOUNTABLE COWLING
Roy H. Anderson, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application July 26, 1947, Serial No. 763,833
20 Claims. (Cl. 123—41.59)

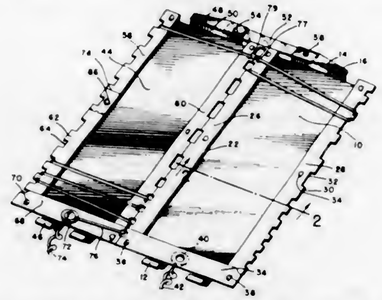


1. A ring cowling for aircraft divided longitudinally into a plurality of complemental, individually form-sustaining segments, and for mounting upon at least two fixed supports for each segment, all located interiorly of the ring cowling in position for engagement each with its own segment alone, cooperating quick-releasable securing means carried by each segment and engageable with the corresponding fixed supports to resist axial movement of each individual segment, to restrain circumferential movement of each segment, and to restrain radial movement of each segment, relative, in all cases, to the engine but not relative to the other segments, and quick-releasable securing means upon the several segments, interengageable directly between the segments across their longitudinal junctures but independently of the supports, to mutually resist radial movement and to reinforce each the others in opposing axial and circumferential movement.

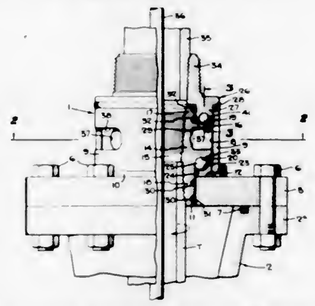
2,599,038
TOASTER HEATING ELEMENT
Leonard E. Aske, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application November 19, 1949, Serial No. 128,343
2 Claims. (Cl. 219—19)

2. A heating element comprising a pair of reflector plates, connecting means mounting the plates side by side in spaced coplanar relation,

said connecting means consisting of a single cross member located at only one end of the plates and secured thereto, the other end of each plate having a projecting lug for engagement with a support, the adjacent edges of the plates and the edge of each plate opposite said adjacent edges having relatively narrow integral flanges offset in a common plane spaced from the plane of the plates, a strip of insulating material mounted on each flange and having a notched edge projecting outwardly beyond the flange, and an electrical heating resistance wound back and forth across one face of one plate and then back and forth across the corresponding face of the other plate and supported by the notched edges of the strips at opposite edges of each plate, the main intermediate length of the resistance between the strips being spaced from the plate and supplying heat both by direct radiation and by reflection from the plate, the reflector plate being free of insulation between the flanges.

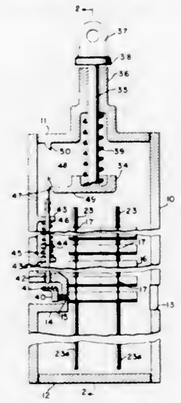


2,599,039
ROTATABLE TUBING HANGER
Jack F. Baker, Long Beach, Calif.
Application October 27, 1947, Serial No. 782,412
15 Claims. (Cl. 166—14)



1. In a tubing hanger: means forming a base with a through opening; means forming a circular well on said base, defining thereon a shoulder about said opening; a tubular hanger member for supporting the tubing having an intermediate flange within said well, cooperating with said shoulder to rotatably support said member; closure means for the upper end of said well, cooperating with said flange to restrict upward movement of said member, said closure means having an opening communicating with said tubing through said member and adapted for connection with a conduit; and means sealing about said hanger member to prevent escape of well fluid, said flange having thereon means engageable to rotate said hanger member, said circular well means having a passage through a wall thereof for access by driving means to engage said engageable means.

2,599,040
SAMPLE-TAKING AND CASING-PERFORATING APPARATUS
Clyde E. Bannister, Houston, Tex.
Application November 8, 1947, Serial No. 784,903
9 Claims. (Cl. 89—1)



1. Apparatus for operating upon a wall in an earth boring, said apparatus comprising a frame structure adapted to be lowered in the boring, suspension means for so lowering it, means for firing a succession of projectile cartridges at a single firing position on said frame, resilient means supportingly interposed between the said suspension means and the said frame structure for supporting the latter from the former through said resilient means, and step-by-step feeding means mounted on the frame structure and actuated by relative movement of the frame structure and said suspension means, with change of stress in said resilient means, for bringing the cartridges in succession to the said firing position, the said frame structure and the said means defined as being mounted upon it both applying stress to said resilient means by reason of their weight and, by reason of their inertia, varying their strain upon said resilient means in accordance with manipulation of said suspension means.

2,599,041
APPARATUS FOR ENLARGING AND STRAIGHTENING WELLHOLES
Clyde E. Bannister, Houston, Tex.
Application November 20, 1947, Serial No. 787,143
3 Claims. (Cl. 255—4.4)

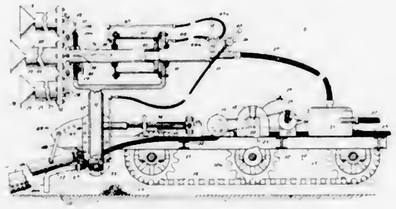
1. Apparatus for enlarging and thereby straightening a previously drilled well hole, said apparatus comprising two oppositely tapered wall-engaging members of vertically elongated form, means for holding the two substantially in vertical alignment with their larger ends adjacent each other and in relatively rotatable relationship, each of the two said members being tapered to its end farthest from the other of the two said members, means for lowering and raising the assembly in the well hole, means for effecting rotative movement of one of said members in relation to the other, and means for conducting fluid to and discharging it from a low part

of the lower member, each of the two members being externally of fluted form for enlarging the



hole while permitting upward flow of the fluid between the flutes.

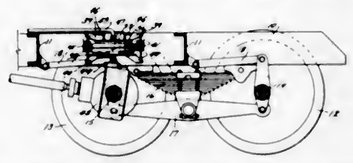
2,599,042
EXCAVATING APPARATUS
Clyde E. Bannister, Houston, Tex.
Application December 30, 1947, Serial No. 794,597
4 Claims. (Cl. 262—7)



1. An excavating machine comprising a vehicle, bit means mounted thereon in position for displacing earth material in advance of the vehicle, power means on the vehicle for actuating the bit means, and means on the vehicle for delivering water to the earth material being operated upon by the bit means, the bit means comprising a gang of bits, a mounting common to the bits, and means for so supporting the mounting that it can be fixedly held selectively in different rotative positions about a vertical axis, about a horizontal axis transverse to the vehicle, about an axis extending fore-and-aft of the vehicle, and at different elevations, in relation to the vehicle.

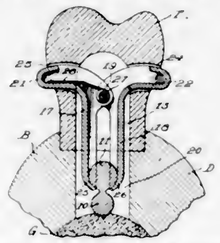
2,599,043
WEIGHT-SHIFTING DEVICE FOR DUAL AXLE VEHICLES
Raymond C. Bissell, Denver, Colo., assignor to Timpte Bros., Inc., Denver, Colo., a corporation of Colorado
Application October 26, 1950, Serial No. 192,225
2 Claims. (Cl. 180—22)

1. In a vehicle of the type having a driving axle and a non-driving axle positioned parallel to each other, means for transferring weight from the non-driving axle to the driving axle to increase the tractive effort of the latter when desired, comprising: tilting load beams extending between said axles; means for placing the weight of a vehicle on said beams intermediate their extremities; a fluid expanding device positioned over the driving axle; means for expanding said device downwardly into contact with said driving axle to transmit a portion of the load of said vehicle



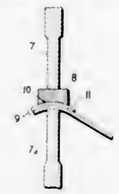
thereto, said tilting beams acting to relieve said non-driving axle of that portion of the load; and a conical cap member mounted on said driving axle and positioned to receive the downward thrust of said fluid-expanding device.

2,599,044
ARTIFICIAL DENTURE AND RETAINER THEREFOR
John E. Brennan, Chicago, Ill.
Application January 3, 1949, Serial No. 68,949
14 Claims. (Cl. 32—2)



1. The combination with a denture, of means for retaining the denture in firm engagement with a gum, comprising an arcuate bar, means directly engageable with the gum for securing the bar thereto, and clamp means pivotally supported in the denture in a position to releasably engage said bar.

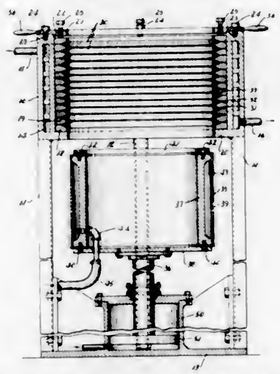
2,599,045
RESISTANCE WELDING PROCESS
George R. Brolaski, San Diego, Calif., assignor to Rohr Aircraft Corporation, Chula Vista, Calif., a corporation of California
Application September 12, 1950, Serial No. 184,428
4 Claims. (Cl. 219—4)



1. A welding machine for resistance welding the laminations of a workpiece together comprising, in combination: upper and lower welding electrodes composed of material having a high electrical conductance and spaced apart to receive the workpiece between them; and a long protective strip composed of the same material as the welding electrodes in contact with the top of

the workpiece and extending beyond both sides of the upper electrode a distance at least as great as the diameter of the tip of the said electrode, and the thickness of the said strip being greater than the thickness of said workpiece.

2,599,046
VULCANIZING ANNULAR ARTICLES
Ferdinand F. Brucker, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 29, 1947, Serial No. 788,893
3 Claims. (Cl. 18—6)



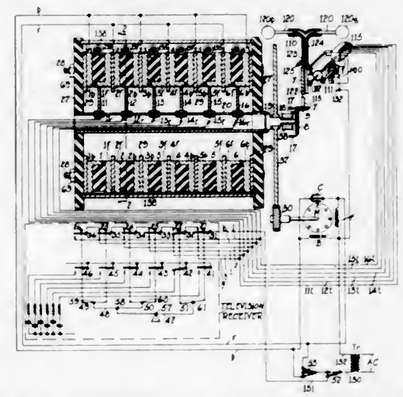
1. Apparatus for vulcanizing an endless V-belt of rubber-like material having circumferential reinforcing tension elements therein, said apparatus comprising an outer mold member having a bore therethrough from end to end thereof and a continuous annular wall having a continuous heat-transmitting smooth internal surface in said bore, said wall terminating at one of said ends in an annular support flange extending laterally inward in said bore, means carried by said wall for heating said internal surface, a plurality of molding rings presenting a smooth outer peripheral face slidably and removably mounted in said bore of said mold member and mounted on said support flange with said outer peripheral face of said molding rings contacting said internal surface of said wall in heat-transmitting relation therewith, said molding rings being fitted together in mating relation so as to define around the inner periphery thereof at least one continuous V-shaped belt-molding groove for receiving an endless V-belt substantially entirely within said groove with the inner peripheral face of the V-belt exposed and with the tension elements of the V-belt nearest said peripheral face thereof and extending peripherally around said groove, means at the other end of said mold member for clamping said molding rings together in said mating relation while holding the same mounted on said support flange, an inner mold member including a peripherally continuous expansible diaphragm mounted in alignment with said bore beyond the flanged end of said outer mold member for movement of said inner mold member to and away from a position in said bore of said outer mold member such that said diaphragm is in adjacent telescopic overlapping relation to said inner periphery of said molding rings, means operable to move said inner mold member telescopically through said support flange into and out of said bore of the outer mold member and to and from said position therein while said molding rings are mounted in said bore, and means for expanding said diaphragm when said inner mold member is at said position within the outer mold member, so as to force the V-belt into said groove and stretch the tension elements of the V-belt uniformly about the entire circumference thereof.

2,599,047
QUASIDETACHABLE MAGNETIC SYMBOLS, MARKERS, AND INSIGNIA
Richard U. Clark, Belmont, Mass.
Application July 21, 1948, Serial No. 39,897
1 Claim. (Cl. 40—142)



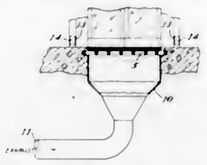
A magnetic device of the kind described for attachment to a cooperating article, comprising the combination of permanently magnetized material, a pre-formed body, having a smooth base, said body being relatively flat and thin with exposed edges and corners smooth and sloping toward the base and presenting no surfaces whereby the body may be manually grasped and raised, said base being formed with a groove for the insertion of a removal tool, said base having a layer of magnetic powder thereon.

2,599,048
ANTENNA ROTATING AND/OR TUNING APPARATUS
Oscar H. Dicke, New Bremen, Ohio
Application May 10, 1950, Serial No. 161,151
16 Claims. (Cl. 343—100)



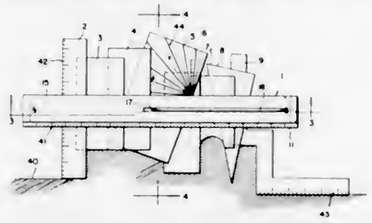
1. In combination, a high frequency radio receiver including tuning devices for tuning the receiver to any one of a plurality of television broadcasting station carrier frequencies, an antenna mast, a directional frequency adjustable antenna supported on said mast, electro-responsive means for orienting said mast and antenna and tuning said antenna by changing its physical dimensions, and manually operable means for tuning the tuning devices of said receiver to the carrier frequency of a particular broadcasting station and for controlling said electro-responsive means so as to tune said antenna to the carrier frequency of such broadcasting station and to orient said mast and antenna so that the antenna's axis of maximum reception points to such broadcasting station.

2,599,049
VESTIBULE MAT AND CLEANING SYSTEM THEREFOR
Lewis L. Dollinger, Rochester, N. Y.
Application July 16, 1947, Serial No. 761,251
2 Claims. (Cl. 15—301)



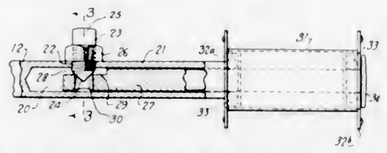
1. In a system of the class described, a flat stationary openwork support, a flat stationary porous brush mat having bristles decreasing in coarseness from one side thereof to the other, said mat covering said support and serving as the floor of a thoroughfare, and means for drawing air downward through said support and mat.

2,599,050
COMPOSITE TEMPLATE AND GAUGE
Robert G. Emerson, Fort Wayne, Ind.
Application December 15, 1948, Serial No. 65,469
13 Claims. (Cl. 33—175)



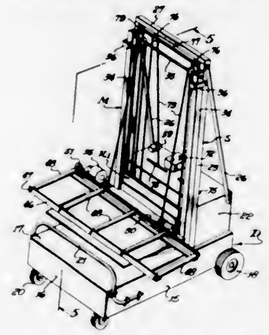
1. A composite template comprising a clamp having jaws adapted to be moved with respect to each other, and a plurality of plane profile templates having differently shaped operative peripheries positioned with said peripheries in overlapping relation to one another between said jaws and adapted to be manipulated with respect to one another to form an irregular and unbroken margin at their extremities.

2,599,051
BRAKING DEVICE FOR WHEEL CHAIRS
Hanceal W. Foley, Toledo, Ohio, assignor to Gendron Wheel Company, Perrysburg, Ohio, a corporation of Ohio
Application February 21, 1946, Serial No. 649,198
1 Claim. (Cl. 188—80)



In an invalid chair, a stationary axle housing having a tubular end portion, a stub shaft having a part fitting said end portion and axially shiftable therein, the free end of said stub shaft extending outside of said tubular end portion, a supporting wheel, a hub member mounted for rotation on the free end of said shaft, a pair of laterally spaced ball-bearing units interposed between the hub member and stub shaft, one ball-bearing unit engageable with the outer end portion of said tubular end portion, a head member on the outer end of said stub shaft adapted to bear against the other ball-bearing unit, an aperture in that part of said stub shaft inside the tubular end portion, and a set screw on said tubular end portion having a conical end portion engageable with an edge of the stub aperture whereby upon tightening the set screw, axial shifting movement is imparted to the stub shaft for frictionally engaging the ball-bearing units and thus exerting a braking action on the hub.

2,599,052
CASKET TRANSPORTING AND HOISTING VEHICLE
George Forman, Los Angeles, Calif.
Application June 29, 1948, Serial No. 35,842
4 Claims. (Cl. 214—84)

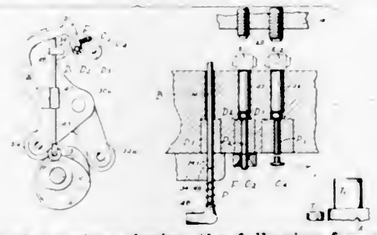


1. A vehicle for caskets, including: a dolly; a frame having a stationary part fixed on said dolly, and a movable part vertically extensible on the stationary part, and having a stop thereon; a casket supporting platform movable vertically on said movable frame part and engageable with said stop; mechanism for elevating said platform on said movable frame part, and into engagement with said stop, and for subsequently extending said movable frame part upwardly on said stationary frame part to further elevate said platform, rollers on said platform for supporting a casket, motor operated means on the platform for driving said rollers in either direction, and means on said dolly operable in all elevated positions of said platform for controlling said motor operated means.

2,599,053
COLD HEADER
John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application May 15, 1946, Serial No. 669,940
4 Claims. (Cl. 10—11)

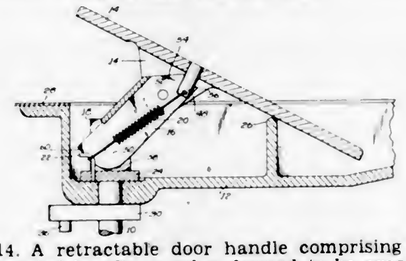
1. In a metal working machine, a frame, a die block mounted in said frame having a stock feeding aperture, an intermediate die and a forming die, a header slide carrying a heading tool reciprocably mounted in said frame, driving means in said frame to reciprocate said header slide, a shearing mechanism mounted for reciprocation across said die block, means to drive said shearing mechanism in timed relation to said header slide drive, said shearing mechanism including a solid shear block having a blank receiving and

shearing recess which is closed over more than 180° of arc, said block being driven to shear off a blank at said stock feeding aperture and to present said blank to said intermediate die, means carried by said header slide for forcing a sheared blank from said shear block into said intermediate die on a first forward stroke, said shearing mechanism drive means being timed to hold said shear block stationary in front of said intermediate die during completion of said first forward stroke and to retract the shear block toward



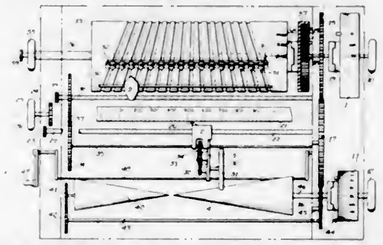
said stock aperture during the following forward stroke, transfer mechanism moved by said shear mechanism for transferring a blank from the intermediate die to said forming die, means to move said transfer mechanism clear of said forming die while said shear block is held stationary at said intermediate die, and shiftable coning and heading tool means carried by said header slide and arranged to provide forming successive coning and heading operations on the same blank at said forming die with said transfer mechanism clear of said die.

2,599,054
RETRACTABLE DOOR HANDLE
Jack R. Gates, near Corvallis, Oreg., and James F. Schuler, Seattle, Wash., assignors to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application October 26, 1948, Serial No. 56,655
14 Claims. (Cl. 292—348)



14. A retractable door handle comprising an elongated handle member formed to be grasped by hand and turned about an axis generally at right angles to the general plane of a door carrying such handle, a link, first pivot means connecting one end of said link and said handle member for pivoting about an axis transverse to the length of the handle member and also transverse to the turning axis of said handle member, mounting means mounted for rotation about said handle turning axis, second pivot means connecting the other end of said link and said mounting means for pivoting of said link about an axis substantially parallel to the axis of said first pivot means between handle-projected position generally parallel to said turning axis and handle-retracted position generally perpendicular to said turning axis, abutment means limiting swinging of said link between said two positions, abutment means limiting swinging of said handle member relative to said link in mutually perpendicular relationship in handle-projected position of said link, and further abutment means limiting swinging of said handle member relative to said link in mutually parallel relationship in the handle-retracted position of said link.

2,599,055
INTEGRATING DEVICE
Clifford L. Heckard and Berger Anderson, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware
Application July 5, 1947, Serial No. 759,114
10 Claims. (Cl. 235—61)

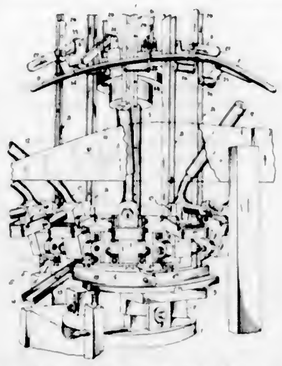


1. A machine for determining the center of gravity location of a composite load, comprising total load means movable in accordance with changes in the total load, added load center of gravity location means settable to indicate the center of gravity location of a load to be added, composite load center of gravity location means movable to indicate the center of gravity location of the composite load, added load means movable to represent a load to be added, said composite load center of gravity location means including a pointer movable by said added load means and a series of movable center of gravity position tabs cooperating with said pointer, means operatively connecting said added load means to said composite load center of gravity location means, and controlled by said total load means and said added load center of gravity location means, and operable to effect movement of said composite load center of gravity location means by and during movement of said added load means to represent a load to be added, said total load means and said added load center of gravity location means controlling the degree of such movement of said composite load center of gravity location means thus effected by said added load means, disconnecting means operable to disconnect said added load means to enable resetting thereof, independently of said total load means and said composite load center of gravity location means, to an initial position for subsequent setting of said added load means in accordance with additional added loads to be integrated with the total load and its center of gravity location, and means movable to vary the spacing of said tabs by movement of the total load means in accordance with changes in the total load.

2,599,056
SAWING MACHINE
Fred Hunziker, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application August 14, 1946, Serial No. 690,474
7 Claims. (Cl. 29—69)

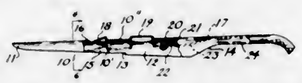
1. In a metal cutting machine, a bed, vertical stock guide means, clamping means supported

on said bed including shoe means for engaging the stock, a weighted arm for urging said shoe means against the stock under force of gravity to clamp the stock against the guide means, a stop piece supported by the bed for engagement by the lower end of the stock with the clamp released, metal cutting means vertically above



and circumferentially spaced from said stop piece, and cam means to lift said weighted arm and release said clamp when the bar is over the stop piece, said clamping means and the balance of the apparatus being relatively movable whereby the clamp is released, stock is dropped on the stop piece, and a blank is cut off.

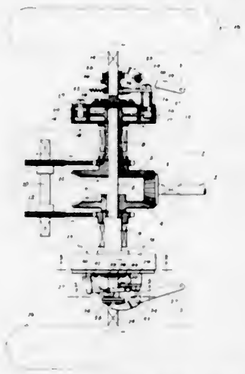
2,599,057
FISH STRINGER
Florian Jarabek, Cleveland, Ohio
Application May 24, 1950, Serial No. 164,005
6 Claims. (Cl. 224—7)



1. In a fish line stringer of the type wherein the stringer has a stringer line secured thereto, said stringer line having a weight secured at its opposite end, the provision of a body portion having a longitudinally extending curved upper surface and a pair of longitudinally extending sides, said sides being generally tapered from a portion of less width at the forward end thereof to a portion of greater width at the rearward portion thereof, said upper curved surface being provided with a pair of aligned slots, longitudinally extending spring means, means disposed within the body portion, said spring means being journalled thereon, said spring means being provided with a pair of upwardly extending portions each adapted to protrude through a different one of said slots.

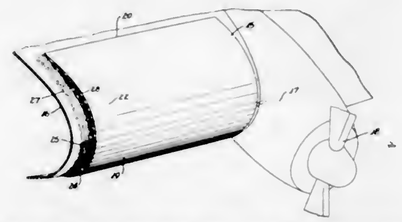
2,599,058
REVERSIBLE DRIVE MECHANISM
Gordon W. Johansen and Welford E. Copley, Modesto, Calif.; said Copley assignor, by direct and mesne assignments, of one-tenth to Joseph J. Lebeda and four-tenths to Wayne A. Yocom, both of Atwater, Calif.
Application August 2, 1949, Serial No. 108,168
5 Claims. (Cl. 74—665)

1. A reversible drive mechanism comprising a pair of spaced, axially alined reversing clutch units each of which includes an inner and an outer drum in spaced concentric relation, a cross shaft extending between the clutch units connected in driving relation to the inner drums, sleeves turnable on the cross shaft adjacent and connected in driving relation to the outer drums, means operative to simultaneously drive the sleeves and shaft with the latter rotating in a direction opposite to the direction of rotation of the sleeves, a rotary shoe



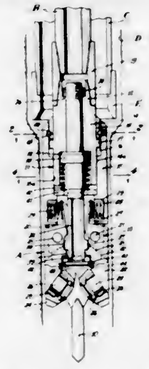
assembly disposed between the drums of each clutch unit to expand or contract whereby to grip and rotate with the outer drum or inner drum, respectively, of said unit, a separate shaft projecting axially outward from adjacent each clutch unit, means connecting the shoe assemblies in driving relation to corresponding ones of the separate shafts, and means operative to cause expansion or contraction, selectively, of said shoe assemblies.

2,599,059
MEANS FOR PREVENTING ICE ACCUMULATION ON AIRFOILS
Benjamin F. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 31, 1945, Serial No. 608,066
9 Claims. (Cl. 244—134)



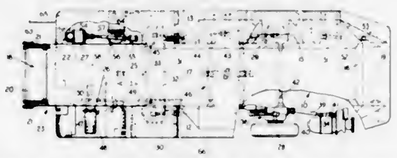
8. Apparatus for preventing the accumulation of ice upon the leading edge of an airfoil, said apparatus comprising a unitary covering member having distensible surface portions spaced-apart for disposition at the rearward areas of said leading edge and a non-distensible surface portion intermediate said portions for disposition at the frontal area of said leading edge, means imbedded in the intermediate non-distensible portion of said member for heating the surface at said frontal area to interrupt the continuity of ice deposited about the leading edge, and a plurality of inflatable tubular passages in said member at each of said distensible portions for distending the surface in said rearward areas to loosen ice rearwardly of the interruption in the ice at said frontal area.

2,599,060
EXPANSIBLE ROTARY DRILL BIT
Archer W. Kammerer, Fullerton, Calif.
Application February 9, 1951, Serial No. 210,139
9 Claims. (Cl. 255—76)



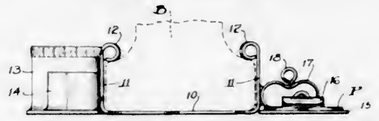
1. In an expansible rotary well drilling bit: a main body; cutter means mounted on said body for lateral outward movement with respect to said body; means for expanding and holding said cutter means laterally outwardly of said body, said expanding and holding means including a mandrel telescoped and movable longitudinally within said body; an annular member piloted in said body to prevent withdrawal of said mandrel from said body; and rollable elements engageable with said annular member and body to prevent removal of said annular member from said body.

2,599,061
SHUTTLE CAR
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application December 3, 1947, Serial No. 789,384
6 Claims. (Cl. 214—83.36)



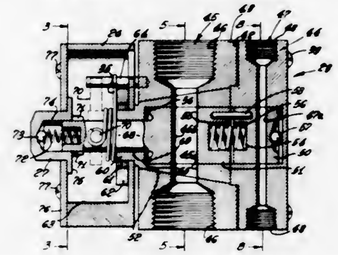
1. A shuttle car including a main frame carrying an open top receptable type body adapted to carry loose coal, a conveyer in the bottom of said body operable to remove the loose coal therefrom, four steerable wheels supporting said body, means for driving said wheels in pairs at opposite ends of said vehicle including a separate driving motor for each pair of wheels at each end of said car, gearing connecting each motor with a pair of wheels at one end of the car, each said gearing including a differential having a worm type ring gear driven from a motor through a driving worm located below and meshing with said ring gear means mounting each said differential and driving motor laterally outside said main frame and near one of said wheels with each motor located longitudinally beyond the periphery of the adjacent wheel, each said gearing also including a drive shaft interconnecting the adjacent motor and driving worm and extending longitudinally of said main frame and into the path of steering swinging movement of the adjacent steerable wheel if said swinging movement were unlimited, and shaft driving means extending in opposite directions from each said differential, one of said shaft driving means extending laterally across said main frame to a position near one wheel.

2,599,062
TELEPHONE BASE ACCESSORY HOLDER
Bill L. Ledermann, Beverly Hills, Calif.
Application December 18, 1947, Serial No. 792,578
1 Claim. (Cl. 211—86)



In a telephone base accessory holder, a resilient strap adapted to occupy a transverse position beneath a telephone base, resilient members projecting upwardly from the ends of said strap, the upper end of said resilient members being split vertically and the split portions bent inwardly to provide inwardly presented coils for engagement over shoulders on the telephone base adapted to be seated on said strap and a pair of cups secured on the outer face of one of said upwardly projecting resilient members.

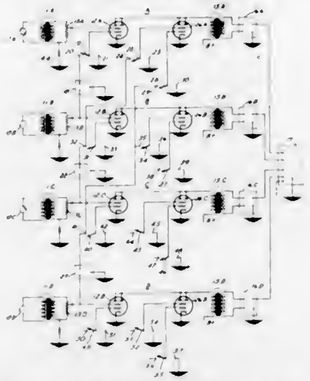
2,599,063
SAFETY CONTROL VALVE FOR GAS BURNERS
Avy L. Miller, North Hollywood, Calif.
Application March 6, 1948, Serial No. 13,503
10 Claims. (Cl. 158—138)



10. In a control valve for a gas burning appliance of the type having a main burner and a pilot burner, the combination of: means adapted for connection to said appliance to supply fuel gas to said main burner; separate means adapted for connection to said appliance to supply fuel gas to said pilot burner; a normally open valve member in said first means movable to a position to shut off said main burner supply; thermostatic valve means having a thermal element adapted to be positioned to respond to the heat of said pilot burner and including separate valve members for shutting off said main and pilot burner supplies upon ex-

tinction of said pilot burner; and means to reinstitute said pilot burner supply, said last means including a manual control member for moving said first valve member and means for connecting said first valve member and separate valve members for concurrent movement of said members to move said separate valve members to open position by closing movement of said first valve member.

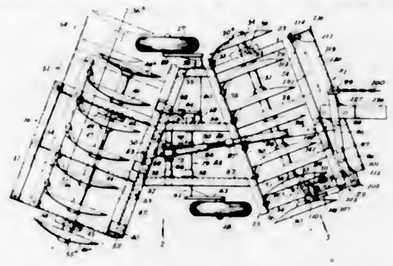
2,599,064
SEISMIC PROSPECTING
John P. Minton, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 22, 1946, Serial No. 685,334
9 Claims. (Cl. 177—352)



1. A seismic prospecting system comprising at least two geophones for producing signals in the seismic frequency range of about thirty to seventy cycles per second in response to reflections of a shot impulse from subsurface strata and also responsive to local seismic disturbances resulting from said shot impulse to produce undesired signals, a corresponding number of recording means, signal channels each between one of said geophones and one of said recording means, and at least one frequency-selective asymmetric cross-channel connection including a filter and a mixing tube providing for asymmetric passage of selected frequencies from one to another of said channels, thereby in advance of its application to said recording means to modify the geophone signal of the corresponding channel by the asymmetric mixing therewith of selected frequencies of the geophone signal from at least one other channel so to enhance in the signal record produced by said recording means the frequencies of aforesaid range corresponding with reflections from subsurface strata.

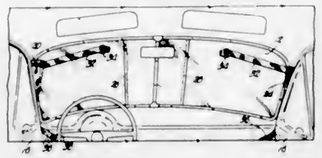
2,599,065
WHEELED DISK HARROW
Clarence E. Newkirk, Lynwood, Calif.
Application March 13, 1945, Serial No. 582,533
11 Claims. (Cl. 55—73)

1. An agricultural machine of the character described comprising, front and rear disc gangs, a frame connecting said disc gangs, a pair of wheels supporting said frame, a pair of shafts carried by said frame and extending to opposite sides of said frame, an arm connecting each shaft and its respective wheel, said arms being oppositely disposed a control shaft, means connecting said control shaft with said pair of shafts for operating said shafts and the wheels con-



nected to the arms thereof simultaneously at different speeds and means to operate said control shaft.

2,599,066
WINDSHIELD COVER FOR AUTOMOBILES
Edwin B. Osborn, Kansas City, Mo.
Application December 11, 1950, Serial No. 200,157
1 Claim. (Cl. 160—368)



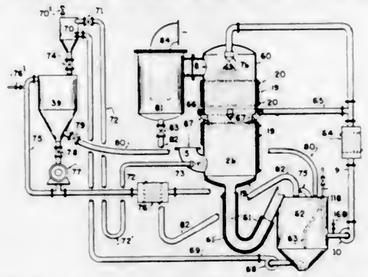
A cover for automobile windshields comprising a rectangular, fabric panel having a size greater than the size of a windshield to be covered adapting the same to extend from one front automobile door to the other front automobile door beyond the windshield; a lowermost elongated fabric strap at each end of said panel; an uppermost elongated fabric strap at each end of said panel, said lowermost straps and the uppermost corners of the panel being adapted to extend between the proximal front automobile door and the frame thereof for clamping therebetween upon closing of the doors with the uppermost straps entirely within the automobile body, whereby to hold the panel taut over said windshield, the ends of the panel between said corners and the lowermost straps terminating adjacent the forwardmost vertical edges of said doors; a suction cup on the outermost free end of each uppermost strap and adapted to grip the inner face of said windshield to temporarily hold said panel in place over the windshield while closing the doors on said corners and said lowermost straps; and a suction cup on the panel adjacent each lowermost corner thereof and adapted to grip the automobile body below the windshield to further aid in temporarily holding the panel in place.

2,599,067
PRODUCTION OF AMMONIUM SULFATE
Carl Otto, Manhasset, N. Y.
Application March 15, 1948, Serial No. 14,902
In Great Britain December 17, 1947
19 Claims. (Cl. 23—119)

1. The method of continuously producing sulphate of ammonia which comprises passing into a substantially unobstructed scrubbing space a gas containing free ammonia, contacting such gas with saturated ammonium sulphate solution con-

taining free sulphuric acid, withdrawing ammonium sulphate liquor to make up such solution from a body of ammonium sulphate liquor in a crystallizing space below said scrubbing space, said contacting being effected by spraying by whirling motion and under such pressure so as to disperse said solution in fine spray over substantially the whole cross sectional area of the space and permit solid crystalline particles and supersaturated liquid spray to fall into said body whereby the growth of ammonium sulphate crystals in said body is promoted, withdrawing crystals from said crystallizing space and adding sulphuric acid to the liquor to make up for the acid combining with ammonia in the scrubbing space.

19. In a crystallizing and reaction tank system for producing crystals of $(NH_4)_2SO_4$ by reaction of ammonia containing gas with H_2SO_4 solution, tank apparatus comprising a reaction tank section and a crystallizing tank section, said reaction tank section having an inlet for a conduit for passing the ammonia containing gas into an inlet portion of said reaction tank section, a spray nozzle with fluid rotating passage walls located adjacent said inlet so as to im-



mediately contact the entering gas with spray reaction with the ammonia containing gas, a plurality of spray nozzles with fluid rotating passage walls located in an unobstructed portion of said reaction section, displaced from said inlet section, and arranged to cover the cross sectional area of said unobstructed portion with spray, and an outlet conduit for gas in said unobstructed portion, said crystallizing tank section being arranged to receive solution and crystals moving down from the bottom of said reaction tank section to said crystallizing tank section, a suspension conveying system including said crystallizing tank section, pumping means for conveying a suspension of crystals from a portion of said crystallizing tank section containing relatively large crystals to a crystal separating device, and conduit means connected to a portion of said conveying system which follows said portion containing relatively large crystals and which includes conduits through which suspensions of crystals are passed to the spray nozzles in the unobstructed portion of said reaction section and inlet means for the addition of fresh acid to said suspension conveying system.

2,599,068
ADJACENT CHANNEL REJECTION BY MAGNETO-STRICTION
Louis E. Potter, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1950, Serial No. 193,080
6 Claims. (Cl. 178—44)

1. A coupling transformer for a source of signal-modulated carrier waves having a predetermined frequency band, and comprising inductively coupled primary and secondary windings tuned for resonance in said predetermined frequency band, a core for each of said windings, said core including at least one surface having a slot therein to receive said winding and being of a depth greater than the thickness of said winding, said winding being disposed within



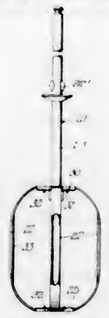
said slot, magnetostrictive resonating bars contiguous to said surface and perpendicular to said slot thereby being magnetically coupled with said secondary winding, said bars being resonant respectively at different desired frequencies outside of said predetermined band of frequencies, and magnetic means associated with said bars for providing a predetermined polarizing magnetic bias.

2,599,069
CASING MILL
Earl J. Robishaw, Houston, Tex., assignor to A-1 Bit & Tool Company, Houston, Tex., a corporation of Texas
Application July 29, 1948, Serial No. 41,236
4 Claims. (Cl. 164—0.8)



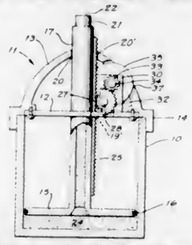
2. A casing mill, comprising, a head member carrying radially expandible cutting blades, a hollow telescoping coupling member for connecting said head member to an operating pipe, said coupling member including a pair of end-aligned cylinders and a hollow spline member connecting said cylinders for relative longitudinal movement while maintaining rotative connection therebetween, hollow plunger means slidable axially of said coupling member and affording pressure fluid communication between said cylinders, said plunger means being connected to said blades and actuable solely by fluid pressure to expand said blades and to advance said head member relative to said operating pipe, cooperating stop means arranged between said plunger means and said coupling member to limit relative longitudinal movement therebetween in both directions and valve means carried by said plunger actuable by engagement thereof with either of said stop means to produce a drop in the fluid pressure applied to said plunger means.

2,599,070
FOOD MIXER
Fred C. Schwaneke, Chicago, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Application April 11, 1950, Serial No. 155,167
20 Claims. (Cl. 259—133)



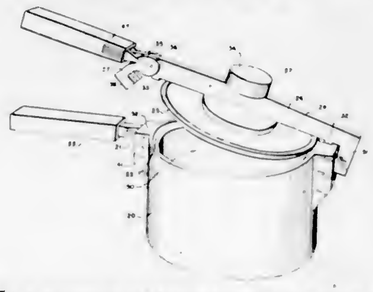
1. A beater for a food mixer comprising a shaft, a bracket at the bottom of said shaft having a plurality of radially extending blade supporting channels therein, a similar bracket spaced from the first on said shaft, each of said brackets having openings therein through the bottoms of the channels, a plurality of flexible blade elements supported on said brackets, the ends of said elements being received in said channels, and a lug on each end of each of said blade elements, said lugs projecting through said openings to secure the blades to the brackets.

2,599,071
DISPENSING CONTAINER FOR MUSTARD, KETCHUP, AND THE LIKE, HAVING A SLIDABLE PISTON WITH HOLLOW STEM
John Schwarz, Los Angeles, Calif.
Application September 19, 1950, Serial No. 185,538
1 Claim. (Cl. 222—320)



A dispenser for mustard, ketchup and the like, comprising a vessel having an open upper end, a lid structure arranged to close said vessel and composed of a horizontal floor plate and an outer shell of dome shape, said shell having an opening in its crest and an arcuate slot within its side wall extending within a vertical plane and said floor plate having a central opening in vertical alignment with the opening in the crest of said shell, a tubular stem extending slideably through said openings from above said shell into the interior of said vessel, a centrally apertured plunger secured to the lower end of said stem within said vessel, a rack provided on said stem and extending over the major portion of its length, a gear in mesh with said rack rotatably supported from and within said lid structure, a manipulating wheel rotatably supported by and within said lid structure and arranged to protrude partially through the lateral slot of said shell thereof, and a gear train interposed between said manipulating wheel and said first gear to effect co-directional movement of said plunger and the exposed segment of said wheel whenever said wheel is manipulated.

2,599,072
SAFETY MECHANISM FOR PRESSURE COOKERS
Clifford C. Schweiso, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application May 3, 1948, Serial No. 24,764
19 Claims. (Cl. 220—56)

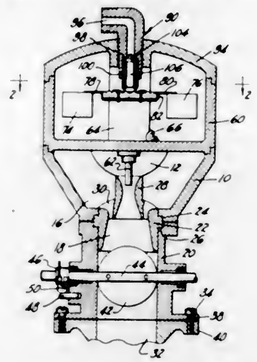


1. In a pressure cooker comprising a body having an opening therein, a handle for said body extending outwardly therefrom, a cover for said opening, and a crossbar supporting said cover and having a handle extension projecting outwardly substantially adjacent and parallel to said body handle when the cover is moved into position to close said opening, the combination of automatic means for movement of a portion of the cover and said crossbar outwardly to a slightly displaced position in response to a predetermined change in a cooking condition within the cooker, cooperative latching means on said crossbar and said body including a latch mounted on the crossbar and movable between an open position in which it permits disengagement of said crossbar and cover from the body and a closed position in which it prevents such disengagement and limits said outward movement of the crossbar, and safety means preventing movement of said latch from closed to open position when said crossbar is held in said displaced position as a result of said predetermined change, said safety means including cooperating cam surfaces on said latch and said body urging said latch into closed position when said crossbar is forced toward said displaced position, said safety means also including an operating handle for said latch having its outer end pivoted to the outer end of said handle extension and its inner end engaging said latch and mounted along the inner portion of said handle extension for limited movement away from said body handle to actuate said latch from closed to open position, said operating handle engaging said latch at a point on said latch which is nearer said latch pivot than said cam surfaces are.

2,599,073
LIQUID LEVEL CONTROL MECHANISM
Robert W. Sloane, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 12, 1947 Serial No. 734,154
5 Claims. (Cl. 137—104)

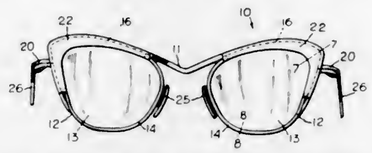
1. A fuel inlet control device for a carburetor having a fuel bowl comprising at least two floats,

an arm for each float pivoted adjacent a fuel inlet valve, and a lever positioned between and having a part overlapping two of said arms and



forming a one-way connection therewith, said lever being adapted to be actuated by at least one of said arms for actuating a fuel inlet valve.

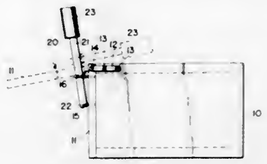
2,599,074
EYEWIRE CONSTRUCTION FOR SPECTACLE FRAMES
Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 10, 1951, Serial No. 214,926
4 Claims. (Cl. 88—47)



1. In a spectacle frame, the combination of a metallic eyewire having an internal groove in which is mounted a portion of the edge of a lens, a non-metallic member having on its inner edge a groove in which is mounted the remaining portion of the edge of the lens, two inwardly extending offsets formed on the inner face of the eyewire in spaced relation to each other, the ends of said member being in abutting relation to the respective offsets, said member having a groove on its outer edge, said eyewire having parts extending towards each other beyond the offsets, said parts being positioned in the groove in the outer edge of the member, and means for detachably holding together the adjacent ends of the parts whereby the lens is removably held in the frame.

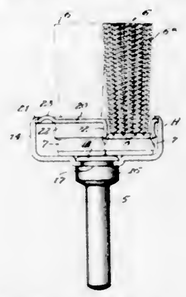
2,599,075
CLOSURE ELEMENT FOR AIR DUCTS
Donald H. Stroup, Cleveland, Ohio
Application January 3, 1949, Serial No. 68,987
4 Claims. (Cl. 98—119)

1. In an air outlet device, a source of air flow greater than atmospheric pressure, said air flow adapted to be turned "on" and "off," the said air flow flowing through said conduit, a flap element hingedly secured to said conduit, a weighted element consisting of a stem and a weight, pivot means secured to a center portion of said flap element and extending outwardly therefrom, guide means secured to said flap element above said pivot means and extending outwardly of the flap element, said stem being telescoped through said guide means and pivoted upon said pivot means, the weight being disposed upwardly of the flap element wherefor the weighted portion of said weighted element is disposed outwardly of said hinged connection



of the conduit and the flap element when the air flow is "off," said weighted element, when the air flow is "on," being adapted to operate as a counterweight holding said flap element away from the conduit opening when said weight passes the hinged point under the force of air flow of greater than atmospheric pressure exerted upon the flap.

2,599,076
ABRADING BRUSH
Charles E. Sturgis, Rochester, N. Y.
Application August 28, 1948, Serial No. 46,581
10 Claims. (Cl. 15—200)



1. In an abrading brush, a cup having an integral side and bottom, a plurality of tufts of coiled abrading elements each having one end portion mounted in said cup for limited rocking movement therein, and a flat, circular, locking plate engaging the mounted end portion of each of said tufts and having apertures therein through which said tufts project for retaining them in said cup, the edge of said cup being formed over the edge of said plate to secure the plate to said cup.

2,599,077
ROTARY TOOL FOR SCRAPING TUBE INTERIORS
Charles E. Sturgis, Rochester, N. Y.
Application September 4, 1948, Serial No. 47,811
3 Claims. (Cl. 15—104.19)

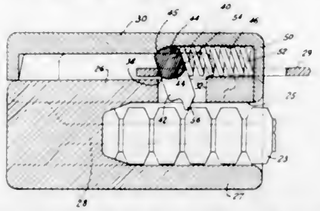
2. In a cleaning tool, a stem having a peripheral groove near one end thereof and a threaded portion at its other end, a primary thimble and a secondary thimble in spaced relation on said stem and defining therewith annular spaces opening toward each other, a plurality of elongated resilient cleaning elements having their

respective ends retained in said spaces, the primary thimble being located adjacent said groove having an internal shoulder facing toward the adjacent end of said stem, a ring located in said groove and projecting in the path of the shoulder on the primary thimble whereby said thimble is prevented from being forced off of the adjacent end of the stem, said primary thimble being permanently anchored to said stem, said secondary



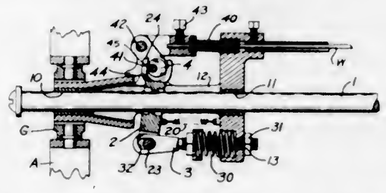
thimble being free to slide and rotate on said stem, and a sleeve threaded on said stem for adjustment thereon into engagement with the secondary thimble, the sleeve and the secondary thimble having portions nesting one within the other with mating surfaces thereon at least one of which is knurled whereby the secondary thimble and sleeve are locked in adjusted position on the stem.

2,599,078
AUTOMATICALLY LOCKING ZIPPER
Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application August 8, 1947, Serial No. 767,426
8 Claims. (Cl. 24—205.14)



1. A zipper comprising in combination a pair of rows of interlocking elements, a slider having a passage for the elements, the passage diverging at one end of the slider and being adapted when moved in one direction along the rows to interlock the rows to close the zipper and when moved in the opposite direction to disengage the rows to open the zipper, a lock pivoted in the slider and having a locking end, resilient means normally and yieldingly holding the lock in a position with its axis inclined in one direction away from a line perpendicular to the rows and with its locking end projecting into the path of the elements, a pivot shaft on the lock, a pivoting and sliding support for said shaft adapted to maintain the shaft a constant distance from the passage, said resilient means normally holding said pivot shaft on said pivoting and sliding support and the lock being rotatable on said support toward a position perpendicular to the rows to project the locking end further into the path of the elements in response to initial uncontrolled opening movement of the slider, a stop between the ends of the lock for stopping the lock when substantially perpendicular to the rows to prevent further opening movement of the slider, and a second pivot on the lock for contacting the stop.

2,599,079
SEAT POSITION LOCK
Raymond Fred Tatom, Puyallup, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application September 27, 1948, Serial No. 51,429
11 Claims. (Cl. 188—67)

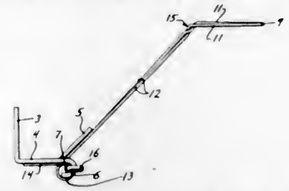


1. A locking mechanism comprising, in combination, a rod movable lengthwise, a cramping lever engageable at an intermediate portion thereof with opposite sides of said rod when disposed in one angular position relative thereto, to retain the rod against lengthwise movement in either sense relative to said lever, but disengageable to enable lengthwise relative movement of the rod when swung into a different angular position relative thereto, means operatively engaged with one end of said cramping lever to constitute a normally substantially fixed fulcrum therefor, lever shifting means forming a second lever fulcrum and operatively engaged with the opposite end of said cramping lever and movable to shift the cramping lever about such normally fixed fulcrum into and from rod-retaining position, but itself normally maintained in rod-retaining position, means operable at will to move the shifting means, and thereby the cramping lever, into rod-released position, to enable lengthwise movement of the rod, means guiding said normally fixed fulcrum for movement in a direction permitting swinging of said lever about said second lever fulcrum into rod-releasing position, and means normally retaining said normally fixed fulcrum against such movement but yieldable to permit such movement thereof in response to a predeterminated external force in one sense on the rod which, through said lever, exerts a force on said normally fixed fulcrum, to release the rod for movement in such latter sense.

2,599,080
HOP PICKING MECHANISM
Edouard Thys, Sacramento, Calif.
Application October 24, 1947, Serial No. 781,825
6 Claims. (Cl. 130—30)

1. A finger bar assembly for hop picking machines comprising a bar member having along its front edge a plurality of longitudinally spaced upwardly and outwardly projecting finger backing ears lying in a common plane oblique to said bar member, the portions of said front edge between said backing ears being curved downwardly and inwardly to provide a plurality of pivot pin retaining elements longitudinally aligned below said bar member at the front edge thereof, a

pivot pin extending longitudinally of said bar member and positioned in said pivot pin retaining elements, and a plurality of picking fingers disposed on said pivot pin in row formation, each of said fingers including a pair of spaced supporting arms of spring wire each having a coiled



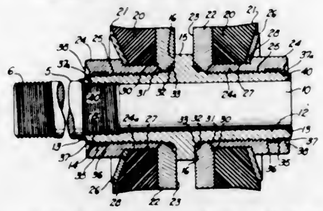
portion loosely embracing said pivot pin and a terminal extension projecting from said coiled portion rearwardly along the lower surface of said bar member, the abutting supporting arms of each adjacent pair of said picking fingers being positioned below one of said finger backing ears.

2,599,081
CLOTHESLINE MANIPULATOR
Willis D. Waddell, Calgary, Alberta, Canada
Application April 1, 1946, Serial No. 658,812
In Canada May 15, 1945
5 Claims. (Cl. 211—119.13)



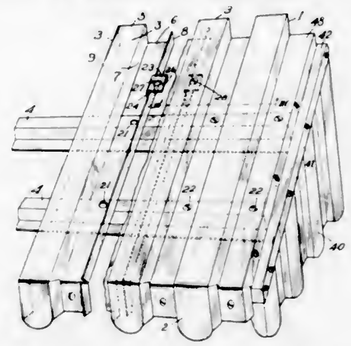
1. In combination in a spreader of the character described, a tubular member, a ring member permanently fixed to the interior of each open end of the said tubular member and spaced from each other, and located within the said tubular member, a spindle, two pulleys loosely mounted thereon, said ring members and the tubular member forming a raceway receiving the ends of the spindle.

2,599,082
SLUSH PUMP PISTON AND PISTON ROD
George C. Wells, Lomita, Calif., assignor to Neal H. Anderson Oil Tool Co., Torrance, Calif., a partnership composed of Neal H. Anderson and George C. Wells
Application October 3, 1947, Serial No. 777,747
20 Claims. (Cl. 309—4)



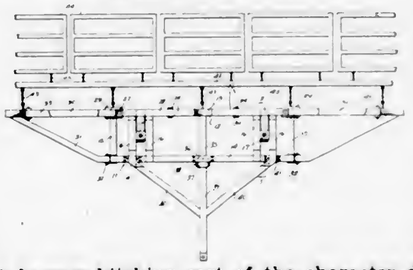
1. In combination in a piston rod and piston structure: a relatively elongated piston rod; a body member rigidly and permanently secured to and directly upon one end of said rod substantially throughout the entire length of said body member by means of a welded, threaded, shrunk fit; and an annular hub rigidly and permanently secured to said body member and adapted to receive piston forming means against said hub.

2,599,083
PROTECTIVE COVERING
Wade H. Wynne, Jr., Atlanta, Ga.
Application June 3, 1948, Serial No. 30,832
8 Claims. (Cl. 20—57.5)



2. A protective covering comprising a plurality of channel sections each having an S section in which the sides of the S form upper and lower protective strips of substantially equal width in substantially parallel planes connected by a center strip integral with and substantially perpendicular to said protective strips, and the ends of the S form flanges depending in opposite directions from said protective strips, a support on which said channel sections are mounted in overlapping relation with the flange on an upper strip of one of said channel sections positioned between the flange on a lower strip and the center strip of another channel section, and an L-shaped connecting bracket constituting part of the mount of said sections on said support, said bracket having one arm connected with the flange on a lower strip and its other arm extending up into contact with the upper strip and fixed in position under the upper strip to support it, said bracket being operable to secure said last-named flanges in spaced relation and against movement relative to each other, said flanges on the lower strips having a shorter depth than the depth of said center strip to provide a space through which air may circulate from the area under one of said upper strips to the area over one of said lower strips.

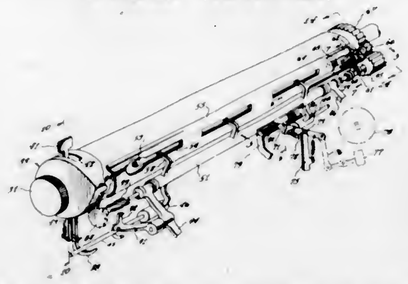
2,599,084
WINGED HARROW HITCHING CART
Clarence Dee Archer and Kenneth L. Shuey, Knights Landing, Calif.
Application August 5, 1949, Serial No. 108,804
1 Claim. (Cl. 55—93)



A harrow hitching cart of the character described comprising a rectangular horizontal

frame, respective bearing means secured to the side portions of said frame, respective casters swiveled to said bearing means, ground-engaging wheels journaled in the respective casters, side wings hinged to the ends of the frame for upward swinging movement, detachable link bars connecting said side wings to the frame, an elongated drawbar adjacent the rear of said frame and said side wings, and a plurality of chains connecting said drawbar to the frame and said side wings in parallel relation to the frame.

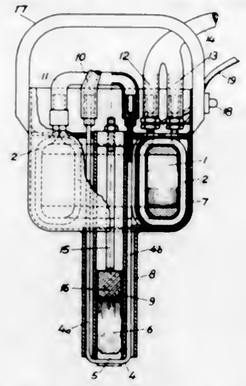
2,599,085
END OF PAGE INDICATOR AND SIGNAL FOR TYPEWRITERS
Thomas Bader, South River, N. J.
Application December 18, 1948, Serial No. 66,082
9 Claims. (Cl. 197—189)



1. An end of page attachment for typewriters comprising in combination with a typewriter having a platen roller, a shaft extension of the platen roller, and a platen roller gear, and indicating device to indicate the number of lines before reaching the end of the page, and connected to the shaft extension of the platen roller, means engageable with the paper and releasable upon reaching the end of the paper, said means containing a constantly driven shaft operable by the typewriter roller gear, and means associated with said paper engageable means to laterally shift the constantly driven shaft for engagement with the indicator device, said indicator device being operable to indicate the number of lines which the typist can type before ending the page.

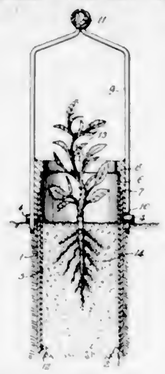
2,599,086
INDUCTION HEATING
Ivar Becklus and Hugo Lindström, Vasteras, Sweden, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application June 30, 1949, Serial No. 102,368
In Sweden April 20, 1948
4 Claims. (Cl. 219—47)

1. A high frequency induction heating device for locally heating a work-piece, comprising a transformer primary winding, a transformer secondary winding consisting of a ring-shaped casing enclosing the primary winding, an outer tubular conductor extending from one end of said casing and an inner tubular conductor extending from the other end of said casing, through the said casing and through the said primary winding and through the outer conductor, a magnetic core contained within and protruding beyond the free ends of said tubular conductors for direct engagement with the work-piece, a heating element connected to both said tubular conductors, at least one slot formed in the protruding end of said core and receiving a portion of said element to concentrate the heat in the work-piece, said slot being sufficiently deep to accommodate the said element with the outer surface of the element inwardly spaced from the plane of the work-piece engaging end of the core, and means



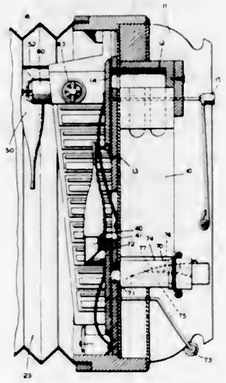
for advancing the said core in the said inner conductor when the exposed end of the core is worn down, the element receiving slot in said core having sufficient depth to permit advancement of the core without moving said element.

2,599,087
TRANSPLANTING DEVICE
William Bedell Benison, Maskeliya, Ceylon
Application May 10, 1949, Serial No. 92,456
6 Claims. (Cl. 294—50.7)



1. A device for removing plants with soil around them preparatory to transplanting comprising, in combination, a hollow liner open at both ends and made of a decomposable material which is non-injurious to plant life; a hollow sleeve member within which the liner is to be received as a close fit therein, said sleeve member being open at both ends and provided at or near its lower end with inwardly projecting flange means to support the lower end of the liner, and being also of such length relative to the liner that when the latter has been inserted into the sleeve its upper end projects therefrom; an operating device comprising a hollow member open at both ends and provided with inwardly projecting flange means in two different transverse planes, the upper of said flange means being adapted to abut against the upper end of the liner and the lower against the upper end of the sleeve member, and a handle for said hollow member; and interlocking means comprising two complementary elements one of which is carried by the sleeve member and the other by the operating device, said two elements being interengageable so as temporarily to prevent relative axial movement between the operating device and the sleeve member when said operating device has been placed in position over the upper ends of the sleeve member and liner.

2,599,088
ACCORDION WITH REEDLESS WIND INSTRUMENTS
William Borzage, Los Angeles, Calif.
Application February 15, 1949, Serial No. 76,569
5 Claims. (Cl. 84—376)

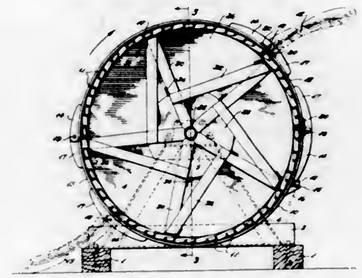


2. An accordion having a bellows, a reed chest, reed chambers composing said chest, reeds within each of said chambers, each of said chambers having one group of reeds operating on extension of said bellows and another group of reeds operating on compression of said bellows, a valve for each chamber, a manual key for each valve, and a one way reedless wind instrument mounted on said chest and having a wind passage for said instrument leading into one of said reed chambers, whereby in one direction of movement of said bellows the combined playing of one group of reeds and said additional one way wind instrument by the operation of a single key is provided for, and in the other direction of movement of said bellows the playing of the other group of reeds without the additional instrument.

2,599,089
CATALYTIC HYDROGENOLYSIS OF CYCLOALIPHATIC ALCOHOLS, KETONES, AND ALDEHYDES
John E. Castle, New Castle, and Benjamin W. Howk, Wilmington, Del. assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 20, 1948, Serial No. 50,238
6 Claims. (Cl. 260—666)

1. A catalytic hydrogenolysis process which comprises heating a member selected from the group of oxygenated compounds consisting of cycloalkanols, cycloalkanals and cycloalkanones to a temperature sufficient to vaporize the same, passing under essentially atmospheric pressure a gaseous mixture consisting of said vaporized oxygenated compound and added hydrogen continuously over and in vapor phase contact with a platinum catalyst at a temperature between 140° and 350° C., cooling the gaseous products, and separating therefrom a cycloalkane having the same carbon skeleton as said oxygenated compound.

2,599,090
BARK-REMOVING APPARATUS COMPRISING ROTOR AND STATIONARY CAGE
James R. Clark, Mobile, and Spencer M. Adams, Coden, Ala.
Application May 4, 1950, Serial No. 160,050
7 Claims. (Cl. 144—208)



1. In a device of the character described, a stationary, substantially cylindrical cage arranged with its axis extending horizontally, a rotor mounted for rotation coaxially within said cage, said rotor comprising a plurality of radially extending arms defining circumferentially spaced compartments for the reception of logs to be barked, said arms extending outwardly closely adjacent the inner surface of said cage, a pair of doors providing access to the interior of said cage through the cylindrical wall thereof, one of said doors being located above said axis and the other door being located below said axis.

2,599,091
FORMING PIGMENT IN CELLULOSE FIBER AND PAPER CONTAINING THE PIGMENTED FIBER
William Lutton Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 23, 1946, Serial No. 664,425
15 Claims. (Cl. 92—3)

1. The method of producing a pigmented and gelatinized cellulosic fibrous stock particularly adapted for admixture with unpigmented cellulosic fibrous stock in the manufacture of paper which comprises subjecting, at ordinary temperatures, an aqueous suspension of cellulosic fibers to the action of a strong solution of calcium chloride until the calcium chloride brings about a gelatinization of the cellulosic fibers, and adding a soluble salt which will react with the calcium chloride to precipitate a calcium compound pigment in and on the gelatinized cellulosic fibers, the amount of calcium chloride in the solution being sufficient that the amount of precipitated calcium compound remaining in and on the fibers is in excess of the weight of the fibers.

11. Highly pigmented gelatinized cellulosic fibers produced in accordance with the method of claim 1 and containing an amount of finely-

divided precipitated calcium compound pigment in excess of the dry weight of the fibers.

14. A new sheet of paper made of admixed fibers, from 5% to 25% of which are highly pigmented gelatinized cellulosic fibers as defined in claim 11, and the remainder of the fibers are ungelatinized cellulosic fibers.

2,599,092

MULTIPLE LAYER PAPER CONTAINING PIGMENTED PULP AND METHOD OF MAKING

William Lutton Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application April 30, 1946, Serial No. 666,199
10 Claims. (Cl. 92—3)

8. A composite multi-layer sheet of paper having an outer or surface coating layer formed of highly pigmented and gelatinized cellulosic fibers containing an amount of finely-divided precipitated calcium compound pigment in excess of the dry weight of the fibers, said gelatinized and pigmented fibers having been produced from swollen, hydrated and gelatinized cellulosic fibers containing a soluble salt largely within the fibers by reaction of another soluble salt therewith to form the precipitated calcium compound pigment largely within the fibers as well as on the fibers.

2,599,093

PIGMENTED CELLULOSE FIBER

William Lutton Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 17, 1948, Serial No. 15,510
12 Claims. (Cl. 106—204)

1. Highly pigmented cellulosic pulp comprising the dried residue of swollen, hydrated and gelatinized cellulosic fibers and an amount of finely-divided pigment in excess of the dry weight of the fibers, and not exceeding about 16 times the weight of the fibers, the pigment being selected from the class which consists of precipitated inorganic salts of calcium, barium and zinc, the finely-divided pigment being largely within the cellulosic fibers but also on and around said fibers, the finely-divided pigment within the fibers having been precipitated in situ therein by reaction of one soluble salt with a second soluble salt while the second soluble salt is within the fibers while they are in a swollen, hydrated and gelatinized state, said pigment material forming a pulp-like mass on admixture with water.

2,599,094

CELLULOSIC FIBROUS CALCIUM SILICATE PIGMENT, A METHOD OF MAKING IT AND A SHEET OF PAPER CONTAINING IT

William L. Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application December 10, 1949, Serial No. 132,410
15 Claims. (Cl. 92—3)

1. The method of producing a pigmented and gelatinized cellulosic fibrous stock particularly adapted for admixture with unpigmented cellulosic fibrous stock in the manufacture of paper which comprises subjecting, at ordinary temperatures, an aqueous suspension of cellulosic fibers to the action of a solution of calcium chloride until the calcium chloride brings about a gelatinization of the cellulosic fibers, and adding a solution of sodium silicate to the gelatinized cellulosic fibers containing the calcium chloride to react therewith and precipitate finely-divided hydrated calcium silicate in and on the fibers, the amount of calcium chloride in the solution and the amount of sodium silicate added to the cellulosic fibers being sufficient that the amount of precipitated hydrated calcium silicate remaining in and on the fibers is in excess of the weight of the fibers.

8. Highly-pigmented gelatinized cellulosic fibers produced in accordance with the method of claim 1 and containing an amount of finely-divided, precipitated, hydrated calcium silicate in excess of the dry weight of the fibers.

15. A new sheet of paper made of admixed fibers, from 5% to 25% of which are highly pigmented gelatinized cellulosic fibers as defined in claim 8 and the remainder of the fibers are ungelatinized cellulosic fibers.

2,599,095

SHOE POLISHER

Al Fred Daniel and Thomas A. Patterson, Jackson, Miss.

Application May 1, 1950, Serial No. 159,338
5 Claims. (Cl. 15—209)



5. A disposable shoe polisher comprising an elongated flexible backing of substantial tensile strength, a plurality of relatively superposed sheets of flexible fibrous material applied over the face of said backing, the end portions of said respective sheets being secured to said backing, and the opposite ends of said backing being folded over the adjacent ends of said superposed sheets to provide reinforcing handles for use in manipulating said polisher, said sheets respectively being provided with weakened zones beneath said handles to facilitate removal of said sheets as desired.

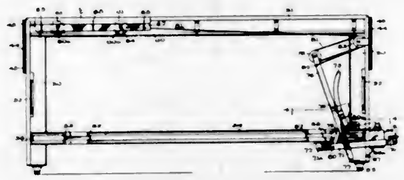
2,599,096

PORTABLE WORKBENCH FOR POWER-DRIVEN HAND AND TABLE TOOLS

Theodore L. Dirksen, La Belle, Mo., assignor to Fred L. Spicknall, La Belle, Mo.

Application July 7, 1950, Serial No. 172,512
4 Claims. (Cl. 144—286)

1. In a portable bench for reciprocably supporting automatic hand and table tools having an open area in its upper surface to form a guideway and extending longitudinally of the bench, tracks on the bench, one on each side of the guideway and extending longitudinally thereof, a roller supported bracket supported by each of said tracks and detachably connectible with a table element of an automatic power tool to be inserted in said guideway, the rollers of each bracket having an axle extending through the bracket, an interchangeable spacer sleeve surrounding the axle of each roller and interposed between the bracket and roller, and means for detachably fastening the end of the roller-axle to said bracket, whereby the distance between the roller and bracket may be varied to accommodate power-tools of different sizes.

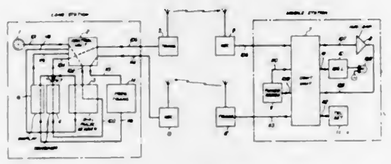


2,599,097

RADIOTELEPHONE STATION IDENTIFYING SYSTEM

Ferdinand S. Ents, Mount Kisco, and Robert O. Soffel, Hastings on Hudson, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1948, Serial No. 68,348
17 Claims. (Cl. 179—84)



1. In a bidirectional radio telephone multiparty selective signalling system, a party identification arrangement comprising a distinctive combination of tuned signal generators at each party station, means for simultaneously energizing a plurality of said signal generators at any party station, and receiving means at a calling station responsive to signals from said energized generators at any party station, said receiving means adapted to identify selectively any party station in accordance with the distinctive combination of signals received therefrom.

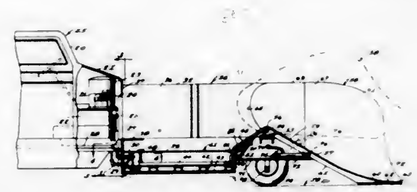
2,599,098

SNOW MELTER AND VAPORIZER

Leonard J. Flynn, Salina, Kans.

Application July 29, 1949, Serial No. 107,503
2 Claims. (Cl. 126—343.5)

1. A snow melter and vaporizer comprising an upstanding hopper for receiving snow to be melted, a closed hot box underlying and dependingly supported from the lower end of said hopper, a plurality of burners extending through and supported in an end wall of said box and each having one end in communication with the interior of said box, a separate source of liquid fuel and of air under pressure connected to the other ends of said burners, a horizontally disposed vaporizing coil positioned within said box and exposed to the flames from said burners, means on one end of said coil and in communication with the bottom of said hopper for receiving the water as the snow is melted, an upstanding exhaust pipe exteriorly of said hopper and having one end connected to the other end of said vaporizing coil for conveying and discharging water vapor from said coil, the upper end of said exhaust pipe being in communication with the atmosphere, and conduit means leading from the interior of said firebox and to said exhaust pipe for conveying the products of combustion emitted from said burners into said exhaust pipe.

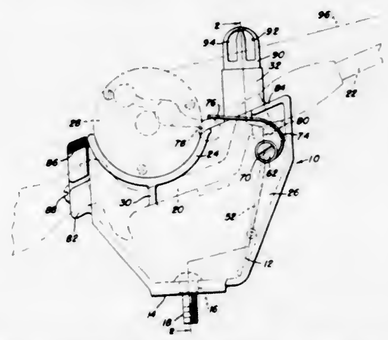


2,599,099

FISHING ROD HOLDER

John M. Folker, Cleveland, Ohio, assignor of forty-five per cent to Dewey S. Folker, Cleveland, Ohio

Application August 24, 1948, Serial No. 45,941
7 Claims. (Cl. 242—84.1)



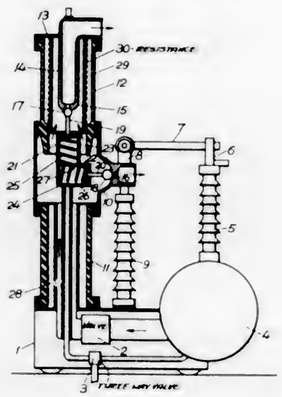
4. In combination with a fishing reel having a rotary operating crank handle, a holder comprising, a housing having a recess therein receiving said reel, a battery compartment at one side of said housing, a battery positioned in said compartment and including a terminal and a base, an electrical signal operatively connected to the terminal of the battery, a resilient switch arm at one side of said housing disposed in the path of rotation of said operating crank handle for engaging the latter, a flexible conductor having first and second end portions, means mounted in said compartment and yieldingly urging the first end portion of said conductor against the base of said battery, means securing the arm to said housing and also connecting said arm to the second end portion of said conductor, and an abutment on said housing against which said arm is urged by said crank handle during rotation of said crank handle.

2,599,100

COMPRESSED AIR CIRCUIT BREAKER WITH A PLURALITY OF SERIES CONNECTED BREAKING GAPS

Haakon Forwald, Valhalla, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application January 17, 1948, Serial No. 2,913
In Sweden May 29, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 29, 1962
7 Claims. (Cl. 200—145)



1. A compressed air circuit breaker comprising a pair of series connected breaking gaps, a metal casing, an insulating cylinder carried by said casing, insulating means supporting the casing, a metal top cap on said cylinder, a metal member depending from said cap, the stationary contact of one of said gaps being located at the lower end of said depending member and the stationary contact of the other gap being formed in said metal casing, and insulating means supporting the moveable contacts of said gaps within the space formed by said metal casing and insulating cylinder.

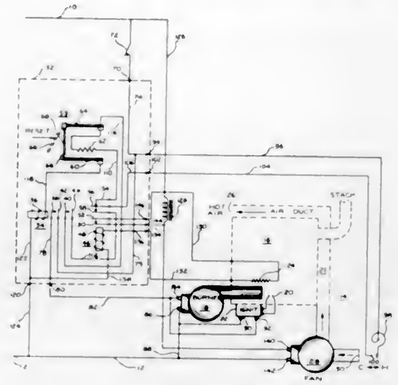
2,599,101

HEATING CONTROL APPARATUS

Paul G. Frerer, Baltimore, Md., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware

Application December 19, 1947, Serial No. 792,762
3 Claims. (Cl. 236—9)

1. In combination, heating apparatus including a combustion chamber and a heat transfer medium circulating system having delivery and return vents, said medium circulating system being in heat exchange relationship with said combustion chamber, a thermally responsive switch adjacent said return vent, an electrically operable burner, a thermistor thermally associated with said combustion chamber, a limit switch, a burner control relay connecting said burner with a power supply, said burner relay having an energizable coil, a safety switch connecting said burner relay coil with said power supply through said limit switch and said return vent circuit controller, an electric actuator for said safety switch receiving energy through said burner relay coil, an electric motor driven fan moving said medium between said return and delivery vents and connected with said power supply through a circuit normally energizing said motor for relatively low speed operation, a flame relay having an operating winding connected with said power supply and with said thermistor associated with said combustion chamber, a set



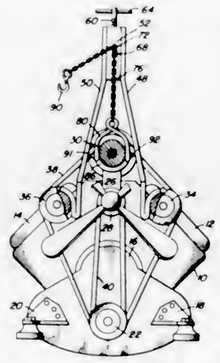
of flame relay controlled contacts disabling said safety switch actuator in the presence of combustion in said chamber, and means completing a high speed power circuit to said motor when said safety switch actuator is disabled.

2,599,102

AUTOMOBILE ENGINE BELT TOOL

J D Gilbreath, Alpine, Tex.

Application March 15, 1949, Serial No. 81,427
1 Claim. (Cl. 254—99)



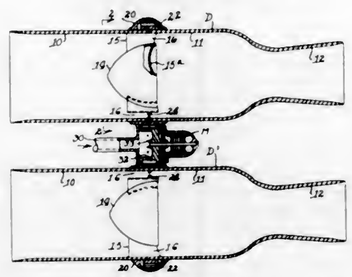
For use with an engine which has a plurality of pulleys, a tool for tightening a belt entrained about the pulleys comprising a standard and a clamp, means carried by said standard and attached to said clamp for raising and lowering said clamp, the clamp including a curved cradle member adapted to detachably engage the lower surface of one of the pulleys, means carried by said standard for supporting said standard on portions of the periphery of at least two other pulleys, and adjustable members carried by said curved cradle member to engage said belt, whereby when said cradle member is lifted said adjustable members engage said belt and hold it spaced slightly from the pulley which is contacted by said curved cradle member.

2,599,103

LIQUID FUEL FEEDING MEANS FOR RESONANCE COMBUSTION CHAMBERS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application October 17, 1946, Serial No. 703,882
2 Claims. (Cl. 60—35.6)



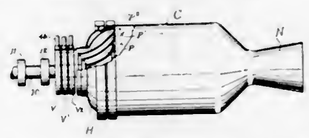
1. In a resonance apparatus comprising a combustion unit having an air-collecting portion, a discharge nozzle aligned therewith and a combustion portion interposed between said air-collecting portion and said discharge nozzle and through which air flows in a continuous stream, and said combustion portion having a multiplicity of peripheral fuel ports disposed in an annular series in said portion, in combination, a single annular fuel valve rotatable about said combustion portion and having a multiplicity of fuel-admitting openings equal in number and spacing to said peripheral fuel ports, means to supply liquid fuel to the air in the continuous airstream through said multiplicity of fuel-admitting openings and peripheral ports, and a single independent power means effective to rotate said fuel valve and to thereby open and close all of said fuel-admitting openings and said peripheral fuel ports simultaneously and at predetermined high frequency.

2,599,104

VALVE MECHANISM FOR ROTATING FEEDING HEAD FOR COMBUSTION CHAMBERS

Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York

Application January 6, 1950, Serial No. 137,113
4 Claims. (Cl. 299—150)



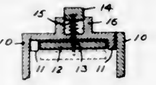
1. In combustion apparatus having a fixed combustion chamber and a rotating feeding head, that improvement which comprises, a fixed annular feeding conduit which is axially extended adjacent said feeding head and which has an open axial passage therethrough, and said conduit having an annular slot in the conduit end adjacent said head, a sleeve valve axially slidable in said annular conduit, and pressure-operated means to move said sleeve valve, and said axially open annular conduit and annular valve structure facilitating nesting of a plurality of separate and concentric valves.

2,599,105

FASTENER DEVICE

Robert N. Green, New York, N. Y.

Application October 28, 1947, Serial No. 782,594
5 Claims. (Cl. 292—162)



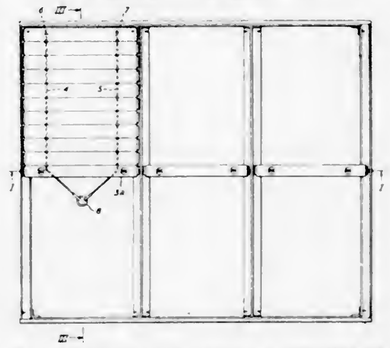
1. A bag fastening device, comprising a frame having opposed complementary base members, dependent keepers projecting downwardly from each of said base members, a latch member carried by one of said base members and urged into engagement with said dependent keepers, and means for depressing said latch member out of engagement with the dependent keepers of both of said base members.

2,599,106

HATCH COVER

Charles Guthrie Guthrie, Formby, England, assignor to M. E. P. Company Limited, Liverpool, England, a British company

Application February 2, 1948, Serial No. 5,772
In Great Britain October 1, 1946
2 Claims. (Cl. 160—232)



1. A hatch cover comprising a plurality of parallel contiguous hollow cover elements having tubes extending transversely through the cover elements from one side to the other side thereof said tubes having their ends formed as part-spherical sockets in the side edges of said cover elements, a plurality of flexible lines threaded transversely through said cover elements, via said tubes, flexibly to connect said cover elements as a unit, and balls in said sockets in the ends of the tubes, said balls being threaded on the flexible lines to provide ball and socket devices at the sides of the cover elements to facilitate articulation thereof.

2,599,107

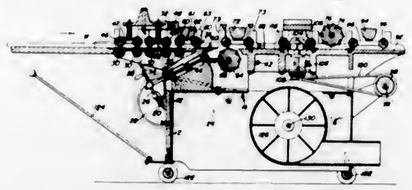
JOINTING AND MOLDING MACHINE

Herold H. Hebestreit, Mio, Mich.

Application June 29, 1950, Serial No. 171,030
3 Claims. (Cl. 144—36)

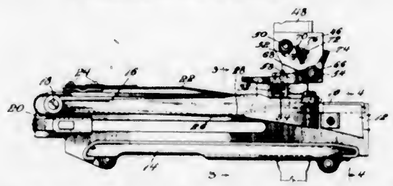
1. In a wood working machine for strip material, a platform structure over which the work is adapted to be fed and having a rear feed end

from which the work is fed forwardly, said structure including a vertically adjustable platform section adjacent said feed end, a series of driven coplanar work feeding rollers mounted in said adjustable section for unitary vertical adjustment thereby toward the work, a presser head above said series of rollers, a series of work feeding and presser rollers above the first named



series connected in spring pressed pairs to said presser head, a cutter for operation against the bottom of the work rotatable about an axis transverse to said structure and extending upwardly through said structure forwardly of said series of rollers, and a pair of driven side cutters rotatable about vertical axes at opposite sides of the work forwardly of the first cutter and staggered relatively to dispose one forwardly of the other.

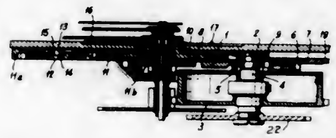
2,599,108
SHUTTLE BOX
Harold Hoeber, deceased, late of Dartmouth, Mass., by Barbara O. W. Hoeber and William T. Read, executors, Dartmouth, Mass., assignors, by mesne assignments, to Hoosac Mills Corporation, Boston, Mass., a corporation of Massachusetts
Application January 28, 1947, Serial No. 724,726
9 Claims. (Cl. 139—187)



1. In a loom, a loom frame, an oscillating lay, a shuttle box on said lay, a friction device for retarding the shuttle as it enters the shuttle box, a light spring fixed to the lay and engaging said friction device, an arm pivoted to the loom frame and having one end arranged to engage said lay as it moves toward and away from its rearmost position, and spring means arranged to urge said arm into contact with said binder to apply maximum pressure thereto when the lay approaches the rearmost limit of its movement.

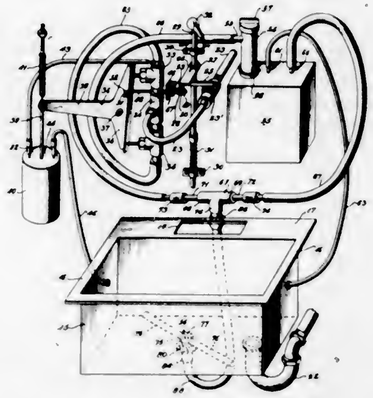
2,599,109
WINDING INDICATOR
Herbert Jeanneret, Geneva, Switzerland
Application July 31, 1951, Serial No. 239,443
In Switzerland August 11, 1950
5 Claims. (Cl. 58—85)

1. In a time piece, the combination of automatic winding up means, a barrel, a spring contained therein controlled by the winding up means, a spring-expansion indicator, a member operating same, a swinging lever lying in the path of said member, a gearing operating said indicator and including a wheel rotatably mounted on said swinging lever, the arrangement being such that when the spring is completely wound up, said member abuts against said swinging



lever and shifts it in a manner such as to disconnect said wheel, which leads to a stopping of the spring expansion indicator.

2,599,110
DISHWASHING MACHINE
Earl Roycroft Johnson, Wichita, Kans.
Application January 14, 1946, Serial No. 641,054
12 Claims. (Cl. 134—56)

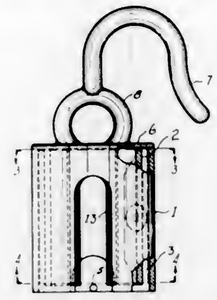


1. In a dish washing machine, a source of water supply, a sprayer for spraying the dishes, a mixing device connected with the sprayer for forming with the water when supplied thereto and a suds forming agent a suds solution, a self-closing main control valve governing the flow of water from the source, a controller for opening the main valve, a normally open valve and a normally closed valve respectively controlling the flow of water from the main control valve to the sprayer and to the mixing device, and means automatically operative when the main valve is opened to keep the normally open valve opened for a predetermined period of time, then close it and open the normally closed valve and keep it open for a predetermined period of time, then return the last named valve to normal closed position and after a period close the main valve.

2,599,111
SAFETY TAG HOLDER
Carl L. Kicher, Punxsutawney, Pa.
Application February 19, 1948, Serial No. 9,461
1 Claim. (Cl. 40—19)

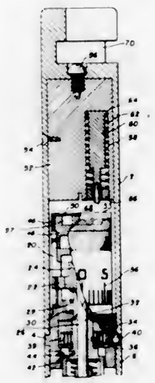
A tag holder for power line substation safety tags comprising a double wall cylindrical housing having a top wall and a slotted socket for the end of a switch pole, the lower end of the housing being open and the outer wall of the housing

being of translucent material for displaying a colored tag mounted between the double cylindrical walls, spacers for said double walls consisting of parallel strips on opposite sides of the



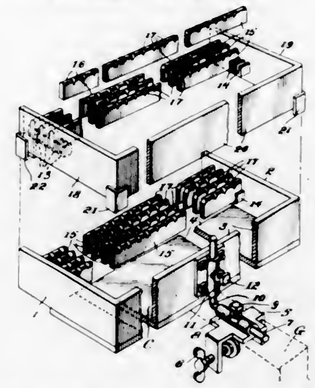
slot in said socket, and a stop lug provided on the outer wall member opposite said slot for preventing displacement of the safety tag, said housing being provided with a hook and eye for attaching the same to a switch arm.

2,599,112
APPARATUS FOR DETERMINING THE TIME OF DESCENT OF INSTRUMENTS WITHIN BOREHOLES
William F. Krueger, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application October 7, 1947, Serial No. 778,376
3 Claims. (Cl. 346—7)



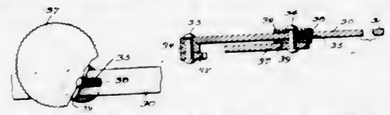
3. Apparatus adapted to be dropped go-devil fashion within a bore hole comprising a clockwork timer operative for a predetermined time interval, well surveying apparatus controlled by said timer after the predetermined time of operation of said timer, a record member driven by said timer and a marking element subject to vertical inertial movement constructed and arranged to engage and mark the record member when movement of the apparatus is suddenly arrested, said marking element recording on said record member a record of the time of descent of the apparatus within the bore hole and a record of the time interval after descent of the apparatus and before the time of control of the surveying instrument by the timer.

2,599,113
AUTOMATIC TROT LINE SETTER
Marvin Latta and James Higgins, Mount Vernon, Ill.
Application April 5, 1949, Serial No. 85,512
1 Claim. (Cl. 43—54.5)



In a sectional trotline setter having an upper section and a lower section and the lower section forming a receptacle for a coiled trotline, and a pair of opposed end walls for each section, the combination with means for detachably mounting the upper section on the lower section, of a series of stirrup brackets mounted on adjoining faces of the opposed walls, and a series of removable and interchangeable rack bars each rack bar being adapted to be mounted in a pair of said stirrup brackets in each section, said rack bars being provided with supporting and guiding means for the branch hook-lines of the trotline.

2,599,114
SELF-ADJUSTING WRENCH
Clarence B. Lober, United States Army, Dayton, Ohio
Application September 3, 1947, Serial No. 771,961
2 Claims. (Cl. 81—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

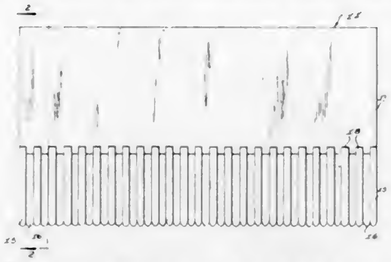


1. A wrench comprising a bar formed at one end to provide a handle, a jaw mounted on the opposite end of the bar, a serrated disc, a slot in the bar, a pivot pin eccentrically mounted on the disc and extending through said slot, and resilient means in the slot for biasing the pin and disc toward said jaw.

2,599,115
HAIR COMB
Hubert J. Lovegrove, Rio de Janeiro, Brazil
Application September 15, 1950, Serial No. 185,050
In Brazil December 9, 1949
3 Claims. (Cl. 132—13)

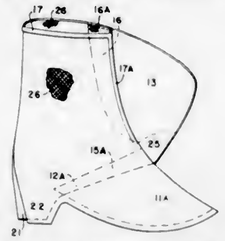
1. A self-cleaning comb comprising a pair of flexible plate members secured together in face to face relation at their upper marginal portions, the lower portions of the plate members being spaced apart and movable towards each other,

coplanar laterally offset equally spaced, substantially parallel, straight, depending teeth carried by each plate member, the teeth of one plate member being staggered longitudinally with respect to the teeth of the other plate member and the teeth of the respective plate members



being inwardly offset in opposite lateral directions with respect to the respective plate members, whereby the teeth of one plate member may be moved relative to the teeth of the other plate member by flexing the lower portions of the plate members inwardly towards each other.

2,599,116
FOOTWEAR AND METHOD OF MAKING SAME
Peter H. Margulis, New York, N. Y.
Application February 25, 1949, Serial No. 78,247
2 Claims. (Cl. 36—7.3)



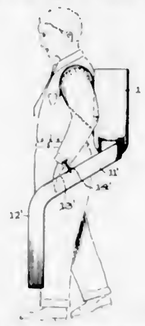
1. An article of footwear of the overshoe type having unitary quarters, a vamp, a substantially triangular instep closure flap and heel-inclosing portions extending downwardly from the lower edges of the quarters, the closure flap being connected to one of the quarters with the apex thereof being substantially midway the upper and lower edges of said quarter and extending from said quarter to approximately midway of the other quarter, a reinforcing strip secured throughout its area to the inner face of the first named quarter at the front vertical margin thereof with the front edge of the reinforcing strip positioned to mate with the downwardly extending edge of said other quarter when in closed position on the foot, one side of the vamp being integral with said other quarter and the other side of the vamp being connected integrally to and extending beyond the first named vamp portion, and said other quarter having an upwardly extending edge separated from the first named quarter by an elongated, downwardly extending notch forming the throat of the completed product, said extending vamp portion being folded over and secured to the lower edge of the first named quarter, the lower portion of said closure flap extending over and being secured to the outer surface of the vamp portion below said notch.

2,599,117
LADDER EXTENSION
Joe E. Maxson, Sandusky, Ohio
Application October 13, 1949, Serial No. 121,132
1 Claim. (Cl. 228—63)



For use with a ladder rail, an extension attachment comprising an elongated channel member having marginal offset flanges, said channel member being mountable on a ladder rail with said flanges spaced from said rails, a pair of C-shaped plate members slidably engaging said flanges, an extension element comprising an integral U-shaped rod having a bight portion and a pair of legs, each of said plate members being secured to and spaced apart by said pair of legs, said pair of legs having portions bent adjacent said bight portion to define a foot for said extension element, ratchet teeth on said channel member, and a pawl carried by said extension element and engaging said ratchet teeth.

2,599,118
FERTILIZER DISTRIBUTOR
John P. McMillan, Kosciusko, Miss.
Application January 14, 1950, Serial No. 138,591
2 Claims. (Cl. 222—175)



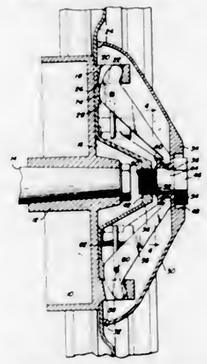
1. A fertilizer distributor comprising a tank adapted to be carried against an operator's back, a downspout extending downwardly and forwardly from the tank through which fertilizer may be discharged, said downspout extending forwardly a distance sufficient that an operator carrying the tank on his back readily may observe the manner in which fertilizer is discharged from the lower end of the downspout, said downspout having an opening in its upper side of sufficient size that an operator may insert his hand therethrough into the downspout to control the amount

of fertilizer discharged from the tank, and a valve in the downspout between the opening therein and the tank operable to prevent flow of fertilizer through the downspout.

2,599,119
ETHYLENE/BUTENE-1,4-DIOIC ACID MONOESTER COPOLYMERS
David M. McQueen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 18, 1950, Serial No. 180,303
8 Claims. (Cl. 260—78.5)

1. A copolymer consisting of ethylene with a dicarboxylic acid monoester having the general formula HOOC—CH=C(R)—COOR′ wherein R is selected from the class consisting of hydrogen and monovalent hydrocarbon radicals free of aliphatic unsaturation containing up to 18 carbon atoms and R′ is a monovalent hydrocarbon radical free of aliphatic unsaturation containing up to 20 carbon atoms, said copolymer containing from 7 to 40 moles of ethylene per mole of said dicarboxylic acid monoester.

2,599,120
WHEEL ASSEMBLY
John C. Melling, Provo, Utah
Application June 21, 1948, Serial No. 34,295
7 Claims. (Cl. 301—9)



3. A wheel assembly comprising a brake drum, a plurality of lugs fixed to said brake drum and projecting outwardly therefrom, a wheel disk having a plurality of openings receiving the lugs, said wheel disk having a central, outwardly projecting portion, a hub cap engaging the wheel disk and including a central portion spaced relative to the central portion of the wheel disk, a bolt rotatably carried by the central portion of said hub cap and receivably engaging the central portion of said wheel disk, means for locking the bolt against rotation, and means carried by the hub cap lockably engaging the lugs.

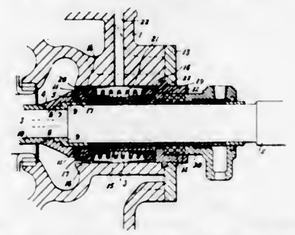
2,599,121
WINDOW SHADE PULL
George B. C. Miller, Jr., Baltimore, Md.
Application August 14, 1951, Serial No. 241,791
3 Claims. (Cl. 160—384)

3. A window shade pull including a generally rectangular tab support of material flexible throughout conformed to the cross sectional configuration of and embracing the shade stick hem of a window shade; and a tab of material flexible throughout and generally rectangular when viewed in blank, said tab being transversely folded upon itself medially between its ends to define a pair of side walls equal in length and equal in width, integrally interconnected at one end thereof, said side walls being integrally formed with lower side wall portions, contiguous to the connected ends thereof, said lower portions being joined in face to face contact for disposi-



tion in the plane of a window shade below the shade stick hem thereof, said lower portions merging into upper side wall portions and diverging upwardly from the lower portions in embracing relationship to said tab support and adapted by the flexible nature thereof to be conformed to the cross sectional configuration of the tab support and of the respective sides of the hem, said tab having its upper portions secured to the tab support, for supporting of the tab by said support.

2,599,122
SEAL BETWEEN RELATIVELY ROTATABLE PARTS
William Hutcheson Park, deceased, late of Hooton, Wirral, England, by Helen Park, executrix, Hooton, Wirral, England, assignor to Sigmund Pumps Limited, Gateshead, England, a company of Great Britain
Application July 5, 1949, Serial No. 103,112
In Great Britain July 5, 1948
4 Claims. (Cl. 286—26)



1. Means for providing a mechanical seal between a housing and a shaft extending through it and arranged for relative rotation, comprising an annular sealing surface at one end of an annular space between the said relatively rotatable parts and fixed with regard to one of said relatively rotatable parts, a sleeve surrounding the shaft with clearance and adapted to float in said annular space, a second annular sealing surface at one end of said sleeve and adapted to make rubbing contact with the first mentioned sealing surface, a pair of channel section flexible rings disposed in the annular space and surrounding the floating sleeve with the open ends of the channels towards one another, a first abutment on the sleeve engaged by the outer surface of the bottom of one of said channel section flexible rings and a second abutment fixed with regard to the housing and engaged by the outer surface of the bottom of the other of said chan-

nel section flexible rings, said rings being frictionally held against the housing on one side and frictionally held against the sleeve on the other side, and means biasing said rings away from one another to maintain rubbing contact between the two annular sealing surfaces.

2,599,123

COPOLYMERS OF ETHYLENE WITH AN ALKYL ACRYLATE AND AN ALKYL MONOESTER OF A BUTENE-1,4-DIOIC ACID

Paul S. Pinkney, Niagara Falls, N. Y., and Burt C. Pratt and Winston J. Wayne, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 18, 1950, Serial No. 180,302
12 Claims. (Cl. 260—78.5)

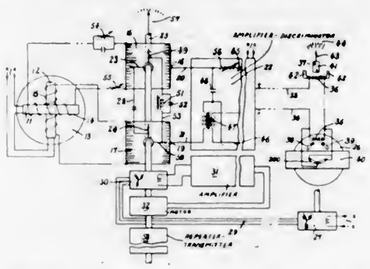
1. A copolymer of ethylene with an alkyl acrylate and an akyl hydrogen maleate having an ethylene/alkyl acrylate mole ratio of 0.25:1 to 8:1 and an alkyl hydrogen maleate/alkyl acrylate mole ratio of 0.02:1 to 0.50:1.

2,599,124

GYROMAGNETIC COMPASS APPARATUS

Harold Charles Pritchard, Ivor Lewis Thomas, and Gwilym Emrys Roberts, South Farnborough, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland, a company of Great Britain

Application February 27, 1948, Serial No. 11,556
In Great Britain February 13, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 13, 1965
11 Claims. (Cl. 33—222)



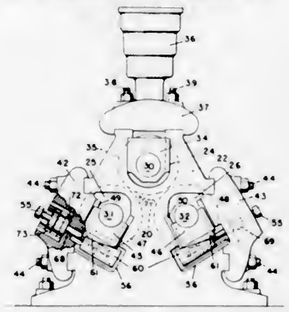
1. Gyromagnetic compass apparatus comprising a plurality of electro-magnetic detector elements for generating oscillatory electrical outputs corresponding to components of the earth's field along different reference axes respectively, said outputs defining a magnetic heading reference, two sine-cosine resolver devices each having input terminals, output terminals, and rotatable adjusting means for adjusting said device to produce at said output terminals an output electrical variation substantially proportional to the product of an input electrical variation applied to said input terminals and the sine of angular displacements of said adjusting means, means for applying said oscillatory electrical outputs respectively to said input terminals of said devices to generate at said output terminals voltages whose amplitudes vary with the sine and cosine respectively of displacements of said adjusting means, gyroscope means to afford a gyroscopic heading reference, means to combine said voltages to generate a control voltage dependent upon the difference between said magnetic and gyroscopic heading references, means responsive to changes in said gyroscopic heading reference to apply adjusting torque to said adjusting means and means to apply said control voltage to modify said torque in a sense to reduce said difference.

2,599,125

SUGAR MILL HOUSING

Camille Provost, Jeanerette, La.

Application April 17, 1947, Serial No. 742,056
1 Claim. (Cl. 100—47)



In a three roller mill having the top roller fixed for rotation with a turn plate having end housings formed with bearing recesses and bearing blocks for rotatably mounting and angularly moving the axes of each of the lower rollers of the mill in a straight line from the axis of each lower roller to the axis of the top roller, said bearing blocks being angularly movable along a straight line centered from the respective axes of the lower rollers to the axis of the top roller in each of said recesses to permit adjustment of the axes of the lower rollers when moving said bearing means in converging straight lines to compensate for wear of the roller surfaces, to thereby maintain the same angle of pressure between the rollers and the same position with respect to the turn plate, compound raising and lowering means for adjusting said bearing blocks comprising a pair of wedge members, one of each pair operatively supporting one of said bearing blocks, said members including a main wedge having a longitudinally extending threaded bore and an equalizing wedge slidable relative to each other, a bolt with a threaded end, a head and an enlargement below the head, said threaded end being adjustably engaged in the threaded bore of the main wedge for relatively adjusting the wedge members, whereby said exterior roller surfaces are maintainable at said same angle of pressure and position with respect to the turn plate and means on the bolt embracing each side of the said enlargement on the bolt serving to lock said bolt against axial movement.

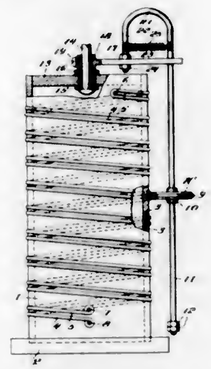
2,599,126

HELICAL LINEAR REACTANCE

Roland D. Reed, Hamilton Square, N. J.

Application February 26, 1948, Serial No. 11,280
3 Claims. (Cl. 336—138)

1. A helical linear reactance comprising a cylindrical wall of non-conductive material, a pair of spaced conductors positioned in spaced relation around the cylindrical wall, said conductors connected together at one end of the cylindrical wall, terminals on the opposite end of the cylindrical wall with each conductor of the pair connected to a terminal, a shaft journaled in one end of the cylinder, an arm carried by the said shaft, a rod carried by the arm and extended along the surface of the cylinder, spaced from the surface of the cylinder and parallel thereto,



and a wheel freely rotatable on said rod and positioned to contact both conductors of the pair providing a traveling bridge for connecting the conductors at varying distances from the said terminals.

2,599,127

STERILIZING DETERGENT COMPOSITION AND METHOD OF USE

John Charles Lovell Resuggan, London, England, assignor to Industrial and Commercial Detergents Limited, London, England

No Drawing. Application February 19, 1948, Serial No. 9,636. In Great Britain March 28, 1946
3 Claims. (Cl. 252—106)

2. A method of cleansing and sterilizing returnable food containers which comprises scouring the said containers with a jet of an aqueous solution containing a tetra-alkyl quaternary ammonium compound having the following general formula:



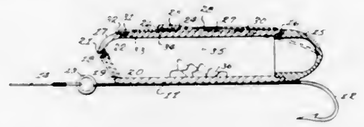
wherein X is an anion, R_1 and R_2 are octyl radicals, R_3 and R_4 are alkyl radicals selected from the group consisting of methyl, ethyl, propyl and butyl.

2,599,128

FISH LURE

Jesse E. Roberts, St. Ignatius, Mont.

Application March 21, 1950, Serial No. 151,007
2 Claims. (Cl. 43—26.2)



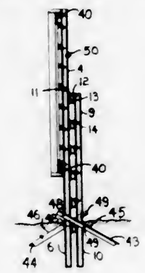
1. A fish lure comprising a hollow body having a filler opening at one end thereof and a restricted outlet opening spaced from said filler opening, a closure cap detachably secured to said body closing said filler opening, said body having a water inlet opening at its other end, a valve carried by said body in closing relationship to said inlet opening to admit water into said body through said inlet opening and preclude escape of fluid under pressure from the interior of said body through said inlet opening, a rib on said body providing a hook formation adjacent said outlet opening, a wing structure of sheet material and of substantially triangular shape having a slot therein receiving said rib, said wing structure being engaged under said hook formation to secure it to said body and having its apex portion in covering relationship to said outlet opening, and a valve element dependingly carried by the apex portion of said wing structure and resiliently held by said wing structure in closing relationship with said outlet opening, said hollow body being adapted to hold gas generating material to produce gas under pressure when exposed to water admitted through said inlet opening, the escape of which through said outlet opening and past said valve element imparts vibratory movement to said wing structure.

2,599,129

BILLBOARD CONSTRUCTION

Pierre L. Michael and Kenneth L. Robison, Houston, Tex.

Application May 12, 1947, Serial No. 747,558
2 Claims. (Cl. 40—125)

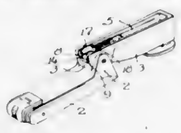


1. An outdoor bill board brace and support construction for displaying a panel comprising, a plurality of spaced vertically arranged panel supports extending upwardly from the ground, a vertical bracing beam aligned with and positioned rearwardly of each of said panel supports, said bracing beams extending upwardly to approximately midway of said panel supports, spaced, horizontally disposed connecting beams secured between said vertical supports and bracing beams for holding them together, a pair of brace beams connected to said panel supports and said bracing beams, one of the brace beams of said pair being secured on one side of said panel support above ground level and secured to said vertical bracing beam adjacent and below the ground level and the other brace of said pair being secured to the other side of said panel support above ground level and secured to said vertical bracing beam adjacent and below the ground level with said pair of braces extending downwardly thereinto in opposite directions to cross-brace and anchor said panel supports and vertical brace beams, a plurality of formed holders extending transversely of the display panel on the back thereof and a plurality of shaped bolts longitudinally spaced along said panel support for engagement with said formed holders to position the panel on the supports.

2,599,130
LAMINATED SHEET MATERIAL
George G. Rumberger and Alfred M. Heald, Neenah, Wis., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Application September 19, 1949, Serial No. 116,617
13 Claims. (Cl. 154—50)

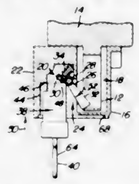
3. A laminated sheet material comprising at least two base sheets and a film of wax intercalated therebetween which wax is substantially nonreactive with urea.

2,599,131
LATCHING MEANS FOR STAPLE SUPPORTING SLIDES
George J. Rundblad, Elmwood Park, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application June 6, 1950, Serial No. 166,323
5 Claims. (Cl. 1—3)



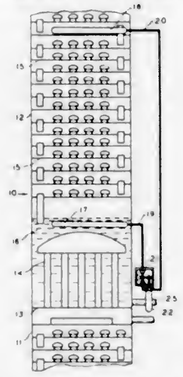
1. In a stapling machine, a body portion, a staple slide, a flexible compensator secured adjacent the rear end of said staple slide, and a latch pivotally secured to said flexible compensator, said latch being engageable with said body portion to secure said staple slide on said body portion.

2,599,132
LOCK FOR FIREARM TRIGGERS
Elmer W. Sass, Quincy, Ill.
Application April 13, 1950, Serial No. 155,749
2 Claims. (Cl. 42—70)



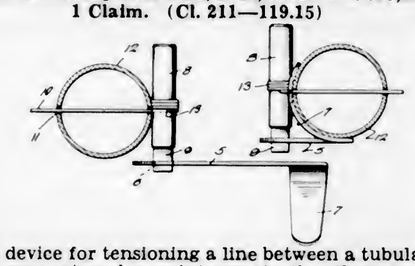
1. In a locking attachment for preventing actuation of a trigger in the trigger guard of a firearm, the combination of a housing affording a receptacle for a trigger guard and provided with a lock chamber and with an opening extending between said chamber and the interior of said receptacle, an elongated locking member pivoted intermediate the ends thereof in said opening, said locking member having a relatively short end portion disposed in said chamber and a relatively long end portion projecting from said opening into said receptacle to engage the stated guard and retain said housing in position thereon, resilient means for projecting the long end portion of said member into the receptacle, said housing being recessed to afford a shoulder intermediate the ends of said chamber, and a key-actuated lock cylinder rotatable and slidable in said chamber and having an inner end provided with a sectionally reduced adapter in operative engagement with the short end portion of said locking member whereby the long end portion of said member may be retracted from said receptacle into said opening when said lock cylinder is slid in said chamber to a position wherein said adapter is disposed inwardly of said shoulder, said adapter being engageable with said shoulder upon outward sliding and rotation of said cylinder to prevent the latter from sliding inwardly.

2,599,133
METHOD AND APPARATUS FOR CONTROLLING FRACTIONATING COLUMNS
Clarence J. Schilling, Allentown, Pa., assignor to Air Products, Incorporated, a corporation of Michigan
Application May 23, 1949, Serial No. 94,877
7 Claims. (Cl. 62—2)



1. Apparatus for stabilizing the purity of oxygen collecting in the lower end of an air fractionating column having an oxygen withdrawal line comprising, means sensitive to temperature changes at a level in the column where the oxygen is at the maximum purity, means sensitive to temperature changes at another level in the column in the neighborhood of the point where the argon concentration is beginning to decrease from maximum concentration and the nitrogen concentration is low but is beginning to increase, and means actuated by the first and second claimed means in response to changes in the temperature differential between the two levels to control the rate of the oxygen withdrawal through the withdrawal line.

2,599,134
CLOTHESLINE STRETCHER
Roland R. Scofield, Niles, Mich.
Application September 25, 1946, Serial No. 699,288
1 Claim. (Cl. 211—119.15)



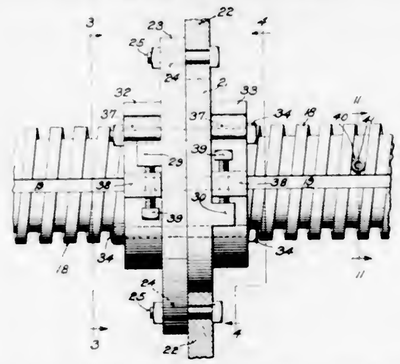
A device for tensioning a line between a tubular line support and a point remote therefrom and comprising a cylindrical drum having a transverse opening adapted for anchoring a line therefor winding on the drum, said support having a transverse opening through which the line is slidable and said line manually rotatably holding the drum at right angles to the axis of the support, a handle constructed of strap metal and detachably connected at one end to the drum, and an arcuate crank arm projecting laterally at one edge of the handle outwardly with respect to the attached end of the drum when the handle is placed thereon in one position and said crank arm projecting inwardly with respect to the attached end of the drum to partially embrace the support and lock the drum from rotation in a predetermined direction when the handle is reversed on the drum.

2,599,135
BALLASTED REED FOR MUSICAL INSTRUMENTS
René Seybold, Strasbourg-Meinau, France
Application August 5, 1947, Serial No. 766,411
In France November 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 16, 1963
4 Claims. (Cl. 84—363)



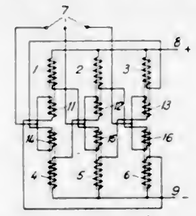
1. A vibrating blade, for use with a reed block of a musical instrument, the said blade having perforations therethrough equally spaced apart along the longitudinal axis of the said reed and ballast weights disposed on both sides of the said reed, and means for connecting each pair of the said oppositely disposed ballast weights projecting through the said perforations of the reed.

2,599,136
ADJUSTABLE WHEEL AND AXLE ASSEMBLY
Delmer F. Sherman, New Plymouth, Idaho
Application June 21, 1950, Serial No. 169,412
3 Claims. (Cl. 301—128)



1. In a wheel and axle assembly of the type in which the axle is externally screw threaded and axial adjustment of the wheel is effected by relative rotation of the two, and wherein the axle has an external keyway utilized for locking the wheel in a selected position of axial adjustment, the improvement comprising a hub member for carrying the wheel and provided with an internal screw thread to mate with the axle screw thread and further provided with an internal keyway to aline with the axle keyway, locking members disposed on opposite sides of said hub member and slidable on the axle, said locking members having keys slidable in the keyway of the axle, at least one of said keys being adapted to extend into the keyway in said hub member for holding the latter against rotation on the axle, slack-take-up means between said hub member and said locking members including tension screws carried by one member and reacting against another member to relatively rotate the two members, and removable fastenings for securing said locking members on opposite sides of said hub member.

2,599,137
SPARE CONNECTED POLYPHASE TRANSDUCTOR
Harald M. Sörensen, Fruens Boge, Denmark, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application April 20, 1949, Serial No. 88,649
In Sweden April 24, 1948
4 Claims. (Cl. 323—89)

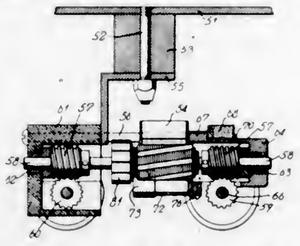


1. A polyphase transductor having windings adapted to be traversed by both alternating and direct current, comprising at least two constituent transductors, each constituent transductor comprising two three phase sections, each such section including three windings each composed of two winding parts, three alternating current terminals, one winding of each section being connected to each of such terminals, a pair of direct current terminals, all the windings of one section being connected to one of such direct current terminals and all the windings of the other section being connected to the other direct current terminal, and a plurality of magnetic cores supporting said windings, each core supporting two winding parts one from each three phase section, the winding parts of each winding being supported on different cores.

2,599,138
MODEL ELECTRIC LOCOMOTIVE
Willis G. Stewart, Portsmouth, R. I., assignor to Midgage Models, Inc., Portsmouth, R. I., a corporation of Rhode Island
Application January 16, 1947, Serial No. 722,431
9 Claims. (Cl. 105—49)

2. In a scale model railway train an electric motor for use on double polarized track having a drive shaft and a worm gear system at each extremity of said drive shaft for transmission of power to the driving axles, said forward worm gear system being encased in a hollowed out block of dielectric material through the base extremities of which pass the axle, said block having positioned in it a bearing for holding and aligning the forward end of said drive shaft, and said block being retained in position and alignment with the motor by longitudinal spacers passing through the opposite sides of said block and

thence through the field laminations of said motor; a rear worm gear system encased in a hollow metal frame, said frame being retained in position and alignment by said longitudinal spacers, said frame having in rotating alignment with it a collar of dielectric material, a rear driving axle positioned in the opposite base extremities of said collar, said collar being retained in



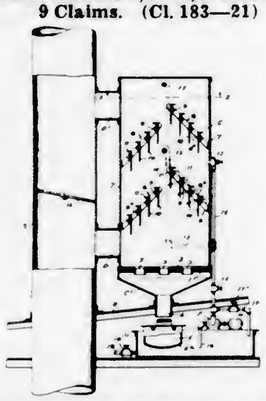
position by a snap ring positioned in a groove in said frame, and said collar with axle and wheel assembly attached being capable of rotative movement around the drive shaft, said rotative movement being limited to the width of an opening on the underside of said frame through which emerges the driving gear of said rear worm gear system.

2,599,139

APPARATUS FOR SEPARATING SOLIDS FROM CURRENTS OF GASES

Thomas K. Stevenson, Cleveland, Ohio, assignor to National Smoke Control Corporation, Cleveland, Ohio, a corporation of Ohio

Application October 5, 1949, Serial No. 119,706
9 Claims. (Cl. 183—21)



3. In an apparatus for separating solids from a current of gas, the combination of an upright chamber; means for causing the current to flow upwardly through said chamber; a plurality of baffles pivoted in said chamber so as to hang substantially vertically and be rotated about their pivots by said current and thereby provide surfaces for obstructing solid particles in said current; said baffles being arranged in spaced groups extending diagonally upwards from the sides of the chamber in staggered relation; means on said baffles for limiting the degree of rotation to provide a sinuous passage for said current between said baffles; a hopper below said chamber, said chamber having a plurality of vents discharging into said hopper; a discharge conduit for said hopper; and a container removably disposed below said conduit.

2,599,140

IODINE DETERGENT

Abraham Taub, New York, N. Y., assignor to Benjamin Clayton, doing business as Refining, Unincorporated, a sole proprietorship

No Drawing. Application March 30, 1949, Serial No. 84,481
16 Claims. (Cl. 252—121)

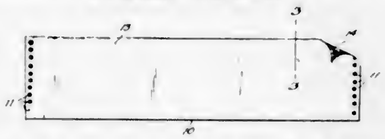
1. A disinfecting detergent composition, which comprises, a major proportion of solvent mixture of glycerin and at least one glycol in which the glycol is predominantly water-soluble polyalkylene glycol and in which the weight ratio of glycerin to glycol is between approximately 1 to 3 and 3 to 1, said solvent mixture containing in solution therein minor proportions of elemental iodine, alkali metal iodide and at least one detergent, the detergent content of said composition being predominantly anionic organic nonsoap synthetic detergent and being inert to reaction with iodine, the amount of said detergent being between 3 and 20% of said composition by weight.

2,599,141

REVERSIBLE SUMMER-WINTER COVER FOR BEEHIVES

Merritt I. Taylor, Richmond, Va.

Application December 27, 1948, Serial No. 67,366
6 Claims. (Cl. 6—1)



2. In a summer-winter cover for a beehive adapted to extend over and about the side walls of the hive, said cover comprising a strip of flexible bendable material and having a light ray-reflecting surface covering the outside thereof and a dark ray-absorbing surface covering the inside thereof, said cover being reversible to place said dark ray-absorbing surface outermost, when desired, and means carried by the end edges of said strip of flexible material to connect the same together and secure said strip about the hive.

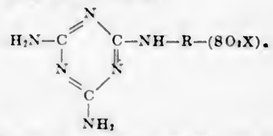
2,599,142

TANNING AND BLEACHING LEATHER WITH A SULFOAROMATICMELAMINE-FORMALDEHYDE RESIN

Jack T. Thurston, Riverside, and Pierrepont Adams, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 12, 1949, Serial No. 110,022
5 Claims. (Cl. 8—94.21)

1. A process of tanning and bleaching which comprises treating hides and skins with an aqueous solution of a water-soluble acid-sensitive condensation product of 1 mol of a sulfonated aromatic hydrocarbon substituted melamine having the formula



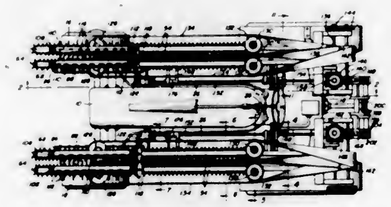
wherein R is an aromatic hydrocarbon radical, X is selected from the group consisting of hydrogen, alkali metal and ammonium, and n is an integer from 1 to 3 with about 1 to about 5 mols of formaldehyde.

2,599,143

BROOMCORN HARVESTER

Frank H. Thompson, Rolla, Kans.

Application January 16, 1948, Serial No. 2,747
12 Claims. (Cl. 56—17)



1. A broomcorn harvester which includes a pair of elongated spaced parallel side bars mounted on a farm tractor to rock in unison about a transverse horizontal axis near the rear end of the tractor, said bars extending longitudinally in substantially parallel relation to the tractor with their forward ends projecting beyond the forward end of the tractor, an endless conveyor chain mounted on each bar for movement in a horizontal closed path, horizontally projecting fingers on the chains which cooperate in advancing cut broomcorn toward the rear of the harvester, a sickle carried by the bars below and adjacent their forward ends, means coupled to the power take-off of the tractor to drive the sickle and the chains in unison as the tractor advances along a standing crop of broomcorn, means carried by the tractor and connected to the bars to rock the bars about the horizontal axis and raise or lower the sickle, a rotary elevating cylinder mounted on each bar immediately behind the sickle, radial fingers on each cylinder cooperating to elevate the brush cut by the sickle and means driven by the power take-off of the tractor for rotating said cylinders and elevating the brush.

2,599,144

POLYMERIC N-BOROUREAS AND THEIR PREPARATION

Robert W. Upson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 9, 1949, Serial No. 80,567
8 Claims. (Cl. 260—77.5)

1. A process for preparing a polymeric N-borourea which comprises reacting a compound selected from the group consisting of biuret and an alkylene diurea having at least one hydrogen atom on each terminal nitrogen atom with a compound selected from the group consisting of hydrocarbon, chlorohydrocarbon, alkoxyhydrocarbon and aryloxyhydrocarbon boronic acids and monohydric alcohol esters thereof, said reactants being heated below 300° C. to a temperature at which a compound from the class consisting of water and alcohol formed in the reaction is vaporized from the reaction mixture.

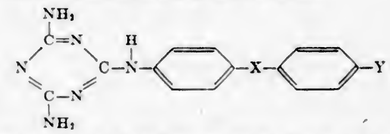
2,599,145

TRIAZINE DERIVATIVES OF DIPHENYL SULFONES, SULFOXIDES, AND SULFIDES, AND METHODS OF PRODUCTION

Ruth H. Vogel, New York, N. Y.

No Drawing. Application August 6, 1951, Serial No. 240,606
6 Claims. (Cl. 260—239.7)

1. A compound having the formula



in which X is a radical selected from the group consisting of SO_2, SO, and S, and Y is a radical selected from the group consisting of NH_2, NO_2, and 2,4-diamino-s-triazinyl-6-amino.

2,599,146

SPRING CLIP

Cecelia F. Wagner and William J. Farrell, San Francisco, Calif.

Application October 4, 1949, Serial No. 119,448
3 Claims. (Cl. 24—81)



1. A spring clip formed of wire and comprising a pair of main straight arms disposed in side by side abutting relationship, an inwardly directed loop positioned longitudinally and outwardly of and adjacent to each of said main arms and having one of its arms connected to one end of the adjacent main arm, the other arm of each of said loops forming a resilient tongue adapted to be flexed with respect to said main arms, a second inwardly directed loop positioned longitudinally and outwardly of each of said main arms and adjacent each of said first named loops and each spaced from the adjacent first named loop, each of said second loops having one arm connected to the other end of the adjacent main arm, and together with the other arm of each of said second named loops forming a free spring arm adapted to be flexed with respect to said main arms.

2,599,147

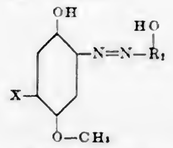
CHROMIFEROUS MONOAZO-DYESTUFFS

Willy Widmer, Bottmingen, and Jakob Brassel, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application February 7, 1949, Serial No. 75,088. In Switzerland February 26, 1948

6 Claims. (Cl. 260—151)

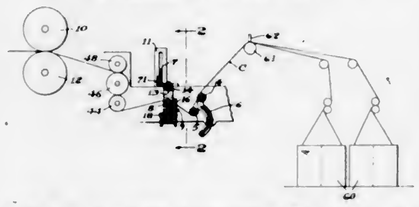
1. A complex chromium compound of a monoazo-dyestuff of the formula



in which R_2 represents a naphthalene radical which contains at least one and at most two sul-

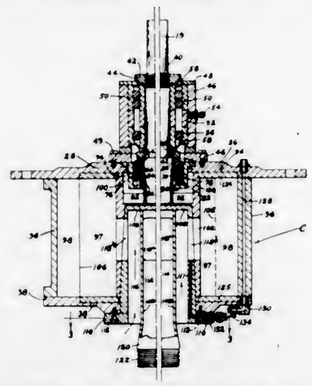
fonic acid groups and which is bound to the azo-linkage in ortho-position to the hydroxyl group and X represents a member selected from the group consisting of a hydrogen atom and a halogen atom.

2,599,148
APPARATUS FOR CUTTING FIBERS
Robert C. Wilkie, Andover, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
Application April 27, 1948, Serial No. 23,585
3 Claims. (Cl. 164—61)



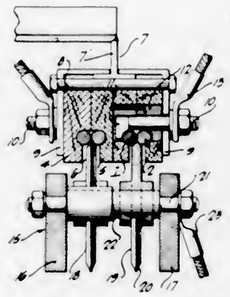
1. In an apparatus for cutting fibers to variable lengths in which a number of strands of fibers are arranged in a sheet and are cut by a pair of cutting rolls one of which has cutting threads set helically thereon, feed rolls in advance of the cutting rolls, a roll mounted in a tiltable frame, means to guide the sheet of fibers over said roll, and means to rock said frame in a vertical plane about a pivot below the axis of said roll and in a vertical plane midway between the ends of said roll to alternately displace the sheet of fibers passing thereover both vertically and laterally whereby said sheet of fibers is moved sidewise by said roll and is delivered at varying angles to said feed rolls.

2,599,149
COMPRESSOR APPARATUS
John L. Allen, Boston, Mass.
Application December 10, 1949, Serial No. 132,349
5 Claims. (Cl. 230—79)



1. Compressor apparatus comprising a non-circular, outside casing embodying a top and a bottom, a shaft extending into said casing, a rotor in said casing attached to and rotatable with said shaft and embodying a body enclosing a space interiorly thereof, said casing having an impeller blade space outside said rotor body, impeller blades attached to said body and extending outwardly into said impeller blade space, but being spaced from said outside casing at its wider portions whereby there is a space for liquid outside said blades, a plate at the bottom and a plate at the top attached to said blades and adjacent said casing bottom and top respectively, said rotor body having a plurality of ports in communication with said body interior space and with said casing impeller blade space, and a hollow, distributor plug within said rotor body interior space and fixed to said casing around which said rotor is adapted to rotate, said plug having two intermediate wall portions spaced apart which together with peripheral portions of said plug define two inlet, side chambers and an outlet, intermediate chamber within said space enclosed by said rotor body, said plug having ports therein whereby said side and intermediate chambers communicate with said body ports.

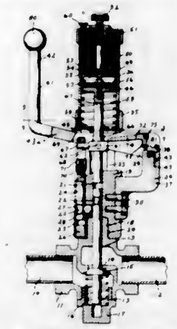
2,599,150
OVERHEAD TROLLEY WIRE MOUNTING
Lloyd L. Babcock, Torrance, and Millard L. Thorpe, Lomita, Calif.
Application April 10, 1950, Serial No. 154,988
5 Claims. (Cl. 191—23)



1. An overhead trolley wire mounting comprising a pair of conductor wires, said wires being positioned side by side, a sheath partially enclosing the wires and pressing said wires together, clamp means securing said sheath around said wires, electrical conducting means extending through the sheath to said wires, said two wires forming a groove therebetween, and a trolley wheel engaging said groove formed by said electrical wires.

2,599,151
RECIPROCATING ELEMENT OPERATING DEVICE
Robert M. Baldwin, New Castle, Ind.
Application June 1, 1948, Serial No. 30,398
6 Claims. (Cl. 161—1)

1. A stem shifting device comprising a body; a stem carried by the body shiftable between first and second positions; means normally yieldingly maintaining said stem in said first position; a cylinder; a head in the cylinder; a fluid reservoir above said head; a piston in the cylinder; a piston rod between said piston and said stem; spring means normally urging said piston toward said head; a lever; a rod carried projecting member in the path of said lever to be contacted by rocking the lever to pull said piston away from said head and shift said stem to a second predetermined position; means actuated by pressure differential between opposite sides of said head induced by travel of said piston away from said head permitting one way flow of fluid from said reservoir to the space between said piston and said head; a return fluid control passageway of predetermined size to said reservoir from said space; interlocking means retaining said stem in said second position; and means actuated by said spring means following in part at least evacuation of said fluid from said space releasing said interlocking means to permit said stem maintaining means to return the stem to its first position.



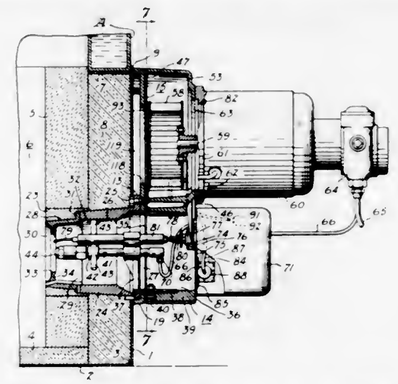
2,599,152
BEAUTY SHIELD
Rosella G. Bartfay, Cleveland, Ohio
Application April 19, 1950, Serial No. 156,900
3 Claims. (Cl. 2—174)



1. A beauty shield in the form of a unitary, flat, split brim of resilient water-proof material having overlapped end portions and designed to be fitted around the head of a wearer to expose the hair for treatment with shampooing, waving, and like liquids and to seal around the head to protect the face and neck from such liquids, said brim including an elastic, relatively soft inner marginal edge of shape to embrace the head of the wearer and of size smaller than the head of the wearer thereby requiring expansion of said brim when fitted around the head of the wearer, said brim when thus expanded being automatically warped to generally frusto-conical form and yieldably tending to assume its flat unexpanded condition so as to effect snug sealed engagement of such inner marginal edge thereof about the head, the overlapped end portions, in the normal flat condition of said brim, being resiliently held in contact with each other.

2,599,153
OIL BURNER OF THE ATOMIZING TYPE
Reginald W. Beckett, Elyria, Ohio
Application May 1, 1948, Serial No. 24,559
23 Claims. (Cl. 158—4)

5. In a heater-burner combination, a heater structure defining a combustion chamber and having a casing wall with an aperture therein opening to the combustion chamber, and a fluid fuel burner mounted on said wall, the burner including a housing member having walls defining open faced fan and air chambers disposed in confronting relation to the casing wall and a connecting passage between said fan and air chambers, flange means extending laterally from the housing member and distributed about the periphery thereof, fastening means distributed about the periphery of the housing member and extending between the flange means and predetermined points of the casing wall to support the housing member on the heater structure for facile removal and replacement, said fastening means being adapted to locate the housing member in predetermined relation on the casing wall of the heater with the air chamber registered with said aperture in the casing wall, an air tube extending substantially to the combustion chamber from said last mentioned aperture in the casing wall and registered with the open faced air chamber, a fan in the fan chamber, means secured to and wholly supported by the housing member for actuating the fan to draw air into the fan chamber and to force such air through the air chamber and the air tube, said fan actuating means and the housing member comprising a unit readily removable from and replaceable on the casing wall, and means for supplying fluid fuel to mix with air forced through the air tube.



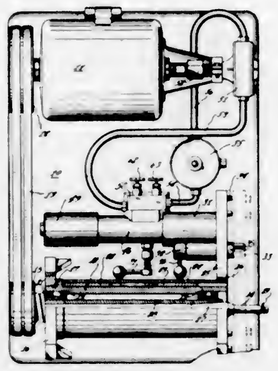
2,599,154
CAN-OPENING DEVICE
Michael C. Bell, Milwaukee, Wis.
Application April 5, 1951, Serial No. 219,447
3 Claims. (Cl. 30—5.5)



1. A device of the character described comprising in combination, a semi-circular shearing blade and a handle, said blade open at one point and provided with two separate ends, each of said ends equipped with engaging hook members extending inwardly, said blade provided with a contact point at its lower edge opposite said

hook members, and an elongated, horizontal slot disposed immediately above said contact member, said handle formed with a hook member for engagement through the slot in said blade, said hook disposed in opposite relation to the handle and extending inward toward the engaging hooks in the opposite side of the blade.

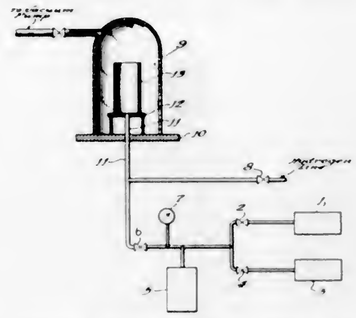
2,599,155
HIGH-SPEED BORING MACHINE
Orval Van De Bogart, Seattle, Wash.
Application July 1, 1948, Serial No. 36,399
1 Claim. (Cl. 77—3)



In combination with a boring machine, a base, a hollow spindle bearing housing fixed at one end to the base, a spindle assembly journaled in the spindle bearing housing and having a cutting element extending therefrom, a work holder sleeve slidable upon the spindle bearing housing, a horizontally extending work holding plate fixed at one end to said work holder sleeve, power means connected to the opposite end of the work holder plate including a piston and a movable sleeve slidable upon the piston and fixed at one end to the work holder plate, a manually adjustable cam device mounted on the plate and projecting forwardly therefrom, said work holding plate having centering projections, a work holder clamp connected to the work holder plate and having openings receiving the centering projections on the work holder plate and the cam device portion, said work holder clamp including a frame having a fixed jaw and a jaw movable in the frame toward and away from said fixed jaw, said movable jaw having an opening receiving the manually adjustable cam device whereby the movable jaw can be operated by the device, said jaws being adapted to receive a work piece and adapted to hold the same in alignment with the cutting element.

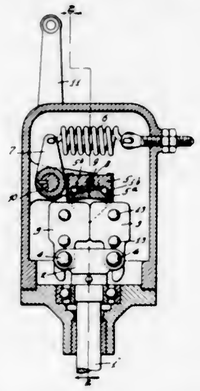
2,599,156
THERMAL NEUTRON DETECTOR ELEMENT
Henry W. Bousman, Scotia, N. Y., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application January 3, 1950, Serial No. 136,601
7 Claims. (Cl. 313—93)

1. An article having a base coat containing a thermal neutron-reactive element unenriched with respect to the thermal neutron-reactive isotope and a surface coat in intimate contact therewith containing said thermal neutron-re-



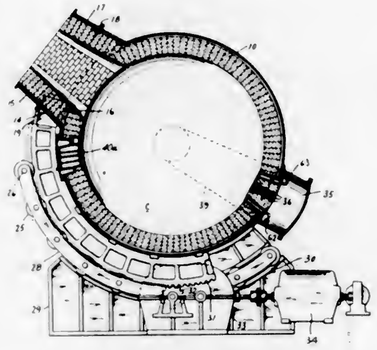
active element enriched with respect to said thermal neutron-reactive isotope.

2,599,157
CENTRIFUGAL SPEED RESPONSIVE MECHANISM
Le Roy Valentine Bradnick, Anderson, Ind.
Application April 1, 1947, Serial No. 738,661
4 Claims. (Cl. 264—15)



1. In a speed-responsive mechanism, a rotatable shaft, an arm mounted for swinging movement about a first axis, a thrust member supported from said arm independently of said shaft for swinging movement about a second axis parallel to but spaced from said first axis, said first axis being located in a plane perpendicular to said shaft and spaced therefrom by a distance such that the axis of the shaft will be approximately tangent to the path followed by said second axis as the arm swings about the first axis whereby said thrust member may move for a distance extending generally along said axis, said thrust member having a generally plane thrust-face intersected by the shaft-axis and maintainable generally normal to the shaft-axis by swinging of the thrust member about said second axis as said arm swings about the first axis, fly weights pivotally supported from said shaft for outward swinging movement under the influence of centrifugal force as the shaft rotates, said fly weights having portions engaging the thrust-face of said thrust member to exert an arm-swinging thrust thereon as the fly weights swing outwardly, and yielding means acting on said arm to oppose swinging thereof by the thrust which the fly weights exert on the thrust member.

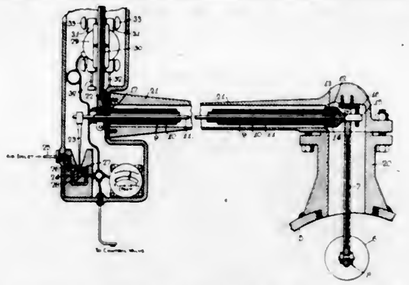
2,599,158
CYLINDRICAL CONVERTER
Herman A. Brassert, Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Application December 2, 1948, Serial No. 63,158
1 Claim. (Cl. 266—36)



A converter for producing steel comprising a cylindrical chamber for receiving a charge of iron, a refractory lining in said chamber, means for supporting said chamber for rocking movement about its axis with the latter in a horizontal plane, a charging nose portion at about the mid-portion of said chamber, a wind box extending lengthwise of and fixed to the outside of said chamber, a row of tuyères connected to said wind box for directing air into the chamber, said tuyères comprising a frame member having hollow walls defining a space extending from the front to the back of the frame member, a tuyère brick filling in said space having tuyère openings therethrough, and means for circulating cooling water through said hollow walls to cool said filling; a water cooled member opposite to said tuyères and adjacent to said nose portion to protect said lining against impinging slag and flame, and means for rocking said chamber between a position in which the tuyères are disposed entirely below the surface of the charge and the nose portion is directed upwardly, and a position in which the nose is directed downwardly and the tuyères are entirely above the surface of the charge.

2,599,159
LIQUID LEVEL AND FLOW CONTROL
Harry B. Breedlove, Baton Rouge, La.
Application September 13, 1946, Serial No. 696,741
8 Claims. (Cl. 137—139)

5. In a device for transmitting an indication of the magnitude of a force, two torsionally flexible members secured to each other at one end and free to rotate with respect to each other at the other end, means securing one of said flexible members against rotation at said other end, valve means connected to said one end and responsive to an angular displacement of said one end, and pressure-responsive means connected to the outlet of said valve means and in torque-transmit-



ting relation with a point at said other end of the other of said flexible members.

2,599,160
FISHING ROD SUPPORT
William F. Brauer, Pasadena, Calif.
Application September 14, 1950, Serial No. 184,790
2 Claims. (Cl. 248—42)

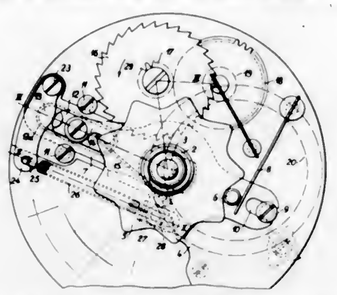


1. A support device for fishing rods, said support device including a screw actuated clamp having a bearing thereon, a base plate fulcrumed upon said bearing for tilting movement thereof, a bar pivotally connected to said base plate, a bracket connected to the pivot of said bar and plate adapted to non-rotatably clamp said bar with respect to said plate, a second bracket, said second bracket being connected to the pivot of said bar and plate and extending laterally therefrom, a guide-rod hingedly connected to said last mentioned bracket, a tubular housing substantially encasing said guide-rod and having oppositely disposed fingers fixedly secured thereon, a spring in said tubular housing cooperable with said guide-rod and adapted to resist a lifting pressure applied to one of said tubular housing fingers, and means on said bar adapted to cradle a fishing rod therein, the other of said tubular housing fingers being adapted to resiliently bear upon said fishing rod intermediately of said cradle means upon release of the first mentioned tubular housing fingers.

2,599,161
OVERWINDING PREVENTER
Georges Bridevaux, Tavannes, Switzerland, assignor to Tavannes Watch Co. S. A., Tavannes, Switzerland, a firm of Switzerland
Application April 17, 1951, Serial No. 221,419
In Switzerland December 22, 1950
6 Claims. (Cl. 58—83)

1. In a timepiece, a barrel spring, a barrel ratchet, a sliding member, a pin rigid with said member, a rotary cam, a spring acting on said

pin to keep it in contact with said cam so that said cam imparts to said sliding member a reciprocating movement, a slider mounted on said sliding member and capable of being displaced on said member, a means carried by said slider for driv-



ing said barrel ratchet, and a coil spring returning said slider and intended to yield, when the tension on the barrel spring reaches a given value, in such a way that the ratchet remains immobile even when the displacements of the sliding member continue.

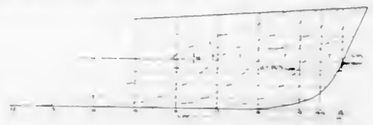
2,599,162
COMBINATION VENTING, FILLING, AND GAUGING DEVICE FOR FUEL OIL TANKS
Joseph Brown, Drexel, Pa.
Application April 8, 1947, Serial No. 740,212
1 Claim. (Cl. 220—3.8)



A venting and filling device which comprises a casting having a front face with an extending peripheral flange therearound and having venting and filling passages and a first recess, an indicator in said first recess, sockets on the rear of the casting and in line with said passages and first recess to receive connections from a remote tank and from a liquid level responsive device in said tank, a cover pivoted to the casting, means acting as a fastening means and a pivot means to hold the cover tight against the casting and to loosen the same therefrom, said casting having a second recess remote from the pivot axis of the cover and a finger on the cover extending into said second recess when the fastening means is tightened, to abut the walls of said recess to prevent the cover from swinging from its closed position.

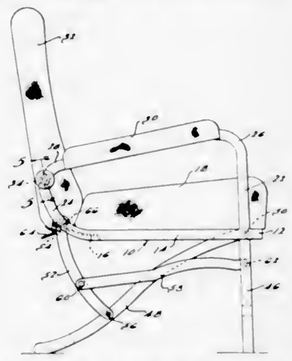
2,599,163
SHIP FORM
Leone Costa, Canido-Vigo, Spain, assignor to W. K. Maier, New York, N. Y.
Application February 25, 1948, Serial No. 10,709
In Germany January 24, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 24, 1961
3 Claims. (Cl. 114—56)

1. In the construction of the forepart of a ship's hull: a frame, including a plurality of underwater frame sections, a plurality of dead work frame sections and a plurality of transition parts interconnecting said underwater frame sections and said dead work frame sections, said underwater frame sections being disposed in the direction of radii drawn from a common center below the bottom line and forming angles of less than 50°, said dead work frame sections being disposed in the direction of radii drawn from a common center below the bottom line and forming angles greater than 50°, said underwater frame sections extending upwardly substantially



to the constructional water line, said dead work frame sections extending downwardly substantially to a line intersecting the constructional water line at a distance of about 20% of the total length of the ship from the stem and upwardly inclined from said point of intersection towards the stem at an angle of approximately 7°, and said transition parts being disposed in the zone defined by the constructional water line and the upwardly inclined intersecting line of aforesaid and connecting the upper end of the underwater frame sections and the lower end of the dead work frame sections.

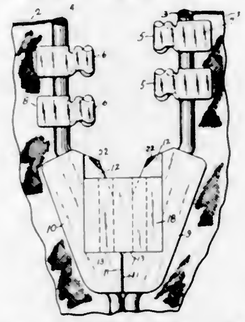
2,599,164
FOLDING CHAIR
Roger G. Cudini, Birmingham, Mich., assignor to Moynahan Bronze Company, Detroit, Mich., a corporation of Michigan
Application August 13, 1947, Serial No. 768,444
2 Claims. (Cl. 155—139)



1. A folding chair comprising a seat frame, an upholstered seat cushion supported on and secured to said seat frame, rigid arm rest frames secured to said seat frame at opposite sides thereof, arm rest pads on said arm rest frames, an upholstered seat back disposed between said arm rest frames and pivotally connected thereto in spaced relation above the lower edge of said back and in spaced relation above said seat frame so that said back may be pivoted forwardly to a position between said arm rest frames and below the upper surfaces of said arm rest pads, said back being so proportioned that in the setup position of said chair the lower edge of said back is disposed adjacent the rear of said seat frame, front

legs having the upper ends thereof pivotally connected to said seat frame adjacent the front thereof, back legs extending forwardly and pivotally connected to the seat frame adjacent the front thereof, and a linkage member pivotally connected to the back adjacent said lower edge thereof and pivotally connected to one of said back legs intermediate the ends thereof, and another linkage member pivotally connected to said last named linkage member intermediate the ends thereof and pivotally connected to one of said front legs intermediate the ends thereof, to fold said legs upon pivotal movement of said back to said position between said arm rest frames.

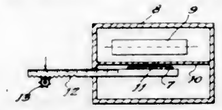
2,599,165
MOLDED STOP MECHANISM FOR SLIDING CLASP FASTENERS
Everett E. Day, Andover, Mass., assignor to The Bolta Company, Lawrence, Mass., a corporation of Massachusetts
Application March 13, 1946, Serial No. 654,099
4 Claims. (Cl. 24—205.11)



1. A top stop for sliding clasp fasteners for holding the stringers in properly spaced relation to facilitate the movement of the slider upon the complementary series of interlocking elements thereof comprising a top stop assembly having complementary stop members of thermoplastic material longitudinally embracing and fixedly secured to the marginal edges of the upper end portions of the respective stringers and having at the inner edges of their upper end portions abutting flat faces lying in a longitudinal plane centrally between said stringers and in parallelism with the path of the slider, front and rear channels in said members extending in parallelism with the plane of said flat faces providing T-shaped tenons therebetween, and a locking member having longitudinal channels slidably engaging said T-shaped tenons of both stop members releasably securing said stop members to each other and adapted to arrest the slider when moved into engagement therewith.

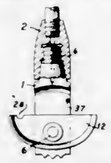
2,599,166
METHOD OF IDENTIFYING RADIOACTIVE COMPOUNDS
Arthur J. Dempster, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 17, 1945, Serial No. 611,103
1 Claim. (Cl. 250—83.6)

The method of identifying the radioactive components of a composition comprising adding to the composition known isotopes having known half-lives, ionizing the combination of the composition and the known isotopes, separating the ions into groups having different mass-to-charge ratios, collecting each group individually upon a non-radioactive adhering collector, and measuring at known time intervals the radio-



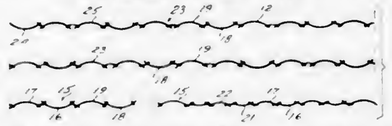
activity of the material deposited by each group upon the collector plate, whereby the chemical elements that constitute each group of common mass number may be determined by the characteristics of the radioactive decay of the group.

2,599,167
SCRAPING OUT DEVICE FOR MINING BOREHOLES
Joseph Dionisotti, Monthey, Switzerland
Application February 21, 1947, Serial No. 730,152
In Switzerland February 23, 1946
3 Claims. (Cl. 255—76)



1. An expansion drill comprising a coupling nut having a bore extending over a portion of its length, an inner, substantially cylindrical portion of the bore being threaded and another adjacent, coaxial outer portion of the bore being conical; two plates contacting with each other along a plane through the rotation axis of the drill, the upper portions of said plates forming together a screw and an adjacent cone engaging said threaded and said conical portions of said coupling nut, respectively, said plates having grooves adjacent to each other so as to provide a slot, and cylindrical recesses the diameters of which diminish with increasing distance from said contacting plane and the common axis of which is perpendicular to this contacting plane, and a tool disposed in said slot and having substantially the same width as said plates, hub portions connected with said tool and rotatably inserted in said recesses, said tool having a cutting edge having the configuration of substantially one half of an ellipse for transforming the pressure of the drill upon advance movement of the coupling nut at least partly into a moment force for pivoting said tool into working position.

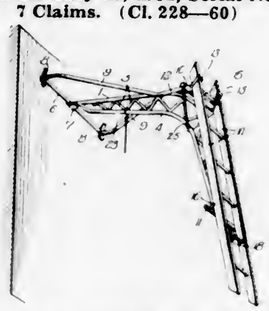
2,599,168
PLEATED FABRIC AND GARMENT MADE OF SAME
Samuel Feldman, Forest Hills, N. Y.
Application May 16, 1951, Serial No. 226,657
6 Claims. (Cl. 66—177)



1. A fabric composed of resilient yarn comprising a number of parallel longitudinal series of alternate parallel longitudinal rows of knit and

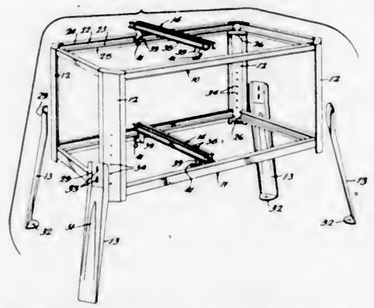
purl stitching and wherein the first rows of each of the said series are greater in width than the latter rows of each of the said series so that the resiliency of the said yarn causes a permanent pleated effect in the said fabric.

2,599,169
LADDER BRACKET
Fay B. Finney, Platteville, Wis.
Application January 13, 1951, Serial No. 205,923
7 Claims. (Cl. 228—60)



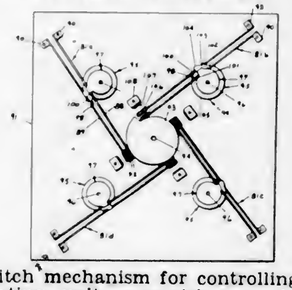
1. A bracket for holding the top of a ladder outwardly from a vertical wall, comprising: a tubular member having a section adapted to lay alongside the rungs of the ladder and a second section disposed at an oblique angle to the first section; a cross bar fixed on the free end of said second section; shoes fixed on the ends of said cross bar for engaging the wall; a pair of vertically spaced apart cross bars fixed on said first section for engaging the rails of the ladder; loops on the upper one of said latter cross bars for encircling the rails of the ladder and engaging the top rung thereof to support the bracket on the ladder; and a latch on said first section for engaging a rung of the ladder to lock the bracket thereon.

2,599,170
TOOL SUPPORT
Norvin H. Franks, Chicago, Ill., assignor to Sturdi-Bilt Steel Products, Inc., Chicago, Ill., a corporation of Illinois
Application September 15, 1949, Serial No. 115,815
4 Claims. (Cl. 248—23)



3. In a tool support, a frame having a pair of spaced parallel flanged strips, supporting bars extended between the strips with their ends fitted against the strip flanges, each of the supporting bars being formed by a pair of beams connected in spaced parallel relation, a curved clamp frame pivoted at one end thereof adjacent each end of the supporting bars between the beams with its other end extended around the adjacent flange on a frame strip and a bolt carried by said other end of each clamp frame and in engagement with the associated strip to clamp the bar to the strip flange.

2,599,171
ELECTRIC HEATING SWITCH
Hadley F. Freeman, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1949, Serial No. 101,200
4 Claims. (Cl. 200—33)

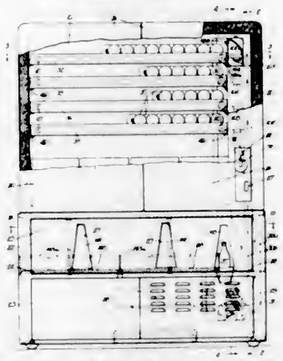


1. Switch mechanism for controlling an electric heating unit, comprising a plurality of switch contact members in the circuit to said unit and arranged to complete or disrupt said circuit, at least two of said contact members being mounted for individual and relative movement, biased to switch open position, and movable to switch closed position, and a fixed contact member positioned for coaction with one of said movable contact members and electrically connected to the other movable contact member, and actuating means operable to cyclically move said movable contact members into circuit completing contact and permit separation movement of said movable contact members into circuit disrupting position, and a variable positioning device coacting with the movable contact members to vary the actuating effect of the actuating means on said contact members whereby to vary the proportionate part of each actuating cycle during which said contact means are in and out of circuit completing engagement, said variable positioning device being further effective to completely remove the normally spaced movable contact members from the actuating influence of the cyclic actuating means and maintain said movable contact members in circuit open position, and said variable positioning device being still further effective to completely remove the normally spaced movable contact members from the actuating influence of the cyclic actuating means and to move the movable contact member other than that contact member connected to the fixed contact member into circuit completing contact with said fixed contact member.

2,599,172
SULFURIC ACID ESTERS OF HYALURONIC ACID AND PROCESSES FOR THE PRODUCTION THEREOF
Zareh Hadidian, Needham, Mass., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application November 29, 1948, Serial No. 62,597
6 Claims. (Cl. 260—210)

1. As a new composition of matter, a member of the group consisting of a hyaluronic acid sulfate, wherein the hyaluronic acid is obtained from mammalian tissue, said compound containing 12 to 16% of sulfur, and salts thereof.

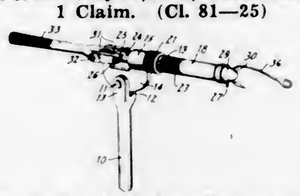
2,599,173
DISPENSING APPARATUS
Thomas F. Hamilton, Chicago, Ill.
Application May 3, 1944, Serial No. 533,829
9 Claims. (Cl. 194—10)



1. In a device of the character described, a plurality of endless conveyers each having dividing means for separating articles to be dispensed, motive means, separate drive means for each conveyor, means for movably mounting said motive means to selectively engage the motive means to any one of said drive means, means for definitely stopping said motive means after a predetermined step of movement of said motive means, and coin-controlled mechanism for controlling energization of said motive means and for releasing said stopping means at the start of said step of movement.

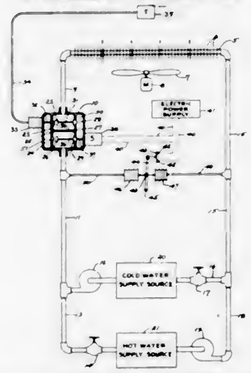
7. A conveying device for articles to be dispensed comprising a frame, shafts supported by said frame, a pair of spaced belts disposed as an endless conveyer driven by one of said shafts, and supporting means for said articles disposed between and secured to said belts, said supporting means comprising a plurality of cleats, said cleats having an upstanding flange along each edge and extending partway of the length of the cleat, the flanges of adjacent cleats being adjacent each other in pairs whereby adjacent articles to be dispensed are arranged in staggered relation to each other.

2,599,174
TOGGLE-OPERATED FLY-TYING VISE
Hugh Hauser, Detroit, Mich.
Application July 20, 1949, Serial No. 105,764
1 Claim. (Cl. 81—25)



A vise of the kind described, comprising an upright standard, a flat semi-circular member pivotally mounted at the upper end of said standard and including an internally threaded bushing and a lug alined therewith, but in spaced relation thereto, a tubular member threaded at one end into said bushing and having, at the opposite end, a flaring-out mouth, a shaft slidingly disposed in the tubular member and including, at one end, a gland slotted to form two opposed jaws and having a tapered portion retractable into said mouth, a lever pivotally mounted upon the lug, and a link at one end connected to said lever and at the other end connected to the shaft at the end remote from the gland, the lever serving to draw the tapered portion of the gland into the mouth and thus move the jaws of the gland towards each other.

2,599,175
TEMPERATURE CONTROL VALVE
Regis D. Heitchue, Cranford, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 28, 1947, Serial No. 757,889
2 Claims. (Cl. 236—1)

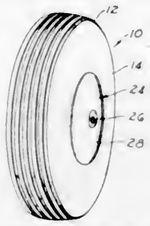


1. An air conditioning system comprising a heat exchange tube, valve means connected to the tube for controlling the passage of heat exchange fluid therethrough, said valve means having first and second passages therethrough, spaced apart first and second movable means for opening and closing said passages, means including piping connected to said tube and valve means for circulating a heating fluid in one direction therethrough and for circulating a cooling fluid in the opposite direction therethrough, means responsive to changes in the direction of flow of fluid through said piping for moving said first movable means in one direction for opening said first passage and for closing said second passage when heating fluid is circulated through the piping, and for moving said first movable means in the opposite direction for closing said first passage and for opening said second passage when cooling fluid is circulated through the piping, a thermostat in the conditioned space, and means actuated by said thermostat for moving said second movable means in one direction for opening said first passage and for closing said second passage upon a fall in the temperature of the conditioned space, and for moving said second movable means in a direction opposite to the last mentioned direction for closing said first passage and for opening said second passage upon a rise in the temperature of the conditioned space.

2,599,176
SEMIPNEUMATIC TIRE FOR TOY VEHICLES
Gilbert A. Henry, Burbank, Calif.
Application May 24, 1947, Serial No. 750,310
1 Claim. (Cl. 152—330)

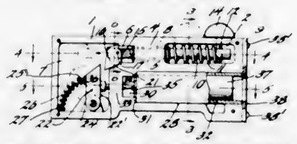
A semi-pneumatic wheel structure for use on small toy vehicles comprising a unitary hollow

tire composed of rubber-like material having resilient imperforate self-supporting walls embracing an air space and having a pair of separate opposed annular wall portions at the inner edge thereof said opposed annular wall portions being adapted to contact each other throughout their entire circumferences said annular wall portions being provided with external annular grooves co-



axial with the outer circumference of said tire, a pair of discs having axial flanges engaging said grooves, said discs having coaxial bores therein, and a sleeve bearing pressed in said bores for clamping said flanges in said grooves whereby said wall portions are pressed together throughout their circumferences to form an air seal therebetween.

2,599,177
TEAR GAS GUN
Harry H. Holroyd, Camden, N. J.
Application May 19, 1950, Serial No. 162,875
1 Claim. (Cl. 42—1)

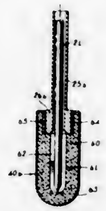


In a tear gas gun, a relatively small casing, a firing pin and spring-actuated hammer cooperating therewith, a removable barrel having a square bore, fitting wholly within the casing, the said barrel adapted to have a tear gas shell inserted in its breech when said barrel is without said casing; means for holding the barrel in position; a spring-pressed, thumb-operated bolt, having a pivotal latch at its rear, the latch normally overlying the upper edge of the hammer; the insertion of the barrel and its tear gas shell within the casing forcing the hammer from beneath the latch; a stop in the casing cooperating with the upper end of the pivotal latch, so that the spring-pressed bolt pulling the latch against the stop will cause said latch to extend below the upper edge of the hammer when the hammer is forced from beneath the latch, whereby a rearward movement of the thumb-operated bolt will cock and release the hammer to actuate the firing pin.

2,599,178
ELECTRODEPOSITION OF ALLOYS OF MOLYBDENUM WITH COBALT, NICKEL, AND IRON
Matthew L. Holt, Madison, Wis., and Henry J. Seim, Reno, Nev., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
No Drawing. Application March 10, 1950, Serial No. 149,022
14 Claims. (Cl. 204—43)

1. Method of electrodepositing an alloy of molybdenum and a metal of the class consisting of cobalt, nickel and iron which comprises: passing current between an anode and a cathode on which the alloy is to be deposited in an aqueous electrolyte consisting essentially of 60 grams per liter of a sulfate selected from the class consisting of cobalt, nickel and iron, citric acid in an amount in excess of the sulfate, 2 to 40 grams per liter of sodium molybdate, and sufficient ammonium hydroxide to provide a pH of from 4 to 8.

2,599,179
FURNACE ELECTRODE
Robert K. Hopkins, Staten Island, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application July 14, 1949, Serial No. 104,773
2 Claims. (Cl. 13—18)

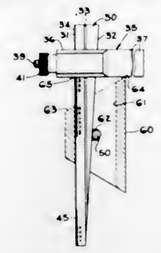


1. An electrode for flux submerged electric current discharge comprising a hollow elongated metal body portion, a cup-shaped carbon tip piece having a central hollow therein, an outer metal crown embracing said carbon tip piece in electric and heat transfer contact therewith, said crown covering the whole outer surface of said carbon tip piece and the upper end of the surface thereof defining said central hollow therein, means formed at the lower end of said body portion and at said crown at the upper end of said central hollow removably connecting said carbon tip piece to said body portion with said central hollow aligned with and extending beyond the hollow of said body portion, means extending through the hollow of said body portion and into said central hollow for discharging a stream of cooling medium directly against the bottom of said central hollow to render said carbon tip piece substantially non-consumable in operation, the walls of said crown being thin as compared to the walls of said carbon piece and being sufficiently dense to prevent flow of the cooling medium therethrough.

2,599,180
GAUGE
Raymond D. Hubbs, East Moline, Ill.
Application October 1, 1948, Serial No. 52,343
1 Claim. (Cl. 33—174)

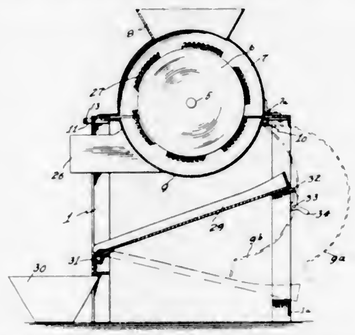
For use in gauging an article having a bore and a cross hole crosswise of the bore; gauge means for checking the relationship of the cross hole to the bore, comprising a gauge pin of a diameter no greater than that of the cross hole and adapted to be instered through the cross hole and of sufficient length to extend across the bore so as to be spaced radially from a proximate inner surface of the bore; an elongated gauge member having divergent longitudinal edges and provided along one of said edges with measuring means including indicia representing divisions of a unit of measurement, said divergent edges

tapering from a large end of the member wider than the distance between the one side of the gauge pin and the proximate inner surface of the bore to a small end narrower than said distance so that the member may enter and be lightly wedged across said radial space; and an arm



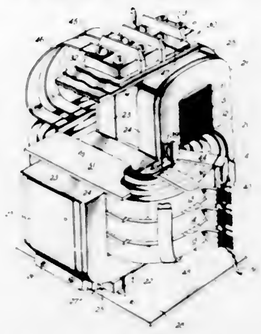
carried on the member for adjustment lengthwise of the member and engageable with an external portion of the article and cooperative with said indicia to provide for reading of said indicia as to the extent of entry of the member into said radial space.

2,599,181
MATTRESS AND CUSHION FILLER RENOVATING MACHINE
Arthur J. Kay, Los Angeles, Calif.
Application April 24, 1948, Serial No. 23,007
2 Claims. (Cl. 19—90)



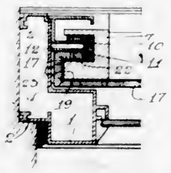
2. A mattress filler renovating machine comprising, a frame, a cylindrical casing horizontally divided into an upper and a lower half-portion, both hingedly supported on said frame at the rear edge thereof, a shaft axially extending through said casing, a picking drum rigid on said shaft, a fan rotatable on the shaft, means for independently rotating said shaft and the said fan, a tray below the casing pivotally secured to the front edge of the frame for vertical swinging movement from a forwardly inclined position downwardly to a rearwardly inclined position, means for maintaining said tray locked in its forwardly inclined position on the frame, said means being manually operable to release the tray for downward movement on its pivot into position to clear the lower casing portion for downward and rearward swinging movement beyond the rear edge of the tray, return movement of the tray to its forwardly tilted position providing a stop for return movement of said lower casing portion.

2,599,182
PULSE TYPE TRANSFORMER
Quentin A. Kerns, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application June 21, 1949, Serial No. 100,408
6 Claims. (Cl. 175—356)



3. In a low leakage inductance pulse transformer, the combination comprising a primary winding having a plurality of continuous mutually insulated conductors aligned transversely to the direction of continuity thereof in stacked array, extended as a spiral of equal radius of curvature for each of said conductors, and continued for a predetermined number of spaced turns about a central opening, a secondary winding having a pair of insulated, parallel-connected, strap conductors also extended as a spiral and interleaved, one on each side of said stacked primary conductors, between said spaced turns with the width of said straps parallel to said primary conductors, the ends of said primary conductors being interconnected to form a single electrical path, and a magnetic core having a portion thereof extended through said central opening and surrounding a portion of said primary and secondary windings.

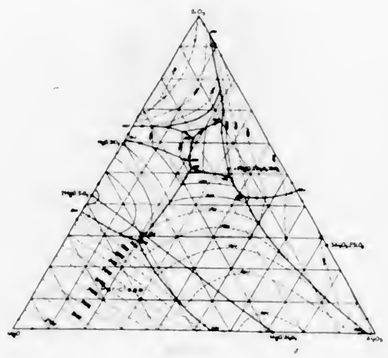
2,599,183
WEATHER STRIPPING IN WINDOW SASH
Ward P. Kessler, near Bristol Village, Ind.
Application July 31, 1947, Serial No. 765,043
5 Claims. (Cl. 20—69)



3. A window construction consisting of a formed main frame with a fixed upper sash and vertically movable lower sash, a formed horizontal upper rail in said lower sash having a groove therein extending the width of said sash adjacent to an abutting horizontal rail of said upper sash, and a weather strip consisting of a binder and woven pile fabric firmly held in said binder inserted in said groove and extending beyond the ends of said groove, said weather strip extensions conforming to exterior surfaces of said lower sash adjacent to said main frame.

2,599,184
MAGNESIA-ALUMINA-SILICA REFRACTORIES

Frank E. Lathe, Ottawa, Ontario, Canada, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada, a corporation of Canada
Application December 24, 1949, Serial No. 134,930
17 Claims. (Cl. 106—62)



1. A method of consolidating refractory granular material into a mechanically strong and highly refractory product which comprises mixing refractory granular particles containing a total of at least 80% by weight of magnesia, silica and alumina and not more than 5% of lime, and in which the weight ratio of magnesia to silica and alumina is at least equal to 1.5 times the silica plus 0.5 times the alumina, with non-refractory material containing a total of at least 75% by weight of silica, magnesia and alumina of which substantially 35 to 82% is silica, 0 to 40% is magnesia, and 0 to 50% is alumina, the mixture of refractory and non-refractory materials having a weight ratio of magnesia to silica and alumina at least substantially equal to 1.34 times the silica plus 0.40 times the alumina, and heating the mixture to a temperature higher than that of incipient fusion of the non-refractory material to form liquid and coat the particles of granular refractory material and by reaction eliminate the non-refractory silicate and thereby bond the granules into a highly refractory and consolidated mass.

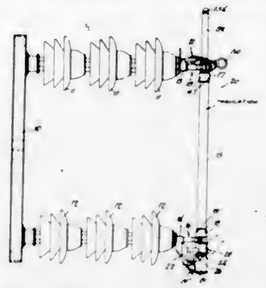
2,599,185
REFRACTORY BODY

Jack M. Lepp and John A. Slyh, Columbus, Ohio, assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware
No Drawing. Original application February 12, 1949, Serial No. 76,188. Divided and this application April 25, 1950, Serial No. 158,087
3 Claims. (Cl. 106—56)

1. A ceramic refractory material having good thermal shock resistance and a modulus of rupture in the range 800 to 12,400 lbs./in.^{2}, said material consisting of a molded mixture sintered in graphite in an oxidizing atmosphere and comprising 35 to 90% alumina and 10 to 65% aluminum prior to sintering, and showing aluminum, alumina, aluminum nitride, and carbon on X-ray analysis subsequent to sintering.

2,599,186
DROPOUT FUSE CONSTRUCTION

Sigurd I. Lindell, Chicago, Ill., assignor to S & C Electric Company, a corporation of Delaware
Application April 22, 1946, Serial No. 663,834
13 Claims. (Cl. 200—114)



1. A dropout fuse construction comprising, in combination, a pair of stationary line terminals, a fuse tube, terminals at the ends of said fuse tube, means pivotally mounting said fuse tube near one end whereby the same can be moved to the closed position with the terminals thereof in engagement with said line terminals and can fall under the influence of gravity to the open position away from at least one of said line terminals, latch means mounted near the other end of said fuse tube for holding the same in the closed position, a tubular latch release member slidably mounted on said other end of said fuse tube, a compression member slidably mounted within said fuse tube, spring means biasing said compression member toward said latch release member, and circuit means including fusible means within said fuse tube interconnecting said fuse tube terminals and restraining said spring means, said spring means being released on blowing of said fusible means and acting to move said compression member into operative engagement with said tubular latch released member whereby the same is moved to release said latch means.

12. A dropout fuse construction comprising, in combination, a pair of stationary line terminals in insulated spaced relation, a fuse tube, terminals at the ends of said fuse tube, separable contact means for interconnecting said line terminals and said fuse tube terminals, means pivotally mounting said fuse tube near one end comprising trunnions on opposite sides of said fuse tube and substantially horizontal slots on the associated line terminal whereby the same can be moved to the closed position with said contact means in engagement and can fall under the influence of gravity to the open position whereupon said contact means are separated, latch means mounted near the other end of said fuse tube for holding the same in the closed position, circuit means including fusible means within said fuse tube interconnecting said fuse tube terminals and arranged to unlatch said latch means on blowing of said fusible means to permit said fuse tube to fall to the open position, a shaft rockably mounted on said line terminal about an axis transverse to the longitudinal axis of said fuse tube, detents fast on said shaft cooperating with said trunnions to prevent accidental disengagement thereof from said slots said fuse tube drops out on blowing of said fusible means, and a manually operable arm extending from said shaft for rocking the same to move said detents out of cooperative relation with said trunnions to permit removal of said fuse tube.

2,599,187
CIRCUIT INTERRUPTER CONSTRUCTION

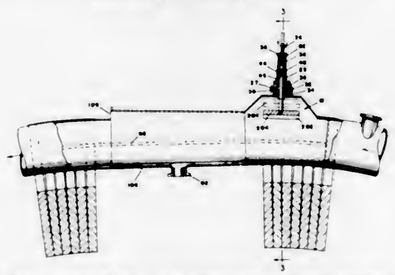
Sigurd I. Lindell, Chicago, and Charles H. Baker, Maywood, Ill., assignors to S & C Electric Company, Chicago, Ill., a corporation of Delaware
Application May 28, 1949, Serial No. 96,034
16 Claims. (Cl. 200—120)



10. In a high voltage circuit interrupter for use with electric power systems wherein the transient recovery voltage may be substantially greater than the normal frequency recovery voltage, in combination, a tubular housing of insulating material having an arcing passageway spaced from each end a distance several times the diameter of said housing, terminals at the ends of said housing for connection to the circuit and between which said recovery voltages are applied, a stationary metallic extension from each of said terminals inside said housing extending to the adjacent end of said arcing passageway, an insulating tension member within said tubular housing mechanically interlocked at its ends to the inner ends of said extensions to prevent expulsion of the same from said housing, and means for drawing an arc in said passageway on operation of the interrupter, said extensions acting to distribute electrostatic stress between said terminals after interruption of current flow therebetween and prevent the dielectric strength of said arcing passageway from rising above that of any external parallel path between said terminals.

2,599,188
MAGNETIC PEELER FOR PROTON SYNCHROTRON

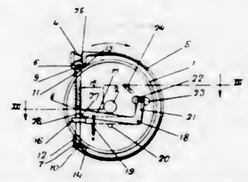
Milton Stanley Livingston, Belmont, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 21, 1950, Serial No. 145,401
5 Claims. (Cl. 313—62)



1. An apparatus for changing the trajectory of high energy ions moving in a curvilinear path in a magnetic field in order to eject said ions from said field in a controlled member which comprises an elongated magnetic metal member having a longitudinal channel therein, means for moving said channel in said magnetic field toward and away from said curvilinear path and for keeping said channel aligned with said path.

2,599,189
LINE PICKUP DEVICE FOR FISHING REEL HAVING NONROTARY DRUMS

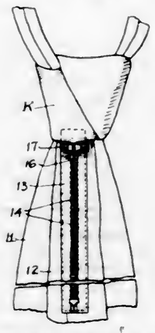
Paul Mauborgne, Niort, France
Application December 5, 1945, Serial No. 632,832
In France July 16, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 16, 1962
2 Claims. (Cl. 242—84.1)



1. In a fishing reel having a non-rotary drum, and a flyer co-axial therewith, a pick-up device comprising: a wire loop, a spindle rotatably housed in said flyer perpendicular to and remote from the axis thereof, said loop secured to said spindle, a spring secured between said flyer and said spindle tending to pivot the latter to bring the loop into operative position encircling the drum, a cam on said spindle, and a lever pivotally secured in the flyer releasably engageable with said cam to prevent rotation of the spindle and to hold the loop in an inoperative position remote from the drum.

2,599,190
FOUR-IN-HAND NECKTIE KNOT ANCHORS

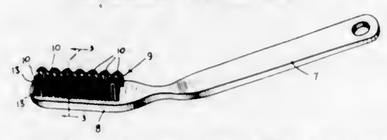
Irwin McNiece, Los Angeles, Calif.
Application August 15, 1949, Serial No. 110,324
1 Claim. (Cl. 2—148)



The combination with a one piece four-in-hand necktie having a front portion, in the upper portion of which is formed a knot, and a rear portion adapted to slide through said knot, of a flexible slide fastener member mounted on the rear outer face of that portion of the tie which slides through the knotted portion, a substantial distance from the end thereof, a member mounted for longitudinal sliding movement upon said flexible fastener member, which member when moved upward, is positioned beneath the knot formed

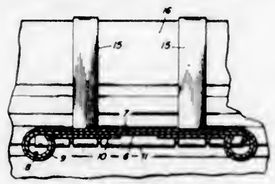
in the front portion of said tie, a short transverse member on said sliding member, knot engaging protuberances projecting outwardly from the ends of said sliding member and a pull tab pivoted to said sliding member.

2,599,191
DENTAL BRUSH HAVING LOOPED BRISTLES
Roland J. Meunier, Southbridge, Mass.
Application July 2, 1947, Serial No. 758,651
4 Claims. (Cl. 15—167)



1. A tooth brush comprising a long and narrow head and a long and narrow handle, a plurality of looped bristles having both of their ends embedded in adjacent spaced relation with each other within one side surface of said head with the said bristles extending outwardly of said side surface, said loops being arranged in groups of different lengths with the outer ends of the loops of said different lengths lying in different planes substantially parallel with the adjacent side surface of the head, said loops of smaller lengths being arranged in nested arrangement with adjacent loops of greater length whereby the bristles of the respective groups of greater lengths will be less resistant to distortion than the bristles of the groups of shorter lengths and the variation of pressure directed to the brush during the use thereof will determine the extent of function of the various bristles.

2,599,192
SHELF FOR WASH TUBS
Iva L. Miller, Minerva, Ohio
Application February 7, 1949, Serial No. 74,873
2 Claims. (Cl. 211—114)



1. A removable shelf for wash tubs comprising a pair of flat shelf sections, tubular telescoping guides on the side edges of the sections connecting the same for sliding adjustment relative to each other, said sections having rolled notched outer ends forming spaced eyes, a pin positioned in the eyes, and hanger hooks pivoted to the pins and fitted in said notches for supporting the shelf in a suspended position on the edges of a tub.

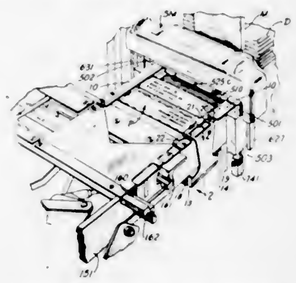
2,599,193
HAND SCRAPING TOOL
George R. Morris, Rochester, N. Y.; Mabel H. Morris, administratrix of said George R. Morris, deceased, assignor to Harold E. Stonebraker, Rochester, N. Y.
Application April 12, 1949, Serial No. 86,994
1 Claim. (Cl. 30—169)

The combination with a scraper blade having a plurality of circular openings extending therethrough, of a detachable U-shaped one-piece wire handle comprising a pair of arms of cylindrical cross-section extending in a general direction transversely of the blade and of less cross-section than the area of said openings, said arms being movable toward and from each other in a plane and converging toward the blade in the same plane in which they are movable and having transverse blade-engaging peripheral recesses on their inner faces, each of said recesses being defined by opposite parallel surfaces that are perpendicular to the longitudinal axis of the arm



and inclined to the adjacent surfaces of the blade, said parallel surfaces in one arm being inclined to the surfaces of the blade in a direction opposite to the corresponding surfaces in the other arm and engaging on an angle with the adjacent surfaces of the blade, said arms being actuated by the inherent spring action of the wire handle toward each other and toward the adjacent edge of the blade whereby the opposite parallel surfaces of the recesses grip opposite surfaces of the blade at the inner and outer portions of the recesses respectively.

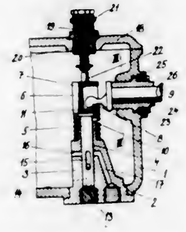
2,599,194
PRINTING DEVICE
Wilmer H. Nau, Gates Mills, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application July 18, 1946, Serial No. 684,411
1 Claim. (Cl. 101—57)



In a printing machine having spaced-apart first and second guide means determinative of a path of travel traced out by the first and second side edges of printing devices, which printing devices are progressively feedable along the guide means to a work-performing station in the machine whereat the printing devices are to be successively accurately positioned relative to detecting elements for cooperating with the printing devices, and which printing devices are each formed with a chamfered notch extending inwardly from a first point on the said first side edge removed a predetermined distance from a second point on the side edge extension of the leading-most right-angled corner portion corresponding to the said first side edge, means at the work-performing station for locating and accurately positioning each of the printing devices

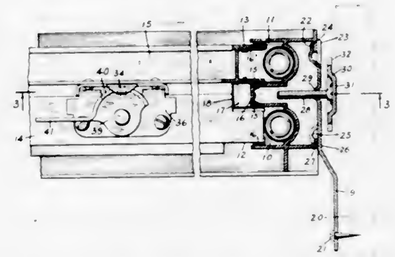
relative to the detecting elements and comprising, a substantially U-shaped member positioned adjacent the outside of the first guide means and being operatively connected to the machine for reciprocation into and out of the so-defined path of travel in timed sequence relative to the feeding of the printing devices, the U-shaped member having first and second spaced-apart leg elements adapted to engage each of the printing devices at the said first and second points on the side edges thereof, the terminal free end of the first leg element being configured complementary to the said notch to thereby be seatable therein, the terminal free end of the second leg element being configured complementary to the said leading-most right-angled corner portion, the said terminal free ends having third and fourth points respectively alignable with and engageable with the said first and second points and the distance therebetween being equal to the distance between the said first and second points, the extent of reciprocation of the U-shaped member into the so-defined path of travel being such as to cause the said fourth point on the second leg element to engage the said second point on the said first side edge and to cause the terminal free end of the first leg element to be seated in the said notch, and a pair of rollers at the work-performing station freely mounted for rotation in the second guide means, the peripheries of the rollers being located in position to be engaged by the second side edge of each of the printing devices when at the work-performing station whereby the terminal free ends of the leg elements and the freely rotatable rollers cooperate to accurately position the printing devices at the work-performing station.

2,599,195
LUBRICATING PUMP
Gustav Nemetz, deceased, late of Vienna, Austria, by Valerie Nemetz, administratrix, Vienna, Austria, assignor to Alex. Friedmann, Kommandit-Gesellschaft, Vienna, Austria
Application July 29, 1947, Serial No. 764,525
In Germany April 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 11, 1964
10 Claims. (Cl. 184—27)



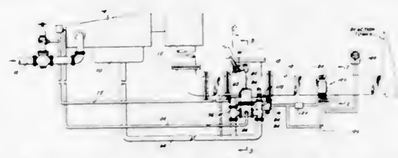
1. A lubricating pump, comprising a casing, a piston reciprocating in said casing, means for actuating said piston, an adjusting member acting only on said piston for controlling the stroke of said piston, lubricant delivery indicator means operatively associated with said stroke control member for indicating the setting of said stroke control, and corrective piston stroke controlling means accessible from outside the casing and acting only on said piston for effecting coincidence of actual lubricant delivery with the stroke setting as indicated by said lubricant delivery indicator means.

2,599,196
WINDOW CONSTRUCTION
Edmund Peremi, Bayside, N. Y., assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y., a corporation of New York
Application May 20, 1947, Serial No. 749,244
1 Claim. (Cl. 189—73)



In a metallic window construction which comprises a frame having vertical jambs with sash-receiving channels therein between which is arranged a parting bead and a pair of vertically slidable sash members mounted for movement in said channels, the upper rail of the lower of which sashes and the lower rail of the upper of which sashes are provided with complemental openings adjacent said parting bead, the improvement which includes a filler block carried by said parting bead and aligned with the upper rail of said lower sash and the lower rail of said upper sash when the sashes are closed and located in said recesses and substantially filling the same, a pair of downwardly converging cam members carried by the lower rail of the upper sash, a pair of projections on the upper rail of the lower sash having their inner faces separated a distance substantially equal to the distance between said cams at their greatest point of divergence and between which said cams are adapted to move when the lower rail of the upper sash and the upper rail of the lower sash are brought into alignment, and a screw device for adjusting the position of said filler block transversely of the window and in respect of the recesses in the rails thereof whereby in operation, when the sashes are closed, they will be aligned into a substantially continuous rectangular form and the recesses in the rails thereof will be substantially filled by the filler blocks.

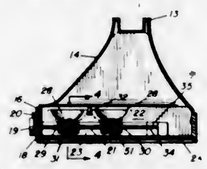
2,599,197
CONTROL SYSTEM FOR CATALYTIC REACTORS
Norman F. Prescott, Wenham, Mass., assignor to Atwood & Morrill Co., Salem, Mass., a corporation of Massachusetts
Application June 20, 1947, Serial No. 756,068
11 Claims. (Cl. 23—288)



1. Apparatus for use in effecting catalytic reactions comprising a reaction tower in which a quantity of fine particles of solid catalyst are to be air-borne in suspension a blower and a con-

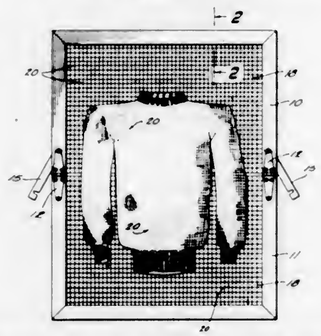
duit connected at one end to the blower and at the other end to the tower through which a current of air under pressure is delivered near the bottom of the tower by the blower of sufficient intensity to hold the major portion of the catalytic particles in suspension in the tower and, means for preventing gravitating particles from returning through the conduit to the blower, said last means comprising a check valve in said conduit between the tower and the blower, said check valve being free to move between open and closed positions and being normally held open by said air pressure in the apparatus, and means in the conduit between the valve and tower for initiating actuation of said valve to close the same in response to the presence of traces of solid matter in the air stream.

2,599,198
SOUND REGULATOR FOR TELEPHONE RINGERS
Gordon P. Reilly, Catonsville, Md., assignor of fifty per cent to Leona M. Meckel, Baltimore, Md.
Application September 14, 1950, Serial No. 184,735
2 Claims. (Cl. 177—7)



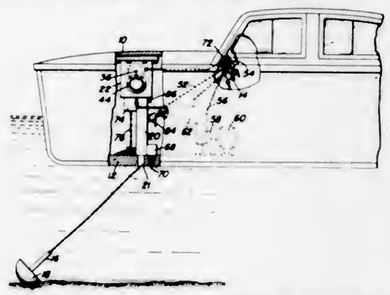
1. A signalling structure for a telephone set and circuit comprising in combination, a set of signal bells mounted on the set, and electrically operated means for ringing said bells connected with the circuit of said set, and means for varying the distance between the bells to vary the audible intensity thereof during the ringing, said last mentioned means including means for movably supporting said bells and left and right hand screw threaded means extending outside of the set for moving the bells predetermined distances apart for producing said variation in intensity.

2,599,199
GARMENT DRIER
Ruth H. Roberts, Whitefish Bay, Wis.
Application March 2, 1949, Serial No. 79,166
3 Claims. (Cl. 223—69)



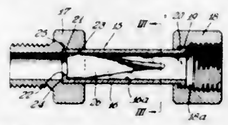
1. A garment dryer of the character described, comprising, a frame, a screen held in said frame, a plurality of pins fixed at close intervals to said screen throughout the area thereof and adapted to impale the garment at close intervals throughout its area to insure even drying.

2,599,200
ANCHOR RAISING AND LOWERING MEANS
Andrew E. Rogers, New York, N. Y.
Application December 15, 1950, Serial No. 200,988
4 Claims. (Cl. 114—179)



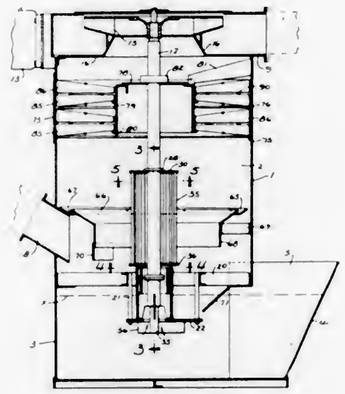
1. An anchor assembly comprising an anchorway having an upper and lower end, a casing integral with said upper end and a reduced portion on said lower end, a chain drum rotatably journaled in said casing, gear wheels secured to the ends of said drum, a drive shaft rotatably journaled in said casing, pinion gears on said drive shaft operatively engaging said drum gear wheels, means to brake said drum mounted on said drive shaft, the lower end of said anchorway being further provided with a recess therein, said upper end having a guide channel therein of cruciform shape communicating with said recess, an anchor head abutting said lower end, an anchor shank disposed in said recess, an anchor chain extending from said anchor shank through said guide channel and around said drum and power means to operate said drive shaft.

2,599,201
AXIAL FLOW TURBINE OIL LINE FLOW INDICATOR
Robert Rubenstein and Sidney I. Groban, Chicago, Ill.
Application March 11, 1950, Serial No. 149,116
3 Claims. (Cl. 116—117)



1. A fluid flow indicator comprising a casing of transparent material having a substantially cylindrical bore and an inturned annular radial flange at one end of the bore, and an elongated axially twisted vane disposed in the bore and guided solely thereby for rotation about its longitudinal axis, said vane having a transverse dimension substantially equal to the diameter of said bore so that said vane is guided along its length by its proximity to the casing walls defining said bore, said vane in use being bottomed against said flange by fluid flow through the bore to prevent displacement of the rotor from said bore and said bore being substantially open to the free flow of fluid therethrough.

2,599,202
APPARATUS FOR WASHING AND CONDITIONING AIR
Albert J. Schimpke, Detroit, Mich.
Application April 17, 1947, Serial No. 742,163
5 Claims. (Cl. 261—91)

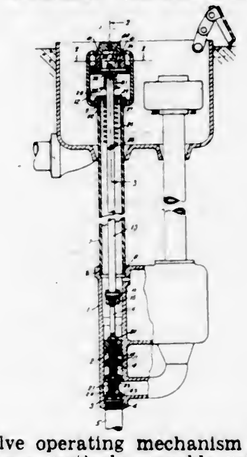


1. In an air cleaning device of the type comprising a shell forming an interior chamber having an air inlet adjacent its lower end and an air outlet adjacent its upper end, a sump at the lower end of the shell for containing liquid and a vertically disposed operating shaft having a pump at the lower end thereof and a fan at the upper end thereof for moving air upwardly through said chamber, the improvement which comprises a cage-like spray device secured to said shaft above the liquid level in said sump and below said fan, said spray device comprising a bracket mounted on said shaft, a plurality of circumferentially spaced rods attached to the bracket and extending downwardly therefrom, and a supporting ring for stabilizing the lower ends of said rods, concentric cylindrical elements forming a hollow circumferential outlet for pumped liquid which is axially disposed and which opens upwardly into said chamber, said supporting ring having an aperture spaced inwardly of said rods and which overlies the open end of said outlet passage so that liquid discharged therefrom contacts and flows upwardly along the surface of said rods whereby the rods are wet by the liquid and the liquid is thrown out from said cage-like device in a fine mist by centrifugal action and baffle means for guiding air upwardly in the interior chamber and around the outside of the spray device.

2,599,203
PREPARATION OF ALUMINUM BOROHYDRIDE
Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application March 22, 1946, Serial No. 656,502
9 Claims. (Cl. 23—14)

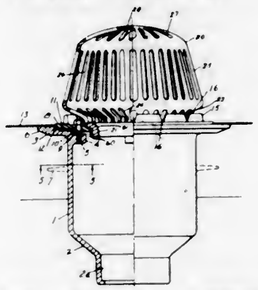
1. A process of preparing aluminum borohydride which comprises reacting an alkali metal borohydride with an aluminum halide to form aluminum borohydride.

2,599,204
VALVE OPERATING MECHANISM
John H. Schmid, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application April 4, 1947, Serial No. 739,422
9 Claims. (Cl. 251—134)



2. A valve operating mechanism for opening and closing a verticaly movable valve comprising a vertically extending sleeve, a valve rod movable in said sleeve having one end connected to said valve, a cap surrounding said rod freely mounted on the upper end of said sleeve, a comparatively light coil spring in said sleeve surrounding said rod attached to said cap, fastening means for attaching the other end of said spring to an intermediate portion of said valve rod to urge said valve to an open position, an abutting member affixed to said rod above said cap, a comparatively heavy, short coil spring surrounding said rod disposed on said abutting member, a member movable axially of said rod engageable with said heavy spring, a cam member engageable with said last mentioned member to move said member into engagement with said heavy spring and move it longitudinally against the force of said comparatively light spring to move said valve to an open position, and cam engaging means carried by said sleeve.

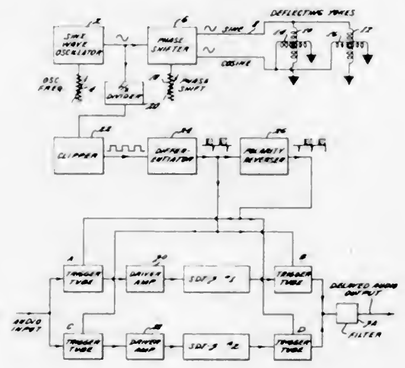
2,599,205
ROOF DRAIN
John H. Schmid, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 14, 1949, Serial No. 76,270
7 Claims. (Cl. 182—31)



1. A roof drain comprising a reservatory having a restricted discharge outlet, means for seal-

ingly engaging roofing paper in engagement with the upper end of said reservatory, and a dome type strainer mounted on the upper end of said reservatory having the lower portion thereof flared laterally outwardly and upwardly and the intermediate portion thereof extending upwardly and inwardly from the outer end of said lower portion, the lower portion and the intermediate portion each having circumferentially spaced, vertically extending slots, said bottom portion being spaced a predetermined distance above said means for sealingly engaging roofing paper defining an annular strainer opening.

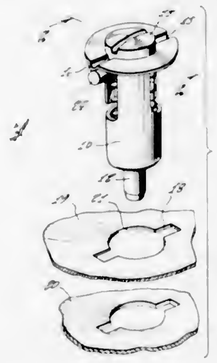
2,599,206
ELECTRONIC DELAY SYSTEM
John Paul Smith, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 24, 1948, Serial No. 67,157
8 Claims. (Cl. 250—27)



1. Apparatus for delaying an input signal for a predetermined period of time before applying said signal to a utilization circuit, comprising a plurality of storage tubes each having a signal plate electrode of which each elemental area is capable of temporarily storing a charge having a potential proportional to a modulating input signal voltage applied to said electrode, when said area is struck by a beam of electrons of predetermined energy level, means for circulatory scanning each of said electrodes simultaneously with a beam of electrons at said predetermined energy level, means for repeatedly modulating the input signal applied to each of said electrodes in a predetermined order whereby successive portions of said signal are stored on different signal plate electrodes, and means, including said electron beam, for removing said signal portions in the same order after a time delay equal to said predetermined period.

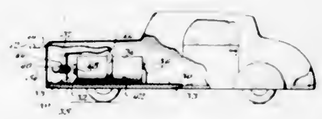
2,599,207
METAL PLATE ROTARY FASTENER
John P. Spahr, Astoria, and Arthur Cajowski, Floral Park, N. Y.
Application July 7, 1950, Serial No. 172,462
1 Claim. (Cl. 24—221)

A button device for retaining metal parts together comprising a sleeve part having a top flange and an opening in the bottom end, a shaft having a screw head portion adjustable in the sleeve part, a spring urging the outward displacement of the shaft from the sleeve part, a bar extending through the shaft and radially outwardly from the sides thereof, said sleeve part having two pairs of axially disposed slots extending from the flange downwardly and radially spaced apart from each other and a pair of horizontally disposed slots, each connecting the lower ends of the said adjacent axially disposed slots, thereby forming two U-channel bars in its turning movement for engagement with the metal



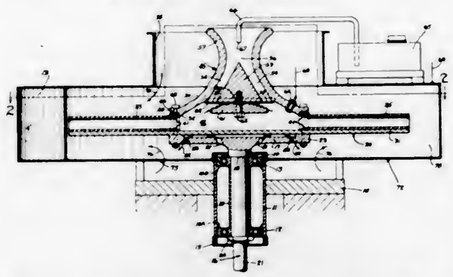
parts being retained by the device, said flange having radially extending depressed portions adapted to enter notches in the metal plates being secured together whereby to prevent the rotating movement or adjustment of the sleeve part, said bar in the shaft travelling in one of the said pairs of axially disposed slots and engaging the depressed portions to prevent the rotation of the shaft and travelling in the other of said axially disposed slots to effect the insertion of the device into openings of the metal plates and the removal of the device therefrom.

2,599,208
ILLUMINATED TOY VEHICLE
Allan D. Starr, Carlinville, Ill.
Application February 21, 1949, Serial No. 77,572
1 Claim. (Cl. 46—203)



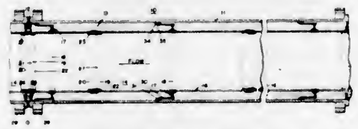
A toy automobile comprising a hollow body, wheels attached to said body to support the same upon a surface, a headlight lamp for said automobile and a battery cell mounted inside of said hollow body, and means for closing a circuit between said lamp and cell, said means including a cord by which said toy may be pulled, a resilient switch member supporting said lamp in said body, said cord attached to said switch member and extending outwardly from said body through an opening therein whereby when the end of said cord is pulled said switch member will be flexed to close said circuit to light said headlight lamp.

2,599,209
ROTARY PULSE JET ENGINE WITH RESONANT COMBUSTION CHAMBER AND TANGENTIALLY DISPOSED EXHAUST TUBES
William L. Tenney, Crystal Bay, Minn., and Charles B. Marks, Las Vegas, Nev.; said Marks assignor to said Tenney
Application April 11, 1946, Serial No. 661,366
9 Claims. (Cl. 60—39.34)



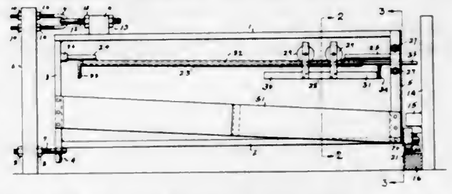
7. A rotary pulse jet engine comprising a frame, a scroll having centrally apertured housing plates spaced from each other with the apertures aligned and connected at their outer edges by a gas collection scroll having a discharge outlet, a combustion chamber-rotor assembly, a shaft connected to said assembly and journaled on the frame for rotation, said rotor assembly including a circular plate mounted on the shaft so as to rotate about the center of the plate, a ring wall centrally attached to the plate and extending from one side thereof, an air and fuel intake tube positioned so as to be coaxial with said shaft and extending outwardly through one of the apertures of the scroll housing plate and forming a combination chamber with said plate and ring wall, said air and fuel intake tube being fitted to the ring wall so as to close said wall, a fuel inlet nozzle in said tube, valve means in the tube for preventing back-flow of gases therethrough, and at least one jet exhaust tube connected through the ring wall of the combustion chamber and extending in a generally outward and tangential direction along one side of the plate and attached thereto and forming with said combustion chamber a resonant pulse jet system, said rotating ports being balanced for rotation at high speed.

2,599,210
INTERNALLY INSULATION LINED VESSEL
Elliott R. Thompson, Merchantville, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application October 11, 1945, Serial No. 621,760
12 Claims. (Cl. 138—64)



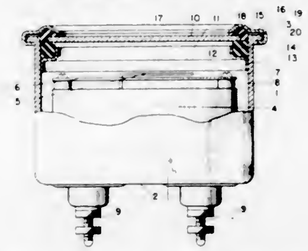
1. A vessel, an insulation lining positioned adjacent the inner face of the walls of said vessel, said lining including a depth of insulation and a metal liner element between said insulation and the material handled in the central space of said vessel, and impervious means supporting said metal liner element while permitting substantially unrestrained radial and longitudinal expansion and contraction thereof, said impervious means including a member encircling said metal liner element and united thereto and extending into the space between said metal liner element and the walls of said vessel in a plane transverse to the longitudinal axis of said metal liner element, said encircling member expanding and contracting radially with said metal liner element without substantial restraint to said liner element, and a second member encircling the extending end of said first encircling member and having one end united thereto, said second member being in the shape of a surface of revolution and having its other end united to the walls of said vessel.

2,599,211
GATE
Lyle C. Tilbury, Hunt, Tex.
Application September 23, 1946, Serial No. 698,644
3 Claims. (Cl. 39—31)



1. A gate substantially rectangular in shape and having top and bottom bars and end bars, a longitudinal tubular track whose ends are connected to the end bars of the gate, a latch rod slidably mounted in said track and having end stops and one end of which terminates in a latch bolt, a trolley movable along the track and having bumpers thereon engageable with said stops and effective to move the rod into one position to retract the latch bolt into inactive position and to move said latch rod to another position to extend the latch bolt into active position.

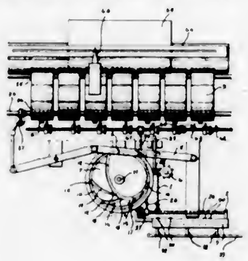
2,599,212
CASE FOR ELECTRICAL MEASURING INSTRUMENTS
Ray L. Triplett, Bluffton, Ohio, assignor to The Triplett Electrical Instrument Company, Bluffton, Ohio, a corporation of Ohio
Original application April 25, 1949, Serial No. 89,466. Divided and this application February 23, 1950, Serial No. 145,711
4 Claims. (Cl. 220—82)



4. A window mount for an instrument case, said mount comprising a window having its outer edge portion and peripheral surface embedded in a matrix of flexible material, a bracket member extending around the interior surface of the

case and attached thereto, said matrix being supported by said bracket, a metal ring separate from the casing and adapted to be secured thereto, said ring bearing directly against the upper surface of said matrix to compress the latter and flexibly support the edge of the window on said bracket, the upper portion of said matrix being provided with an upstanding hump intermediate the edges thereof, and said metal ring being provided with a corresponding recess to receive said hump in order to exert greater compression on the matrix when the ring is secured to the casing, an outwardly extending flange at the window end of the casing, said metal ring being provided with a peripheral lip at its peripheral edge which extends inwardly to embrace the lower surface of said flange in order securely to attach the ring to said casing.

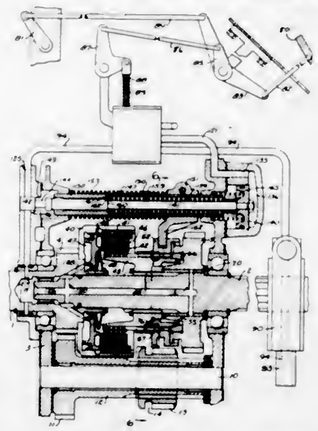
2,599,213
MACHINE FOR READING-IN AND PUNCHING JACQUARD CARDS
Alphonse Veighe, Courtrai, Belgium, assignor to Dorothy Richards and Eleanor Thompson, both of Ridgewood, N. J.
Application December 29, 1947, Serial No. 794,255
53 Claims. (Cl. 164—114)



1. A jacquard card reading in and punching machine comprising a number of punches equal to the number of possible needle holes in a row of a jacquard card, a holder for accommodating a card to be punched, the punches being arranged opposite said holder, a lever for displacing said punches, a device for coupling said punches one by one to said lever, a roller adapted to support the design and means for rotating said roller after the reading in and the punching of each pick of the design, in such a manner that the number of the necessary movements to pass the whole of the height of the pattern is equal to the number of picks which the designing of said pattern would involve, a reading in needle and means for moving said needle intermittently opposite a pick of the design, at the rate of one step on every idle stroke of said lever.

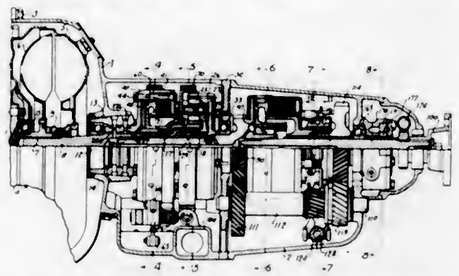
2,599,214
MECHANISM FOR TRANSMITTING TORQUE
Ernest E. Wemp, Detroit, Mich.
Application April 9, 1948, Serial No. 20,002
25 Claims. (Cl. 74—364)

1. A mechanism for transmitting torque comprising, a driving member, a driven member, said mechanism being operable under torque load to change the ratio between the driving member and the driven member, a friction clutch for connecting the members together at a relatively high speed ratio and arranged to be engaged and disengaged, connection means including cooperating teeth arranged to be dentally engaged and disengaged for connecting the members together at a relatively low speed ratio, some of the teeth being connected with the driving member and some of the teeth being connectable to the driving member through the friction clutch, and



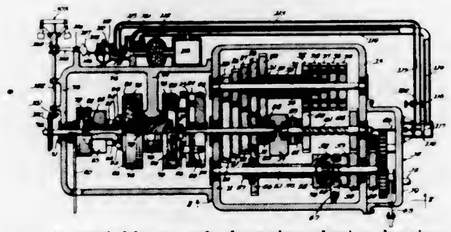
means operable to cause engagement of the friction clutch while the teeth are engaged whereby the torque delivered from the driving member is divided and delivered to the engaged teeth in opposing manner, said means being operable to cause disengagement of the teeth when the torque delivered to the engaged teeth through the friction clutch substantially equals the torque delivered to the teeth which are connected to the driving member.

2,599,215
AUTOMATIC TRANSMISSION
Ernest E. Wemp, Detroit, Mich., assignor, by direct and mesne assignments, of sixty-five per cent to himself, five per cent to Clyde J. Smith, five per cent to Leah Kathleen Smith, twenty per cent to Lila A. Wemp, all of Detroit, Mich., and five per cent to Eleanor May Wemp, Los Angeles, Calif.
Application October 18, 1950, Serial No. 190,807
15 Claims. (Cl. 74—645)



1. In an automatic speed change transmission adapted for the transmission of torque from the engine to the traction wheels of an automotive vehicle, a first transmission section including a planetary gear set, means for locking up the planetary gear set for the transmission of torque at a 1:1 speed ratio, friction means for engaging and holding a member of the planetary gear set at zero speed for the transmission of torque at a speed ratio higher than 1:1; a second transmission section having an input member driven by the planetary gear set, an output member, a gear train for connecting the input and output members, a dental coupling for establishing a connection through the gear train including a coupling member shiftable out of coupling position, a friction clutch for directly connecting the input and output members, the coupler being in dentally engaged position and the said one member of the planetary gear set held at zero speed in one speed ratio of the transmission, control means for initiating engagement of the friction clutch and for shifting the coupler out of dental engagement when the clutch has absorbed such percentage of the engine torque as to reduce the a control element shiftable upon said shift of the coupler for initiating release of the friction means engaging and holding the said member of the planetary gear set at zero speed, whereby a speed change is effected in the planetary gear pressure on the dental teeth substantially to zero, set during the final stages of the engagement of said clutch.

2,599,216
AUTOMATIC VARIABLE-SPEED TRANSMISSION
Fred H. Wuetig, Chicago, Ill.
Application July 27, 1950, Serial No. 176,148
11 Claims. (Cl. 192—3.5)



1. A variable speed-changing device having a driving shaft, a driven shaft, a plurality of counter gear wheels rotated by said driving shaft, a plurality of transmission gear wheels rotated by said counter gear wheels, a travelling gear wheel, means for moving said traveling gear wheel for driving engagement with any one of said transmission gear wheels to transmit power to said driven shaft, and means for transmitting power to said driving shaft comprising an engine-driven shaft, a drive clutch member driven by said engine-driven shaft, a coacting clutch element splined to said driving shaft for driving coaction with said drive clutch member, and inertia means rotatable with said driving shaft for operatively displacing said coacting clutch element relative to said drive clutch member for the purpose of causing gradual equalization of speeds between said driving shaft and said engine-driven shaft responsive to speed changes effected by said travelling gear wheel which affect the speed of rotation of said driving shaft.

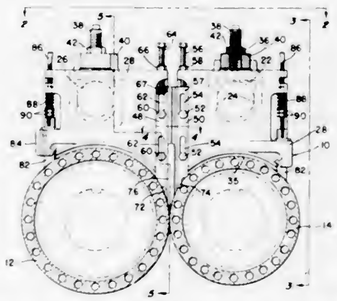
2,599,217
CHILD'S SHAMPOO BOARD
Marion D. Artman, Chicago, Ill.
Application March 6, 1947, Serial No. 732,754
10 Claims. (Cl. 4—159)

1. A child's shampoo device useable in conjunction with a basin and a body-supporting surface extending generally horizontally from a brim portion of said basin, comprising a head-supporting drainboard structure having an end portion adapted to rest upon said brim portion, and leg means for and portable with said struc-



ture and adapted to rest upon the bottom of said basin while serving complementally with said brim portion for supporting said structure in an inclined position to drain from said end portion toward the opposite end thereof and into the basin.

2,599,218
ROLL END GUIDE
Russell A. Austin, Alliance, Ohio, assignor to Adamson United Company, Akron, Ohio, a corporation of Ohio
Application January 14, 1949, Serial No. 70,965
3 Claims. (Cl. 18—2)

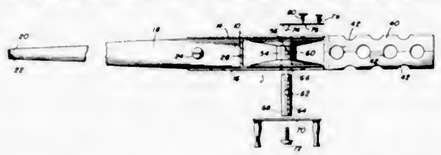


1. The combination in a mill, or the like, of a pair of rolls having journals, journal bearings for the journals, brackets supported in fixed relation to the journal bearings, a main guide carried by each bracket and having a portion curved to the contour of and engaging with an end of the roll, means for moving each main guide into engagement with its roll, a plow carried by the end of the main guide remote from the adjacent guide, adjustable pressure spring means for engaging each plow with a roll end adjacent the roll journal, and a pair of split guides overlapping in a plane transverse to the rolls and extending down into the bight between the rolls, one of the split guides being secured adjustably to one of the main guides and being movable towards and from the rolls, and the other split guide being secured adjustably to the other of the main guides and being movable towards and from the rolls.

2,599,219
FISHING ROD AND REEL
Jack Berchak, Elmira, N. Y.
Application March 1, 1948, Serial No. 12,359
5 Claims. (Cl. 43—20)

1. A fishing rod and reel comprising a housing which includes a bottom with upstanding flat sides, a handle projecting rearwardly from said sides, a reel disposed between said sides and having means for operating said reel, a flat rod disposed between said sides and projecting from the end thereof remote from said handle, a

bracket disposed between said sides and having one end of said rod releasably accommodated



thereby, and means securing said rod to the bottom of said housing.

2,599,220

AUTOMATIC START AND STOP MECHANISM

Christian N. Bergmann, Pittsburgh, Pa., assignor of one-third to Charles M. Clarke, Sewickley, Pa.

Application May 18, 1946, Serial No. 670,820
8 Claims. (Cl. 198—232)



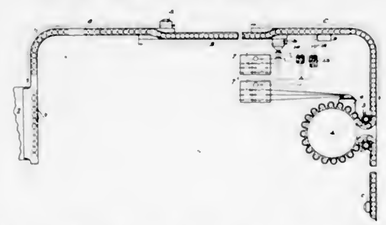
1. In combination with an independently driven unit conveyor having lateral guides leading to a terminal receiving device, and a motor therefor, a casing at one side of the conveyor, means for energizing said motor comprising a switch in said casing, a switch operating arm pivoted to said casing, movable across the conveyor and reversely therefrom to arrest and release unit progress, means connected with the arm for opening and closing the switch, and means limiting outward movement of the arm.

2,599,221

CONVEYER SYSTEM FOR RECEPTACLES FED TO FILLER MACHINES

Christian N. Bergmann, Pittsburgh, Pa., assignor of one-third to Charles M. Clarke, Sewickley, Pa.

Application June 20, 1946, Serial No. 678,108
6 Claims. (Cl. 198—34)



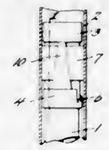
1. In combination with an independently driven permanent adjusted speed first conveyor section receiving spaced apart groups of bottles as from a washer, communicating with a variable speed regulated second conveyor section running at slower speed than said first section to effect spacing closure of bottles, said second section communicating with an independently driven permanently adjusted faster speed third conveyor section primarily effecting initial partial separation of bottles and final unit-to-unit contact with limitation of bottle pressure and continuous contact upon delivery to a filler, a motor drive for the filler, a control switch for the filler motor, a variable speed drive motor for the second conveyor, an automatic control device mounted adjacent the third conveyor section for stopping separated bottles and grouping them together before they are released to pass the automatic control device and close the circuit control switch which stops and starts the filler automatically in synchronism with the adjusted speed of the conveyor sections and bottle delivery to the control device.

2,599,222

LOCKING DEVICE FOR THE TUBES OF TELESCOPIC STRUCTURES

Åke Torgny Bergqvist and Bror Ivar Ferdinand Karlberg, Finspong, Sweden

Application May 9, 1947, Serial No. 747,160
In Sweden June 5, 1946
3 Claims. (Cl. 287—58)



1. A telescopic arrangement of tubes having a device for locking two coengaging tubes against axial movements with relation to each other, comprising in combination, an outer tube, an inner tube of such a diameter as to leave a radial space between itself and the outer tube, two axially spaced annular elements rigidly secured to the inner tube, the edges of said elements facing each other having oppositely positioned cam surfaces along a portion of their periphery and lying for their remainder portion in planes at right angles to the axis of the tube, a sleeve member in the radial space between the tube and in the axial space between the said annular elements of the inner tube, said sleeve member having an axially extending wedge-shape slit so as to be flexible, the inner and outer diameters of said sleeve member being such as to allow rotation of the sleeve member on the inner tube while preventing rotation thereof with relation to the outer tube due to frictional contact between the sleeve member and the outer tube, a wedge member in engagement with the edges of the slit of the sleeve member so as to form an expansion member for the sleeve member, one of said members being in engagement with the cam surfaces of the annular elements of the inner tube, and the other member being in engagement with other portions of the edges of said annular elements for effecting a relative axial displacement of the sleeve member and the wedge member with relation to each other as the result of a rotation of the tubes with relation to each other for effecting a clamping of the sleeve member and thus also of the inner tube to the outer tube on a relative rotation of the tubes in one direction.

2,599,223

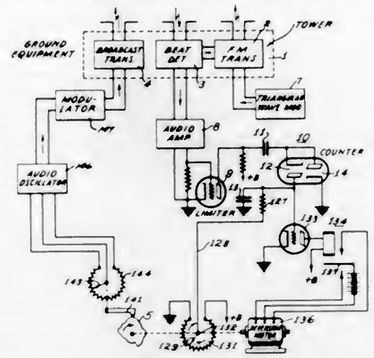
GLIDE PATH CONTROL FOR AIRCRAFT

Daniel Blitz, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 28, 1946, Serial No. 657,688
9 Claims. (Cl. 343—7)

4. An aircraft control system comprising a radar system located at an airport for determining the distance to an approaching aircraft,

means comprising a radio system at said airport for transmitting to said aircraft a control signal having a frequency that is a function of said distance and also a function of the contour of the land over which said aircraft is approaching, and a radio control system on said aircraft for holding said aircraft automatically on a predetermined glide path, said aircraft borne control



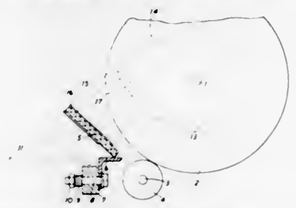
system comprising a radio altimeter that supplies an output signal having a frequency that is a function of altitude and further comprising a radio receiver for receiving said control signal, and means for changing the altitude of said aircraft in response to a change in the ratio of the frequency of said altimeter output signal and the frequency of said control signal.

2,599,224

MOISTENER FOR HECTOGRAPHIC DUPLICATING MACHINES

François Rodolphe Bonsch, Paris, France, assignor to Block & Anderson Limited, London, England, a British company

Application March 9, 1949, Serial No. 80,513
In Great Britain March 10, 1948
7 Claims. (Cl. 118—264)



1. A moistener for a hectographic duplicating machine including a flat pad surface bar and a damping pad spring biased for an edge contact with a sheet passing between said bar and pad, and means including a pivotal mount for said bar to permit the same to tilt lengthwise from a substantially medial point.

2,599,225

CLOTH-COVERED BUTTON

Carl Braegger, Flawil, Switzerland, assignor to Ludi & Co., Flawil, Switzerland

Application May 21, 1946, Serial No. 671,289
In Switzerland May 29, 1945
1 Claim. (Cl. 24—92)

A button comprising a rigid back wall having a pair of elongated parallel slots spaced apart leaving a free central bar in the plane of the wall and having a forwardly directed marginal rim, a rigid front wall having a rearwardly directed clamping flange as a continuation of its front, and formed with a central conical, depressed portion, which has an opening at its center, the limiting edge of which conical portion at said opening lies against the back wall, and said button



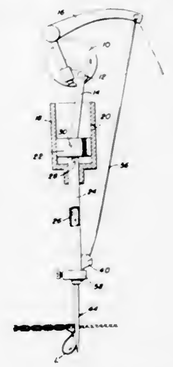
having upon its front wall a piece of cloth which is held fast between the said clamping flange and marginal rim, and covers said central opening as well as the bar, which makes possible the sewing-on of the button by machine by threads which pass back and forth through the cloth overlying the center opening of the front wall and holds the center portion of the cloth cover drawn into the depressed portion of the front wall.

2,599,226

LOOP FORMING DEVICE FOR STITCH FORMING MECHANISM

Eggert V. Briem, Forty Fort, Pa.

Application October 7, 1948, Serial No. 53,314
5 Claims. (Cl. 112—218)



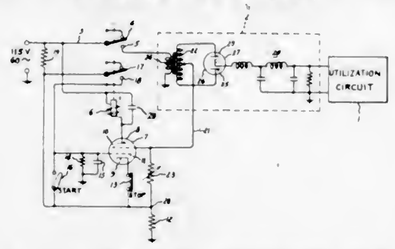
1. In a sewing machine having a loop taker, the combination with a vertically reciprocable needle bar, a needle carried by the needle bar and reciprocable thereby, said needle having an axial bore for passing a thread through the needle and terminating in a lateral eye-forming passage near the needle point extension of a loop of the thread out of said needle, and means for automatically forcing a fluid blast through the bore and the passage of the needle to feed the thread therethrough at a speed which exceeds the speed of movement of the needle so as to form a loop in the thread outwardly of said passage for taking by said loop taker, said means comprising a pump including a stationary cylinder, a piston reciprocable in the cylinder and connected to the upper end of the needle bar, and means connected to said piston to reciprocate the same and the needle bar, said needle bar having an axial bore communicating at its upper end with the cylinder below the piston and at its lower end with the bore of the needle.

2,599,227
WHEELED ANIMATED BIRD ON A CORD
Paul L. Brown, Detroit, Mich.
Application June 26, 1948, Serial No. 35,381
8 Claims. (Cl. 46—100)



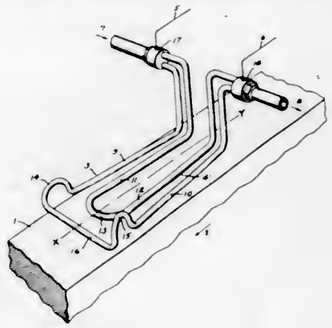
1. A mechanical toy comprising a body, oppositely extending wings pivotally mounted on the body, a traction wheel, axle means journalled on said body and secured to said wheel for rotation therewith, means for oscillating said wings upon rotation of said wheel including oblique extensions of said axle means engaging said wings, and means provided by said body for guiding a cord upon which said wheel has rolling engagement.

2,599,228
ELECTRONIC CONTROL CIRCUIT
Robert W. Brown, North Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application December 6, 1950, Serial No. 199,507
2 Claims. (Cl. 175—294)



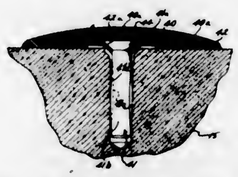
1. An overload protective apparatus for a load circuit comprising a two terminal source of alternating potential, a gaseous discharge device including an anode, a cathode, a control grid and a shield grid, a relay including an operating winding and a pair of normally open contacts for connecting said circuit to said source, said winding connecting said anode to one terminal of said source, said load circuit including a first and a second resistance connected in series between said shield grid and said other terminal, a third resistance connected between the junction of said first and second resistances and said one terminal, means connecting said cathode to the junction of said resistances, means connecting said control electrode to said other terminal, a normally open switch connected between said control grid and cathode, the alternating potential bias developed across said second resistor between said cathode and said other terminal normally maintaining said device non-conductive during positive excursions of the alternating potential applied between said anode and said cathode, and another pair of normally open contacts included in said relay and paralleled with said switch to maintain conduction in said device during positive excursions of the alternating potential applied between said anode and said cathode, said device being responsive to a change in shield grid-to-cathode potential resulting from current flow in said resistances above a given amplitude for rendering said device non-conductive.

2,599,229
WORK COIL
Raymond M. Bukaty, Montclair, N. J., assignor to General Electric Company, a corporation of New York
Application March 30, 1948, Serial No. 18,010
9 Claims. (Cl. 219—47)



9. A heating inductor comprising a pair of heating coils arranged in substantially symmetrical relation one within the other, each of said coils having a pair of substantially straight leg portions, all four of said leg portions being located side by side in co-planar relation, a bight portion joining the ends of the inner two leg portions at one extremity to close one of said coils, and a transversely disposed bight portion substantially parallel to the plane of said leg portions joining the ends of the outer two leg portions at the same extremity to close the other of said coils, said transversely disposed portion being spaced from the innermost coil and from the leg portions of the outermost coil by non-planar connections between said transversely disposed portion and said outer two leg portions.

2,599,230
PAVEMENT MARKER
George F. Carroll, Chicago, Ill.
Application January 26, 1948, Serial No. 4,249
1 Claim. (Cl. 94—1.5)



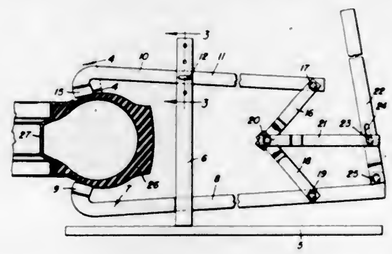
A pavement marker comprising a relatively rigid plate, a pavement anchoring element having a non-circular shank portion and an enlarged head portion, said plate having a non-circular aperture therein with said non-circular shank portion of said element inserted therethrough, said aperture having at least one generally radially disposed wall portion, said last mentioned wall portion extending downwardly to provide a tooth adapted to engage in the pavement surface to resist rotation of said plate relative to the pavement, and an envelope of moldable material substantially surrounding all of said plate except those portions adjacent said aperture.

2,599,231
INSERTABLE HINGE MOUNTING STRUCTURE
Victor J. Catalano, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application April 11, 1950, Serial No. 155,303
2 Claims. (Cl. 308—2)



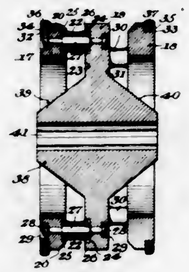
1. In combination, an oscillatable part having an opening formed therein, a base, a hinge post having one end fixed on the base and a hinge pin bearing formed in the other end thereof, a pair of movable hinge elements formed for insertion in opposing relation into the opening in the oscillatable part to loosely encircle the bearing end of the hinge post and provided with means for fixedly securing the elements in the opening and a hinge pin extending through the bearing for holding the movable hinge elements in opposing relation and thereby pivotally supporting the part for oscillation.

2,599,232
PIVOTED TIRE BEAD BREAKING TOOL WITH OPPOSED PRESSURE ELEMENTS
Peter Cebolski, Belleville, Mich.
Application March 21, 1949, Serial No. 82,544
1 Claim. (Cl. 157—1.28)



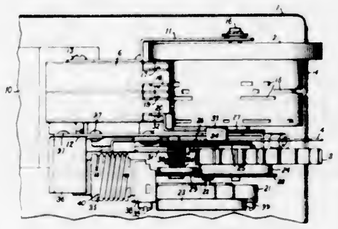
A tire tool comprising a stand having a flat base and a pair of spaced upstanding bars, a pair of co-acting jaws for gripping the opposite side walls of a tire, one of said jaws being fixed between said pair of bars and the other of said jaws being pivoted between said pair of bars above the fixed jaw, a lever pivoted to the rear end of the fixed jaw, links pivoted respectively to the rear ends of the fixed and pivoted jaws and also pivoted to each other, and a link connecting the first named links to the lever for actuating the pivoted jaw in an opening and closing movement, the pivoted jaw having an aperture therein and said bars having horizontally aligned and vertically spaced apertures in the same, and a pin insertable in said aperture in the pivoted jaw and in any of the aligned apertures in the bars to adjust selectively the pivoted jaw toward and away from the fixed jaw.

2,599,233
WHEEL FOR TANK STRUCTURES
John Edward Christie, Arlington, Va.
Application July 13, 1951, Serial No. 236,676
4 Claims. (Cl. 305—1)



1. A wheel adapted for use with an endless track adapted to pass around the wheel and provided with driving fins, said wheel comprising a plurality of annular sections, each section formed with a series of oppositely disposed spaced recesses, rollers supported between said sections and having each end thereof confined within said recesses, means for removably attaching said rollers to said sections and one of said sections carrying means enabling said wheel to be power driven whereby the fins of said endless track are brought into engagement with said rollers.

2,599,234
AUTOMATIC WASHING MACHINE CONTROL
David L. Clark, Bridgeport, and Jacob W. McNairy, Westport, Conn., assignors to General Electric Company, a corporation of New York
Application June 19, 1948, Serial No. 33,946
13 Claims. (Cl. 161—1)



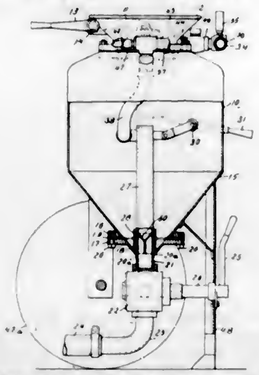
1. In combination, a sequential control for a series of operations, an interval control for varying the duration of one of said series of operations, a motor for driving said sequential control and said interval control, said motor being normally positioned in driving engagement with said sequential control, electro-responsive means including an energizing electric circuit therefor which when energized shifts said motor into driving engagement with said interval control, means responsive to said sequential control for energizing said electroresponsive means in one of said series of operations, and means operated by said interval control as it is driven by said motor to interrupt said circuit.

2,599,235

CONCRETE CONVEYING APPARATUS

Robert Lee Coney, Levittown, N. Y., assignor to The Prehy Co., Incorporated, New York, N. Y., a corporation of New York

Application September 7, 1950, Serial No. 183,569
1 Claim. (Cl. 302—53)



In a pressure grouting apparatus comprising a pressure tank having a conically tapered section with a bottom opening of larger diameter than the desired discharge opening; a pressure-tight valve mounted on said tank for charging grouting material to said tank; means connected to said tank for applying air pressure to the top of said material; a vertical by-pass pipe mounted in said tank and extending coaxially into said conically tapered section; means for vertically moving said by-pass pipe; means for supplying air under pressure to and downwardly through said by-pass pipe; substitutable means for providing a smooth unrestricted passageway from said conically tapered section to a proper size delivery hose to provide the grouting apparatus with proper size predetermined discharge passageways for varying materials ranging from fine wet material to aggregate-containing wet material, said substitutable means including a conical discharge section having a top opening equal to the bottom opening of said conically tapered section and coinciding in angle of slope with said conically tapered section, said conical discharge section having a bottom discharge connection of a size equal to the selected proper size delivery hose, means for releasably attaching said conical discharge section to said conically tapered section in pressure type engagement to provide a smooth unrestricted passageway to the bottom discharge connection, and valve means connected to said bottom discharge connection adapted to receive the selected delivery hose; and a tubular flexible rubber fitting coaxially mounted on said by-pass pipe and depending therefrom, said flexible rubber fitting having a conically tapered bottom portion for abutting engagement with said conical discharge section upon downward movement of said by-pass pipe.

2,599,236

MANUFACTURE OF SILICA BRICK FROM HIGHLY SILICEOUS SANDS

Friedrich Wilhelm Cramer and Otto Wilhelm Franz Saffran, Bochum-Dahlhausen, Germany, assignors to Dr. C. Otto & Company, G. m. b. H., Bochum, Germany, a German company

No Drawing. Application April 26, 1950, Serial No. 158,342. In Great Britain May 19, 1949
6 Claims. (Cl. 25—156)

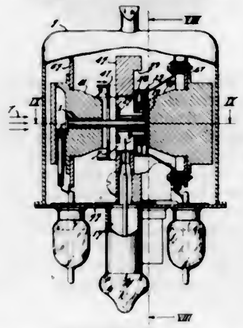
1. The method of manufacturing silica refractories of highly siliceous particles in which said material is prebaked and in which the particles prebaked are kept in motion during the prebaking operation and in which the prebaked material is thereafter molded into refractories and in which said refractories are fired at temperatures in the range of about 1350° C. to about 1400° C.

2,599,237

MAGNETRON GENERATOR

Carmen L. Cuccia, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 31, 1947, Serial No. 765,028
18 Claims. (Cl. 315—39)



1. A magnetron microwave generator including a first electron-emissive cathode, an anode disposed adjacent said cathode, means adjacent said anode for subjecting electrons from said cathode to a substantially constant intensity transverse magnetic field, means connected to said cathode and said anode for applying operating potentials thereto to generate microwave oscillations on said anode, a second electron-emissive cathode surounding a portion of said anode, shielding means interposed between said second cathode and the remainder of said anode for directing electrons emitted by said second cathode to impinge upon said anode portion, and means connected to said second cathode and said anode for applying modulating potentials thereto for controlling said directed electrons to modulate said oscillations.

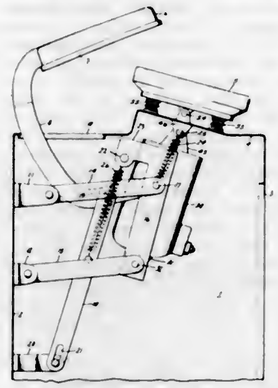
2,599,238

SHOE ACTUATING MEANS FOR AUTOMATIC FLATPLATE IRONERS

Carl S. Dayton, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application December 2, 1949, Serial No. 130,737
6 Claims. (Cl. 38—35)

1. In a domestic ironing machine having a frame, a buck supported thereby, and a shoe for cooperation with said buck for pressing articles laid thereon, the improvement in means for propelling said shoe from a retracted position into pressing relation with said buck comprising a parallelogram linkage in which the fixed link includes a frame element and the respectively opposite link is arranged for movement normal to the plane of the buck, a substantially U-shaped arm carrying the shoe at one end thereof and pivotally attached at its other end to a movable element of said linkage, means for driving said linkage in one or another direction relative to said buck, means including a rigid link pivotally affixed to said arm and to said frame to provide a fulcrum for rotation of said arm relative to said linkage upon movement of the latter, said rigid link having lost motion means affording lateral movement relative to the frame, means for supporting said rigid link to maintain the fulcrum



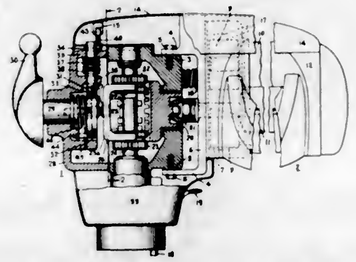
substantially against displacement in one direction of linkage movement, and stop means on said linkage engageable with said shoe arm to establish a limit of rotation thereof, whereupon further movement of said linkage in said one direction carries the arm and its associated shoe member normal to the plane of the buck.

2,599,239

WRINGER DRIVE GEAR MECHANISM

Earl V. De Carli, Ellington, Conn., assignor to General Electric Company, a corporation of New York

Application December 28, 1949, Serial No. 135,512
7 Claims. (Cl. 68—269)



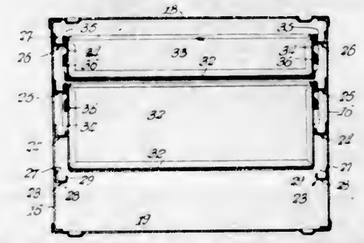
1. In a clothes wringer having a wringer head, a frame carried thereby, rolls mounted in the frame, roll driving mechanism within said head and including drive gearing having forward, reverse, and neutral operating positions and a gear shift yoke for establishing said positions: a control device for operating said shift yoke, comprising shaft means journaled in said head, means for rotating said shaft, a cam plate fixed to said shaft for rotation therewith, a second cam plate carried by said shaft for rotation independently thereof, said second plate having means engaging said shift yoke to operate the same, said second plate having indexing means establishing the operating positions thereof, springs means disposed about said shaft means and engageable with said second plate to bias the same to its neutral position, detent means biased for engagement with the indexing means of said second plate, cam means on said first plate effective upon rotation thereof to engage the detent means and urge the same to release temporarily the said indexing means, and drive means on said first plate engaging with said second plate to rotate the same to another operational position, said cam means during said rotation releasing said detent means for engagement thereof with an index position of said second plate.

2,599,240

CABINET AND DRAWER ASSEMBLY

Eli N. Ellerson, Chicago, Ill., assignor to Advertising Metal Display Co., Chicago, Ill., a corporation of Illinois

Application August 24, 1948, Serial No. 45,919
4 Claims. (Cl. 312—346)



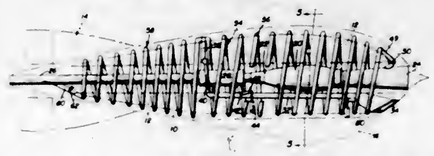
1. A sheet metal cabinet assembly embodying therein an open front casing having side walls, upwardly facing edge-like rails spaced inwardly from and parallel with said side walls and extending forwardly and rearwardly thereof, at least one drawer in said casing having back and side walls, means providing a downwardly opening channel on each side wall of the drawer having a sliding supporting engagement each on the top edge of an associated rail on an adjacent side wall of the casing from open to closed positions therein, and means formed from parts of the back wall of the drawer that are double folded over upon the side walls of the drawer and forming shoulders below and adapted to engage the underside of the associated rail to prevent a downward tipping of the drawer when it is drawn outwardly of the casing toward its open position.

2,599,241

LIGHTER THAN AIR AIRCRAFT WITH HEATING MEANS FOR THE GAS BAGS THEREOF

Walter E. Farmer, Corsicana, Tex.

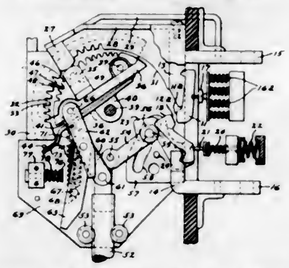
Application July 11, 1950, Serial No. 173,104
4 Claims. (Cl. 244—97)



1. In an aircraft which includes a longitudinal axis, a jet engine tube axially arranged in the aircraft, a gas bag disposed adjacent said tube, and means connected to said tube to direct heated fluid from near the tube into close proximity to the gas in said bag to heat the gas in the bag from heat of the tube, a cool air duct operatively connected with said means, and a control assembly to render said duct operative to cool the gas

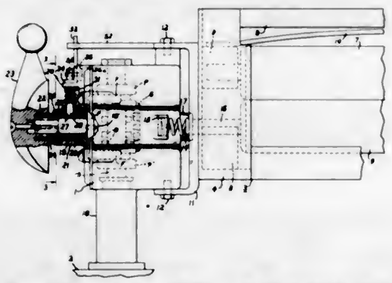
in the bag, and said control assembly comprising a by-pass connected with said duct at one end and connected at the other end to said means, and a valve to direct air from said duct selectively into said chamber and directly into a heat exchanger which forms a part of said means.

2,599,242
ROTARY CIRCUIT INTERRUPTER
John A. Favre, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application December 29, 1949, Serial No. 135,796
7 Claims. (Cl. 200—146)



2. A circuit interrupter having in combination, circuit-closing means including a rotatably mounted main contact and a separate rotatably mounted arcing contact, each having a circuit-closing position, and a push-pull operating member provided with linear to dual rotary-motion converting mechanism for sequentially operating the contacts including a toggle connected to the arcing contact and a link pivotally connecting the member with the knee of the toggle for rotating the arcing contact to the circuit-closing position and a roller provided with a guide cam for engaging the main contact and a link pivotally connecting the member with the roller for sequentially rotating the main contact to the circuit-closing position while the toggle is operating overcenter.

2,599,243
EMERGENCY DECLUTCHING MECHANISM FOR CLOTHES WRINGERS
Cecil W. Feher, Shelton, Conn., assignor to General Electric Company, a corporation of New York
Application November 3, 1949, Serial No. 125,217
6 Claims. (Cl. 68—269)



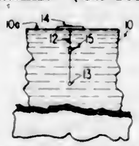
1. In a clothes wringer, the combination of a wringer head, frame means swingably carried thereon, wringer rolls journaled in said frame means, drive mechanism within said head and including gear shift mechanism for driving said rolls, means for operating said gear shift mechanism from neutral to a driving position, including a rotary shift actuator, a detent sleeve thereon, and handle means for effecting a conjoint rotation of said actuator and said sleeve, spring means biasing said gear shift actuator to neutral position, a detent carried by said head for rectilinear movement therein, said detent engaging with said sleeve for releasably securing said gear shift in driving position, and means for withdrawing said detent for return of said gear shift to neutral, comprising a member having a body portion extending parallel to the path of movement of said detent and a base portion extending angularly therefrom and carried by said wringer head, said base portion having relatively narrow legs providing fulcrums on either side of said detent path, pin means pivotally interconnecting said detent and said body portion, walls projecting from said wringer head to define a channel parallel to said detent path for slidably receiving said pin means, said walls having end portions engaging with said body portion to support the same, and a lever extending from said frame means and engaging said body portion above the base thereof, whereby to enforce rotation of said detent withdrawing means upon swinging said frame means relative to said head.

2,599,244
UNITARY DOORFRAME TRIMMING DEVICE
Rose S. Ferrara, Bronx, N. Y.
Application November 30, 1951, Serial No. 259,118
6 Claims. (Cl. 160—83)



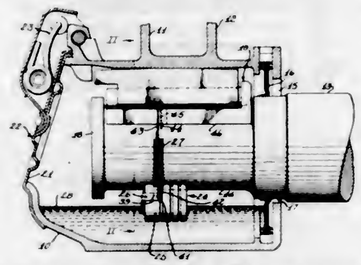
1. A doorframe trimming device, comprising a flexible sheet having an upper reinforced attaching edge, an elongated rod fixed to the lower portion of said sheet, said rod having ends terminating at side portions of the sheet, a pair of brace rods pivotally coupled to the ends of said first named rod, said sheet being adapted to be normally rolled upon the first named rod to assume a compact mounting thereon, and said brace rods being collapsible onto the rolled sheet and assuming a position parallel with respect to the first named rod when the device is in collapsed position.

2,599,245
METHOD AND APPARATUS FOR SEISMIC PROSPECTING
Robert S. Finn, Tulsa, Okla., assignor to Seismograph Service Corporation, Tulsa, Okla., a corporation of Delaware
Application June 27, 1947, Serial No. 757,485
12 Claims. (Cl. 181—.5)



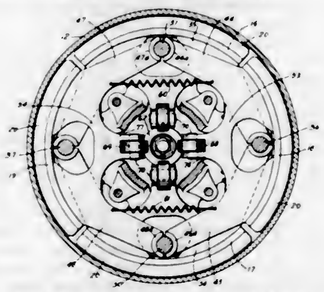
1. The method of generating seismic waves beneath the surface of a body of water while substantially preventing the generation of undesired non-primary waves, which comprises interposing at least one auxiliary explosive charge between the surface of the water and a main charge, detonating said main charge to generate the desired waves, and detonating said auxiliary charge to open a gas escape path between the surface of the water and the exploding main charge.

2,599,246
JOURNAL LUBRICATOR
William J. Fitzsimmons, Chicago, Ill.
Application June 6, 1950, Serial No. 166,351
7 Claims. (Cl. 308—91)



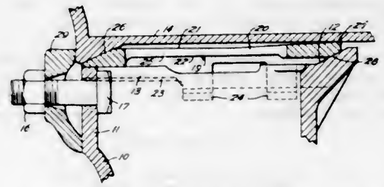
1. In a journal box assembly including a box having a journal therein with an outer flanged end spaced inwardly from the lower edge of an outer opening in the box and a bearing element on the top of the journal, a detachable lubricating device at the bottom of the journal comprising a lubricating roll which is short axially relative to said journal, a carriage rotatably attached at one end only of said roll, said carriage having arms extending radially outwardly and axially inwardly from the attached end of said roll, and detachable connecting means attached to said arms at corresponding positions located axially between the ends of said roller for floatingly suspending said device from said bearing element, said carriage when in attached position being spaced from the bottom of the box so that upon disengagement of said connecting means said device can fall to the bottom of the box, said roll and carriage being of a thickness less than the distance between said journal flanged end and the edge of said outer opening whereby the roller can clear the journal end flange for relative endwise movement with respect to said journal and for removal through said opening.

2,599,247
BRAKE MECHANISM
Duncan P. Forbes, Rockford, Ill., assignor to Gunite Foundries Corporation, Rockford, Ill., a corporation of Illinois
Application March 20, 1947, Serial No. 736,002
8 Claims. (Cl. 188—78)



1. A brake mechanism comprising a brake drum rotatable in either direction of rotation, four rigid shoes in a common plane each having a frictional surface extending through an arc approaching but less than 90° and shaped to engage said drum, diametrically opposed fixed anchors, means for pivotally supporting each of said shoes on a pair of diametrically opposed anchors, each shoe being movable from a retracted position in which each shoe is supported by both of its anchors and is out of engagement with the drum to an applied position in which the entire friction surface of each shoe uniformly engages the drum and each shoe is supported by only one anchor and is out of engagement with the other anchor, and means for simultaneously applying an equal radial force to each of said shoes at a position midway between the ends of each shoe for moving the shoes simultaneously from said retracted position into engagement with the drum to thereby cause the drum to carry the shoes to the aforesaid applied position and effect substantially equal self-energizing of the shoes.

2,599,248
DUAL WHEEL SINGLE RIM ADAPTER
Duncan P. Forbes and Sylvester A. Malthaner, Rockford, Ill., assignors to Gunite Foundries Corporation, Rockford, Ill., a corporation of Illinois
Application March 3, 1950, Serial No. 147,526
11 Claims. (Cl. 301—13)



3. A device for supporting a single rim of the gutter type on a normally dual rim wheel having a spoke with an angled rim seat portion at its inboard side, comprising a plate for disposition over the end of said spoke, a radially inner surface on the outboard end of said plate for bearing on said spoke end, a radially outer wedging surface on said outboard plate end, a radially inner tapered surface on the inboard plate end for engagement on said angled portion, a portion on the inboard plate end offset radially outwardly of the radially outer plate face, said wedging surface and offset portion being arcuate transversely of said plate and adapted to wedgingly engage said rim gutter and an inboard portion of the radially inner surface of said rim, respectively, upon relative movement of said rim on said plate in an inboard direction, and means attached to said plate extending radially inward therefrom intermediate the inboard and outboard ends thereof to engage the outer end of said spoke to prevent movement of the plate circumferentially of the wheel.

2,599,249
METHOD OF COPOLYMERIZING ETHYLENE WITH BUTADIENE
Bernard S. Friedman, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 7, 1950, Serial No. 148,273
1 Claim. (Cl. 260—680)

The method of forming liquid, higher molecular weight straight-chain diolefin copolymers

having from 6 to 10 carbon atoms which comprises the step of reacting ethylene with butadiene in the presence of cobalt oxide-charcoal catalyst at a temperature in the range approximating 165° to 575° F. and at a pressure between about 100 to 1000 p. s. i. g. at a reaction space velocity in the range of about 25 to 400 volumes of each of the fluid reactants per volume of catalyst per hour.

2,599,250

PRODUCTION OF HALOPHENOXY ACETIC ACIDS

Victor C. Fusco, Youngstown, N. Y., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application September 9, 1949, Serial No. 114,933
4 Claims. (Cl. 260—521)

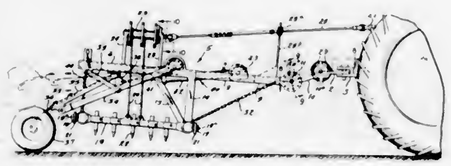
1. In the production of halophenoxyacetic acids by acidification of the condensation products of alkali metal halophenolates and haloacetates, the steps of precipitating and recovering the alkali metal salt of the halophenoxyacetic acid from an aqueous slurry of the reaction mixture of the alkali metal halophenolate in substantial excess of the theoretical amount required to react with the alkali metal haloacetate prior to acidification by adjusting the concentration of free metal halide in the mixture to a value of at least about 7 weight per cent based on the water and halide at a pH of at least about 10, by filtering the precipitated alkali metal halophenoxyacetate from the reaction mixture and by washing the precipitate with an aqueous solution of the alkali metal halide having an alkali metal concentration of at least 7 per cent by weight based on the water and halide in the solution.

2,599,251

WHEELED HARROW

Robert W. Garrett, Coulterville, Ill.

Application June 19, 1948, Serial No. 34,073
1 Claim. (Cl. 55—19)



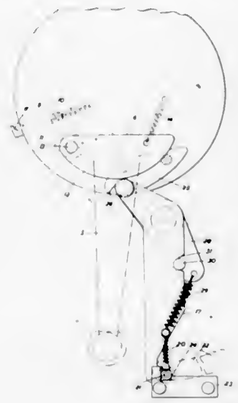
A retractable wheel assembly for mounting transversely at the rear end of a flat harrow frame for raising that end from the ground in moving the harrow from place to place, the front end of the harrow frame being provided with means for attachment to a tractor, and whereby the frontal end may also be raised from the ground in transporting the harrow, the harrow frame also having mounted thereon an elevated frame section with which the wheel assembly is pivotally connected, said wheel assembly comprising a pair of elongated members pivoted at their upper ends in laterally spaced relation to the upper portion of the elevated harrow frame section, the free ends of these said members being extended rearwardly and angularly downward, a pair of elongated relatively shortened struts pivoted at their lower ends to the lower ends of the said elongated members as extended from the elevated harrow frame section, springs anchored at their upper ends to the lower ends of said struts and extended outwardly therefrom, wheels operatively mounted at the lower ends of said springs, a transverse member pivoted at its ends to the upper ends of the said struts, a pair of elongated links pivoted at their upper ends to the rear portions of the elevated harrow frame section and at their inwardly inclined lower ends to the lower ends of short and vertically extended links pivotally connected at their upper ends to the upper ends of said struts, and chains connecting the rear portion of the elevated harrow frame section with the rear portion of the harrow frame, whereby through force and power as applied to the said transverse member, the wheels of the assembly may be either raised for lowering the harrow to the ground for use, or may be lowered into contact with the ground for elevating the harrow from the ground for transportation purposes.

2,599,252

MASTER CLIP OPENING MEANS FOR ROTARY DUPLICATING MACHINES

Hugo Gerlach, London, England, assignor to Block & Anderson Limited, London, England, a British company

Application September 23, 1948, Serial No. 50,683
In Great Britain September 27, 1947
4 Claims. (Cl. 101—216)



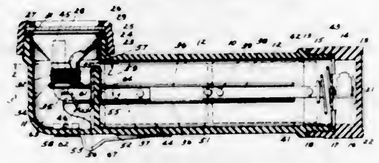
1. A hand operated rotary printing machine having a frame including a side plate, a rotatable printing drum journaled in the side plate, a master clip movable on the drum between open and closed positions, an operating handle rotatable on the side plate, an operating connection between the handle and the drum, and means for operating said clip in a predetermined position of the drum; said clip operating means including a lever pivoted on the side plate for oscillation in a plane parallel to the plane of rotation of said operating handle, and said lever having a hand engageable terminal extending therefrom proximate the operating handle for movement therewith through an arc parallel to that described by the handle during that part of its motion corresponding to approach of the drum to said predetermined position.

2,599,253

ANGULAR HEAD FLASHLIGHT CASING, INCLUDING A READILY ATTACHABLE LAMP CONTACT MEANS

Joseph A. Gits, Chicago, Ill., assignor of one-half to Jules P. Gits, Chicago, Ill.

Application August 29, 1946, Serial No. 693,737
6 Claims. (Cl. 240—10.67)



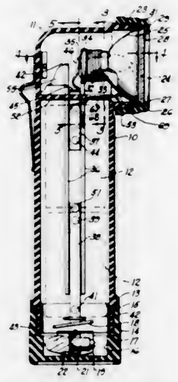
1. A flashlight casing comprising a hollow barrel, a hollow head mounted on one end of said barrel and having an angularly disposed open end portion, an end closure mounted on the other end of said barrel, an apertured bridging member transversely mounted within said barrel at substantially the juncture of said barrel and head and forming an energizing source receiving compartment within said barrel and a bulb-reflector receiving compartment within said head, said barrel, head, and bridging member being of an insulating material, the aperture in said bridging member being aligned with and adjacent to the open end portion of said head, and a removable contact piece of conducting material comprising a resilient U-shaped portion having a base and two legs and a resilient bulb contacting portion extending from one of said legs, said base being disposed in said aperture and said legs being tensioned to resiliently engage said bridging member, said bulb contacting portion being disposed within said bulb-reflector-receiving compartment and the other of said legs being disposed in the energizing source-receiving compartment to form an energizing source contact member.

2,599,254

ANGULAR HEAD FLASHLIGHT CASING, INCLUDING A READILY ATTACHABLE REFLECTOR CONTACT MEANS

Joseph A. Gits and Jules P. Gits, Chicago, Ill., assignors to Gits Molding Corporation, Chicago, Ill., a corporation of Illinois

Application August 26, 1948, Serial No. 46,238
5 Claims. (Cl. 240—10.67)



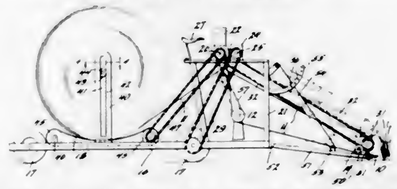
4. A flashlight structure comprising a barrel, a head forming a juncture at one end of said barrel and extending from said barrel at an angle to the axis thereof, a bridging member internally dividing said barrel from said head, said bridging member having two edges parallel to the plane of the axes of said barrel and said head to form an aperture, said edges having grooves therein substantially parallel to the surface of said bridging member, a contact member inserted in said aperture and retained in said grooves with one end extending into said barrel to form an energy source engaging contact therein and with the other end extending in said head to form a reflector-engaging contact.

2,599,255

HAY CUTTER AND LOADER

Lowell R. Graessle, Spencerville, Ohio

Application March 8, 1950, Serial No. 148,328
8 Claims. (Cl. 56—23)



1. The combination of a wheeled vehicle, crop gathering means carried by the vehicle at its forward end, a transverse spindle mounted on said vehicle immediately behind the gathering means, two rotatable reels mounted on said vehicle, and a web wound about one reel extending around the spindle and reversely around the other reel, the web, when traveling in one direction receiving a crop from said gathering means and storing the same on one reel and when traveling in the opposite direction delivering the crop from said one reel to other storage means.

2,599,256

YARN TWISTING MACHINE

Jack K. Hartley, Queensferry, near Chester, England, and Vernon F. West and Thomas E. Edwards, Flint, Wales, assignors to Courtaulds Limited, London, England, a British company

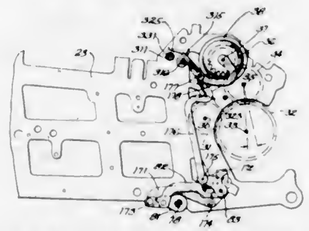
Application April 11, 1951, Serial No. 220,412
In Great Britain May 19, 1950
4 Claims. (Cl. 57—58)



1. A yarn twisting machine comprising a double twist spindle pivoted at its lower end and so

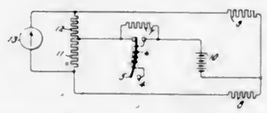
mounted that when free it falls forward to a non-operative position, a collector for the twisted yarn, a yarn break detector and catch mechanism for holding the double twist spindle in a vertical driving position and releasing it at the instigation of the yarn break detector.

2,599,257
SPLIT ACCUMULATOR MECHANISM
Eugene V. Heitlinger, Franklin Park, Ill., assignor to Felt and Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 11, 1951, Serial No. 205,445
11 Claims. (Cl. 235—144)



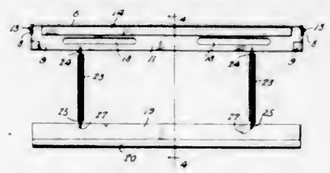
1. In a calculating machine having a multi-denominational order accumulator with a numeral wheel, a numeral wheel driving gear train and a carrying spring in each order, an actuator for said accumulator including a transmitting gear normally in mesh with each said gear train, and zeroizing means selectively operable manually to detrain said gear trains from said transmitting gears to permit said carrying springs to return the actuated said numeral wheels to zero position to clear said accumulator; means for splitting said accumulator to prevent clearing of said numeral wheels in certain denominational orders, comprising detent means mounted in each of said certain orders, means operable by said zeroizing means to move said detent means into engagement with their associated said gear trains as the same are so detrained, and control means normally disposed in operative position to block such movement of said detent means by said last means and selectively movable manually to inoperative position to enable such gear train engaging movement of said detent means by said zeroizing means.

2,599,258
SUPPLY VOLTAGE VARIATION COMPENSATION
Stephen C. Hoare, Manchester, Mass., assignor to General Electric Company, a corporation of New York
Application June 10, 1949, Serial No. 98,355
3 Claims. (Cl. 175—183)



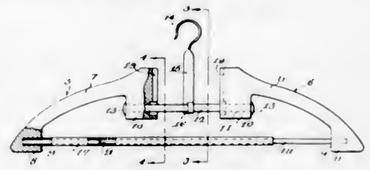
3. A measuring circuit comprising a source of supply, a four-arm bridge supplied from said source, one arm comprising an impedance the value of which varies in proportion to the quantity to be measured, a well damped d'Arsonval measuring instrument connected across said bridge to indicate the direction and extent of unbalance of said bridge due to variations in said variable impedance arm and a current regulator connected in the supply to said bridge from said source comprising a resistance and a thermal responsive switch connected in parallel, said thermal responsive switch being biased to a closed position at ambient temperature and subject to heating by current passing therethrough to cause it to open, whereby it repeatedly opens and closes as it heats and cools, said regulator being designed and serving to compensate said measuring circuit for appreciable variations in the voltage of its source of supply, and the opening and closing regulating action of said thermal responsive switch being sufficiently rapid in relation to the damping of said instrument that the latter is nonresponsive to such regulating action.

2,599,259
LICENSE PLATE HOLDER
John P. Hooks, Chicago, Ill., assignor of fifteen per cent to John A. Holmes, Chicago, Ill.
Application July 17, 1950, Serial No. 174,155
4 Claims. (Cl. 40—125)



1. A license plate holder comprising in combination, an upper fixed bracket, a plate pivoted to said bracket and having a license plate edge-receiving channel supporting lugs carried by said upper bracket and constituting bearing stops against which said plate is supported, a lower plate having a license plate edge-receiving channel, and spring means engaging the upper bracket and the lower plate to urge the lower plate into license plate-engaging position.

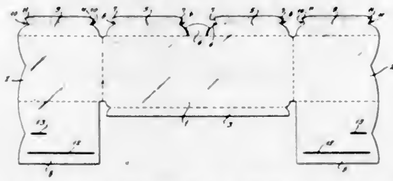
2,599,260
GARMENT HANGER
William Houghton, Langeloth, Pa., assignor of one-third to Edward V. Sciamanna, Burgettstown, and one-third to Buford J. Byrd, Langeloth, Pa.
Application October 28, 1949, Serial No. 124,169
1 Claim. (Cl. 223—89)



A device of the character described comprising a pair of outwardly and downwardly curved shoulder members, a pair of blocks each integrally formed with and dependent from the inner end of one of said shoulder members, said blocks each having a laterally extending opening adjacent the lower end thereof, a support rod extending slidably through said openings, a stop head formed at each end of said support rod, a supporting hook, a shank integrally dependent from said hook, a collar formed integrally with the lower end of said shank and centrally affixed about said support rod, a thickened lower end portion for each of said shoulder members, a guide tube affixed to one of said end portions, and a guide

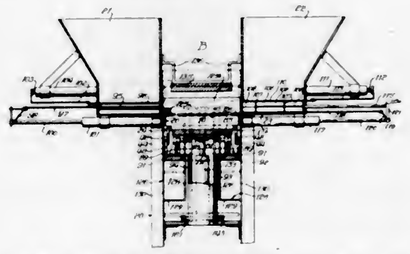
rod affixed to the other end portion and slidable in said guide tube, said blocks having complementary grooves formed in their inner faces for the reception of the interposed portions of said shank and said collar.

2,599,261
BILLFOLD WITH UNSTITCHED CENTER PANEL
Edgar Hughes, Joplin, Mo., assignor to The Meeker Company, Inc., Joplin, Mo., a corporation of Missouri
Application June 28, 1951, Serial No. 233,962
3 Claims. (Cl. 150—38)



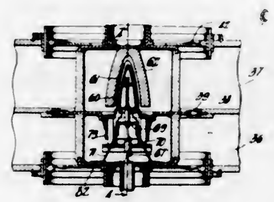
1. A billfold having a full length pocket opening along the upper edge thereof and two end pockets that open toward each other in the unfolded position of said billfold and overlie each other in the folded position of said billfold, said billfold including a panel forming the outer side wall of said full length pocket and having end extensions folded to form the inner and outer side walls of said end pockets and portions of the inner side wall of said full length pocket, each of said inner side walls of said end pockets having a longitudinal slit therein, and a center panel having a facing flap and an inside flap, said facing flap being positioned to bridge the space between said end pockets and slide therein, said inside flap having tongues thereon with longitudinal slits extending therefrom, said tongues on said inside flap being adapted to cooperate with said longitudinal slits in said inner side walls of said end pockets.

2,599,262
FOUNDRY MOLDING MACHINE
Paul Kvederis, Chicago, Ill.
Application December 30, 1948, Serial No. 68,219
13 Claims. (Cl. 22—20)



1. A molding machine comprising a horizontal track, a filling station adjacent said track, mechanism operative to advance flasks along said track intermittently in measured steps, each of which steps is of proper length to position an unfilled flask at said filling station, means at said filling station for depositing molding sand in the flask momentarily situated thereat, and means at said filling station including an upper stationary platen and a vertically movable bottom plate for compacting the sand in said flask and for impressing semi-cavities into the top and bottom surfaces of the sand filling and thereby forming cope and drag sections of a mold in the same flask.

2,599,263
ULTRAHIGH-FREQUENCY ELECTRON DISCHARGE DEVICE
Russell R. Law and Louis Pensak, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application August 15, 1944, Serial No. 549,513. Divided and this application April 23, 1948, Serial No. 22,753
10 Claims. (Cl. 315—6)

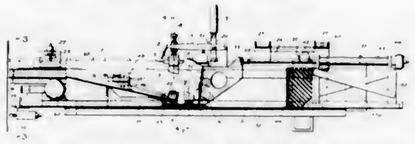


3. An electron discharge device having a plurality of electrodes and including a cathode, said cathode comprising a wedge-shaped member and a cathode heater received within said member, a pair of superimposed spaced conducting elements, one of said conducting elements closing the end of said cathode and a plurality of rod-like conductors extending between said conducting elements, and a grid disposed over said cathode and heater and having a box-like shield surrounding the other conducting element and supported thereby in insulated relation.

2,599,264
FLOORING COMPOSITION OF BLOWN PETROLEUM RESIDUE AND ASBESTOS FIBER
Harry W. Lawson, Chicago, Ill., assignor to Alpine Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 26, 1948, Serial No. 4,465
2 Claims. (Cl. 260—41)

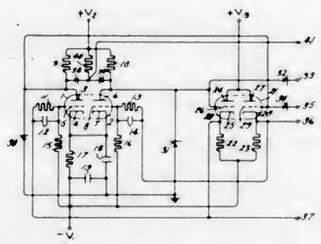
1. A flooring composition which is free from a plasticizing agent as an ingredient thereof; a component of said composition being a resinous binder formed by treatment of a petroleum residue having initially a pour point within the range from about 30° F. to about 80° F., and an iodine number within the range from about 180 to about 240; said treatment comprising essentially the step of air blowing said residue in the presence of a catalyst at a temperature in the range from about 270° F. to 375° F.; said binder having a melting point within the range from about 70° F. to about 190° F. and an iodine number not substantially lower than 160 nor substantially higher than 220; said binder imparting to said flooring composition high resistance to saponification by alkaline agents and an effective degree of cold flow and of flexibility; said composition comprising, in intimate admixture, in parts by weight, from about 28 parts to about 30 parts of said resinous binder, about 2 parts to about 10 parts of pigment, and the balance, to make a total of 100 parts, of short asbestos fibers.

2,599,265
ACCURACY SHOOTING REST WITH RECOIL ABSORBING MEANS
Wayne E. Leek, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application June 27, 1950, Serial No. 170,590
18 Claims. (Cl. 89—43)



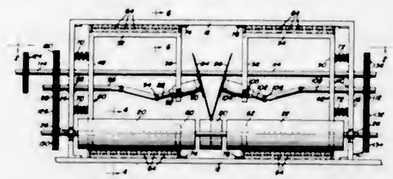
1. A machine rest for firearm testing comprising in combination a framework; means to clamp a firearm to said framework; a mounting for said framework including a track; rollable means engaged between said framework and said track supporting the framework with capacity for recoil from a predetermined starting position relative to said mounting; means to return said framework to said starting position after completion of said recoil; and electrical control means for said return means arranged to render said return means inoperative to oppose recoil of said framework at the instant of firing and during a free recoil period thereafter at least equalling in time duration the time required for a projectile fired from a firearm clamped to said framework to pass through the barrel of said firearm.

2,599,266
ELECTRONIC SWITCHING CIRCUIT
Burton R. Lester, Camillus, N. Y., assignor to General Electric Company, a corporation of New York
Application September 15, 1950, Serial No. 185,064
3 Claims. (Cl. 250—27)



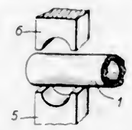
2. A single terminal input circuit for receiving triggering voltage pulses to trigger a flip-flop circuit; said flip-flop circuit comprising two electric discharge devices each having an anode, a cathode, and a control electrode; said input circuit comprising a pair of unidirectional impedance devices connected back-to-back between said anodes and providing a single input terminal at the junction therebetween, two cathode-follower-connected electric discharge devices each having an anode, a cathode, and a control electrode, each of said cathode-follower-connected electric discharge devices having a connection from its control electrode to the anode of a different one of said first-mentioned two electric discharge devices and from its cathode to the control electrode of the other of said first-mentioned two electric discharge devices, whereby a voltage pulse received at said input terminal is routed through a preselected one of said cathode-follower-connected electric discharge devices to the control electrode of one of said first-mentioned two electric discharge devices to trigger said flip-flop circuit.

2,599,267
STEM REMOVER FOR TOBACCO LEAVES
Henry Lewin, Clarksville, Tenn.
Application November 14, 1950, Serial No. 195,653
4 Claims. (Cl. 131—131)



1. In a tobacco stemming machine, the combination with a pair of circular knives having adjacent cutting edges arranged to receive the stem of a tobacco leaf between them, means comprising a frame, a plurality of roll shafts carried by said frame, rolls on said shafts, means comprising laterally shiftable carriages positioned in said frame, each of said carriages being operatively connected to a knife, and means for operating said knives individually to de-stem said tobacco leaf.

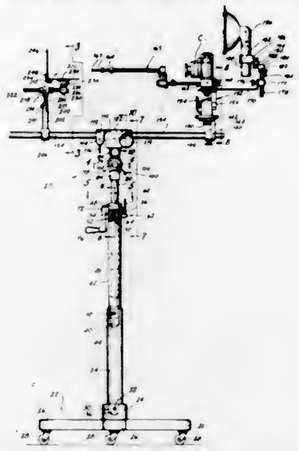
2,599,268
METHOD OF PRODUCING HOLLOW CERAMIC BODIES
Rudolf Maculan, Vienna, Austria, assignor to Baumat A. G., Zurich, Switzerland
Application January 25, 1949, Serial No. 72,718
In Austria January 31, 1948
6 Claims. (Cl. 25—156)



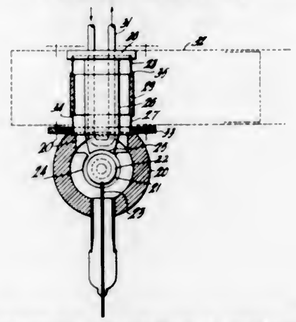
1. The method for producing hollow ceramic bodies of substantially spherical shape for use as a coarse aggregate in concrete masses, comprising the steps of extruding a tubular body of plastic ceramic material, mechanically compressing the walls of the emerged tubular body while still in a plastic state, at equal distances to form solid portions, said solid portions defining in the tubular body enclosed and rounded hollow sections of uniform structure, separating said hollow sections at said solid portions to obtain hollow sections of substantially spherical shape, drying and baking said hollow sections to form hollow bodies having a uniform resistance to pressure throughout their surface.

2,599,269
PHOTOGRAPHIC STAND
Edward D. Markle, Jefferson City, Mo.
Application August 17, 1949, Serial No. 110,717
7 Claims. (Cl. 95—86)

1. A device of the type described, comprising a base member; a bar-like member disposed above said base member; means for supporting said bar-like member at selected distances above the base member; means for locking said bar-like member in selected vertical position; means for moving said bar-like member transversely of the base member; means for locking said bar-like member in selected transverse position; means for tilting said bar-like member relative to the base member; means for locking said bar-like member in selected tilted position; a camera support having universal tilting movement removably mounted on said bar-like member adjacent one end thereof; and light providing means having universal tilting movement associated with said camera support and adjustable with respect thereto.

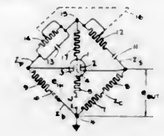


2,599,270
MAGNETRON
Eric Christopher Stanley Megaw, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1946, Serial No. 709,990
In Great Britain November 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 12, 1963
6 Claims. (Cl. 315—39)



1. A magnetron comprising a conducting casing including a block having a hole therein, an elongated conducting rod coaxially mounted in insulated relation with respect to said casing and forming therewith a coaxial transmission line, said rod extending into and terminating within said block, and a pair of anodes within said casing, one being constituted by a cylindrical portion of the wall of said hole in said block and the other being constituted by the end of said rod, which end lies substantially in the cylinder of which said cylindrical wall portion forms a part.

2,599,271
AUDIO-FREQUENCY AMPLIFIER
Philip C. Michel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 31, 1949, Serial No. 84,698
3 Claims. (Cl. 179—171)

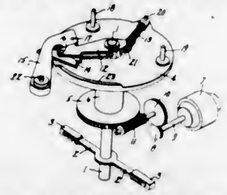


1. An alternating current amplifier circuit comprising a first conductor, an electric discharge device having a cathode, an anode, and a discharge controlling electrode, means to apply between said first conductor and said controlling electrode a voltage derived from an alternating voltage signal to be amplified, a first impedance network connected from said cathode to said first conductor, a second impedance network including a source of unidirectional voltage and connected between said anode and said first conductor whereby a voltage is produced in one of said impedance networks varying in phase with the signal to be amplified and a voltage is produced in the other impedance network varying 180 degrees out-of-phase therewith, a second conductor, a series resistance-capacity network connected from said second conductor to the in-phase voltage producing impedance network, a parallel resistance-capacity network connected from said second conductor to said 180 degree out-of-phase voltage producing impedance network, means to adjust the relative impedance of the two resistance-capacity networks at a desired frequency component of a signal voltage to produce a zero voltage at said frequency between said first and second conductors, the components of said resistance-capacity networks being so chosen that the resistance in each network is equal to the capacitive reactance therein at said frequency when the circuit is in said first-to-second conductor zero voltage condition, and means to superimpose degeneratively upon a signal voltage a fraction of the voltage developed between said first and second conductors at all other frequencies.

2,599,272
FAST-ACTING SWITCHING DEVICE
Salvatore Minneci, James F. McKenney, and Emil J. De Noyers, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application January 27, 1951, Serial No. 208,178
13 Claims. (Cl. 74—97)

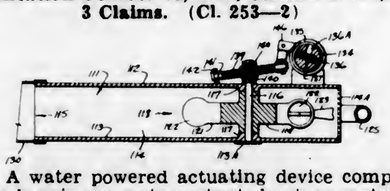
1. A snap acting device comprising a shaft rotatable in a clockwise and a counterclockwise direction, said device having an actuated position corresponding to each of said directions of rotation of said shaft, a hub assembly loosely mounted coaxially on said shaft, means for rotating said hub assembly, a crank member rigidly attached to said shaft adjacent said hub assembly, said crank member having a long arm and a

short arm extending in opposite directions, a spring member attached to the outer end of the short arm of said crank member, the opposite end of said spring member being attached to a radially outer portion of said hub assembly, a toggle lever pivotally connected to the outer end of the long arm of said crank member, a stop arm having one end connected to a fixed pivot radially outwardly of the outer circumference of said hub assembly, the opposite end of said stop arm being pivotally connected to said toggle lever, the point of pivotal connection between said toggle lever and said stop arm normally be-



ing overcenter of the straight line connecting the fixed pivot point of said stop arm and the pivotal connection between the long arm of said crank member and said toggle lever, said point of pivotal connection between said toggle lever and said stop arm having an overcenter position corresponding to each of said actuated positions of said device, said stop arm abutting a different edge of said long arm of said crank member in each of said overcenter positions, and tripping means mounted on said hub assembly and engageable with said toggle lever for moving said toggle lever out of said overcenter positions.

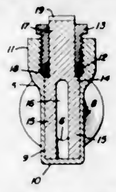
2,599,273
WATER-POWERED ACTUATOR
John T. Mitchell, Memphis, Tenn.
Application October 20, 1947, Serial No. 780,808
3 Claims. (Cl. 253—2)



1. A water powered actuating device comprising a housing, a water actuated rotary motor in said housing, means for supplying a jet of water to the housing for actuating said motor, a rotary shaft driven by said motor, head oscillatably mounted on said housing and means for oscillating said head which comprise a disc fixed to said shaft concentric with said motor and at an oblique angle to the axis of said shaft, said disc having a peripheral groove, a pair of lugs diametrically opposed with respect to said disc and engaging said disc groove for alternate depression upon rotation of said shaft and means connecting said lugs to said head for rocking said head responsive to said alternate depression of said lugs.

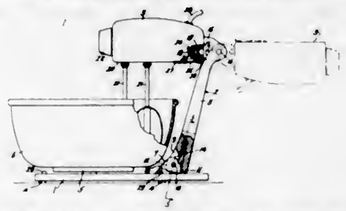
2,599,274
ROTARY PLUG VALVE
Edward A. Murnin, Jr., Bethlehem, Pa.
Application March 1, 1949, Serial No. 78,942
1 Claim. (Cl. 251—101)

A rotary plug valve comprising a one-piece casing provided with a longitudinal passage and a cylindrical transverse bore intersecting said passage, said bore being of a greater diameter than the portion of said passage intersected thereby and being extended below the bottom of said passage and terminating above the bottom of the casing, said bore further opening through the top of the casing, a neck integrally formed on the top of the casing and having a bore larger than and communicating with the upper end of the first-named bore, a rotary valve plug fitted in the casing and formed of a cylindrical rod having one end portion bifurcated to provide a pair of similar solid resilient furcations with a space of uniform width therebetween, said furcations being tensioned to spread into snug con-



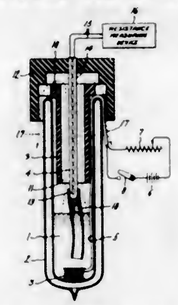
tact with the wall of the first-named bore, the other end portion of said rod being of reduced diameter to provide a cylindrical stem extending through and disposed axially of said neck, a packing in the inner portion of the neck about said stem, and a packing gland screwed into the neck and rotatable on said stem outwardly of the packing, said furcations being of a width to close said passage when the valve plug is turned to one position, the space between said furcations being of a width to completely open said passage when the valve plug is turned to another position.

2,599,275
FOLDING ELECTRIC FOOD MIXER
Thomas F. Nelson, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 13, 1951, Serial No. 246,419
2 Claims. (Cl. 259—104)



1. In an electric food mixer, the combination of a base, a standard comprising a pair of spaced legs pivoted at their lower ends on the base at points spaced inward from the edge of the base, a head pivoted on the upper ends of said legs to swing in a plane at right angles to the base, a power unit swivelled on said head to turn on its longitudinal axis, cooperating means between the lower end of said legs and the base for holding the standard in a substantially vertical position, and cooperating means between said head and said legs for holding the power unit in a substantially horizontal position over the base, said head being adapted to be turned on its pivot to bring the power unit to a position substantially parallel to said legs, and said legs being adapted to be turned on their pivots with the base to fold the legs and power unit down onto the base, said legs being of a length less than the distance from their hinge point on the base to the far edge of the base.

2,599,276
WICK HYPSOMETER
Wayne R. Norman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 23, 1949, Serial No. 111,899
5 Claims. (Cl. 73—384)



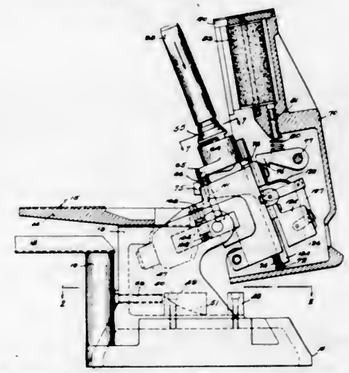
1. A pressure measuring apparatus comprising a liquid subjected to an ambient pressure, means to contain said liquid, means to effect boiling of said liquid thereby creating an atmosphere of vapors of said liquid in proximity therewith, said vapors having a temperature dependent on said pressure, a temperature-responsive element arranged to sense said temperature, the response of said element being indicative of said pressure, and means to convey a portion of said liquid to said element to provide wetting thereof by said liquid in said atmosphere, said means comprising a wick having portions contacting both said temperature responsive element and said liquid.

2,599,277
COVER FOR A HOOD COMPARTMENT OF DROPHEAD MOTORCAR BODIES
John Hewitt Orr, Coventry, England, assignor to Carbodies Limited, Coventry, England
Application October 24, 1949, Serial No. 123,240
In Great Britain October 25, 1948
3 Claims. (Cl. 296—37)



1. For the body of a drop-head motor-car of the kind having a well, for receiving the head when lowered, which extends across the back and part-way round the sides of the passenger compartment, and of which the forward side at the rear is defined by the back of the adjacent seat, the head being foldable and mainly of a pliable fabric having its rear bottom edge fast with the body in rear of the well; a cover for the well comprising a rigid flap, elements of disconnectable fastener devices secured to said flap adjacent its forward and rear transverse edges, two parallelly-spaced sets of coacting fastener elements arranged transversely of the body on said seat back, two similarly parallelly-spaced sets of coacting fastener elements arranged transversely of said body to be fast with the latter at the rear of said well and respectively on opposite sides of the pliable fabric where the latter is made fast with the body, the rearward coacting fastener elements of each said set being for coaction with the fastener elements of said flap for securing the latter in covering relationship to the well when the head is in stowed position with the pliable fabric covering the forward set of coacting fastener elements which are fast with the body in rear of the well, and the forward coacting fastener elements of each said set being for coaction with the fastener elements of said flap for holding the latter in position to act as a shelf for small articles when said head is in the erected position and the rearward set of coacting fastener elements which are fast with the body in the rear of the well are thus outside the erected head.

2,599,278
SUPPORTING MEANS FOR ROLLER IDENTIFICATION DEVICES
Walter P. Osgood, Malden, Mass., assignor, by mesne assignments, to Authorite Company, Providence, R. I., a corporation of Rhode Island
Application October 29, 1947, Serial No. 782,745
15 Claims. (Cl. 101—212)



1. A printing apparatus comprising a base, a flat and substantially horizontal platen on the base, a rectangular guide block disposed parallel with the platen, coaxial means supporting the block at its ends on the base for pivotal movement about a substantially horizontal axis extending longitudinally of the block, a head mounted non-rotatably on and slidable along the block and carrying a spindle for receiving and supporting a printing roller, means for effecting movement of the head along the block, and means including a pinion on the spindle and cooperating rack teeth on the block for rotating the spindle, the block and head being pivotally movable about said axis to and from two positions in one of which the spindle and roller are disposed horizontally in printing position over the platen and in the other of which the spindle and roller project upwardly remotely from the platen.

2,599,279
IDENTIFICATION AND RECORDING ROLLER
Walter P. Osgood, Malden, Mass., assignor, by mesne assignments, to Authorite Company, Providence, R. I., a corporation of Rhode Island
Application October 29, 1947, Serial No. 782,746
15 Claims. (Cl. 101—375)

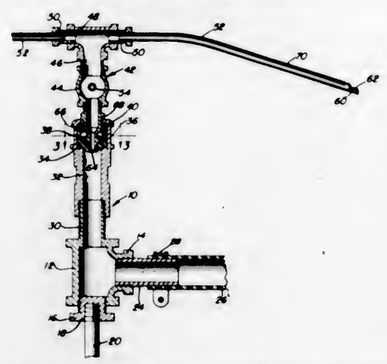
1. A printing roller comprising a cylindrical barrel with raised type on its outer cylindrical surface, a locking shoulder on the barrel, a tubular casing open at one end for receiving the barrel thereinto, and locking means including a plurality of resilient fingers carried by and extending longitudinally inward of the casing from its

other end, the fingers being disposed about the longitudinal axis of the casing and having outwardly extending shoulders adjacent to their free ends disposed between and remote from the two



ends of the casing for cooperating with said locking shoulder on the barrel for locking the barrel in the casing, radial inward movement of the fingers being adapted to release the finger shoulders from the barrel shoulder.

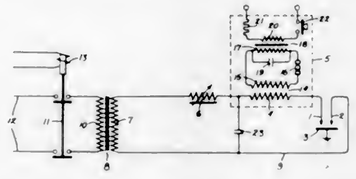
2,599,280
LAWN SPRINKLER
Asa W. Phillips, Melvindale, Mich.
Application February 16, 1950, Serial No. 144,477
2 Claims. (Cl. 285—97.3)



1. In a sprinkler including a tubular support including an upper end having an internal groove, a rubber sleeve yieldingly retained in said groove, a hollow spray-arm supporting member having an end portion extending into the sleeve, said end portion of said member having a peripheral groove, and a plurality of balls within the sleeve and seated in said groove to retain the end portion of said member in said sleeve.

2,599,281
ARC WELDING
Everett F. Potter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 23, 1949, Serial No. 134,711
3 Claims. (Cl. 219—8)

3. Arc welding apparatus comprising a pair of alternating current conductors having opposite polarities when energized from a source of alternating current, electrodes having at arcing temperatures the same but substantially different electron emissivities than the work to be welded so that the arc established between each of said electrodes and the work has a greater electric resistance to current flow with one electrode polarity than with the reverse electrode polarity, means for connecting one of said electrodes to one of said alternating current conductors and



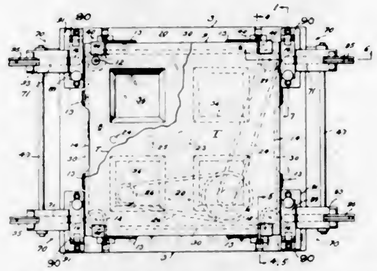
the other of said electrodes to the other of said alternating current conductors, the circuit between said electrodes being completed through work parts positioned opposite said electrodes, means for positioning said electrodes at substantially the same arcing distance from the work, and means for simultaneously establishing arcs between each of said electrodes and the work to produce zones of fusion in the work opposite each of said electrodes.

2,599,282
COUPLING FOR CONNECTING TRAILERS TO POWER VEHICLES
René Porte, Paris, France, assignor to Societe Pour L'Union Des Transports Ferroviaires Et Routiers, Paris, France, a French corporation
Application July 17, 1947, Serial No. 761,640
In France July 29, 1946
4 Claims. (Cl. 280—33.44)



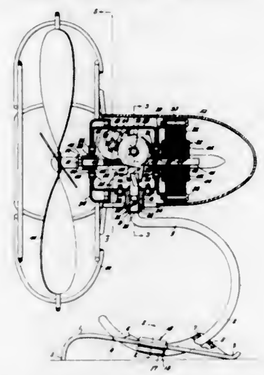
1. A coupling apparatus for connecting a trailer to a power vehicle comprising a tow bar articulately connected to the trailer by two connecting links, one of said links being articulated to the trailer and articulated to the tow bar at a point rearward of the center of gravity of the bar whereby the forward end of the tow bar will pivot downwardly about the said link under the influence of gravity, the other of said links being articulated to the trailer at a point above the point of articulation of the first-named link and to the tow bar at a point rearward of the point of articulation of the first-named link, whereby said second-named link will raise the rearward end of the tow bar when its forward end pivots downwardly about the first-named link to bring the tow bar into substantially vertical position against the trailer.

2,599,283
SCREW AND SCREW HOLD APPLYING MACHINE FOR ACOUSTICAL TILE AND THE LIKE
Manley R. Price, Lakewood, Ohio, assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application July 26, 1950, Serial No. 175,943
16 Claims. (Cl. 144—32)



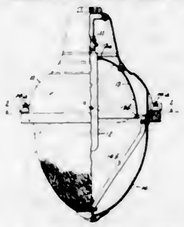
10. In a machine of the class described, means supporting and locating a tile made of relatively penetrable material by engagement with a main face and two relatively intersecting edges of the tile, and a feed slide mechanism associated with said means and positioned to drive relatively stiff tab elements into edge portions of the tile.

2,599,284
OSCILLATING FAN
George J. Reisch, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application December 18, 1948, Serial No. 65,992
4 Claims. (Cl. 230—256)



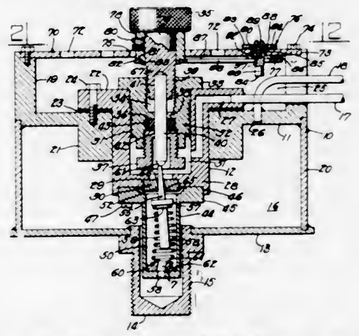
1. In an electric fan of the oscillating type, a casing, means for supporting said casing comprising a base, a unitary cylindrical supporting rod having a vertically arranged upper portion which provides a swivel stud on which said casing is pivotally mounted, said upper portion beyond the swivel stud having a non-circular upper end twisted to form a spiral which is positioned within said casing, and means for oscillating said casing comprising a motor operated drive shaft, a gear train driven by said drive shaft, an eccentric located above said spiralled upper end driven by said gear train, and a lever having at its upper end an eccentric strap which fits over said eccentric and at its lower end an angular portion provided with an opening in which said spiral fits, turning of said eccentric serving to reciprocate said arm on said spiral to effect oscillating movement of said casing.

2,599,285
OVATE ROADWAY REFLECTOR
Charles H. Rex, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application October 6, 1948, Serial No. 53,120
7 Claims. (Cl. 240—25)



1. A roadway luminaire comprising an open ovate reflector arranged for mounting at one side of a roadway with its major plane disposed perpendicularly across said roadway, the plane of the rim of said reflector being perpendicular to said major plane and including minor and major reflector axes having a length ratio of at least 4/5, the cross-sectional configuration of said reflector in the plane of said rim being a composite curve comprising a parabolic portion in each rear quadrant and a plurality of adjacent elliptical portions having their primary foci at the point of intersection of said major and minor axes and their secondary foci lying in an annular clearance area radially spaced from said point of intersection.

2,599,286
VALVE POSITION INDICATOR
Ralph A. Rockwell, Hingham, Mass., assignor to Mason-Neilan Regulator Company, Boston, Mass., a voluntary association of Massachusetts
Application June 7, 1946, Serial No. 675,051
1 Claim. (Cl. 116—125)



In a valve for varying fluid flow on an equal percentage basis in respect to valve lift of the class wherein a rotatable valve actuator in the form of a screw threaded into the valve structure is moved axially on a progressively varying basis, a cylindrical portion secured to said structure having an annular recess at one end thereof, a disc-shaped plate having its periphery mounted

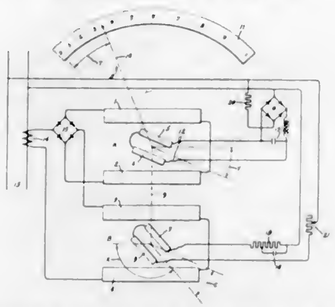
in said recess and secured to said cylindrical portion, said plate having a central opening and a slot in the form of an Archimedean spiral surrounding said opening, a screw operating member having an inverted cup-shaped portion into which the outer end of said screw is received and is secured thereto, the inner end of said cup-shaped portion extending through the central opening in said plate and having an annular recess, an arm having an annular flange mounted in said recess and secured to the cup-shaped portion, said arm being disposed in parallel with said plate and having a slot extending along the longitudinal axis thereof, and an index comprising an indicator and a pin, said pin having a flange engaging the inner face of said plate, a portion extending through said spiral slot and a portion extending through the slot in said arm, the portion which extends through the slot in the arm being adapted to engage the slot in said arm throughout the axial movement of said screw, and said indicator being detachably secured to the end of the portion which extends through said spiral slot and including an indicator member and a guide member, said indicator member having portions extending over said plate at opposite sides of said spiral slot and said guide member having fingers at each end thereof making a sliding fit in said spiral slot, a rotation of said screw varying the linear position of said index in said spiral slot on a basis which is in inverse proportional relation to the axial movement of said screw.

2,599,287

WIDE FREQUENCY RANGE POWER-FACTOR METER

Ralph M. Rowell, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application May 23, 1950, Serial No. 163,705
5 Claims. (Cl. 172—245)



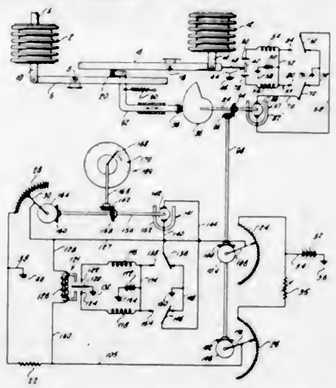
5. Power-factor responsive apparatus comprising a pair of dynamometer instrument units each having stationary and rotatable cooperating winding elements, connections for energizing one winding element of each unit in proportion to the current flowing in a circuit the power factor of which is to be measured, connections for energizing the other winding element of each unit in proportion to the voltage of such circuit, rectifier means included in the energizing circuits to each of the winding elements of one unit only so that such unit will have a torque proportional to the volt-amperes of such circuit while the other unit will have a torque proportional to the watts of such circuit, a scale calibrated in terms of power factor, and indicating means operated jointly by said instruments to give power factor measurement indications on said scale.

2,599,288

TRUE AIR-SPEED METER

Carl F. Schaefer, Port Washington, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut

Application January 17, 1947, Serial No. 722,652
10 Claims. (Cl. 73—182)



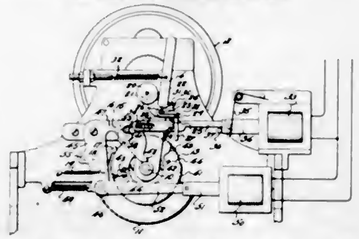
1. A true air speed meter including in combination a Wheatstone bridge having a first impedance positioned in one arm of the bridge, differential pressure responsive means for varying the impedance as a function of the air speed of an airplane, means for varying the impedance as a function of the barometric pressure existing at the altitude at which the airplane is flying, a second impedance positioned in another arm of the bridge, means responsive to the unbalance of the bridge produced by said variations for altering the second impedance to bring the bridge back to balance and means responsive to a movement of said altering means for indicating the value of said second impedance as a measure of true air speed.

2,599,289

AUTOMATIC CORRECTING MECHANISM FOR TIME DEVICES

Charles Schiffl, Montclair, N. J.

Application February 9, 1950, Serial No. 143,218
12 Claims. (Cl. 58—35)



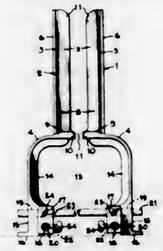
1. In a time device having time indicating means, a ratchet wheel for actuating the indicating means, an oscillatable setting lever provided with a drive pawl for driving the ratchet wheel, and power driven means for oscillating the setting lever, in combination with the foregoing elements, electro-magnetic means adapted to be energized by an impulse transmitted thereto from a remote point, a cam disc rotatable with the ratchet wheel, and a pivoted synchronizing lever operable by said electro-magnetic means for cooperation with the cam disc to rotatively shift the same whereby to adjustingly advance or retract the ratchet wheel, said synchronizing lever having means to disengage the drive pawl from the ratchet wheel and thus free the latter for adjusting movement.

2,599,290

STACKING DEVICE

George A. Schwenzer, Cincinnati, Ohio, assignor of one-third to Harry D. Culver, Bellevue, Ky., and one-third to John C. McCarthy, Cincinnati, Ohio

Application October 23, 1948, Serial No. 56,108
1 Claim. (Cl. 100—31)



A stacking and bundle tying device, comprising a plurality of spaced upright standards having upper and lower extremities offset in relation each to the other to provide greater space between said lower extremities of said standards than the space between the upper extremities, segmented shelf means intermediate said upper and lower extremities secured to and adjacent said standards between their extremities, a plurality of rods disposed at right angles each to the other slidably mounted in and adjacent said lower extremities of said standards to provide hand hole space between said rods and said shelf means and means for securing said standards and rods to each other to position the shelf means in spaced relation each to the other to provide open channels between said shelf means to permit overwrapping laterally and longitudinally of a bundle supported on said shelf without interference by any of the elements comprising the stacking and bundling device.

2,599,291

CARBAMYLBENZENE STIBONIC ACIDS

Norbert Steiger, Nutley, N. J., assignor to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J., a corporation of New Jersey

No Drawing. Application June 3, 1950, Serial No. 166,057
6 Claims. (Cl. 260—447)

1. A compound selected from the group consisting of para lower hydroxyalkylcarbamylbenzene stibonic acids and meta and para lower hydroxyalkylaminoalkylcarbamylbenzene stibonic acids in which the alkyl group contains at least two carbon atoms, the monhydrates thereof, and the salts thereof.

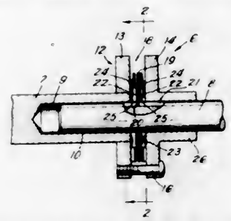
2,599,292

OVERLOAD RELEASE COUPLING

Emil C. Steinbach, Chicago, and Paul M. Ewald, Skokie, Ill., assignors to Charles P. Peirce, Evanston, Ill.

Application December 31, 1947, Serial No. 794,890
3 Claims. (Cl. 64—30)

1. A clutch for use between coaxially extending drive and driven shafts adapted automatically to disengage at predetermined overloads, comprising first and second spring disc members mounted coaxially about said driven shaft for rotation therewith, spring fingers formed on each of said disc members, projecting axially outward therefrom; a first clutch plate member mounted rigidly on said drive shaft and having one face thereof in frictional contact with said spring fingers of one of said disc members, a second clutch plate member mounted about said driven shaft in axial spaced parallel relation with



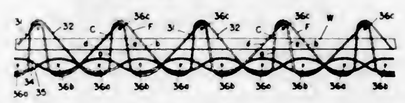
respect to said first plate member and having one face thereof in frictional contact with said spring fingers of said second disc member, and adjustable stop means rigidly securing said clutch plate members in fixedly spaced driving relation, said stop means also serving to regulate and define the axial spacing of said two clutch plates and the axial compressive loading of said spring fingers positioned therebetween whereby the torsional load capable of being transmitted by said friction clutch coupling so formed may be regulated at desired values.

2,599,293

PILE FABRIC AND METHOD OF MAKING SAME

Bernard K. Symonds, Providence, R. I., assignor to Providence Pile Fabric Corp., Pawtucket, R. I., a corporation of Rhode Island

Application January 23, 1951, Serial No. 207,269
7 Claims. (Cl. 139—37)



1. A method of making a loop pile woven fabric which comprises interweaving warp threads and weft threads to form a backing cloth, positioning a loop-supporting weft above said backing and throwing at least two pile warp threads over said loop-supporting weft, each of said pile warp threads looping respectively over successively spaced weft threads in the backing cloth.

2,599,294

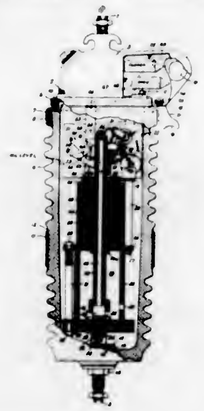
CIRCUIT RESTORER

Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York

Application April 6, 1948, Serial No. 19,249
4 Claims. (Cl. 200—89)

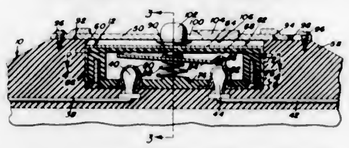
1. In an electric circuit reclosing device, relatively movable contacts biased into engagement, electromagnetic means for initiating an opening operation of said device in response to predetermined fault conditions, means responsive to operation of said electromagnetic means for opening said contacts, a rotatable timing member, a rack movable in accordance with the operation of said electromagnetic means and in accordance

with closing movement of said contacts, a closing gear operatively connected with said timing member and rotatable in response to closing movement of said rack to determine the time required automatically to reclose said contacts after an interrupting operation, an opening gear operatively connected with said timing member,



and means movable in response to closing movement of said contacts to cause said opening gear to engage with said rack during an opening movement of said rack for rotating said member to control the time required to open said contacts during preselected opening operations of said contacts.

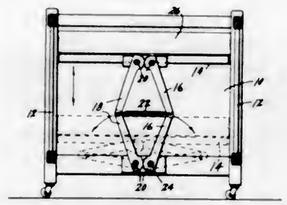
2,599,295
PORTABLE LIGHT SWITCH
John W. Thomas, Newport News, Va.
Application October 23, 1950, Serial No. 191,701
4 Claims. (Cl. 200—60)



1. A switch housing having a flexible top wall and a perimetric side wall, a bottom wall detachably secured to said housing, a pair of contacts carried by the bottom wall, means carried by said bottom wall for detachably clamping said bottom wall to a supporting structure, a switch arm movably disposed in said housing and engaging said top wall, and externally manipulatable means for flexing said top wall and moving said switch arm into a position to electrically bridge said contacts.

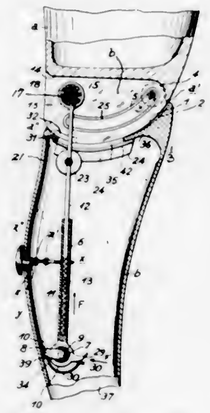
2,599,296
UTILITY HEIGHT ADJUSTABLE CRIB
John A. Toomey and Carl F. Carlstrom, Worcester, Mass.
Application May 26, 1948, Serial No. 29,296
4 Claims. (Cl. 5—11)

1. A crib comprising rigid side and end walls and an adjustable mattress spring, and means to adjust the spring comprising an extensible linkage at each end of the crib, each linkage being connected to an end wall and to the spring, means constraining the linkages to move only together, and springs tending to extend the linkages to raise the mattress spring against the weight thereof and the occupant of the crib,



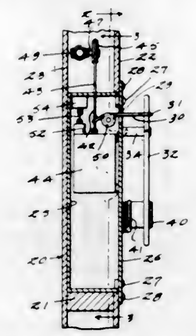
handles on the mattress spring for manual movement of the latter up or down, and catches on the crib to latch the spring in adjusted position.

2,599,297
ARTIFICIAL LIMB
Isaac Touson, Buenos Aires, Argentina
Application October 28, 1949, Serial No. 124,201
In Argentina August 31, 1949
6 Claims. (Cl. 3—2)



1. An artificial limb, comprising, a thigh unit including a knee-portion having curved slots in its opposite side walls and a vertical slot in its rear wall, a foreleg unit including a knee-portion receiving socket, mating arcuate wall portions at the knee-portion and socket portions of said units, a transverse pin carried by the foreleg section and guided in said slots, a knee-bolt transversely mounted in the rear of the knee-portion of the thigh unit, and automatic means for urging the thigh and foreleg units into vertical alignment, said means comprising solid and hollow members telescopically connected at their inner ends, means for connecting the outer end of said solid member to the knee-bolt, and pivot and bracket means for connecting the outer end of the hollow member to the inner wall of the foreleg unit, parallel track members on the wall of the socket portion of the foreleg member, guide rollers on the said solid member for engaging said track members, and means for exerting a yielding lateral force on said telescopically related solid and hollow members.

2,599,298
FIRE ALARM AND SPRAY SYSTEM
Alpheri A. Trudeau, Taftville, Conn.
Application April 14, 1950, Serial No. 155,998
2 Claims. (Cl. 169—19)



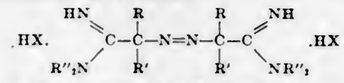
1. In a device of the character described, a weight box, a water supply valve actuating wheel, a flexible connection extending about said wheel and suspending the weight in said box, a pivoted link secured to said flexible connection and extending outwardly of said weight box, a lever connected to said link, and a heat soluble member retaining said lever in position whereby upon dissolution thereof said weight will fall to rotate said valve actuating wheel.

2,599,299
ALIPHATIC AZO COMPOUNDS HAVING GUANYL RADICALS ON TERTIARY CARBON ATTACHED TO AZO NITROGEN
Robert W. Upson, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 23, 1950, Serial No. 170,027
3 Claims. (Cl. 260—192)

1. 2,2'-diguanyl-2,2'-azopropane dihydrochloride.

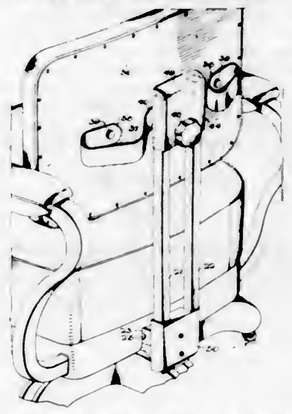
2,599,300
POLYMERIZATION EMPLOYING AMIDINES HAVING AZO GROUPS
Robert W. Upson, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 23, 1950, Serial No. 170,028
7 Claims. (Cl. 260—94.9)

2. In the addition polymerization of ethylenically unsaturated monomers subject to addition polymerization, the improvement wherein the monomer is brought in aqueous dispersion into contact with, as an initiator of the polymerization, an inorganic acid salt of an aliphatic azo compound of the formula



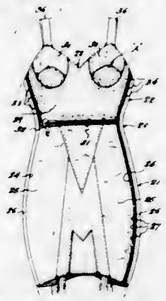
wherein R and R' are alkyl radicals of one to four carbons, R'' is selected from the class consisting of hydrogen and organic radicals of one to six carbons and HX is an inorganic acid.

2,599,301
POSTURE CHAIR
Tracy Henry Van Buren, Sturgis, Mich., assignor to Sturgis Posture Chair Company, Sturgis, Mich., a corporation of Michigan
Application May 7, 1951, Serial No. 224,978
5 Claims. (Cl. 155—158)



1. In a posture chair having a floating back rest and a pair of spaced vertical posts for supporting said rest, a bowed resilient loop attached to the back of the said rest and having a portion thereof offset from the said rest, a bracket secured to said offset portion, said bracket being adapted to be disposed across one side of said posts, a clamp member adapted to be disposed across the opposite side of said posts, said clamp member having a hood to extend over the top of said posts, said member also having sides to engage a portion of the lateral surfaces of said posts, the shape of said sides and lateral surfaces being complementary, and means for removably securing said bracket and clamp member to said post.

2,599,302
COMBINATION CORSET AND BRASSIERE WITH INTERCHANGEABLE BUST SECTION
William A. R. von Thaden, Newark, N. J.
Application November 24, 1950, Serial No. 197,410
2 Claims. (Cl. 2—30)



1. A foundation garment comprising a one-piece body composed of a corset element and a brassière element wherein the brassière element is provided with an upwardly open front portion to form a substantially rectangular gap extending upwardly approximately from the waist-

line of the corset element to the top edge of said brassière element, a bust supporting section of selected bust pocket size marginally dimensioned and shaped to mate with the margins of said gap, one side margin and the bottom margin of said gap and the corresponding mating margins of said bust supporting section having quick-detachable cooperable fastening means whereby to removably attach said section to the garment body within and across said gap, the garment body being divided from end to end along a substantially vertical line extending downwardly in alignment with the other side of the gap in the brassière element, and independent quick-detachable fastening means for closing said division of the garment.

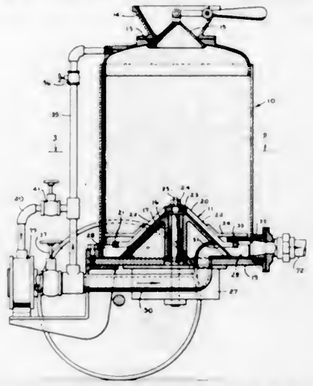
2,599,303
CLIP
James L. Ward, Howell, Mich., assignor to May and Scofield, Howell, Mich., a firm
Application May 25, 1949, Serial No. 95,313
1 Claim. (Cl. 24—81)



A lamp socket holder comprising, in a single piece of spring metal, a first vertically-positioned member, said member being bent intermediate its ends to an obtuse angle to form an outwardly but downwardly directed second member, said second member being bent to an obtuse angle in the opposite direction from the aforesaid bending to form an outwardly and downwardly projecting third member, horizontal arms at the upper end of said first member to receive a lamp socket, and a tongue integral at its base with the outer end of said third member, said tongue being substantially L-shaped and having the vertical leg thereof normally disposed to lie in the plane of said first member and the other leg thereof disposed to lie outside the planes of all of said first, second, and third members, said tongue flexing at its base and adapted to clampingly coact with said first member.

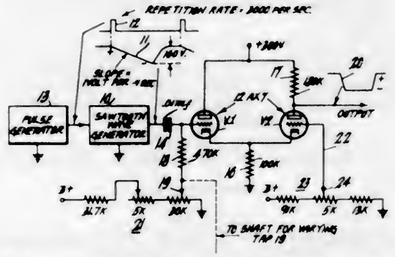
2,599,304
FLUID PRESSURE DISCHARGE APPARATUS
Carl Weber, New York, N. Y., assignor to The Prehy Company, Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1946, Serial No. 692,912
2 Claims. (Cl. 302—56)

1. In apparatus for discharging comminuted material from a pressure supply tank by fluid pressure, a discharge device in the bottom of the tank which comprises a stationary conical-shaped base spaced from the side wall of the tank so as to provide an annular trough surrounding the base, a discharge conduit from the annular trough in the wall of the tank, an outlet in the conical-shaped base in horizontal alignment with the discharge conduit, a fluid pressure pipe line to the outlet in the base, a light-weight replaceable rotor mounted for rotation upon the base and consisting of arms movable over the conical-shaped face thereof, a ring secured to said arms



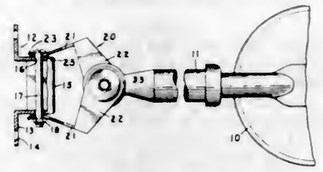
and a plurality of radially arranged fins depending from said ring and movable in the trough with the movement of the rotor for moving the material in the tank about the base for discharge.

2,599,305
ELECTRIC PULSE DELAY CIRCUIT
David H. Westwood, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 24, 1950, Serial No. 151,677
5 Claims. (Cl. 250—27)



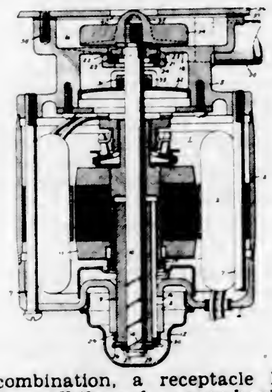
1. In combination, means for producing a sawtooth wave having a gradual sloping portion that goes increasingly negative, a pair of vacuum tubes each having a cathode, a grid and an anode, an anode voltage supply, the first of said tubes being normally conducting, means for applying said wave to the grid of the first of said tubes with sufficient amplitude to drive said first tube to anode current cut-off, a cathode resistor common to said cathodes and through which said cathodes are connected to the low voltage end of said anode voltage supply, an anode resistor for the second of said tubes through which the high voltage end of said supply is connected to the anode of said one tube, said high voltage end also being connected to the anode of the other tube, means for taking a rectangular output wave off the anode end of said anode resistor, means for applying a bias voltage to the grid of one of said tubes, means for varying said bias whereby the starting time of said output wave is varied, whereby there is obtained a rectangular wave having a front edge that has a timing determined by the value of said bias.

2,599,306
MIRROR MOUNTING STRUCTURE
Thomas C. Whitehead, Detroit, Mich., assignor to Whitehead Stamping Company, Detroit, Mich., a corporation of Michigan
Application November 1, 1948, Serial No. 57,655
5 Claims. (Cl. 248—276)



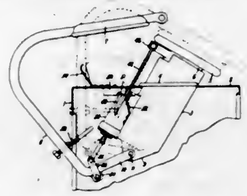
1. Pivot mounting structure comprising an arm having a head at one end thereof provided with an opening therethrough, a pair of identical members having at one end friction portions engageable with opposite sides of said head, said friction portions having apertures therein in registration with the opening through said head, an assembly bolt extending through said opening and apertures and establishing a pivot connection between said members relative to said head, and between said members relative to each other, the opposite ends of said members comprising offset opposed mounting portions movable toward and away from each other upon relative swinging movement of said members about the axis of said assembly bolt, said mounting portions having opposed openings therein for the reception of a supporting bolt with its axis perpendicular to the axis of said assembly bolt.

2,599,307
MOTOR AND PUMP ASSEMBLY
Thomas T. Woodson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Original application November 23, 1945, Serial No. 630,438, now Patent No. 2,526,443, dated October 17, 1950. Divided and this application July 18, 1950, Serial No. 174,425
3 Claims. (Cl. 222—383)



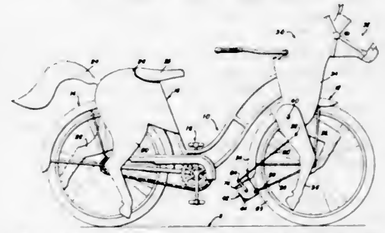
1. In combination, a receptacle having an opening in a wall thereof, a pump having a housing with one end open, means for attaching the pump housing to said receptacle wall with its open end in line with said receptacle opening, whereby such wall serves as a cover for the open end of the pump housing and said receptacle opening serves as a liquid inlet port for said pump.

2,599,308
DRIVE UNIT FOR DOMESTIC IRONING MACHINES OR THE LIKE
Joseph C. Worst and Carl S. Dayton, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application December 2, 1949, Serial No. 130,656
10 Claims. (Cl. 38—25)



1. An ironing machine comprising a pair of mutually cooperating press elements individually adapted to be brought from a home position to an operating position, means for simultaneously biasing said elements into movement toward their respective operating positions, means for releasably holding one of said elements against movement, and means operated by said other element upon movement thereof to release said holding means.

2,599,309
ANIMAL FORM ATTACHMENT FOR BICYCLES
Harry L. Wunderly, Cuyahoga Falls, Ohio
Application April 16, 1951, Serial No. 221,290
11 Claims. (Cl. 280—1.202)



1. An animal form attachment for bicycles comprising simulated front and rear animal portions mounted on the front and rear portions of a bicycle, said front animal portion having leg elements pivotally secured thereto, and drive means connected to said leg elements for effecting pivoting movement thereof in response to rotation of the front wheel of the bicycle, said means including a first roller rotatably supported by the bicycle, and engageable with the front wheel, a second roller frictionally engaging said first roller for rotation thereby and supported by the bicycle, and linkage means interconnecting said second roller to said leg elements for effecting the pivoting movement.

2,599,310
PIPE WITH SMOKE BAFFLE
Alexander V. Abercrombie, Taunton, Mass.
Application November 23, 1945, Serial No. 630,190
1 Claim. (Cl. 131—229)

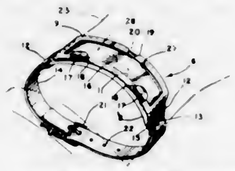
In a pipe, a mouthpiece having a smoke passageway, said mouthpiece having spaced recesses at the sides of the passageway, and a baffle having a central body portion conforming to the shape of the mouthpiece end and located in

spaced adjacency to the mouthpiece end, said baffle having spaced rods at the sides thereof



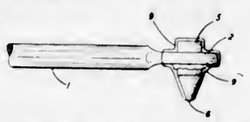
seated in said mouthpiece recesses, and said body portion having a smoke passage in alignment with the mouthpiece smoke passage.

2,599,311
IDENTIFICATION AND ITINERARY RECORD HOLDER FOR WRIST WEAR
Belle Anderson, Chicago, Ill.
Application January 3, 1950, Serial No. 136,607
6 Claims. (Cl. 40—18)



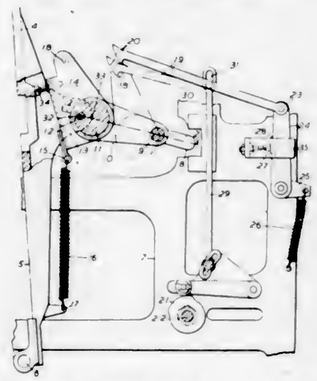
1. In an identification and itinerary record holder for wrist wear, a record holding case arcuately-shaped longitudinally to fit a wrist and provided with strap attaching end portions, the said record holding case including an open panel portion at the top thereof defining a stopping edge and ear stop clearance cutouts on an opposing edge, and a window panel slidably fitted in the said record holding case, ear stop means of U-shaped cross-sectional configuration on the lower edge of the said window panel fitted in registry with the said clearance cutouts and provided with curved tips raised upwardly to freely engage the said stopping edge when drawn to open position also having abutment portions to be arrested by the said stopping edge of the said open panel portion to prevent accidental removal of the said window panel.

2,599,312
PHONOGRAPH STYLUS
Lloyd J. Andres, Chicago, Ill., assignor to Permo, Incorporated, Chicago, Ill., a corporation
Application May 20, 1950, Serial No. 163,305
4 Claims. (Cl. 274—38)



1. A phonograph stylus comprising a resilient metal needle member adapted at one end to be secured to a transducer and having a flat portion at its opposite end, said flat portion having a hole therethrough substantially symmetrical about an axis located in the longitudinal center of and normal to said flat portion, a flange integral with and projecting from the lower side of said flat portion positioned in coaxial relation with said hole, the lower portion of the wall of said hole symmetrically spaced parallel to said axis and substantially coaxial with said flange, the upper portion of the wall of said hole symmetrically divergent away from said axis, a cylindrical playing point secured in said hole substantially coaxial with said axis with its outer surface in intimate contact with the said lower portion of the wall by the stresses exerted by said flange, a coating means in adhesive contact and effectively covering said flat portion and said playing point.

2,599,313
BEATING UP MECHANISM FOR LOOMS, ESPECIALLY FOR MANUFACTURING TERRY TOWELING
Gustav Berg, Glasgow, Scotland
Application April 1, 1950, Serial No. 153,359
In Great Britain April 7, 1949
5 Claims. (Cl. 139—26)

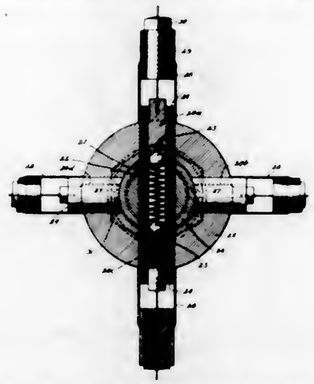


1. In a terry fabric loom comprising a reed structure, beat-up mechanism for operating the reed structure, a rotatable eccentric connecting said mechanism to the reed structure, a lever arm extending from the eccentric and a pivotal member for engaging said arm in order to rotate the eccentric between positions for transmission to the reed structure of a full beat-up and a partial beat-up, alternatively, the combination of means co-operating with said lever arm to hold the eccentric in one of its dead centre positions for transmission of a full beat-up, inter-engageable parts on said pivotal member and said lever arm arranged to rotate the eccentric into a position intermediate said dead centre positions to transmit a partial beat-up, and adjustable means in a location clear of the working parts of the beat-up mechanism for adjusting said pivotal member at will in order to regulate the length of the pile loops by regulating the offset angular position of the eccentric for a partial beat-up.

2,599,314
LOW CAPACITY SWITCH
Lloyd J. Bobb, Glenside, Pa., assignor to The International Electronics Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 2, 1947, Serial No. 758,684
8 Claims. (Cl. 200—6)

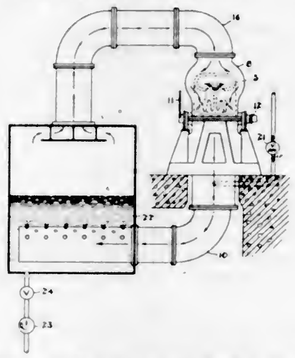
3. An electrical switch comprising an external shielding sleeve penetrated by at least three apertures lying in the same radial plane, an insulating bushing extending to the inner surface of the sleeve in each aperture, a fixed contact extending to the inner end of each bushing, an internal cylindrical sleeve concentric with the external sleeve and mounted for rotation therein, an insulating bushing mounted in a transverse

bore through said internal shield in the radial plane of said apertures, a spring within said last-mentioned bushing, a contact member at each end of said spring within said bushing, said contact members being outwardly urged against the inner surface of said sleeve by said spring, and



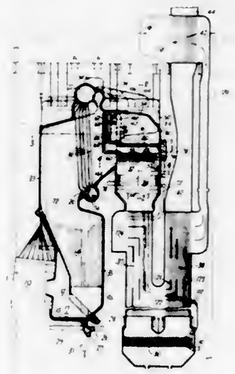
a shaft for rotating said internal shield to bring said contact members into engagement with two of said fixed contacts and thereby establish a circuit through said spring between said two fixed contacts, which circuit is shielded from the fixed contact not engaged by said contact members.

2,599,315
DYNAMOMETER
Winnett Boyd, Leaside, Ontario, and Kenneth Franklin Tupper, East York Township, Ontario, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a body corporate of Canada
Application June 4, 1946, Serial No. 674,191
6 Claims. (Cl. 73—134)



1. Apparatus for measuring the power of a source of energy comprising, a compressor for aeriform fluid operable by said source of energy and having an intake port and a discharge port, said compressor and said source of energy being arranged so that the power transferred to said compressor from said source of energy may be measured, means for dissipating heat developed during compression of said fluid, a main conduit for said fluid arranged to feed back at least a substantial part of said fluid from the discharge port of the compressor to its intake port, and means for maintaining the pressure in the main conduit substantially constant including a source of aeriform fluid pressure differing from that in the main conduit, and means providing an adjustable fluid flow passage between the main conduit and said source of aeriform fluid pressure.

2,599,316
STEAM GENERATOR
Raymond J. Boyer, Westfield, N. J., assignor to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey
Application August 8, 1947, Serial No. 767,581
8 Claims. (Cl. 122—478)



1. In a water tube steam generating installation, a furnace, upright steam generating tubes some of which are wall tubes of the furnace, means for connecting said steam generating tubes into the circulation system of the installation, means providing for the lateral flow of gases from the furnace across some of the steam generating tubes and then to an upright gas pass beyond the steam generating tubes, a superheater including a header at the side of said gas pass opposite the furnace, the superheater including tubes having series connected parts forming a bank of vertically spaced tubes extending generally horizontally across the flow of gases in said gas pass and upright parts forming a bank of horizontally spaced tubes disposed between the gas pass and said furnace and series connected with the first parts, and means connecting the superheater to the fluid system to provide for the flow of steam to the superheater, said upright parts being directly connected only at their upper ends and connected for series flow to the horizontally extending superheater tube parts at the lower ends of the upright parts to render the superheater drainable by gravity.

2,599,317
SHOE INSOLE
David R. Brady, Detroit, Mich., assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application August 2, 1946, Serial No. 688,084
2 Claims. (Cl. 36—44)

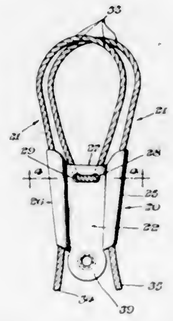
1. A shoe comprising an upper, an insole made up of a plurality of layers of fibrous glass interwoven fabric impregnated with a thermosetting resin extending as a continuous body throughout

the insole, and a layer of intermatted fibrous glass overlying the upper face of the insole and



having a covering thereover, said intermatted fibrous glass having a resiliency providing a cushion for the foot of the wearer.

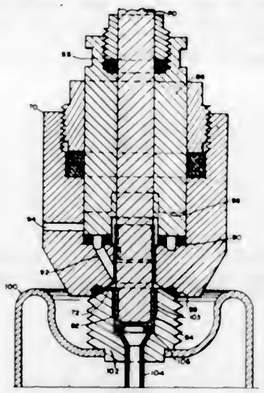
2,599,318
SHACKLE SEAL
Winfred M. Brooks, West Orange, N. J., assignor to E. J. Brooks Company, Newark, N. J., a corporation of New Jersey
Application October 5, 1948, Serial No. 52,833
4 Claims. (Cl. 292—310)



1. In a shackle seal: the combination of a deformable sealing element, whose transverse dimension is, with respect to its longitudinal dimension, relatively smaller, said sealing element having two longitudinal interior channels open at both ends and having near one of its longitudinal ends and intermediate said channels one or two transverse passages; and a shackle of flexible material lying freely threaded through said transverse passage or passages and lying in double loop formation adjacent thereto, one end of said shackle lying threaded through one of said interior channels and the other end of said shackle lying threaded through the other of said interior channels in the same direction longitudinally as said first-mentioned shackle end.

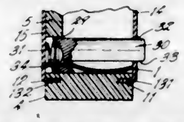
2,599,319
FILLING AND CAPPING EQUIPMENT
Lyle M. Cooper, Rahway, N. J., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
Application December 29, 1945, Serial No. 638,418
2 Claims. (Cl. 226—73)

1. In an apparatus for filling and sealing containers, a combination filling and sealing element comprising an annular nozzle having a restricted discharge outlet, sealing means carried by the nozzle to engage the container in fluid-tight relation about a filler opening therein, a conduit passage-way in the nozzle opening into said outlet, a bushing valve reciprocally movable within the nozzle to close and open said passage-way, and a sealing rod element concentric with said nozzle and bushing, reciprocally movable through the valve and nozzle outlet, to insert a



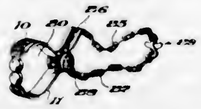
sealing element into the container opening in friction fitted fluid-tight relation therein.

2,599,320
MEASURING TAPE AND CASE THEREFOR
William F. Dart, Mason, Mich.
Application July 29, 1950, Serial No. 176,669
7 Claims. (Cl. 242—84.9)



5. In combination with a flexible measuring tape having a retaining case, said tape being adapted to be extended through a slot in said case, brake means for said tape comprising a brake pin slidably and transversely mounted in the walls of said case adjacent to said slot and projecting through the front wall of the case, said brake pin being cut away axially and outwardly notched toward its inner end to receive the edges of said tape between the front wall of the case and the notched portion of the pin, and a spring positioned between the inner end of said pin and the rear wall of said case to urge said pin into braking engagement with said tape.

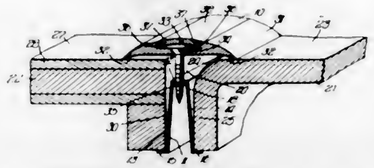
2,599,321
END CAP FOR GLOVE HOLDING DEVICES
James A. Doran, Providence, R. I.
Application February 21, 1950, Serial No. 145,448
2 Claims. (Cl. 24—253)



1. In a glove holder, a pair of body members hinged together and having free jaw ends normally contacting each other and shaped to conjointly form a glove receiving hollow between the free jaw ends and the point where the members are hinged together, each of said free jaw ends being formed into a rounded head with a narrow neck and a circular cap embracing said head with the free marginal edge wall portion thereof rolled

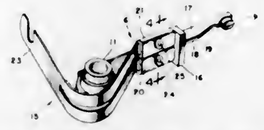
tightly into engagement with the head, said free jaw ends having the caps thereon extending in the plane of the said members and contacting each other edgewise when in glove holding position.

2,599,322
TRIM CONNECTING ASSEMBLY
Herbert D. Drain, Chicago, Ill., assignor to Walter E. Selck and Co., Chicago, Ill., a corporation of Illinois
Application July 1, 1949, Serial No. 102,596
6 Claims. (Cl. 311—4)



1. A trim connector assembly for bridging the space between adjoining sink and cabinet units, comprising a bottom strip member of inverted generally U-shaped cross section having laterally projecting flanges arranged for positioning beneath the bottom edge of the flange on the top of the sink unit and the overhanging marginal edge of the top of the adjoining cabinet unit with the body of said bottom member extending upwardly in the space between the units when the assembly is installed therebetween, a top strip member having side flanges for bridging the top surfaces of the sink and cabinet units, said top strip having a relatively wide groove in the top surface thereof and being provided with spaced screw-receiving apertures in said groove, screws for connecting said top and bottom strip members in clamping relation to said sink flange and cabinet top and a covering strip to be secured in interlocking relation in said groove.

2,599,323
CONTACT ARM FOR DISTRIBUTOR BREAKER PLATES
John Filko, Chicago, Ill., assignor to F. & B. Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 18, 1951, Serial No. 221,676
4 Claims. (Cl. 200—30)



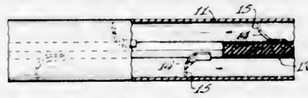
1. A contact arm for use on the distributor breaker plate of an automotive ignition system comprising a head member adapted to pivot about one end thereof and having a pair of ears intermediate the ends thereof extending outwardly in opposite directions, a spring arm terminating at one end thereof adjacent said ears in a substantially flat portion spaced from the ears, a rubbing block positioned in the space between the end of said spring arm and said ears, and means for rigidly securing said rubbing block in place including rivets passing through said ears, block and spring arm, and the ends of said ears being bent clampingly around the sides of said block and said flat portion of the spring arm.

2,599,324
BEAM CUTTING METHOD
James Bently Forker, Shaker Heights, Ohio, assignor to The Forker Corporation, Cleveland, Ohio
Application April 15, 1949, Serial No. 87,700
4 Claims. (Cl. 148—9)



1. The method of making a rail from a double-flanged structural beam having a web extending transversely between the flanges comprising the steps of positioning the beam on one of its two flanges with the web extending substantially vertically; developing a preliminary deflection in the beam, the deflection being such that the beam is bowed upwardly in the middle and downwardly at its ends; augmenting the deflection so developed by clamping the beam in position, the clamping pressure being applied to the flange on which the beam is resting; flame-cutting the unclamped flange along a path paralleling the web of the beam; cooling to harden the flame-cut portion of the unclamped flange; and, after cooling, releasing the clamping pressure and removing the beam.

2,599,325
CONDUIT CONSTRUCTION
Lawrence H. Fritzberg, Minneapolis, Minn.
Application November 22, 1946, Serial No. 711,775
4 Claims. (Cl. 138—28)



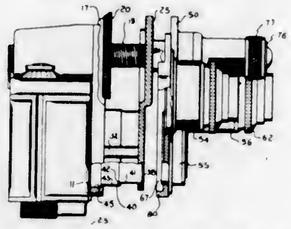
4. A device for use in a liquid conduit which comprises a unit adapted to be placed in the conduit and having a portion thereof composed of an elongated mass of compressible material, a resilient relatively rigid framing for the compressible mass comprising a flattened, hollow tubular element enclosing the mass and having outwardly directed vanes to agitate fluid flowing in the conduit, the compressible mass filling only a portion of the space within the element, and support members to support the framing in place within the conduit.

2,599,326
DECOMPOSITION OF COMPLEX METAL PHOSPHATE SALTS
Dieter M. Gruen and Joseph J. Katz, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application June 19, 1951, Serial No. 232,466
9 Claims. (Cl. 23—140)

1. The method of recovering titanium subgroup metal values from a phosphorus oxychloride complex of said metal, which comprises reacting said complex with a monohydric alcohol containing

less than five carbon atoms, dissolving said reaction mass in water, introducing a source of hydroxyl ions into said solution whereby said titanium subgroup metal is precipitated as the hydroxide, and recovering said precipitate.

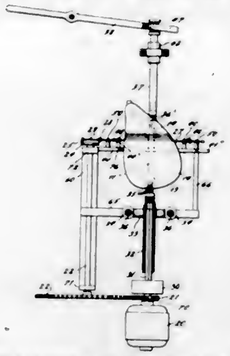
2,599,327
CAMERA WITH LENS TURRET
John A. Haeseler, Woodbridge, Conn.
Application December 21, 1946, Serial No. 717,683
8 Claims. (Cl. 95—45)



3. A camera comprising a casing, a fixed frame rigidly connected with the casing and including a supporting structure extending forwardly from the casing, the casing having a lens opening for admitting light into the casing to expose a film, a movable assembly that fits bearings on the supporting structure and that is movable lengthwise along the supporting structure, a focusing frame comprising a part of the movable assembly and having means that prevent it from turning on the supporting structure along which said frame is movable to focus the camera, a focusing element carried by the supporting structure as a bearing, a stop in position to prevent endwise displacement of the focusing element on the supporting structure beyond a predetermined limit, the focusing element including means to move it on the supporting structure to move the focusing frame forwardly and rearwardly on said supporting structure in response to the movement of the focusing element, the focusing frame having a longitudinally extending bearing portion on the focusing element for moving the focusing frame lengthwise along the focusing element as the latter is moved on the supporting structure, a turret comprising a part of the movable assembly and having mounts for a plurality of lenses, a bearing in said movable assembly on which the turret is movable with respect to the focusing frame and on which the turret can be turned to bring different lens mounts into line with the lens opening in the camera casing, and means normally urging the turret into position adjacent to the focusing frame, said focusing frame having an opening through it in alignment with the lens opening of the camera and in front of which each of the turret lens mounts can be selectively located.

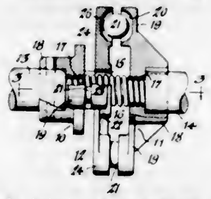
2,599,328
SLICED MEAT JOINT SUCH AS HAM AND METHOD OF SLICING SAME
Harry J. Hoenselaar, Detroit, Mich.
Original application September 7, 1944, Serial No. 552,966. Divided and this application April 9, 1949, Serial No. 86,494
8 Claims. (Cl. 99—107)

1. The method of slicing a joint of meat having a bone extending longitudinally therein which comprises mounting the joint on both ends of said bone for rotation substantially about the axis of said bone, rotating the joint, slicing the joint spirally as it is rotating, and



advancing the joint axially simultaneously with said rotating and slicing of the same.

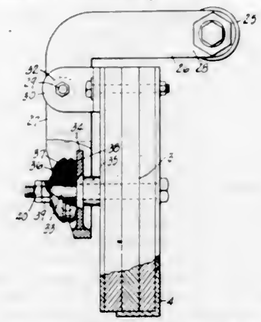
2,599,329
UNIVERSAL COUPLING
Victor C. Huntington, Kenmore, N. Y.
Application June 26, 1947, Serial No. 757,114
1 Claim. (Cl. 64—31)



A universal joint, comprising end coupling members adapted for connection to opposing shafts and each including an attaching hub and diametrically-disposed arms, an intermediate fulcruming coupling member including a hub having two sets of diametrically disposed arms at substantially right angles to each other, one set of arms being adapted for registering and fulcruming relation with the companion arms of one of the end coupling members and the other set of arms for registering and fulcruming relation with the arms of the companion end coupling member, complemental radial race-ways in the inner faces of the outer portions of the end coupling member arms and in the opposing faces of the outer portions of said intermediate coupling member arms, balls guided in said races and on which said intermediate coupling member is adapted to fulcrum, the hub of the intermediate coupling member having an axial opening therein, and a tension spring connected at its ends to the hubs of the end coupling members and passing through said opening in the hub of the intermediate coupling member.

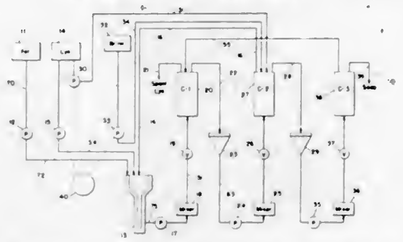
2,599,330
MACHINE FOR PLACEMENT OF CONCRETE AND THE LIKE
Corwill Jackson, Ludington, Mich., assignor to Jackson Vibrators, Inc., Ludington, Mich., a corporation of Michigan
Application January 6, 1947, Serial No. 720,363
10 Claims. (Cl. 94—48)

10. In a machine of the class described, the combination of a plank-like shaped vibratory member disposed vertically edgewise and adapted to support a substantial mass of concrete at the front thereof as it is advanced against the same, means for vibrating said vibratory member carried thereby, a weight, means for resiliently supporting said weight adjacent the top edge of the vibratory member and in a zone of said



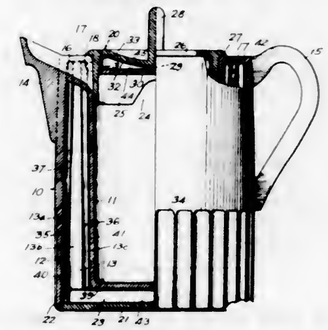
vibratory member of approximately maximum amplitude of vibration, and means adjustable relative to said vibratory member and disposed relative to said weight supporting means and vibratory member to adjust the limit of the range of movement the weight supporting means relative to the vibratory member due to the resiliency of the weight supporting means.

2,599,331
INDUSTRIAL PROCESS AND APPARATUS
Leo D. Jones, Philadelphia, Pa., assignor to The Sharples Corporation, a corporation of Delaware
Application March 3, 1950, Serial No. 147,396
9 Claims. (Cl. 260—418)



1. In a multi-stage continuous system for the treatment with a treating phase of a phase to be treated, each said stage comprising a feed receptacle, a pump, a mixer, flow control means, and a phase separator, said system having means for feeding phase to be treated to the feed receptacle of the first stage thereof and means for feeding treating phase to the last stage thereof, and means for advancing said phases from stage to stage in opposite directions, said phase to be treated advancing successively through the feed receptacles of said stages, the improvement which comprises means for varying the rate of flow of said phases to said system, means responsive to the quantity of material in the first stage feed receptacle for controlling said last-mentioned means to decrease and increase the feed of said phases to said system with increase and decrease respectively in the quantity of material in said first stage feed receptacle, and means for each stage subsequent to said first stage and responsive to the quantity of material in the feed receptacle of said subsequent stage for controlling the flow control means of the next preceding stage to decrease and increase the flow through said preceding stage with increase and decrease respectively in the quantity of material in the feed receptacle of said subsequent stage.

2,599,332
THERMOPITCHER
Alexander O. Kirman, New York, N. Y., assignor to Thermoplex International, Inc., New York, N. Y., a corporation of New York
Application August 2, 1949, Serial No. 108,100
4 Claims. (Cl. 65—66)

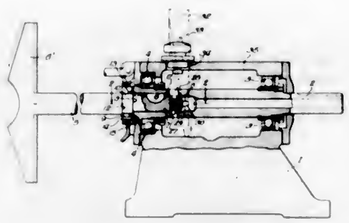


2. In a thermo-pitcher, a one-piece body having an inner container, a casing surrounding the container and having a disc-like flat bottom thereon of a separate piece of material, there being an insulating space between the container and the casing, an annular wall joining the tops of the container and the casing and bridging said space, said wall being depressed at a selected part thereof and the container and casing being correspondingly recessed at the depressed part of the wall, a spout projecting from the casing at the depressed part of the wall and communicating with the interior of the container, ribs projecting from the casing and the container into said space, the casing ribs alternating with the container ribs, metallic foil partitions in spaced relation to each other and to the casing and container held in place by the respective casing and container ribs and dividing the space into non-communicating compartments, a handle on the body integral with the casing and a rotary separable cover for the container having a top provided with a peripheral flange normally resting on the annular wall, and a depending skirt provided with a side opening adapted to register with the inner end of the spout and long enough normally to close said inner end from communication with the container, the cover having a partition therein above the bottom of the skirt and below the top to form a compartment therein, and metallic foil linings on the interior surfaces of the casing and cover compartment and on the outer surfaces of the container.

2,599,333
SHAFT CONNECTION
Harry E. La Bour, Elkhart, Ind., assignor to The La Bour Company, Inc., Elkhart, Ind., a corporation of Indiana
Application October 9, 1950, Serial No. 189,190
7 Claims. (Cl. 287—119)

4. Shaft coupling comprising a driving shaft section having an axial socket, an impeller shaft

section having a radial shoulder adapted to engage the end of the socket and a stud adapted to telescope in the socket, a pair of diametrically disposed openings in the walls of the socket, a cross bore in the stud, a pin with a tapered end



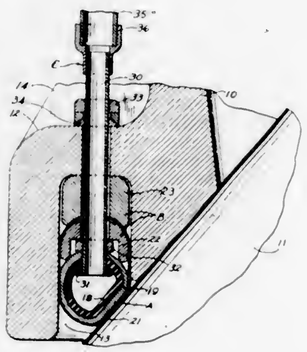
adapted to be projected from the stud and to engage one side of one of said diametrical openings to draw the shaft shoulder against the end of the socket, said cross bore having its outer end constricted to prevent escape of the pin from that end of the bore.

2,599,334

SEAL FOR BLAST FURNACE HOPPERS AND BELLS

Allen Latham, Jr., Jamaica Plain, Mass., assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application July 26, 1947, Serial No. 763,821
10 Claims. (Cl. 214—36)



3. In a blast furnace top assembly including a charging bell, the combination of a charging hopper having resilient means secured to its lower edge to be engaged by the bell for sealing the bell and hopper against the flow of gases therebetween, and means for cooling said resilient means, said resilient means comprising an annular rubber tube, an annular asbestos tube enclosing said rubber tube, and an annular jacket enclosing the rubber and asbestos tubes, said cooling means comprising a source of cooling fluid and pipes communicating with said source and the rubber tube to enable flow of said fluid from the source to and through said rubber tube.

2,599,335

MANUFACTURE OF GLYOXAL AND POLYGLYOXAL

René Léon Lehmann, Paris, and Josef Lintner, La Garenne Colombes, France, assignors to Bozel-Maletra Societe Industrielle de Produits Chimiques, Paris, France, a corporation of France

No Drawing. Application November 2, 1948, Serial No. 58,029. In France April 24, 1948
3 Claims. (Cl. 260—601)

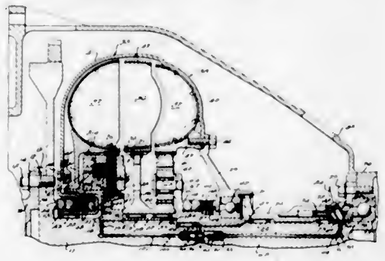
1. A method for the manufacture of glyoxal and polyglyoxal through oxidation of an aldehyde of the group consisting of acetaldehyde and paraldehyde, comprising the steps of reacting said aldehyde while stirring, with nitrous acid in slight excess and nitric acid in excess, in a closed space, at a temperature above that of decomposition of nitrous acid, continuously recovering the evolved gases containing unreacted aldehyde, nitrogen monoxide and sesquioxide, washing said gases in a countercurrent of fresh nitric acid and cold water at a temperature lower than that of decomposition of nitrous acid, whereby a solution of nitrous and nitric acids containing the said unreacted aldehyde is obtained, continuously introducing said solution into said closed space for reaction with a new quantity of free aldehyde continuously substituted for the consumed aldehyde, the sesquioxide being eliminated from the reaction cycle, and removing the formed glyoxal from the closed spaced.

2,599,336

FLUID POWER TRANSMITTING DEVICE

Joseph R. Lemon, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 6, 1945, Serial No. 597,745
29 Claims. (Cl. 74—677)



1. In combination, a driving shaft, a driven shaft, a fluid power transmitting device comprising a driving member, a first driven member surrounding the driving shaft, a second driven member spaced from the driving member, and a casing surrounding the members and secured to the second driven member, the said members conjointly defining a liquid working chamber and said members each having fixed radial vanes extending the depth of the chamber, a magnetic clutch for drivingly connecting the driving shaft and the driving member of the fluid coupling, a sun gear drivingly connected to the first driven member, an internal ring gear connected to the second driven member, planet gears meshing with the sun gear and the ring gear, a carrier for the planet gears drivingly connected with the driven shaft and journalled on the driving shaft, a fixed means, and a one-way brake connecting the second driven member and the fixed means.

2,599,337

LUBRICATING OIL ADDITIVES

Eugene Lieber, Chicago, Ill., and Edward P. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 26, 1948, Serial No. 17,365
9 Claims. (Cl. 252—48.2)

1. A process which comprises reacting a chlorwax-naphthalene condensation product having a molecular weight of at least 1,000 and having pour depressing properties with benzene sulfonyl chloride in the ratio of about 1 to 50 parts by weight of sulfonyl chloride per 100 parts by weight of chlorowax-naphthalene condensation product in the presence of a Friedel-Crafts catalyst hydrolyzing and removing residual catalyst and subjecting the reaction product to distillation under reduced pressure up to a temperature of about 600° F. to obtain the desired final condensation product as distillation residue.

6. Composition comprising a major proportion of a lubricating oil basestock and 0.05% to 10% by weight based on the lubricating oil basestock of a product comprising essentially a benzene sulfonyl halide derivative of a long chain aliphatic-aromatic Friedel-Crafts condensation product having a molecular weight of at least 1,000, said composition having an improved pour point and improved pour stability.

2,599,338

MOTOR FUEL

William E. Lifson, Elizabeth, and Gordon W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 26, 1950, Serial No. 164,608
6 Claims. (Cl. 44—63)

1. A fuel composition comprising a mixture of hydrocarbons boiling in the gasoline boiling range containing from about .05 to 1% by volume of a tetrahydro furfuryl alcohol.

2,599,339

COMPOSITIONS CONTAINING A MAJOR AMOUNT OF A WAX AND A MINOR AMOUNT OF A COPOLYMER OF ETHYLENE-1,2-DICARBOXYLIC ACIDS AND THEIR DERIVATIVES

Samuel B. Lippincott, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 8, 1949, Serial No. 131,916
3 Claims. (Cl. 260—28.5)

1. A composition consisting essentially of a major proportion of a paraffin wax and a minor proportion of a completely esterified aliphatic ester of an alkene-maleic anhydride copolymer wherein the esterification agent is a monohydric saturated alcohol.

2,599,340

PROCESS OF INCREASING THE PERMEABILITY OF ORIENTED SILICON STEELS

Martin F. Littmann, West Middletown, and Joseph E. Heck, Monroe, Ohio, assignors to Armco Steel Corporation, Middletown, Ohio, a corporation of Ohio

No Drawing. Application October 21, 1948, Serial No. 55,825
10 Claims. (Cl. 148—12.5)

1. A process of producing highly oriented silicon steel for magnetic purposes, said steel containing substantially 2.5 to 4% silicon, including as steps an initial hot rolling of the steel from slabs followed by a cold rolling treatment and a final high temperature anneal, which process is characterized by the step of heating the said slab prior to hot rolling to a temperature of substantially 2500° F.

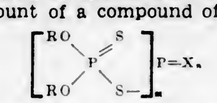
2,599,341

NEW PHOSPHORUS CONTAINING COMPOUNDS

John P. McDermott, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 29, 1947, Serial No. 782,952
10 Claims. (Cl. 252—46.6)

1. An essentially hydrocarbon oil product having incorporated therein at least a corrosion inhibiting amount of a compound of the formula



in which R is an alkyl group having in the range of 3 to 8 carbon atoms, X is selected from the group consisting of oxygen and sulfur, n is a number from 0 to 1, and m is an odd number from 3 to 5, but is 3 when n is 1.

2,599,342

INCREASING DRILLING FLUID VISCOSITY

Victor G. Meadors, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 1, 1950, Serial No. 147,141
7 Claims. (Cl. 252—8.5)

1. A drilling fluid comprising an aqueous dispersion of a clay to which has been added a viscosity increasing amount of an organic nitrogen compound selected from the class consisting of piperidine, piperidine homologues, and aliphatic and cycloaliphatic amines, said nitrogen compound having a dissociation constant of at least 1×10^{-4} and having a total of not more than 15 carbon atoms in the molecule, said drilling fluid having a density in the range of 9 to 18 lbs. per gallon.

2,599,343

HIGH-TEMPERATURE LUBRICATING GREASE MANUFACTURE

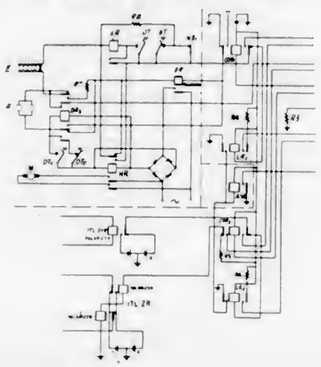
Arnold J. Morway, Clark, and John J. Kolfenbach, Somerville, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application February 8, 1950, Serial No. 143,172
9 Claims. (Cl. 252—41)

1. The process of preparing a lubricating grease which comprises mixing about 1 to 5 parts by weight of a saponifiable fatty acid having between about 12 and 22 carbon atoms with about 3 to 10 parts of a mineral base lubricating oil, adding a strong metal base in excess to saponify said fatty acid, adding about one-fourth to 2 parts of an aldehyde of molecular weight less than C_{12} fatty acids and capable of undergoing the Cannizzaro reaction in the presence of said base to form the corresponding salt in the presence of said lubricating oil and saponified fatty acid, heating to above 210° F. but not above about 340° F. with mixing to remove water and

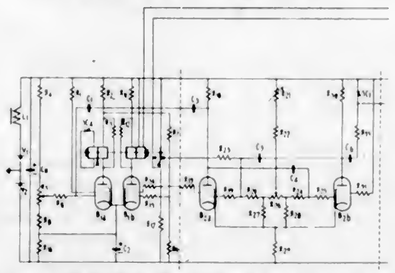
to substantially evaporate alcohol released in said Cannizzaro reaction, and further cooking and blending in additional lubricating oil to form a grease of the desired consistency.

2,599,344
TELEGRAPH EXCHANGE FOR LINES WITH SIMPLEX OR DUPLEX CHARACTERISTICS
Roelof M. M. Oberman, The Hague, Netherlands
Application October 1, 1947, Serial No. 777,139
In the Netherlands July 26, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 26, 1961
10 Claims. (Cl. 178—2)



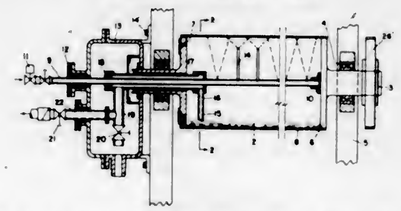
1. Telegraph system comprising in combination, an exchange; a plurality of subscribers; single current lines and double current lines for connecting each of said subscribers to said exchange; means operated by said subscribers, respectively, for changing said single current lines from two-wire (simplex) lines to four-wire (duplex) lines and vice versa; a repeater circuit in said exchange; and means in said repeater circuit for discriminating between simplex and duplex among said single current lines.

2,599,345
REGENERATIVE REPEATER
Roelof Maarten Marie Oberman and Antonie Snijders, The Hague, Netherlands
Application December 8, 1949, Serial No. 131,742
11 Claims. (Cl. 178—70)



1. In a regenerative repeater for telegraph signals including successive trains of impulses in a start-stop code, in combination, means receiving the impulses; a vibration generator connected to said receiving means so as to be started by the same on reception of the first train of impulses forming part of a telegraph signal; a transmission device retransmitting the signals received by said receiving means, said transmission device having two stable conditions assumed by the same, one at a time, under joint control of said receiving means and said vibration generator; a start-stop device electrically connected to the output of said vibration generator so as to be controlled by the same, said start-stop device including two tubes, one of said tubes being normally in conductive condition and the other of said tubes being normally in non-conductive condition, said tubes being mutually connected in a semi-stable relation; and switching means connected in the output of said start-stop device and controlling the operation of said vibration generator.

2,599,346
CHILLING ROLL
Bernard Offen, Chicago, Ill.
Application November 5, 1947, Serial No. 784,125
3 Claims. (Cl. 257—95)

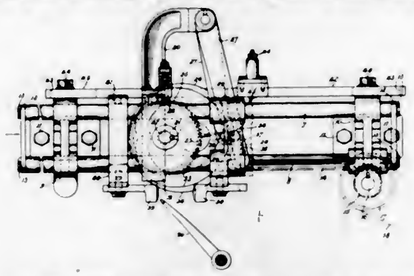


2. In apparatus of the character described, the combination of a rotatable, hollow roll, a stationary supply pipe for cooling medium extending through one end of the roll, said pipe having a plurality of nozzles through which high velocity jets of cooling medium are impinged continuously against the interior longitudinal wall of the roll, centrifugal forces created by rotation of said roll urging the cooling medium against the interior wall of the roll, turbolator means disposed against the interior wall of the roll to create agitation in the film of medium maintained adjacent thereto, a stationary discharge pipe extending through the opposite end of the roll, a scoop member connected to the discharge pipe, said scoop member extending adjacent the interior longitudinal wall of the roll to maintain a desired depth of continuously changing cooling medium adjacent the interior longitudinal wall of the roll, said scoop member being movable toward and from the interior wall of the roll to vary the depth of the film maintained adjacent the interior wall of the roll, and means for preventing leakage of medium along the exterior wall of the discharge pipe.

2,599,347
BUILDING MECHANISM FOR PACKAGES OF YARN
Gordon Haldane Pimley, Preston, England, assignor to Dobson & Barlow Limited, Bolton, England
Application October 1, 1949, Serial No. 119,042
In Great Britain May 11, 1949
2 Claims. (Cl. 242—158)

1. A yarn package building mechanism for textile machinery comprising supports on the machine, two parallel rods one above the other and connected at their ends and slidably mounted in said supports, a toothed rack on the underside of the lower of said rods engaged by a rotating pinion, two brackets on said rods, stops on the bottom ends of said brackets, a member mounted on said rods and between said brackets,

an upwardly extending arm on said member, a transverse extension on said member and between said rods, a transverse shaft rotatably mounted in said transverse extension, a ratchet wheel secured on the back end of said transverse shaft, a cam plate on the front of said ratchet wheel, said cam plate having a cam groove in its face, a spring pawl on said support engageable with and turning said ratchet wheel when moved



in one direction against said pawl, a compound arm swingably mounted in said upwardly extending arm, one arm of said compound swinging arm having a roller in said cam groove, said other arm having a slot in which is adjustably mounted a roller, a groove in the back of one of said brackets in which said adjustably mounted roller slides, said transverse shaft having at its front end a toothed check wheel engaged by spring pawl.

2,599,348
SCOOP SWINGING MECHANISM
Stephen S. Pokorny, Maquoketa, Iowa
Application January 26, 1948, Serial No. 4,440
1 Claim. (Cl. 214—140)



A material moving scoop comprising a pair of vertically disposed brackets, means on the brackets for attaching the brackets to an axle of a tractor, a scoop having a bottom with tines thereon, a rear wall and sides, a pair of lifting arms pivotally attached at one of the ends thereof to the upper ends of the brackets and pivotally attached at the other of the ends thereof to the sides of the scoop, a pair of hydraulic jacks pivotally attached at one of the ends thereof to the lower ends of the brackets and at the other of the ends thereof to said arms, a ring positioned on one of said hydraulic jacks, a cross bar extended between said arms and spaced from the rear wall of the scoop, a mounting plate extended from said cross bar and spaced from one of said arms, a transversely disposed swinging bar pivotally attached at one end to said mounting plate and extended across to the arm on the opposite side of the scoop, a hand lever pivotally mounted on and carried by the said arm on the opposite side of the scoop, a draw bar connecting the swinging bar to the hand lever, a latch carried by the swinging bar for retaining the scoop in a material carrying position, a tension bar pivotally mounted on said hand lever carrying arm and positioned to be engaged by the ring on the hydraulic jack which is positioned below said hand lever carrying arm, a spring attached to the upper end of said tension bar, a connection bar attached to the side of the scoop on which the hand lever carrying arm is positioned, the point where the connection bar is attached to the scoop being positioned above the pivotal mounting of the scoop, and a cable connecting the spring of the tension bar to the connection bar whereby upon upward travel of the scoop tension on the scoop retaining cable is relieved and upon lowering of the scoop to scooping position the tension bar is actuated by the ring on the hydraulic jack for drawing the scoop to a horizontal position.

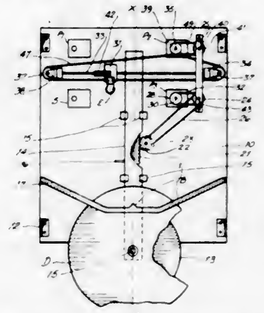
2,599,349
GREEN-COLORED OPAL GLASS
Richard W. Ricker, Parkersburg, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application May 23, 1947, Serial No. 750,173
2 Claims. (Cl. 106—52)

2. A green colored opal glass containing about 0.5% vanadium pentoxide and about .05% chromic oxide.

2,599,350
OXIDATION INHIBITOR
Harry W. Rudel, Roselle Park, and James M. Boyle, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 17, 1949, Serial No. 116,404
8 Claims. (Cl. 260—132)

1. The method which comprises reacting a double-bonded non-aromatic hydrocarbon with a sulfur halide to form a hydrocarbon product with added sulfur and halogen, and further reacting such product with an alkali metal dithiocarbamate, the amount of said alkali metal dithiocarbamate being stoichiometrically equivalent to the halogenated product, at a temperature in the range of about 50° to 150° C. whereby said halogen is substantially completely replaced by dithiocarbamate radical and by-product alkali metal halide is formed.

2,599,351
METER FOR DETERMINING THE AMPLITUDES OF SINE WAVES RECORDED ON DISKS
Robert E. Santo, Montreal, Quebec, Canada
Application November 20, 1948, Serial No. 61,193
3 Claims. (Cl. 88—14)



3. In an instrument for measuring the amplitudes of sine waves recorded on a disc, the com-

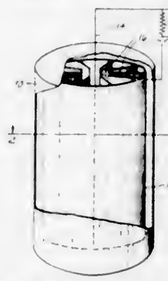
bination of a support for the disc for bodily moving the disc in a straight line, a lamp movable in a straight line at right angles to the line of bodily movement of the disc and in a plane parallel with and spaced from the plane of the disc, means constituting a line of sight disposed at right angles to the plane of the disc and passing through the line of its bodily travel for viewing the light pattern reflected from the disc, an electric circuit including an output measuring instrument, and separate operative connections between said support and said instrument and between said lamp and said instrument for measuring the output produced as a function of the bodily movements respectively of said support and of said lamp.

2,599,352

RADIATION DETECTOR

Benjamin B. Schneider, Chicago, Ill., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

Application March 8, 1947, Serial No. 733,324
2 Claims. (Cl. 313—93)



1. A radiation detector comprising a metallic cylindrical cathode member, an anode wire extending along the longitudinal axis of said cathode member, means for impressing an electrical potential across said cathode member and said anode, a plurality of elongated metallic fins disposed parallel to and projecting radially inwardly toward said anode wire from the inner surface of said cathode member, said cathode member having an electrically closed conductive surface extending substantially the length of said fins, the inner edges of said fins being parallel to and spaced equidistantly from said anode wire so that the strength of the electrical field will be the same between the anode wire and the inner edge of each of said fins, and a housing for said members adapted to contain a gaseous filling.

2,599,353

STAINLESS EMULSIBLE GREASE

Jere C. Showalter, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application June 21, 1950, Serial No. 169,512
3 Claims. (Cl. 252—21)

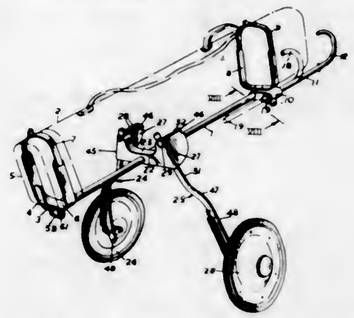
1. A stainless, emulsible grease composition which comprises 25% to 75% by weight of a base oil containing alkali metal petroleum sulfonates in an amount in the range between 10% and 15% by weight of said base oil, the remainder being a hydrocarbon in the lubricating oil boiling range, 0.5% to 2.0% by weight tall oil, 0.5% to 2.0% by weight of a polyhydroxy alcohol, 0.3% to 1% by weight of an oil soluble corrosion inhibitor, 0.05% to 0.2% by weight of a fatty acid, and a solid having lubricating properties selected from the class consisting of talc and mica in a ratio in the range between 1:2 and 2:1 to said base oil.

2,599,354

FOLDABLE GOLF BAG CARRIAGE

John L. Stableford, London, England

Application October 11, 1949, Serial No. 120,728
In Great Britain October 22, 1948
11 Claims. (Cl. 280—41)



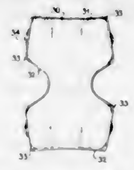
1. A golf bag carriage comprising a backbone adapted to support a golf bag therealong; a handle for maneuvering the carriage; a pair of similar independent legs; a wheel at the lower part of each of said legs; a pivot on the said backbone for the upper part of each of the said legs; said pivots forming the sole connection between the said legs and the said backbone and being arranged transversely of the longitudinal vertical medial plane of the latter and so as to incline symmetrically upwardly and outwardly from such backbone and each leg being adapted to swing independently of the other leg and about its own pivot from a stowed position in which the leg lies alongside the said backbone to an operative position in which it projects transversely downwardly from such backbone, and vice-versa; and independent spring catch means on each of said legs adjacent the pivoted end thereof for engagement with co-operating notched means on said backbone for locking the leg to said backbone releasably to retain the leg alternatively in either its operative or its stowed position.

2,599,355

BABY GARMENT

Anna K. Stepp, Cleveland, Ohio

Application June 29, 1949, Serial No. 101,950
1 Claim. (Cl. 128—287)



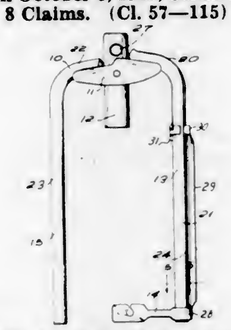
A diaper comprising an absorbent cloth inner garment and a waterproof outer garment, each of identical size and configuration, the garments embodying a narrow central section defined by opposed inwardly curved sides constituting crotch portions and convergent end sections constituting pant leg portions, tie cords along the marginal edges of the leg portions of the inner cloth garment, loops along the edges of the outer waterproof garments disposed in mating relation with said tie cords whereby the inner and outer garments may be placed in superposed position, the tie cords passed through said loops and the outer garment retained in assembled relation when the tie cords on the opposed edges of the leg portions are tied together.

2,599,356

FLIER

Frederick W. Wild, Cumberland, R. I.

Application October 6, 1949, Serial No. 119,889
8 Claims. (Cl. 57—115)



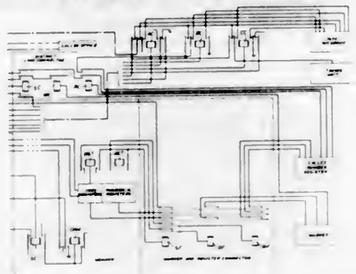
1. In a flier, a head having a tubular bearing stem, a hollow thread guide having an upper transverse portion secured to the head at one end thereof and a depending portion, said guide having a longitudinal thread slot, and a solid balance rod having an upper transverse portion secured to the head at the other end thereof and a depending portion, the transverse portion of the guide being vertically displaced with respect to the transverse portion of the balance rod.

2,599,357

AUTOMATIC TELEPHONE BILLING SYSTEM

Chester E. Brooks, Montvale, N. J., and Warren W. Carpenter, Garden City, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 23, 1946, Serial No. 649,584
32 Claims. (Cl. 179—7.1)



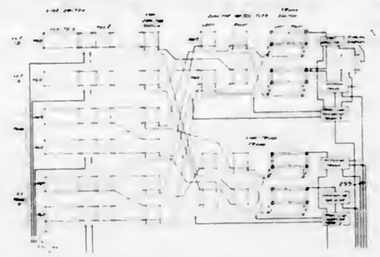
28. The method of recording a telephone call record which comprises the recording upon a single record medium of a plurality of separate entries relating to said call, the recording at random, intervening between said entries, of similar entries relating to other calls, and the recording in fixed association with each of said entries of an identification of the trunk over which said call to which the entry relates is made.

2,599,358

CALL DATA RECORDING AUTOMATIC TELEPHONE SYSTEM

Harold D. Cahill, Scarsdale, and Warren W. Carpenter, Garden City, N. Y., and Thomas L. Dimond, Rutherford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1948, Serial No. 57,388
19 Claims. (Cl. 179—8.5)



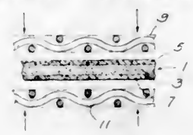
1. A device for translating the equipment terminal designations of the lines of a telephone system into given designations of such lines, which comprises a plurality of coils, a conductor for each line selectively threaded through the cores of such coils in accordance with the given designation of said line, means including registering means responsive to a line condition established upon said line when operated for making a call for registering the terminal designation of said line, means controlled by said registering means for selectively energizing the conductor individual to said calling line, thereby to induce a potential in each of the coils through the core of which said conductor is threaded, and means responsive to said induced potentials for indicating the given designation of said calling line.

2,599,359

ADHESIVE MATERIALS AND PROCESSES OF ASSEMBLING SHEET MATERIALS

Reginald M. Banks, New York, and Richard W. Lahey, New Rochelle, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

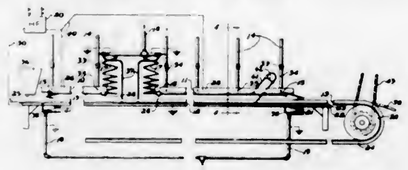
Application March 21, 1946, Serial No. 656,128
2 Claims. (Cl. 154—139)



1. A process of joining two sheets of material which comprises affixing the two sheets of material together by interposing between them an adhesive material consisting essentially of a sheet of water-insoluble thermoplastic synthetic resinous material which softens between 105° C. and 160° C. having both surfaces covered with pressure adhesive coatings of an elastomer, affixing the two sheets of material to be joined together in the desired position by means of said pressure adhesive coatings to form a temporary bond between said two sheets of material, and then subjecting the resulting assembly to heat and pressure to cause the thermoplastic sheet to fuse and thereby permanently fix together the two sheets of material to be joined together, said thermoplastic material being a synthetic rubber-

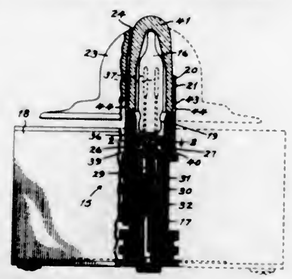
like material obtained by the copolymerization of butadiene and acrylonitrile and said elastomer being natural rubber.

2,599,360
HEATING DIELECTRIC MATERIALS AND APPARATUS THEREFOR
Martin Batiuk and Harmon G. Shively, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 16, 1948, Serial No. 65,604
9 Claims. (Cl. 219—47)



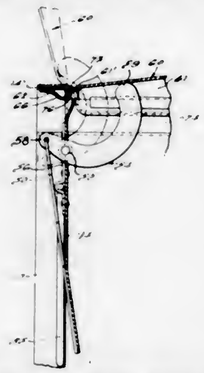
1. In an apparatus for heating a dielectric material, a pair of opposed, spaced electrodes, one being an upper and the other a lower, said upper electrode comprising a pair of opposed manifolds with interconnecting tubes and an inlet and outlet, means for maintaining said dielectric material between and spaced from said electrodes, means for establishing a high frequency alternating electrostatic field between said electrodes, and means for passing a heating medium through said upper electrode to heat it above the temperature of the surrounding atmosphere comprising an impedance means connected in shunt relation between said opposed electrodes at each said inlet and outlet.

2,599,361
PILOT LIGHT LAMP AND SOCKET STRUCTURE
James F. Beal, Renfrew, Ontario, Canada, assignor, by mesne assignments, to Renfrew Electric and Refrigerator Co. Limited, Renfrew, Ontario, Canada, a corporation
Application June 17, 1949, Serial No. 99,851
2 Claims. (Cl. 173—328)



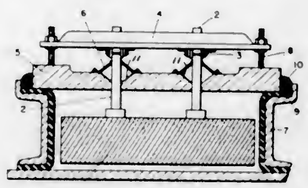
1. In lamp and socket structure of the character described, a tubular center post having an enlarged lamp bulb receiving socket at one end, a pair of conductor leads extending into the tubular center post and having socket contact terminals made as laterally disposed parallel conducting spring coils in the socket transversely to and spaced apart on opposite sides of the axial line of the tubular center post and socket, an elongated divider member of insulating material fitted endwise in the tubular opening of the post and socket and insulating between the conductor leads and the conducting coils thereof, and a lamp bulb fitted in said socket and having parallel spaced apart conductor leads extending therefrom inserted transversely between and spreading the helices of the spring coil contacts to establish the lamp in circuit with the conductor leads.

2,599,362
KITCHEN REFUSE RECEPTACLE
Charles Belsky, Detroit, Mich.
Application April 24, 1946, Serial No. 664,502
4 Claims. (Cl. 220—31)



1. A receptacle for refuse comprising an open top container of substantially rectangular cross section having a flat rear wall provided with a slot extended substantially the full width of the wall, and a cover for the container having a flat top and a straight-edge lip in coplanar relation with respect to the top and slidable in and removable from the slot and rockable in the slot to afford swinging movement of the cover.

2,599,363
ELECTROLYTIC CELL
Alfred Bennett and Donald Henry Prince, Widnes, and George Ernest Edwards, Runcorn, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application June 2, 1949, Serial No. 96,798
In Great Britain June 4, 1948
5 Claims. (Cl. 204—219)



1. An electrolytic cell comprising in combination a trough-shaped vessel having a smooth plane bottom, long in comparison with its width, arranged at a slight angle to the horizontal so that a mercury cathode can be flowed thereon, a cover therefor, said cell cover provided with apertures, the upper portions of which are conically countersunk, a plurality of graphite anodes distributed uniformly along the inside of said

vessel supported in an elevated position above said plane bottom by means for simultaneous adjustment of a plurality of said anodes all at one time, said adjustment means comprising metallic rods running in a direction parallel to the length of the cell and fixed to cross bars at right angles to the cell length, the cross bars having at their ends vertical holes through which pass threaded pillars bolts provided with adjusting nuts, the anodes masses being secured to said metallic rods by a series of rigid metal rods which pass through said apertures in the cell cover and sealing means providing for vertical relative movement between said cell cover and said anodes without escape of gas from within said vessel comprising flexible diaphragms secured at their peripheries to said cell cover apertures and said diaphragms surrounding said conducting rods and being in fluid-tight engagement therewith.

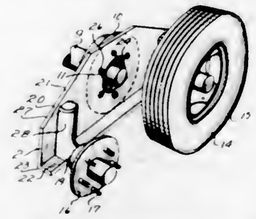
2,599,364
1-ALKYL-3-BENZOHYDRYL PIPERIDINES
Leo Berger, Nutley, and John Lee, Essex Fells, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application January 26, 1949, Serial No. 73,004
6 Claims. (Cl. 260—294.7)

1. A compound of the group consisting of 1 - alkyl - 3 - (α - hydroxy - benzohydryl) - piperidine and the acid addition salts thereof.

2,599,365
PIPERIDINE DERIVATIVES
Leo Berger, Nutley, and John Lee, Essex Fells, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Original application January 26, 1949, Serial No. 73,004. Divided and this application October 26, 1951, Serial No. 253,452
9 Claims. (Cl. 260—293)

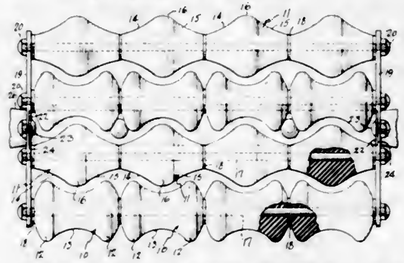
1. A compound of the group consisting of 1-alkyl-3-benzohydrylidene-piperidines and the acid addition salts thereof.

2,599,366
COMBINE AND TRANSPORT DOLLY THEREFOR
Martin J. Bohnenblust, Minneapolis, Kans.
Application September 3, 1949, Serial No. 113,937
1 Claim. (Cl. 280—61)



A dolly for replacing a traction wheel of a self-propelled combine for transportation thereof, said combine having a source of power, a driving axle connectible with the source of power and hubs on the driving axle with devices thereon for normally mounting and securing traction wheels thereto, said driving axle being free to rotate when disconnected from the source of power, comprising an elongated plate having apertures centrally located therein adapted to align with said devices on a driving axle hub and be rigidly secured to the hub thereby for rotation with the axle, said plate being substantially perpendicular to the axis of the axle and extending forwardly and rearwardly of said axle in line with the direction of travel of the combine, a flange on the plate spaced from said apertures thereof and coextensive with the length of said plate, said flange extending laterally and outwardly from the plate, parallel spindles resting on the flange and fixed to the flange and plate and extending laterally and outwardly therefrom, said spindles being equally spaced from and parallel to the axis of the driving axle, a hub rotatably mounted on each spindle, and wheels having pneumatic tires removably secured to each hub on the spindles for supporting the combine axle at substantially the same height as normally provided by the traction wheels, said wheels being on a plane parallel to the plate in tandem relative to the direction of travel of the combine whereby rotation of the combine axle in response to vertical movement of the wheels in following contours of road surfaces will cushion road shocks to the combine.

2,599,367
MASSAGING APPARATUS
Antonio Brucato, Bridgeport, Conn.
Application March 14, 1949, Serial No. 81,333
5 Claims. (Cl. 128—57)

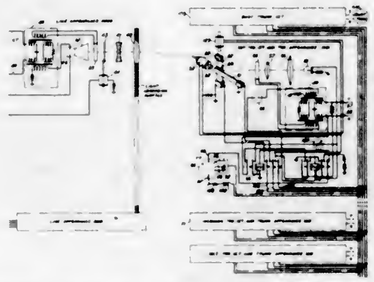


1. A massaging apparatus comprising a series of rollers arranged end to end in a plurality of rows side by side, the rollers in one row each comprising two longitudinally spaced convexly rounded flanged portions and a connecting concavely curved portion between them, the flanged portions of adjacent rollers being adjacent to each other, and the rollers in the next adjacent row each comprising a convexly rounded central enlarged portion and tapered in opposite directions therefrom to smaller ends, the tapered portions of adjacent rollers forming a connecting concavely curved portion between their enlarged central portions, said rollers being arranged so that the central enlarged portion of the rollers in the second row is opposite the concaved portion of the adjacent roller in the first row, and the two adjacent flanged portions of adjacent rollers in the first row are opposite the concaved portion formed by said tapered ends of adjacent rollers in the second row.

2,599,368
BEAM SWITCHING SYSTEM
Edmond Bruce, Red Bank, N. J., and Leo Gross, Bayside, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1948, Serial No. 26,014
5 Claims. (Cl. 250—7)

1. A beam switching telecommunication system comprising a plurality of subscribers' lines

and a line at a distant point, a beam reflector individual to each said subscribers' line, said reflector consisting of the surfaces contiguous to the intersection of three mutually perpendicular reflecting surfaces, a light sensitive device formed on one of said reflecting surfaces and responsive to the modulations of a light beam directed into said reflector, means for vibrating another one of the said reflecting surfaces for modulating a light beam reflected by said reflector, said light



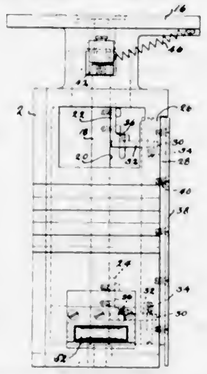
sensitive device and said vibrating means being connected to the said subscriber's line to which said reflector is individual, for translating incoming beam signals to electrical signals and outgoing electrical signals to beam signals, and means individual to said line at a distant point for selectively directing a beam toward the reflector of a desired one of said subscribers' lines, said distant point means also including a light sensitive device and a light controlling device connected to said line thereat.

2,599,369

PACKAGING MACHINE, PARTICULARLY THE BLOCKS THEREFOR

Pasquale Carrino, Passaic, N. J.

Application January 21, 1947, Serial No. 723,326
2 Claims. (Cl. 93—44)



1. In a packaging machine, the combination of a series of blocks, each carrying a container liner; means for telescoping each block and container liner with a container; forwarding means for forwarding the telescoped blocks and containers successively to a discharge or unloading station, one side of each block being movable bodily laterally, inwardly and outwardly, relative to the block; a rotatable member within each block, attached to the movable block side and extending to the block exterior; a cam-operated arm carried by each rotatable member; and a cam at the discharge or unloading station engaged successively by said arm to rotate said rotatable member to move the side of each block inwardly thereby to facilitate discharge of the lined containers from the blocks.

2,599,370

DEVICE FOR OPERATING PIPETTES

Merville H. Caulfield, Llanerch, Pa.; Carrie Caulfield, administratrix of said Merville H. Caulfield, deceased, assignor to Carrie Caulfield, Brookline, Pa.

Application November 24, 1948, Serial No. 61,853
2 Claims. (Cl. 73—425.4)



1. Suction device for operating a pipette comprising a resilient bulb having a pair of openings at opposite ends, a rigid open ended tubular bulb supporting member passing axially through said bulb, frictionally fitting the walls of both of said openings in airtight manner, a normally spring closed valve in said tubular member adjacent one of said openings controlling the air flow through that opening, the opposite end of said tubular member being adapted to be stoppered by the finger, the wall of said tubular member within said bulb having an opening therethrough, a rod within said tubular member having one end in operative proximity to said valve and the other extending a short distance outside of the finger stoppered end of said tubular member in position to be depressed by the finger for opening said valve.

2,599,371

PRINTING WITH ONIUM DYESTUFFS AND BUFFER MIXTURES

Tom Chadderton and Raymond Thornton, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 30, 1948, Serial No. 36,283. In Great Britain July 10, 1947
4 Claims. (Cl. 8—62)

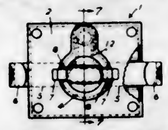
1. A process for the production of colored patterned effects on absorptive fibrous materials by local application of a dyestuff containing a water-solubilizing group selected from the class consisting of quaternary ammonium, tertiary sulfonium and isothiouronium salt groups, which comprises applying said dyestuff locally to said material in the presence of a buffered composition comprising a mixture of a member selected from the group consisting of weak acids and acid salts and an alkaline salt of a weak acid, which composition on heating changes from a weakly acid to a weakly alkaline state, and thereafter heating said material to convert said composition to its alkaline state and fix said dyestuff.

2,599,372

FASTENING FOR CONTAINERS, CASES, BAGS, AND THE LIKE

Charles William Cheney, Hockley, Birmingham, England

Application March 31, 1950, Serial No. 153,045
In Great Britain March 17, 1948
3 Claims. (Cl. 292—42)



1. In fastenings of the kind described, a catch member comprising a casing formed of front and back plates rigidly connected and provided externally upon its front plate with a fixed hollow boss, having aligned openings therein, clinched onto said casing by clinchings which pass through abutting parts of both front and back plates, said boss being adapted for the engagement thereof by a hasp and a pair of aligned catches slidable within channels of the back plate and through said openings in the boss and extending as hooks one on each side of the boss and as outer ends through openings in each side of the casing, and a spring having two arms operating against the catches and which is disposed and concealed, within the hollow boss, substantially as described.

2,599,373

THIXOTROPIC GEL FOR PRESERVING WOOD

Roman H. Chrzanowski, Buffalo, N. Y., assignor to Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y., a corporation of New York

No Drawing. Application January 11, 1949, Serial No. 70,369
7 Claims. (Cl. 167—38.7)

1. A thixotropic composition for preserving moisture containing wood consisting of a non-aqueous gel structure composed of a liquid hydrocarbon at least a portion of which is volatile and a gel forming agent selected from the group consisting of the saturated and unsaturated fatty acids which contain from 8 to 18 carbon atoms and the metal salts of said acids, said gel structure having a stable water-soluble mycocide wood preservative distributed as finely divided particles throughout the same, and said composition having a solid, inert filler material substantially uniformly distributed throughout the composition.

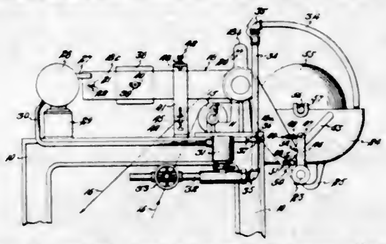
2,599,374

LIQUID ADHESIVE APPLICATOR AND CONTROL APPARATUS THEREFOR

William L. Davis, Savannah, Ga., assignor to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey

Application July 10, 1948, Serial No. 38,032
3 Claims. (Cl. 118—7)

1. An adhesive control device for a paper bag making machine comprising an adhesive receptacle pivotally supported, an adhesive applicator rotatably mounted on the receptacle for applying adhesive to a moving paper web, a roller carrying said web and having a common axis with the receptacle's pivot, a switch movable between on and off positions by the movement of the receptacle, an adhesive supply line to the receptacle, an electrical valve to open and close the said line, and an electrical circuit to the valve for energizing the valve, the said switch being disposed in the circuit in such manner that the valve opens or closes the line according to whether the switch is on or off.



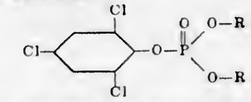
2,599,375

2,4,6-TRICHLOROPHENYL DIALKYL-PHOSPHATES

Lewis R. Drake, Midland, and Arthur J. Erbel, Bay City, Mich.

No Drawing. Application April 21, 1950, Serial No. 157,412
3 Claims. (Cl. 260—461)

1. A 2,4,6-trichlorophenyl dialkyl phosphate having the formula



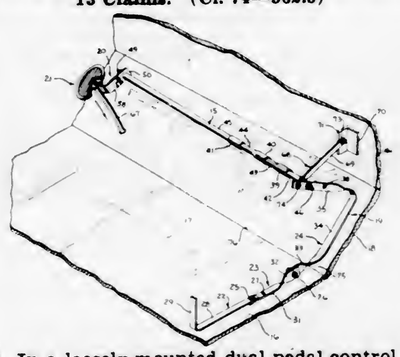
wherein R represents a member of the group consisting of the methyl and ethyl radicals.

2,599,376

DUAL BRAKE CONTROL

Ira J. Ehrenberg, Flushing, N. Y.

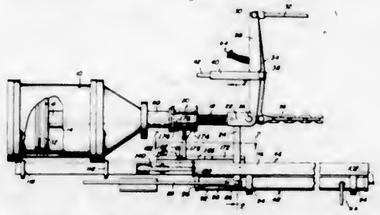
Application November 7, 1951, Serial No. 255,156
13 Claims. (Cl. 74—562.5)



5. In a loosely mounted dual pedal control device for an automobile having a horizontal floor, an inclined floor board adjacent thereto, and a vertical wall adjoining said floor board, a main control rod, a bracket at one end thereof adapted for attachment to the pedal, a supporting member at the other end of the rod, and stabilizing means; said member comprising a rear bar adapted to rest upon the floor of the automobile and having a seat abutment member at the rear thereof, a front bar having an upwardly and forwardly inclined section adapted to rest against the in-

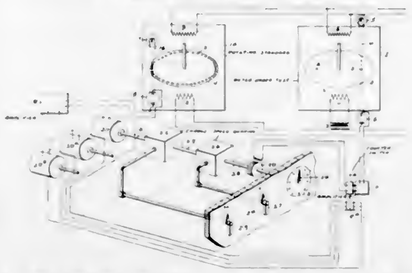
clined floor board of the automobile and an arm extending rearwardly from said inclined section, and pivotal connecting means between said front and rear bars, said arm being in supporting engagement with said rod, said stabilizing means comprising a pivotally supported base mounted on the said arm and disposed forwardly therefrom, said base being adapted for engagement with said vertical wall.

2,599,377
AUTOMATIC TRAVEL ADJUSTER FOR AIR BRAKE PISTONS
Ivan A. Farnworth, Orem, Utah
Application March 24, 1948, Serial No. 16,668
12 Claims. (Cl. 188—200)



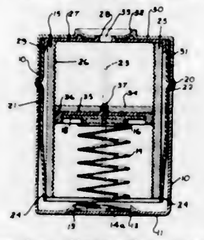
1. In an air brake system which includes a brake operating air piston, a brake linkage, and an operating member connected thereto, a compensating mechanism connecting said piston and said operating member, said compensating mechanism including an operating rack connected to said operating member, a clutch assembly engageable with said operating rack and movable with said air piston, resilient means urging said clutch into engagement with said rack adjusting means for limiting the return stroke of the operating rack to a predetermined travel, resilient means for returning said piston from the terminal position of its operative stroke, independent means for returning said operating member from the terminal position of its operative stroke, means preventing operation of said clutch for a predetermined initial movement of said air piston, and an adjustment arm secured to said adjusting means by a lost motion connection permitting a lost motion substantially equal to said predetermined travel.

2,599,378
MEANS FOR TESTING WATT-HOUR METERS
Rudolf A. K. Fleischmann, Philadelphia, Pa.
Application August 18, 1949, Serial No. 110,997
7 Claims. (Cl. 175—183)



1. Apparatus of the character described comprising means to set up a series of electrical impulses under the influence of the movement of a rotating part of a standard test meter, means for amplifying said impulses to develop an electrical current of sufficient strength to drive a synchronous motor, said motor having a rotating output member, a dial, a rotative indicator driven from such output member operative over said dial and chain speed gearing between the output member and the indicator for varying the effect of said member upon the indicator in accordance with the varying characteristics of meters to be compared with said standard test meter.

2,599,379
SCREW ACTUATED DISPENSING MECHANISM AND REFILL UNIT THEREFOR
Josef Gabler, Zurich, Switzerland
Application February 24, 1948, Serial No. 10,483
6 Claims. (Cl. 222—390)



1. A device for dispensing pasty substances comprising a container, a refill unit containing a pasty substance for insertion in the container in relative axially rotatable relationship therewith, the refill unit being threaded on its inner surface, a piston in the refill unit in threaded engagement with the inner surface for movement to express the pasty substance therefrom, a longitudinally compressible coupling member associated with the container, a key member for association with the piston to engage the coupling member and secure the piston and the container in mutually rotatable relationship relative to the refill unit whereby the piston is advanced longitudinally of the refill unit upon relative rotation of the container and refill unit.

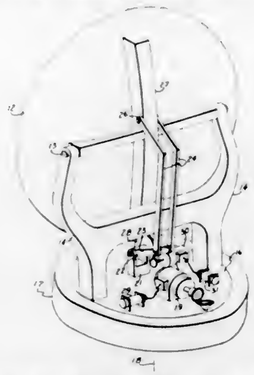
2,599,380
DISPLAY STAND
John F. Galvin, St. Louis, Mo.
Application December 11, 1948, Serial No. 64,751
1 Claim. (Cl. 211—133)



A display stand, comprising, a frame having a cross-bar, a sheet metal tray mounted on said frame and having upstanding sides, said sides being inverted U-shaped in cross section, the outer leg of each U being extended to engage said cross-bar in order to form supporting flanges for said tray.

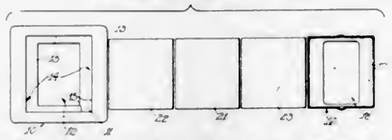
2,599,381
AXIS CONVERTER
Irvin H. Gerks, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application January 21, 1950, Serial No. 139,940
7 Claims. (Cl. 318—19)

2. An axis converter for controlling apparatus mounted on an alt-azimuth support system comprising a generally cresent shaped support member, a polar shaft supported in said support member, a ring rotatably supported on said polar shaft, a declination half-ring pivotally supported at the midpoints of said first ring, an azimuth axis supported from said polar axis and placed concentrically within said first ring, an elevation shaft-carrying means pivotally supported on said



azimuth axis, an elevational shaft passing through said shaft carrying means, a lever pivotally supported on said elevational shaft and extending to the mid-point of said declination half-ring, elevational pickoff means connected to said elevational shaft, azimuth pickoff means connected to said azimuth shaft, and the outputs of the elevational and azimuth pickoff means fed to control means on the controlled apparatus.

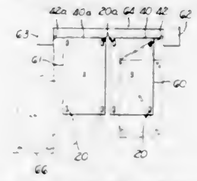
2,599,382
SLIDE HOLDER
Ernest W. Goldberg, Chicago, Ill.
Application November 13, 1947, Serial No. 785,743
9 Claims. (Cl. 40—152)



1. In a slide holder, of the type having companion rectangular interfitting frame pieces for securing a plate member therebetween, and registering light openings for the plate, the following improvements, namely: a circumambient marginal flange on one of said frame pieces and securing means therein comprising outwardly projected bosses on opposite marginal flange walls thereof, said bosses having a greater outward projection at the edges of said flange walls and tapering inwardly therefrom to a lesser projection near the juncture of said flange walls with the adjoining body parts of said frame piece, said bosses being adapted to enter the companion frame piece with the greater projection depth thereof foremost, whereby to provide a securing interfit for the frame pieces.

2,599,383
ROLLABLE STRUCTURE FOR BEDS AND THE LIKE
Harold Graham, Claremont, Calif.
Application December 2, 1950, Serial No. 198,882
15 Claims. (Cl. 5—8)

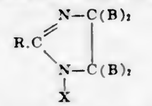
11. In an apparatus for guiding the movement of right and left floor-supported base structures for twin beds or the like relative to right and left pivot members spaced more than the combined widths of said base structures, which movement is from a rear side-by-side position in which said base structures are closely adjacent to a forward position in which said base structures are forward and spaced more widely from each other, the combination of: means for supporting each of said base structures to roll along the floor, said means including a reference caster and at least one other caster for each base structure, said casters of each base structure swivelling about spaced vertical swivel axes and each caster providing a wheel journalled on a horizontal axis to roll along the floor; connection means for mechanically linking said casters of each base structure to swivel together; a left arm providing one portion pivoted to said left pivot member and another portion pivotally connected to said left



base structure adjacent its reference caster and operatively connected to the corresponding connection means to turn the corresponding caster wheels as said left base structure is pulled forwardly to guide same toward said forward spaced position; and a right arm providing one portion pivoted to said right pivot member and another portion pivoted to said right base structure adjacent its reference caster and operatively connected to the corresponding connection means to turn the corresponding caster wheels as said right base structure is pulled forwardly to guide same toward said forward spaced position, said arms extending toward each other when said base structures are in said rear side-by-side position to guide said base structures through separating paths when pulled forwardly.

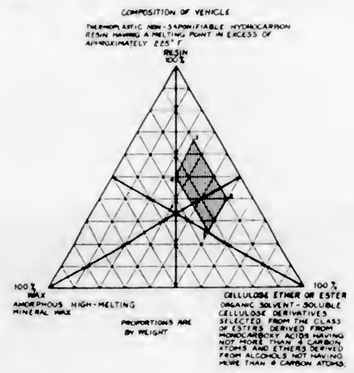
2,599,384
SOLID STICK CORROSION INHIBITORS AND A PROCESS FOR PREVENTING CORROSION OF OIL AND GAS WELL EQUIPMENT
William F. Gross, Webster Groves, Mo., and Charles C. Rogers, Jr., San Antonio, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application April 8, 1950, Serial No. 154,824
8 Claims. (Cl. 252—8.55)

1. A high-melting solid stick-form corrosion inhibitor for oil, and gas well equipment, having a specific gravity in excess of 1.5 and being of the following composition: (*a*) Weighting material selected from a member of the class consisting of lead oxide, barium sulfate, and metallic lead; and (*b*) a member selected from the group consisting of substituted imidazoline and its partial salt selected from the class consisting of



in which B is a member selected from the class consisting of hydrogen atoms and an alkyl radical having not over 2 carbon atoms, with the

proviso that at least three occurrences of (B) be hydrogen, and X is selected from the class of hydrogen atoms, R, DR, and D'R, in which D represents a divalent, non-amino, organic radical containing less than 25 carbon atoms, composed of elements from the group consisting of C, H, O, and N; D' represents a divalent organic radical containing less than 25 carbon atoms composed of elements from the group consisting of C, H, O, and N, and containing at least one amino group, and R is a member of the class consisting of hydrogen and aliphatic and cycloaliphatic hydrocarbon radicals, with the proviso that at least one occurrence of R contains 8 to 32 carbon atoms; and (c) a vehicle; said ratio of ingredients being approximately within the weight percentages specified by the parrallelogram defined by points



1, 2, 3, and 4 in Figure 2; with the further proviso that the vehicle (c) specified immediately above shall be composed of (1) and amorphous high-melting mineral wax; (2) an organic solvent-soluble cellulose derivative selected from the class of esters derived from monocarboxy acids having not more than 4 carbon atoms and ethers derived from alcohols not having more than 4 carbon atoms, and (3) a thermoplastic non-saponifiable hydrocarbon resin having a melting point in excess of approximately 225° F., selected from the class of coumarone-indene resins, coumarone-indene type petroleum resins, and resins obtained by the extraction of brown coal; and with the final proviso that said ratio of ingredients (1); (2); and (3), be approximately within the weight percentages specified by the parallelogram defined by points 1, 2, 3 and 4 in Figure 1.

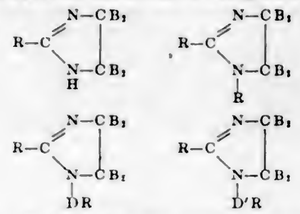
2,599,385

SOLID STICK CORROSION INHIBITORS AND A PROCESS FOR PREVENTING CORROSION OF OIL AND GAS WELL EQUIPMENT

William F. Gross, Webster Groves, Mo., and Charles C. Rogers, Jr., San Antonio, Tex., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application July 9, 1951, Serial No. 235,906
1 Claim. (Cl. 252—8.55)

A high-melting solid stick-form corrosion inhibitor for oil and gas well equipment having a specific gravity in excess of 1.5 and having the composition: (a) finely divided weighting material; (b) a substituted imidazoline selected from the class of materials having the formula



in which B is hydrogen, methyl or ethyl, at least three occurrences of B being hydrogen, and in which D represents a divalent, non-amino organic radical containing less than 25 carbon atoms, composed of elements from the group consisting of C, H, O, and N; D' represents a divalent organic radical containing less than 25 carbon atoms, composed of elements from the group consisting of C, H, O, and N, and containing at least one amino group; and R is a member of the class consisting of hydrogen and aliphatic and cycloaliphatic hydrocarbon radicals, with the proviso that at least one occurrence of R contains 8 to 32 carbon atoms; and (c) an oxidized mineral wax having a saponification value between 50 and 180, and a hardness (needle penetration, 100 gm. weight, 5 secs.) of less than 50 mm.; ingredients (b) and (c) being present in relative proportions of 20 to 65 parts of (b) to 80 to 35 parts of (c).

2,599,386

WELL TREATMENT APPARATUS

James D. Haynes, Kilgore, Tex., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application July 15, 1946, Serial No. 683,628
17 Claims. (Cl. 166—1)



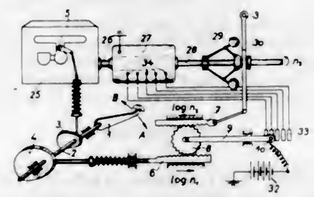
1. A well treating apparatus for spotting a fluid material in a well for use with a string of well tubing and tubing plugs making a sliding sealing fit with the bore of a well tubing comprising a pair of tubular members arranged concentrically so as to provide an annular passageway lengthwise of the members; means joining their upper ends together so as to close the said annular passageway at its upper end, the inner one of the tubular members having a lateral port near its upper end communicating with the said annular passageway; a tubing plug stop in the inner tubular member opposite the lateral port so as to form a closure therefor, said tubing plug stop having a longitudinal bore extending therethrough, said longitudinal bore being smaller than that permitting the passage of a tubing plug; shearable means initially holding the said tubing plug in place, said tubing plug stop as in place closing the said lateral port; a stop means mounted in the inner tubular member a distance below the tubing plug stop equal to about 1.5 tubing plug lengths, said stop means having a longitudinal bore extending therethrough for the passage of fluid from above to below the stop means; and coupling means at the upper end of the inner tubular member for connection to the end of a tubing string.

2,599,387

POWER TRANSMISSION UNIT

Karl Hefel, Innsbruck, Tyrol, Austria

Application July 26, 1947, Serial No. 763,891
In Germany April 17, 1942
1 Claim. (Cl. 74—472)



In a drive for an automotive vehicle containing an internal combustion engine, a transmission gear, a driving and a driven shaft, the combination comprising the following elements: an adjusting organ, operated by the driver for all driving and braking output values of the engine, two curved guides, kinetically coupled with said adjusting organ, a differential mechanism, and control means for adjusting the ratio of transmission, adjusting means controlled by the first of the said curved guides for regulating the fuel supply, both curved guides being shaped according to a predetermined regulation characteristic of the engine, and specifically the first being shaped according to the positions of the fuel supply regulating organ predetermined for each output and the second according to the values of the theoretical number of revolutions of said engine predetermined for the same output, a governor controlled by the number of revolutions of the driven shaft of said transmission gear, the first member of the differential mechanism being moved by the second curved guide according to the logarithm of the theoretical values of the number of revolutions of the engine, the second member of the differential mechanism being moved by said governor according to the logarithm of the number of revolutions of the driven shaft of said transmission gear, the third member moving in dependence on said two first members, and being connected to the transmission gear control means so as to act thereupon.

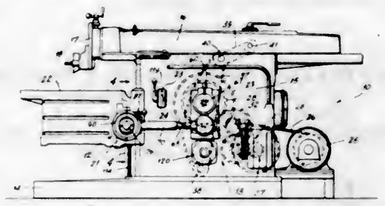
2,599,388

SHAPING MACHINE MECHANISM

Harold E. Hicks, Webster Groves, Mo., assignor to Gemco Shaper Company, a corporation of Missouri

Application May 23, 1947, Serial No. 749,994
15 Claims. (Cl. 90—38)

1. In a machine of the kind described including a transversely movable work table, a vertically movable work table support, and power means, in combination, mechanism for selectively connecting the power means with the work table for power traversing the same and with the work table support for power raising or lowering the



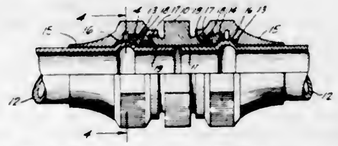
same including a single movable power transmitting member alternately operatively connectible between the power means and the work table or work table support.

2,599,389

HYDRAULIC FITTING

William L. Hume, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.

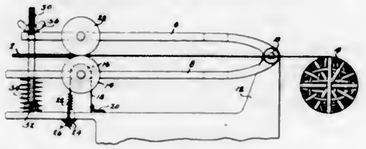
Application October 17, 1949, Serial No. 121,775
4 Claims. (Cl. 285—124)



1. A device of the type described, comprising: means presenting an inner cylindrical wall surface closely receiving the end portion of at least one tube having spaced from the inner end thereof, an external, annular bead having a toroidal exterior surface angularly intersecting the tube wall in two longitudinally spaced and opposed root-circles to define abutment shoulders; the inner cylindrical wall surface of said receiving means being radially enlarged adjacent the one end thereof in the form of a rigid toroidal abutment having a larger outside diameter, a smaller radius of curvature and a greater degree of inflection than the bead, with the toroidal surface of said abutment disposed radially outwardly of, and concentric with, the adjacent portion of the outer toroidal surface of said bead; a tube anchoring longitudinal compression member circumscribing said tube longitudinally outwardly of said bead and having an inner cylindrical wall surface radially enlarged adjacent said bead in the form of a complementary rigid toroidal abutment having the same radius of curvature as the first said abutment and with the toroidal surface thereof disposed radially outwardly of, and concentric with, the adjacent outer toroidal surface of said bead; and means for connecting said anchoring member with, and for drawing the same toward, said receiving means to directly apply solely to the abutment shoulders at the root circles of said outwardly extending tube-wall intersecting exterior bead surface tangential forces having equal and opposite longitudinal components which are concentrated on said shoulders; thereby to longitudinally couple said tube in said receiving means clampingly and to provide a sectionally crescent shaped clearance chamber in the form of a lune of revolution lying radially between said toroidal abutment surfaces and the exterior

toroidal surface of said bead to accommodate radial outward movement of said bead under longitudinal contraction and expansion of said tube caused by thermal forces and by overtightening of said anchoring means.

2,599,390
PREPARATION OF EXTENSIBLE THREAD FOR WINDING ABOUT OBJECTS
Hiram N. Huse, Providence, R. I.
Application November 3, 1948, Serial No. 58,108
2 Claims. (Cl. 242—151)



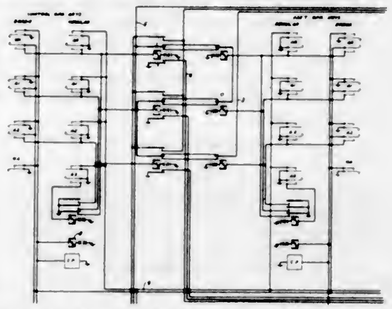
1. Apparatus for treating extensible thread in its passage from a supply source to an object about which it is wound by rotation of the object, said apparatus comprising, in combination, a pair of arms pivoted at one end to a fixed support and extending away from said pivoted connection in the same general direction in spaced relation to each other; a roller mounted on each arm, said rollers being positioned abreast of each other and rotatable about parallel axes which are transverse of the arms; means for adjusting one roller relatively to the other, to adjust the gap between their peripheries to less than the thickness of the thread being treated, whereby, as the thread being treated passes between the rollers in its passage to the rotating object about which it is being wound, it will be stretched laterally; and a brake for one of said rollers so set that the thread must be stretched longitudinally to draw it from between the rollers to the object being wound.

2,599,391
INTERFACE MODIFIERS AND METHOD OF PREPARING SAME
Morris Katzman, Los Angeles, Calif., assignor to Process Chemicals Company, Los Angeles, Calif., a corporation of California
No Drawing. Application November 29, 1950, Serial No. 198,250
19 Claims. (Cl. 260—401)

1. The reaction product of a mixture containing at least 1% by weight of a basic component produced by reacting a hydroxy alkyl amine with a higher fatty acylating compound, said mixture being reacted with a polybasic acid having at least one hydrogen substituted by a hydrophobic organic radical and having at least one free acid hydrogen.

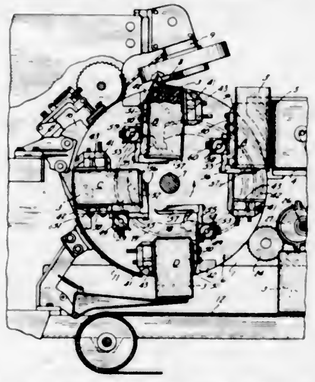
2,599,392
RECORDING DEVICE
Lindley A. Kille, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 5, 1947, Serial No. 772,301
6 Claims. (Cl. 164—113)

1. A device consisting of a control operator's key set, an assistant operator's key set, each said key set having a bank of keys, means for holding each said key in operated position after a manual operation thereof, common key releasing means in each said key set operable for simultaneously releasing all operated keys of each said set, electrical networks controlled by said key sets for transmitting keyed information in code, a recorder having a plurality of recording magnets, connector means operable for interconnecting the said electrical networks of said control operator's key set and said recording magnets to operate said magnets, a code matching circuit



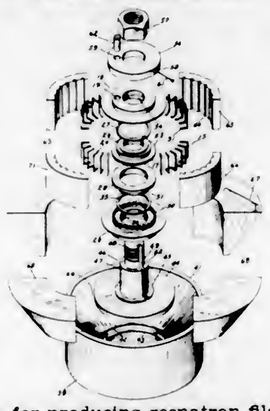
responsive to said electrical networks for operating said connector means responsive to a match of information simultaneously keyed at said two operators' key sets, and means controlled by said connector means for operating said key releasing means.

2,599,393
BAG SUPPORTING MEANS FOR BAG CLOSING AND SEALING MACHINES
Harold V. Kindseth, Minneapolis, Minn., assignor to Bemis Bro. Bag Co., Minneapolis, Minn., a corporation of Missouri
Application December 1, 1950, Serial No. 198,663
11 Claims. (Cl. 53—57)



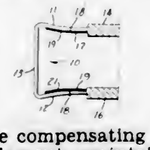
1. In a bag closing and sealing machine, a rotor having a plurality of circumferentially spaced compartments therein, each compartment comprising a bottom wall, opposed side walls, and front and rear wall elements, and adapted to receive a bag to be sealed, means for delivering filled bags to said compartments in laterally spaced relation to one of the side walls thereof, means mounting the bottom wall and one of said wall elements of said compartments for movements transversely of the path of travel thereof, means for imparting movements to said bottom wall and said one of the wall elements of each compartment whereby to carry the bags transversely into engagement of one side thereof with one of said side walls and to cause the bags to be clamped between said wall elements, mechanism for imparting movements to the other of said side walls toward engagement thereof with the opposite side of their respective bags, means for folding the upper ends of the bags into closing engagement, and conveyor mechanism for delivering the closed and sealed bags away from said rotor.

2,599,394
ASSEMBLY DEVICE FOR RESNATRON FILAMENTS
Walter H. Kohl, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application November 19, 1949, Serial No. 128,380
4 Claims. (Cl. 113—99)



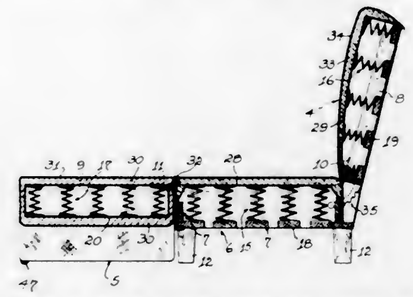
1. A jig for producing resnatron filament baskets comprising a base member formed with an axially tapered opening and a shoulder formed in said base member adjacent the end of the tapered opening, an upright member received within said base member against the shoulder, filament engaging portions received within said base member and concentric about said upright member, clamping means connected to the upper end of said upright member, aligning means connectible with the upright member and the clamping means and wedge means received between said filament engaging portions and the tapered well of said base member.

2,599,395
FILAMENT TEMPERATURE COMPENSATING DEVICE
Walter H. Kohl, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application January 25, 1950, Serial No. 140,507
7 Claims. (Cl. 313—278)



1. Temperature compensating apparatus for a staple-shaped filament maintained between a pair of holding members comprising, a bi-metallic strip extending cantileverally from one of said holding members adjacent an end section of said filament, a second bi-metallic strip extending cantileverally from the other holding member adjacent the other end of said filament, and said first and second bi-metallic strips terminating adjacent the electron emitting portion of the filament.

2,599,396
SEATING AND SLEEPING UNIT
Jacob Kronheim, Cleveland Heights, Ohio
Application June 3, 1949, Serial No. 96,895
3 Claims. (Cl. 5—28)



1. In an article of upholstered furniture to be used as a seat and bed structure, a seat frame, a folding frame hinged to the front end of said seat frame, a spring structure for said seat frame mounted thereon, a spring structure arranged in said folding frame, and a fabric casing enclosing the latter spring structure and attaching same to the side rails of said folding frame, said fabric casing including fabric attachment means arranged at opposite sides of the casing and secured to the bottom faces of the side rails of the folding frame, said encased spring structure extending through said folding frame and permitting limited axial shifting of the encased spring structure within said folding frame for cooperative action of the encased spring structure with the spring structure of the seat frame when the folding frame rests on the main frame while the article of furniture is used as a seat structure.

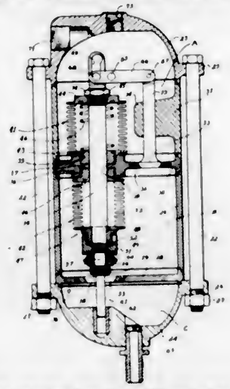
2,599,397
INSOLUBILIZING AND SOLIDIFYING FATTY ACID ESTERS OF ALCOHOLS
Max Kronstein, New York, N. Y.
No Drawing. Application June 17, 1948, Serial No. 33,676
19 Claims. (Cl. 260—406)

1. A method of insolubilizing and solidifying higher fatty acid esters of alcohols characterized by their solubility in coal tar and petroleum solvents, which comprises treating said esters with at least about 4.5 percent by weight of an organic peroxide, at a temperature of at least about 90° C., and sufficiently elevated to effect substantially immediate and complete release of free oxygen therein to form a solidified reaction product in the form of a mass of incoherent, solid particles, said reaction product being insoluble in coal tar and petroleum solvents.

2,599,398
AIR REGULATOR VALVE
Robert H. Kuntz, Carbondale, Ill.
Application October 17, 1950, Serial No. 190,566
5 Claims. (Cl. 230—89)

1. An air regulator for a water storage system, including a water tank, said regulator comprising top and bottom head members, a stack of alternate valve and cylindrical spacing sections

disposed between the head members, means extending between the head members to retain the stack sections in assembled relationship, one of said valve plate sections having a valve seat therein providing for an opening, the other of said plate sections having a valve seat therein providing an opening therethrough, said stacked sections and the head members providing cham-



bers for the reception of air or water, valve elements associated with the respective valve seats of the valve plate sections, means extending between the valve elements and responsive to the air pressure of the water tank for opening one valve and closing the other valve, or vice versa, said bottom head member having vent means for receiving air under atmospheric pressure and having a water outlet drain.

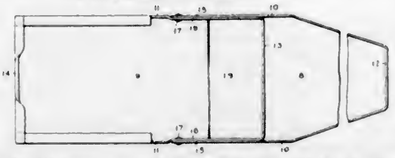
2,599,399

PORTABLE FOLDABLE IRONING BOARD

Alpha Perry Lantz, Washington, D. C.

Original application January 2, 1947, Serial No. 719,799. Divided and this application April 28, 1948, Serial No. 23,807

3 Claims. (Cl. 38—139)



1. A folding ironing board comprising inner and outer sections formed of sheet metal having depending side flanges, the side flanges of the inner section having at their engaging ends elongated slots extending lengthwise thereof, said side flanges of the outer section having projecting extensions directed toward the inner section beyond the engaging end of the outer section and overlapping the flanges of the inner section, and depressed seat means associated with the engaging end of the inner section to support the outer section, said engaging end of the outer section overlapping the depressed seat means at the engaging end of the inner section, and means for pivotally connecting said sections together comprising pivot rivets positioned adjacent the ends of the projecting extensions and passing through the slots of the flanges of the inner section whereby said pivot rivets slide and rotate in said slots when the outer section is slid lengthwise of the inner section and said outer section free end swung downwardly and inwardly to folded position.

2,599,400

METHOD OF MAKING STABLE PLASTIC MOLDING COMPOSITION OF LOW SHRINKAGE AND PRODUCT OBTAINED THEREBY

Allan B. Leerburger, New York, N. Y.

No Drawing. Application March 23, 1950, Serial No. 151,518

8 Claims. (Cl. 260—89.5)

4. The method of making an improved molding composition that has low shrinkage characteristics during molding, which method comprises mixing a inhibited monomer and a polymer in proportions between 35 parts of monomer to 65 parts of polymer, and 65 parts of monomer to 35 parts of polymer, together with a polymerization catalyst, both the monomer and polymer being from the group consisting of methyl methacrylate, the ester of acrylic acid; the ester of methyl acrylic acid; cyclohexyl methyl methacrylate; methyl ethyl methacrylate; and styrene, stirring the mixture until it becomes thick and the monomer and polymer no longer separate when the stirring is stopped, keeping the mixture in a container until the mixture jells into a gum, and thereafter softening the composition by milling the gum until it acquires substantially the soft and pliable characteristics of soft putty.

2,599,401

PROCESS OF OBTAINING CRYSTALLINE PENICILLIN SALTS

John A. Leighty, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application August 15, 1947, Serial No. 768,931

6 Claims. (Cl. 260—239.1)

1. The process of obtaining an alkali-metal salt of penicillin in substantially pure crystalline state directly from a solution of acid penicillin in a hydrophobic organic penicillin-extraction solvent of the class consisting of 3- to 6-carbon-alkyl-group alkyl-actates, in which solution the penicillin is predominantly benzyl penicillin and is present in a concentration not less than about 1600 units per ml., which comprises reacting the acid penicillin in said solution with an alkali-metal compound of the class consisting of potassium acetate, potassium hydroxide, sodium acetate, and sodium hydroxide to convert the acid penicillin to the alkali-metal salt of penicillin with a small amount of water present during the reaction and with the total quantity of water present and formed in the reaction mixture wholly dissolved in the alkyl-acetate phase upon completion of said reaction so that there is no separate aqueous phase, and regulating the temperature of the reaction mixture to between 25° C. and 45° C., thereby precipitating the alkali metal salt of penicillin directly from the said penicillin-extraction solvent in substantially pure, substantially non-oily crystalline state, the alkali-metal compound being used in an amount to produce a pH between pH 5 and pH 8 in a water solution of the precipitate.

2,599,402

ORE-WASHING APPARATUS

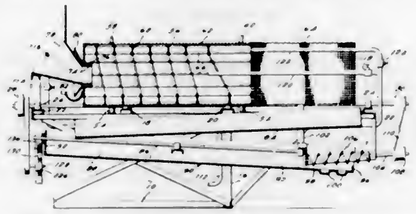
Roy B. Lindsey, Phoenix, Ariz.

Application June 5, 1950, Serial No. 166,224

1 Claim. (Cl. 209—44)

In an ore washing apparatus, including a cylindrical, horizontally rotatable trommel having a front end imperforate section and a rear end perforate section, a trough of substantially

V-shape cross-section and a width somewhat greater than the diameter of the trommel, said trough underlying the under side of the trommel and sloping downwardly and forwardly for receiving the washed ore discharged through the perforations of the perforate section thereof, a second trough of substantially arcuate cross-section underlying the longitudinal central portion of the first trough and sloping downwardly and rearwardly to receive the washed ore from the forward end of the first trough, means for imparting a lateral rocking motion to the second



trough, a baffle within the second trough at each side of the longitudinal center thereof for agitating the washed ore in its passage along the same, said baffles terminating short of the rear end of the second trough, means in the bottom of the second trough beyond the terminal ends of the baffles for collecting the heavier value containing ore from the wash water as it and the lighter value free ore overflows the trough end, and a rotary spiral element projecting angularly into the rear end of the second trough to assist in the discharge of the wash water and the lighter ore from the trough end.

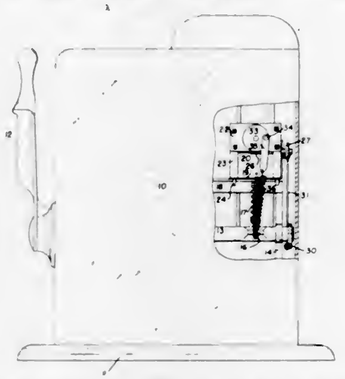
2,599,403

AUTOMATIC SPRING TENSION VARYING MEANS

Delmas Martin, Lamar, Colo.

Application October 8, 1949, Serial No. 120,259

5 Claims. (Cl. 267—1)



1. The combination with a rock-shaft having a radial projection, an actuating spring serving said projection to normally retain the rock-shaft at one limit of its oscillation, and means for oscillating said rock-shaft against the tension of and to load said spring, of means operatively interlinking said rock-shaft and the end of the spring remote therefrom for automatically varying the tension of said actuating spring as an incident of rock-shaft oscillation.

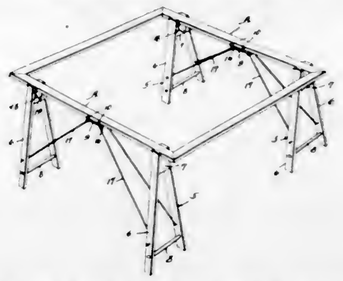
2,599,404

TRUSS FOR QUILTING FRAMES

Harvey B. McLemore, Okmulgee, Okla.

Application March 13, 1950, Serial No. 149,433

3 Claims. (Cl. 304—5)



1. A truss of the class described, comprising a clamp adapted to be removably clamped to the side bar of a quilting frame, pairs of supporting legs, supporting blocks secured between the supporting legs at points spaced from the upper ends of said legs providing a space for the reception of the side rail of a quilting frame, spring arms secured to said blocks, piercing prongs extending inwardly from the ends of said spring arms and adapted to embed themselves in the side rail of the quilting frame above the legs with which the truss is used, and pivoted brace rods connected with the clamp and legs, holding the legs against movement longitudinally of the side rail of the quilting frame.

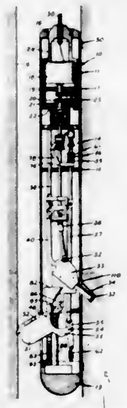
2,599,405

SIDE WALL SAMPLE TAKING APPARATUS

Maurice Mennecier, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

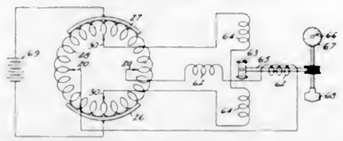
Application September 10, 1947, Serial No. 773,146

11 Claims. (Cl. 255—1.4)



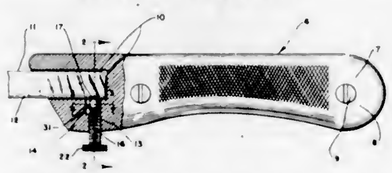
1. In sample taking apparatus for use in bore holes, the combination of a support movable through the bore holes, core barrel means carried by said support and rotatable relatively thereto for cutting a sample out of the side wall of a bore hole, means for rotating the core barrel means, sample storing means carried by said support, and means for transferring a sample from said sample cutting means to said sample storing means.

2,599,406
WIRE-WOUND TANGENTIAL TELEMETRIC TRANSMITTER
Charles R. Mikolic, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Application March 15, 1950, Serial No. 149,725
6 Claims. (Cl. 318—25)



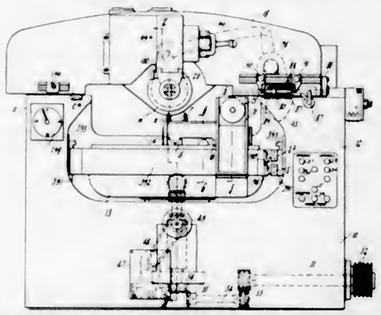
5. A telemetric resistor transmitter comprising an annular core, a winding of wire of uniform cross section on said core, said winding having a uniform number of axially disposed turns per unit of peripheral length, means for insulating each said turn from the adjacent said turns, means forming a low resistance connection between each turn and the adjacent turns of a first 90 degree segment of said resistor for connections to a first terminal of a source of current, means forming another low resistance connection between each turn and the adjacent turns of a 90 degree segment of said resistor diametrically opposite said first segment for connection to a second terminal of said source, a first pair of contact making rollers in contact with said wire at diametrically opposite points of said resistor for connection to a coil of a receiver, a second set of contact making rollers in contact with said wire displaced 90 degrees from said first pair of rollers for connection to another coil of said receiver, and means for causing relative rotation between said first and second rollers and said resistor in accordance with an indication to be transmitted to supply currents to said coils which are a measure of said rotation.

2,599,407
RAZOR BLADE HANDLE ATTACHMENT
Eugene B. Miller, Chicago, Ill.
Application July 3, 1950, Serial No. 171,963
3 Claims. (Cl. 30—335)



1. A razor blade handle attachment, comprising a pair of handle elements, of substantially similar configuration secured together in face-to-face relationship, defining therebetween a blade confining slot extending inwardly from one end intermediate the top and bottom surfaces of the handle, one of said handle elements being provided with lip portions at one end thereof defining an intermediately recessed portion, the other of said handle elements being provided with complementary shoulder cuts adapted to contact intimately the said lip portions and further provided with an intermediate lip portion to fit the said recessed portion resulting in said blade confining slot, a bore at the lower edge of the said handle attachment merging with the said blade confining slot and provided with a keyway, a locking tumbler provided with a key slidably operative in the said keyway and adapted to slide in the said bore and further provided with a binding edge positioned in transverse relationship to the cutting edge of a razor blade, pressure means urging the said locking tumbler into nicking engagement with the cutting edge of the said razor blade, and a blade removably insertable with its sharp edge toward the said locking tumbler in the said blade confining slot, the said locking tumbler being provided with two facets at its top defining a binding edge to engage transversely the sharp edge of the said blade and nick the same to lock it in place firmly.

2,599,408
MACHINE FOR ROUGH MILLING AND GENERATIVE FINISHING OF MACHINE ELEMENTS
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application June 6, 1946, Serial No. 674,838
10 Claims. (Cl. 90—3)

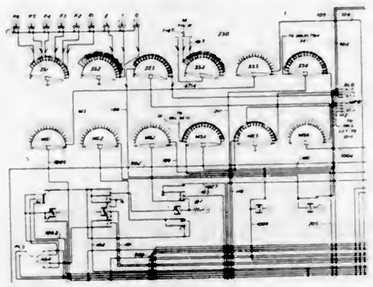


1. A roughing and finishing machine tool comprising a work carriage, a work spindle rotatably mounted on said carriage, a tool holder, roughing and finishing cutters supported by said holder with a space between them, means for actuating said cutters, said work carriage and cutter holder being relatively displaceable to bring the roughing cutter and finishing cutter separately into operating relation with a work piece mounted on the work spindle, and control means organized to hold the work carriage and spindle stationary while the roughing cutter is in operating relation to the work piece, and to impart reciprocative movements to the carriage and correlated rotational movements to the spindle when the finishing cutter is in the operating relation to the work piece.

6. In a machine tool having a cutter supporting stool and a cutter carriage mounted to reciprocate on said stool, means for reciprocating said carriage, means operated by the carriage to cause steps of advancing movement to be imparted to the stool, and means operated by the stool when arriving at a prescribed point in its advancing movement for causing the stool to be retracted.

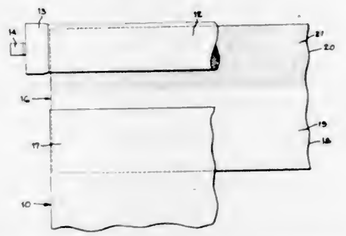
2,599,409
SENDER TEST CIRCUIT
Charles O. Parks, East Norwalk, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1950, Serial No. 179,771
17 Claims. (Cl. 179—175.23)

1. In a testing circuit for testing register senders of a telephone system, means for connecting said testing circuit with a sender, a plurality of rows of keys including one row for each possible digit of telephone designations, a transmitting circuit including a digit distributor for transmitting digits to the connected sender in accordance with a designation set up on said rows



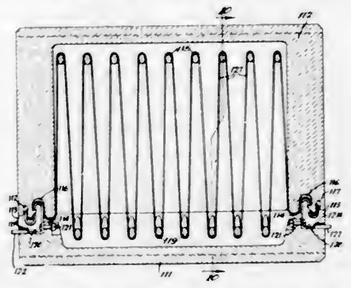
of keys, a receiving circuit including a digit distributor for receiving digits from said sender, and means for presetting the digit distributors of said transmitting circuit and said receiving circuit in accordance with the first row of keys in which a key is operated.

2,599,410
WINDOW SHADE ATTACHMENT
John B. Probst, Cheviot, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland
Application March 31, 1950, Serial No. 153,114
2 Claims. (Cl. 160—400)



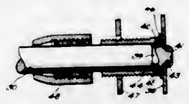
1. In combination with a window shade formed from vinyl plastic sheet material and a shade roller, means for securing the shade to the roller comprising an adhesive strip formed of paper and having a substantial width dimension, the adhesive strip having a band of water insensitive plasticized adhesive deposited along one longitudinal edge thereof, said band securing the edge of the adhesive strip permanently to the upper transverse edge of the shade with a portion of the adhesive strip extending beyond the upper edge of the shade, the extended portion of the adhesive strip having a second adhesive band of water sensitive adhesive deposited along its longitudinal edge, said second band being parallel with and spaced from the first band, the spacing of said bands delineating a relatively narrow flexible uncoated strip area intervening between the two bands, the second band of adhesive adapted to be reactivated by water and secured adhesively upon the periphery of the shade roller whereby the upper edge of the shade is spaced from the roller by said relatively flexible uncoated strip area.

2,599,411
FILAMENT SUPPORT
Dudley C. Pulliam, Chicago, Ill.
Application May 16, 1950, Serial No. 162,187
4 Claims. (Cl. 219—19)



4. In combination, a pair of cooperating frame members, each of which is provided with a plurality of spaced catch members adapted to engage and hold a filament, said catch members on said respective frame members being staggered to permit interlaced passage as the frame members are slid together, a filament having its ends secured to the frame members and being supported in zigzag array by the respective catch members, and a pair of spring clamps carried by said frame members operative to lock the same together in interlaced relation and providing also anchor means for the ends of said filament.

2,599,412
REARVIEW MIRROR APPARATUS
Daniel E. Reed, Norwalk, Conn., assignor to Supersite Corporation, Bronx, N. Y., a corporation of New York
Application November 14, 1947, Serial No. 785,853
1 Claim. (Cl. 287—20)



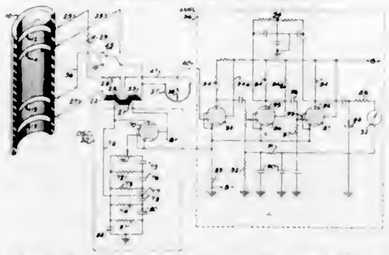
In a rear view mirror, in combination, a bracket adapted to be detachably secured to an automobile and having a hole therein, a plurality of extruded teeth formed around said hole, a shank adapted to support a rear view mirror at its outer end and having a necked down portion adjacent the inner end thereof and protruding through said hole, said teeth being pressed inward to embrace said necked down portion and said end being riveted over to laterally embrace and overlie said teeth, whereby said shank and bracket are rigidly secured together, a casing adapted to surround a portion of said bracket and contact the outer face of the support therefor, clamping means carried by said shank and adapted to engage said casing and force same against the support therefor, whereby said bracket is drawn towards said means and held in operative relation to its support, means forming a shoulder on said shank on the side of said bracket opposite said teeth said shoulder being of greater outer diameter than said hole, and a bushing on said shank having an interior flange engaging said shoulder whereby said flange is compressed between said shoulder and said bracket, said bushing being in threaded engagement with said clamping means.

2,599,413

DRILLING MUD RESISTIVITY METER

Paul P. Reichertz, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application January 18, 1950, Serial No. 139,268
7 Claims. (Cl. 175—183)



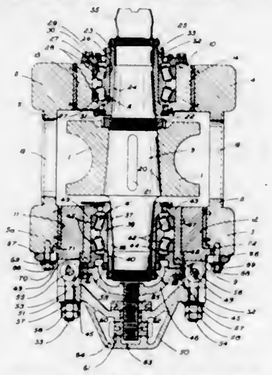
1. A system for measuring the resistivity of a liquid comprising a circuit including a cell containing said liquid, a fixed resistance, a source of alternating current and a variable resistance for controlling the magnitude of the current in said circuit, means for determining the adjustment of said variable resistance at which a predetermined current flows through said cell comprising a null detector having in its input circuit said fixed resistance and a potentiometer in circuit with said source, only a predetermined portion thereof being effective in said input circuit so that a voltage of predetermined magnitude is in phase opposition to the potential across said fixed resistance whereupon flow of said current of predetermined magnitude will produce a voltage null in said input circuit, means for replacing said fixed resistance in said input circuit by a portion of the liquid current path in said cell whereby variation of said potentiometer changing said predetermined portion produces a second voltage null in said input circuit, the ratio of said predetermined portions of said potentiometer corresponding with said voltage nulls being proportional to the resistivity of the liquid in said cell.

2,599,414

ADJUSTABLE ROLL SUPPORT

William Rodder, Youngstown, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio

Application May 24, 1946, Serial No. 672,108
3 Claims. (Cl. 80—56)



2. A roll mounting of the type described comprising a shaft, a roll removably secured on said shaft for rotation therewith, anti-friction bearings on said shaft on opposite sides of said roll, said bearings each having outer race members and inner race members and anti-friction elements therebetween, a bearing block secured to the outer race of one of said bearings, a sleeve member secured to the outer race of the other of said bearings, a second bearing block, said sleeve member having a sliding fit in a bore in said second block, and means for adjusting the position of said sleeve in the bore of said second bearing block whereby said shaft, roll and first named bearing block are simultaneously moved relative to said second bearing block.

2,599,415

PUTTY REMOVING DEVICE

Cecil R. Russell, Tulsa, Okla.

Application October 15, 1949, Serial No. 121,538
4 Claims. (Cl. 90—12)



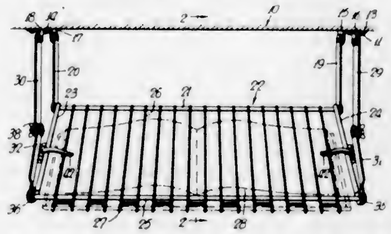
1. A device of the character described including a motor casing, a motor in the casing, spaced cutters rotatable in the casing, a driving connection between the motor and cutters, a guide head adjustably supported on the motor casing to control the cutting depth of the cutters, and a guide block on the guide head intermediate the cutters to cooperate with said head in supporting the cutters within the putty groove of a window sash.

2,599,416

BOOKHOLDER

Carleton Engler Saecker, Closter, N. J.

Application June 28, 1951, Serial No. 233,981
4 Claims. (Cl. 45—82)



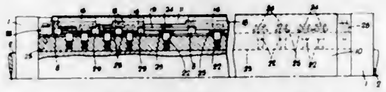
1. A book holder comprising, in combination, a pair of spaced horizontally extending bracket supports adapted to be secured to the underside of a kitchen cabinet disposed above a work bench, said bracket supports having depending ears on the opposite ends thereof, a substantially flat rectangular book support having a book-engaging abutment on its forward edge, a pair of links having their upper ends pivotally secured to said ears and their lower ends pivotally secured to the rear corners of the book support, two sets of toggle links having the upper toggle link of each set pivotally secured to said ears and the lower toggle link of each set pivotally secured to the forward corners of said book support, and means for adjusting the toggle joints of said toggle links.

2,599,417

PLATE-STRAINING MECHANISM FOR USE IN PRINTING MACHINES

Leslie Chamberlain Seed, Leeds, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York

Application September 1, 1948, Serial No. 47,187
In Great Britain September 3, 1947
6 Claims. (Cl. 101—415.1)



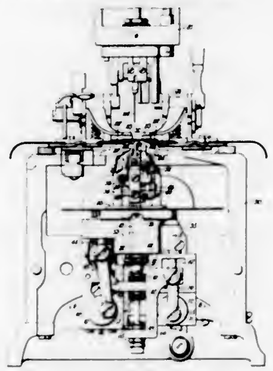
1. In combination a printing cylinder having a longitudinal slot in its periphery, guide blocks in slot providing a series of fixed locating surfaces transverse to the length of the slot, a printing plate having bars secured at the undersurface of the plate at its ends, the said bars having a series of transverse locating surfaces and having endwise movement for locking engagement with the fixed locating surfaces and mechanism housed in said slot to urge the bars towards one another to strain the plate about the cylinder, the said mechanism comprising individually operable pressure components which are contained in the slot and disposed to engage remote faces of the said bars and are disposed to thrust the bars towards one another by wedge action, and operating screws positioned between the guide blocks to actuate the said pressure components.

2,599,418

STITCH-FORMING METHOD AND APPARATUS

Edward Paul Spaine, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application July 27, 1948, Serial No. 40,915
5 Claims. (Cl. 112—65)



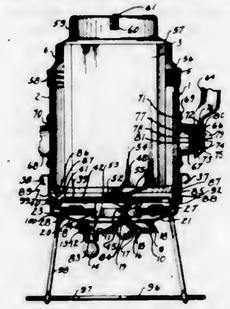
1. An overedge stitch-forming mechanism for sewing machines, comprising, upper-thread mechanism having an endwise reciprocatory and laterally vibratory thread-carrying needle, and under thread-handling mechanism including a pair of loopers adapted alternately to enter thread-loops presented by said needle, a pair of loop-retainers each adapted for seizing a thread-loop from its respective looper, actuating mechanism for operating each of said loop-retainers causing it to seize a thread-loop from its respective looper and present it for entrance by said needle, and loop-retainer dwell producing connections in said actuating mechanism for causing each of said loop-retainers to delay the release of the thread-loop seized thereby until one of said loopers enters the thread-loop cast out by the needle on its next ascent.

2,599,419

MULTIPLE SWITCH AND MULTIPLE BULB ELECTRIC LANTERN

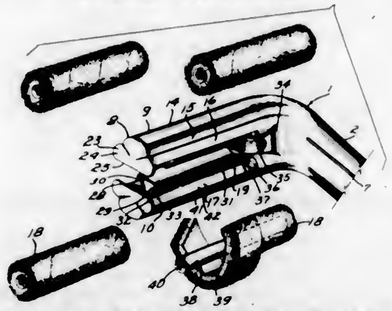
Phillip A. Stark, Kansas City, Mo., assignor, by mesne assignments, to Karl J. Schroer and Nelle Schroer, Kansas City, Mo.

Application July 29, 1949, Serial No. 107,453
3 Claims. (Cl. 240—10.63)



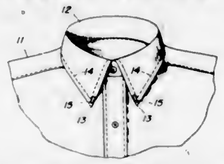
1. In an electric lantern including a casing having one end converging forming a substantially horizontal portion in said casing and terminating in a boss having a closed bottom provided with openings for receiving incandescent bulbs and a battery cell in said casing, a bearing plate engaging the substantially horizontal portion of the casing and having a central aperture therein, a second plate rotatably engaged with the bearing plate and having an aperture aligning with the central aperture of the bearing plate, spaced resilient contact arms on and electrically insulated from the second plate and extending therefrom oppositely to the bearing plate, a cap plate having electrical engagement with one of the battery terminals, means securing the cap plate to the casing, a contact member on and insulated from the cap plate and having a portion extending therethrough and electrically engaging the other battery terminal, contacts on and insulated from the cap plate on opposite sides of and spaced from the contact member and having portions extending through the apertures in the bearing plate and second plate, one of said contact portions having electrical engagement with one of the incandescent bulbs and the other contact portions having electrical engagement with the other bulb, said second plate having diametrically opposed sockets, said casing having slots on opposite sides substantially aligned with said sockets, and switch levers along the exterior of the casing having inturned portions extending through and laterally movable in the slots and engaging in the sockets for rotating the second plate to engage one of the spaced resilient contact arms thereon with the contact member and the other contact arm with one of the contacts on the cap plate for energizing one of the bulbs.

2,599,420
SUCTION DUSTER FOR VENETIAN BLINDS
Earl C. Westhoff, Belton, and Jesse J. Williams, Kansas City, Mo.
Application March 11, 1950, Serial No. 149,064
5 Claims. (Cl. 15—394)



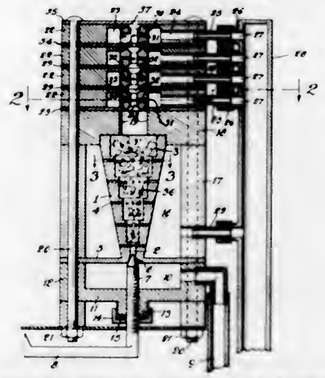
1. A suction duster for Venetian blinds comprising, a tubular member adapted for connection at one end thereof with a source of suction, spaced parallel hollow branches on the other end of said tubular member and adapted to straddle the slats of a blind, said branches having communication with the tubular member, a plurality of dusting elements having sheep wool thereon, and arcuate members adjacent to and extending along each side of each branch and forming exterior open-sided sockets for receiving and retaining said dusting elements whereby the fibers of the sheep wool engage the faces of a slat between the branches, the sockets in each branch being contiguous to the corresponding sockets in the opposed branch, said branches having slots only along adjacent faces of said branches between the dusting elements, said arcuate members forming elongate orifices leading to the slots and converging in a direction normal to said branches, said slots having a length relative to the width of the slats to be cleaned to confine the suction to the portion of the duster contacting said slats.

2,599,421
COLLAR STAY
Carl C. Wilm, Denver, Colo.
Application March 29, 1951, Serial No. 218,161
2 Claims. (Cl. 2—116)



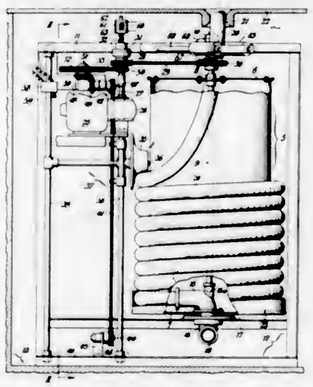
1. A shirt with a turned-down collar and fastening means for detachably securing each of the points of the collar to the shirt, said means comprising a small magnet supported out of view on the shirt at a place adjacent to the apex of one of the collar points, and a small flat piece of magnetically attractable metal having intersecting side edges the angular relationship of which corresponds generally to the angular relationship of the side edges of the apex area of the collar point, said flat piece of metal being supported out of view in matching relation on and within the confines of said apex area of the collar point, the metal piece being attracted to and held by the magnet on the shirt whereby the collar point is held down in flat condition.

2,599,422
ATOMIZER
Loyde E. Yettaw, Maywood, Ill.
Application May 27, 1948, Serial No. 29,503
6 Claims. (Cl. 299—140)



1. In an atomizer, an atomizing tube including a plurality of expansion chambers, a plurality of cylindrical constricting passages joining them, means for supplying liquid under pressure to one end of the tube, there being an atomizing discharge port communicating with the other end of the tube, means for supplying air under pressure to the cylindrical passages, there being an apertured closure for each end of the tube, the liquid being supplied to the tube through one of the apertures, the atomized liquid being discharged through the other, the apertures in the closures being of lesser diameter than the diameter of the constricting passages.

2,599,423
HOSE REELING MECHANISM
Ralph B. Ziegler, Philadelphia, Pa., assignor to Philadelphia Valve Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 2, 1950, Serial No. 165,713
5 Claims. (Cl. 242—86)

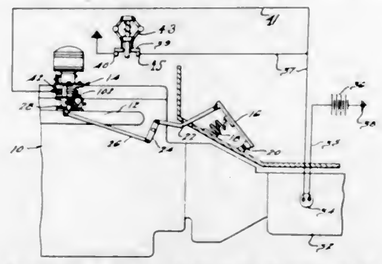


1. In hose reeling mechanism, a vertically-arranged winding drum having an axial shaft extension at the top thereof; a vertically-arranged drive shaft adjacent the drum; sprocket wheels respectively on the drum shaft and on the drive shaft and a chain connecting them; control means guided for up and down travel adjacent the drum for controlling the hose as it is wound or unwound; a pair of vertically-spaced horizontal axis sprocket wheels and a connecting chain whereto the hose control means is attached; a bevel gear affixed to the upper of the two horizontal axis sprockets; an intermeshing bevel gear rotative about a vertical axis; a sprocket wheel affixed to the last mentioned bevel gear; another sprocket wheel on the drive shaft; and a chain connecting the two last mentioned sprocket wheels.

2,599,424
MANUFACTURE OF AN ACRYLIC ACID ESTER
Otto Albrecht, Muenchenstein, and Arthur Maeder, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Original application February 12, 1948, Serial No. 7,998. Divided and this application June 19, 1950, Serial No. 169,071. In Switzerland February 21, 1947
10 Claims. (Cl. 260—405)

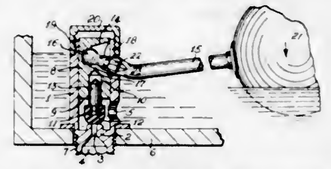
1. A process for the manufacture of an acrylic acid ester which comprises treating acetylene with nickel carbonyl with the addition of an acid and of a hydroxy compound which contains at least one alcoholic hydroxy group and at least one carbon chain with at least 12 carbon atoms, in the presence of water and of a water-insoluble organic solvent selected from the group consisting of hydrocarbons of the benzene series, hydrocarbons of the benzine series and mixtures thereof.

2,599,425
TRANSMISSION CONTROL SWITCH
Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 21, 1949, Serial No. 71,871
6 Claims. (Cl. 200—59)



6. A control for an electrical circuit of a motor vehicle having a throttle and linkage operable to control the throttle; said control including a switch having a housing, a first contact element and a second contact element, said second contact element having a portion thereof formed as a plunger and being slidably mounted in said switch housing for movement between a first position remote from said first contact element and a second position in electrical conducting relationship with said first contact element, spring means normally urging said plunger to its first position, means associated with said linkage and operable to slide said plunger to said second position when said linkage is moved beyond a predetermined position in a direction tending to open said throttle, a plate pivotally mounted on the exterior of said housing in a plane normal to the axis of said plunger, said plate having an opening through which one end portion of said plunger extends, said plunger having an indentation on the surface thereof so positioned that it is located in said plane when said plunger is in its second position, spring means associated with said plate and urging the latter to rotate so that the opening therein is disaligned with said plunger and a portion of the plate adjacent said opening cooperates with said indentation when said plunger is in its second position to lock it therein and a cam means carried by said linkage and operable to engage a portion of said plate to pivot said plate and realign the opening therein with said plunger and release said plunger for return to its first position under the influence of said first mentioned spring means, said cam means being so positioned as to engage said plate in response to movement of said linkage beyond a predetermined limit in a direction tending to close said throttle.

2,599,426
AUTOMATIC VALVE
Leslie Clement Barling, Rosebank, Johannesburg, Transvaal, Union of South Africa
Application October 21, 1949, Serial No. 122,805
In Union of South Africa May 20, 1949
2 Claims. (Cl. 137—104)

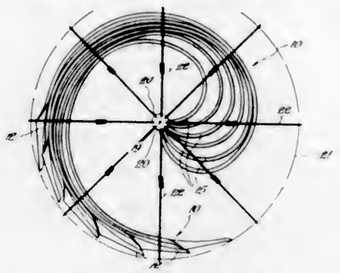


1. An automatic valve for admitting a predetermined quantity of liquid to a container comprising a vertically extending hollow cylindrical body, adapted to be attached to the container and to have a liquid supply means connected thereto, said hollow cylindrical body having a transverse partition with an axial inlet aperture therein, and a radial outlet opening above the partition, a plunger slidable in the cylindrical body above the partition, said plunger having an axial guide opening extending upwardly from the lower end thereof, a closure structure having a head and engageable with the transverse partition to close off the inlet aperture thereof and a guide pin projection extending into said axial guide opening of the plunger whereby the closure structure will be guided in its movement relative to the plunger and maintained in alignment with the aperture of the transverse partition, float lever means connected to said plunger to elevate the plunger upon the liquid supply being lowered in the container and vent means in the plunger communicating between the axial guide opening and the exterior of the plunger whereby the closure structure may be left on the transverse partition and over the aperture in the absence of the liquid pressure supply to prevent the flow of liquid from the container to the liquid supply source.

2,599,427
METHOD OF BUNDLING SPRING HARROW TINES
Fred Bellingher, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 26, 1951, Serial No. 228,509
7 Claims. (Cl. 100—31)

7. The method of bundling tines, each tine having a generally similar convolute shape with

a connecting portion at one end and a tooth portion at the other end; comprising the steps of cradling the tines in close contiguous generally



convolute arrangement whereby the teeth are circumferentially spaced to form a circularly shaped bundle and tying the tines in the bundled relation.

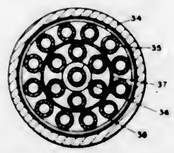
2,599,428

TUBE BUNDLE FOR HEAT EXCHANGERS

Alexis A. Berestneff, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Original application July 13, 1946, Serial No. 683,387. Divided and this application May 27, 1948, Serial No. 29,525

2 Claims. (Cl. 257—236)



1. A heat exchanger which comprises a bundle of pipes disposed in spaced relation through which a fluid may be passed, spaced members extending about the innermost pipe of said bundle and spaced longitudinally thereof, a row of pipes placed about said innermost pipe in spaced relation to one another and spaced from the innermost pipe by said members, second members extending in longitudinally spaced positions about all the pipes of said row, a second row of pipes placed about the first row in spaced relation to one another and spaced from the first row by said members, third members extending about all the pipes of the second row and spaced longitudinally thereof and a pipe enclosing and supporting the bundle through which another fluid is passed, said pipe being held in spaced relation to said bundle by the outer members disposed thereabout.

2,599,429

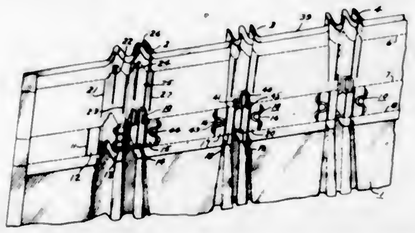
DRAPERY HEADING

Joseph Bernhard, Stepney, Conn., assignor to Consolidated Trimming Corporation, New York, N. Y., a corporation of New York

Application October 13, 1950, Serial No. 189,920

6 Claims. (Cl. 160—348)

5. A drapery support including a tape having a plurality of vertical slits therein and at least one drapery hook having a generally rectangular body-portion with horizontal top and bottom edges and an integral tape securing finger at each end, the rectangular-body-portion of said hook adapted to pass through the vertical slits in said tape whereby to support said tape on one of the horizontal edge-portions, said fingers se-



curing said body-portion to said tape after passing through a slit therein.

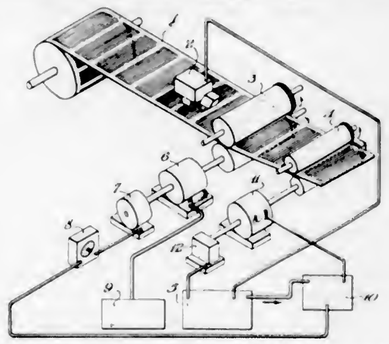
2,599,430

REGISTER CONTROL SYSTEM FOR WEB CUTTING MECHANISMS

Ralph Alberts Beuerman, Kenmore, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

Application March 29, 1950, Serial No. 152,742

1 Claim. (Cl. 164—68)



Apparatus for continuously cutting predetermined lengths from a web having a succession of like designs or indicia thereon, the point of cut being in register with the design or indicia, comprising in combination a cutter blade, an electric cutter motor driving said cutter blade cooperating positively driven feed rolls positioned to feed to said cutter blade continuous web having a succession of spaced designs or indicia thereon, an electric feed roll motor driving said feed rolls, a tachometer generator driven by said feed roll motor operative to generate a current of a reference voltage directly proportionate to the speed of said feed roll motor, an electronic amplidyne generator energized by said current at said reference voltage and arranged to furnish electric power of predetermined voltage to operate said cutter motor at a constant speed which is in predetermined ratio to the speed of the feed motor whereby to cut lengths of web of predetermined size from the continuous web, photoelectric tube web scanning means operative to indicate the position of the web, photoelectric tube means operatively associated with said scanning means to indicate the position of the cutter blade at the time of cut relative to said design and responsive to out-of-register condition to pass a current of negative polarity into the input of said electronic amplidyne generator, whereby

to retard the speed of the cutter motor by reducing the voltage applied thereto, photoelectric tube means operatively associated with said scanning means to indicate the position of the cutter blade at the time of cut relative to said design and responsive to out-of-register conditions to pass a current of positive polarity into the input of said electronic amplidyne generator, whereby to advance the speed of the cutter motor by increasing the voltage applied thereto whereby to maintain register.

2,599,431

FRUIT JUICE BLEND AND METHOD OF PRODUCING SAME

John A. Bruce, Tampa, Fla., assignor to Prime Products Inc., Tampa, Fla., a corporation of Florida

No Drawing. Application July 25, 1949, Serial No. 106,750

8 Claims. (Cl. 99—105)

1. A juice blend comprising the meat juice and the skin juice of pineapple and grapefruit juice, the ratio of the pineapple juices to the grapefruit juice being within the range of 3:7 to 7:3, the blend having an acidity within the range of 0.72% to 0.76% and having a Brix scale specific gravity value within the range of 14° to 15°.

2,599,432

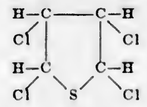
TETRACHLOROTHIOLANE AND METHOD FOR PREPARING THE SAME

Philip D. Caesar, Champaign, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application November 13, 1948, Serial No. 59,973

9 Claims. (Cl. 260—332.5)

9. 2,3,4,5-tetrachlorothiolane having the formula:



and having a melting point of about 112° C. within a range of about 2° C.

2,599,433

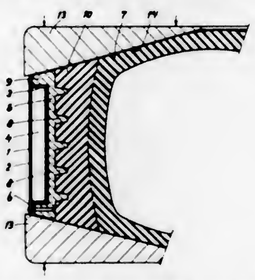
APPARATUS FOR RETREADING RUBBER TIRES

Lezer Heyman Cohen, Amsterdam, Netherlands

Application July 9, 1947, Serial No. 759,855

In the Netherlands August 13, 1946

8 Claims. (Cl. 18—18)



7. Apparatus for retreading rubber tires, comprising a plurality of continuous annular heating chambers each having a substantially rectangular cross section and formed from a continuous circular strip of sheet metal and a continuous sheet metal channel member secured along its free edges thereto, said strip being of sufficient axial width to provide portions extending beyond the said channel member at each side thereof, a plurality of annular matrices formed from cast light metal, provided with a tread design on its inner surface and divided along radial planes into a plurality of segments each having raised edges on both sides of the tread design, and fastening means securing said segments to one side of the circular strip of each of said chambers and passing through said raised edges and through the portions of said strip on both sides of said channel members.

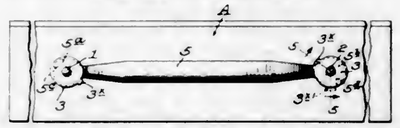
2,599,434

REMOVABLE HANDLE

Edith F. Crane, Poughkeepsie, N. Y.

Application April 11, 1949, Serial No. 86,677

4 Claims. (Cl. 16—114)



1. In combination with a box having spaced pins on one face thereof provided with heads spaced from said face; a handle bar having extensions at its ends contacting the face of the box, one extension having a slot extending inwardly from its outer end along the axis of the handle and receiving one of the pins when the extension is inserted between the related head and the box face, the other extension having a slot extending inwardly from one side thereof and normal to said axis and receiving the other pin when the extension is inserted between the related head and the box face; and means for preventing withdrawal of the latter mentioned extension when the other pin is engaged in the slot, said means comprising a washer rotatably mounted on the other pin overlying the extension and having a downturned lip adapted in locked position to contact the side of the related extension opposite from the slotted side.

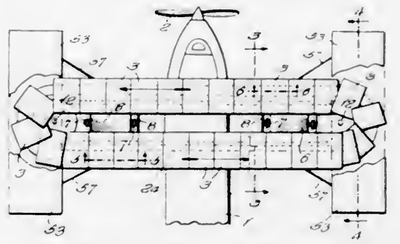
2,599,435

AIRCRAFT

James S. D. Cumming, Gumwood Farms, Hampton, Va.

Application April 5, 1948, Serial No. 19,145

1 Claim. (Cl. 244—4)



An improvement in aircraft comprising a fuselage, propelling means for said fuselage, a series of planes, an elongated support extending laterally from said fuselage, pulleys rotatably supported at each end of said support, endless belts ex-

tending around said pulleys, means for supporting each plane on a slant relative to said support and connected to and driven by said belts for movement therewith with the uppermost edge of each plane being the leading edge, means for guiding said endless belts longitudinally of said support in two oppositely directed straight parallel lines, means for driving said pulleys, a pair of streamlined covers each supported at an end of said support and covering said planes when moving around said pulleys and means for guiding said aircraft.

2,599,436
SALT BLOCK
William B. Dancy, East Point, Ga., assignor to International Minerals & Chemical Corporation, a corporation of New York
No Drawing. Application August 15, 1950, Serial No. 179,649
6 Claims. (Cl. 99—2)

1. A process for preparing an animal salt block which comprises mixing 100 parts by weight of salt with between about 1.25 and about 5.0 parts by weight of magnesium oxide, adding to the resulting mixture sufficient amounts of magnesium chloride and water so that the resulting mixture will contain between about 2 and about 3 parts by weight of between about 18% and about 22% aqueous magnesium chloride solution per part of magnesium oxide, and allowing the mixture to harden in block form.

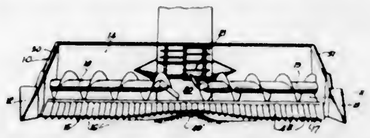
2,599,437
SWITCH
John B. Dickson, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 24, 1948, Serial No. 51,098
8 Claims. (Cl. 200—67)



1. A switching device for regulating a lighting system comprising a tubular member closed at both ends and having a pair of opposed slots intermediate said ends, electrical contact elements having portions disposed within said tubular member, a resilient member within said tubular member between said closed ends and disposed in a bowed position to electrically contact one of said contact elements, said resilient member being adapted to be disposed in another bowed position to electrically contact another of said contact elements, opposed ears secured to said resilient member and having one thereof extending into one of said slots, and means adapted to engage said ears and to urge the same in substantially the direction of the length of said tubular member to effect movement of said resilient member from one bowed position to another.

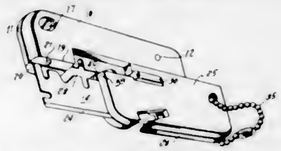
2,599,438
FLOATING CUTTER BAR FOR HARVESTERS
Rexford D. Downing, Moline, Ill., and Clarence C. Evers, Davenport, Iowa, assignors to International Harvester Company, a corporation of New Jersey
Application October 28, 1948, Serial No. 56,992
2 Claims. (Cl. 56—158)

1. In a harvester platform comprising a supporting structure, an auger carrying trough mounted on said supporting structure, a cutting mechanism along the leading edge of the platform supporting structure, lengthwise disposed yieldable members arranged in spaced apart position and connected at one end to the underneath portion of the trough and at the other end to the supporting structure, guard fingers carried at the forward edge of the supporting struc-



ture, a reciprocable knife operable through said guard fingers, and spring strip members arranged in side-by-side relationship and attached at their forward ends to the guard fingers and adapted to extend rearwardly over said auger trough, said knife adapted to flex with the yieldable members in response to contact with uneven ground contour.

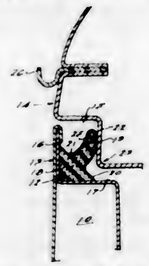
2,599,439
SHEATHED RAZOR BLADE HOLDER
Howard T. Drake, Dallas, Tex.
Application July 31, 1950, Serial No. 176,784
6 Claims. (Cl. 30—151)



6. In a blade holder, a blade having two cutting edges and a longitudinal slot extending therebetween, a pair of members adapted to be rigidly secured to said blade to cover one of said two cutting edges, said members having extensions parallel to the sides of said blade and extending toward the central longitudinal axis of said blade, a third member provided with a rib adapted to pass through said longitudinal slot and terminating in a flange which extends parallel to said blade; and a fourth member having a slot in which said rib engages, said third and fourth members being adapted to be slidably disposed on opposite sides of said blade to cover the other of said two cutting edges.

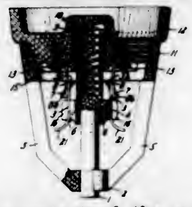
2,599,440
METHOD FOR INSTALLING RESILIENT SEALS
John C. Dudley, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 31, 1948, Serial No. 5,662
2 Claims. (Cl. 20—69)

1. The method of applying a resilient sealing strip formed from material subject to checking to a supporting member comprising positioning said strip on said supporting member, stressing portions of said strip to cause the strip to conform to the shape of the supporting member, fastening the strip to the supporting member to retain the strip in the stressed, shape conforming condition, and immediately thereafter coating the exposed surfaces of the more highly stressed portions of the strip with a film of air impervious material that is flexible and check-proof, said coating being applied within the time required



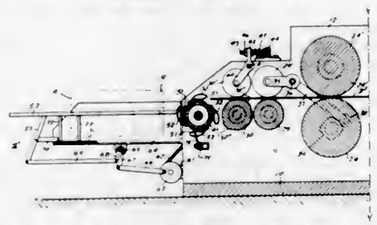
for the sealing strip to check after its installation on said supporting member.

2,599,441
THERMOCONTACT OR FUSE FOR ALARM PURPOSES
Olof Ingemar Harald Ekman, Stockholm, Sweden
Application February 23, 1950, Serial No. 145,629
In Sweden October 14, 1947
11 Claims. (Cl. 200—142)



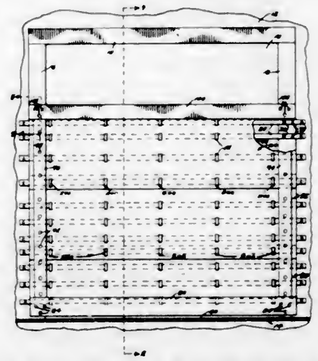
1. A thermo-contact of the normally closed supervisory circuit type for automatic fire alarm plants, comprising, a pair of contacts, said contacts being joined together with a solder meltable at a temperature at which the alarm is desired to be given, a spring member loading at least one of said contacts in such manner as to effect separation thereof from the other contact upon melting of said solder to open said supervisory circuit, and means for testing said spring comprising means engageable with the spring and actuatable by an operator to displace the spring in a direction counter to the contact loading direction.

2,599,442
APPARATUS FOR STACKING CARTON BLANKS
Alois Essex, Glendale, Elmer E. Garrett, Freeport, and John Kallenberg, Stewart Manor, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application March 4, 1950, Serial No. 147,646
6 Claims. (Cl. 271—71)



1. Means for stacking blanks having lateral notches intermediate their ends comprising a gripper roll having at least one gripper on its periphery, means to rotate the roll, delivery means operating in timed relation to the roll to insert a blank in the gripper on each rotation of the roll, a pair of parallel rods disposed with one end in the path of the notches in a blank carried by the gripper and operative to strip the blank from the gripper, a reciprocative hook associated with each rod operative to advance the stripped blank along the rods, and means for reciprocating the hooks in time relation to the passage of the gripper across the rod ends.

2,599,443
CLOSURE MEANS FOR GRAIN CAR DOORWAYS
Barton H. Ford, Edwin J. Ford, and Michael J. Ford, Omaha, Nebr.
Application September 24, 1949, Serial No. 117,602
6 Claims. (Cl. 160—368)



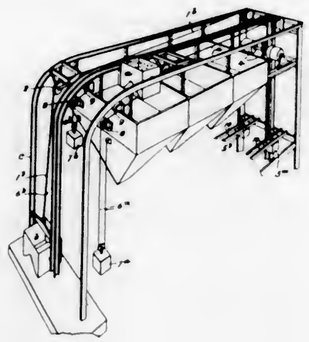
1. In a grain door for a railway car having a floor with at least one side wall having a door opening therein and having vertically disposed frame members on the sides of said door opening, a lower closure section comprising spaced parallel horizontally positioned bars having spaced nail holes in the ends adapted to be positioned against the inner surfaces of the said vertically disposed frame members, and a covering sheet having outwardly extended flaps extended from fold lines spaced from the ends and lower edge carried by said bars and positioned with the ends of the bars extended beyond the fold lines between said covering sheet and flaps, said flaps at the ends of the covering sheet positioned against the ends of the bars with the parts in operative position to form a closure, said flap on the lower edge of the covering sheet positioned to engage the floor of the car, and an upper closure section comprising spaced parallel horizontally disposed bars having spaced nail holes in the ends also adapted to be positioned against the inner surfaces of the said vertically disposed frame members, and a covering sheet having outwardly extended flaps extended from fold lines spaced from the ends carried by the bars of the said upper section and also positioned with the ends of the bars extended beyond the fold lines between the covering sheet and said flaps, and said flaps positioned against the ends of the bars with the parts in the operative position, the lower edge of the said covering sheet of the upper section overlapping the upper edge of the covering sheet of the said lower section with the sections assembled to provide a closure for the said door opening.

2,599,444

APPARATUS FOR RAISING AND TRANSPORTING LOADS

Robert Chalmers Gavin, Westminster, England, assignor to Humphreys & Glasgow Limited, Westminster, England

Application January 7, 1947, Serial No. 720,609
In Great Britain January 17, 1946
2 Claims. (Cl. 104—175)



1. A traversing skip hoist comprising twin pairs of tracks, each pair having a substantially vertical portion and a substantially horizontal portion and a carriage running on each horizontal portion of the track adapted to guide the haulage rope of the related skip while said skip is traversing the vertical portion of the track; a skip on each pair of tracks; a reversible winch at the outer ends of the horizontal portions; a haulage rope from each skip to said winch, the ropes being wound on the winch in opposite directions and being of such length that the skips travel the vertical track portions simultaneously in opposite directions, and that the downwardly-bound skip rests at the bottom of its vertical track portion during the entire horizontal run of the other skip; weighted means on each haulage rope to take up the slack due to unwinding after the downwardly-bound skip bottoms at the end of its downward travel; each weighted means comprising a bight in each haulage rope between its associated skip and said winch; a tension weight suspended in said bight; and a stationary stop adapted to limit upward movement of the tension weight while the related skip is traversing the vertical portion of its track; and retracting means yieldably urging the return of each skip to its vertical track portion from the horizontal track portion, each retracting means comprising pulley guides between the tracks of each pair near the junction of the vertical and horizontal portions thereof; a rope through each set of guides attached at one end to its associated skip; and a counterweight attached to the other end of each rope opposing the pull of the winch so that the pull of the counterweight yieldably urges the skip toward the junction of the horizontal and vertical portions, thereby serving to return the skip toward the junction while on the horizontal portion and also serving as a counterweight when the said skip is on the vertical portion of its track.

2,599,445

DENTAL PREPARATION AND METHOD OF MAKING IT

Elliot Gordon, Norwood, Mass., assignor to Rower Dental Mfg. Corp., Boston, Mass., a corporation

No Drawing. Application March 30, 1950, Serial No. 153,003
4 Claims. (Cl. 106—35)

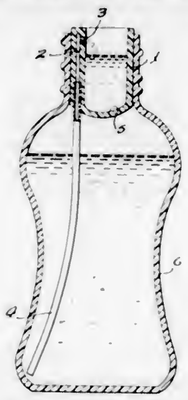
1. A dental preparation for cavity lining and pulp capping consisting essentially of water soluble methyl cellulose, water, and calcium hydroxide mixed together and in the form of a paste, said methyl cellulose constituting 2 to 5% by weight of said preparation.

2,599,446

RESILIENT WALLED SUPPLY CONTAINER WITH CONNECTED MEASURING TRAP CHAMBER

Norman Greene, New York, N. Y.

Application April 6, 1950, Serial No. 154,321
2 Claims. (Cl. 222—205)



1. In a container having flexible side walls and having a neck, the combination of a reservoir fitted in the neck of the container and having side channel means and a top opening, tube means extending from the bottom of the container to said channel means, the channel means opening into the upper part of the reservoir, and means for closing the reservoir from the interior of the container except through said tube means, whereby squeezing of said side walls forces liquid upward through the tube and channel means into the reservoir.

2,599,447

HAIRPIN

Frank G. Hall, Chicago, Ill., assignor to Halgar Incorporated, Chicago, Ill., a corporation of Illinois

Application January 26, 1952, Serial No. 268,359
6 Claims. (Cl. 132—50)



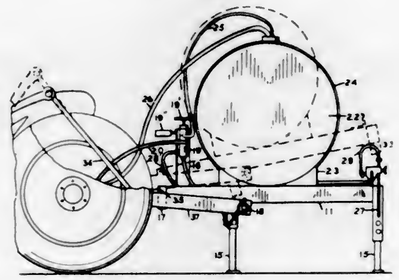
1. A hair pin comprising spaced apart, generally parallel, rectilinear, long and short legs, joined at one end by a spring loop, the free end of the short leg terminating in a relatively straight portion inwardly inclined toward and held against the long leg short of the end thereof by the tension of the spring loop the long leg extending beyond the free end of the short leg a distance to permit flatwise pressure of the finger of the user relative to said long leg without contact with the short leg, the short leg being of substantially greater width than the long leg to provide a handle more easily contacted by the fingers of the user.

2,599,448

SPRAYING ATTACHMENT FOR TRACTORS

William Howard Hamilton, Rome, and Scott Causey Hampton, Jr., Adairsville, Ga.

Application August 22, 1951, Serial No. 243,122
6 Claims. (Cl. 299—30)



1. In a spraying attachment for a tractor having hydraulically operating lifting forks and a power take-off shaft, an H-shaped frame, a central support mounted at the center of said frame, rear supports mounted on the rear ends of said frame, attaching lugs on the front ends of said frame forming channels open at the top for receiving said lifting forks, a pivot rod mounted beneath said frame and having ends projecting beyond the sides thereof for pivotally attaching said frame to said lifting forks, a drum for liquid to be sprayed mounted transversely upon said frame, a pump arranged to receive power from said power take-off shaft and having an inlet connected to said drum, a nozzle support beam mounted transversely across the rear ends of said side frame members, nozzles supported upon said beam, said beam having foldable end sections, said nozzles being connected to receive liquid from said pump, and a valve connected to control flow of liquid from said pump to said nozzles.

2,599,449

METHOD OF REACTIVATING ALKALI SOLUTIONS USED IN TREATMENT OF HYDROCARBON OILS

John Happel, Brooklyn, and Stephen P. Cauley, Garden City, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application May 16, 1945, Serial No. 594,159
4 Claims. (Cl. 23—184)

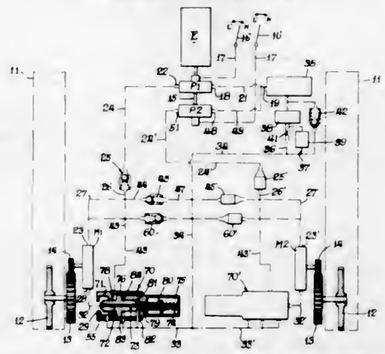
1. The method of reactivating alkali solution which has been used to extract weakly acidic sulfur compounds from hydrocarbon oil comprising contacting said solution with an oxidizing gas containing free oxygen in the presence of a substance containing a substantial portion of an aromatic compound containing only three hydroxyl groups, all of which are attached to a single benzene ring in positions immediately adjacent to each other for such limited time that such weakly acidic sulfur compounds are oxidized to an extent that only a small portion thereof remains sufficient to substantially reduce any portion of said aromatic compound that may become oxidized.

2,599,450

ROTARY PUMP AND MOTOR HYDRAULIC TRANSMISSION SYSTEM

William W. Henning, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application June 20, 1947, Serial No. 756,074
4 Claims. (Cl. 60—53)



1. In a hydraulic power transmission system for driving a propellable and brakable unit, a variable capacity pump having an inlet communicative with a low pressure section of said system and an outlet connected with a high pressure section of such system, a hydraulic motor drivingly connected with said unit, said motor having an inlet connected with the high pressure section of the system and an outlet connected with the low pressure section of the system, a braking valve interposed between the outlet side of the motor and the low pressure section of the system, means including a fluid operated device energized by the pressure of fluid discharged from the motor outlet tending to close said valve, means responsive to the transmission of fluid under pressure from the pump to the motor for opening the braking valve, and a check valve connected between the motor inlet and the low pressure section of the system for supplying fluid to the motor independently of the pump.

2,599,451

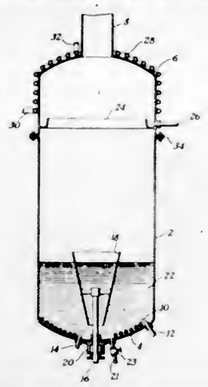
VACUUM BODYING PROCESS

Kenneth Claude Devereux Hickman and Edward S. Barnitz, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 4, 1949, Serial No. 97,207
2 Claims. (Cl. 260—407)

1. The process of bodying a substantially unpolymerized glyceride oil containing polymerizable constituents polymerizing at a temperature of 270°–375° C., which process comprises heating a body of said substantially unpolymerized glyceride oil to a temperature of 270°–375° C., maintaining said oil at said temperature for a period of 2–12 hours, and subjecting said oil substan-

tially throughout said period to a pressure below 1 mm., said temperature and pressure being correlated to cause distillation of said oil effective to remove thermal decomposition products as said



products are formed and to remove unpolymerizable constituents originally present in said oil and thereby to reduce said oil to from 20–80% of its original weight.

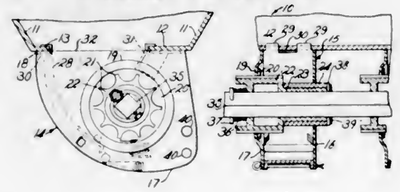
2,599,452

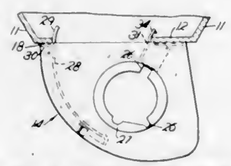
SEED MECHANISM FOR GRAIN DRILLS

John Higginson, Hamilton, Ontario, Canada, assignor to International Harvester Company of Canada, Limited, Hamilton, Ontario, Canada, a corporation of New Jersey

Application June 23, 1949, Serial No. 100,919

4 Claims. (Cl. 222—274)





1. In a grain drill or the like including an elongated grain hopper having spaced openings in the bottom thereof for dispensing seed, a drive shaft parallel to and below the hopper and grain discharging mechanisms, one for each opening in the hopper bottom mounted on the shaft to be simultaneously driven thereby, wherein each said mechanism comprises a casing having spaced parallel side walls, a grooved roller journaled in said casing and mounted on said shaft for rotation therewith, an arcuately formed seed-carrying shell between the walls of the casing with its lower edge terminating adjacent the lower portion of the grooved roller, a shut-off block between the casing walls opposite said shell having its lower portion above and extending to a location adjacent said roller, and means for quickly attaching the discharging mechanisms and the drive shaft to the hopper bottom comprising lugs formed on the shell and the shut-off block extending upwardly therefrom, said lugs being bent at right angles to engage the hopper bottom at the marginal edges of the hopper opening in clamping relation, with at least one lug on the shell and one lug on the shut-off block engaging the outer surface of said hopper bottom, and the remainder of the lugs engaging the inner surface of said hopper bottom, said lugs engaging the outer surface of the hopper bottom being pre-bent, said lugs engaging the inner surface of said hopper bottom being of such material that they can be projected upward into said hopper bottom opening and then bent to engage said inner surface of the hopper bottom.

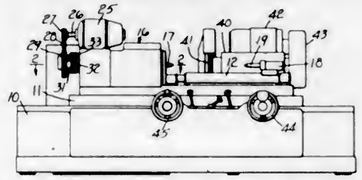
2,599,453

CAM GRINDING MACHINE

Russell P. Hook and Clarence J. Green, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application May 5, 1950, Serial No. 160,344

5 Claims. (Cl. 51—101)



1. In a cam grinding machine having a pivotally mounted rock bar, a rotatable master cam spindle thereon, a master cam on said spindle, a rotatable master cam follower roller, means to rotate said spindle, and a rock bar actuating mechanism comprising a piston and cylinder operatively connected to move the rock bar to and from an operative position and to maintain the master cam in operative engagement with the follower roller with the desired operating pressure during rotation of the master cam, a control valve to control the admission to and exhaust of fluid from said cylinder, and a fluid accumulator operatively connected to said cylinder to facilitate displacement of fluid from the cylinder caused by the rocking movement of said rock bar due to rotation of the master cam during a grinding operation so as to maintain the master cam in operative engagement with the follower roller with the desired pressure.

2,599,454

STRUCTURAL PHOTOGRAPHIC ARRANGEMENT FOR OBTAINING THREE-DIMENSIONAL IMAGES

Victor Hudeley, Clichy, France

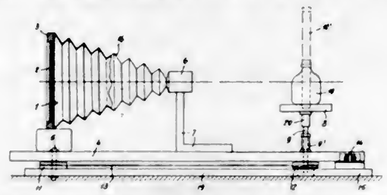
Application October 18, 1948, Serial No. 55,188

In France October 23, 1947

6 Claims. (Cl. 95—18)

1. A structural arrangement for obtaining three-dimensional photographic images comprising a stationary frame adapted for carrying a sensitive layer and a screen of vertically disposed lenticular elements, an objective for forming an image of the subject to be photographed on the sensitive layer, means for imparting to the objective and the subject to be photographed a rotary motion about an axis substantially coinciding with the plane of said frame, and means for imparting to the subject to be photographed

a rotary motion equal to and in reverse to said rotation of said objective and said subject and



about an axis in parallel relationship to the former and through its centre.

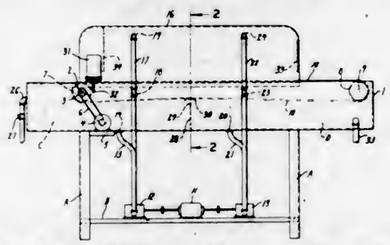
2,599,455

GLASS WASHING MACHINE

Henry C. Husemann, St. Louis, Mo.

Application July 31, 1948, Serial No. 41,775

1 Claim. (Cl. 134—130)



A glass-washing machine comprising pairs of water-ejecting elements for simultaneously cleansing the interior and exterior of the glasses being washed, a movable member on which said glasses are carried to positions for said simultaneous interior and exterior cleansing, means for continuously moving said movable member, and means for continuously supplying water to said pairs of elements, said movable member being located between one element of each pair of water-ejecting elements and the glasses being washed, and being formed of a multiplicity of small spiral springs to permit passage of water from one element of each of said pairs of elements therethrough and simultaneously convert such water into a whirling mist.

2,599,456

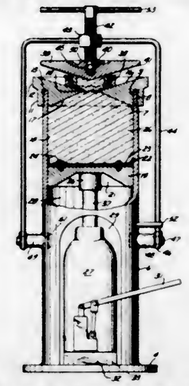
GREASING APPARATUS

Roger G. Ivie, Oakland, Calif.

Application June 2, 1947, Serial No. 751,883

2 Claims. (Cl. 184—1)

1. In ball and roller type bearing greasing apparatus provided with a cylinder enclosing a chamber for grease and having a piston in said chamber, a cap member provided with a centrally disposed substantially unobstructed discharge port on one end of said cylinder through which grease may be forced on movement of said piston, said cap member having a conically shaped depression bordering said discharge port, a non-ported clamp plug overlying said cap member depression and having a portion thereof shaped complementary with said depression between which and the surface of the depression a bearing may be engaged and positioned in substantial axial alignment with said discharge port, means remote from said cap member and said discharge port for imparting unidirectional motion to said clamp plug thereby selectively urging said plug toward and away from said bearing, and said complementary portion of the clamp plug and



the surface of said depression cooperating to form a sealing closure for said chamber when no bearing is placed therebetween.

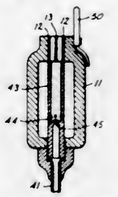
2,599,457

PILOT AND MAIN BURNER UNIT

Edwin A. Jones, Harrison Township, Montgomery County, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 6, 1946, Serial No. 674,886

3 Claims. (Cl. 158—115)



1. A main and pilot gas burner assembly comprising a hollow body defining a chamber and having a plurality of burner ports communicating with said chamber and extending through said body, said body having an orifice for the admission of primary air to said chamber, means for admitting a main gas supply to said chamber for mixture with said primary air supply, a tubular pilot member extending through said body and into said chamber and having an outlet end located adjacent some of said ports, said tubular member having openings therethrough communicating with said chamber and having means including a jet orifice located within said member upstream of said openings adapted to deliver a high velocity flow of gas past said openings to induce a mixture of air and gas from within said chamber to enter said pilot member through said openings to sustain a pilot flame at said end of said pilot member.

2,599,458

AUTOMATIC CONTROL FOR WELLS

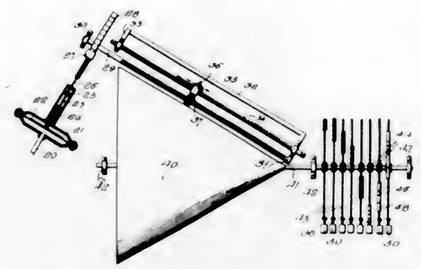
Earl Wooten Jones, Abilene, and Leffel Ewing Gray, Jr., Granger, Tex.

Application October 19, 1949, Serial No. 122,294

12 Claims. (Cl. 137—78)

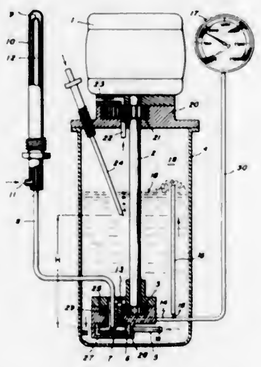
1. A flow controller for a series of wells comprising means for metering in predetermined

measures the fluid from said wells, control means for releasing desired amounts of fluid from each of said wells at a time, and a variable reduction



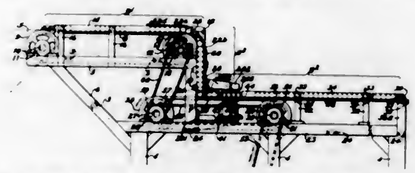
drive operatively connecting said metering means to said means for controlling the production of liquid.

2,599,459
TEMPERATURE RESPONSIVE MEASURING AND INDICATING APPARATUS
Karl Torsten Källe, Saffle, Sweden
Application July 12, 1949, Serial No. 104,363
In Sweden April 7, 1948
5 Claims. (Cl. 73—357)



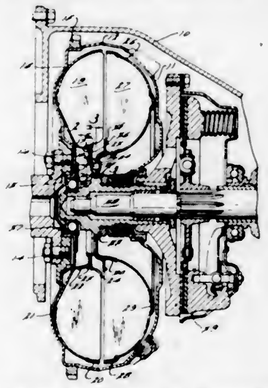
1. An indicating apparatus for measuring temperatures and the like, comprising a hollow member having a capillary inlet adapted to be passed by a gas flow, a compressor pump, a gas conduit connecting said pump to said member, said compressor pump having a liquid inlet tube on the suction side thereof, said gas conduit ending in the liquid tube whereby a mixture of gas and liquid is pumped by said pump, the pressure in the gas conduit determining the volumes of liquid and gas passing the compressor pump, a conduit connected to the pressure side of said compressor pump, a restricted outlet for gas and liquid connected into said conduit, a pressure indicating instrument communicating with said conduit from said pressure side, the length and width of said liquid inlet on the suction side of said compressor pump being so dimensioned with respect to one another as to compensate for a varying viscosity of the liquid by causing a frictional resistance accommodated to the resistance in the restricted outlet from the pressure side.

2,599,460
CLEAT FEEDING MECHANISM
David G. Kingsley, Mountain Lakes, and Clifford J. MacNamara, Dover, N. J., assignors to Stapling Machines Co., Rockaway, N. J., a corporation of Delaware
Application January 14, 1949, Serial No. 70,868
5 Claims. (Cl. 1—8.2)



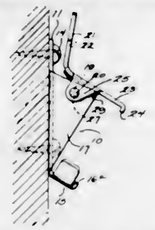
1. Cleat feeding apparatus for feeding cleats to a stapling machine having cleat-pushing elements moving along a path and cleat-supporting means extending parallel to said path for supporting cleats moved by said elements, in combination, upstanding side guides holding against lateral movement cleats stacked above and aligned with said cleat-supporting means, an upstanding end guide for preventing forward movement of all but the bottom of said stack of cleats, whereby as successive cleat-pushing elements engage successive bottom cleats said cleats are moved from beneath the stack, a stationary cleat-supporting surface positioned above said cleat-supporting means rearward of the vertical center line of said stack of cleats and below the path of said cleat-pushing elements for maintaining the rearward end of the bottom cleat of the stack above said cleat-supporting means while leaving its forward end on the cleat-supporting means, thereby to cause the successive cleat-pushing elements to engage the ends of the successive bottom cleats below the top edges thereof.

2,599,461
FLUID COUPLING ELEMENT
Olavi M. Koskinen, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 23, 1948, Serial No. 3,996
5 Claims. (Cl. 103—115)



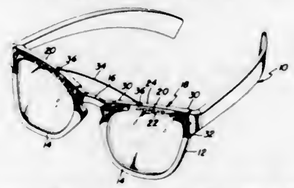
1. A fluid coupling element including a vane carrier having a dished section and an inner diameter and an outer diameter, a plurality of radially extending circumferentially spaced vanes seated in said dished section and secured to the carrier adjacent said outer diameter, said carrier adjacent said inner diameter defining in cross-section an axially opening channel, and a vane retainer secured to said carrier defining in cross-section an axially opening channel nesting said carrier channel and having a plurality of tabs in one channel flange thereof one extending into each space between adjacent vanes at said inner diameter and engaged with one of said adjacent vanes to restrain such vanes against movement under the influence of centrifugal force acting on said carrier during rotation of said one structure.

2,599,462
WALL ATTACHED CLOSURE REMOVER WITH RELEASABLE RETAINER
Arthur Kowarsch, Milwaukee, Wis.
Application August 31, 1950, Serial No. 182,457
1 Claim. (Cl. 81—3.1)



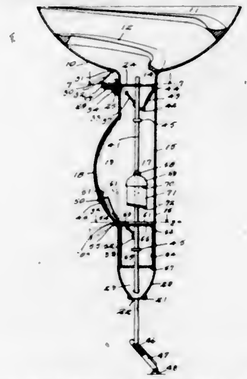
A bottle opener including a narrow elongated base plate adapted for attachment to a vertical wall surface, a pair of triangular elements struck out at right angles from said base plate and arranged in parallel relationship with each other, a relatively short extension from the lower end of said base plate integral therewith and disposed at an obtuse angle relatively thereto, arcuate lateral wings on said extension adapted to embrace the crown cap of a bottle, a short fixed jaw integral with said extension at right angles thereto and disposed intermediately of said lateral wings adapted to hook under a crown cap placed against said triangular members, an axle journalled transversely of said base plate in said triangular members, a lever journalled on said axle for limited movement thereon, a jaw integral with and projecting at right angles to said lever normally oppositely disposed to said fixed jaw, and spring means operable on said lever for urging said lever jaw toward said fixed jaw to retain a crown cap therebetween.

2,599,463
ATTACHMENT FOR EYEGLASSES
Ann E. Lamb, Wildwood, N. J.
Application January 16, 1950, Serial No. 138,910
1 Claim. (Cl. 41—34)



In combination with an eyeglass frame including a pair of spaced rims having top portions and inner and outer sides, an attachment for said rims comprising a pair of elongated ornamental solid separated members for said rims, respectively, each including a flat front wall and a right angled flange on said wall substantially coextensive therewith, said members fitting on said top portions with the front walls extending along said top portions in front of said rims, and said flanges extending over and along said top portions and resting thereon, said flanges having depending inner and outer end portions fitting flat against said inner and outer sides in front of said rims, attaching lugs on the ends of said flanges engaging said top portions in the rear of said rims, terminal attaching lugs on said depending portions engaging the outer sides of said rims in the rear thereof, and an upwardly arched resilient rod connecting said flanges together intermediate the ends of said members.

2,599,464
CITRUS FRUIT JUICER
Robert E. Larsen, Chicago, Ill.
Application March 4, 1946, Serial No. 651,876
13 Claims. (Cl. 100—41)

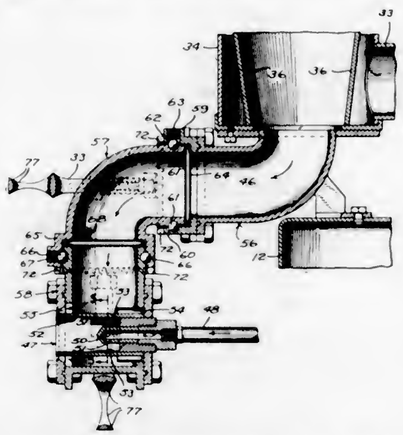


1. A device as described consisting of an orange magazine having a depending tubular chute, a spiral feeder for said oranges in said magazine, an orange holder in said chute, a trap door movably mounted in said chute in the throat of said magazine, an orange squeezer movable in said chute designed to impact an orange against said holder, foot controlled means for actuating said orange squeezer, means controlled by said last-named means for opening said trap door for release of an orange from said magazine into said chute, and means controlled by said squeezer means for ejecting the orange peel after an orange crushing operation.

2,599,465
METHOD AND APPARATUS FOR THE APPLICATION OF MATERIALS
Samuel Letvin, Philadelphia, Pa., and George P. Haynes, Rockville Centre, N. Y., assignors to Thermo Projects, Inc., New York, N. Y., a corporation of New York
Application August 8, 1946, Serial No. 689,158
12 Claims. (Cl. 299—86)

11. Apparatus for producing an aerosol of insecticidal material comprising an atomizer, a container for the material, a pump for delivering material from the container to the atomizer, the pump having a capacity larger than required to supply the material to the atomizer, means for returning the excess material to the container in such manner as to cause the material in the container to move continuously in

rotary motion, means for controlling the quantity of material supplied to the atomizer from the container, a combustion chamber, a fuel reservoir, a pump for supplying fuel to the combustion chamber, valve means for controlling the quantity of fuel supplied to the combustion chamber, a blower for delivering air to the combustion chamber, an internal combustion engine



for operating said pumps and blower, an igniter for igniting the fuel in the combustion chamber to heat the air supplied thereto by the blower, and a conduit connecting the combustion chamber and the atomizer, the conduit being constructed and arranged for universal movement of the atomizer so that the atomized material may be discharged therefrom in any desired direction.

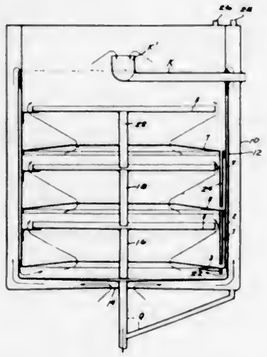
2,599,466

APPARATUS FOR CONTINUOUS CATALYSIS

Jean Lienhart, Paris, France, assignor to Compagnie Francaise De Raffinage, Paris, France, a French corporation

Original application June 27, 1946, Serial No. 679,724. Divided and this application August 19, 1948, Serial No. 45,157. In France May 8, 1943

5 Claims. (Cl. 23—285)



1. A combined liquid decanter and gas separator adapted for use in separating gaseous and two-phase liquid materials which comprises a first outer substantially vertical closed vessel having an inlet aperture at the top and side thereof whereby a mixture of gaseous and two liquid phases may be conducted into the first vessel; an outlet aperture at the top of said vessel whereby disengaged gas may be conducted from said vessel; an outlet aperture at the bottom of the vessel whereby liquid may be discharged from said vessel; a second substantially vertical closed vessel within said first vessel; the top of said second vessel being below said inlet aperture; said second vessel having a plurality of side walls spaced alongside one another and thereby defining a path whereby entering liquid may flow first upwardly between the outermost side wall and that wall adjacent thereto and thence successively in generally reverse directions to the lower central portion of said second vessel; a substantially central inlet aperture in the bottom of said second vessel to permit entrance of liquid thereto; a plurality of vertically spaced trays and baffles within said second vessel to provide a sinuous path for ascending liquid and also defining quiescent zones therein; an outlet aperture in the upper portion of said second vessel for removing light separated liquid both from the first and second vessels and a plurality of conduits passing from uppermost to lowermost trays and baffles respectively for discharging into a central outlet conduit in the bottom of the second vessel whereby heavier settled liquid may be discharged from the second vessel to a zone outside the first vessel.

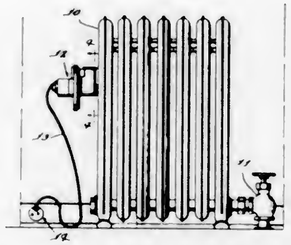
2,599,467

SUCTION DEVICE FOR STEAM RADIATORS

Harvey E. Martindale and William C. Gemuenden, Menominee, Mich.

Application September 11, 1950, Serial No. 184,223

6 Claims. (Cl. 237—9)



1. A suction device for a radiator in a one pipe steam heating system, said device comprising an air vent valve for connection to the valve opening of the radiator, said air vent valve including a thermally actuated valve element, a member movable in response to said valve element, a fan housing and a suction fan therein, said fan housing having an inlet and an outlet, the inlet to said fan housing communicating through a closed passage with the valve element of said air vent valve, an electric motor for driving said fan, a circuit for said motor including a thermostatic switch for making the circuit when the room temperature falls below a predetermined value, whereby said fan withdraws air from the radiator through said air vent valve, and a switch for breaking said circuit upon closure of said air vent valve, said last-named switch being actuated by said member movable in response to said valve element.

2,599,468

NONADECYL GLYCOLS

Charles H. McKeever, Glenside, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application November 17, 1949, Serial No. 127,999

1 Claim. (Cl. 260—635)

A product consisting essentially of a mixture of 9-hydroxymethyl-1-octadecanol and 10-hydroxymethyl-1-octadecanol.

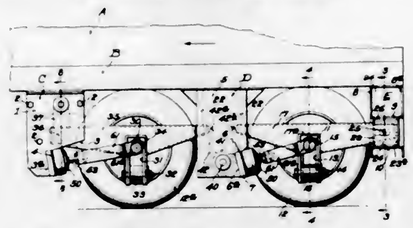
2,599,469

DIFFERENTIAL WHEEL UNIT FOR TRAILERS OR THE LIKE

Edward Chase Merry, Greensboro, N. C., assignor of one-half to Guy M. Turner, Greensboro, N. C.

Application November 22, 1948, Serial No. 61,345

20 Claims. (Cl. 280—104.5)



1. In a trailer having a body provided with side beams; spaced aligned open-ended bracket frames depending below the side beams; horizontal aligned members having their ends entered into adjacent pairs of bracket frames; relatively short axles carried by said members and mounted to pivot transversely thereof, the pivot points being intermediate the ends of and disposed below said axles; single wheels journaled on the respective ends of said axles; means connecting the front end of the forward member to the foremost bracket frame for permitting longitudinal movement therein while preventing lateral movement; means yieldably counteracting lateral movement of the rear end of the forward member and the forward end of the rear member in the intermediate bracket frame while permitting free vertical and longitudinal movement therein; means permitting free lateral and longitudinal movement of the rear end of the rear member in the rear bracket frame while preventing vertical movement; means connecting the adjacent ends of the said members in the intermediate bracket frame whereby as the end of one member rises the end of the other member will correspondingly fall, and vice versa; and towing yokes mounted for yieldable longitudinal and universal movement on the front and intermediate bracket frames and secured to the respective axles.

2,599,470

AXIAL FLOW COMPRESSOR, PARTICULARLY FOR COMBUSTION GAS TURBINE PLANTS

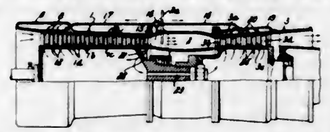
Adolf Meyer, Kusnacht, near Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company

Application July 20, 1948, Serial No. 39,716

In Switzerland October 22, 1947

5 Claims. (Cl. 60—39.09)

1. An axial flow type air compressor comprising a plurality of interleaved rows of stationary and movable vanes, the stationary and movable vanes of at least the first row at the air inlet having interior passageways with ports leading therefrom to the exterior surfaces of the vanes to distribute a film of gaseous fluid over said surfaces, and means for leading said gaseous fluid to the interior passageways of said vanes, said



fluid being at a temperature above that at which ice can be expected to be formed on the vanes as a result of the low temperature of the air at the inlet side of the compressor.

2,599,471

OCTAHYDROPHENANTHRENE CARBOXYLIC ACID ESTERS AND PROCESS OF MAKING SAME

Karl Miescher, Riehen, and Georg Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application March 29, 1948, Serial No. 17,796. In Switzerland April 11, 1947

3 Claims. (Cl. 260—473)

1. A process for the isolation of individual diastereoisomers of 1-keto-2-lower-alkyl-7-lower-alkoxy - 1,2,3,4,9,10,11,12 - octahydrophenan - threne-2-carboxylic acid esters from a diastereoisomeric mixture thereof, which comprises subjecting the diastereoisomeric mixture of the said esters to a fractional crystallization with the aid of acetone.

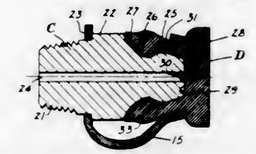
2,599,472

PROTECTIVE DEVICE FOR LUBRICANT FITTINGS

Albert E. Miller, Lakeside, Ohio

Application March 27, 1948, Serial No. 17,557

3 Claims. (Cl. 184—105)



1. A protecting and sealing device for application to a tubular lubricant fitting having a grease gun engaging head at its outer end, a restricted neck portion adjacent said head and a second restricted portion spaced inwardly from said neck portion comprising an elastic rubber cap having a relatively thick head and a socket portion of a size to stretch over and grip the head and neck of said fitting, said cap having an external groove, and a pliant elastic rubber strap provided with openings adjacent its ends to receive the cap and fitting and providing elastic bands adapted to grip the bottom of said external groove of the cap and the inner restricted portions of the fitting.

2,599,473

THERMAL RELAY

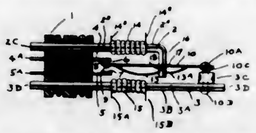
Edwin August Miller, Fairfield, Conn.

Application October 25, 1949, Serial No. 123,338

2 Claims. (Cl. 200—122)

1. A thermal relay snap acting switch device comprising two relatively spaced substantially parallel arms of thermostatic metal strips, each arm having a fixed extremity separately mounted

upon a block of insulation material; relatively spaced stops supported intermediate said arms by said block; an erect support carried by one of said arms adjacent the free extremity thereof; a switch blade member having one extremity mounted upon said erect support and free to move thereon longitudinally of said blade member and free to move at the other extremity between said stops; a spring strip of which the extreme ends are carried by the said blade extremities, said spring strip being normally bowed below the plane of said blade member as said free extremity of said blade member is in contact with the upper one of said stops, said bowed spring strip at an intermediate portion thereof being cut to provide two separate lengths of said strip; and a bent extremity with which the free end



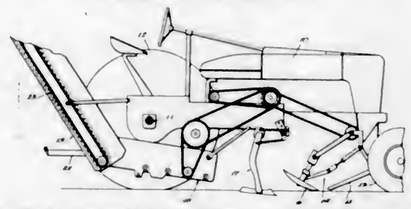
of the other of said thermostatic arms is provided; notches with which the said bent end is provided upon opposite surfaces thereof to receive the cut ends of the said divided spring strip; whereby upon applied heat to said thermostatic arms the free extremity of each arm will be moved in opposite directions thus to co-operate with said longitudinally movable mounting to position said cut ends of said divided spring strip above said plane of said blade member, the said mounted extremity of which is moved downward as the said separate lengths of said divided spring strip snap with respect to said blade member to suddenly move the said free extremity thereof from said upper to the lower of said stops; and a reverse operation of said thermal relay upon the removal of said applied heat from said thermostatic arms.

2,599,474
CHILD CARRIER
Verna S. Mills, Mill Valley, Calif.
Application February 1, 1950, Serial No. 141,753
2 Claims. (Cl. 224—6)



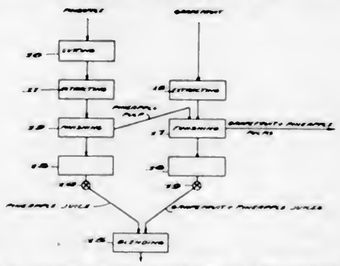
1. A carrier for a child adapted to be worn by a bearer consisting essentially of a vest-back fitting the back of the bearer and having two straps thereon to be extended over each shoulder of the bearer and downwardly to a common narrow junction below the bearer's breasts, the vest-back having a band extending forwardly from the bottom of the vest and about each side of the bearer's waist; and a child carrier portion integrally joined to said junction and having a unitary back thereon fitting the seat and back of a child resting therein and having its legs extended on each side of said junction, and means for releasably securing each side of the back of the child carrier portion to one of the bands on the vest-back on each side of the bearer's waist to position the back of the child carrier portion in a pocket-like position directly in front of the bearer.

2,599,475
BEET HARVESTER LOADING CART
John W. Orendorff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 12, 1948, Serial No. 26,531
8 Claims. (Cl. 55—51)



1. The combination with an open top receptacle and conveying means for delivering thereto root crops such as beets and the like with accompanying dirt and debris, of a generally horizontal conveyor over the opening in the receptacle in the path of the beets and accompanying debris to prevent entrance thereof into the receptacle, a member above the conveyor in the path of the beets and debris discharged thereto, and means carried by the member cooperative with the beets to selectively intercept the latter and prevent them from falling upon the conveyor, said conveyor being arranged to receive the debris and carry it beyond the confines of the receptacle.

2,599,476
METHOD OF PRODUCING A JUICE BLEND
James L. Parker, Tampa, Fla., assignor to Prime Products Inc., Tampa, Fla., a corporation of Florida
Application February 21, 1949, Serial No. 77,670
8 Claims. (Cl. 99—105)

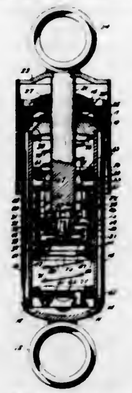


1. The method of producing pineapple juice suitable for a juice blend which includes subjecting the pineapple skin to extraction in the presence of a grapefruit juice so as to wash out the skin juice from the pineapple skin and recovering the pineapple skin juice with the grapefruit juice.

2,599,477
SHOCK ABSORBER
William G. Patriquin, Cleveland, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application March 17, 1950, Serial No. 150,171
3 Claims. (Cl. 188—88)

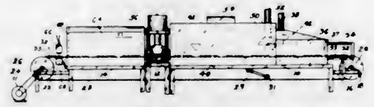
1. In a fluid shock absorber having a cylinder and a piston in the cylinder, said piston and

cylinder having relative reciprocation during impact and recoil strokes, said piston having an opening along the side thereof cooperating with the cylinder walls to provide a fluid passage through which fluid passes during said relative reciprocation, and an annular valve member supported in said cylinder in sealing engagement



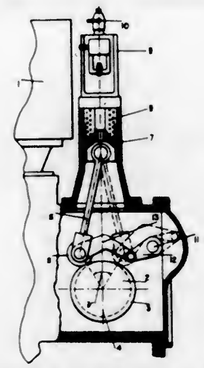
with the cylinder walls and engageable by said piston after a predetermined degree of relative movement between said piston and cylinder during one of said strokes for closing said passage, said valve member having the surface thereof facing the adjacent end of said cylinder tapered inwardly toward the axis of said valve and from said cylinder end.

2,599,478
APPARATUS FOR MAKING DEVICES WHICH HAVE SELENIUM AS CONSTITUENT PARTS THEREOF
Carl E. Peters, University City, David W. Rau, Kirkwood, and August H. Bruemmer, St. Louis, Mo., assignors to Vickers, Incorporated, a corporation of Michigan
Application March 15, 1948, Serial No. 14,906
13 Claims. (Cl. 118—59)



13. A machine for applying selenium to base plates that comprises an advancing means for providing advancements of uniform length and for providing rests of uniform duration, said advancing means extending through said machine, a first section that includes a loading area, a chamber and a source of heat for said chamber, said source of heat for said chamber being adapted within a period of time which is an integral multiple of said period of duration of rest to heat said base plates carried by said advancing means, said advancing means extending through said first section, a second section adjacent and contiguous to said first section, said second section containing a powder distributor disposed above said advancing means, said distributor being dimensioned to supply powder for said base plates during said advancements, said advancing means extending through said second section, a third section adjacent and contiguous to said second section, said third section including a press that has a fixed platen and a movable platen, said press acting during a period of time which is an integral multiple of said period of duration of rest to press said base plates, said advancing means extending through said third section, a fourth section adjacent and contiguous to said third section, said fourth section including an oven chamber, a source of heat for said oven chamber, and an unloading area, said source of heat for said oven chamber being adapted within a period of time which is an integral multiple of said period of duration of rest to heat said base plates, said advancing means extending through said fourth section, a time-controlled means to actuate said advancing means, means controlled by the time-controlled means for moving said movable platen of said press; and a second means that responds to the position of said advancing means to halt said advancing means, said advancing means and said press being synchronized whereby said press is opened whenever said advancing means moves and is closed whenever said advancing means is at a rest.

2,599,479
REVERSING ARRANGEMENT IN TWO-STROKE ENGINES
Ove Petersen, Gentofte, Denmark
Application February 4, 1947, Serial No. 726,407
In Denmark February 6, 1946
1 Claim. (Cl. 123—41)



In a two stroke internal combustion engine, a cam shaft rotating in synchronism with the engine, a fuel pump cam on said shaft, said cam having symmetrical ascending and descending operating cam surfaces substantially joined at their lower ends and a circular cam surface concentric with said shaft joining their upper ends, an exhaust valve cam on said cam shaft, said latter cam having symmetrical ascending and descending operating cam surfaces substantially joined at their upper ends and a circular cam surface concentric with said shaft joining their lower ends, a fuel pump having a member reciprocable in a line substantially perpendicular to said cam shaft, a fuel pump tappet hingedly connected at one end to said reciprocable member, a roller rotatably mounted on the other end of said tappet and engaging said fuel pump cam, an exhaust valve operating member having a portion reciprocable approximately in a line perpendicular to said cam shaft, an exhaust valve tappet hingedly connected at one end to said portion of the exhaust valve operating member, a roller rotatably mounted on the other end of said exhaust valve tappet and engaging said exhaust valve cam, an oscillatable control shaft parallel to said cam shaft, two arms on said

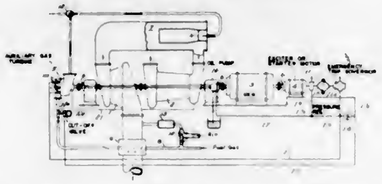
control shaft, linkage connecting said arms respectively with the roller ends of said tappets to swing said tappets from one to another of two operative positions disposed on opposite sides of straight lines joining the hinged ends of said tappets respectively with the axis of said cam shaft upon predetermined angular movement of said control shaft, the effective length of one of said arms being greater than that of the other, whereby one of said tappets is moved through a greater angular displacement than the other by the same angular movement of the control shaft.

2,599,480

GAS TURBINE POWER PLANT HAVING AUXILIARY TURBINE DRIVEN BY FUEL GAS BEING SUPPLIED TO THE COMBUSTION CHAMBER

Hans Pfenninger, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company

Application April 2, 1947, Serial No. 739,017
In Switzerland April 3, 1946
5 Claims. (Cl. 60—39.14)



1. In a power plant, the combination comprising a main gas turbine, a compressor mechanically coupled to said turbine, a combustion chamber, the outlet of said compressor being connected to said combustion chamber, and the latter being connected to the inlet of the main turbine, an auxiliary gas turbine mechanically coupled to said main turbine and compressor, adjustable valve means at the gas inlet to said auxiliary turbine for controlling the gas flowing through said turbine from a source of gaseous fuel having a delivery pressure higher than the operating pressure of said combustion chamber, pipe connections between the outlet from said auxiliary turbine and said combustion chamber, valve means in said pipe connections for selectively exhausting the fuel gas to atmosphere to facilitate plant starting by said auxiliary turbine, and means responsive to plant load for adjusting said gas inlet valves at said auxiliary turbine to regulate the rate at which fuel gas is delivered to said auxiliary turbine.

2,599,481

REDUCTION OF STEROID EPOXIDES

Placidus Plattner, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products Inc., Summit, N. J.

No Drawing. Application September 22, 1949, Serial No. 117,275. In Switzerland September 28, 1948
9 Claims. (Cl. 260—397.1)

1. A process for the preparation of a hydroxy steroid compound, which comprises subjecting the corresponding steroidal vicinal epoxide to the reductive action of a member selected from the group consisting of alkali metal-aluminum hydride and alkali metal-boron hydride, as reducing agent, whereby reductive splitting of the epoxide group takes place.

2,599,482

SEPARATION OF PRODUCTS OBTAINED FROM ISOBUTYLENE-NITROSYL CHLORIDE ADDUCT

Erhard John Prill, Cresskill, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application July 29, 1948. Serial No. 41,393
3 Claims. (Cl. 202—42)

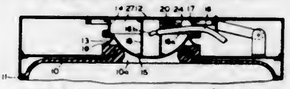
1. A process for the separation in purified form of at least one of the components of the mixture of products formed when isobutylene-nitrosyl chloride adduct is dehydrochlorinated and dehydrated, which process comprises adding water to said mixture to be separated and fractionating the aqueous mixture thus obtained, distilling off at least the methacrolein component and substantially all of the methacrylonitrile component as their aqueous azeotropes, and throughout the period of distillation maintaining water present in the mixture of products undergoing separation.

2,599,483

WASHING MACHINE

Henry J. Rand, Bratenahl, Ohio, assignor to H. J. Rand Washing Machine Corp., Bratenahl, Ohio, a corporation of Delaware

Application January 31, 1948, Serial No. 5,628
8 Claims. (Cl. 68—21)



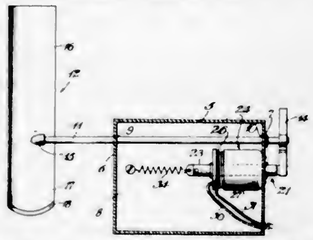
1. In a washing machine having a flexible liquid- and air-tight bag within which laundry and liquid detergent may be placed and having means for withdrawing liquid and air from the interior of said bag creating a substantial vacuum therein to cause the latter to collapse against the laundry to squeeze out the detergent by pressure on the outside of said bag, said bag having an open neck and a cover closing said neck, there being a planar seal between said bag neck and said cover permitting fluid flow outwardly only, a passageway communicating between the interior of said bag and atmosphere, a valve controlling flow in said passageway, a conduit for introducing liquid into said bag, said conduit terminating above the plane of said seal, and an operative connection for said valve responsive to liquid flow into said bag and so constructed and arranged that it opens said valve responsive to said liquid flow to release said vacuum.

2,599,484

STEERING CONTROL FOR MODEL AIRCRAFT

William A. Rhodes, Phoenix, Ariz.

Application August 1, 1947, Serial No. 765,404
7 Claims. (Cl. 46—45)



2. A steering control for model aircraft including in combination with a model aircraft a single

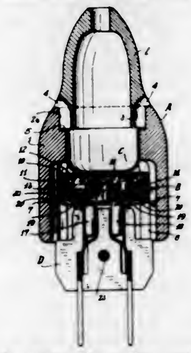
bladed rotatable control fin airfoil mounted on a shaft on the craft, so as to freely rotate by the motion of the craft through the air, and remotely controlled mechanism for stopping the rotation of said fin while the craft is in motion at any one of a plurality of positions whereupon it becomes a directive airfoil.

2,599,485

ELECTRIC VAPORIZER

Joseph Robinson, New York, N. Y.

Application October 5, 1948, Serial No. 52,821
4 Claims. (Cl. 219—38)



3. An electric vaporizer for nasal inhalation use comprising an applicator having a hollow base, a container mounted in said hollow base, a removable cover for said container carried by said base and shaped to be received within a nostril opening, a heater also mounted in said hollow base in heat exchanging relation with said container, and terminals arranged directly on said heater to removedly receive the plug of an electric cord or the like source of electrical energy whereby the applicator can be connected to said source of electrical energy to activate the heater and also remove therefrom for use independently of any electrical attachment.

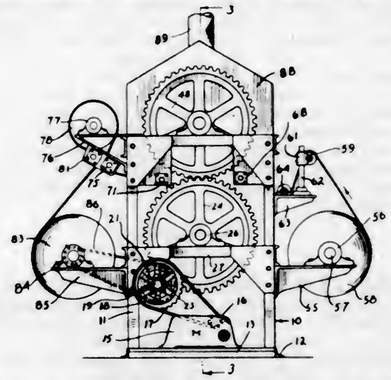
2,599,486

HEAT-TREATING MACHINE FOR TEXTILE MATERIAL

Werner P. Rose, Oakland, N. J., assignor to Werner Machine Company, Inc., Passaic, N. J., a corporation of New Jersey

Application January 13, 1950, Serial No. 138,347
7 Claims. (Cl. 26—1)

1. In a synthetic fabric setting machine, a vertically extending frame, a first treating roll journalled on the frame, an infrared radiant heating element extending through the roll to radiantly heat the roll and its heat treating surface thereof, a second heat treating roll journalled on the frame above the first heat treating roll, an infrared radiant heating element extending through the second heat treating roll to radiantly heat the same, said heat treating rolls being thereby so arranged as to receive a snythetic fabric in such a manner as to first treat one side of the fabric with the first roll and the opposite side of the fabric with the second heat treating roll, means for driving said rolls, means responsive to the temperature of the treating surfaces of the respective rolls for controlling the operation of the respective heating elements whereby to maintain a controlled constant temperature of the respective roll treating surfaces, means for delivering fabric over the rolls and for collecting the treated fabric at the opposite side thereof, said means for driving said rolls comprising an adjustable motor gear unit having variable speeds, large gears secured to the respective heat treating rolls and



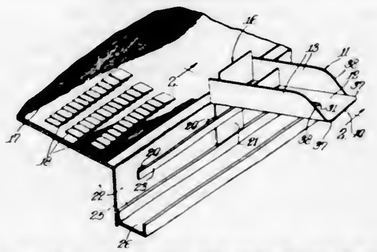
meshed with one another, a shaft journalled on said frame, means operatively connected between said shaft and said motor gear unit for driving the shaft, and a pinion gear on said shaft drivingly connected to one of the gears of the heat treating roll.

2,599,487

DEVICE FOR LOADING ARTICLES INTO CONTAINERS

George F. Salerno, Wilmette, and John R. Brandt, Chicago, Ill., assignors to Salerno Machinery Company, Chicago, Ill., a corporation of Illinois

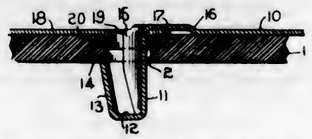
Application April 20, 1948, Serial No. 22,188
2 Claims. (Cl. 226—18)



1. A loading device for loading a plurality of aligned articles into containers, said device comprising an elongated loading receptacle provided with a bottom, a pair of upstanding side walls, and an open end portion, said bottom having a longitudinal slot terminating inwardly from the opposite ends of said bottom, means on said receptacle for mounting the same in transverse outwardly extending and inclined relation adjacent an elongated article conveyor with said open end portion in elevated position relative to the conveyor and said bottom sloping downwardly and rearwardly toward the conveyor for retaining articles in alignment in said receptacle, a movable ejector member slidably disposed in reciprocable relation in said receptacle, said member having an upright portion disposed transversely between said upstanding side walls and adapted to engage articles in said receptacle for supporting the same in inclined aligned position and for discharging the same upon sliding move-

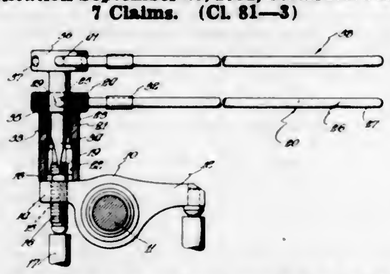
ment of said member toward said open end portion, said member also having a bottom portion provided with a plurality of protuberances slidably engaging the bottom of said receptacle on opposite sides of said slot, and a retainer pin affixed to said bottom portion of said ejector member and extending through said slot in the receptacle bottom whereby the extent of sliding movement of said ejector member is limited by engagement of said pin with the ends of the slot, said ejector member being free of rearwardly projecting structure and being retained within the longitudinal confines of said receptacle when the ejector member is in its rearwardmost retracted position whereby to avoid interfering engagement of the ejector member with the adjacent conveyor.

2,599,488
ELECTRICAL CONNECTION FASTENER
Frederick S. Sampson, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 16, 1948, Serial No. 8,571
1 Claim. (Cl. 173—324)



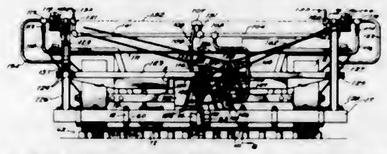
An electrical connector installation comprising a support having an aperture and a plurality of connector strips disposed on one side of said support and electrically engaged one with another, one of said strips having an opening in alignment with said aperture of said support and said strip having an arcuate wall portion adjacent said opening extending into said aperture of said support, the other of said strips being provided with an angularly-disposed fastener part extending through the opening of said first strip into said support aperture, said fastener part being of U-shaped construction providing a leg in engagement with said arcuate wall portion, a bottom portion and a yieldable leg integral with said bottom portion, said yieldable leg being in engagement with an opposite surface of said support from that on which said strips are disposed whereby said strips are held in assembly with said support and in electrical engagement with each other.

2,599,489
VALVE ADJUSTING TOOL
Paul E. Schmidt, Chicago, Ill.
Application September 29, 1951, Serial No. 248,969
7 Claims. (Cl. 81—3)



6. A valve adjusting tool comprising a hollow member having a nut engaging socket, a stem positioned within said hollow member for relative rotation with respect to said hollow member, a screw engaging blade on said stem, means for turning the stem and said tubular member relative to each other comprising a pair of handles extending laterally with respect to said stem and said tubular member, one of said handles being pivotally connected to said stem, the other handle being pivotally connected to said hollow member whereby said handles may be rocked in a substantial arcuate path relative to said stem and tubular member.

2,599,490
AUTOMATIC LEVELING MECHANISM FOR LAND LEVELERS
Isadore Seminario, Lancaster, Calif.
Application June 19, 1947, Serial No. 755,635
3 Claims. (Cl. 37—108)

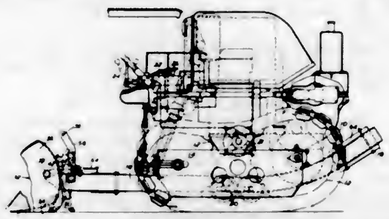


1. A leveler including a dirigible frame, a platform suspended from said frame intermediate its length, hydraulic cylinders mounted on each end of the frame and connected to the adjacent end of the platform, a hydraulic pump, having an inlet and an outlet, for each hydraulic cylinder, supported by the platform and positioned adjacent said cylinders, a liquid line extending between the inlets of said pumps, and a liquid line between the outlet of each pump and its cylinder, a third hydraulic pump having an inlet and an outlet and a liquid line from the outlet of said third pump to the line connecting the inlets of the other two pumps and a liquid line returning to said third pump and connected to the liquid line which extends between the inlets of the first named pumps, said liquid line having an adjustable liquid overflow portion to position the same at a certain level relative to the axis of the inlet level of said first named pumps, means for driving all of said pumps, and whereby when the platform assumes a given level, liquid is by-passed from the third named pump into the liquid line and returned thereto, and when the platform is tilted from a determined level, liquid is directed to one or the other of said first named pumps to be received in one of the hydraulic cylinders to raise or lower the platform to maintain its determined level.

2,599,491
CONVERTIBLE BULLDOZER OR SHOVEL
Guy Taite Shoosmith, Chislehurst, England
Application September 20, 1948, Serial No. 50,139
In Great Britain September 3, 1947
13 Claims. (Cl. 37—117.5)

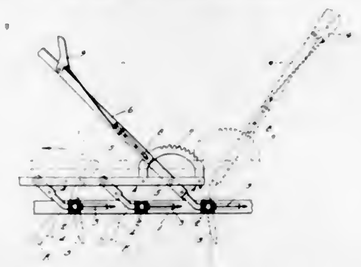
1. In combination with a bulldozer having a boom supporting a fixed material pusher blade; a shovel attachment comprising a base plate fixed between spaced side plates near their outer ends, said side plates embracing the pusher blade, and pivots connecting the side plates near their inner ends with the blade, the distance between the axis of the pivots and the upper edge of the blade being less than the distance between said axis and the inner edge of the base plate whereby the shovel attachment may be swung from inoperative position in which the base plate

rests upon the top of the boom in rear of the blade, into operative position in which the base plate underlies the blade extending in advance



thereof, said blade forming the reaction abutment of the shovel attachment when in operative position.

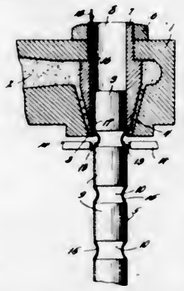
2,599,492
SPIKE-TOOTH HARROW
John E. Shouler and John M. Markel, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application March 2, 1945, Serial No. 580,736
18 Claims. (Cl. 55—103)



1. A spike tooth harrow comprising a generally horizontal frame, a plurality of longitudinally spaced rock bars mounted on said frame and extending transversely of the line of travel, a plurality of harrow teeth mounted on each rock bar, and means for adjusting said rock bars in unison to vary the angle of contact of the teeth with the ground comprising a lever which extends upwardly when in position for use, a quadrant mounted on said harrow cooperating with said lever to hold it in adjusted position, and means for mounting said quadrant, said latter means including means to swing said quadrant about a longitudinal axis from its position of use to a position substantially parallel to said frame.

2,599,493
PACKAGING METHOD
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Original application February 2, 1945, Serial No. 575,856. Divided and this application June 13, 1947, Serial No. 754,536
2 Claims. (Cl. 18—59)

1. The method of producing plastic sheathed discrete lengths of rigid tubing which comprises extruding a heated thermoplastic resin in the form of a continuous flexible tubing conforming substantially to the cross-sectional shape of the rigid tubing, inserting a series of discrete lengths of rigid tubing having at least one threaded end intermittently within the extruded tubing after the latter has attained its tubular shape and as the latter is being extruded in such manner that the discrete lengths of rigid tubing are spaced from each other within the flexible tubing, and rigidifying said flexible tubing, said discrete lengths being of such a size that each discrete



length is in intimate contact with the wall of the extruded tubing, the discrete lengths being so spaced that an unfilled portion of tubing extending beyond each discrete length, cutting the flexible tubing adjacent the ends of the rigid tubing, and removing the thermoplastic from at least one threaded end of the rigid tubing to expose the threads thereon.

2,599,494
PHOTOGRAPHIC EMULSIONS
Clifford K. Sloan, Thornton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 9, 1947, Serial No. 767,862
9 Claims. (Cl. 95—7)

1. The process which comprises precipitating light-sensitive silver halides in a fluid mixture of a synthetic hydrophilic hydroxyl polymer which contains a plurality of recurring intralinear

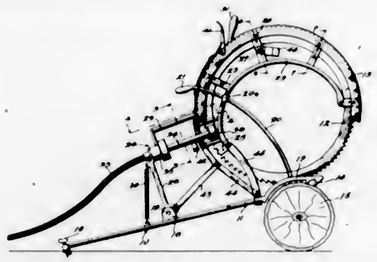
$$-CH_2-\underset{|}{C}HOH-$$

groups, extruding the resulting emulsion through a plurality of orifices having a diameter from 2 to 5 mils into a coagulating bath, coalescing the filaments into a fiber, stretching the fiber 100 to 300% of its original length in said bath, removing the stretched fiber and washing the latter with water to remove the water-soluble crystalloidal compounds.

2,599,495
PORTABLE RIM-DRIVEN CIRCULAR SAW
Albert P. Smith, Ava, Mo., assignor, by mesne assignments, to Barker Saw Company, Springfield, Mo., a corporation of Missouri
Application September 3, 1946, Serial No. 694,525
5 Claims. (Cl. 143—44)

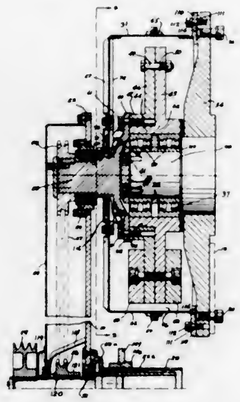
2. A log sawing machine comprising an elongated base member adapted for connection with a log to be sawed, a rigid bracket arm pivotally mounted upon said base member for oscillation in a vertical plane, a pair of rotatable power transmitting elements mounted upon said bracket arm, an arcuate frame connected at one end with the power transmitting elements, an annular saw having peripheral cutting teeth, support means carried by the frame for rotatably sup-

porting the saw, a driving connection means between the power transmitting elements and the saw whereby the saw is rotated, an arcuate guard member disposed around and covering substantial-



ly half the circumference of the saw upon the side thereof remote from the base member, a handle for said machine comprising a body rigidly connected to said arcuate guard and to said bracket arm, means securing said guard to said frame.

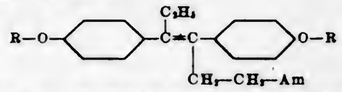
2,599,496
VIBRATING EQUIPMENT
Lewis E. Soldan, San Diego, Calif.
Application January 7, 1948, Serial No. 961
5 Claims. (Cl. 74—87)



2. In a vibrating device, a resiliently supported vibratable body, rotary mechanism connected to said body and adapted, when rotated, to produce gyratory displacement of the body, a casing that encloses said rotary mechanism to permit splash lubrication of the latter and is supported on said body to follow the gyratory movements of said body, said casing having an opening therethrough, a shaft element projecting through said casing opening for operative connection to said rotary mechanism, said rotary mechanism being adjustable to change the amplitude of vibration of said body and simultaneously change the position of the axis of said shaft element relative to said opening in said casing, and a compensating ring that encircles said shaft element and fits within said opening in said casing, said compensating ring having a circular inner periphery and a circular outer periphery that are eccentric to each other.

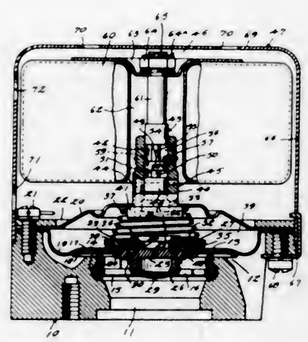
2,599,497
BASIC STILBENE DERIVATIVES
Willy Stoll, Basel, and Charles J. Morel, Arlesheim, Basel-Land, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application November 16, 1950, Serial No. 196,078. In Switzerland December 5, 1949
3 Claims. (Cl. 260—570.8)

1. As a new compound a member selected from the group consisting of a basically substituted derivative of p,p'-dihydroxystilbene and its water soluble acid addition salts, said basically substituted derivative of p,p'-dihydroxystilbene having the general formula:



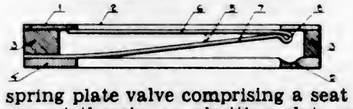
wherein Am represents a member selected from the group consisting of di-(lower alkyl)-amino radicals and the piperidino radical and R represents a member selected from the group consisting of lower alkyl and benzyl radicals.

2,599,498
DIAPHRAGM VALVE
Charles R. Suska, Corry, Pa., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa.
Application February 8, 1949, Serial No. 75,117
4 Claims. (Cl. 251—119)



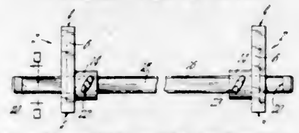
1. In a pressure operated valve structure including a valve housing, a valve member and a flexible diaphragm, an annular bead carried by said valve member projecting from one face of said valve member and forming an annular groove in the opposite face of said valve member, and clamping means for clamping said valve member and diaphragm together, said clamping means comprising a pair of plates, a bead carried by one of said plates engaging in the groove of said valve member, and a cylindrical flange carried by said one plate extending through said valve member, diaphragm and said other plate, the end of said flange being outwardly bent to form an annular clamping flange for clamping engagement with said other plate, said other plate having an annular groove within which that portion of said diaphragm deformed by said first named bead is adapted to engage, one edge of said latter groove engaging said diaphragm to clamp the latter against said first named bead.

2,599,499
SPRING PLATE VALVE
Johan Thorstenson, Goteborg, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden
Application July 15, 1947, Serial No. 761,083
In Sweden February 16, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 16, 1965
6 Claims. (Cl. 251—119)



1. A spring plate valve comprising a seat plate having a port therein, an abutting plate, means for maintaining said plates in spaced relation to each other, and a valve member located between said plates and consisting of a recurved strip of resilient material, said strip comprising a first arm located parallel to said seat plate and cooperating with said port so as to be responsive to fluid pressure applied through said port to move said first arm from the seat plate thereby allowing fluid to flow through said port but preventing fluid flow in the opposite direction, and a second arm fixed to said abutting plate at a point beyond the end of said port and having substantially the same free length as said first arm, said second arm being constructed and arranged when the parts are assembled to normally bias the first arm to valve closed position and in the open position of the valve to be located parallel to said first arm and in the closed position of the valve to extend obliquely through the space between said plates at an acute angle with respect to said first arm.

2,599,500
ADJUSTABLE PARALLEL
Herbert Tinker, South Hadley Falls, Mass.
Application October 31, 1949, Serial No. 124,640
1 Claim. (Cl. 33—174)

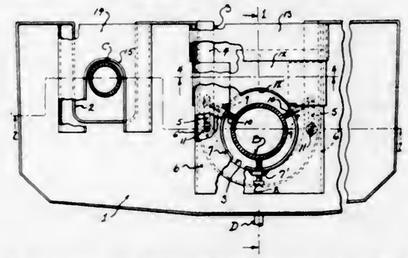


Unitary adjustable work supporting parallel apparatus comprising in combination, a pair of similar end members of rectangular shape each having horizontally disposed upper and lower uninterrupted parallel edges and vertically disposed uninterrupted parallel opposite end edges and provided with a pair of hubs extending horizontally inwardly from inner sides thereof, said hubs provided with horizontal bores spaced horizontally and longitudinally of said end members with the bores of one end member disposed in alignment with the bores of the other end member, a pair of elongated cylindrical rods extending through the pairs of bores of the end members on which said end members are slidable towards and away from one another, said rods provided with vertically disposed flat faces extending along the outer sides thereof terminating in stop shoulders adjacent and inwardly of opposite ends of said rods, and binding screws in threaded engagement with said hubs having inner ends for engaging the flat faces of said rods to hold said end members against movement relative to said rods and being engageable by said shoulders to limit movements of said end members away from one another.

2,599,501
REACTION OF PHOSPHORUS HALIDES WITH MONOOLEFIN-CARBON MONOXIDE COPOLYMERS
Robert W. Upson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1949, Serial No. 83,107
9 Claims. (Cl. 260—63)

1. A process for making polymers which comprises reacting at a temperature of from 0° C. to 200° C. a two to four carbon monoolefin/carbon monoxide polymer with a compound from the group consisting of phosphorus trichloride and dihydrocarbon halophosphate esters, and a second compound from the group consisting of glacial acetic acid and acetic anhydride, acid hydrolyzing the product obtained and isolating the resulting polymer, said monoolefin/carbon monoxide polymer having a molecular weight of at least 250 and a monoolefin/carbon monoxide mole ratio of from 1:1 to 150:1.

2,599,502
DRIP PAN FOR FLUSH TANKS
Clifford J. Wanke, Janesville, Wis.
Application June 17, 1948, Serial No. 33,459
1 Claim. (Cl. 4—252)

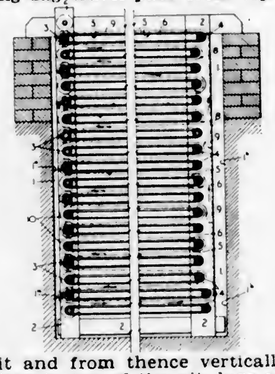


A drip-pan for flush tanks having an open pipe receiving slot extending inwardly from one edge thereof, the edges of said slot being provided with an upstanding flange having an inwardly extending wing, said wing being provided with longitudinally extending slots, a boxing plate fitted over the wing and having opposite down-turned flanges engaging the flange of the slot in the pan and a flat surface having an open throat extending inwardly from the rear edge thereof and terminating in an enlarged circular opening, an upstanding flange surrounding the circular edge of the opening for engaging about a pipe, an upstanding centrally disposed ear carried by the flange, a set bolt carried by said ear, a pair of depending ears disposed on each side of the central ear adjacent to the front of the circular opening at the junction with the throat and carried by the sides of the opening, set bolts carried by said pair of ears for engaging a pipe below the first mentioned set bolt, and thumb nuts and bolts carried by said boxing plate and received in the slots of the wing, whereby the pan can be adjusted back and forth on the boxing plate.

2,599,503
APPARATUS FOR THE TREATMENT OF HIDES, SKINS, AND THE LIKE
Evan George Wilson, Blundellsands, Liverpool, England
Application April 11, 1951, Serial No. 220,452
In Great Britain December 30, 1948
3 Claims. (Cl. 69—32)

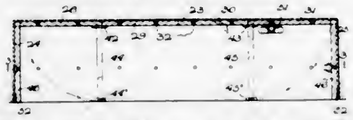
1. Apparatus for the tanning of leather comprising in combination, a plurality of rollers jour-

nalled in a supporting frame and disposed one above another in two opposed series at opposite sides of a tanning liquor containing pit, an endless horizontal conveyor band carried by and in respect of each opposed pair of said rollers, sprockets fitted at each end of certain rollers, a pair of endless chains arranged to move over and mesh with said sprockets whereby said chains follow a zig-zag travel path from top to bottom



of the pit and from thence vertically upwards from bottom to top of the pit, lugs and attachment pins on certain link plates of said endless chains, battens having slotted end components for engaging with the attachment pins of said chains and to which battens pieces of leather to be tanned are secured, and means for actuating said apparatus automatically at controlled and gradually decreasing speeds.

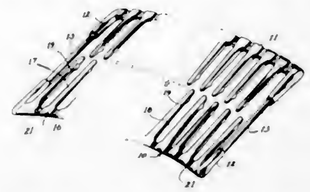
2,599,504
CABINET UNIT WITH CHANGEABLE INTERIOR
George Wise, Washington, D. C.
Application March 14, 1946, Serial No. 654,429
8 Claims. (Cl. 312—304)



5. A cabinet unit forming a substantially rigid structure, said cabinet unit having at least one exterior confining wall member, a panel member hinged on a vertical axis to the inner surface of said exterior confining wall member and an article-support having a threaded portion protruding through said panel member into said exterior confining wall member when said panel member is in an attached position flat against said exterior confining wall member.

2,599,505
HAIR RETAINING DEVICE
Florence C. Witmer, New York, N. Y.
Application November 9, 1950, Serial No. 194,767
3 Claims. (Cl. 132—22)

1. A hair wave setting device comprising comblike parts, each of said parts having a transverse portion and teeth projections extending therefrom, said teeth being spaced apart to receive hair and teeth of an opposite part, a guide sleeve pivotally connected to each end of the transverse portion of each part, a guide pin slidably fitted in the guide sleeves on corresponding ends of the parts and slidable therein to permit separation of the parts and pivotal movement of one part relative to the other and the joining together

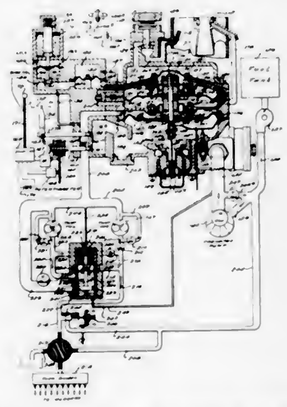


of the parts with the hair locked between the teeth projections thereof.

2,599,506
ABRASIVE ARTICLES
Charles E. Wooddell, Garret Van Nimwegen, and Edward T. Hager, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application August 12, 1947, Serial No. 768,281
12 Claims. (Cl. 51—298)

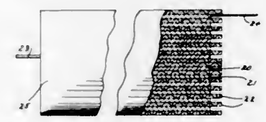
1. An abrasive article comprising abrasive grains and a bond therefor comprising a hard-vulcanized copolymer of about 50–90% of a compound selected from the group consisting of conjugated diolefins containing from 4 to 6 carbon atoms and the methyl, phenyl, vinyl and cyano substitution products thereof with an ester of an unsaturated carboxylic acid and an alcohol selected from the group consisting of aliphatic alcohols containing from 1 to 4 carbon atoms, the nitro substitution products thereof and unsaturated monohydric alcohols.

2,599,507
GAS TURBINE FUEL REGULATOR WITH MANUAL AND TEMPERATURE RESPONSIVE MEANS TO SELECT FUEL–AIR RATIO
Paul W. Wyckoff, Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 25, 1947, Serial No. 763,467
1 Claim. (Cl. 60—39.28)



In combination, in a gas turbine power plant, a burner for the gas turbine for supplying gaseous products of combustion of fuel and compressed air thereto, means forming a path for the flow of fuel to the burner, means forming a path for the flow of compressed air to the burner, means forming a regulating orifice in said fuel path, means forming first and second metering orifices in parallel with one another in said fuel path, means associated with the metering orifices for making a measurement of the fuel-flow rate in the fuel path, means for making a measurement of the air-flow rate in the compressed air path, means responsive to the relation of the two just-named measurements for adjusting the regulating orifice to maintain a predetermined ratio of fuel-flow rate to air-flow rate at a given temperature of compressed air flowing to the burner, a temperature-sensing element for producing an electrical signal and being interposed at the entrance to the burner in the compressed air path, a restrictive member in the first metering orifice for adjustably restricting the first metering orifice, an electrical amplifier device having automatic means for adjusting the position of said restrictive member in the first metering orifice and being actuable by the electrical signal from the temperature-sensing element to increase the restriction and thereby increase the leanness of the fuel/air ratio in response to increase of compressed air temperature, a manually operated valve in the second metering orifice for adjustably restricting the second metering orifice, and manually set means having indicia and being connected to the valve for adjusting the restriction of the second metering orifice directly in order to select the desired temperature of combustion products as indicated by the said indicia so as to produce different predetermined values of temperature of combustion products.

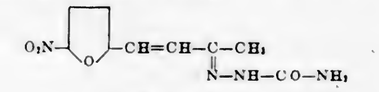
2,599,508
ELECTRICAL BANDPASS NETWORK
William M. Allison, North Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application April 8, 1947, Serial No. 740,251
2 Claims. (Cl. 178—44)



1. A series resonant, two-terminal band pass circuit comprising two electrode foils of unequal length convolutely wound with each other and with dielectric spacing material to provide circuit capacitance, the longer of said foils extending for at least one turn more than the shorter foil to provide additional circuit inductance for resonating with the capacitance at the desired pass frequency, both foils having one end at about the same portion of the winding, the first of said two terminals being connected to the shorter foil at said one end, and the second of two terminals being connected to the longer foil at the other end of the winding, one of the terminals forming the signal-supplying input terminal of the circuit and the other of the terminals forming the output terminal for delivering the signals passed by the circuit, said terminals extending from opposite side edges of the wound foils.

2,599,509
5-NITRO-2-FURFURYLIDENE ACETONE SEMICARBAZONE
Franklin L. Austin, Peoria, Ill., and Henry B. Hastie, Norwich, N. Y., assignors to Eaton Laboratories, Inc., Norwich, N. Y., a corporation of New York
No Drawing. Application May 31, 1950, Serial No. 165,358
1 Claim. (Cl. 260—345)

5-nitro-2-furfurylidene acetone semicarbazone represented by the formula:

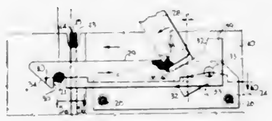


2,599,510
KEYING DEVICE FOR ELECTRONIC ORGANS
Richard H. Campbell, Jr., Westminster West, and George H. Hadden, West Dummerston, Vt., assignors to Minshall-Estey Organ, Inc., Brattleboro, Vt., a corporation of Vermont
Application December 8, 1950, Serial No. 199,812
7 Claims. (Cl. 84—1.01)



1. A signal switching device for use in electrical musical instruments comprising a source of electrical oscillations of musical frequencies, a load circuit for converting the electrical oscillations from said source into musical sound vibrations, a keying device having a pair of conducting members, a pair of spacers of resistive material positioned between said members, a switch contact leaf between said pair of spacers of resistive material, a second switch contact leaf, normally closed contacts supported by said leaves, connections for connecting one of said members to said source of oscillations and the other of said members to said load circuit and connections for grounding said second switch contact leaf so that said first mentioned switch contact leaf is grounded to prevent the transmission of electrical oscillations from said source to said load circuit until said normally closed contacts are opened.

2,599,511
FASTENER FOR SLIDING CLOSURES
Albert G. Dean, Narberth, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 17, 1948, Serial No. 60,529
8 Claims. (Cl. 292—97)



4. A fastener for a sliding closure adapted to cooperate with a keeper on the closure frame, comprising in combination, a latch bar carried by the closure on a movable pivot and having a releasable closely engaging connection with said

keeper to take a pull in closing and a push in opening, and a latch-operating member associated with said latch bar and mounted on a pivot in such manner that movement of the latch-operating member causes the latch bar pivot to cross a dead-center line passing through the keeper and the latch-operating member pivot when the latch-operating member is operated so as to pull the latch bar pivot in moving to closed position and a push movement in moving to open position, and said latch-operating member having elements for engaging and moving said latch bar about its pivot in one or both extreme positions but the elements standing clear of the latch bar in intermediate positions.

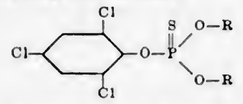
2,599,512

O-2,4,6-TRICHLOROPHENYL O,O-DIALKYLTHIOPHOSPHATES

Lewis R. Drake, Midland, and Arthur J. Erbel, Bay City, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application April 21, 1950, Serial No. 157,411
3 Claims. (Cl. 260—461)

1. An O-2,4,6-trichlorophenyl O,O-dialkylthiophosphate having the formula



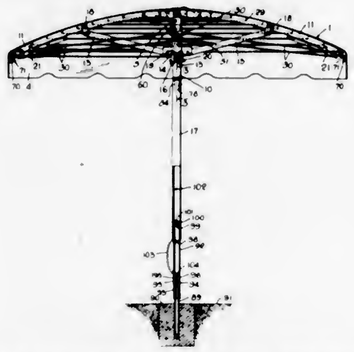
wherein R represents a member of the group consisting of the methyl and ethyl radicals.

2,599,513

COMBINATION SUNSHADE AND CLOTHES DRIER

Harry L. Griffin, New York, N. Y., assignor to Dry-Or-Shade, Inc., New York, N. Y., a corporation of New York

Application April 9, 1949, Serial No. 86,517
4 Claims. (Cl. 211—178)



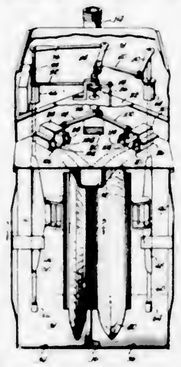
1. The combination of arms and extensions for a combination sun shade and clothes drier having a central post to which said arms are pivotally connected, clothes line sections and a canopy secured to said arms, said arms in erect position supporting not only the canopy as a sun shade but also clothes line sections, said combination being characterized by the extensions being movably connected to the lower end portions of said arms for movement from an inside out-of-use position below said arms to an outside position extending beyond the canopy supported by said arms and to clear the clothes line sections connected to said arms, said extensions being confined in their movement below the level of the upper edges of said arms in erect position, clothes line sections connected to said extensions, and means securing said extensions to said arms in extended positions and also in an inside out-of-use position.

2,599,514

FLUID METER

Raymond Menkemeller, Cedar Rapids, Iowa, assignor to American Meter Company, Incorporated, Chicago, Ill., a corporation of Delaware

Application February 8, 1946, Serial No. 646,449
11 Claims. (Cl. 73—268)



9. In a positive displacement meter for fluid media having a pair of diaphragms, valves for said diaphragms, a crank shaft, a valve crank fixed on said shaft, lever means, first connection means arranged tangentially on said crank shaft, a pivotable connection between said first connection means and said lever means, a pair of pivoted shafts mounting said lever means, actuating levers on said shafts, second connection means on each diaphragm, a pivotable connection between each said second connection means and one of said actuating levers, at least one of said first and second connection means including a stud member and a coil spring arranged thereabout for locating the pivotable connection connected thereto, and means for limiting the expansion of said diaphragms to assure constant volume measurement each time the diaphragms are actuated.

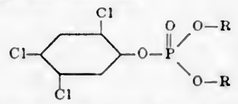
2,599,515

O-2,4,5-TRICHLOROPHENYL O,O-DIALKYLPHOSPHATES

Clarence L. Moyle, Clare, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application March 30, 1950, Serial No. 152,975
3 Claims. (Cl. 260—461)

1. An O-2,4,5-trichlorophenyl O,O-dialkylphosphate having the formula



wherein R represents a member of the group consisting of the methyl and ethyl radicals.

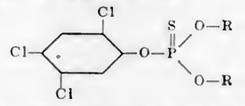
2,599,516

O-2,4,5-TRICHLOROPHENYL O,O-DIALKYLTHIOPHOSPHATES

Clarence L. Moyle, Clare, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application March 30, 1950, Serial No. 152,976
3 Claims. (Cl. 260—461)

1. An O-2,4,5-trichlorophenyl O,O-dialkylthiophosphate having the formula



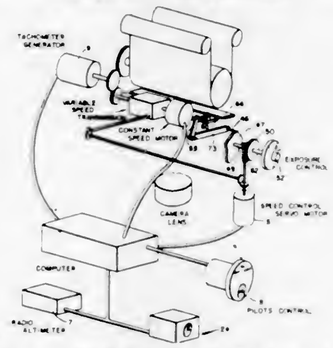
wherein R represents a member of the group consisting of the methyl and ethyl radicals.

2,599,517

FILM SPEED CONTROL FOR AERIAL CAMERAS

August Raspet, Locust Valley, N. Y., assignor to Specialties, Inc.

Application September 20, 1946, Serial No. 698,171
2 Claims. (Cl. 95—12.5)



1. For an aerial camera of the type described having variable speed drive for the film, a film speed control means comprising in combination a radio altimeter providing a current substantially proportional to altitude; a tachometer generator driven with the film drive of the camera providing a current substantially proportional to film speed; a product relay having a fixed field winding and a moving armature coil; electrical connections between the tachometer generator and the armature coil and between the radio altimeter and the field winding; manually operable variable resistance in series with the armature coil graduated in terms of ground speed of the aircraft carrying the camera, for introducing a factor proportional to said ground speed; a hairspring acting on said moving coil against the torque of the energizing currents in said coil and winding obtained from said radio altimeter and tachometer generator to maintain the coil in a position of equilibrium for selected values of altitude and ground speed; a pair of switch contacts; a switch arm normally out of contact with said contacts when said coil is in the position of equilibrium and movable with said coil into contact with one of the other of said contacts when said coil swings one way or the other under changes of value of altitude or ground speed; a servomotor in circuit with said switches to be driven in one direction of rotation or the other depending on which switch contact is closed; and connections between said servomotor and the variable speed drive for the film whereby the film speed will be increased or decreased in accordance with changes of altitude or ground speed until the position of equilibrium is again reached.

2,599,518

HIGH CONTRAST PHOTOGRAPHIC DEVELOPERS

Morton Schwarcz, Highland Park, Ill., assignor to The Edwal Laboratories, Inc., Ringwood, Ill., a corporation of Illinois

No Drawing. Application April 25, 1951, Serial No. 222,940
12 Claims. (Cl. 95—88)

1. An aqueous photographic developing solution comprising a silver halide developing agent, an alkali metal sulfite and a methylol hydantion.

2,599,519

CITRUS JUICE PRODUCTS HAVING STABILIZED CLOUD AND PROCESS FOR MAKING THE SAME

Jesse W. Stevens, Upland, and David E. Pritchett, Ontario, Calif., assignors to Sunkist Growers, Inc., Los Angeles, Calif., a corporation of California

No Drawing. Application October 29, 1949, Serial No. 124,486
14 Claims. (Cl. 99—155)

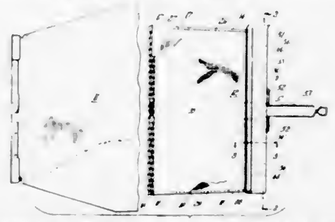
1. A method of improving the natural cloud of a citrus juice product which comprises incorporating in the juice product in solution therein, as a minor constituent thereof, insufficient to materially increase the final beverage viscosity, a water soluble gum of high mannogalactan content, whereby a relatively high permanence of stability of suspension of the natural cloud producing substances present in said juice product is imparted thereto.

2,599,520

BAG CLOSURE FOR VACUUM CLEANERS

Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

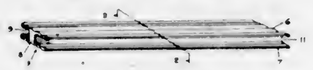
Application May 14, 1949, Serial No. 93,383
2 Claims. (Cl. 150—5)



1. A closure for the discharge end of a tubular vacuum cleaner dust bag, comprising, an inturned edge-fold encircling the discharge end of the bag, four corner-folds dividing said edge-fold into front, rear, and two side portions, a wire rod enclosed by and extending the full length of the front and the rear edge-fold portions, a flexible cord filler shorter than the side edge-fold portion enclosed by mid-portions of said side edge-fold portions thereby leaving unfilled side edge-fold portions adjacent said corner-folds, and a metal clamp for clamping together said front, rear and side portions, whereby

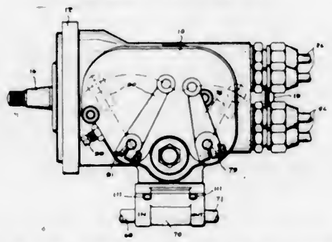
when said front and back edge-fold portions are clamped by said metal clamp said filled side edge-fold portions are positioned above said front and back edge-folds.

2,599,521
RESPIRATORY DEVICE
Robert A. Berman, Lawrence, N. Y.
Application June 2, 1949, Serial No. 96,689
7 Claims. (Cl. 128—208)



1. A respiratory airway for insertion in the mouth and pharynx, comprising an elongated flat body of rectangular H-shape cross section with elongated parallel laterally extending legs, said body having a plurality of longitudinally extending passageways open at the ends and along the length thereof.

2,599,522
FUEL PUMP
Frank S. Coe, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application May 17, 1949, Serial No. 93,647
9 Claims. (Cl. 103—2)



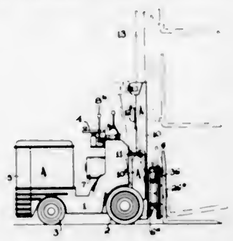
6. In a fuel pumping and distributing apparatus, a housing having a bore and a plurality of discharge passages communicating therewith, a drive shaft, a distributor member in said bore, said distributor member being in alignment with and operatively connected to said shaft and forming in effect a continuation of said shaft and adapted to be rotated thereby, a fuel supply pump and a fuel injection pump in said housing, said fuel injection pump comprising a bore normal to the axis of said shaft and distributor and reciprocable piston means in said bore, the axis of said piston means being normal to the axis of said shaft and distributor, cam means for effecting reciprocation of said piston means upon rotation of said shaft, a fuel path connecting said fuel supply pump and said fuel injection pump, an adjustable control valve in said housing in the fuel path between said fuel supply pump and said fuel injection pump and controlling the quantity of fuel passing from said supply pump to said injection pump, a fuel path between said fuel injection pump and said distributor, said distributor being effectively one piece and having an axial duct and radial inlet and discharge ports communicating therewith, said inlet and discharge ports being in longitudinally spaced relation and said inlet port communicating with said fuel path from said fuel injection pump and said discharge port communicating with said discharge passages in said housing successively upon rotation of said distributor.

2,599,523
SHIELD FOR BUNIONS AND CORNS
Emma Ashton Dorr, Philadelphia, Pa.
Application July 27, 1949, Serial No. 106,987
8 Claims. (Cl. 128—153)



1. A shield for sore areas of the body, comprising a hollow geometrical ring of ultra-soft cushioning material of uniform thickness, adhesive upon its lower surface to secure it to the skin surrounding the sore area, and a ring of thin fabric secured to the outer surface of said first ring and having a diametrically extending rib to limit otherwise unrestrained expansion in one direction.

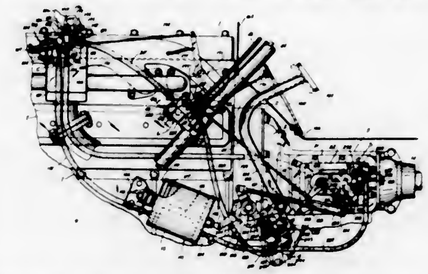
2,599,524
INDUSTRIAL LIFT TRUCK
Max Lehmann, Cleveland, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application December 9, 1947, Serial No. 790,571
4 Claims. (Cl. 214—113)



1. In a truck, the combination with a frame having substantially vertically disposed guides and an elevating member slidably mounted on said guides of a load carrier movably mounted on said elevating member, hydraulically operated means carried by said elevating member and drivingly connected to said carrier, means on said frame for supplying liquid under pressure, liquid connections between said supply means and said hydraulically operated means, means for sliding said elevating member endwise of said guides, said sliding means including a vertically movable rod disposed between said guides and provided at its upper end with laterally extending shafts, power means for moving said rod upwardly, reeving elements rotatably mounted on said shafts, flexible members engaging said reeving members, anchored at their inner ends and connected at their outer ends to said elevating member, and separate reeving members mounted on said shafts for rotation independently of said first mentioned reeving members, intermediate portions of said liquid connections being flexible and adapted to engage said separate reeving members for taking up or paying out said liquid connections dependent on the direction of movement of said elevating member.

2,599,525
AUTOMOTIVE POWER DRIVE CONTROL SYSTEM AND MECHANISM
Glenn T. Randol, St. Louis, Mo.
Application December 11, 1944, Serial No. 567,612
61 Claims. (Cl. 192—.073)

1. In a vehicular drive system including a torque producing internal-combustion engine having an accelerator mechanism and a friction clutch for transmitting torque from the engine to a change-speed gear transmission providing a plurality of gear sets for establishing different forward speed drives; the improvements which comprise; power operated means connected to disengage the clutch, establish either of two speed drives and permit re-engagement of the clutch, selecting means for determining which of the two speed drives will be established, means for controlling the operation of the power means by the accelerator mechanism, locking means for automatically disabling operation of the power means when in a condition where the clutch is engaged and a speed drive is established and notwithstanding the accelerator mechanism is in its condition where the power

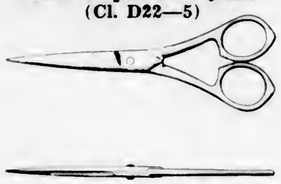


means is caused to be energized, and means for causing the disabling means to become inoperative at will.

DESIGNS

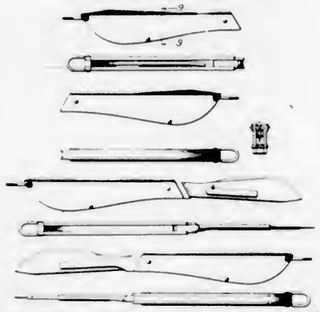
JUNE 3, 1952

166,899
PAIR OF SHEARS
John Ahlbin, Fairfield, Conn.
Application June 27, 1950, Serial No. 10,773
Term of patent 14 years
(Cl. D22—5)



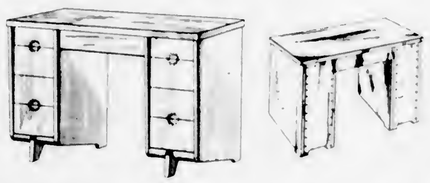
The ornamental design for a pair of shears, as shown.

166,900
POCKET KNIFE
Thomas R. Arden, Danbury, Conn., assignor to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York
Application March 7, 1951, Serial No. 14,410
Term of patent 14 years
(Cl. D22—3)



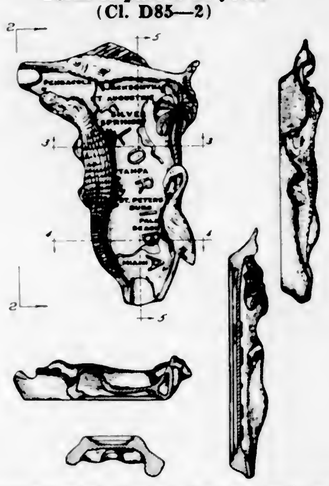
The ornamental design for a pocket knife, as shown.

166,901
DESK OR SIMILAR ARTICLE
Carl G. Bjorncrantz, Evanston, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 13, 1951, Serial No. 16,255
Term of patent 3½ years
(Cl. D33—7)



The ornamental design for a desk or similar article, as shown and described.

166,902
ASH TRAY
Boris Blecher, Philadelphia, Pa.
Application February 15, 1952, Serial No. 18,534
Term of patent 14 years
(Cl. D85—2)



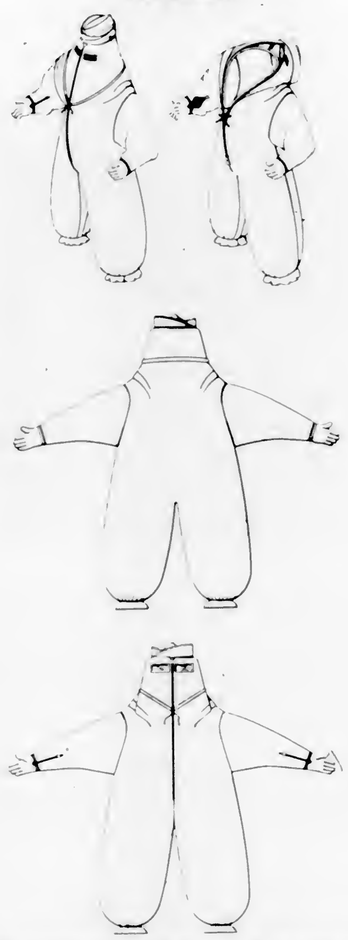
The ornamental design for an ash tray, as shown.

166,903
ASH TRAY
Boris Blecher, Philadelphia, Pa.
Application February 15, 1952, Serial No. 18,535
Term of patent 14 years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

166,904
PROTECTIVE SUIT
Thomas A. Bridges, Jersey City, N. J.
Application July 17, 1951, Serial No. 15,910
Term of patent 14 years
(Cl. D3—17)



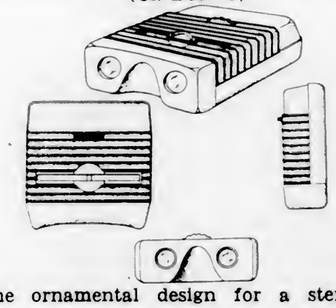
The ornamental design for a protective suit, substantially as shown and described.

166,905
DRAFTSMAN'S INSTRUMENT
Sydney N. Coates, Seattle, Wash.
Application March 24, 1952, Serial No. 19,031
Term of patent 14 years
(Cl. D52—1)



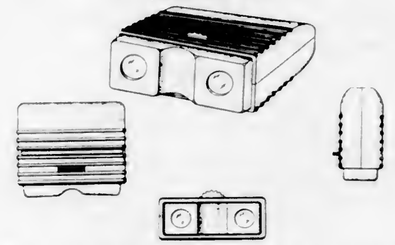
The ornamental design for a draftsman's instrument, as shown.

166,906
STEREOSCOPIC VIEWER
Harry J. Collins, Milwaukee, Wis., assignor to David White Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 20, 1951, Serial No. 16,388
Term of patent 14 years
(Cl. D61—1)



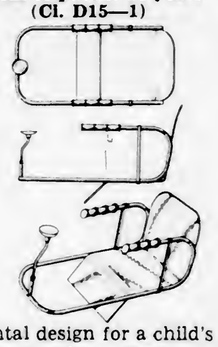
The ornamental design for a stereoscopic viewer, as shown.

166,907
STEREOSCOPIC VIEWER
Harry J. Collins, Milwaukee, Wis., assignor to David White Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 20, 1951, Serial No. 16,389
Term of patent 14 years
(Cl. D61—1)



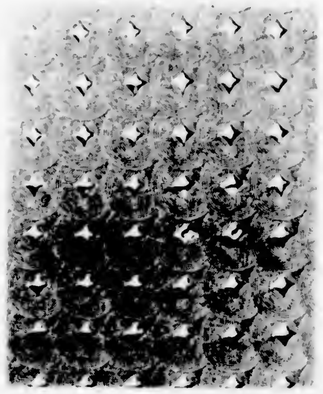
The ornamental design for a stereoscopic viewer, as shown.

166,908
CHILD'S CHAIR
Francis E. Ducey, Phoenix, Ariz.
Application February 23, 1951, Serial No. 14,299
Term of patent 14 years
(Cl. D15—1)



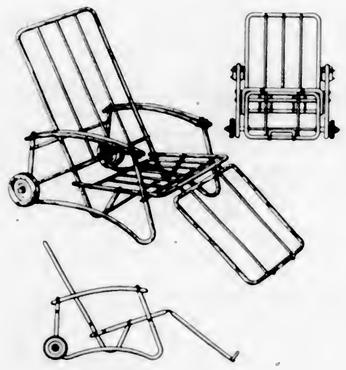
The ornamental design for a child's chair, substantially as shown and described.

166,909
EMBOSSED PLASTIC SHEET OR SIMILAR ARTICLE
William M. Feder, New York, N. Y.
Application February 28, 1952, Serial No. 18,700
Term of patent 7 years
(Cl. D87—3)



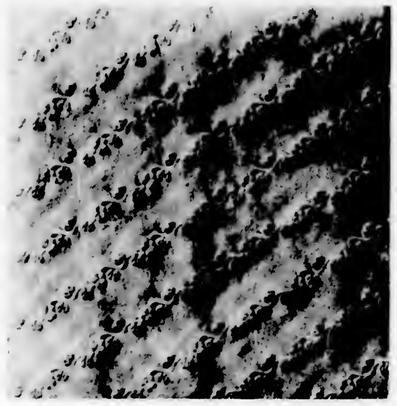
The ornamental design for an embossed plastic sheet or similar article, as shown.

166,910
RECLINING CHAIR FRAME
Aaron S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 28, 1952, Serial No. 19,093
Term of patent 14 years
(Cl. D15—11)



The ornamental design for a reclining chair frame, substantially as shown.

166,911
EMBOSSED PAPER NAPKIN OR THE LIKE
Ruth Gould, Bedminster, N. J., assignor to Erving Paper Mills, a corporation of Massachusetts
Application February 23, 1952, Serial No. 18,647
Term of patent 7 years
(Cl. D59—2)



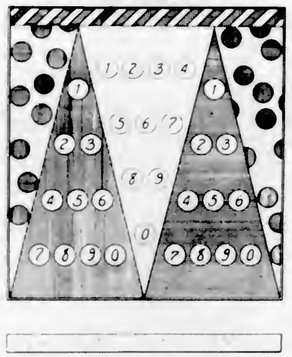
The ornamental design for an embossed paper napkin or the like, as shown and described.

166,912
OVERSHOE
Rena Bell Hardman, Los Angeles, Calif.
Application May 15, 1950, Serial No. 9,948
Term of patent 14 years
(Cl. D7—4)



The ornamental design for an overshoe, substantially as shown and described.

166,913
GAME BOARD
Bernard L. Hayes, Asheville, N. C.
Application November 16, 1951, Serial No. 17,440
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a game board, as shown.

166,914
HANDLE FOR A SPOON, FORK, OR SIMILAR ARTICLE
Morton Hepner, New York, N. Y.
Application October 24, 1951, Serial No. 17,092
Term of patent 3½ years
(Cl. D44—29)



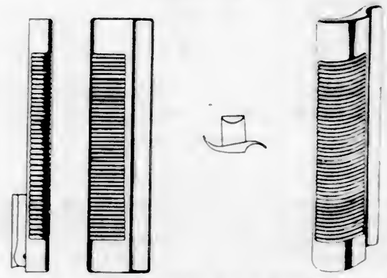
The ornamental design for a handle for a spoon, fork, or similar article, as shown and described.

166,915
COLLAR OR THE LIKE
Mary Jane Iwaniec, Bartow, Fla.
Application January 23, 1952, Serial No. 18,180
Term of patent 7 years
(Cl. D3—8)



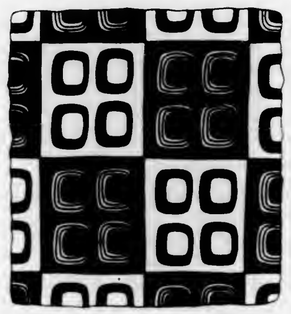
The ornamental design for a collar or the like, substantially as shown.

166,916
HANDLE FOR A REFRIGERATOR DOOR LATCH
Richard Bolton Janes, Baldwin Lake, Greenville, Mich., assignor to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application January 25, 1951, Serial No. 13,950
Term of patent 7 years
(Cl. D67—3)



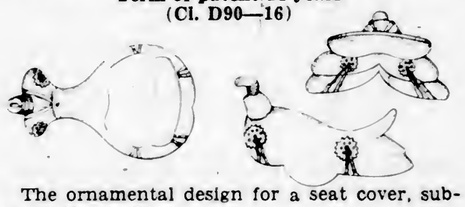
The ornamental design for a handle for a refrigerator door latch, as shown.

166,917
TEXTILE FABRIC OR SIMILAR ARTICLE
Theodore H. Koeber, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 4, 1952, Serial No. 18,773
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown and described.

166,918
SEAT COVER
George Joseph Kramer, Bristol, Conn.
Application February 12, 1952, Serial No. 18,485
Term of patent 14 years
(Cl. D90—16)



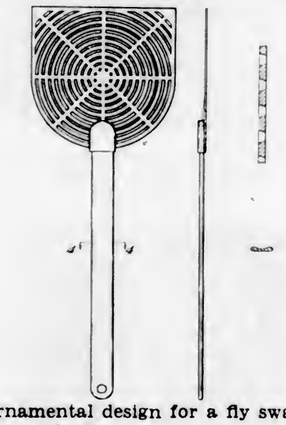
The ornamental design for a seat cover, substantially as shown.

166,919
COMBINED BOTTLE CAP AND SCREW DRIVER
Jacob S. Kwiatkowski, Toledo, Ohio
Application August 14, 1951, Serial No. 16,267
Term of patent 7 years
(Cl. D58—26)



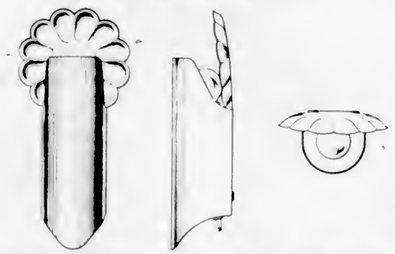
The ornamental design for a combined bottle cap and screw driver, as shown.

166,920
FLY SWATTER
Clayton A. Laughlin, Minneapolis, Minn., assignor to Northwest Plastics, Incorporated, St. Paul, Minn., a corporation of Minnesota
Application July 30, 1951, Serial No. 16,070
Term of patent 14 years
(Cl. D31—3)



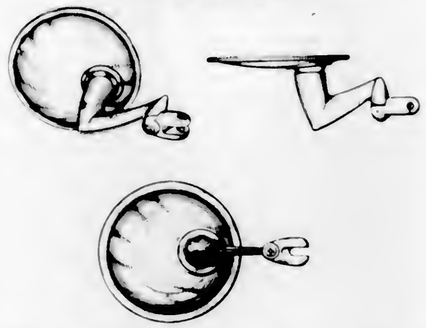
The ornamental design for a fly swatter, substantially as shown.

166,921
HOUSING FIXTURE FOR ODOR-OXIDIZING OZONE LAMP
Clyde D. McCann, Des Moines, Iowa
Application February 23, 1952, Serial No. 18,643
Term of patent 14 years
(Cl. D48—4)



The ornamental design for a housing fixture for odor-oxidizing ozone lamp, substantially as shown.

166,922
AUTOMOBILE REARVIEW MIRROR
Dwight M. Nelson, Chicago, Ill., assignor to Nelmor Corporation, a corporation of Illinois
Application December 13, 1951, Serial No. 17,716
Term of patent 14 years
(Cl. D14—6)



The ornamental design for an automobile rear view mirror, as shown and described.

166,923
HIGHWAY WARNING SIGN
Glen K. Phillippi, Moscow, Idaho
Application May 21, 1951, Serial No. 15,270
Term of patent 7 years
(Cl. D72—1)



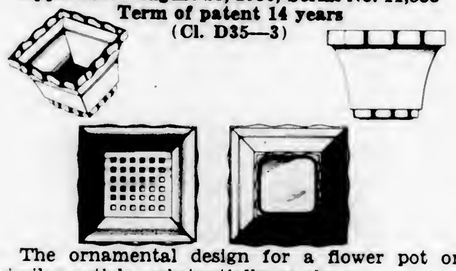
The ornamental design for a highway warning sign, substantially as shown.

166,924
MAGNETIC CIGARETTE HOLDER
Donald C. Roller, Detroit, Mich.
Application September 7, 1951, Serial No. 16,550
Term of patent 7 years
(Cl. D85—8)



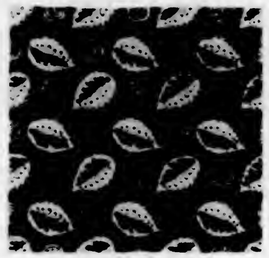
The ornamental design for a magnetic cigarette holder, as shown.

166,925
FLOWER POT OR SIMILAR ARTICLE
Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products, Inc., Columbus, Ohio, a corporation of Ohio
Application August 23, 1950, Serial No. 11,883
Term of patent 14 years
(Cl. D35—3)



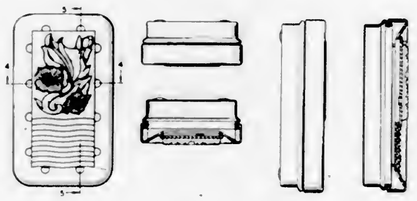
The ornamental design for a flower pot or similar article, substantially as shown.

166,926
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application October 25, 1951, Serial No. 17,102
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown.

166,927
MOTH REPELLENT CONTAINER OR THE LIKE
Alvin L. Sacks, Clayton, Mo., assignor to The Puro Co., Inc., St. Louis, Mo., a corporation of Missouri
Application February 4, 1952, Serial No. 18,357
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a moth repellent container or the like, substantially as shown.

166,928
BELL
Sajjan Singh Sarna, New York, N. Y.
Application February 4, 1952, Serial No. 18,352
Term of patent 3½ years
(Cl. D29—1)



The ornamental design for a bell, as shown.

166,929
BELL
Sajjan Singh Sarna, New York, N. Y.
Application February 4, 1952, Serial No. 18,353
Term of patent 3½ years
(Cl. D29—1)



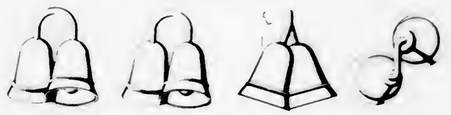
The ornamental design for a bell, as shown and described.

166,930
BELL
Sajjan Singh Sarna, New York, N. Y.
Application February 4, 1952, Serial No. 18,355
Term of patent 3½ years
(Cl. D29—1)



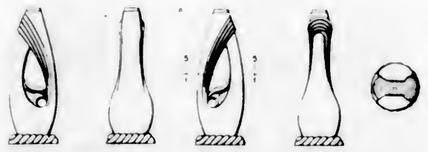
The ornamental design for a bell, as shown.

166,931
CHRISTMAS BELL UNIT
Sajjan Singh Sarna, New York, N. Y.
Application February 27, 1952, Serial No. 18,678
Term of patent 3½ years
(Cl. D29—1)



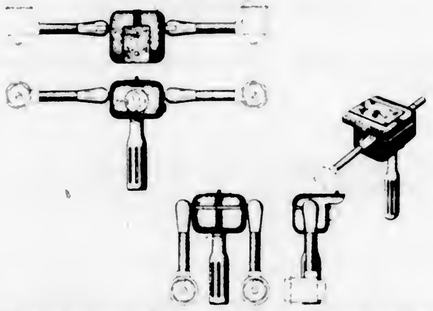
The ornamental design for a Christmas bell unit, as shown.

166,932
BASE FOR TABLE LAMPS
Eugene Schwarz, Alexandria, Ind., assignor to Aladdin Industries, Incorporated, Chicago, Ill., a corporation of Illinois
Application September 22, 1951, Serial No. 16,707
Term of patent 14 years
(Cl. D48—20)



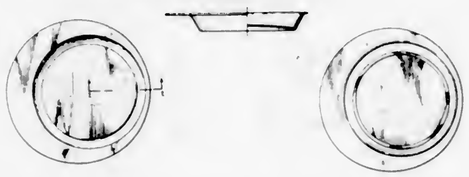
The ornamental design for a base for table lamps, as shown.

166,933
COMBINED CAMERA SUPPORT AND FLOODLIGHT LAMP HOLDER
Abraham Secofsky and Murray A. Meisel, Brooklyn, and Alexander Zalman, Kew Gardens Hills, N. Y.
Application October 22, 1951, Serial No. 17,062
Term of patent 14 years
(Cl. D61—1)



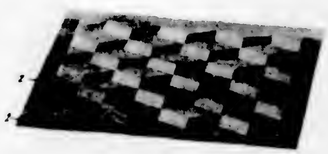
The ornamental design for a combined camera support and floodlight lamp holder, substantially as shown and described.

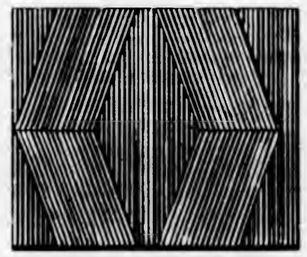
166,934
DINNER PLATE
Simon H. Slobodkin, New York, N. Y., assignor to Canonsburg Pottery Company, Canonsburg, Pa., a corporation of Pennsylvania
Application September 26, 1950, Serial No. 12,353
Term of patent 7 years
(Cl. D44—15)



The ornamental design for a dinner plate, as shown.

166,935
FLOOR MAT
Anthony Sobolewsky, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 21, 1951, Serial No. 15,271
Term of patent 14 years
(Cl. D9—6)





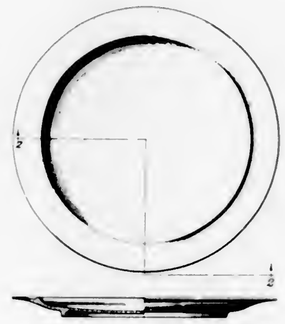
The ornamental design for a floor mat, as shown.

166,936
COFFEE POT
Franz Wagner, Chicago, Ill., assignor to Easterling China Company
Application October 30, 1951, Serial No. 17,171
Term of patent 3½ years
(Cl. D44—26)



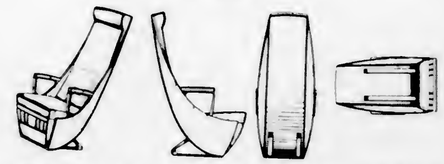
The ornamental design for a coffee pot, as shown.

166,937
DINNER PLATE
Franz Wagner, Chicago, Ill., assignor to Easterling China Company, Chicago, Ill., a corporation of Illinois
Application October 31, 1951, Serial No. 17,197
Term of patent 3½ years
(Cl. D44—15)



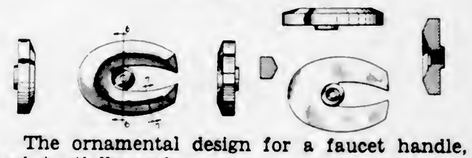
The ornamental design for a dinner plate, as shown.

166,938
CHAIR
Reuben Edmund Weltz, Malton, Ontario, Canada
Application May 29, 1951, Serial No. 15,337
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a chair, as shown.

166,939
FAUCET HANDLE
Stephen A. Young, Delphi, Ind.
Application August 28, 1951, Serial No. 16,465
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a faucet handle, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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Reissues	3	No.	23,510	to No.	23,512, inclusive
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Patents	849	No.	2,599,526	to No.	2,600,374, inclusive
Designs	78	No.	166,940	to No.	167,017, inclusive
Total	1,311				

Patents expiring: Patent Numbers 2,004,088 to 2,004,918, inclusive, issued June 11, 1935, expire June 11, 1952

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. Serial No. 583,066, June 10. Class 2.

Allied Laboratories, Inc., Kansas City, Mo. Sedative expectorant. Serial No. 619,783, June 10. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Veterinary intravenous anesthetic agent. Serial No. 619,784, June 10. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Preparation for the treatment of heartworms. Serial No. 619,786, June 10. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Preparation for the treatment of patients with psychic fatigue, mental depression, etc. Serial No. 619,787, June 10. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Preparation indicated for the relief of spasmodic conditions. Serial No. 619,788, June 10. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Diphtheria and tetanus toxoids and pertussis vaccine. Serial No. 619,789, June 10. Class 18.

Allied Laboratories, Inc., Kansas City, Mo. Veterinary preparation. Serial Nos. 619,790–3, June 10. Class 18.

Allied Manufacturing, Inc., Cleveland, Ohio. Bowling game apparatus. Serial No. 591,761, June 10. Class 22.

American Art Clay Company, Indianapolis, Ind. Modeling clay. Serial No. 610,251, June 10. Class 1.

American Cyanamid Company, New York, N. Y. Frothing agents. Serial No. 621,249, June 10. Class 6.

American Kitchen Products Company, Jersey City, N. J. Preparations in the form of cubes for making beef broth, chicken broth, and vegetable broth. Serial No. 619,062, June 10. Class 46.

Aquascutum, Limited, London, England. Ladies' coats and men's overcoats. Serial No. 614,684, June 10. Class 39.

Argonaut Mills, Milwaukee, Wis. Knitted pile fabric. Serial No. 620,992, June 10. Class 42.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready-mixed paint, paste paint and semipaste paint, varnishes, etc. Serial No. 556,054–5, June 10. Class 16.

Associated Merchandising Corporation, The, New York, N. Y. Bedspreads, cotton and rayon mixture and all rayon fabrics for draperies. Serial No. 619,377, June 10. Class 42.

Aurora Equipment Company, doing business as Equipto Division of Aurora Equipment Co., Aurora, Ill. Steel shelving units, vertical parts bins, and service counters. Serial No. 591,906, June 10. Class 32.

Automatic Controls Corporation, Ann Arbor, Mich. Detergent tablets. Serial No. 613,113, June 10. Class 52.

Bagatelle Publishing Co. Inc., New York, N. Y. Monthly magazine. Serial No. 621,125, June 10. Class 38.

Barclay Knitwear Co., Inc., New York, N. Y. Play shirts. Serial No. 619,287, June 10. Class 39.

Becker, Henry, & Son, Inc., Roseland, N. J. Dairy products. Serial No. 611,072, June 10. Class 46.

Becton Dickinson and Company, Rutherford, N. J. Syringes and needles made for hypodermic and other medical and surgical uses, clinical thermometers, etc. Serial No. 538,859, June 10. Class 44.

Behr-Manning Corporation, Troy, N. Y. Adhesives. Serial No. 620,390, June 10. Class 5.

Bernad Creations, Ltd., Mount Vernon, N. Y. Ash-trays, cigarette boxes and cigarette lighters. Serial No. 616,620, June 10. Class 8.

Biddle, James G., Co., Philadelphia, Pa. Portable direct-reading instrument. Serial No. 618,672, June 10. Class 26.

Bisceglia Brothers Wine Co., doing business as Winedale Vineyards Co., Fresno, Calif. Wines. Serial No. 611,884, June 10. Class 47.

Blaze, Ben B., doing business under the fictitious name and style of One-Two Sales, San Francisco, Calif. Chlorophyll tablets. Serial No. 607,283, June 10. Class 18.

Blue Anchor Packing Co., Inc., Blue Anchor, N. J. Frozen oysters, and frozen cooked crab cakes. Serial No. 595,490, June 10. Class 46.

Bon Aire Specialties: *See*—
Kepler, Edward J.

Borax Consolidated, Limited, London, England, doing business as Pacific Coast Borax Co., Division of Borax Consolidated, Limited, Los Angeles, Calif. Weed control preparation. Serial No. 621,099, June 10. Class 6.

Botany Mills, Inc., Passaic, N. J. Periodical. Serial No. 621,100, June 10. Class 38.

Brecht Candy Co.: *See*—
Brecht Candy Company.

Brecht Candy Company, Denver, Colo., assignee of Brecht Candy Co. Candy. Serial No. 541,399, June 10. Class 46.

Brecht Candy Company, Denver, Colo. Chocolate candy. Serial No. 625,455, June 10. Class 46.

Brown & Brown: *See*—
Brown, Samuel.

Brown, Samuel, doing business as Brown & Brown, Mobile, Ala. Canvas products. Serial No. 622,970, June 10. Class 50.

Bryton Chemical Co., Elizabeth, N. J. Sulfonates. Serial No. 620,194, June 10. Class 6.

Bubble-O-Bill Company: *See*—
Corcoran, Robert J.

Bubble-O-Bill Corporation, assignee: *See*—
Corcoran, Robert J.

Buckeye Steel Castings Company, The, Columbus, Ohio. Railway car trucks and the component parts. Serial No. 622,426, June 10. Class 19.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. Serial No. 607,484, June 10. Class 42.

Carlisle Shoe Company, Carlisle, Pa. Ladies' and girls' shoes. Serial No. 621,543, June 10. Class 39.

Carpenter Steel Company, The, Reading, Pa. Steel. Serial No. 618,683, June 10. Class 14.

Chapeaux Mossant, Bourg-de-Peage, France. Felt hats. Serial No. 618,270, June 10. Class 39.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail lacquer. Serial No. 592,979, June 10. Class 51.

Chesapeake Shoe Mfg. Co., The, Baltimore, Md. Women's shoes. Serial No. 619,740, June 10. Class 39.

Chillo Products Co., San Francisco, Calif. Chocolate coatings, syrup toppings and crushed fruits. Serial No. 566,212, June 10. Class 46.

Close-Up, Inc., New York, N. Y., Chicago, Ill., Los Angeles, Calif., and St. Louis, Mo. Magazine. Serial No. 621,133, June 10. Class 38.

Clover Farm Stores Corporation, Cleveland, Ohio. Self-polishing floor wax, inside and outside ready mixed paints, etc. Serial No. 552,941, June 10. Class 4.

Colonial Sugar Refining Company, Limited, The, Sydney, New South Wales, Australia. Canned pineapple. Serial No. 592-252–3, June 10. Class 46.

Colonial Sugar Refining Company, Limited, The, Sydney, New South Wales, Australia. Canned pineapple juice. Serial No. 592,254, June 10. Class 46.

Colonial Sugar Refining Company, Limited, The, Sydney, New South Wales, Australia. Canned pineapple. Serial No. 592,255, June 10. Class 46.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial No. 604,689, June 10. Class 23.

Columbia Bedding Company, Chicago, Ill. Mattresses and box springs. Serial No. 621,134, June 10. Class 32.

Connie Dee Fashions, New York, N. Y. Ladies' suits and coats. Serial No. 608,921, June 10. Class 39.

Conrad Rice Milling and Planting Company, New Iberia, La. Rice. Serial No. 609,167, June 10. Class 46.

Consolidated Products Company, Danville, Ill. Animal feed. Serial No. 619,190, June 10. Class 46.

Corcoran, Robert J., doing business as Bubble-O-Bill Company, Beverly Hills, assignor to Bubble-O-Bill Corporation, Los Angeles, Calif. Medallions, finger rings, necklaces and bracelets. Serial No. 610,259, June 10. Class 28.

Cory Corporation, operating under the name Nicro Steel Products Co. Division of Corp Corporation, Chicago, Ill. Filters. Serial No. 624,229, June 10. Class 31.

Creamery Package Mfg. Company, The, Chicago, Ill. Dairy products processing machinery and equipment. Serial No. 527,916, June 10. Class 23.

Crown Can Company, Philadelphia, Pa. Metal cans. Serial No. 574,822, June 10. Class 2.

Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue. Serial No. 622,012, June 10. Class 37.

Culpeper House Limited, London, England. Shampoos and perfumed soap. Serial No. 607,894, June 10. Class 52.

Curtis, Dorothy S., Washington, D. C. Shorts for men, women and children. Serial No. 609,789, June 10. Class 39.

Davies-Young Soap Company, The, Dayton, Ohio. Cleaner for floor scrubbing solutions. Serial No. 603,355, June 10. Class 52.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 624,472, June 10. Class 42.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 624,475, June 10. Class 42.

Deering, Milliken & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 624,477, June 10. Class 42.

Dianol, Incorporated, St. Petersburg, Fla. Insecticidal paints and insecticide ingredient for paint. Serial No. 601,493, June 10. Class 16.

Dodge & Olcott, Inc., New York, N. Y. Vanilla and other flavor bases for use in the manufacture of maltless soft drinks. Serial No. 613,056, June 10. Class 45.

Doniger, David D., & Co., Inc., New York, N. Y. Men's and boys' wearing apparel. Serial No. 620,304, June 10. Class 39.

Doniger, David D., & Co., Inc., New York, N. Y. Men's and boys' wearing apparel. Serial No. 620,841, June 10. Class 39.

Dunbar Furniture Manufacturing Company, Berne, Ind. Upholstery fabrics. Serial No. 556,562, June 10. Class 42.

Ebco Manufacturing Company, The, Columbus, Ohio. Electrically actuated, refrigerated beverage coolers and dispensers. Serial No. 621,004, June 10. Class 31.

El Dorado Oil Works, San Francisco, Calif. Defoaming agent. Serial No. 619,384, June 10. Class 6.

El Dorado Oil Works, San Francisco, Calif. Mixture of fatty acids suitable for use in making soap. Serial No. 619,385, June 10. Class 6.

Ellis Brothers, Inc., Chicago, Ill. Wines. Serial No. 571,958, June 10. Class 47.

Enger-Kress Company, West Bend, Wis. Billfolds, pocket secretaries, key cases, and empty comb and file cases. Serial No. 612,996, June 10. Class 3.

Ensco Mfg. Co.: *See*—
Stange, Edward N.

Equipto Division of Aurora Equipment Co.: *See*—
Aurora Equipment Company.

Erlanger, Theodor D., Kew Gardens, N. Y. Exposure meters. Serial No. 614,822, June 10. Class 26.

Esco Cabinet Company, West Chester, Pa. Milk coolers. Serial No. 608,397, June 10. Class 31.

Euclid Candy Company, Inc., The, Brooklyn, N. Y. Candy. Serial No. 601,610, June 10. Class 46.

Eureka Williams Corporation, Bloomington, Ill. Dirt collecting receptacles. Serial No. 578,578, June 10. Class 2.

Farquhar, A. B., Company, York, Pa. Plows, plow stocks, steam engines, etc. Serial No. 612,200, June 10. Class 23.

Fenn Bros., Inc., assignee: *See*—
Trudeau Candies, Inc.

Fibre Board Container Corporation, Richmond, Va. Corrugated fibre board shipping boxes and solid fibre board shipping boxes. Serial No. 597,602, June 10. Class 2.

Fidelity Machine Company, Inc., Philadelphia, Pa. Knitted and woven outerwear. Serial No. 616,818, June 10. Class 39.

Fine Products Corporation, Augusta, Ga. Candy. Serial No. 622,109, June 10. Class 46.

Fitts Dry Goods Company, Kansas City, Mo. Ladies' coats and suits. Serial No. 622,018, June 10. Class 39.

Flaming Pit, Inc., The, Denver, Colo. Serving food and beverages in restaurants. Serial No. 603,359, June 10. Class 100.

Fleischman, M. R., Co., San Francisco, Calif. Ladies' sportswear. Serial No. 609,291, June 10. Class 39.

Florsheim Shoe Company, The, Chicago, Ill. Footwear. Serial No. 611,085, June 10. Class 39.

Flying B Honey Co., Delta, Colo. Honey. Serial No. 621,552, June 10. Class 46.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 619,617, June 10. Class 42.

Fricke, J. E., Co., The, Philadelphia, Pa. Portable plastic twine holder. Serial No. 590,780, June 10. Class 2.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 615,112, June 10. Class 42.

Gallenkamp Stores Co., Los Angeles, Calif. Shoes. Serial No. 601,430, June 10, Class 39.

Gehring Textiles, Inc., New York, N. Y. Textile fabrics. Serial No. 618,849, June 10. Class 42.

General Foods Corporation, New York, N. Y. Table syrup. Serial No. 623,266, June 10. Class 46.

Girl Scouts of the United States of America, New York, N. Y. Women's and girls' clothing. Serial No. 610,680, June 10. Class 39.

Globe Distributing Company, The, Washington, D. C. Wines. Serial No. 599,757, June 10. Class 47.

Gly-Ders Footwear, Racine, Wis. Men's shoes and slippers. Serial No. 619,618, June 10. Class 39.

Goldberg, S., & Co., Inc., Hackensack, N. J. House slippers. Serial No. 618,113, June 10, Class 39.

Gossard, H. W., Co., The, Chicago, Ill. Girdles, panties, and brassières. Serial No. 617,755, June 10. Class 39.

Great Lakes Carbon Corporation, New York, N. Y. Diatomaceous earth in finely comminuted form for use as a filter aid. Serial No. 562,703, June 10. Class 31.

Greater Seattle, Inc., Seattle, Wash. Inner and outer shirts. Serial No. 602,449, June 10. Class 39.

Greatrex Ltd., New York, N. Y. Hair and clothes brushes. Serial No. 598,362, June 10. Class 29.

Greene, Ben, New York, N. Y. Men's, women's boys' and girls' caps. Serial No. 612,801, June 10. Class 39.

Grosset & Dunlap, Inc., New York, N. Y. Books. Serial No. 604,299, June 10. Class 38.

Gymer, Frederick E., Cleveland, Ohio. Preparation of advertising and sales promotion material. Serial No. 599,870, June 10. Class 101.

Hardman, H. V., Co. Incorporated, Belleville, N. J. Adhesive cement. Serial No. 606,013, June 10. Class 5.

Har-Ken Products, Inc., Chicago, Ill. Combination baby stroller, rocker, sled and walker. Serial No. 575,908, June 10. Class 19.

Hat Corporation of America, Norwalk, Conn. Men's hats, caps, overcoats, etc. Serial No. 619,620, June 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Men's hats, caps, coats, etc. Serial No. 619,940, June 10. Class 39.

Hauserman, E. F., Company, The, Cleveland, Ohio. Installation, repairing, and remodelling of movable interior walls or partitions. Serial No. 603,998, June 10. Class 103.

Heath, L. S., & Sons, Inc., Robinson, Ill. Ice cream, cheddar cheese, creamed cottage cheese, etc. Serial No. 601,904, June 10. Class 46.

Hickmott Canning Co., Antioch, Calif. Canned vegetables and canned fruits. Serial No. 614,700, June 10. Class 46.

His Majesty, Incorporated, Poughkeepsie, N. Y. Neckties. Serial No. 615,895, June 10. Class 39.

Hollymode, Inc., Los Angeles, Calif. Sportswear. Serial No. 603,407, June 10. Class 39.

House of Houston, Inc., Miami, Fla. Bird and aviary spray. Serial No. 621,149, June 10. Class 6.

Hudnut, Richard, assignee: *See*—
Chen Yu, Inc.

Ideal Pictures Corporation, Chicago, Ill. Leasing of developed motion picture films. Serial No. 583,132, June 10. Class 107.

Indiana Naval Stores Company, Indianapolis, Ind. Insecticide. Serial No. 610,273, June 10. Class 6.

Industrial Trust Company, Providence, R. I. Banking and trust services. Serial No. 559,925, June 10. Class 102.

International Furniture Company, Chicago, Ill. Mattresses and box springs. Serial No. 621,558, June 10. Class 32.

International Harvester Company, Chicago, Ill. Refrigeration packaging products. Serial Nos. 581,956–7 June 10. Class 2.

International Shoe Co., St. Louis, Mo. Shoes. Serial No. 621,066, June 10. Class 39.

Jaed & Co., Inc., Boston, Mass. Corduroy fabrics. Serial No. 600,286, June 10. Class 42.

Jay Shoe Manufacturing Co., Inc., Cambridge, Mass. Women's and children's shoes. Serial No. 619,757, June 10. Class 39.

Joan Carol Corporation, Garfield, N. J. Ladies' coats and topcoats. Serial No. 621,813, June 10. Class 39.

Jones, Bob, University, Greenville, S. C. Furnishing of motion picture films on a lease basis. Serial No. 618,834, June 10. Class 107.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's clothing. Serial No. 535,850, June 10. Class 39.

Joyce, Inc., Pasadena, Calif. Women's overshoes. Serial No. 595,786, June 10. Class 39.

Kalamazoo Limited, Northfield, Birmingham, England. Loose-leaf books and binders, accounting, record, and ledger sheets. Serial No. 601,150, June 10. Class 37.

Kalamazoo Pant Company, Kalamazoo, Mich. Dress, negligee, work and sport shirts, pajamas, polo shirts, etc. Serial No. 620,468, June 10. Class 39.

Kepler, Edward J., doing business under the name of Bon Aire Specialties, Chicago, Ill. Home hair waving supplies. Serial No. 583,539, June 10. Class 44.

Koepplinger's Bakery, Detroit, Mich. Bread. Serial No. 582,485, June 10. Class 46.

Kolodny, Joseph, Baltimore, Md. Information and instructive service relating to traffic laws and traffic problems. Serial No. 620,607, June 10. Class 107.

Koret of California, Inc., San Francisco, Calif. Women's, misses' and children's dresses, halters, outer shorts, outer shirts, etc. Serial No. 605,311, June 10. Class 39.

Krafco Container Corporation, West Monroe, La. Cartons and boxes. Serial No. 580,487, June 10. Class 2.

La Maida, Thomas, Cleveland, Ohio. Graduation cap. Serial No. 618,547, June 10. Class 39.

Larroque Drug Co., Jeanerette, La. Medicinal preparation. Serial No. 618,049, June 10. Class 18.

Lassman, Benjamin, & Son, Pittsburgh, Pa. Hydraulic cylinder linear actuators. Serial No. 606,146, June 10. Class 23.

Lehon Company, The, Chicago, Ill. Aprons, overall coats, overall pants, etc. Serial No. 520,743, June 10. Class 39.

Leiby, Dayton O., doing business as Tate-O-Nut Donut Shop, Alhambra, Calif. Ground meat sandwiches. Serial No. 611,793, June 10. Class 46.

Little Studios: *See*—
Michaels, Warren.

M. J. B. Co., Wilmington, Del., and San Francisco, Calif. Coffee, rice and dried beans. Serial No. 622,303, June 10. Class 46.

Macy, R. H., & Co., Inc., New York, N. Y. Hats. Serial No. 620,920, June 10. Class 39.

Magnethermic Corporation, Youngstown, Ohio. Low frequency induction furnaces. Serial No. 620,106, June 10. Class 21.

Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. Serial No. 621,217, June 10. Class 39.

Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Hypnotic or sedative preparations. Serial No. 566,828, June 10. Class 18.

Marvel Industries, Inc., Skokie, Ill. Materials handling trucks. Serial No. 612,551, June 10. Class 19.

McIntire Connector Company, Newark, N. J. Solid desiccant. Serial No. 611,182, June 10. Class 6.

Merck & Co., Inc., Rahway, N. J. Medicinal substance. Serial No. 603,744, June 10. Class 18.

Metz, H., Inc., Paterson, N. J. Ladies' dress or street shoes. Serial No. 547,645, June 10. Class 39.

Meyercord Co., The, Chicago, Ill. Decalcomanias. Serial No. 617,153, June 10. Class 38.

Michaels, Warren, doing business under the name of Little Studios, Atlanta, Ga. Photographic prints. Serial No. 619,547, June 10. Class 38.

Micromatic Hone Corporation, Detroit, Mich. House organ. Serial No. 621,326, June 10. Class 38.

Middlebrooke Lancaster, Inc., Brooklyn, N. Y. Electrically heated caps, facial masks and electrically heated mittens. Serial No. 596,173, June 10. Class 44.

Miss France Coats, Inc., New York, N. Y. Ladies' coats, suits and sport jackets. Serial No. 615,715, June 10. Class 39.

Mitchell Manufacturing Company, Chicago, Ill. Refrigerating units. Serial No. 596,175, June 10. Class 31.

Modell, Henry, & Co., Inc., New York, N. Y. Men's, women's and children's shoes and moccasins, raincoats, rubber ponchos, etc. Serial No. 541,160, June 10. Class 39.

Morse, Incorporated, New York, N. Y. Textile bath towels. Serial No. 611,651, June 10. Class 42.

National Automotive Fibres, Inc., Oakland, Calif. Yarn. Serial No. 621,897, June 10. Class 43.

National Hosiery Mills, Inc., Indianapolis, Ind. Women's hosiery. Serial No. 562,875, June 10. Class 39.

National Lead Company, Sayreville, N. J., and New York, N. Y. Lead oxide, mixtures of lead oxide with lead chromate, etc. Serial No. 618,711, June 10. Class 6.

National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. Serial No. 620,549, June 10. Class 42.

National Sportswear Corp., Forest City, Pa. Men's and boys' sportswear. Serial No. 609,735, June 10. Class 39.

Nicro Steel Products Co. Division of Cory Corporation: *See*—
Cory Corporation.

Noble, F. H., & Co., Chicago, Ill. Statuettes, figurines, plaques, etc. Serial No. 537,347, June 10. Class 50.

No-Boil Fluid Chemical Company, Jamestown, N. Y. Washing compound. Serial No. 587,162, June 10. Class 52.

Nolder Steel Company, Chicago, Ill. Treatment of sheets or coils of metal, etc. Serial No. 607,231, June 10. Class 106.

Oakland Strawberry Association, Incorporated, Oakland, Ky. Fresh and frozen strawberries. Serial No. 612,270, June 10. Class 46.

Offley Forrester, Limitada, Vila Nova De Gaia, Portugal. Port wine. Serial No. 579,616, June 10. Class 47.

Ohio Rubber Company, The, Willoughby, Ohio. Finished tops of tables, cabinets, bars, etc. Serial No. 598,540, June 10. Class 32.

One-Two Sales: *See*—
Blaze, Ben B.

Pacific Coast Borax Co., Division of Borax Consolidated, Limited: *See*—
Borax Consolidated, Limited.

Pallas Chemicals Limited, Newcastle-upon-Tyne, England. Bituminous coating material. Serial No. 590,028, June 10. Class 16.

Pallas Chemicals Limited, Newcastle-upon-Tyne, England. Chemical preparations. Serial No. 590,029, June 10. Class 6.

Paramount Hat Corporation, St. Louis, Mo. Ladies' hats. Serial No. 574,858, June 10. Class 39.

Peerless Camera Stores, Inc., New York, N. Y. Photographic apparatus. Serial No. 599,578, June 10. Class 26.

Penick, S. B., & Company, New York, N. Y. Insecticides. Serial No. 590,101, June 10. Class 6.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Alkaline detergents. Serial No. 607,450, June 10. Class 52.

Permo, Incorporated, Chicago, Ill. Thermosetting resin adhesive. Serial No. 604,593, June 10. Class 5.

Petrolite Corporation, Ltd., Webster Groves, Mo. Reagents. Serial No. 618,597, June 10. Class 6.

Phi Alpha Theta, Allentown, Pa. Organizing of chapters of a national honorary history fraternity, etc. Serial No. 604,384, June 10. Class 100.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda and silicate of potash. Serial No. 618,469, June 10. Class 6.

Pioneer Rubber Company, The, Willard, Ohio. Household or light industrial gloves. Serial No. 622,353, June 10. Class 39.

Porres, Rosa E., Barcelona, Spain. Cravats. Serial No. 617,122, June 10. Class 39.

Powell, Wm., Company, The, Cincinnati, Ohio. Angle valves, blowoff valves, check valves, etc. Serial No. 523,533, June 10. Class 13.

Ramhoc Ltd., New York, N. Y. Woven textile fabrics. Serial No. 605,560, June 10. Class 42.

Ravasi, Giuseppe, Como, Italy. Neckties, handkerchiefs, dressing gowns, and scarves. Serial No. 601,232, June 10. Class 39.

Reed Roller Bit Company, Houston, Tex. Deep well earth core drilling bits and core-taking equipment. Serial No. 546,426, June 10. Class 23.

Riley Brothers (Halifax) Limited, Halifax, Yorkshire, England. Candy. Serial No. 617,731, June 10. Class 46.

Rockwell Manufacturing Company, Pittsburgh, Pa. Stick glue, and liquid cement. Serial No. 611,536, June 10. Class 5.

Rolladenfabrik A. Griesser A.-G., Aadorf, Switzerland. Venetian blind. Serial No. 611,812, June 10. Class 32.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Cleansing powder. Serial No. 598,604, June 10. Class 52.

Saks & Company, New York, N. Y. Men's and boys' hats, shoes, collars, etc. Serial No. 621,685, June 10. Class 39.

Salient, Inc., East Longmeadow, Mass. Wallets, key cases, memo purses, etc. Serial No. 610,232, June 10. Class 3.

Sato, J. & K., National City, Calif. Fresh vegetables. Serial No. 622,314, June 10. Class 46.

Savada Bros., Inc., New York, N. Y. Boys' jackets. Serial No. 600,981, June 10. Class 39.

Schiele Products, Mt. Prospect, Ill. Automatically opening and closing tripod supports for golf bags. Serial No. 601,851, June 10. Class 22.

Schlumberger Well Surveying Corporation, Houston, Tex. Services rendered in connection with oil, gas, and water wells. Serial No. 607,903, June 10. Class 100.

Scholes, T. F., Inc., Reading, Pa. Railroad track construction engineering and repair. Serial No. 615,086, June 10. Class 103.

Seacoast Laboratories Inc., New York, N. Y. Chemical preparation. Serial No. 602,474, June 10. Class 6.

Seal-Peel, Inc., New York, N. Y., and Van Dyke City, Mich. Treating articles of manufacture of others with a plastic protective coating for shipping and storage. Serial No. 624,913, June 10. Class 103.

Sears, Roebuck and Co., Chicago, Ill. Cannister sets (flour, sugar, spice cans), metal cake tray and cover sets, pantry bins, etc. Serial No. 550,083, June 10. Class 2.

Sears, Roebuck and Co., Chicago, Ill. Children's and misses' footwear. Serial No. 561,500, June 10. Class 39.

Sexton, John, & Co., Chicago, Ill. Meat products, baking aids, seasoning materials, etc. Serial No. 578,715, June 10. Class 46.

Sharples Chemicals Inc., Philadelphia, Pa. Vulcanization accelerators. Serial No. 614,578, June 10. Class 6.

Sharples Chemicals Inc., Philadelphia, Pa. Amines and mixtures. Serial No. 614,580, June 10. Class 6.

Shlansky, Philip, & Sons, Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets and skirts. Serial No. 609,144, June 10. Class 39.

Silvertex Company, The, Philadelphia, Pa. Men's, boys', women's and children's outer garments. Serial No. 619,366, June 10. Class 39.

Simoniz Company, The, Chicago, Ill. Cleaning and polishing compounds. Serial No. 611,151, June 10. Class 4.

Simoniz Company, The, Chicago, Ill. Chrome and metal cleaner. Serial No. 611,152, June 10. Class 52.

Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface wall covering of the nature of linoleum. Serial No. 617,732, June 10. Class 20.

Smith, Chester W., doing business under the name and style of Whitfield Chemical Company, Detroit, Mich. Emulsifying agent. Serial No. 601,476, June 10. Class 6.

Society Brand Clothes, Inc., Chicago, Ill. Men's clothing. Serial No. 575,232, June 10. Class 39.

Soderberg & Kenyon, Denver, Colo. Fish hooks. Serial No. 602,113, June 10. Class 22.

Soderblom, Jonas, doing business as Wettex Company, New York, N. Y. Wash cloths and dish cloths. Serial No. 616,975, June 10. Class 42.

Spurgeon Hosiery Corporation, Philadelphia, Pa. Women's nylon hosiery. Serial No. 604,815, June 10. Class 39.

Standard Food Products Corp., Brooklyn, N. Y. Wines. Serial No. 588,533, June 10. Class 47.

Stange, Edward N., doing business as Ensco Mfg. Co., Chicago, Ill. Plastic gloves. Serial No. 620,629, June 10. Class 39.

Stein, S., & Co., Inc., New York, N. Y. Woolen fabrics. Serial No. 610,764, June 10. Class 42.

Stelber Cycle Corp., Brooklyn, N. Y. Children's tricycles, children's bicycles, small diameter wheeled sidewalk bicycles, etc. Serial No. 601,481, June 10. Class 22.

Stocker Manufacturing Company, Netcong, N. J. Sealing tapes. Serial No. 613,536, June 10. Class 5.

Suit-4-All, Inc., New York, N. Y. Ladies' suits. Serial No. 610,034, June 10. Class 39.

Sun Rubber Company, The, Barberton, Ohio. Rubber bulbs, and rubber soap trays. Serial No. 613,093, June 10. Class 2.

Sunshine Biscuits, Inc., Long Island City, N. Y. Crackers. Serial No. 542,057, June 10. Class 46.

Tate-O-Nut Donut Shop: *See*—
Leiby, Dayton O.

Therman Leather Goods Co. Inc., New York, N. Y. Leather brief cases. Serial No. 578,651, June 10. Class 3.

Tillett, Jim, Tacubaya, Mexico City, Mexico. Men's outer shirts, bathing suits, beach robes, etc. Serial No. 599,132, June 10. Class 39.

Topps Chewing Gum, Incorporated, Brooklyn, N. Y. Chewing gum. Serial No. 558,193, June 10. Class 46.

Tremco Manufacturing Company, The, Cleveland, Ohio. Emulsion floor waxes. Serial No. 611,923, June 10. Class 4.

Trudeau Candies, Inc., St. Paul, Minn., assignor to Fenn Bros., Inc., Sioux Falls, S. Dak. Candy. Serial No. 614,857, June 10. Class 46.

Trusty Manufacturers, Inc., La Porte, Ind. Hand trucks and dollies. Serial No. 605,452, June 10. Class 19.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 620,942, June 10. Class 2.

United States Rubber Company, New York, N. Y. Men's boots. Serial No. 601,241, June 10. Class 39.

United States Stove Company, South Pittsburg, Tenn. Stoves. Serial No. 617,896, June 10. Class 34.

Velveray Cornoration, Clifton, N. J., Fall River, Mass., and New York, N. Y. Printing, decorating, and ornamenting sheet plastic materials. Serial No. 610,878, June 10. Class 106.

Victoria Silk Press Co., St. Louis, Mo. Neckties. Serial No. 619,046, June 10. Class 39.

Waite Carpet Co., Oshkosh, Wis. Rugs and carpets. Serial Nos. 620,905–7, June 10. Class 42.

Walworth Company, Boston, Mass. Cast metal valves and pipe fittings. Serial Nos. 611,867–8, June 10. Class 13.

Warren Knitting Mills, Inc., New York, N. Y. Hosiery. Serial No. 613,099, June 10. Class 39.

Webster-Chicago Corporation, Chicago, Ill. Sound equipment, accessories thereof, and parts thereof. Serial No. 619,118, June 10. Class 21.

West Disinfecting Company, Long Island City, N. Y. Synthetic detergent and organic inhibitor. Serial No. 610,772, June 10. Class 52.

Westchester Hat Company, St. Louis, Mo. Hats and caps. Serial No. 610,531, June 10. Class 39.

Wettex Company: *See*—
Soderblom, Jonas.

White Motor Company, The, Cleveland, Ohio. Motor trucks and buses. Serial No. 578,660, June 10. Class 19.

White Motor Company, The, Cleveland, Ohio. Internal combustion engines. Serial No. 579,244, June 10. Class 23.

Whitfield Chemical Company: *See*—
Smith, Chester W.

Wiesen, Max, & Sons Co., Inc., New York, N. Y. Women's, misses' and girls' dresses, suits, blouses, etc. Serial No. 610,942, June 10. Class 39.

Wilder Trading Corporation, New York, N. Y. Canned fish. Serial No. 611,869, June 10. Class 46.

Williamsen Body & Equipment Co., Ogden, Utah. Truck trailers, truck bodies, truck cabs, etc. Serial No. 599,204, June 10. Class 19.

Willis Hosiery Mills Inc., Concord, N. C. Hosiery. Serial No. 611,926, June 10. Class 39.

Willys-Overland Motors, Inc., Toledo, Ohio. Automobile vehicles and structural parts thereof. Serial No. 463,220, June 10. Class 19.

Winedale Vineyards Co.: *See*—
Bisceglia Brothers Wine Co.

Wood, Alexander, & Son, Peterhead, Scotland. Herrings preserved in brine. Serial No. 618,253, June 10. Class 46.

Wood, J. A., doing business as J. A. Wood Company, Phoenix, Ariz. Fresh vegetables. Serial No. 623,324, June 10. Class 46.

Wood, J. A., Company: *See*—
Wood, J. A.

Wood's Mincemeat Company, Baltimore, Md. Mincemeat. Serial No. 621,741, June 10. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A & H Doll Manufacturing Corp., Woodside, N. Y. Miniature dressed dolls. 559,889, June 10; Serial No. 610,943, published Jan. 8, 1952. Class 22.

A & H Doll Manufacturing Corp., Woodside, N. Y. Miniature dressed dolls. 559,894, June 10; Serial No. 611,674, published Jan. 8, 1952. Class 22.

A & H Doll Manufacturing Corp., Woodside, N. Y. Dolls. 559,932, June 10; Serial No. 614,802, published Mar. 11, 1952. Class 22.

Abbott Laboratories, North Chicago, Ill. Muscle relaxant. 559,921, June 10; Serial No. 614,279, published Jan. 22, 1952. Class 18.

Adams, Frederick J., doing business as Adams Welding Service, Philadelphia, Pa. Combination chum pot, minnow trap and minnow bucket. 559,757, June 10; Serial No. 571,834, published Mar. 11, 1952. Class 22.

Adams Welding Service: *See*—
Adams, Frederick J.

Adirondack Mountain Products Co.: *See*—
Shea, James.

Aerovox Corporation, New Bedford, Mass. Electrical capacitors. 559,884, June 10; Serial No. 610,304, published Mar. 4, 1952. Class 21.

Aktiengesellschaft Chocolat Tobler, also trading as Chocolat Tobler, Limited, and Societe Anonyme Chocolat Tobler, Berne, Switzerland. Chocolate bars. 559,943, June 10; Serial No. 616,218, published Mar. 18, 1952. Class 46.

Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif. Cattle feed. 559,760, June 10; Serial No. 574,127, published Feb. 12, 1952. Class 46.

Aldens, Inc., Chicago, Ill. Bicycles. 559,890, June 10; Serial No. 611,007, published Oct. 30, 1951. Class 19.

Allied Minerals, Inc., West Chelmsford, Mass. Poultry feeding materials. 559,764, June 10; Serial No. 576,785, published Mar. 18, 1952. Class 46.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dielectric heating units. 559,893, June 10; Serial No. 611,391, published Feb. 5, 1952. Class 21.

Allis Seal Corporation, Chicago, Ill. Oil seals made of leather or synthetic material. 560,021, June 10; Serial No. 603,176. Class 35.

Alpha Electronics, Inc., Little Ferry, N. J. Horizontal and vertical television deflection yokes. 559,881, June 10; Serial No. 609,468, published Feb. 19, 1952. Class 21.

Alston Manufacturing Company, Oakland, Calif. Device consisting of a tube, nozzle, and brush. 559,820, June 10; Serial No. 598,940, published Mar. 4, 1952. Class 29.

American Bosch Corporation, Springfield, Mass. Service, maintenance, and repair of motor vehicles, etc. 559,990, June 10; Serial No. 596,063, published Mar. 18, 1952. Class 103.

American Flange & Manufacturing Co. Inc.: *See*—
American Flange & Manufacturing Company.

American Flange & Manufacturing Company, Chicago, Ill., to American Flange & Manufacturing Co. Inc., New York, N. Y. Closure structures for openings in metallic containers and parts thereof. 292,449, renewed Mar. 15, 1952. O. G. June 10. Class 13.

American Greeting Publishers, Inc., Cleveland, Ohio, now by change of name American Greetings, Inc. Paper. 559,739, June 10; Serial No. 572,474, published Mar. 18, 1952. Class 37.

American Greetings, Inc.: *See*—
American Greeting Publishers, Inc.

American Iron and Steel Manufacturing Company, Lebanon and Reading, to Bethlehem Steel Company, Bethlehem, Pa. Threaded bolts, machine-bolt blanks, bolt ends, etc. 86,566, re-renewed May 21, 1952. O. G. June 10. Class 13.

American Reenforced Paper Company, Attleboro, Mass. Reinforced paper. 559,743, June 10; Serial No. 553,056, published Mar. 4, 1952. Class 37.

American Steel & Wire Company of New Jersey, The, Hoboken, N. J., to United States Steel Company, Pittsburgh, Pa. Barb-wire. 85,639, re-renewed Mar. 5, 1952. O. G. June 10. Class 13.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J., to United States Steel Company, Pittsburgh, Pa. Wire. 291,849, renewed Feb. 23, 1952. O. G. June 10. Class 14.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, now by merger United States Steel Company. Wire rope lubricant. 559,897, June 10; Serial No. 612,111, published Jan. 22, 1952. Class 15.

American Tire Machinery Inc., Muncie, Ind. Lugs. 512,628, July 19, 1949. Corrected. O. G. June 10. Class 35.

American Vermiculite Corporation, New York, N. Y. Expanded vermiculite. 559,812, June 10; Serial No. 597,572, published Feb. 19, 1952. Class 12.

American Water Works Association, Inc., New York, N. Y. Dissemination of information and publicity. 559,989, June 10; Serial No. 588,849, published Mar. 18, 1952. Class 100.

Amo-Gene: *See*—
Butler, Anna K.

Andrew Brothers, The: *See*—
Andrew, Carlton H.

Andrew, Carlton H., doing business as The Andrew Brothers, Platteville, Wis. Corn seed hybrids and field seeds. 559,739, June 10; Serial No. 537,125, published Mar. 18, 1952. Class 1.

Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Dry colors and pigments for use in printing inks. 559,833, June 10; Serial No. 601,403, published Mar. 18, 1952. Class 11.

Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Dry colors and pigments for use in printing inks. 559,834, June 10; Serial No. 601,405, published Mar. 18, 1952. Class 11.

Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Dry colors and pigments for printing inks. 559,835, June 10; Serial No. 601,409, published Mar. 18, 1952. Class 11.

Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Dry colors and pigments for use in printing inks. 559,836, June 10; Serial No. 601,416, published Mar. 18, 1952. Class 11.

Archer, Clarence D., trading and doing business under the name of Archer Welding Works, Knights Landing, Calif. Wheeled trailers. 559,905, June 10; Serial No. 612,888, published Feb. 19, 1952. Class 19.

Archer Welding Works: *See*—
Archer, Clarence D.

Aries, R. S., and Associates: *See*—
Aries, Robert S.

Aries, Robert S., doing business under the style of R. S. Aries and Associates, New York, N. Y. Consultation and advisory services. 559,987, June 10; Serial No. 585,739, published Mar. 18, 1952. Class 100.

Ashland Oil & Refining Company, Ashland, Ky. Services performed for motorists. 560,001, June 10; Serial No. 580,115, published Dec. 4, 1951. Class 103.

Associated Grocers' Company of St. Louis, Mo., St. Louis, Mo. Butter, chili sauce, coffee, etc. 559,762, June 10; Serial No. 576,246, published Nov. 6, 1951. Class 46.

Atlantic Paper Company, Philadelphia, Pa. Starch coated book paper. 559,821, June 10; Serial No. 599,073, published Mar. 4, 1952. Class 37.

Atlantic Steel Company, Atlanta, Ga. Welding electrodes. 295,927, renewed July 19, 1952. O. G. June 10. Class 14.

Atlantic Steel Company, Atlanta, Ga. Welding rods. 295,928, renewed July 19, 1952. O. G. June 10. Class 14.

Atlas Supply Company, Newark, N. J. Rubber tires and tubes. 291,465, renewed Feb. 9, 1952. O. G. June 10. Class 35.

Atlas Supply Company, Newark, N. J. Golf balls. 291,684, renewed Feb. 23, 1952. O. G. June 10. Class 22.

Atlas Supply Company, Newark, N. J. Caps for automobile gasoline tanks, automobile windshield wipers, etc. 291,757, renewed Feb. 23, 1952. O. G. June 10. Class 19.

Atlas Supply Company, Newark, N. J. Automobile fan belts and automobile radiator hose. 291,995, renewed Mar. 1, 1952. O. G. June 10. Class 35.

Atlas Supply Company, Newark, N. J. Oil filters. 292,092, renewed Mar. 1, 1952. O. G. June 10. Class 31.

Atlas Supply Company, Newark, N. J. Spark plugs. 292,119, renewed Mar. 1, 1952. O. G. June 10. Class 21.

Atlas Supply Company, Wilmington, Del., and Newark, N. J., to Atlas Supply Company, Newark, N. J. Brake linings. 293,307, renewed Apr. 19, 1952. O. G. June 10. Class 35.

Atlas Supply Company, Wilmington, Del., and Newark, N. J., to Atlas Supply Company, Newark, N. J. Razor blades. 294,192, renewed May 24, 1952. O. G. June 10. Class 23.

Atlas Supply Company, Wilmington, Del., and Newark, N. J., to Atlas Supply Company, Newark, N. J. Island display show cases, automobile tire display racks, and storage battery display racks. 295,005, renewed June 14, 1952. O. G. June 10. Class 32.

Atlas Supply Company, Newark, N. J. Chemically treated automobile polishing cloths, nickel polish, chromium polish, etc. 295,109, renewed June 21, 1952. O. G. June 10. Class 29.

Atlas Supply Company, Newark, N. J. Caps for automobile gasoline tanks, automobile windshield wipers, etc. 295,537, renewed July 5, 1952. O. G. June 10. Class 19.

Atlas Supply Company, Newark, N. J. Golf balls. 295,538, renewed July 5, 1952. O. G. June 10. Class 22.

Atlas Supply Company, Newark, N. J. Oil filters. 295,539, renewed July 5, 1952. O. G. June 10. Class 31.

Atlas Supply Company, Newark, N. J. Radiator hose, brake linings, and automobile fan belts. 295,540, renewed July 5, 1952. O. G. June 10. Class 35.

Atlas Supply Company, Newark, N. J. Automobile goggles. 295,541, renewed July 5, 1952. O. G. June 10. Class 26.

Atlas Supply Company, Newark, N. J. Automobile antifreeze compound, automobile radiator cleaning compound, and automobile radiator sealing compound. 295,699, renewed July 12, 1952. O. G. June 10. Class 52.

Attorney General of the United States, Vested in the: *See*—
Nordmark-Werke G. m. b. H. fur Angewandte Chemie.

Audio Devices, Inc., New York, N. Y. Magnetic sound recording tape. 559,788, June 10; Serial No. 590,641, published Mar. 11, 1952. Class 21.

Automobile Dealers Associates, Inc., Chicago, Ill. Antifreeze solution. 559,959, June 10; Serial No. 617,008, published Mar. 18, 1952. Class 6.

Ayer, Harriet Hubbard, Inc., assignor to Lever Brothers Company, New York, N. Y. Face powder and talcum powder. 559,749, June 10; Serial No. 559,898, published Jan. 22, 1952. Class 51.

Babington, Henry M., doing business as Tip-It Manufacturing Co., Renton, Wash. Dispenser for salmon eggs to be used as bait. 560,015, June 10; Serial No. 599,859. Class 22.

Bainbridge, Kimpton and Haupt, Inc., assignee: *See*—
Hold-the-Phone! Inc.

Baker-Roos, Inc., Indianapolis, Ind. Leasing of concrete building forms. 559,997, June 10; Serial No. 606,964, published Mar. 18, 1952. Class 103.

Ballinger, W. A., & Co., San Francisco, Calif. Mops and mop heads. 559,934, June 10; Serial No. 615,207, published Mar. 4, 1952. Class 29.

Barry, Donald, Productions, Inc., Los Angeles, Calif. Cotton print yard goods. 559,968, June 10; Serial No. 617,855, published Mar. 18, 1952. Class 42.

Beach Products, Inc., Kalamazoo, Mich. Cups and plates. 560,011, June 10; Serial No. 591,068. Class 2.

Bear Manufacturing Company, Rock Island, Ill. Automobile frame straighteners, teeter racks for automobiles, etc. 292,908, renewed Mar. 29, 1952. O. G. June 10. Class 23.

Begwaco Meters Limited, Farnworth, near Bolton, England. Gas meters. 559,815, June 10; Serial No. 597,997, published Jan. 8, 1952. Class 26.

Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 559,857, June 10; Serial No. 605,840, published Mar. 18, 1952. Class 4.

Bell Answering System, The, Washington, D. C. Telephone answering service and mail address service. 559,999, June 10; Serial No. 613,627, published Mar. 18, 1952. Class 101.

Bell-Ray Hosiery Company, Detroit, Mich. Hosiery for women and girls. 560,033, June 10; Serial No. 614,130. Class 39.

Bendix Aviation Corporation, South Bend, Ind. Carburetors and other fuel injectors for internal combustion engines. 560,003, June 10; Serial No. 527,125. Class 23.

Bethlehem Steel Company: *See*—
American Iron and Steel Manufacturing Company.

Blair Corset Company, Chicago, Ill. Combinations of strapless brassières and blouses. 560,023, June 10; Serial No. 609,329. Class 39.

Blum, Milton C., Inc., New York, N. Y. Cotton piece goods. 559,977, June 10; Serial No. 619,917, published Mar. 18, 1952. Class 42.

Boehringer, C. F., & Soehne, Mannheim-Waldhof, Germany, to Rare-Galen, Inc., Kenilworth, N. J. Derivatives of salicylic acid. 85,549, re-renewed Feb. 27, 1952. O. G. June 10. Class 6.

Bols, Erven Lucas, Incorporated: *See*—
N. V. Maatschappij tot Voortzetting der Amsterdamsche Likeurstokerij "'t Lootsje" der Erven Lucas Bols.

Book-of-the-Month Club, Inc., New York, N. Y. Fictional and nonfictional books. 559,783, June 10; Serial No. 588,199, published Mar. 18, 1952. Class 38.

Borrowed Timers, The, San Diego, Calif. Printed religious cards. 559,951, June 10; Serial No. 616,544, published Mar. 18, 1952. Class 38.

Boyd, William, Beverly Hills, Calif. Electric lamps. 559,824, June 10; Serial No. 599,812, published Mar. 4, 1952. Class 21.

Bradfield Building Products Co., Los Angeles, to L. M. Scofield Company, Huntington Park, Calif. Cement hardeners and colors. 292,405, renewed Mar. 15, 1952. O. G. June 10. Class 6.

Brateman, Samuel, Houston, Tex. Miniature Hollywood-style toy bed. 559,792, June 10; Serial No. 590,972, published Mar. 18, 1952. Class 22.

Breon, George A., & Company, New York, N. Y. Androgenic hormone preparation. 559,922, June 10; Serial No. 614,335, published Jan. 22, 1952. Class 18.

Briarhurst Travel Service: *See*—
Jones, Luella R.

Brodsky Bros., Providence, R. I. Baby carriages and strollers, etc. 559,813, June 10; Serial No. 597,734, published Mar. 11, 1952. Class 19.

Brody, Leonard, West New York, N. J. Power press tools. 559,742, June 10; Serial No. 548,714, published Feb. 19, 1952. Class 23.

Browne, E. T., Drug Company Inc., New York, N. Y. Medicinal and toilet soap. 296,319, renewed Aug. 2, 1952. O. G. June 10. Class 52.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing tackle. 560,005, June 10; Serial No. 574,891. Class 22.

Burd Piston Ring Company, Rockford, Ill. Automobile heaters and parts and accessories therefor. 559,882, June 10; Serial No. 609,845, published Mar. 4, 1952. Class 19.

Burlington Mills Corporation, Greensboro, N. C. Textile ribbons. 559,859, June 10; Serial No. 606,135, published Mar. 18, 1952. Class 42.

Burton-Dixie Corporation, Chicago, Ill. Mattresses and box springs. 559,825, June 10; Serial No. 600,020, published Mar. 11, 1952. Class 32.

Buryan, Edmund F., Scarsdale, N. Y. Surgical bandages. 559,940, June 10; Serial No. 615,686, published Mar. 18, 1952. Class 44.

Butler, Anna K., doing business under the name Amo-Gene, Chicago, Ill. Dentifrices. 559,795, June 10; Serial No. 592,190, published Mar. 11, 1952. Class 51.

Butler's, Inc., Atlanta, Ga. Ladies' handbags. 559,872, June 10; Serial No. 608,055, published Mar. 25, 1952. Class 3.

California Valley Wine Co., New York, N. Y. Wines. 560,031, June 10; Serial No. 612,788. Class 47.

Cambridge Rubber Company, The, Taneytown, Md. Women's and misses' overshoes. 443,242, Aug. 16, 1949. Republished June 10. Class 39.

Candeaux, Harvey C., trading and doing business as Turkey Products Co., Hillsboro, Oreg. Food composition. 560,020, June 10; Serial No. 602,888. Class 46.

Cement Marketing Company, Limited, The, London, England. Portland cement. 559,927, June 10; Serial No. 614,687, published Mar. 11, 1952. Class 12.

Certain-teed Products Corporation, Ardmore, Pa. Plaster of calcined gypsum. 559,895, June 10; Serial No. 611,758, published Feb. 12, 1952. Class 12.

Champion Soap Co. Inc., New York, N. Y., by The Dagmar Chemical Company, Incorporated, Stamford and Springdale, Conn. Anti-freeze compounds. 289,144, Nov. 17, 1931. Republished June 10. Class 6.

Chase Products Co., Maywood, Ill. Ant and roach powder, red squill, liquid ant killer, etc. 559,791, June 10; Serial No. 590,806, published Mar. 18, 1952. Class 6.

Chemico Laboratories, Inc., Indianapolis, Ind. Tablet for treatment of heart disease. 559,827, June 10; Serial No. 600,647, published Mar. 18, 1952. Class 18.

Cheramy, Inc., New York, N. Y. Personal deodorant. 559,896, June 10; Serial No. 612,003, published Feb. 12, 1952. Class 51.

Chilcott Laboratories, Inc.: *See*—
Maltine Company, The.

Chocolat Tobler, Limited: *See*—
Aktiengesellschaft Chocolat Tobler.

Choice Foods, Inc., Detroit, to Choice Foods, Inc., Center Line, Mich. Chocolate flavored syrup or powder. 295,006, renewed June 14, 1952. O. G. June 10. Class 46.

Claire Manufacturing Company, Chicago, Ill. Room deodorizers and room deodorants. 560,016, June 10; Serial No. 600,569. Class 6.

Click, Robert E., doing business under the assumed name and style of Restaurant Specialty Company, Portland, Oreg. Powerful germicidal sanitizer. 559,842, June 10; Serial No. 602,728, published Mar. 18, 1952. Class 6.

Colorado Milling & Elevator Co., The, Denver, Colo., and elsewhere, doing business as The Wilson Flour Mills, Wilson, Kans. Wheat flour. 559,744, June 10; Serial No. 553,771, published Feb. 5, 1952. Class 46.

Compagnie Nationale Air France, Paris, France, and New York, N. Y. Air transportation of passengers and freight. 559,995, June 10; Serial No. 605,724, published Mar. 18, 1952. Class 105.

Conestoga Company, The: *See*—
Wily, James H.

Consolidated Cosmetics, Chicago, Ill., assignor to Les Parfums de Dana, Inc., New York, N. Y. perfume, lipstick, rouge, and face powder. 559,746, June 10; Serial No. 555,160, published Feb. 12, 1952. Class 51.

Consolidated Orange Growers, Orange, Calif. Fresh citrus fruits. 559,755, June 10; Serial No. 571,515, published Feb. 5, 1952. Class 46.

Craft, Irene F., Ridgewood, N. J. Perfumes. 559,789, June 10; Serial No. 590,651, published Mar. 11, 1952. Class 51.

Craftique, Inc., Mebane, N. C. Furniture. 559,925, June 10; Serial No. 614,540, published Mar. 11, 1952. Class 32.

Cumberland Chemical Company: *See*—
Mann, Bluma M.

Curtis 1000, Incorporated, St. Paul, Minn., and Hartford, Conn. Correspondence envelopes. 559,939, June 10; Serial No. 615,632, published Mar. 18, 1952. Class 37.

Dagmar Chemical Company, Incorporated, The: *See*—
Champion Soap Co. Inc.

Dairy Queen of Florida, Palm Beach, Fla. Heavy bodied milk shakes. 559,844, June 10; Serial No. 603,400, published Aug. 7, 1951. Class 46.

D'Amico, Nicholas, doing business as Suzanne Laboratories, Paterson, N. J. Perfume. 559,868, June 10; Serial No. 607,317, published Feb. 19, 1952. Class 51.

Danbury Rubber Co., Inc., The, Danbury, Conn. Floor and wall tile. 559,935, June 10; Serial No. 615,372, published Feb. 12, 1952. Class 12.

Davega Stores Corporation, New York, N. Y. Photographic cameras, parts of photographic cameras and accessories. 559,976, June 10; Serial No. 619,458, published Feb. 19, 1952. Class 26.

Denny, Hilborn & Rosenbach, to Denny, Hilborn & Rosenbach Incorporated, Philadelphia, Pa. Dry colors, colors mixed in varnish, and ready-mixed decorative and preservative paints. 87,049, re-renewed June 25, 1952. O. G. June 10. Class 16.

Denny, Hilborn & Rosenbach Incorporated: *See*—
Denny, Hilborn & Rosenbach.

Devine, Matthew L., doing business as Ida-Ho-Chip Co., Twin Falls, Idaho. Potato chips. 560,004, June 10; Serial No. 567,506. Class 46.

Diamond Whip Company: *See*—
Soreghen, George L.

Diana Manufacturing Company, Green Bay, Wis. Sanitary pads. 295,439, renewed July 5, 1952. O. G. June 10. Class 44.

Diebold, Incorporated: *See*—
York Safe and Lock Co.

Dietzgen, Eugene, Co., Chicago, Ill. Drawing templates. 559,738, June 10; Serial No. 534,252, published Feb. 12, 1952. Class 26.

Domore Chair Company Inc., Elkhart, Ind. Office, household, and factory chairs. 559,937, June 10; Serial No. 615,488, published Mar. 11, 1952. Class 32.

Double Five Products, Inc., Washington, D. C. Traveling and utility cases. 559,899, June 10; Serial No. 612,313, published Mar. 25, 1952. Class 3.

Doughty Research and Development Corporation, assignor to The Miracaloy Corporation, New York, N. Y. Steel hardening compounds. 559,801, June 10; Serial No. 594,528, published Mar. 18, 1952. Class 6.

Dryer, Clark & Dryer Oil Co., Oklahoma City, Okla. Motor lubricating oil. 296,632, Aug. 16, 1932. Republished June 10. Class 15.

Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla. Lubricating oils and greases. 373,150, Nov. 28, 1939. Republished June 10. Class 15.

Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla. Lubricating oils and greases. 375,008, Feb. 6, 1940. Republished June 10. Class 15.

Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla. High compression gasoline. 377,412, May 7, 1940. Republished June 10. Class 15.

Dunbar Furniture Manufacturing Company, Berne, Ind. Wood case pieces of furniture. 559,756, June 10; Serial No. 571,519, published Mar. 18, 1952. Class 32.

Du Pont, E. I., de Nemours and Company: *See*—
Kinetic Chemicals, Inc.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Non-discoloring antioxidant for rubber. 295,748, renewed July 12, 1952. O. G. June 10. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polyester film. 559,948, June 10; Serial No. 616,417, published Mar. 18, 1952. Class 1.

Eagle-Flagg Tanning Corporation, New York, N. Y. Leather. 559,858, June 10; Serial No. 606,006, published Mar. 11, 1952. Class 1.

Eastman Kodak Co., by Eastman Kodak Company, Rochester, N. Y. Photographic cameras, photographic lenses, photographic portrait attachments, etc. 85,423, Feb. 20, 1912. Republished June 10. Classes 26–23–5–6.

Eastman Kodak Company: *See*—
Eastman Kodak Co.

Eastman Kodak Company, by Eastman Kodak Company, Rochester, N. Y. Interval timers. 291,146, Feb. 2, 1932. Republished June 10. Class 27.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic fixing solution. 559,958, June 10; Serial No. 616,951, published Mar. 18, 1952. Class 6.

Edelstein, Irving A., doing business as London Pharmacal Co., to Ethel Malatzky, New York, N. Y. Ointment. 290,702, renewed Jan. 12, 1952. O. G. June 10. Class 18.

Edmundson-Duhe Rice Mill Co., Inc., Rayne, La. Milled rice and dressings and sauces. 559,901, June 10; Serial No. 612,533, published Mar. 18, 1952. Class 46.

Ellay Stores, Inc., New York, N. Y. Men's and women's suits and coats. 556,719, Mar. 25, 1952. Disclaimed. O. G. June 10. Class 39.

Emporium Capwell Company, The, doing business as The Emporium, San Francisco, Calif. Archery equipment, baby exercisers, baseballs, etc. 559,780, June 10; Serial No. 586,741, published Mar. 4, 1952. Class 22.

Emporium Capwell Company, The, doing business as The Emporium, San Francisco, Calif. Venetian blinds, book ends, cabinets, etc. 559,781, June 10; Serial No. 586,742, published Mar. 4, 1952. Class 32.

Emporium, The: *See*—
Emporium Capwell Company, The.

Englander Company, Inc., The, Chicago, Ill. Mattresses and box springs. 559,803, June 10; Serial No. 595,886, published Mar. 4, 1952. Class 32.

Eskimo Pie Corporation, New York, N. Y., to Eskimo Pie Corporation, Bloomfield, N. J. Ice cream confections and ice cream. 292,280, renewed Mar. 8, 1952. O. G. June 10. Class 46.

Evans Case Co., North Attleboro, Mass. Cigarette lighters. 559,880, June 10; Serial No. 608,929, published Mar. 11, 1952. Class 8.

Excelsior Shoe Company, The, to The Selby Shoe Company, Portsmouth, Ohio. Leather boots and shoes. 87,739, re-renewed Aug. 6, 1952. O. G. June 10. Class 39.

Extraction and Chemical Company, Inc., New York, N. Y. Mouth wash. 559,774, June 10; Serial No. 584,444, published Feb. 12, 1952. Class 51.

Ferry-Morse Seed Co., Detroit, Mich. Seeds. 559,841, June 10; Serial No. 602,680, published Mar. 18, 1952. Class 1.

Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y. Detergents. 559,766, June 10; Serial No. 579,491, published Mar. 18, 1952. Class 52.

Finnell System, Inc., Elkhart, Ind. Polishing and cleaning preparations. 559,763, June 10; Serial No. 576,487, published Mar. 18, 1952. Class 4.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. 559,799, June 10; Serial No. 594,212, published Feb. 12, 1952. Class 18.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils used as ingredients for detergents and soaps. 559,800, June 10; Serial No. 594,448, published Jan. 22, 1952. Class 52.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Fitzjohn Coach Co., Muskegon, Mich. Motor busses. 559,793, June 10; Serial No. 591,473, published Mar. 4, 1952. Class 19.

Fixtures Manufacturing Corp., Kansas City, Mo. Infants' and children's chairs. 559,879, June 10; Serial No. 608,791, published Mar. 11, 1952. Class 32.

Florasynth Laboratories, Inc., New York, N. Y. Reducing compound for lithographic and printing inks. 143,336, May 31, 1921. Republished June 10. Class 11.

Food Fair Stores, Inc., Philadelphia, Pa. Produce. 559,752, June 10; Serial No. 565,327, published Feb. 12, 1952. Class 46.

Frankfort Distilleries, Incorporated, assignee: *See*—
Frankfort Distillery, Inc., The.

Frankfort Distillery, Inc., The, assignor to Frankfort Distilleries, Incorporated, by Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 309,109, Jan. 2, 1934. Republished June 10. Class 49.

Fugle-Mellet Products, Inc., Miami, Fla. Mechanical lead sharpeners. 560,008, June 10; Serial No. 586,849. Class 23.

Gale Hall Engineering: *See*—
Universal Chemists, Inc.

Gallery of Homes, Inc., Rochester, N. Y. General real-estate brokerage. 559,993, June 10; Serial No. 602,316, published Mar. 18, 1952. Class 102.

Galveston-Houston Breweries, Inc.: *See*—
Triple "XXX" Company.

Geigy Company, Inc., New York, N. Y. Anti-rheumatic, analgesic, and anti-pyretic preparation. 559,912–13, June 10; Serial Nos. 613,812–13, published Jan. 22, 1952. Class 18.

General Electric Company, Schenectady, N. Y. Switches. 559,851, June 10; Serial No. 605,025, published May 29,1951. Class 21.

General Mills, Inc., Minneapolis, Minn. Pancake flour. 295,373, renewed June 28, 1952. O. G. June 10. Class 46.

General Motors Corporation, Detroit, Mich. Antifriction bearings and parts thereof. 559,854, June 10; Serial No. 605,156, published Mar. 11, 1952. Class 23.

General Paper Co., Inc., Coatesville, Pa., assignor to West Disinfecting Company, New York, N. Y. Metal portable paper towel holders. 559,828, June 10; Serial No. 600,721, published Mar. 18, 1952. Class 2.

General Publishing Company, Inc., Chicago, Ill. Magazine. 560,034, June 10; Serial No. 615,012. Class 38.

General Time Corporation: *See*—
Western Clock Manufacturing Co., The.

Georgia-Carolina Oil Company, Macon, Ga. All-purpose lubricating grease. 559,928, June 10; Serial No. 614,696, published Jan. 22, 1952. Class 15.

Georgia-Pacific Plywood & Lumber Co., Augusta, Ga. Plywood. 559,840, June 10; Serial No. 602,394, published Mar. 11, 1952. Class 12.

Gholson's Hatchery, McLeansboro, Ill. Live baby chicks. 559,786, June 10; Serial No. 589,083, published Mar. 27, 1951. Class 1.

Globe-Union Inc., Milwaukee, Wis. Electronic inter-stage audio coupling units. 559,918, June 10; Serial No. 614,141, published Feb. 5, 1952. Class 21.

Globe-Wernicke Co., The, Norwood, Ohio. Desk trays. 559,826, June 10; Serial No. 600,044, published Mar. 18, 1952. Class 32.

Goetze, Albert F., Incorporated, Baltimore, Md. Scrapple. 559,740, June 10; Serial No. 541,668, published Mar. 11, 1952. Class 46.

Goodyear Rubber Company, Middletown, Conn. Rubber boots, pacs, overshoes, etc. 559,747, June 10; Serial No. 557,519, published Nov. 1, 1949. Class 39.

Gottheimer, Sid., Inc., New York, N. Y. Accessories for dolls. 559,808, June 10; Serial No. 596,912, published Mar. 4, 1952. Class 22.

Grace Sign & Mfg. Co., St. Louis, Mo. Sign facings for traffic markers. 560,030, June 10; Serial No. 611,695. Class 50.

Greatrex Ltd., New York, N. Y. Leather goods. 559,816, June 10; Serial No. 598,359, published Mar. 25, 1952. Class 3.

Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butchers paper. 559,845, June 10; Serial No. 603,681, published Mar. 4, 1952. Class 37.

Haering, D. W., & Co., Inc.: *See*—
Haering, D. W., & Company.

Haering, D. W., & Company, Chicago, Ill., to D. W. Haering & Co., Inc., San Antonio, Tex. Preparation primarily intended for preventing the formation of and for removing scale, etc. 292,257, renewed Mar. 8, 1952. O. G. June 10. Class 52.

Halferty, G. P., & Co., Inc., Seattle, Wash. Canned fish. 294,945, renewed June 14, 1952. O. G. June 10. Class 46.

Hanson, M. Parnell, Company. *See*—
Hanson, Maynard P.

Hanson, Maynard P., doing business as M. Parnell Hanson Company, Minneapolis, Minn. Electrically operated vegetable slicing machines. 559,903, June 10; Serial No. 612,689, published Feb. 12, 1952. Class 21.

Hartwig Incorporated, Milwaukee, Wis. Display cabinets. 559,753, June 10; Serial No. 565,781, published Mar. 4, 1952. Class 32.

Hawley & Hoops, New York, N. Y., to Hawley & Hoops, Inc., Boston, Mass. Candy. 294,419, renewed May 24, 1952. O. G. June 10. Class 46.

Hawley & Hoops, Inc.: *See*—
Hawley & Hoops.

Hawley Products Company, St. Charles, Ill. Electrical apparatus. 559,771, June 10; Serial No. 582,426, published Feb. 5, 1952. Class 21.

Herbst Shoe Manufacturing Company: *See*—
Wiswell-Everston Shoe Mfg. Co.

Hercules Powder Company, Wilmington, Del. Detonating primers. 559,941, June 10; Serial No. 615,775, published Mar. 11, 1952. Class 9.

Hercules Powder Company, Wilmington, Del. Wet-strength, synthetic resin for paper. 559,945, June 10; Serial No. 616,318, published Mar. 18, 1952. Class 6.

Herman Pneumatic Machine Company, Pittsburgh, Pa. Centrifugal casting machines. 559,773, June 10; Serial No. 583,343, published Mar. 4, 1952. Class 23.

Hess-Taylor Co., Inc., New York, N. Y. Ladies' hosiery. 560,009, June 10; Serial No. 587,952. Class 39.

Hiller Helicopters: *See*—
United Helicopters, Inc.

Hittel, Charles L., Newark, N. J. Washing racks for Venetian blinds. 559,772, June 10; Serial No. 582,687, published Mar. 4, 1952. Class 24.

Hoben Candy Corp., Ashley, Ill. Candy. 559,954, June 10; Serial No. 616,668, published Feb. 19, 1952. Class 46.

Holdenline Co., Cleveland, Ohio. Fluorescent lighting fixtures, ballast, starters, etc. 559,736, June 10; Serial No. 514,655, published Feb. 12, 1952. Class 21.

Hold-the-Phone! Inc., Detroit, Mich., assignor to Bainbridge, Kimpton and Haupt, Inc., New York, N. Y. Telephone-holder. 559,735, June 10; Serial No. 494,448, published Feb. 12, 1952. Class 21.

Houdaille-Hershey Corporation, Detroit, Mich. Shock absorbers for automotive vehicles. 559,898, June 10; Serial No. 612,167, published July 31, 1951. Class 19.

House of Vision-Belgard-Spero, Inc., Chicago, Ill. Grinding lenses for eye glasses to the individual prescriptions furnished by eye physicians. 559,994, June 10; Serial No. 602,532, published Mar. 18, 1952. Class 106.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Carbon black. 559,916, June 10; Serial No. 613,915, published Mar. 18, 1952. Class 6.

Huenefeld Company, The, Cincinnati, Ohio. Oil burners. 295,390, renewed June 28, 1952. O. G. June 10. Class 34.

Hull & Dillon Pkg. Co., The, Pittsburg, Kans, to Swift & Company, Chicago, Ill. Ham, bacon and lard. 87,452, re-renewed July 16, 1952. O. G. June 10. Class 46.

Hygienic Phone Service, Inc., New York, N. Y. Cleaning, polishing, sterilizing and immunizing from disease of telephone, dictaphones, and related instruments. 559,982, June 10; Serial No. 552,244, published Mar. 18, 1952. Class 103.

Ida-Ho-Chip Co.: *See*—
Devine, Matthew L.

Idaho Egg Producers, Caldwell, Idaho. Eggs, slaughtered poultry, feeds. 560,002, June 10; Serial No. 565,783, published Mar. 18, 1952. Class 46.

Ideal Industries, Inc.: *See*—
Pyramid Products Company.

Ideal Industries, Inc., Sycamore, Ill. Electrical welding apparatus and parts thereof. 559,917, June 10; Serial No. 613,992, published Mar. 4, 1952. Class 21.

Indiana Steel & Wire Company, Muncie, Ind. Iron and steel wire for use in overhead electric transmission lines. 559,817, June 10; Serial No. 598,853, published Mar. 11, 1952. Class 21.

Insulation and Wires Incorporated, St. Louis, Mo. Electrical insulation. 559,873, June 10; Serial No. 608,164, published Feb. 19, 1952. Class 21.

Inter-Continental Trading Corporation, New York, N. Y. Calipers. 559,973, June 10; Serial No. 618,704, published Feb. 26, 1952. Class 26.

International Association of Lions Clubs, The, Chicago, Ill. Periodicals. 559,838, June 10; Serial No. 602,031, published Mar. 18, 1952. Class 38.

International Milling Company, Minneapolis, Minn. Wheat flour. 559,960, June 10; Serial No. 617,113, published Mar. 18, 1952. Class 46.

Interstate Coffee Company, Augusta, Ga. Coffee and chicory compound. 559,909, June 10; Serial No. 613,332, published Feb. 12, 1952. Class 46.

Ithaca Gun Company, Inc., Ithaca, N. Y. Double barrel shotguns, single barrel shotguns and repeating shotguns. 559,787, June 10; Serial No. 589,999, published Mar. 4, 1952. Class 9.

Janik, Mary L., Old Greenwich, Conn. Machine tools. 560,025, June 10; Serial No. 610,907. Class 23.

Janvier, Walter, Inc., New York, N. Y., to The Lambert Company, St. Louis, Mo. Tooth paste. 294,354, renewed May 24, 1952. O. G. June 10. Class 51.

Jennings Radio Mfg. Co., San Jose, Calif. Vacuum electronic apparatus. 559,805, June 10; Serial No. 596,574, published Mar. 4, 1952. Class 21.

Jones, Luella R., doing business as Briarhurst Travel Service, Dallas, Tex. Travel service. 559,991, June 10; Serial No. 598,304, published Mar. 18, 1952. Class 105.

Kaufke, Erna (Negwer): *See*—
Negwer, Max.

Kellogg, M. W., Co., The, Jersey City, N. J., and New York, N. Y., to The M. W. Kellogg Company, New York, N. Y. Plastic heat insulation material. 296,607, renewed Aug. 16, 1952. O. G. June 10. Class 12.

Kellogg, M. W., Company, The: *See*—
Kellogg, M. W., Co., The.

Kemart Corporation, San Francisco, Calif. Drawing papers and illustration boards. 559,745, June 10; Serial No. 554,129, published Mar. 4, 1952. Class 37.

Kent-Moore Organization, Inc., Detroit, Mich. Merchandiser cabinets and service desks. 559,765, June 10; Serial No. 577,126, published Mar. 4, 1952. Class 32.

Keuffel & Esser Company, Hoboken, N. J. Sensitized, transparent, photographic papers to make engineering reproductions. 444,692, June 10; Serial No. 500,803, published Feb. 19, 1952. Class 26.

Kinetic Chemicals, Inc., by E. I. du Pont de Nemours and Company, Wilmington, Del. Fluorinated hydrocarbons. 293,851, May 10, 1932. Republished June 10. Class 6.

Klem Chemicals Inc., Dearborn, Mich. Cleaners. 559,767, June 10; Serial No. 580,603, published Mar. 18, 1952. Class 52.

Knoll Associates, Inc., New York, N. Y. Curtain and upholstery fabrics. 559,802, June 10; Serial No. 595,077, published Mar. 18, 1952. Class 42.

Koenigkramer, F. & F., to F. & F. Koenigkramer Co., Cincinnati, Ohio. Barber and beauty operator chairs and tables. 295,071, renewed June 14, 1952. O. G. June 10. Class 32.

Koenigkramer, F. & F., Co.: *See*—
Koenigkramer, F. & F.

Korn Popper, The: *See*—
Miller, Charles J.

L & B Products Corporation, New York, N. Y. Table bases. 559,831, June 10; Serial No. 601,265, published Mar. 4, 1952. Class 32.

La Maur, Inc., Minneapolis, Minn. Hair colour. 559,797, June 10; Serial No. 592,709, published Feb. 12, 1952. Class 51.

Lambert Company, The: *See*—
Janvier, Walter, Inc.
Lambert Pharmacal Co.
Lambert Pharmacal Company.

Lambert Pharmacal Co., to The Lambert Company, St. Louis, Mo. Toilet-soap. 38,511, re-renewed June 24, 1952. O. G. June 10. Class 52.

Lambert Pharmacal Company, Wilmington, Del., to The Lambert Company, St. Louis, Mo. Medicinal, antiseptic, and deodorant compound. 293,285, renewed Apr. 19, 1952. O. G. June 10. Class 51.

La Rosa, Joseph, & Sons, Modesto, Calif. Fresh grapes. 559,861, June 10; Serial No. 606,384, published Feb. 12, 1952. Class 46.

Larsen Company, The, Green Bay, Wis. Canned mixed vegetables. 396,812, Aug. 4, 1942. Republished June 10. Class 46.

Leathercraft, Inc., Chicago, Ill. Brief cases. 559,761, June 10; Serial No. 575,915, published Mar. 25, 1952. Class 3.

Le Baron Detroit Company, Detroit, Mich. Vehicle bodies. 292,848, renewed Mar. 29, 1952. O. G. June 10. Class 19.

Leeds Travelwear Corporation, New York, N. Y. Garment hanger-bags for traveling and storage. 559,942, June 10; Serial No. 616,177, published Mar. 18, 1952. Class 3.

Lehn & Fink Products Corporation, Bloomfield, N. J. Soap and shampoo. 559,867, June 10; Serial No. 607,257, published Mar. 18, 1952. Class 52.

Les Parfums de Dana, Inc., assignee: *See*—
Consolidated Cosmetics.

Lever Brothers Company, assignee: *See*—
Ayer, Harriet Hubbard, Inc.

Llewellyn, Inc., New York, N. Y. Ladies' handbags. 559,969, June 10; Serial No. 618,118, published Mar. 25, 1952. Class 3.

Lockheed Aircraft Corporation, Burbank, Calif. Expanded cellular resin plastic materials for use as electrically insulating panels, etc. 559,967, June 10; Serial No. 617,760, published Mar. 18, 1952. Class 21.

London Pharmacal Co.: *See*—
Edelstein, Irving A.

Loveland Engrg. & Mfg. Co.: *See*—
Loveland, Pratt R.

Loveland, Pratt R., doing business as Loveland Engrg. & Mfg. Co., Chicago, Ill. Squeegee for washing windows. 559,810, June 10; Serial No. 597,404, published Mar. 4, 1952. Class 29.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 559,970, June 10; Serial No. 618,300, published Mar. 18, 1952. Class 46.

Macbeth Corporation, Newburgh, N. Y. Electric lighting fixtures. 559,952, June 10; Serial No. 616,562, published Feb. 12, 1952. Class 21.

Madeira Embroidery Co., West New York, N. J. Embroidery machines and parts thereof. 559,804, June 10; Serial No. 590,037, published Feb. 19, 1952. Class 23.

Magic Mirror Associates, Inc., New York, N. Y. Combination transparent mirror and door wicket. 559,748, June 10; Serial No. 558,569, published Feb. 14, 1950. Class 32.

Maish, Chas. A., Co., The, Cincinnati, Ohio. Crib mattresses. 559,750, June 10; Serial No. 562,268, published Mar. 11, 1952. Class 32.

Malatzky, Ethel: *See*—
Edelstein, Irving A.

Maltine Company, The, Morris Plains, N. J., now by change of name Chilcott Laboratories, Inc. Medicinal preparation. 559,911, June 10; Serial No. 613,779, published Jan. 22, 1952. Class 18.

Mann, Bluma M., doing business as Cumberland Chemical Company, Central Falls, R. I., to Rose-Derry Company, Newton, Mass. Heating pads for therapeutic purposes. 292,545, renewed Mar. 15, 1952. O. G. June 10. Class 44.

Maternity Cosmetics, Inc., Rochester, N. Y. Skin creams, skin lotions, and personal deodorants, etc. 559,837, June 10; Serial No. 601,805, published Mar. 11, 1952. Class 51.

McLaurin-Jones Co., Brookfield, Mass. Gummed paper, gummed cloth, and gummed paper tape, etc. 295,177, renewed June 21, 1952. O. G. June 10. Class 37.

McLean Mfg. Co., Inc., Sussex, N. J. Sleeveless jackets embodying inflatable portions and functioning as lifepreservers. 559,779, June 10; Serial No. 586,539, published Mar. 11, 1952. Class 22.

McPherson, Hal W., Chicago, Ill. Domestic garbage grinder. 559,915, June 10; Serial No. 613,851, published Feb. 19, 1952. Class 23.

Melba Sweets Co., Cliffside Park, N. J. Candy. 560,006, June 10; Serial No. 575,477. Class 46.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Inside paint. 296,604, renewed Aug. 16, 1952. O. G. June 10. Class 16.

Meyercord Co., The, Chicago, Ill. Decalcomanias. 559,961, June 10; Serial No. 617,154, published Mar. 18, 1952. Class 38.

Michel Cosmetics, Inc., Long Island City, N. Y. Perfumes. 559,886, June 10; Serial No. 610,709, published Feb. 12, 1952. Class 51.

Michigan Chemical Corporation, St. Louis, Mich. Insecticide. 559,956–7, June 10; Serial Nos. 616,916–17, published Mar. 18, 1952. Class 6.

Mid-Continent Supply Co., Fort Worth, Tex. Oil and gas well equipment. 559,818, June 10; Serial No. 598,861, published Feb. 5, 1952. Class 23.

Mid-States Gummed Paper Co., Chicago, Ill. Kraft paper, sulphite paper, bond paper, etc. 559,741, June 10; Serial No. 546,927, published Jan. 8, 1952. Class 37.

Miller and Weintraub: *See*—
Weintraub, Louis.

Miller, Charles J., doing business under the firm name of The Korn Popper, Lincoln, Nebr. Salted popped popcorn and unpopped popcorn. 559,775, June 10; Serial No. 586,296, published Mar. 18, 1952. Class 46.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Coated paper. 559,926, June 10; Serial No. 614,562, published Mar. 4, 1952. Class 37.

Miracaloy Corporation, The, assignee: *See*—
Doughty Research and Development Corporation.

Mobilhome Corporation of America, Bakersfield, Calif. Technical advice and information, etc., relative to the construction of buildings. 559,988, June 10; Serial No. 586,249, published Mar. 18, 1952. Class 100.

Mohawk Motor Lines, Inc., Nashville, Tenn. Transporting packing-house products. 559,986, June 10; Serial No. 583,160, published Mar. 18, 1952. Class 105.

Mulford, H. K., Co., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Tonics. 38,614, re-renewed July 15, 1952. O. G. June 10. Class 18.

Munsingwear, Inc.: *See*—
Munsingwear Corporation, The.

Munsingwear Corporation, The, to Munsingwear, Inc., Minneapolis, Minn. Women's and misses' underwear. 296,165, renewed July 26, 1952. O. G. June 10. Class 39.

Murray Hill Restaurant, Inc., New York, N. Y. Tablecloths and napkins. 559,891, June 10; Serial No. 611,189, published Mar. 18, 1952. Class 42.

Murray Ohio Manufacturing Company, The, Cleveland, Ohio. Baby walkers. 559,847, June 10; Serial No. 604,019, published Feb. 5, 1952. Class 22.

National Multiweaving Company, Washington, D. C. Fabric repair services. 560,000, June 10; Serial No. 616,237, published Mar. 18, 1952. Class 103.

NEA Service, Inc., Cleveland, Ohio. Comic drawings. 559,855, June 10; Serial No. 605,806, published Mar. 18, 1952. Class 38.

N. V. Maatschappij tot Voortzetting der Amsterdamsche Likeurstokerij "'t Lootsje" der Erven Lucas Bols, Amsterdam, Netherlands, to Erven Lucas Bols Incorporated, Englewood, N. J. Gin. 293,126, renewed Apr. 12, 1952. O. G. June 10. Class 49.

Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Passenger automobiles and structural parts therefor. 559,814, June 10; Serial No. 597,896, published Feb. 19, 1952. Class 19.

Nashua Manufacturing Co., Nashua, N. H., and Boston, Mass., to Textron Inc., Providence, R. I. Cotton piece goods. 291,665, renewed Feb. 23, 1952. O. G. June 10. Class 42.

Nathan, Emanuel, Newark, N. J. Spectacle cases. 559,962, June 10; Serial No. 617,158, published Feb. 19, 1952. Class 26.

National Lead Company, Sayreville, N. J., and New York, N. Y. Compositions for treatment of oil-well drilling fluids. 559,946, June 10; Serial No. 616,327, published Mar. 18, 1952. Class 6.

Negwer, Erna: *See*—
Negwer, Max.

Negwer, Max, Potsdam, to E. Negwer, nee Kaufke, Bad Homburg v. d. H., Germany. Articles which are used for therapeutic, hygienic, or corrective purposes. 286,741, renewed Sept. 1, 1951. O. G. June 10. Class 44.

Nelson, Baker & Co., to Nelson, Baker & Co., Inc., Detroit, Mich. Antiseptic compounds. 87,472, re-renewed July 16, 1952. O. G. June 10. Class 18.

Nelson, Baker & Co., Inc.: *See*—
Nelson, Baker & Co.

Nordmark-Werke G. m. b. H. fur Angewandte Chemie, Hamburg, Germany, vested in the Attorney General of the United States, Washington, D. C. Diet and table salt. 292,436, renewed Mar. 15, 1952. O. G. June 10. Class 46.

Northfield Cheese Corporation, New York, N. Y. Cheese. 559,862, June 10; Serial No. 606,480, published Feb. 12, 1952. Class 46.

Ohmite Manufacturing Company, Chicago, Ill. Electrical circuit control elements. 559,839, June 10; Serial No. 602,284, published Feb. 5, 1952. Class 21.

Olin Industries, Inc., East Alton, Ill. Electric blasting caps. 559,823, June 10; Serial No. 599,774, published Mar. 11, 1952. Class 9.

Oregon Pulp and Paper Co., Salem, to Oregon Pulp and Paper Company, Portland, Oreg. Mimeograph and bond paper. 293,632, renewed May 3, 1952. O. G. June 10. Class 37.

Oregon Pulp and Paper Company: *See*—
Oregon Pulp and Paper Co.

Oregon Worsted Company, Portland, Oreg. Woolen fabrics. 559,864, June 10; Serial No. 607,040, published Mar. 18, 1952. Class 42.

Ostermoor & Company, Inc., Bridgeport, Conn. Mattresses. 559,965, June 10; Serial No. 617,673, published Mar. 18, 1952. Class 32.

Ostrow, Barnet, doing business as Ronal Chemicals, Brooklyn, N. Y. Chemical compositions. 559,947, June 10; Serial No. 616,384, published Mar. 18, 1952. Class 6.

Packard Motor Car Company, Detroit, Mich. Automobile brakes. 559,971, June 10; Serial No. 618,365, published Mar. 18, 1952. Class 19.

Panray Corp., The, New York, N. Y. Pharmaceutical preparation. 559,900, June 10; Serial No. 612,470, published Jan. 22, 1952. Class 18.

Paramount Paper Products Co., Omaha, Nebr. Printed labels. 559,809, June 10; Serial No. 597,224, published Mar. 18, 1952. Class 38.

Paris Decorators Corp., New York, N. Y. Sofas, love seats, ottomans, etc. 559,751, June 10; Serial No. 564,346, published Mar. 11, 1952. Class 32.

Patek and Co., San Francisco, Calif. Energizing preparation for increasing digester bath activity. 560,035, June 10; Serial No. 615,992. Class 52.

Peerless Finishing Corp., Paterson, N. J. Dyeing of all types of textiles. 559,998, June 10; Serial No. 608,433, published Mar. 18, 1952. Class 106.

Permanente Cement Company, Oakland, Calif. Plastering cement. 559,782, June 10; Serial No. 587,592, published Mar. 11, 1952. Class 12.

Pictsweet Foods, Inc., Mount Vernon, Wash. Frozen fresh fruits, berries, vegetables, etc. 559,848, June 10; Serial No. 604,219, published Mar. 18, 1952. Class 46.

Pittsburgh Waterproof Company, Pittsburgh, Pa. Laundry ironer pads. 559,978, June 10; Serial No. 620,230, published Mar. 11, 1952. Class 24.

Plastile Products, Inc., Chicago, Ill. Plastic tile. 559,920, June 10; Serial No. 614,262, published Mar. 11, 1952. Class 12.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Laundry washing machines. 559,933, June 10; Serial No. 614,897, published Mar. 11, 1952. Class 24.

Pollock, Robert T., Corporation, The, New York, N. Y. Liquid hydrocarbon diesel fuels. 559,806, June 10; Serial No. 596,750, published Jan. 22, 1952. Class 15.

Potter Drug & Chemical Corporation, Malden, Mass. Cold cream and hand cream. 599,849, June 10; Serial No. 604,544, published Feb. 12, 1952. Class 51.

Price Battery Corporation, Hamburg, Pa. Storage batteries. 559,966, June 10; Serial No. 617,677, published Mar. 18, 1952. Class 21.

Protex Products Company, Inc., New York, N. Y. Bags for carrying clothing by hand. 559,902, June 10; Serial No. 612,624, published Mar. 25, 1952. Class 3.

Publisher's Development Corporation, Chicago, Ill. Periodicals. 559,931, June 10; Serial No. 614,785, published Mar. 18, 1952. Class 38.

Pulitzer Publishing Company, The, St. Louis, Mo. Section of a newspaper. 559,949, June 10; Serial No. 616,448, published Mar. 18, 1952. Class 38.

Purity Cheese Company, Mayville, Wis. Cheese. 559,768, June 10; Serial No. 581,211, published Mar. 18, 1952. Class 46.

Pyramid Products Company, Chicago, to Ideal Industries, Inc., Sycamore, Ill. Hand, foot, and mechanically operated devices for stripping insulated coatings from metallic wires. 294,186, renewed May 24, 1952. O. G. June 10. Class 23.

Quaker State Oil Refining Corporation: *See*—
Sterling Oil Company.

R D News, Incorporated, New York, N. Y., assignee of Roller Derby Associates. Newspapers. 560,018, June 10; Serial No. 600,979. Class 38.

Rare-Galen, Inc.: *See*—
Boehringer, C. F., & Soehne.

Ray-O-Vac Company, Madison, Wis. Dry cells and dry cell batteries. 559,964, June 10; Serial No. 617,628, published Mar. 4, 1952. Class 21.

Reed & Barton, Tauton, Mass. Printed pamphlets. 560,024, June 10; Serial No. 610,464. Class 38.

Restaurant Specialty Company: *See*—
Click, Robert E.

Rex Redwood Shop, Eureka, Calif. Wooden products. 559,829, June 10; Serial No. 600,850, published Mar. 18, 1952. Class 2.

Richgrove-Jasmine Citrus Association, Delano, Calif. Fresh citrus fruits. 560,019, June 10; Serial No. 602,536. Class 46.

Rilling Company, New York, N. Y., now by change of name The Rilling-Dermetics Company. Solutions used to impart permanent waves to the hair. 559,874, June 10; Serial No. 608,223, published Oct. 9, 1951. Class 51.

Rilling-Dermetics Company, The: *See*—
Rilling Company.

Rite-Way Publishing Co., Inc., Alexandria, La. Partially printed income and tax record forms. 559,790, June 10; Serial No. 590,702, published Feb. 26, 1952. Class 37.

Rival Manufacturing Company, Kansas City, Mo. Electric deep fat fryers. 559,914, June 10; Serial No. 613,826, published Feb. 26, 1952. Class 21.

Rolland Laboratories, Inc., also doing business as Rolland Studios, Kansas City, Mo. Photographing infants. 559,981, June 10; Serial No. 533,781, published Mar. 18, 1952. Class 100.

Rolland Studios: *See*—
Rolland Laboratories, Inc.

Roller Derby Associates: *See*—
R D News, Incorporated.

Ronal Chemicals: *See*—
Ostrow, Barnet.

Rose-Derry Company: *See*—
Mann, Bluma M.

Rose-Derry Company, Newton, Mass. High chair pads and mattresses. 559,963, June 10; Serial No. 617,212, published Mar. 18, 1952. Class 32.

Roy, Milton, Company, Philadelphia, Pa. Small capacity controlled volume measuring pump. 559,904, June 10; Serial No. 612,828, published Feb. 12, 1952. Class 26.

Russ, John M., Iowa City, Iowa. Artificial fishing flies. 560,036, June 10; Serial No. 619,651. Class 22.

S. K. S. Machine Company, New York, N. Y. Sewing machines. 560,026, June 10; Serial No. 611,108. Class 23.

Safeway Stores, Incorporated, Oakland, Calif. Liquid starch. 560,022, June 10; Serial No. 603,598. Class 6.

St. Thomas Inc., Gloversville, N. Y. Pocketbooks and billfolds. 559,907, June 10; Serial No. 613,145, published Mar. 25, 1952. Class 3.

Sandy Valley Grocery Company, Ashland, Ky. Cleaning and washing compound. 560,010, June 10; Serial No. 588,970. Class 52.

Sargent & Company, New Haven, Conn. Carpenter's squares. 559,877, June 10; Serial No. 608,571, published Feb. 12, 1952. Class 26.

Scharner, Julius F., Hoboken, N. J. Electrical apparatus. 560,007, June 10; Serial No. 578,828. Class 21.

Schlampp, P., & Son, Minneapolis, Minn. Dusting, demothing, cold storage of furs and fur garments. 559,984, June 10; Serial No. 557,966, published Mar. 18, 1952. Class 103.

Scholfield Service, Inc., New York, by Wheeldex Manufacturing Co., Inc., White Plains, N. Y. Filing cabinets. 293,670, May 3, 1932. Republished June 10. Class 32.

Schujahn, Frank, to Winnebago Cheese Company, Fond du Lac, Wis. Full-cream cheese. 85,501, rerenewed Feb. 20, 1952. O. G. June 10. Class 46.

Scofield, L. M., Company: *See*—
Bradfield Building Products Co.

Scott Paper Company, Chester, Pa. Paper napkins. 559,929, June 10; Serial No. 614,727, published Mar. 11, 1952. Class 37.

Scott, William H., Sheridan, Wyo. Artificial fish lure. 560,017, June 10; Serial No. 600,621. Class 22.

Sea Fare: *See*—
Sea Fare Restaurant, Inc.

Sea Fare Restaurant, Inc., sometimes doing business as Sea Fare, New York, N. Y. Salad dressing and coffee. 560,012, June 10; Serial No. 594,403. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Tobacco pouches. 559,769, June 10; Serial No. 581,363, published Mar. 18, 1952. Class 8.

Selby Shoe Company, The: *See*—
Excelsior Shoe Company, The.

Sentinel Radio Corporation: *See*—
United Air Cleaner Corporation.

Servo Corporation of America, New Hyde Park, N. Y. Engineering and consulating services. 559,985, June 10; Serial No. 570,322, published Mar. 18, 1952. Class 100.

Shaler Company, The, Waupun, Wis. Pneumatic vehicle tires and portable tire repair kits. 291,253, renewed Feb. 2, 1952. O. G. June 10. Class 35.

Shane Manufacturing Co.: *See*—
Shane, Norman A.

Shane Manufacturing Company, Inc.: *See*—
Shane, Norman A.

Shane, Norman A., doing business as Shane Manufacturing Co., to Shane Manufacturing Company, Inc., Evansville, Ind. Painters' and paperhangers' drop cloths. 292,867, renewed Mar. 29, 1952. O. G. June 10. Class 50.

Sharp & Dohme, Incorporated: *See*—
Mulford, H. K., Co.

Shea, James, doing business as Adirondack Mountain Products Co., Lake Placid, N. Y. Pancake flour, maple sirup, honey, canned blueberries, etc. 559,888. June 10; Serial No. 610,926, published Mar. 18, 1952. Class 46.

Shellmar Products Corporation, Chicago, Ill. Automatic packaging machines. 559,807, June 10; Serial No. 596,758, published Mar. 4, 1952. Class 23.

Signal Oil Company, assignor to Standard Oil Company of California, doing business as Signal Oil Company, Los Angeles, Calif. Fuel oil, road oil, stove oil, etc. 559,930, June 10; Serial No. 614,729, published Jan. 22, 1952. Class 15.

Sintering Machinery Corporation, Netcong, N. J. Apparatus for continuously receiving, weighing, and discharging granular materials and the like and for recording and totalizing the weight thereof. 559,796, June 10; Serial No. 692,342, published Feb. 12, 1952. Class 26.

Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Resilient enamel surface floor covering. 559,938, June 10; Serial No. 615,579, published Mar. 11, 1952. Class 20.

Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa., Hard surface floor covering. 559,950, June 10; Serial No. 616,514, published Mar. 11, 1952. Class 20.

Societe Anonyme Chocolat Tobler: *See*—
Aktiengesellschaft Chocolat Tobler.

Societe des Accumulateurs Elbric S. A., Lausanne, Switzerland. Accumulators. 559,871, June 10; Serial No. 607,969, published Mar. 4, 1952. Class 21.

Sonneborn, L., Sons, Inc., New York, N. Y. Wetting agent. 559,865, June 10; Serial No. 607,052, published Mar. 18, 1952. Class 6.

Soreghen, George L., doing business as Diamond Whip Company, Chicago, Ill. Lariats. 559,846, June 10; Serial No. 603,899, published Mar. 25, 1952. Class 3.

Sousa, John B., doing business as Travel Center, Los Angeles, Calif. Travel services. 559,996, June 10; Serial No. 606,338, published Mar. 18, 1952. Class 105.

South Shore Packing Corporation, The, Vermilion, Ohio. Olives and jellies. 559,972, June 10; Serial No. 618,516, published Mar. 18, 1952. Class 46.

Spiegel, Inc., Chicago, Ill. Household furniture. 559,875, June 10; Serial No. 608,258, published Mar. 18, 1952. Class 32.

Squibb, E. R., & Sons, New York, N. Y. Preparation for the treatment of cardiac arrhythmias. 559,892, June 10; Serial No. 611,249, published Jan. 22, 1952. Class 18.

Standard Cap and Seal Corporation, Chicago, Ill. Laminated material. 559,778, June 10; Serial No. 586,438, published Mar. 4, 1952. Class 37.

Standard Electric Time Company, The, Springfield, Mass. Electric resistor tubes. 559,955, June 10; Serial No. 616,731, published Feb. 12, 1952. Class 21.

Standard Oil Company of California, assignee: *See*—
Signal Oil Company.

Starline, Inc., Harvard, Ill. Bull staffs, sling carriers, pulleys, etc. 559,869, June 10; Serial No. 607,646, published Oct. 9, 1951. Class 23.

Sterling Industries, Inc., Dallas, Tex. Anti-corrosive or corrosion inhibitor. 559,870, June 10; Serial No. 607,779, published Mar. 18, 1952. Class 6.

Sterling Oil Company, Emlenton, to Quaker State Oil Refining Corporation, Oil City, Pa. Illuminating oils, lubricating oils, lubricating greases, etc. 293,980, renewed May 10, 1952. O. G. June 10. Class 15.

Stern & Co., Philadelphia, Pa. Furniture. 559,832, June 10; Serial No. 601,341, published Mar. 4, 1952. Class 32.

Stevens, J. P., & Co., Inc., New York, N. Y. Cotton flannels. 559,906, June 10; Serial No. 613,090, published Mar. 18, 1952. Class 42.

Stewart, Samuel F., Miami, Fla. Ladies' handbags. 559,908, June 10; Serial No. 613,198, published Mar. 25, 1952. Class 3.

Supreme Equipment Corporation, Cleveland, Ohio. Vehicle service station and garage equipment. 559,878, June 10; Serial No. 608,635, published Feb. 26, 1952. Class 23.

Suzanne Laboratories: *See*—
D'Amico, Nicholas.

Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Autocollimeters, interferometers, microscopes, telescopes, etc. 559,811, June 10; Serial No. 597,417, published Feb. 12, 1952. Class 26.

Swift & Company: *See*—
Hull & Dillon Pkg. Co., The.

Syndicat Français des Textiles Artificiels, Paris, France. Discontinuous fibres of rayon. 559,852, June 10; Serial No. 605,068, published Mar. 11, 1952. Class 1.

Syndicat Français des Textiles Artificiels, Paris, France. Discontinuous fibres of rayon. 559,853, June 10; Serial No. 605,072, published Mar. 11, 1952. Class 1.

Tecumseh Coal Corporation, Chicago, Ill. Coal. 559,944, June 10; Serial No. 616,255, published Mar. 18, 1952. Class 1.

Tension Envelope Corporation, Kansas City, Mo. Mailing envelopes. 559,754, June 10; Serial No. 566,193, published Mar. 11, 1952. Class 37.

Textron Inc.: *See*—
Nashua Manufacturing Co.

Thornton Canning Company, Thornton, Calif. Canned fruits and canned fruit juices. 559,887, June 10; Serial No. 610,875, published Oct. 30, 1951. Class 46.

Tico Shoe Corporation, New York, N. Y. Women's, misses', and girls' shoes. 559,784, June 10; Serial No. 588,606, published Apr. 4, 1950. Class 39.

Tip-It Manufacturing Co.: *See*—
Babington, Henry M.

Tiffen Manufacturing Corporation, New York, N. Y. Correction filters. 559,758, June 10; Serial No. 572,282, published Feb. 26, 1952. Class 26.

Tnemec Company, Inc., North Kansas City, Mo. Treatment of steel tanks against corrosion, etc. 559,980, June 10; Serial No. 527,549, published Mar. 18, 1952. Class 103.

Travel Center: *See*—
Sousa, John B.

Tri-boro Manufacturing Co., Corona, N. Y. Portable bars. 559,770, June 10; Serial No. 582,328, published Mar. 18, 1952. Class 32.

Trico Fuse Mfg. Co., Milwaukee, Wis. Fuse plugs. 559,953, June 10; Serial No. 616,612, published Mar. 11, 1952. Class 21.

Triple AAA Tablets, Inc., Buffalo, N. Y. Tablets for the treatment of headaches, colds, menstrual pains, etc. 292,244, renewed Mar. 8, 1952. O. G. June 10. Class 18.

Triple "XXX" Company to Galveston-Houston Breweries, Inc., Galveston, Tex. Sandwiches and condiment sauce. 288,602, renewed Nov. 3, 1951. O. G. June 10. Class 46.

Tri-Valley Packing Association, San Francisco, Calif. Canned fruits, canned fruit juices, and canned vegetables. 559,843, June 10; Serial No. 603,170, published Mar. 18, 1952. Class 46.

Turkey Products Co.: *See*—
Candeaux, Harvey C.

Union Trading Company, Ltd., Basel, Switzerland. Cereal flour. 559,776, June 10; Serial No. 586,375, published Mar. 18, 1952. Class 46.

Union Trading Company, Ltd., Basel, Switzerland. Cereal flour. 559,777, June 10; Serial No. 586,382, published Mar. 18, 1952. Class 46.

United Air Cleaner Corporation, Chicago, to Sentinel Radio Corporation, Evanston, Ill. Radio receiving sets and parts thereof, radio tubes and loud speakers. 292,631, renewed Mar. 22, 1952. O. G. June 10. Class 21.

United Biscuit Company of America, Chicago, Ill. Cookies and crackers. 559,863, June 10; Serial No. 606,686, published Feb. 12, 1952. Class 46.

United Helicopters, Inc., Palo Alto, now by change of name Hiller Helicopters, San Mateo County, Calif. Helicopters. 559,860, June 10; Serial No. 606,247, published Feb. 26, 1952. Class 19.

United States Brewing Co.: *See*—
United States Brewing Co. of Chicago.

United States Brewing Co. of Chicago to United States Brewing Co., Chicago, Ill. Malt beverage. 291,673, renewed Feb. 23, 1952. O. G. June 10. Class 48.

United States Plywood Corporation, New York, N. Y. Plywood, veneer, and lumber. 559,798, June 10; Serial No. 593,026, published Mar. 4, 1952. Class 12.

United States Steel Company: *See*—
American Steel & Wire Company of New Jersey, The.
American Steel and Wire Company of New Jersey, The.

Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass. Gauge. 559,974, June 10; Serial No. 618,900, published Feb. 19, 1952. Class 26.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Paint enamels, varnish stains, lacquers, etc. 295,506, renewed July 5, 1952. O. G. June 10. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Vanadium Corporation of America, Bridgeville, Pa., to Vanadium Corporation of America, New York, N. Y. Periodicals. 294,609, renewed June 7, 1952. O. G. June 10. Class 38.

Van Cleef Bros., Inc., Chicago, Ill. Gasketing compound. 559,830, June 10; Serial No. 601,000, published Mar. 4, 1952. Class 12.

Vienna Sausage Manufacturing Company, Chicago, Ill. Sausages. 291,716, renewed Feb. 23, 1952. O. G. June 10. Class 46.

Vigny, Inc., New York, N. Y. Perfumes. 559,856, June 10; Serial No. 605,818, published Feb. 19, 1952. Class 51.

Vigny, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 559,866, June 10; Serial No. 607,060, published Feb. 19, 1952. Class 51.

Vine Associates, Beverly, N. J. Washable covers adapted for use with either brooms or mops. 559,850, June 10; Serial No. 604,828, published Mar. 4, 1952. Class 29.

Vogel-Peterson Co., Chicago, Ill. Checkroom or wardrobe equipment. 559,910, June 10; Serial No. 613,387, published Mar. 18, 1952. Class 32.

Wade Manufacturing Co., Elgin, Ill. Electric garbage disposal units. 559,883, June 10; Serial No. 610,152, published Feb. 19, 1952. Class 21.

Watson, R. & W., Limited, Linwood, Scotland. Book-binding materials. 560,027, June 10; Serial No. 611,320. Class 50.

Waverly Petroleum Products Company, Philadelphia, Pa. Tank with treadle mechanism. 559,924, June 10; Serial No. 614,530, published Mar. 4, 1952. Class 23.

Wayne Pump Company, The, Fort Wayne, Ind. Mechanical hose reels. 559,975, June 10; Serial No. 619,125, published Feb. 5, 1952. Class 23.

Weintraub, Louis, doing business under the name of Miller and Weintraub, New York, N. Y. Equipment and fixtures for stores. 559,819, June 10; Serial No. 598,939, published Mar. 18, 1952. Class 32.

West Disinfecting Company, assignee: *See*—
General Paper Co., Inc.

West Disinfecting Company, Long Island City, N. Y. Preparation prepared for use in the wet cleaning of silks, woolens, linens, and fine fabrics. 292,028, renewed Mar. 1, 1952. O. G. June 10. Class 52.

Western Air Lines, Inc., Los Angeles, Calif. Air transportation of passengers, freight, and mail. 559,979, June 10; Serial No. 525,469, published Mar. 18, 1952. Class 105.

Western Brick Company, Danville, Ill. Lightweight aggregate for concrete. 559,923, June 10; Serial No. 614,375, published Feb. 19, 1952. Class 12.

Western Clock Manufacturing Co., The, Peru, to General Time Corporation, La Salle, Ill. Clocks and watches. 86,356, re-renewed Apr. 30, 1952. O. G. June 10. Class 27.

Western Clock Manufacturing Co., The, Perue, to General Time Corporation, La Salle, Ill. Clocks and watches. 87,388, re-renewed July 9, 1952. O. G. June 10. Class 27.

Western Condensing Company, San Francisco, Calif. Dairy ingredient. 560,013–14, June 10; Serial Nos. 597,477–8. Class 46.

Western Fishing Line Co.: *See*—
Western Lace and Line Company.

Western Lace and Line Company, also doing business as Western Fishing Line Co., Glendale, Calif. Fishing line. 559,785, June 10; Serial No. 588,720, published Mar. 4, 1952. Class 22.

Western Popcorn Company, Atlantic, Iowa. Popcorn. 559,794, June 10; Serial No. 591,705, published Mar. 18, 1952. Class 46.

Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. 444,693, June 10; Serial No. 526,090, published Mar. 11, 1952. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. 559,737, June 10; Serial No. 526,103, published Feb. 26, 1952. Class 37.

West Point Foundry & Machine Co., West Point, Ga. Textile machinery. 560,028–9, June 10; Serial Nos. 611,322–3. Class 23.

West Virginia Pulp and Paper Company, New York, N. Y. Tall oil. 559,822, June 10; Serial No. 599,136, published Mar. 11, 1952. Class 1.

Wheeldex Manufacturing Co., Inc.: *See*—
Scholfield Service, Inc.

White, S. S., Dental Manufacturing Company, Philadelphia, Pa. Dental wire. 292,201, renewed Mar. 1, 1952. O. G. June 10. Class 44.

Whitehead Brothers Company, New York, N. Y. Parting compounds. 559,876, June 10; Serial No. 608,261, published Mar. 11, 1952. Class 1.

Williams Advertising Agency, Inc., New York, N. Y. Research services. 559,992, June 10; Serial No. 600,005, published Mar. 18, 1952. Class 101.

Willmann's Furriers, Oklahoma City, Okla. Fur storage service. 559,983, June 10; Serial No. 553,157, published Mar. 18, 1952. Class 105.

Wilson Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Wilson Herb Co.: *See*—
Wilson, J. S.

Wilson, J. S., doing business under the name of Wilson Herb Co., Detroit, Mich. Medicinal preparation. 559,936, June 10; Serial No. 615,426, published Feb. 26, 1952. Class 18.

Wily, James H., doing business as The Conestoga Company, Bethlehem, Pa. Ammunition. 559,919, June 10; Serial No. 614,183, published Mar. 4, 1952. Class 9.

Windolph Tractor Co., Portland, Oreg. Small garden tractors. 560,032, June 10; Serial No. 613,276. Class 23.

Winnebago Cheese Company: *See*—
Schujahn, Frank.

Wiswell-Everston Shoe Mfg. Co., Cedar Grove, to Herbst Shoe Manufacturing Company, Milwaukee, Wis. Shoes. 291,749, renewed Feb. 23, 1952. O. G. June 10. Class 39.

Witco Chemical Company, Chicago, Ill. Carbon black. 559,885, June 10; Serial No. 610,598, published Mar. 4, 1952. Class 11.

York Safe and Lock Co., York, Pa., to Diebold, Incorporated, Canton, Ohio. Safes and vault-doors. 87,302, re-renewed July 2, 1952. O. G. June 10. Class 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Tecumseh Coal Corporation. 559,944, June 10; Serial No. 616,255, published Mar. 18, 1952.

Corn seed hybrids and field seeds. C. H. Andrew. 559,739, June 10; Serial No. 537,125, published Mar. 18, 1952.

Discontinuous fibres of rayon. Syndicat Français des Textiles Artificiels. 559,852, June 10; Serial No. 605,068, published Mar. 11, 1952.

Discontinuous fibres of rayon. Syndicat Français des Textiles Artificiels. 559,853, June 10; Serial No. 605,072, published Mar. 11, 1952.

Leather. Eagle-Flagg Tanning Corporation. 559,858, June 10; Serial No. 606,006, published Mar. 11, 1952.

Live baby chicks. Gholson's Hatchery. 559,786, June 10; Serial No. 589,083, published Mar. 27, 1951.

Parting compounds. Whitehead Brothers Company. 559,876, June 10; Serial No. 608,261, published Mar. 11, 1952.

Polyester film. E. I. du Pont, de Nemours and Company. 559,948, June 10; Serial No. 616,417, published Mar. 18, 1952.

Seeds. Ferry-Morse Seed Co. 559,841, June 10; Serial No. 602,680, published Mar. 18, 1952.

Tall oil. West Virginia Pulp and Paper Company. 559,822, June 10; Serial No. 599,136, published Mar. 1, 1952.

CLASS 2

Cups and plates. Beach Products, Inc. 560,011, June 10; Serial No. 591,068.

Metal portable paper towel holders. General Paper Co., Inc. 559,828, June 10; Serial No. 600,721, published Mar. 18, 1952.

Wooden products. Rex Redwood Shop. 559,829, June 10; Serial No. 600,850, published Mar. 18, 1952.

CLASS 3

Bags for carrying clothing by hand. Protex Products Company, Inc. 559,902, June 10; Serial No. 612,624, published Mar. 25, 1952.

Brief cases. Leathercraft, Inc. 559,761, June 10; Serial No. 575,915, published Mar. 25, 1952.

Garment hanger-bags for traveling and storage. Leeds Travelwear Corporation. 559,942, June 10; Serial No. 616,177, published Mar. 18, 1952.

Handbags, Ladies'. Butler's, Inc. 559,872, June 10; Serial No. 608,055, published Mar. 25, 1952.

Handbags, Ladies'. Llewellyn, Inc. 559,969, June 10; Serial No. 618,118, published Mar. 25, 1952.

Hand bags, Ladies'. S. F. Stewart. 559,908, June 10; Serial No. 613,198, published Mar. 25, 1952.

Lariats. G. L. Soreghen. 559,846, June 10; Serial No. 603,899, published Mar. 25, 1952.

Leather goods. Greatrex Ltd. 559,816, June 10; Serial No. 598,359, published Mar. 25, 1952.

Pocketbooks and billfolds. St. Thomas Inc. 559,907, June 10; Serial No. 613,145, published Mar. 25, 1952.

Traveling and utility cases. Double Five Products, Inc. 559,899, June 10; Serial No. 612,313, published Mar. 25, 1952.

CLASS 4

Abrasives, Coated. Behr-Manning Corporation. 559,857, June 10; Serial No. 605,840, published Mar. 18, 1952.

Polishing and cleaning preparations. Finnell System, Inc. 559,763, June 10; Serial No. 576,487, published Mar. 18, 1952.

CLASS 5

Cameras, Photographic, photographic lenses, photographic portrait attachments, etc. Eastman Kodak Co. 85,423, Feb. 20, 1912. Republished June 10.

CLASS 6

Ant and roach powder, red squill, liquid ant killer, etc. Chase Products Co. 559,791, June 10; Serial No. 590,806, published Mar. 18, 1952.

Anti-corrosive or corrosion inhibitor. Sterling Industries, Inc. 559,870, June 10; Serial No. 607,779, published Mar. 18, 1952.

Anti-freeze compounds. Champion Soap Co. Inc. 289,144, Nov. 17, 1931. Republished June 10.

Anti-freeze solution. Automobile Dealers Associates, Inc. 559,959, June 10; Serial No. 617,008, published Mar. 18, 1952.

Antioxidant for rubber, Non-discoloring. E. I. du Pont de Nemours and Company. 295,748, renewed July 12, 1952. O. G. June 10.
Cameras, Photographic, photographic lenses, photographic portrait attachments, etc. Eastman Kodak Co. 85,423, Feb. 20, 1912. Republished June 10.
Carbon black. J. M. Huber Corporation. 559,916, June 10; Serial No. 613,915, published Mar. 18, 1952.
Cement hardeners and colors. Bradfield Building Products Co. 292,405, renewed Mar. 15, 1952. O. G. June 10.
Chemical compositions. B. Ostrow. 559,947, June 10; Serial No. 616,384, published Mar. 18, 1952.
Compositions for treatment of oil-well drilling fluids. National Lead Company. 559,946, June 10; Serial No. 616,327, published Mar. 18, 1952.
Derivatives of salicyclic acid. C. F. Boehringer & Soehne. 85,549, re-renewed Feb. 27, 1952. O. G. June 10.
Fluorinated hydrocarbons, Kinetic Chemicals, Inc. 293,851, May 10, 1932. Republished June 10.
Insecticide. Michigan Chemical Corporation. 559,956–7 June 10; Serial Nos. 616,916–17, published Mar. 18, 1952.
Photographic fixing solution. Eastman Kodak Company. 559,958, June 10; Serial No. 616,951, published Mar. 18, 1952.
Powerful germicidal sanitizer. R. E. Click. 559,842, June 10; Serial No. 602,728, published Mar. 18, 1952.
Room deodorizers and room deodorants. Claire Manufacturing Company. 560,016, June 10; Serial No. 600,569.
Starch, Liquid. Safeway Stores, Incorporated. 560,022, June 10; Serial No. 603,598.
Steel hardening compounds. Doughty Research and Development Corporation. 559,801, June 10; Serial No. 594,528, published Mar. 18, 1952.
Synthetic resin for paper, Wet-strength. Hercules Powder Company. 559,945, June 10; Serial No. 616,318, published Mar. 18, 1952.
Wetting agent. L. Sonneborn Sons, Inc. 559,865, June 10; Serial No. 607,052, published Mar. 18, 1952.

CLASS 8

Lighters, Cigarette. Evans Case Co. 559,880, June 10; Serial No. 608,929, published Mar. 11, 1952.
Tobacco pouches. Sears, Roebuck and Co. 559,769, June 10; Serial No. 581,363, published Mar. 18, 1952.

CLASS 9

Ammunition. J. H. Wily. 559,919, June 10; Serial No. 614,183, published Mar. 4, 1952.
Blasting caps, Electric. Olin Industries, Inc. 559,823, June 10; Serial No. 599,774, published Mar. 11, 1952.
Detonating primers. Hercules Powder Company. 559,941, June 10; Serial No. 615,775, published Mar. 11, 1952.
Shotguns, Double barrel, single barrel shotguns and repeating shotguns. Ithaca Gun Company, Inc. 559,787, June 10; Serial No. 589,999, published Mar. 4, 1952.

CLASS 11

Carbon black. Witco Chemical Company. 559,885, June 10; Serial No. 610,598, published Mar. 4, 1952.
Dry colors and pigments for use in printing inks. Ansbacher-Siegle Corporation. 559,833, June 10; Serial No. 601,403, published Mar. 18, 1952.
Dry colors and pigments for use in printing inks. Ansbacher-Siegle Corporation. 559,834, June 10; Serial No. 601,405, published Mar. 18, 1952.
Dry colors and pigments for printing inks. Ansbacher-Siegle Corporation. 559,835, June 10; Serial No. 601,409, published Mar. 18, 1952.
Dry colors and pigments for use in printing inks. Ansbacher-Siegle Corporation. 559,836, June 10; Serial No. 601,416, published Mar. 18, 1952.
Reducing compounds for lithographic and printing inks. Florasynth Laboratories, Inc. 143,336, May 31, 1921. Republished June 10.

CLASS 12

Cement, Plastering. Permanente Cement Company. 559,782, June 10; Serial No. 587,592, published Mar. 11, 1952.
Cement, Portland. The Cement Marketing Company, Limited. 559,927, June 10; Serial No. 614,687, published Mar. 11, 1952.
Expanded vermiculite. American Vermiculite Corporation. 559,812, June 10; Serial No. 597,572, published Feb. 19, 1952.
Gasketing compound. Van Cleef Bros., Inc. 559,830, June 10; Serial No. 601,000, published Mar. 4, 1952.
Light weight aggregate for concrete. Western Brick Company. 559,923, June 10; Serial No. 614,375, published Feb. 19, 1952.
Plaster of calcined gypsum. Certain-teed Products Corporation. 559,895, June 10; Serial No. 611,758, published Feb. 12, 1952.
Plastic heat insulation material. The M. W. Kellogg Co. 296,607, renewed Aug. 16, 1952. O. G. June 10.
Plywood. Georgia-Pacific Plywood & Lumber Co. 559,840, June 10; Serial No. 602,394, published Mar. 11, 1952.
Plywood, veneer, and lumber. United States Plywood Corporation. 559,798, June 10; Serial No. 593,026, published Mar. 4, 1952.
Tile, Floor and wall. The Danbury Rubber Co., Inc. 559,935, June 10; Serial No. 615,372, published Feb. 12, 1952.
Tile, Plastic. Plastile Products, Inc. 559,920, June 10; Serial No. 614,262, published Mar. 11, 1952.

CLASS 13

Barb-wire. The American Steel & Wire Company of New Jersey. 85,639, re-renewed Mar. 5, 1952. O. G. June 10.
Closure structures for openings in metallic containers and parts thereof. American Flange & Manufacturing Company. 292,449, renewed Mar. 15, 1952. O. G. June 10.
Threaded bolts, machine-bolt blanks, bolt ends, etc. American Iron and Steel Manufacturing Company. 86,566, re-renewed May 21, 1952. O. G. June 10.

CLASS 14

Welding electrodes. Atlantic Steel Company. 295,927, renewed July 19, 1952. O. G. June 10.
Welding rods. Atlantic Steel Company. 295,928, renewed July 19, 1952. O. G. June 10.
Wire. The American Steel and Wire Company of New Jersey. 291,849, renewed Feb. 23, 1952. O. G. June 10.

CLASS 15

Fuels, Liquid hydrocarbon Diesel. The Robert T. Pollock Corporation. 559,806, June 10; Serial No. 596,750, published Jan. 22, 1952.
Gasoline, High compression. Dryer, Clark & Dryer Oil Company. 377,412, May 7, 1940. Republished June 10.
Grease, All-purpose lubricating. Georgia-Carolina Oil Company. 559,928, June 10; Serial No. 614,696, published Jan. 22, 1952.
Lubricant, Wire rope. The American Steel and Wire Company of New Jersey. 559,897, June 10; Serial No. 612,111, published Jan. 22, 1952.
Oil, Fuel, road oil, stove oil, etc. Signal Oil Company. 559,930, June 10; Serial No. 614,729, published Jan. 22, 1952.
Oil, Motor lubricating. Dryer, Clark & Dryer Oil Co. 296,632, Aug. 16, 1932. Republished June 10.
Oils and greases, Lubricating. Dryer, Clark & Dryer Oil Company. 373,150, Nov. 28, 1939. Republished June 10.
Oils and greases, Lubricating. Dryer, Clark & Dryer Oil Company. 375,008, Feb. 6, 1940. Republished June 10.
Oils, Illuminating, lubricating oils, lubricating greases, etc. Sterling Oil Company. 293,980, renewed May 10, 1952. O. G. June 10.

CLASS 16

Dry colors, colors mixed in varnish, and ready-mixed decorative and preservative paints. Denny, Hilborn & Rosenbach. 87,049, re-renewed June 25, 1952. O. G. June 10.
Paint enamels, varnish stains, lacquers, etc. Valentine & Company. 295,506, renewed July 5, 1952. O. G. June 10.
Paint, Inside. M. J. Merkin Paint Co., Inc. 296,604, renewed Aug. 16, 1952. O. G. June 10.

CLASS 18

Androgenic hormone preparation. George A. Breon & Company. 559,922, June 10; Serial No. 614,335, published Jan. 22, 1952.
Anti-rheumatic, analgesic, and anti-pyretic preparation. Geigy Company, Inc. 559,912–13, June 10; Serial Nos. 613,812–13, published Jan. 22, 1952.
Antiseptic compounds. Nelson, Baker & Co. 87,472, renewed July 16, 1952. O. G. June 10.
Medicinal preparation. The Maltine Company. 559,911, June 10; Serial No. 613,779, published Jan. 22, 1952.
Medicinal preparation. J. S. Wilson. 559,936, June 10; Serial No. 615,426, published Feb. 26, 1952.
Muscle relaxant. Abbott Laboratories. 559,921, June 10; Serial No. 614,279, published Jan. 22, 1952.
Natural and synthetic essential oils, aromatic chemicals. Firmenich & Co. 559,799, June 10; Serial No. 594,212, published Feb. 12, 1952.
Ointment. I. A. Edelstein. 290,702, renewed Jan. 12, 1952. O. G. June 10.
Pharmaceutical preparation. The Panray Corp. 559,900, June 10; Serial No. 612,470, published Jan. 22, 1952.
Preparation for the treatment of cardiac arrhythmias. E. R. Squibb & Sons. 559,892, June 10; Serial No. 611,249, published Jan. 22, 1952.
Tablet for treatment of heart disease. Chemico Laboratories, Inc. 559,827, June 10; Serial No. 600,647, published Mar. 18, 1952.
Tablets for the treatment of headaches, colds, menstrual pains, etc. Triple AAA Tablets, Inc. 292,244, renewed Mar. 8, 1952. O. G. June 10.
Tonics. H. K. Mulford Co. 38,614, re-renewed July 15, 1952. O. G. June 10.

CLASS 19

Automobile brakes. Packard Motor Car Company. 559,971, June 10; Serial No. 618,365, published Mar. 18, 1952.
Automobile heaters and parts and accessories therefor. Hurd Piston Ring Company. 559,882, June 10; Serial No. 609,845, published Mar. 4, 1952.

Automobiles, Passenger, and structural parts therefor. Nash-Kelvinator Corporation. 559,814, June 10; Serial No. 597,896, published Feb. 19, 1952.
Bicycles. Aldens, Inc. 559,890, June 10; Serial No. 611,007, published Oct. 30, 1951.
Busses, Motor. Fitzjohn Coach Co. 559,793, June 10; Serial No. 591,473, published Mar. 4, 1952.
Caps for automobile gasoline tanks, automobile windshield wipers, etc. Atlas Supply Company. 291,757, renewed Feb. 23, 1952. O. G. June 10.
Caps for automobile gasoline tanks, automobile windshield wipers, etc. Atlas Supply Company. 295,537, renewed July 5, 1952. O. G. June 10.
Carriages and strollers, etc., Baby. Brodsky Bros. 559,813, June 10; Serial No. 597,734, published Mar. 11, 1952.
Helicopters. United Helicopters, Inc. 559,860, June 10; Serial No. 606,247, published Feb. 26, 1952.
Shock absorbers for automotive vehicles. Houdaille-Hershey Corporation. 559,898, June 10; Serial No. 612,167, published July 31, 1951.
Trailers, Wheeled. C. D. Archer. 559,905, June 10; Serial No. 612,888, published Feb. 19, 1952.
Vehicle bodies. Le Baron Detroit Company. 292,848, renewed Mar. 29, 1952. O. G. June 10.

CLASS 20

Resilient enamel surface floor covering. Sloane-Blabon Corporation. 559,938, June 10; Serial No. 615,579, published Mar. 11, 1952.

CLASS 21

Accumulators. Societe des Accumulateurs Elbric S. A. 559,871, June 10; Serial No. 607,969, published Mar. 4, 1952.
Dry cells and dry cell batteries. Ray-O-Vac Company. 559,964, June 10; Serial No. 617,628, published Mar. 4, 1952.
Electric garbage disposal units. Wade Manufacturing Co. 559,883, June 10; Serial No. 610,152, published Feb. 19, 1952.
Electric resistor tubes. The Standard Electric Time Company. 559,955, June 10; Serial No. 616,731, published Feb. 12, 1952.
Electrical apparatus. Hawley Products Company. 559,771, June 10; Serial No. 582,426, published Feb. 5, 1952.
Electrical apparatus. J. F. Scharner. 560,007, June 10; Serial No. 578,828.
Electrical capacitors. Aerovox Corporation. 559,884, June 10; Serial No. 610,304, published Mar. 4, 1952.
Electrical circuit control elements. Ohmite Manufacturing Company. 559,839, June 10; Serial No. 602,284, published Feb. 5, 1952.
Electrical insulation. Insulation and Wires Incorporated. 559,873, June 10; Serial No. 608,164, published Feb. 19, 1952.
Electrical welding apparatus and parts thereof. Ideal Industries, Inc. 559,917, June 10; Serial No. 613,992, published Mar. 4, 1952.
Electronic inter-stage audio coupling units. Globe-Union Inc. 559,918, June 10; Serial No. 614,141, published Feb. 5, 1952.
Expanded cellular resin plastic materials for use as electrically insulating panels, etc. Lockheed Aircraft Corporation. 559,967, June 10; Serial No. 617,760, published Mar. 18, 1952.
Fryers, Electric deep fat. Rival Manufacturing Company. 559,914, June 10; Serial No. 613,826, published Feb. 26, 1952.
Fuse plugs. Trico Fuse Mfg. Co. 559,953, June 10; Serial No. 616,612, published Mar. 11, 1952.
Heating units, Dielectric. Allis-Chalmers Manufacturing Company. 559,893, June 10; Serial No. 611,391, published Feb. 5, 1952.
Iron and steel wire for use in overhead electric transmission lines. Indiana Steel & Wire Company. 559,817, June 10; Serial No. 598,853, published Mar. 11, 1952.
Lamps, Electric. W. Boyd. 559,824, June 10; Serial No. 599,812, published Mar. 4, 1952.
Lighting fixtures, Electric. Macbeth Corporation. 559,952, June 10; Serial No. 616,562, published Feb. 12, 1952.
Lighting fixtures, Fluorescent, ballast, starters, etc. Holdenline Co. 559,736, June 10; Serial No. 514,655, published Feb. 12, 1952.
Magnetic sound recording tape. Audio Devices, Inc. 559,788, June 10; Serial No. 590,641, published Mar. 11, 1952.
Radio receiving sets and parts thereof, radio tubes and loud speakers. United Air Cleaner Corporation. 292,631, renewed Mar. 22, 1952. O. G. June 10.
Spark plugs. Atlas Supply Company. 292,119, renewed Mar. 1, 1952. O. G. June 10.
Storage batteries. Price Battery Corporation. 559,966, June 10; Serial No. 617,677, published Mar. 18, 1952.
Switches. General Electric Company. 559,851, June 10; Serial No. 605,025, published May 29, 1951.
Telephone-holder. Hold-the-Phone! Inc. 559,755, June 10; Serial No. 494,448, published Feb. 12, 1952.
Television deflection yokes, Horizontal and vertical. Alpha Electronics, Inc. 559,881, June 10; Serial No. 609,468, published Feb. 19, 1952.
Vacuum electronic apparatus. Jennings Radio Mfg. Co. 559,805, June 10; Serial No. 596,574, published Mar. 4, 1952.
Vegetable slicing machines, Electrically operated. M. P. Hanson. 559,903, June 10; Serial No. 612,689, published Feb. 12, 1952.

CLASS 22

Accessories for dolls. Sid Gottheimer, Inc. 559,808, June 10; Serial No. 596,912, published Mar. 4, 1952.
Archery equipment, baby exercisers, baseballs, etc. The Emporium Capwell Company. 559,780, June 10; Serial No. 586,741, published Mar. 4, 1952.
Artificial fish lure. W. H. Scott. 560,017, June 10; Serial No. 600,621.
Artificial fishing flies. J. M. Russ. 560,036, June 10; Serial No. 619,651.
Baby walkers. The Murray Ohio Manufacturing Company. 559,847, June 10; Serial No. 604,019, published Feb. 5, 1952.
Combination chum pot, minnow trap and minnow bucket. F. J. Adams. 559,757, June 10; Serial No. 571,834, published Mar. 11, 1952.
Dispenser for salmon eggs to be used as bait. H. M. Babington. 560,015, June 10; Serial No. 599,859.
Dolls. A & H Doll Manufacturing Corp. 559,932, June 10; Serial No. 614,802, published Mar. 11, 1952.
Dolls, Miniature dressed. A & H Doll Manufacturing Corp. 559,889, June 10; Serial No. 610,943, published Jan. 8, 1952.
Dolls, Miniature dressed. A & H Doll Manufacturing Corp. 559,894, June 10; Serial No. 611,674, published Jan. 8, 1952.
Fishing line. Western Lace and Line Company. 559,785, June 10; Serial No. 588,720, published Mar. 4, 1952.
Fishing tackle. The Paul Bunyan Bait Company. 560,005, June 10; Serial No. 574,891.
Golf balls. Atlas Supply Company. 291,684, renewed Feb. 23, 1952. O. G. June 10.
Golf balls. Atlas Supply Company. 295,538, renewed July 5, 1952. O. G. June 10.
Sleeveless jackets embodying inflatable portions and functioning as life-preservers. McLean Mfg. Co., Inc. 559,779, June 10; Serial No. 586,539, published Mar. 11, 1952.
Toy bed, Miniature Hollywood-style. S. Brateman. 559,792, June 10; Serial No. 590,972, published Mar. 18, 1952.

CLASS 23

Antifriction bearings and parts thereof. General Motors Corporation. 559,854, June 10; Serial No. 605,156, published Mar. 11, 1952.
Automatic packaging machines. Shellmar Products Corporation. 559,807, June 10; Serial No. 596,758, published Mar. 4, 1952.
Automobile frame straighteners, teeter racks for automobiles, etc. Bear Manufacturing Company. 292,908, renewed Mar. 29, 1952. O. G. June 10.
Bull staffs, sling carriers, pulleys, etc. Starline, Inc. 559,869, June 10; Serial No. 607,646, published Oct. 9, 1951.
Cameras, Photographic, photographic lenses, photographic portrait attachments, etc. Eastman Kodak Co. 85,423, Feb. 20, 1912. Republished June 10, 1952.
Carburetors and other fuel injectors for internal combustion engines. Bendix Aviation Corporation. 560,003, June 10; Serial No. 527,125.
Centrifugal casting machines. Herman Pneumatic Machine Company. 559,773, June 10; Serial No. 583,343, published Mar. 4, 1952.
Embroidery machines and parts thereof. Madeira Embroidery Co. 559,804, June 10; Serial No. 596,037, published Feb. 19, 1952.
Garbage grinder, Domestic. McPherson Hal Weir. 559,915, June 10; Serial No. 613,851, published Feb. 19, 1952.
Hand, foot, and mechanically operated devices for stripping insulated coatings from metallic wires. Pyramid Products Company. 294,186, renewed May 24, 1952. O. G. June 10.
Mechanical hose reels. The Wayne Pump Company. 559,975, June 10; Serial No. 619,125, published Feb. 5, 1952.
Mechanical lead sharpeners. Fugle-Mellet Products, Inc. 560,008, June 10; Serial No. 586,849.
Oil and gas well equipment. Mid-Continent Supply Co. 559,818, June 10; Serial No. 598,861, published Feb. 5, 1952.
Razor blades. Atlas Supply Company. 294,192, renewed May 24, 1952. O. G. June 10.
Sewing machines. S. K. S. Machine Company. 560,026, June 10; Serial No. 611,108.
Tank with treadle mechanism. Waverly Petroleum Products Company. 559,924, June 10; Serial No. 614,530, published Mar. 4, 1952.
Textile machinery. West Point Foundry & Machine Co. 560,028–9, June 10; Serial Nos. 611,322–3.
Tools, Machine. M. L. Janik. 560,025, June 10; Serial No. 610,907.

Tools, Power press. L. Brody. 559,742, June 10; Serial No. 548,714, published Feb. 19 1952.
Tractors, Small garden. Windolph Tractor Co. 560,032, June 10; Serial No. 613,276.
Vehicle service station and garage equipment. Supreme Equipment Corporation. 559,878, June 10; Serial No. 608,635, published Feb. 26, 1952.

CLASS 24

Laundry ironer pads. Pittsburgh Waterproof Company. 559,978, June 10; Serial No. 620,230, published Mar. 11, 1952.
Laundry washing machines. Plymouth Wholesale Dry Goods Corporation. 559,933, June 10; Serial No. 614,897, published Mar. 11, 1952.
Washing racks for Venetian blinds. C. L. Hittel. 559,772, June 10; Serial No. 582,687, published Mar. 4, 1952.

CLASS 25

Safes and vault-doors. York Safe and Lock Co. 87,302, rerenewed July 2, 1952. O. G. June 10.

CLASS 26

Apparatus for continuously receiving, weighing, and discharging granular materials and the like and for recording and totalizing the weight thereof. Sintering Machinery Corporation. 559,796, June 10; Serial No. 592,342, published Feb. 12, 1952.
Autocollimeters, interferometers, microscopes, telescopes, etc. Svenska Ackumulator Aktiebolaget Jungner. 559,811, June 10; Serial No. 597,417, published Feb. 12, 1952.
Calipers. Inter-Continental Trading Corporation. 559,973, June 10; Serial No. 618,704, published Feb. 26, 1952.
Cameras, Photographic, parts of photographic cameras and accessories. Davega Stores Corporation. 559,976, June 10; Serial No. 619,458, published Feb. 19, 1952.
Cameras, Photographic, photographic lenses, photographic portrait attachments, etc. Eastman Kodak Co. 85,423, Feb. 20, 1912. Republished June 10.
Carpenter's squares. Sargent & Company. 559,877, June 10; Serial No. 608,571, published Feb. 12, 1952.
Correction filters. Tiffen Manufacturing Corporation. 559,758, June 10; Serial No. 572,282, published Feb. 26, 1952.
Drawing templates. E. Dietzgen Co. 559,738, June 10; Serial No. 534,252, published Feb. 12, 1952.
Gauge. Universal Chemists, Inc. 559,974, June 10; Serial No. 618,900, published Feb. 19, 1952.
Goggles, Automobile. Atlas Supply Company. 295,541, renewed July 5, 1952. O. G. June 10.
Measuring pump. Small capacity controlled volume. M. Roy Company. 559,904, June 10; Serial No. 612,828, published Feb. 12, 1952.
Meters, Gas. Begwaco Meters Limited. 559,815, June 10; Serial No. 597,997, published Jan. 8, 1952.
Sensitized, transparent, photographic papers to make engineering reproductions. Keuffel & Esser Company. 444,692, June 10; Serial No. 500,803, published Feb. 19, 1952.
Spectacle cases. E. Nathan. 559,962, June 10; Serial No. 617,158, published Feb. 19, 1952.

CLASS 27

Clocks and watches. The Western Clock Manufacturing Co. 86,356, rerenewed Apr. 30, 1952. O. G. June 10.
Clocks and watches. The Western Clock Manufacturing Co. 87,388, rerenewed July 9, 1952. O. G. June 10.
Timers, Interval. Eastman Kodak Company. 291,146, Feb. 2, 1932. Republished June 10, 1952.

CLASS 29

Chemically treated automobile polishing cloths, nickel polish, chromium polish, etc. Atlas Supply Company. 295,109, renewed June 21, 1952. O. G. June 10.
Device consisting of a tube, nozzle and brush. Alston Manufacturing Company. 559,820, June 10; Serial No. 598,940, published Mar. 4, 1952.
Mops and mop heads. W. A. Ballinger & Co. 559,934, June 10; Serial No. 615,207, published Mar. 4, 1952.
Squeegee for washing windows. P. R. Loveland. 559,810, June 10; Serial No. 597,404, published Mar. 4, 1952.
Washable covers adapted for use with either brooms or mops. Vine Associates. 559,850, June 10; Serial No. 604,828, published Mar. 4, 1952.

CLASS 31

Filters, Oil. Atlas Supply Company. 292,092, renewed Mar. 1, 1952. O. G. June 10.
Filters, Oil. Atlas Supply Company. 295,539, renewed July 5, 1952. O. G. June 10.

CLASS 32

Bars, Portable. Tri-Boro Manufacturing Co. 559,770, June 10; Serial No. 582,328, published Mar. 18, 1952.
Cabinets, Display. Hartwig Incorporated. 559,753, June 10; Serial No. 565,781, published Mar. 4, 1952.
Cabinets, Filing. Scholfield Service, Inc. 293,670, May 3, 1932. Republished June 10
Cabinets, Merchandiser, and service desks. Kent-Moore Organization, Inc. 559,765, June 10; Serial No. 577,126, published Mar. 4, 1952.
Chair pads, High, and mattresses. Rose-Derry Company. 559,963, June 10; Serial No. 617,212, published Mar. 18, 1952.
Chairs and tables, Barber and beauty operator. F. & F. Koenigkramer. 295,071, renewed June 14, 1952. O. G. June 10.
Chairs, Infants' and children's. Fixtures Manufacturing Corp. 559,879, June 10; Serial No. 608,791, published Mar. 11, 1952.
Chairs, Office, household, and factory. Domore Chair Company, Inc. 559,937, June 10; Serial No. 615,488, published Mar. 11, 1952.
Checkroom or wardrobe equipment. Vogel-Peterson Co. 559,910, June 10; Serial No. 613,387, published Mar. 18, 1952.
Desk trays. The Globe-Wernicke Co. 559,826, June 10; Serial No. 600,044, published Mar. 18, 1952.
Equipment and fixtures for stores. L. Weintraub. 559,819, June 10; Serial No. 598,939, published Mar. 18, 1952.
Furniture. Craftique, Inc. 559,925, June 10; Serial No. 614,540, published Mar. 11, 1952.
Furniture. Stern & Co. 559,832, June 10; Serial No. 601,341, published Mar. 4, 1952.
Furniture, Household. Spiegel, Inc. 559,875, June 10; Serial No. 608,258, published Mar. 18, 1952.
Mattresses. Ostermoor & Company, Inc. 559,965, June 10; Serial No. 617,673, published Mar. 18, 1952.
Mattresses and box springs. Burton-Dixie Corporation. 559,825, June 10; Serial No. 600,020, published Mar. 11, 1952.
Mattresses and box springs. The Englander Company, Inc. 559,803, June 10; Serial No. 595,886, published Mar. 4, 1952.
Mattresses, Crib. The Chas. A. Maish Co. 559,750, June 10; Serial No. 562,268, published Mar. 11, 1952.
Mirror and door wicket, Combination transparent. Magic Mirror Associates, Inc. 559,748, June 10; Serial No. 558,569, published Feb. 14, 1950.
Pieces of furniture, Wood case. Dunbar Furniture Manufacturing Company. 559,756, June 10; Serial No. 571,519, published Mar. 18, 1952.
Show cases, Island display, automobile tire display racks, and storage battery display racks. Atlas Supply Company. 295,005, renewed June 14, 1952. O. G. June 10.
Sofas, love seats, ottomans, etc. Paris Decorators Corp. 559,751, June 10; Serial No. 564,346, published Mar. 11, 1952.
Table bases. L & B Products Corporation. 559,831, June 10; Serial No. 601,265, published Mar. 4, 1952.
Venetian blinds, book ends, cabinets, etc. The Emporium Capwell Company. 559,781, June 10; Serial No. 586,742, published Mar. 4, 1952.

CLASS 34

Burners, Oil. The Huenefeld Company. 295,390, renewed June 28, 1952. O. G. June 10.

CLASS 35

Brake-linings. Atlas Supply Company. 293,307, renewed Apr. 19, 1952. O. G. June 10.
Fan belts, Automobile, and automobile radiator hose. Atlas Supply Company. 291,995, renewed Mar. 1, 1952. O. G. June 10.
Lugs. American Tire Machinery Inc. 512,628, July 19, 1949. Corrected. O. G. June 10.
Oil seals made of leather or synthetic material. Allis Seal Corporation. 560,021, June 10; Serial No. 603,176.
Radiator hose, brake linings, and automobile fan belts. Atlas Supply Company. 295,540, renewed July 5, 1952. O. G. June 10.
Tires and tubes, Rubber. Atlas Supply Company. 291,465, renewed Feb. 9, 1952. O. G. June 10.
Tires, Pneumatic vehicle, and portable tire repair kits. The Shaler Company. 291,253, renewed Feb. 2, 1952. O. G. June 10.

CLASS 37

Envelopes, Correspondence. Curtis 1000, Incorporated. 559,939, June 10; Serial No. 615,632, published Mar. 18, 1952.
Envelopes, Mailing. Tension Envelope Corporation. 559,754, June 10; Serial No. 566,193, published Mar. 11, 1952.
Laminated material. Standard Cap and Seal Corporation. 559,778, June 10; Serial No. 586,438, published Mar. 4, 1952.
Paper. American Greeting Publishers, Inc. 559,759, June 10; Serial No. 572,474, published Mar. 18, 1952.
Paper, Coated. Minnesota and Ontario Paper Company. 559,926, June 10; Serial No. 614,562, published Mar. 4, 1952.
Paper, Gummed, gummed cloth, and gummed paper tape, etc. McLaurin-Jones Co. 295,177, renewed June 21, 1952. O. G. June 10.
Paper, Kraft, sulphite paper, bond paper, etc. Mid-States Gummed Paper Co. 559,741, June 10; Serial No. 546,927, published Jan. 8, 1952.

Paper, Mimeograph and bond. Oregon Pulp and Paper Co. 293,632, renewed May 3, 1952. O. G. June 10.
Paper napkins. Scott Paper Company. 559,929, June 10; Serial No. 614,727, published Mar. 11, 1952.
Paper, Reinforced. American Reenforced Paper Company. 559,743, June 10; Serial No. 553,056, published Mar. 4, 1952.
Paper, Starch coated book. Atlantic Paper Company. 559,821, June 10; Serial No. 599,073, published Mar. 4, 1952.
Paper tablets. Western Tablet & Stationery Corporation. 559,737, June 10; Serial No. 526,103, published Feb. 26, 1952.
Paper, Wrapping, and butcher's paper. Gulf States Paper Corporation. 559,845, June 10; Serial No. 603,681, published Mar. 4, 1952.
Papers, Drawing, and illustration boards. Kemart Corporation. 559,745, June 10; Serial No. 554,129, published Mar. 4, 1952.
Papeteries. Western Tablet & Stationery Corporation. 444,693, June 10; Serial No. 526,090, published Mar. 11, 1952.
Partially printed income and tax record forms. Rite-Way Publishing Co., Inc. 559,790, June 10; Serial No. 590,702, published Feb. 26, 1952.

CLASS 38

Books, Fictional and nonfictional. Book-of-the-Month Club, Inc. 559,783, June 10; Serial No. 588,199, published Mar. 18, 1952.
Comic drawings. NEA Service, Inc. 559,855, June 10; Serial No. 605,806, published Mar. 18, 1952.
Decalcomanias. The Meyercord Co. 559,961, June 10; Serial No. 617,154, published Mar. 18, 1952.
Magazine. General Publishing Company, Inc. 560,034, June 10; Serial No. 615,012.
Newspapers. R D News, Incorporated. 560,018, June 10; Serial No. 600,979.
Pamphlets, Printed. Reed & Barton. 560,024, June 10; Serial No. 610,464.
Periodicals. The International Association of Lions Clubs. 559,838, June 10; Serial No. 602,031, published Mar. 18, 1952.
Periodicals. Publisher's Development Corporation. 559,931, June 10; Serial No. 614,785, published Mar. 18, 1952.
Periodicals. Vanadium Corporation of America. 294,609, renewed June 7, 1952. O. G. June 10.
Printed labels. Paramount Paper Products Co. 559,809, June 10; Serial No. 597,224, published Mar. 18, 1952.
Printed religious cards. The Borrowed Timers. 559,951, June 10; Serial No. 616,544, published Mar. 18, 1952.
Section of a newspaper. The Pulitzer Publishing Company. 559,949, June 10; Serial No. 616,448, published Mar. 18, 1952.

CLASS 39

Boots and shoes, Leather. The Excelsior Shoe Company. 87,739, re-renewed Aug. 6, 1952. O. G. June 10.
Boots, pacs, overshoes, etc., Rubber. Goodyear Rubber Company. 559,747, June 10; Serial No. 557,519, published Nov. 1, 1949.
Combinations of strapless brassières and blouses. Blair Corset Company. 560,023, June 10; Serial No. 609,329.
Hosiery for women and girls. Bell-Ray Hosiery Company. 560,033, June 10; Serial No. 614,130.
Hosiery, Ladies'. Hess-Taylor Co., Inc. 560,009, June 10; Serial No. 587,952.
Overshoes, Women's and misses'. The Cambridge Rubber Company. 443,242, Aug. 16, 1949. Republished June 10.
Shoes. Wiswell-Everston Shoe Mfg. Co. 291,749, renewed Feb. 23, 1952. O. G. June 10.
Shoes, Women's, misses', and girls'. Tico Shoe Corporation. 559,784, June 10; Serial No. 588,606, published Apr. 4, 1950.
Suits and coats, Men's and women's. Ellay Stores, Inc. 556,719, Mar. 25, 1952. Disclaimed. O. G. June 10.
Underwear, Women's and misses'. The Munsingwear Corporation. 296,165, renewed July 26, 1952. O. G. June 10.

CLASS 42

Cotton flannels. J. P. Stevens & Co. Inc. 559,906, June 10; Serial No. 613,090, published Mar. 18, 1952.
Fabrics, Curtain and upholstery. Knoll Associates, Inc. 559,802, June 10; Serial No. 595,077, published Mar. 18, 1952.
Fabrics, Woolen. Oregon Worsted Company. 559,864, June 10; Serial No. 607,040, published Mar. 18, 1952.
Piece goods, Cotton. Milton C. Blum, Inc. 559,977, June 10; Serial No. 619,917, published Mar. 18, 1952.
Piece goods, Cotton. Nashua Manufacturing Co. 291,665, renewed Feb. 23, 1952. O. G. June 10.
Tablecloths and napkins. Murray Hill Restaurant, Inc. 559,891, June 10; Serial No. 611,189, published Mar. 18, 1952.
Textile ribbons. Burlington Mills Corporation. 559,859, June 10; Serial No. 606,135, published Mar. 18, 1952.
Yard goods, Cotton print. Donald Barry Productions, Inc. 559,968, June 10; Serial No. 617,855, published Mar. 18, 1952.

CLASS 44

Articles which are used for therapeutic, hygienic, or corrective purposes. M. Negwer. 286,741, renewed Sept. 1, 1951. O. G. June 10.
Dental wire. S. S. White Dental Manufacturing Company. 292,201, renewed Mar. 1, 1952. O. G. June 10.
Heating pads for therapeutic purposes. B. M. Mann. 292,545, renewed Mar. 15, 1952. O. G. June 10.
Sanitary pads. Diana Manufacturing Company. 295,439, renewed July 5, 1952. O. G. June 10.
Surgical bandages. E. F. Buryan. 559,940, June 10; Serial No. 615,686, published Mar. 18, 1952.

CLASS 46

Butter, chili sauce, coffee, etc. Associated Grocers' Company of St. Louis, Mo. 559,762, June 10; Serial No. 576,246, published Nov. 6, 1951.
Candy. Hawley & Hoops. 294,419, renewed May 24, 1952. O. G. June 10.
Candy. Hoben Candy Corp. 559,954, June 10; Serial No. 616,668, published Feb. 19, 1952.
Candy. Melba Sweets Co. 560,006, June 10; Serial No. 575,477.
Canned fish. G. P. Halferty & Co., Inc. 294,945, renewed June 14, 1952. O. G. June 10.
Canned fruits and canned fruit juices. Thornton Canning Company. 559,887, June 10; Serial No. 610,875, published Oct. 30, 1951.
Canned fruits, canned fruit juices, and canned vegetables. Tri-Valley Packing Association. 559,843, June 10; Serial No. 603,170, published Mar. 18, 1952.
Canned mixed vegetables. The Larsen Company. 396,812, Aug. 4, 1942. Republished June 10.
Cheese. Northfield Cheese Corporation. 559,862, June 10; Serial No. 606,480, published Feb. 12, 1952.
Cheese. Purity Cheese Company. 559,768, June 10; Serial No. 581,211, published Mar. 18, 1952.
Cheese, Full-cream. F. Schujahn. 85,501, re-renewed Feb. 20, 1952. O. G. June 10.
Chocolate bars. Aktiengesellschaft Chocolat Tobler. 559,943, June 10; Serial No. 616,218, published Mar. 18, 1952.
Chocolate flavored syrup or powder. Choice Foods, Inc. 295,006, renewed June 14, 1952. O. G. June 10.
Coffee and chicory compound. Interstate Coffee Company. 559,909, June 10; Serial No. 613,332, published Feb. 12, 1952.
Cookies and crackers. United Biscuit Company of America. 559,863, June 10; Serial No. 606,686, published Feb. 12, 1952.
Dairy ingredient. Western Condensing Company. 560,013–14, June 10; Serial Nos. 597,477–8.
Eggs, slaughtered poultry, feeds. Idaho Egg Producers. 560,002, June 10; Serial No. 565,783, published Mar. 18, 1952.
Feed, Cattle. Albers Milling Company. 559,760, June 10; Serial No. 574,127, published Feb. 12, 1952.
Flour, Cereal. Union Trading Company, Ltd. 559,776, June 10; Serial No. 586,375, published Mar. 18, 1952.
Flour, Cereal. Union Trading Company, Ltd. 559,777, June 10; Serial No. 586,382, published Mar. 18, 1952.
Flour, Pancake. General Mills, Inc. 295,373, renewed June 28, 1952. O. G. June 10.
Flour, Pancake, maple sirup, honey, canned blueberries, etc. J. Shea. 559,888, June 10; Serial No. 610,926, published Mar. 18, 1952.
Flour, Wheat. The Colorado Milling & Elevator Co. 559,744, June 10; Serial No. 553,771, published Feb. 5, 1952.
Flour, Wheat. International Milling Company. 559,960, June 10; Serial No. 617,113, published Mar. 18, 1952.
Food composition. H. C. Candeaux. 560,020, June 10; Serial No. 602,888.
Frozen confections. Joe Lowe Corporation. 559,970, June 10; Serial No. 618,300, published Mar. 18, 1952.
Fruits, berries, vegetables, etc., Frozen fresh. Pictsweet Foods, Inc. 559,848, June 10; Serial No. 604,219, published Mar. 18, 1952.
Fruits, Fresh citrus. Consolidated Orange Growers. 559,755, June 10; Serial No. 571,515, published Feb. 5, 1952.
Fruits, Fresh citrus. Richgrove-Jasmine Citrus Association. 560,019, June 10; Serial No. 602,536.
Grapes, Fresh. Joseph La Rosa & Sons. 559,861, June 10; Serial No. 606,384, published Feb. 12, 1952.
Ham, bacon and lard. The Hull & Dillon Pkg. Co. 87,452, rerenewed July 16, 1952. O. G. June 10.
Ice cream confections and ice cream. Eskimo Pie Corporation. 292,280, renewed Mar. 8, 1952. O. G. June 10.
Milk shakes, Heavy bodied. Dairy Queen of Florida. 559,844, June 10; Serial No. 603,440, published Aug. 7, 1951.
Olives and jellies. The South Shore Packing Corporation. 559,972, June 10; Serial No. 618,516, published Mar. 18, 1952.
Popcorn. Western Popcorn Company. 559,794, June 10; Serial No. 591,705, published Mar. 18, 1952.
Popcorn, Salted popped, and unpopped popcorn. C. J. Miller. 559,775, June 10; Serial No. 586,296, published Mar. 18, 1952.

Potato chips. M. L. Devine. 560,004, June 10; Serial No. 567,506.
Poultry feeding materials. Allied Minerals, Inc. 559,764, June 10; Serial No. 576,785, published Mar. 18, 1952.
Produce. Food Fair Stores, Inc. 559,752, June 10; Serial No. 565,327, published Feb. 12, 1952.
Rice, Milled, and dressings and sauces. Edmundson-Duhe Rice Mill Co., Inc. 559,901, June 10; Serial No. 612,533, published Mar. 18, 1952.
Salad dressing and coffee. Sea Fare Restaurant, Inc. 560,012, June 10; Serial No. 594,403.
Salt, Diet and table. Nordmark-Werke G. m. b. H. fur Angewandte Chemie. 292,436, renewed Mar. 15, 1952. O. G. June 10.
Sandwiches and condiment sauce. Triple "XXX" Company. 288,602, renewed Nov. 3, 1951. O. G. June 10.
Sausages. Vienna Sausage Manufacturing Company. 291,716, renewed Feb. 23, 1952. O. G. June 10.
Scrapple. A. F. Goetze. 559,740, June 10; Serial No. 541,668, published Mar. 11, 1952.

CLASS 47

Wines. California Valley Wine Co. 560,031, June 10; Serial No. 612,788.

CLASS 48

Malt beverage. United States Brewing Co. 291,673, renewed Feb. 23, 1952. O. G. June 10.

CLASS 49

Gin. N. V. Maatschappij tot Voortzetting der Amsterdamsche Likeurstokerij "'t Lootsje" der Erven Lucas Bols. 293,126, renewed Apr. 12, 1952. O. G. June 10.
Whiskey. The Frankfort Distillery, Inc. 309,109, Jan. 2, 1934. Republished June 10.

CLASS 50

Book-binding materials. R. & W. Watson, Limited. 560,027, June 10; Serial No. 611,320.
Painters' and paperhangers' drop cloths. N. A. Shane. 292,867, renewed Mar. 29, 1952. O. G. June 10.
Sign facings for traffic markers. Grace Sign & Mfg. Co. 560,030, June 10; Serial No. 611,695.

CLASS 51

Cold cream and hand cream. Potter Drug & Chemical Corporation. 599,849, June 10; Serial No. 604,544, published Feb. 12, 1952.
Dentifrices. A. K. Butler. 559,795, June 10; Serial No. 592,190, published Mar. 11, 1952.
Deodorant, Personal. Cheramy, Inc. 559,896, June 10; Serial No. 612,003, published Feb. 12, 1952.
Face powder and talcum powder. H. H. Ayer, Inc. 559,749, June 10; Serial No. 559,898, published Jan. 22, 1952.
Hair colour. La Maur, Inc. 559,797, June 10; Serial No. 592,709, published Feb. 12, 1952.
Medicinal, antiseptic, and deodorant compound. Lambert Pharmacal Company. 293,285, renewed Apr. 19, 1952. O. G. June 10.
Mouth wash. Extraction and Chemical Company, Inc. 559,774, June 10; Serial No. 584,444, published Feb. 12, 1952.
Perfume. N. D'Amico. 559,868, June 10; Serial No. 607,317, published Feb. 19, 1952.
Perfume, lipstick, rouge, and face powder. Consolidated Cosmetics. 559,746, June 10; Serial No. 555,160, published Feb. 12, 1952.
Perfumes. I. F. Craft. 559,789, June 10; Serial No. 590,651, published Mar. 11, 1952.
Perfumes. Michel Cosmetics, Inc. 559,886, June 10; Serial No. 610,709, published Feb. 12, 1952.
Perfumes. Vigny, Inc. 559,856, June 10; Serial No. 605,818, published Feb. 19, 1952.
Perfumes, toilet waters, face lotions, etc. Vigny, Inc. 559,866, June 10; Serial No. 607,060, published Feb. 19, 1952.
Skin creams, skin lotions, and personal deodorants, etc. Maternity Cosmetics, Inc. 559,837, June 10; Serial No. 601,805, published Mar. 11, 1952.
Solutions used to impart permanent waves to the hair. Rilling Company. 559,874, June 10; Serial No. 608,223, published Oct. 9, 1951.
Tooth paste. Walter Janvier, Inc. 294,354, renewed May 24, 1952. O. G. June 10.

CLASS 52

Anti-freeze compound, Automobile, automobile radiator cleaning compound, and automobile radiator sealing compound. Atlas Supply Company. 295,699, renewed July 12, 1952. O. G. June 10.
Cleaners. Klem Chemicals Inc. 559,767, June 10; Serial No. 580,603, published Mar. 18, 1952.
Cleaning and washing compound. Sandy Valley Grocery Company. 560,010, June 10; Serial No. 588,970.
Detergents. Finger Lakes Chemical Company, Inc. 559,766, June 10; Serial No. 579,461, published Mar. 18, 1952.
Energizing preparation for increasing digester bath activity. Patek and Co. 560,035, June 10; Serial No. 615,992.
Preparation prepared for use in the wet cleaning of silks, woolens, linens, and fine fabrics. West Disinfecting Company. 292,028, renewed Mar. 1, 1952. O. G. June 10.
Preparation primarily intended for preventing the formation of and for removing scale, etc. D. W. Haering & Company. 292,257, renewed Mar. 8, 1952. O. G. June 10.
Soap and shampoo. Lehn & Fink Products Corporation. 559,867, June 10; Serial No. 607,257, published Mar. 18, 1952.
Soap, Medicinal and toilet. E. T. Browne Drug Company Inc. 296,319, renewed Aug. 2, 1952. O. G. June 10.
Synthetic and natural aromatic chemicals and essential oils used as ingredients for detergents and soaps. Firmenich & Co. 559,800, June 10; Serial No. 594,448, published Jan. 22, 1952.
Toilet-soap. Lambert Pharmacal Co. 38,511, rerenewed June 24, 1952. O. G. June 10.

CLASS 100

Consultation and advisory services. R. S. Aries. 559,987, June 10; Serial No. 585,739, published Mar. 18, 1952.
Dissemination of information and publicity. American Water Works Association, Inc. 559,989, June 10; Serial No. 588,849, published Mar. 18, 1952.
Engineering and consulting services. Servo Corporation of America. 559,985, June 10; Serial No. 570,322, published Mar. 18, 1952.
Photographing infants. Rolland Laboratories, Inc. 559,981, June 10; Serial No. 533,781, published Mar. 18, 1952.
Technical advice and information, etc., relative to the construction of buildings. Mobilhome Corporation of America. 559,988, June 10; Serial No. 586,249, published Mar. 18, 1952.

CLASS 101

Research services. Williams Advertising Agency, Inc. 559,992, June 10; Serial No. 600,005, published Mar. 18, 1952.
Telephone answering service and mail address service. The Bell Answering System. 559,999, June 10; Serial No. 613,627, published Mar. 18, 1952.

CLASS 102

General real-estate brokerage. Gallery of Homes, Inc. 559,993, June 10; Serial No. 602,316, published Mar. 18, 1952.

CLASS 103

Cleaning, polishing, sterilizing and immunizing from disease of telephone, dictaphones, and related instruments. Hygienic Phone Service, Inc. 559,982, June 10; Serial No. 552,244, published Mar. 18, 1952.
Dusting, de-mothing, cold storage of furs and fur garments. P. Schlampp & Son. 559,984, June 10; Serial No. 557,966, published Mar. 18, 1952.
Fabric repair services. National Multiweaving Company. 560,000, June 10; Serial No. 616,237, published Mar. 18, 1952.
Leasing of concrete building forms. Baker-Roos, Inc. 559,997, June 10; Serial No. 606,964, published Mar. 18, 1952.
Service, maintenance, and repair of motor vehicles, etc. American Bosch Corporation. 559,990, June 10; Serial No. 596,063, published Mar. 18, 1952.
Services performed for motorists. Ashland Oil & Refining Company. 560,001, June 10; Serial No. 580,115, published Dec. 4, 1951.
Treatment of steel tanks against corrosion, etc. Tnemec Company, Inc. 559,980, June 10; Serial No. 527,549, published Mar. 18, 1952.

CLASS 105

Air transportation of passengers and freight. Compagnie Nationale Air France. 559,995, June 10; Serial No. 605,724, published Mar. 18, 1952.
Air transportation of passengers, freight and mail. Western Air Lines, Inc. 559,979, June 10; Serial No. 525,469, published Mar. 18, 1952.
Fur storage service. Willmann's Furriers. 559,983, June 10; Serial No. 553,157, published Mar. 18, 1952.
Transporting packing-house products. Mohawk Motor Lines, Inc. 559,986, June 10; Serial No. 583,160, published Mar. 18, 1952.
Travel service. L. R. Jones. 559,991, June 10; Serial No. 598,304, published Mar. 18, 1952.
Travel services. J. B. Sousa. 559,996, June 10; Serial No. 606,338, published Mar. 18, 1952.

CLASS 106

Dyeing of all types of textiles. Peerless Finishing Corp. 559,998, June 10; Serial No. 608,433, published Mar. 18, 1952.
Grinding lenses for eye glasses to the individual prescriptions furnished by eye physicians. House of Vision-Belgard-Spero, Inc. 559,994, June 10; Serial No. 602,532, published Mar. 18, 1952.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Andrews, H. P., Paper Company, assignee: *See*—
Jahoda, Edward.
Dental Perfection Company, assignee: *See*—
Noyes, Stanley E.
Jahoda, Edward, Manhasset, assignor to H. P. Andrews Paper Company, New York, N. Y. Making photographic paper. Re. 23,510, June 10.
New Jersey Machine Corporation, assignee: *See*—
Von Hofe, George W.
Noyes, Stanley E., assignor to Dental Perfection Company, Glendale, Calif. Stress breaker. Re. 23,511, June 10.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine and method for applying labels to articles on a conveyer. Re. 23,512, June 10.

LIST OF PLANT PATENTEES

Armstrong, John A., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,104, June 10.
Armstrong Nurseries, Inc., assignee: *See*—
Armstrong, John A.
Swim, Herbert C.
Hahn, Louis, & Son, assignee: *See*—
Hahn, Walter S.
Hahn, Walter S., assignor to Louis Hahn & Son, Pittsburgh, Pa. Ivy plant. 1,102, June 10.
Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 1,103, June 10.

LIST OF DESIGN PATENTEES

A. A. A. Furniture Co. Inc., assignee: *See*—
Giglio, John.
Ambellan, Harold, New York, N. Y. Plywood bowl or similar article. 166,940, June 10.
Appleton, Lou, New York, N. Y. Textile fabric or similar article of manufacture. 166,941, June 10.
Arrow Manufacturing Company, Incorporated, assignee: *See*—
Weill, Milton.
Bartner, Howard C.: *See*—
Bartner, Walter B. and H. C.
Bartner, Walter B. and H. C., Toms River, N. J. Puppet. 166,942, June 10.
Beck, John A., Perkasie, Pa. Stocking. 166,943, June 10.
Beckman, William R., Chicago, and C. E. Crooks, assignors to Spotnails, Inc., Evanston, Ill. Stapling hammer or the like. 166,944, June 10.
Beeson, Clement T.: *See*—
Spencer, Harlan L., and Beeson.
Bell & Howell Company, assignee: *See*—
Muller-Munk, Peter.
Berman, Harry: *See*—
Errico, Vito, Berman, and Lofrese.
Bingham, George H., Jr., Taneytown, Md. Boot. 166,945, June 10.
Black, John M., assignor to Superior Plastics Inc., Chicago, Ill. Wall plaque or similar article. 166,946, June 10.
Blecher, Boris, Philadelphia, Pa. Ash tray. 166,947, June 10.
Boots, William C., Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass. Expansible chain for a bracelt or the like. 166,948, June 10.
Brodes, William S., New Haven, Conn. Game apparatus for the spelling of words. 166,949, June 10.
Bryant, Ruth, Alton, Ill. Pillow case. 166,950, June 10.
Christy, Lee, Kansas City, Mo. Lamp. 166,951, June 10.
Clarke, Warren H., assignor to Kalex Corporation, New York, N. Y. World clock. 166,952, June 10.
Clarke, William B., Sewickley, Pa. Golf club cart. 166,953, June 10.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Crooks, Charles E.: *See*—
Beckman, William R., and Crooks.
Dazor Manufacturing Corp., assignee: *See*—
Lordo, Alphonse.
Du Pont, E. I., de Nemours and Company, assignee: *See*—
Kahn, Lester.
Eastman Kodak Company, assignee: *See*—
Knowles, Frederick G.
Eisendrath, Robert N., Chicago, Ill. Combination love seat, lounge, and bed. 166,954, June 10.
Errico, Vito, New Hyde Park, H. Berman, and D. Lofrese, Bronx, N. Y., assignors to Victory Optical Manufacturing Co., Newark, N. J. Spectacle frame or similar article. 166,955, June 10.
Errico, Vito, New Hyde Park, H. Berman, and D. Lofrese, Bronx, N. Y., assignors to Victory Optical Manufacturing Co., Newark, N. J. Ornament for spectacle frame parts. 166,956, June 10.
Ershler, Philip, Washington, D. C. Partitioning device for automobile glove compartment. 166,957, June 10.
Florman, Irving, New York, N. Y. Cigarette holder. 166,958, June 10.
Fornoff, Henry G., Los Angeles, Calif. Fry pan cover. 166,959, June 10.
Foster Metal Products Incorporated, assignee: *See*—
Boots, William C.
Germain, Amedie J., Yalesville, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 166,960, June 10.
Gibson Refrigerator Company, assignee: *See*—
Janes, Richard B.
Giglio, John, New York, assignor to A. A. A. Furniture Co. Inc., Brooklyn, N. Y. Child's rocker or similar article. 166,961, June 10.
Goforth, Sidney G., Jr.: *See*—
Goforth, Sidney G., Sr., and S. G., Jr.
Goforth, Sidney G., Sr., Memphis, and S. G. Goforth, Jr., Millington, Tenn. Table lamp base. 166,962, June 10.
Hallbauer, Walter, Union City, N. J. Narrow embroidered eyelet trimming. 166,963, June 10.
Hallbauer, Walter, Union City, N. J. Narrow embroidered eyelet trimming. 166,964, June 10.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat or similar article. 166,965, June 10.
Hirst, Sheldon F., assignee: *See*—
Rasmussen, Randall.
Hirst, Willard J., assignee: *See*—
Rasmussen, Randall.
Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Side mounted lantern. 166,966, June 10.
Interstate Engineering Corporation, assignee: *See*—
Russell, Edward P.
Jacoby-Bender, Inc., assignee: *See*—
Rodriguez, Emil.
Janes, Richard B., Baldwin Lake, assignor to Gibson Refrigerator Company, Greenville, Mich. Combined backsplasher and top for electric ranges. 166,967, June 10.
Kahn, Lester, Jersey City, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Comb or similar article. 166,968, June 10.
Kalex Corporation, assignee: *See*—
Clarke, Warren H.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,969, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,970, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,971, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,972, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,973, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,974, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,975, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,976, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,977, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or the like. 166,978, June 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 166,979, June 10
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 166,980, June 10.
Knowles, Frederick G., assignor to Eastman Kodak Company, Rochester, N. Y. Motion-picture projector. 166,981, June 10.
Lafferty, William, Providence, R. I., assignor to Reed and Barton, Taunton, Mass. Spoon or similar article. 166,982, June 10.
Laskowitz, Joseph F., St. Louis, Mo. Lounge chair. 166,983, June 10.
Lawrence, Ralph E., Sacramento, Calif. Fishing line sinker. 166,984, June 10.
Liberty Coach Company, Inc., assignee: *See*—
Spencer, Harlan L., and Beeson.
Linder, Hugo G., Philadelphia, Pa. Stocking. 166,985, June 10.
Lofrese, Dominick: *See*—
Errico, Vito, Berman, and Lofrese.
Lordo, Alphonse, assignor to Dazor Manufacturing Corp., St. Louis, Mo. Lamp for sewing machines. 166,986, June 10.
McKee Glass Company, assignee: *See*—
Poglein, Louis.
Wood, William A.
Miller, Henry L., Chicago, Ill., assignor to Sinko Mfg. & Tool Co. Wind deflector. 166,987, June 10.
Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Bell & Howell Company, Chicago, Ill. Standard for motion-picture projectors or the like. 166,988, June 10.
National Bank and Trust Company of South Bend, The, administrator: *See*—
Spencer, Harlan L., and Beeson.
Old, Robert C., Spokane, Wash. Liquid dispenser. 166,989, June 10.
O'Neill, Ralph A., Englewood, N. J. Deck chair. 166,990, June 10.
Ovendale, Raymond H., Alhambra, Calif. Table unit. 166,991, June 10.
Peters, Leo, Evanston, Ill. Molded food product. 166,992, June 10.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 166,993, June 10.
Poglein, Louis, assignor to McKee Glass Company, Jeannette, Pa. Glass ash tray. 166,994, June 10.
Rachins, Edward, Brookline, Mass. Bottle or similar article. 166,995, June 10.
Rachins, Edward, Brookline, Mass. Bottle. 166,996, June 10.
Rachins, Edward, Brookline, Mass. Bottle. 166,997, June 10.
Rambusch Decorating Company, assignee: *See*—
Huegel, Eduard R.
Rasmussen, Nells L., assignee: *See*—
Rasmussen, Randall.
Rasmussen, Randall, Orem, assignor of one-sixth to W. J. Hirst, one-sixth to N. L. Rasmussen, Orem, one-sixth to L. M. Wolsey and one-sixth to S. F. Hirst, Provo, one-sixth to R. J. Wolsey, Springville, Utah. Television stand or similar article. 166,998, June 10.
Reed and Barton, assignee: *See*—
Lafferty, William.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 166,999, June 10.
Rogers, Floyd E., New Westminster, British Columbia, Canada. Receptacle for ashes, eggs, pins, and the like. 167,000, June 10.
Rosen, Fillmore K., West Hempstead, N. Y. Lady's stocking. 167,001, June 10.
Russell, Edward P., assignor to Inter-State Engineering Corporation, El Segundo, Calif. Vacuum cleaner casing. 167,002, June 10.
Russell, Edward P., assignor to Inter-State Engineering Corporation, El Segundo, Calif. Vacuum cleaner casing. 167,003, June 10.
Sanson Hosiery Mills, Inc., assignee: *See*—
Sanson, Stanton D.
Sanson, Stanton D., Elkins Park, assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa. Stocking. 167,004, June 10.
Sarna, Sajjan S., New York, N. Y. Combined bell and bottle cap remover. 167,005, June 10.
Schaper, William H., Robinsdale, Minn. Separable toy figure for a construction game or the like. 167,006, June 10.
Sinko Mfg. & Tool Co., assignee: *See*—
Miller, Henry L.
Spencer, Effie P., administrator: *See*—
Spencer, Harlan L., and Beeson.
Spencer, Harlan L., deceased, Syracuse, Ind., by E. P. Spencer, Syracuse, and The National Bank and Trust Company of South Bend, South Bend, administrators, and C. T Beeson, assignors to Liberty Coach Company, Inc, Bremen, Ind Trailer coach. 167,007, June 10.
Spilman, Virginia G., Albuquerque, N. Mex. Moccasin. 167,008, June 10.
Spotnails, Inc., assignee: *See*—
Beckman, William R., and Crooks.
Superior Plastics Inc., assignee: *See*—
Black, John M.
Tersini, Angelo, San Jose, Calif. Plant root receptacle. 167,009, June 10.
Thompson, Rebecca L., Arlington, Vt. Clockcase. 167,010, June 10.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Victory Optical Manufacturing Co., assignee: *See*—
Errico, Vito, Berman, and Lofrese.
Waer, John A., Las Vegas, Nev. Game board or the like. 167,011, June 10.
Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Germain, Amedie J.
Warren, William S.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 167,012, June 10.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or similar article. 167,013, June 10.
Weill, Milton, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J. Watch box. 167,014, June 10.
Wolsey, Louis M.: *See*—
Rasmussen, Randall.
Wolsey, Rex J., assignee: *See*—
Rasmussen, Randall.
Wood, William A., assignor to McKee Glass Company, Jeannette, Pa. Glass goblet. 167,015, June 10.
Zaccone, Samuel G., Chicago, Ill. Bookmark. 167,016, June 10.
Zylberberg, Leon W., Norristown, Pa. Stocking. 167,017, June 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abendroth, Guss F., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Well screen. 2,600,150, June 10.
Able, Edward T., and W. Krieger, assignors to B. K. Sweeney Mfg. Co., Denver, Colo. Socket wrench extension. 2,600,177, June 10.
Abrams, Stanley T., and F. H. Stross, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Grease composition. 2,599,683, June 10.
Acard, David, Brooklyn, N. Y. Bottle cap lifter with pivoted arms. 2,599,968, June 10.
Acker, George H., Shaker Heights, assignor to The Farval Corporation, Cleveland, Ohio. Lubricating mechanism. 2,600,178, June 10.
Adams, Philip N., Compton, Calif. Stabilized pipe repair clamp. 2,599,882, June 10.
Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Nitrogen-containing organic compounds and their preparation. 2,599,737, June 10.
Adelson, David E., Berkeley, and R. G. Larsen, Albany, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition containing the reaction product of biuret and aliphatic esters of hydroxy acids. 2,599,736, June 10.
Admiral Corporation, assignee: *See*—
Burrise, Andrew H.
Aero Zipp Fasteners Limited, assignee: *See*—
Backer, Joachim.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Fisher, Charles H., Filachione, and Fein.
Air Controls, Inc., assignee: *See*—
Friedman, Arthur, and Silber.
Aircraft-Marine Products, Inc., assignee: *See*—
Macy, James C.
Akers, Harrison R., Tyler, Tex. Guard rail clamp. 2,599,599, June 10.
Aktiebolaget Elektrolux, assignee: *See*—
Kögel, Wilhelm G.
Aktiebolaget Separator, assignee: *See*—
Eckers, Carl G.
Alex, Ralph P.: *See*—
Buivid, Michel D., and Alex.
Alford, Andrew, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Split cylinder antenna. 2,600,179, June 10.
Allegheny Steel Band Company, assignee: *See*—
Dunbar, Jack W.
Allen, Frank B., Towaco, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguisher multiple horn assembly. 2,599,533, June 10.
Alley, Frank H., assignee: *See*—
Jarrett, Leon R.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Mikolic, Charles R., and Beling.
American Brake Shoe Company, assignee: *See*—
Dalrymple, William P.
American Briquet Company, assignee: *See*—
Gilbert, Stanley A.
American Car and Foundry Company, assignee: *See*—
Burgess, Francis T.
Folmsbee, Clyde H.
Toth, Michael C.
American Cyanamid Company, assignee: *See*—
Consulich, Donna B.
Denton, John J., and Schedl.
Donofrio, Alfonso M.
Nolan, Kenneth G., and Fletcher.
Stansly, Philip G., Shepherd, and Winterbottom.
Stirn, Frank E., and Taylor.
American Metal Company, Limited, The, assignee: *See*—
Graves, Ritson H., and Ednie.
American Optical Company, assignee: *See*—
Barnes, Robert B.
Gunning, William A., and Favre.
Splaine, Edward M.
American Seating Company, assignee: *See*—
Hoven, Alfred C., and Nordmark.
American Steel Foundries, assignee: *See*—
Schlegel, Walter L., Jr.
American Type Founders, Inc., assignee: *See*—
Hernblad, Nils G.
American Viscose Corporation, assignee: *See*—
Castellan, Carl A.
Ames, Fletcher, Palo Alto, assignor to Ames Harris Neville Co., San Francisco, Calif. Cam actuated bag closure mechanism. 2,599,738, June 10.
Ames Harris Neville Co., assignee: *See*—
Ames, Fletcher.
Anchor Hocking Glass Corporation, assignee: *See*—
Fouse, Frederick Z.
Von Hofen, Edward L.
Anderson Die Casting & Engineering Corporation, assignee: *See*—
Bennett, James C.
Annin, Douglas H., Oakland, Calif., assignor, by mesne assignments, to M & J Engineering Co. Fluid flow control apparatus. 2,599,534, June 10.
Anson Incorporated, assignee: *See*—
Johnson, Albert A.
Anson, Wilfrid E.: *See*—
Webster, Charles J., and Anson.
Arco Company, The, assignee: *See*—
Hexter, Paul L.
Arden Farms Co., assignee: *See*—
Luterick, Marcellus C.
Ardis, Alan E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Solutions of polymers of vinylidene cyanide. 2,600,180, June 10.
Armitage, Joseph B., Wauwatosa, and H. L. Heywood, West Allis, Wis. Hydraulic clutch mechanism. 2,600,043, June 10.
Armstrong, Daniel A., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Outboard motor with removable cover casing. 2,600,181, June 10.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Milton, Clare L., Jr., and Nielson.
Arnold, Albert W., Beverly Hills, assignor to Cascade Pump Company, Los Angeles, Calif. Pump. 2,599,600, June 10.
Arnold, George, Shaker Heights, H. A. Schultz, Garfield Heights, and E. E. Rhoads, Solon, assignors to Cleveland Frog & Crossing Co., Cleveland, Ohio. Rail brace. 2,600,183, June 10.
Arnold, George B., Glenham, and L. Kovach, Beacon, assignors to The Texas Company, New York, N. Y. Refining kerosenes and gas oil by ternary azeotropic distillation with furfural and water. 2,600,182, June 10.
Arnold, George B., Fishkill, and L. Kovach, Beacon, assignors to The Texas Company, New York, N. Y. Refining kerosenes and gas oil by ternary azeotropic distillation. 2,600,184, June 10.
Arthur, Oscar F., and F. Schulle, deceased, Pueblo Savings & Trust Company, Pueblo, Colo., executor of said F. Schulle, assignor to said Arthur. Rail anchor. 2,600,089, June 10.
Ashworth, Frank: *See*—
Cunliffe, Percy W., Sharp, and Ashworth.
Aske, Irving E., Muskegon, Mich. Grass clipping guide for lawn mowers. 2,599,883, June 10.
Autocall Company, The, assignee: *See*—
Seaton, Harold E.
Automatic Buff Company, assignee: *See*—
Sax, Ben P.
Auto Tyre Services Limited, assignee: *See*—
Kent, Jan H. F.
Avco Manufacturing Corporation, assignee: *See*—
Constantine, Arthur R.
Wissel, Francis A.
Avery, Henry A., and J. P. Barkdoll, Groton, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Line spacing mechanism for typing machines. 2,599,535, June 10.
Axworthy, Charles G., Pawtucket, R. I., assignor to Union Wadding Company. Hand-operated web cutting apparatus. 2,599,601, June 10.
Ayers, Charles L., Puyallup, and W. M. Murray, Bellingham, Wash. Domestic electric furnace. 2,600,044, June 10.
B. B. Chemical Co., assignee: *See*—
Perkins John L., and Sylvester.
Babcock & Wilcox Company, The, assignee: *See*—
Taylor, George A.
Backer, Joachim, Whitchurch, Wales, assignor to Aero Zipp Fasteners Limited, London, England. Slider for slide fasteners. 2,599,536, June 10.
Backhouse, Headly T., Wentworth, England. Mechanism for registering sheets. 2,599,602, June 10.
Backus, John G., Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ion producing mechanism. 2,600,151, June 10.

Badger, Harry M., assignor to Landers, Frary & Clark, New Britain, Conn. Cover fastening means. 2,599,527, June 10.

Bahnson Company, The, assignee: *See*—
King, James F., Jr.

Bajulaz, Roger, Geneva, Switzerland. Ball bearing. 2,599,969, June 10.

Bakken, Hans H., Pueblo, Colo. Sparkler fishhook. 2,599,684, June 10.

Bakker, Pieter: *See*—
Goebel, Johannes, Bakker, and Hoogland.

Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Lewis, Frank M., and Morain.

Ballard, Lyttleton W., Ilchester, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse delay circuits. 2,600,185, June 10.

Ballard, Seaver A., Orinda, R. C. Morris, Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,599,803, June 10.

Banos, Alfredo, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Cavity resonator. 2,600,186, June 10.

Barber-Colman Company, assignee: *See*—
Ransome, Stafford M.

Barber, William E., Woking, and J. O. Cole, Barnehurst, assignors to A. Wells & Company Limited, London, England. Antivibration mounting device. 2,600,090, June 10.

Barkdoll, Joseph P.: *See*—
Avery, Henry A., and Barkdoll.

Barkdoll, Joseph P., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Adjustable margin regulating means for typing machines. 2,599,537, June 10.

Barker, Sydney W., Colne, England, assignor to Lustrafil Limited. Apparatus for advancing strands. 2,599,603, June 10.

Barnes, Robert B., Stamford, Conn., assignor to American Optical Company, Southbridge, Mass. Cathode-ray tube. 2,599,739, June 10.

Barrons, John, Kilsyth, Scotland. Orthopedic shoe. 2,599,970, June 10.

Bart, Thomas E., assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio. Water service fixture. 2,600,187, June 10.

Batcheller, Hugh W., Newton Highlands, Mass. Spade connector. 2,600,188, June 10.

Batcheller, Hugh W., Newton Highlands, Mass. Solderless electrical conductor clamp. 2,600,189, June 10.

Batcheller, Hugh W., Newton, Mass. Electric connector female member. 2,600,190, June 10.

Bates, Emile B., Leicester, England. Apparatus for milling fabrics. 2,599,804, June 10.

Bauer, Jordan V., Elmwood Park, and R. H. Curtis, St. Charles, Ill. Filter element. 2,599,604, June 10.

Beach, Benjamin F., Fairway, Kans. Knockdown display rack. 2,600,191, June 10.

Becker, Maximilian C., East Orange, N. J. Clothespin. 2,600,091, June 10.

Beecham Research Laboratories Limited, assignee: *See*—
Johnson, John D. A.

Beezley, Weldon D., and O. V. Phillips, Denver, Colo. Repeating toy bubble gun. 2,599,888, June 10.

Behnisch, Robert: *See*—
Schmidt, Hans, Behnisch, and Mietzsch.

Beijbom, Carl-Axel, Trelleborg, Sweden. Device for dispensing material from collapsible tubes. 2,599,805, June 10.

Beling, Geert D.: *See*—
Mikolic, Charles R., and Beling.

Bell, John, Dalkeith, Australia. Fly screen 2,600,192, June 10.

Bell Machine Company, The, assignee: *See*—
Welland, Clarence H.

Bell, Persa R., Jr., Oak Ridge, Tenn., and D. Gale, New York, N. Y., assignors, by mesne assignments, to United States of America as represented by the Secretary of War. Comparator circuit for moving target indication radar systems. 2,600,193, June 10.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Fox, Arthur G.
Kock, Winston E.

Benchemoul, Norbert R., Paris, France. Variable liquid resistance apparatus. 2,599,806, June 10.

Bendix Aviation Corporation, assignee: *See*—
Eltgroth, George V.
Poole, Harmon A., Jr.
Sloane Robert W.
Teague, Walter D., Jr.
Winkler, Albert H.

Bennett, James C., Inglewood, assignor to Anderson Die Casting & Engineering Corporation, Los Angeles, Calif. Venetian blind tilting mechanism. 2,599,884, June 10.

Bennett, Twiggs, Amite, La. Bee brooder. 2,600,194, June 10.

Benua, William E., Columbus, Ohio. Automatic speed-synchronizing mechanism for twin engines. 2,599,885, June 10.

Beresford, James, & Son Limited, assignee: *See*—
Smith, Sidney A.

Berg, Earl L.: *See*—
Cooper, Miles S., and Berg.

Bergan, Martin D., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,600,371, June 10.

Berger, Leo: *See*—
Lee, John, and Berger.

Berger, Martin M., and J. Morales, New York, N. Y. Cigar vending apparatus. 2,599,685, June 10.

Bergmann, Paul F., assignor to Johnson Products, Inc., Muskegon Heights, Mich. Hydraulic tappet. 2,599,886, June 10.

Bersworth, Frederick C., Verona, N. J. Alkylene polyamine methylene phosphonic acids. 2,599,807, June 10.

Besse, Victor E., Fort Worth, Tex. Reaming tool. 2,599,887, June 10.

Beveridge, Harold N., Washington, D. C., assignor to Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Capacitance meter. 2,599,528, June 10.

Beveridge, John V., Oakland, Calif. Patten. 2,599,740, June 10.

Biggs, John A., E. A. Heald, and F. L. Moseley, assignors to Collins Radio Company, Cedar Rapids, Iowa. Computer device for navigation systems and the like. 2,599,889, June 10.

Binks, Melvin J.: *See*—
Durant, Lyndon A., and Binks.

Bird Machine Company, assignee: *See*—
Milliken, George A., and Topping.

Bishman, Archie C.: *See*—
Bishman, Edwin F. and A. C.

Bishman, Edwin F. and A. C., Hutchinson, Minn. Unloading jack. 2,599,741, June 10.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Demulsifying. 2,599,538, June 10.

Blatt, Perry, Chicago, Ill. Shower curtain. 2,600,152, June 10.

Blondeau, René, and J. Van Overbeek, Modesto, and R. R. Whetstone, Orinda, assignors to Shell Development Company, San Francisco, Calif. Herbicidal composition and weed control. 2,600,045, June 10.

Bobb, Lloyd J., Glenside, assignor to The International Electronics Company, Philadelphia, Pa. Device utilizing erase head impedance to vary amplifier gain. 2,600,046, June 10.

Bolick, Charles L., Hickory, N. C. Refectory table slide. 2,599,808, June 10.

Bolton, John W., Hamilton, and S. A. Weigand, assignors to The Lunkenheimer Company, Cincinnati, Ohio. Surfacing metal objects. 2,600,358, June 10.

Bolton, John W., & Sons, Inc., assignee: *See*—
Prevost, Bruno E.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Sealing crevices in oil wells. 2,600,195, June 10.

Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of pyrroles. 2,600,289, June 10.

Borg-Warner Corporation, assignee: *See*—
Kelbel, Donald W.
Warner, Archibald A.
Youngren, Harold T., and Hettinger.

Bostick, Winston H., West Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. High-voltage choked filament feed. 2,599,890, June 10.

Boston Herald-Traveler Corporation, assignee: *See*—
Tranter, Reginald F. W.

Boucher, Percival L., Kilmarnock, Scotland, and N. A. F. Rowntree, Hartford, near Northwich, England, assignors to Glenfield & Kennedy Limited, Kilmarnock, Ayrshire, Scotland. Filtrability recorder. 2,599,742, June 10.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Pottery fabricating machine. 2,599,605, June 10.

Bowles, Vernon O.: *See*—
Schutte, August H., and Bowles.

Bowman, Wade W., Dallas, Tex. Lotion dispenser. 2,599,686, June 10.

Boyd, Joseph J., Washington, D. C., and F. E. Reed, Middlesex County, Mass. Vibration measuring device. 2,599,539, June 10.

Boyer, John L., and J. Slepian, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gaseous-discharge make-alive device. 2,600,196, June 10.

Branch, William F., Buffalo, N. Y. Sun visor for motor vehicles. 2,599,809, June 10.

Brant, Arthur A., Toronto, Ontario, Canada, assignor to Geophysical Exploration Company, New York, N. Y. Drill hole magnetometer apparatus. 2,599,687, June 10.

Brant, Arthur A., Clarkdale, Ariz., assignor to Newmont Mining Corporation, New York, N. Y. Resistivity method for determining ore continuity. 2,599,688, June 10.

Braun, Elmer S., St. Louis, Mo. Paint container and applicator. 2,600,197, June 10.

Breitenstein, Charles T., assignor of one-half to R. T. Moloney, Chicago, Ill. Movable sheet production-control device with sheet guiding means. 2,600,153, June 10.

Brelsford, Harry W., Santa Barbara, Calif. Sight and action cover for guns. 2,599,689, June 10.

Brewer, Stuart D., Burnt Hills, N. Y., assignor to General Electric Company. Preparing organohalogenosilanes. 2,600,198, June 10.

Brewster, William H., Spokane, Wash. Extensible scaffold. 2,600,199, June 10.

Brinen, Paul F., assignor to Young Radiator, Racine, Wis. Convector core hanger. 2,599,891, June 10.

Brink, Herbert S., Olean, assignor to Underwood Corporation, New York, N. Y. Repeat type action for typewriters and like machines. 2,600,200, June 10.

British Cotton & Wool Dyers' Association Limited, The, assignee: *See*—
Cunliffe, Percy W., Sharp, and Ashworth.

British Resin Products Limited, assignee: *See*—
Evans, Edward M., and Wicking.

Brooke, Lloyd F., Berkeley Highland Terrace, assignor to California Research Corporation, San Francisco, Calif. Conversion of propylene polymers. 2,599,743, June 10.

Broughton, Messrs., Joseph, and Son (Engineers) Limited, assignee: *See*—
Webster, Charles J., and Anson.

Brown, Albert C., Seattle, Wash. Indicator for micrometer calipers. 2,599,971, June 10.

Brown, Alfred E.: *See*—
Sookne, Arnold M., and Brown.

Brown, Herbert C.: *See*—
Schlesinger, Hermann I., and Brown.

Brown, Robert H., Beckenham, assignor to W. E. Moulsdale and Company Limited, London, England. Apparatus for removing the outer layers from hard kerneled grains. 2,599,892, June 10.

Brown, Victor J., Newark, N. J., and H. C. Costello, Massapequa, N. Y. Skate wheel. 2,599,540, June 10.

Bruce, E. L., Company, assignee: *See*—
Jones, Leslie H.

Brugmann, William H., Jr., Elizabeth, N. J., assignor to Standard Oil Development Company. Antioxidant. 2,600,154, June 10.

Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Window operator. 2,599,744, June 10.

Brundage, William F., and G. O. Huntzinger, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Graph duplication. 2,600,201, June 10.

Buchanan, Michael K., Norfolk, Va. Ice tray. 2,599,972, June 10.

Buelow, William A., Long Beach, Calif. Wrist-type bobby pin holder and spreader. 2,600,092, June 10.

Bugbee and Niles Company, assignee: *See*—
Feid, Charles.

Buivid, Michel D., Milford, and R. P. Alex, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Helicopter control. 2,599,690, June 10.

Bujaky, Frank, Miami Beach, Fla. Slip-on fishline sinker. 2,599,973, June 10.

Burch, Alvan V.: *See*—
Rude, John F.
Rude, John F., and Burch.

Burch Plow Works, Inc., assignee: *See*—
Rude, John F., and Burch.

Burgess, Francis T., Maplewood, Mo., assignor to American Car and Foundry Company, New York, N. Y. Railway car. 2,599,606, June 10.

Burnett, Elton L., assignor to The Flexible Company, Loudonville, Ohio. Bed leveler for funeral cars and the like. 2,600,047, June 10.

Burns, Alfred G., Farmland, Ind. Electric animal trap and reactivator. 2,599,541, June 10.

Burrise, Andrew H., assignor to Admiral Corporation, Chicago, Ill. Refrigerator shelf trim strip. 2,599,607, June 10.

Butler, Frank D., Venice, Calif. Portable power saw mitering machine. 2,599,893, June 10.

Bye, Norman C., Wyndmoor, assignor to Henry Disston and Sons, Inc., Philadelphia, Pa. Guide bar for chain saws. 2,599,608, June 10.

C-O-Two Fire Equipment Company, assignee: *See*—
Allen, Frank B.

Caird, David W., Pittsfield, Mass., assignor to General Electric Company. Polymerizing chlorotrifluoroethylene. 2,600,202, June 10.

California Research Corporation, assignee: *See*—
Brooke, Lloyd F.
Egan, Clark J., and Scott.
Hotten, Bruce W.

Camnasio, Carlo, G. A. Venturelli, and G. Colaiupo, Milan, assignors to Officine Moncenisio, gia An. Bauchiero, Turin, Italy. Double cylinder circular knitting machine. 2,600,203, June 10.

Campbell, Gerald J., Miami, Fla. Forming apparatus for edible food products. 2,599,894, June 10.

Campbell, John G., Corpus Christi, and H. L. Twining, San Antonio, Tex.; said Campbell assignor to said Twining. Composition for sealing porous formations in oil and gas well. 2,599,745, June 10.

Campbell Soup Company, assignee: *See*—
Johannes, Erich H. L.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Randall, Walter H.

Carey, Frederick H., assignor to Dowty Equipment Limited, Cheltenham, England. High-pressure pump. 2,599,609, June 10.

Carleton, James T., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compensated potential device circuits. 2,600,204, June 10.

Carlisle, Luther O: *See*—
Sherman, Robert A., and Carlisle.

Carlson, Chester F., Woodside, N. Y. Electrophotographic plate. 2,599,542, June 10.

Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Bolt lock. 2,599,691, June 10.

Carlson, Orville E., St. Paul, Minn. Adjustable ladder step. 2,599,976, June 10.

Carnoy Products Corporation, assignee: *See*—
Seaberg, Ernest E.

Carpenter, Albert S., S. Coldfield, Birmingham, and E. R. Wallsgrove, Coventry, assignors to Courtaulds Limited, London, England. Polymeric compounds condensed from epichlorhydrin and a bifunctional amino compound, and production. 2,599,974, June 10.

Carpenter, Paul G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus and method for measuring the velocity of fluids. 2,599,975, June 10.

Carron, Morris: *See*—
Juda, Walter, and Carron.

Carter Carburetor Corporation, assignee: *See*—
Carlson, Harold A.

Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to G. J. Meyer Manufacturing Co., Cudahy, Wis. Semiautomatic label-applying machine. 2,600,205, June 10.

Cascade Pump Company, assignee: *See*—
Arnold, Albert W.

Castellan, Carl A., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread-advancing reel. 2,599,692, June 10.

Cataldo, John B., Bernardsville, and E. D. F. Tidd, Clinton, N. J., assignors to J. B. Pierce Foundation, New York, N. Y. Sequence relay. 2,600,155, June 10.

Celanese Corporation of America, assignee: *See*—
Cope, Rex L.
Davies, Richard E.

Čepelák, Karel: *See*—
Šlampa, Vavřín, Čepelák, and Vrága.

Cerceau, Enrique, Cordoba, Argentina. Inking device for typewriters. 2,600,156, June 10.

Chapman, Clarence E.: *See*—
Wixon, Paul E., and Chapman.

Chapman Forest Utilization, Inc., assignee: *See*—
Chapman, Ralph.

Chapman, Ralph, assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg. Press loader and shutter. 2,599,693, June 10.

Chase-Shawmut Company, The, assignee: *See*—
Kozacka, Frederick J.

Chenicek, Joseph A., Bensenville, and W. K. T. Gleim, Orland Park, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of crops. 2,599,810, June 10.

Children's Hospital of Philadelphia, assignee: *See*—
Grieb, Benjamin C.

Chin, Pao H.: *See*—
Knauth, Berthold A., and Chin.

Chrastina, John, Decatur, Ill. Illuminated cabinet with rotatable means for advertising display. 2,600,157, June 10.

Christensen, Alfred C., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill. Automatic shakeout device for tight flask molds. 2,600,206, June 10.

Christensen, Paul M., West Orange, assignor to Federal Electric Products Company, Newark, N. J. Mechanism for adjusting electric devices in enclosures therefor. 2,599,695, June 10.

Christiansen, Andrew L., Compton, Calif. Fish cutting and cleaning machine. 2,599,694, June 10.

Christman, John M.: *See*—
Reaser, William A., Ziems, and Christman.

Chrysler Corporation, assignee: *See*—
Neracher, Carl A., and Dunn.

Chu, Lan J., Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. H-plane horn. 2,599,895, June 10.

Church, James M.: *See*—
Johnson, Ernest W., and Church.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Hoffman, Karl, and Spillman.

Cincinnati Milling Machine Co., The, assignee: *See*—
Dall, Albert H.

Cinema-Television Limited, assignee: *See*—
Freman, George S. P.

Cities Service Oil Company, assignee: *See*—
Hughes, William B.

Clairmonte, Clive M.: *See*—
Clairmonte, Edward H. and C. M.

Clairmonte, Edward H. and C. M., London, England. Baby chair. 2,599,610, June 10.

Clanton, George V.: *See*—
Consolo, Michael D., and Clanton.

Clark, Frederick G.: *See*—
Rourke, Daniel J., Jr., and Clark.

Clark, John W., Cedar Rapids, Iowa, and N. J. Gamara, Minneapolis, Minn., assignors to Collins Radio Company, Cedar Rapids, Iowa. Dielectrically wedged biconical antenna. 2,599,896, June 10.

Clark, William F., assignor to The Ohio Brass Company, Mansfield, Ohio. Drilling mechanism. 2,599,696, June 10.

Clay, Pieter H., deceased, late of Eindhoven, Netherlands by J. D. Heijligers, administrator, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Heat exchanger for hot gas piston engines. 2,599,611, June 10.

Clerk, Edouard, Saint Hilaire, Quebec, Canada. Window sash. 2,599,811, June 10.

Cleveland Frog & Crossing Co., assignee: *See*—
Arnold, George, Schultz, and Rhoads.

Clothier, Archie T., Tulsa, Okla., assignor to Standard Oil Development Company. Hydrocarbon gas mixture analysis. 2,600,158, June 10.

Coccomo, Thomas A., New Britain, Conn. Child's crib. 2,599,897, June 10.

Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Packaged bakery products and process thereof. 2,600,093, June 10.

Coghill, James T., Rochester, N. Y., and H. S. Hill, Kenogami, Quebec, Canada, assignors, by mesne assignments, to Curlator Corporation, Rochester, N. Y. Gyratory processing apparatus. 2,599,543, June 10.

Colalupo, Giuseppe: *See*—
Camnasio, Carlo, Venturelli, and Colalupo.

Cole, Addison D., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical navigation apparatus. 2,600,209, June 10.

Cole, James O.: *See*—
Barber, William E., and Cole.

Collins Radio Company, assignee: *See*—
Biggs, John A., Heald, and Moseley.
Clark, John W., and Gamara.

Columbian Carbon Company, assignee: *See*—
Ekholm, Wesley C.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Woynar, Basil.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Davis, Oliver F., and Nack.

Cone, Carroll, near Toledo, assignor to Surface Combustion Corporation, Toledo, Ohio. Apparatus for annealing annular coils of sheet metal. 2,600,094, June 10.

Conklin, Dwight B., Gibraltar, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Tesing for quaternary ammonium compounds. 2,599,697, June 10.

Consolidated Engineering Corporation, assignee: *See*—
Richardson, Arthur D.

Consolo, Michael D., Wilkinsburg, and G. V. Clanton, Jamestown, Pa.; said Consolo assignor to said Clanton. Securing means for outboard motors. 2,600,095, June 10.

Constantine, Arthur R., South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y. Clothes drier. 2,600,210, June 10.

Continental Supply Company, The, assignee: *See*—
Slonneger, John C.

Conwell, Charles B., Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Ribbed core for steel blades. 2,600,048, June 10.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component optical objectives having four internal contact surfaces. 2,600,207, June 10.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component objectives with second component a convergent cemented doublet having a dispersive internal contact surface. 2,600,208, June 10.

Cooper, Miles S., St. Paul, and E. L. Berg, Minneapolis, Minn. Cup rack. 2,600,096, June 10.

Co-Operative Industries, Inc., assignee: *See*—
Lamb, John M.

Cooper's Incorporated, assignee: *See*—
MacRae, William R. S., and Kneibler.

Cope, Rex L., Cumberland, Md., assignor to Celanese Corporation of America. Transport. 2,599,612, June 10.

Corbett, George B.: *See*—
Hobson, Alfred M., and Corbett.

Corhart Refractories Company, assignee: *See*—
Magri, Ralph J., Jr.

Corn Products Refining Company, assignee: *See*—
Gottfried, Jacob B.

Cornell, Ernest R., Stamford Centre, Ontario, Canada, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Quench-hardening steel. 2,600,290, June 10.

Cornillon, André, Lyon, France. Adjustable bladed impeller. 2,600,097, June 10.

Costello, Harry C.: *See*—
Brown, Victor J., and Costello.

Cosulich, Donna B., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of substituted pteridines. 2,599,526, June 10.

Cottingham, Robert J., assignor to C. Orner, Huntington, W. Va. Welding resistance. 2,599,613, June 10.

Courtaulds Limited, assignee: *See*—
Carpenter, Albert S., and Wallsgrove.

Coviello, Anthony R., Tulare, Calif. Reversible plow. 2,600,359, June 10.

Cox, Thomas K., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Endless conveyer for supporting conductors or cables in vulcanizing tubes. 2,599,746, June 10.

Craigon, Adam, assignor to Margison and Babcock, Toronto, Ontario, Canada. Sliding door mounting device. 2,599,747, June 10.

Crawford Manufacturing Co., Inc., assignee: *See*—
Whaley, John W.

Crider, Alvin L., Hot Springs, Ark. Kite reel. 2,600,049, June 10.

Cronholm, Fredrik N., Salt Lake City, Utah. Brewing apparatus. 2,599,812, June 10.

Crookston, Robert R.: *See*—
Park, Robert H., Russell, MacDonald, and Crookston.

Crossley, Richard C., Evanston, Ill., assignor to Electro Products Laboratories, Inc. Rectifier cooling arrangement. 2,599,748, June 10.

Crouch, Willie W., and J. F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Stabilization of unsaturated organic material-sulfur dioxide resins with elemental sulfur or inorganic sulfides. 2,599,544, June 10.

Crouch, Willie W., and J. F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Stabilization of resins. 2,599,813, June 10.

Cruse, George H. I.: *See*—
Grisenthwaite, Arthur T., and Cruse.

Cull, William, Utley, Keighley, England. Hydromechanical power transmission drive. 2,599,814, June 10.

Cunliffe, Percy W., J. L. Sharp and F. Ashworth, assignors to The British Cotton & Wool Dyers' Association Limited, Manchester, England. Treatment of wool. 2,599,977, June 10.

Curlator Corporation, assignee: *See*—
Coghill, James T., and Hill

Curtis 1000, Incorporated, assignee: *See*—
Whitman, Harlan M.

Curtis, Russell H.: *See*—
Bauer, Jordan V., and Curtis.

Curtiss-Wright Corporation, assignee: *See*—
Musikant, Solomon.
Thompson, Richard A.
Weeks, Walter L.

Cushing, George B., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter having finger contacts. 2,600,211, June 10.

Cushman Chuck Company, The, assignee: *See*—
Sloan, Harry E.

Dahlberg, Carl, assignor of one-half to M. I. Friedman, Duluth, Minn. Garment hanger track offset. 2,599,614, June 10.

Dahlberg, Carl, assignor of one-half to M. I. Friedman, Duluth, Minn. Track supporting means. 2,599,615, June 10.

Dal Borgo, Antonio, Sassulo, Italy. Manufacturing lamelliform earthenware. 2,600,212, June 10.

Dall, Albert H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,599,698, June 10.

Dalrymple, William P., Rochester, assignor to American Brake Shoe Company, New York, N. Y. Valve. 2,599,898, June 10.

Damon, Michael J.: *See*—
Ruscito, John R., and Damon.

Danvers, Ellis: *See*—
Morris, Edward H., Danvers, and Godden.

Darash, Nicholas P., assignor to The Warner and Swasey Company, Cleveland, Ohio. Cross slide stop mechanism. 2,600,213, June 10.

Davies, Richard E., Ridgewood, N. J., assignor to Celanese Corporation of America. Ageing and polymerizing impure methyl vinkyl ketone. 2,599,616, June 10.

Davis, Archie, assignee: *See*—
Haston, John L.

Davis, Earl T., Cuthbert, Ga. Draw bar control. 2,599,617, June 10.

Davis, Frank G., Baltimore, Md. Adjustable bolt-holding wrench. 2,600,214, June 10.

Davis, Oliver F., and H. Nack, Troy, assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Plating carrier particles with a catalytic metal. 2,599,978, June 10.

Dearborn Chemical Company, assignee: *See*—
Gunderson, Lewis O.

De Florez Company, Inc., The, assignee: *See*—
de Florez, Luis.

De Florez, Luis, New York, N. Y., assignor, by mesne assignments, to The de Florez Company, Inc. Web perfecting, folding, and cutting machine with endless band printing members. 2,600,215, June 10.

De Gaugue, Charles L. E.: *See*—
Halstead, Ralph T., de Gaugue and Lombardy.

Del Debbio, Angelo, San Francisco, Calif. Template making scriber. 2,600,098, June 10.

Dempster, George R., Knoxville, Tenn. Bottom dumping container. 2,599,618, June 10.

Denison, William E., assignor to Tammen and Denison, Inc., Chicago, Ill. Packaging oleomargarine and similar materials. 2,600,216, June 10.

Denton, John J., and H. P. Schedl, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Diaryl-hydroxyalkyl-diamino compounds and preparation thereof. 2,600,217, June 10.

Denton, Joseph A., assignor to The Filer & Stowell Co., Milwaukee, Wis. Servomotor. 2,599,899, June 10.

Derby Sealers, Incorporated, assignee: *See*—
Erhardt, Oscar P.

Detrex Corporation, assignee: *See*—
Secrist, John H.

Détrez, René, Nogent sur Marne, France. Valve device. 2,600,099, June 10.

Dew, Cyril J., London, England. Vegetable fertilizers. 2,600,218, June 10.

Diederich, Paul E., Grosse Pointe Park, Mich. Crankcase ventilator filter. 2,600,219, June 10.

Dietz, R. E., Company, assignee: *See*—
Stube, Frederick F.

Dilworth, Thomas B., Clarendon Hills, and M. M. Schalla, Oak Lawn, Ill., assignors to General Motors Corporation, Detroit, Mich. Fuel system for combustion apparatus. 2,599,699, June 10.

Di Palma, Antonio, Pueblo, Colo., assignor of one-half to Raffaele Perrotta. Shackle seal. 2,599,700, June 10.

Disston, Henry, and Sons., Inc., assignee: *See*—
Bye, Norman C.

Doelker, William J., Jr., and J. M. Hildabolt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Composite article and making same. 2,600,220, June 10.

Domingo, Emil, New York, N. Y. Cleansing method. 2,600,221, June 10.

Donehoo, Oscar N.: *See*—
McMurdy, Paul A., and Donehoo.

Donofrio, Alfonso M., Toledo, Ohio, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Method of and apparatus for encapsulating substances. 2,600,222, June 10.

Donohue, Owen, Rego Park, N. Y. Jack. 2,599,900, June 10.

Dooley, Thomas H.: *See*—
Du Boff, Philip L., and Dooley.

Dorfman, Hiller D., Forest Hills, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit Interrupter. 2,600,223, June 10.

Doric, Charles A., West Warwick, R. I. Four-in-hand necktie. 2,599,749, June 10.

Dorr Company, The, assignee: *See*—
Lutz, William A.

Dorr Company (Inc.), The, assignee: *See*—
Wells, David F., Thompson, and Roberts.

Dow Corning Corporation, assignee: *See*—
Fletcher, Herbert J., and Hunter.
Hommel, Maurice C.

Dow, Herbert W., assignor to Norberg Manufacturing Co., Milwaukee, Wis. Rotation indicator for hoist drums. 2,599,815, June 10.

Dowty Equipment Limited, assignee: *See*—
Carey, Frederick H.

Drake, Billy B.: *See*—
Smythe, Carl V., Drake, and Miller.

Drane, Phillips B., Tulsa, Okla. Pressure and vacuum relief valve. 2,599,979, June 10.

Dravo Corporation, assignee. *See*—
Pietsch, Herman A.

Dry Ice Converter Corporation, assignee: *See*—
Pritchard, Levi T.

Du Boff, Philip L., New York, N. Y., and T. H. Dooley, Bayonne, N. J., assignors, by mesne assignments, to Philip L. Du Boff, Searsdale, N. Y. Collapsible cabinet. 2,600,050, June 10.

Dumas, Henry L. E., Grenoble, France. Current meter. 2,599,901, June 10.

Dunbar, Jack W., assignor to Allegheny Steel Band Company, Pittsburgh, Pa. Tool for tensioning and cutting binding straps. 2,600,224, June 10.

Dunn, William T.: *See*—
Nernacher, Carl A., and Dunn.

Dunning, Homer K., assignor of one-half to O. T. McShane, San Francisco, Calif. Hydraulic dredging machine. 2,599,980, June 10.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bordner, Charles A.
Cornell, Ernest R.
Filbert, William F.
Harmon, Jesse.
Joyce, Robert M., Jr.
Krahler, Stanley E.
Thomas, John C.
Wernlund, Christian J.

Durant, Lyndon A., assignor to Royal Patent Corporation, Chicago, Ill. Simulated bowling game device. 2,599,902, June 10.

Durant, Lyndon A., and M. J. Binks, assignors to Republic Patent Corporation, Chicago, Ill. Movable simulated bowling pin support and latch therefor. 2,599,903, June 10.

Durouchoux, Olivier Y.: *See*—
Marchal, Raymond H., and Durouchoux.

Duvall, Wilbur I.: *See*—
Obert, Leonard, and Duvall.

Eames, Walter R., Warren Township, Macomb County, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Pumping system. 2,599,701, June 10.

Eaton Manufacturing Company, assignee: *See*—
Eames, Walter R.
Russell, Robert C.

Eberz, William F.: *See*—
Robinson, Robert A., and Eberz.

Eckers, Carl G., assignor to Aktiebolaget Separator, Stockholm, Sweden. Method, and apparatus for centrifugal separation. 2,599,619, June 10.

Eckert, George W.: *See*—
Knowles, Edwin C., Puryear, and Eckert.

Ednie, James F.: *See*—
Graves, Ritson H., and Ednie.

Egan, Clark J., Piedmont, and J. W. Scott, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Cyclic adsorption process. 2,599,545, June 10.

Eger, Laszlo W.: *See*—
Morris, Vlon N., Weidner, and Eger.

Ehrenfried, Albert D., Boston, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Temperature compensated resonant cavity. 2,600,225, June 10.

Ekholm, Wesley C., Monroe, La., assignor to Columbian Carbon Company, New York, N. Y. Carbon black. 2,599,981, June 10.

Electric & Musical Industries Limited, assignee: *See*—
McGee, James D., and Turk.

Electro-Hydraulics Limited, assignee: *See*—
Hoare, Robert G.

Electro Products Laboratories, Inc., assignee: *See*—
Crossley, Richard C.

Elliott, Henry J., Fontana, N. C. Recording annunciator. 2,599,702, June 10.

Ellsworth, John T., deceased, Collinsville, Ill.; M. Ellsworth, administratrix. Purification of zinc electrolytes. 2,599,816, June 10.

Ellsworth, Mildred, administratrix: *See*—
Ellsworth, John T.

Elms, James C., Altadena, Calif. Cartridge positioner. 2,599,546, June 10.

Eltgroth, George V., Philadelphia, Pa., assignor to Bendix Aviation Corporation, Baltimore, Md. Lockout warning system for home heating apparatus. 2,599,703, June 10.

Engler, Max, assignor to The General Tire and Rubber Company, Akron, Ohio. Rotatable drum pressing and ply turning device. 2,600,291, June 10.

Ensink, Johannes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device to minimize interference between dial impulses in a carrier system. 2,600,226, June 10.

Ergen, William K., Oak Ridge, Tenn., assignor to Radio Corporation of America. Course interception navigational computer. 2,600,159, June 10.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby Conn. Tape-dispensing machine. 2,599,750, June 10.

Erwin, Lester L., San Diego, Calif. Clutch finger tool. 2,599,982, June 10.

Erwin, Wesley S., assignor to General Motors Corporation, Detroit, Mich. Short wave antenna. 2,599,705, June 10.

Esselman, Walter H.: *See*—
Lund, Alvin O., and Esselman.

Etnyre E. D., & Co., assignee: *See*—
Etnyre, Samuel R.

Etnyre, Samuel R., assignor to E. D. Etnyre & Co., Oregon, Ill. Distributing system for bituminous and like material. 2,599,704, June 10.

Etten, Nicholas L., Waterloo, Iowa. Folding side and top awning. 2,600,227, June 10.

Etten, Nicholas L., Cedar Falls, Iowa. Foldable metal awning. 2,600,228, June 10.

Etten, Nicholas L., Cedar Falls, Iowa. Foldable metal awning. 2,600,229, June 10.

Etten, Nicholas L., Cedar Falls, Iowa. Foldable metal awning. 2,600,230, June 10.

Evans, Earl R., Jackson Heights, assignor to Times Facsimile Corporation, New York, N. Y. Multistation selective communication system. 2,599,904, June 10.

Evans, Edward M., and R. W. H. Wicking, Tonbridge, assignors to British Resin Products Limited, London, England. Preparing urea formaldehyde lacquer compositions. 2,600,100, June 10.

Evans, Theodore W., and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Carbo-polymerization homopolymers of unsaturated alcohol ethers of glycidols and their homologs. 2,599,817, June 10.

Evans, William L., Gary, Ind. Apparatus for driving wedges in armature slots. 2,599,818, June 10.

Ewart, Elliott S., St. Clair Shores, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire casing. 2,600,231, June 10.

F. N. F. Limited, assignee: *See*—
Morrison, John L. M., Woodward, Peel, and Greaves.

Fairfield Paper and Container Company, The, assignee: *See*—
Wolfe, Raymond E.
Fanning, Ralph R., Celina, Ohio, assignor to Winner, Inc., Berne, Ind. Automatic adjustable waistband. 2,599,983, June 10.
Fano, Roberto M., Boston, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Modulator. 2,599,905, June 10.
Farmer, Paul M., West Orange, N. J. Article dispensing and distributing system. 2,599,906, June 10.
Farmer, Paul M., West Orange, N. J. Article dispensing and conveying system. 2,599,907, June 10.
Farval Corporation, The, assignee: *See*—
Acker, George H.
Fastener Corporation, assignee: *See*—
Imelmann, Henry L.
Faulhaber Company, The, assignee: *See*—
Faulhaber, Roland W.
Faulhaber, Roland W., assignor to The Faulhaber Company, Monroeville, Ohio. Cycle saddle support. 2,600,101, June 10.
Favre, George C.: *See*—
Gunning, William A., and Favre.
Fawick Airflex Company, Inc., The, assignee: *See*—
Fawick, Thomas L.
Fawick, Thomas L., Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc. Rotatable slide valve assembly. 2,600,102, June 10.
Fay, Charles H., and T. J. Tvedt, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Seismograph amplifier control. 2,600,051, June 10.
Featherlite Corporation, The, assignee: *See*—
Lipscomb, Patrick C.
Feck, John F., Norwood, Ohio. Absorbing ice pressure. 2,600,103, June 10.
Federal Cartridge Corporation, assignee: *See*—
Russell, Harold C., and King.
Federal Electric Products Company, assignee: *See*—
Christensen, Paul M.
Federspiel, Hermann, Terlano, Italy. Welding process for joining a metal body and a semi-conducting body composed of metallic and ceramic material. 2,599,751, June 10.
Feid, Charles, South Attleboro, assignor to Bugbee and Niles Company, North Attleboro, Mass. Bracelet. 2,600,232, June 10.
Fein, Martin L.: *See*—
Fisher, Charles H., Filachione, and Fein.
Feyrer, William F., assignor to N. L. Solomon, Englewood, N. J. Machine for packaging wire forms. 2,599,547, June 10.
Field, Walter P., Brockton, Mass. Machine for the manufacture of shoes. 2,599,548, June 10.
Filachione, Edward M.: *See*—
Fisher, Charles H., Filachione, and Fein.
Filbert, William F., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carboxymethyl ethers. 2,599,620, June 10.
Filer & Stowell Co., The, assignee: *See*—
Denton, Joseph A.
Finch, Leonard E.: *See*—
Kraemer, Elmore A., and Finch.
Finnell, Walter S., Elkhart, Ind. Floor processing apparatus. 2,600,233, June 10.
Fischer, Jacob G., assignor to Magicot Sleep Products Inc., Brooklyn, N. Y. Folding cot. 2,600,104, June 10.
Fischer, Paul W., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Drilling fluids. 2,599,752, June 10.
Fisher, Charles H., New Orleans, La., E. M. Filachione, Philadelphia, Pa., and M. L. Fein, Riverside, N. J., assignors to the United States of America as represented by the Secretary of Agriculture. Production of alpha-carbalkoxyalkyl methacrylates. 2,599,549, June 10.
Fisher, Foster, Providence, R. I., assignor of one-half to B. E. Kinne, Rehoboth, Mass. Machine for plucking feathers. 2,599,621, June 10.
Fisher, Stephen, Ecorse, Mich. Center gauge. 2,599,819, June 10.
Fletcher, Herbert J., and M. J. Hunter, assignors to Dow Corning Corporation, Midland, Mich. Lubricant consisting of copolymeric siloxanes substituted with methyl, phenyl, and halogenated-aryl radicals. 2,599,984, June 10.
Fletcher, John H.: *See*—
Nolan, Kenneth G., and Fletcher.
Flexible Company, The, assignee: *See*—
Burnett, Elton L.
Florence Stove Company, assignee: *See*—
Reeves, Herbert M.
Fluor Corporation, Ltd., The, assignee: *See*—
Riesenfeld, Fred C., and Frazier.
Flynn, John H., New Rochelle, N. Y. Ribbon-type gas burner. 2,600,160, June 10.
Foley, Herbert W., Kenilworth, Ill. Portable broiler. 2,600,234, June 10.
Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Resilient seal safety valve. 2,599,622, June 10.
Ford, Geoffrey E., Bow, London, assignor to Fords (Finsbury) Limited, London, England. Bottle capping machine. 2,599,820, June 10.
Fords (Finsbury) Limited, assignee: *See*—
Ford, Geoffrey E.
Forrester, Herman G., Chattanooga, Tenn. Closed circuit fire and burglar alarm. 2,599,623, June 10.
Fouse, Frederick Z., Lancaster, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Means for holding and masking articles during coating. 2,600,161, June 10.
Fox, Arthur G., Eatontown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide phase shifter. 2,599,753, June 10.
Fox, Samuel S., West Hartford, and R. B. Talbot, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Anti-detonant injection control apparatus for internal-combustion engines. 2,599,985, June 10.
Frantz, Virgil L., Roanoke, Va. Pipe coupling. 2,600,162, June 10.
Fraser, Robert, Great Neck, N. Y. Fluxmeter and probe therefor. 2,599,550, June 10.
Frazier, Henry D.: *See*—
Riesenfeld, Fred C., and Frazier.
Freeman, George S. P., Chiswick, assignor to Cinema-Television Limited, London, England. Variable-capacity target electrode. 2,599,754, June 10.
Freese, Gerald J.: *See*—
Dorfman, Hiller D., and Freese.
Fried, Sherman M.: *See*—
Sheft, Irving, and Fried.
Friedman, Arthur, and L. Silber, deceased, by R. Silber, administrator, assignors to Air Controls, Inc., Cleveland, Ohio. Multistep pulley. 2,599,821, June 10.
Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Forging. 2,599,706, June 10.
Friedman, Martin I., assignee: *See*—
Dahlberg, Carl.
Fuller, Frank W., St. Paul, Minn. Shaker for granular substances. 2,599,755, June 10.
Fuller, Milford E., assignor to Vickers-Armstrongs Limited, London, England. Applying lace and like ornamental edging to boxes. 2,600,105, June 10.
G. E. S. Devices Corp., assignee: *See*—
Long, Herbert J.
Gahagan, Charles L., Greensburg, Pa. Rotor head for helicopters. 2,599,822, June 10.
Gale, David: *See*—
Bell, Persa R., Jr., and Gale.
Galliot, Jules A. N., London, England. Gas turbine rotor cooling means. 2,600,235, June 10.
Gamaru, Norbert J.: *See*—
Clark, John W., and Gamaru.
Gandelot, Howard K., Grosse Pointe Woods, assignor to General Motors Corporation, Detroit, Mich. Wheel brake drum assembly. 2,599,707, June 10.
Garfitt, Richard G.: *See*—
Robertson-Shersby-Harvie, Robert B., and Garfitt.
Garner, Emmet R., Sr., assignee: *See*—
Tibbs, Oscar F.
Garrett, Bowman S., Bellerose, N. Y., assignor to Standard Oil Development Company. Removal of diolefin polymers from extractive distillation solvent. 2,600,106, June 10.
Gartner, Stanley J., and M. G. Hasselman, Emporium, Pa., assignors to Sylvania Electric Products, Inc. Pin unloader. 2,600,052, June 10.
Gehrandt, Gustav R., Evanston, Ill. Internal-combustion engine. 2,599,908, June 10.
Geiser, Carl, assignor to The Liquidometer Corporation, Long Island City, N. Y. 300° directly driven ratiometer. 2,599,756, June 10.
Gelfund, Max, Dallas, Tex., and I. M. Richman, New Orleans, La. Electrolytic bone decalcification process. 2,600,107, June 10.
General American Transportation Corporation, assignee: *See*—
Graham, Arthur H.
General Aniline & Film Corporation, assignee: *See*—
Schmidt-Nickels, Wilhelm.
Shrader, Marvin O.
General Bronze Corporation, assignee: *See*—
Peremi, Edmund.
General Candy Corporation, assignee: *See*—
Petrilli, Santy C.
General Controls Co., assignee: *See*—
Ray, William A.
General Electric Company, assignee: *See*—
Brewer, Stuart D.
Caird, David W.
Heath, Paul D.
Hull, Albert W.
Janos, Alfred G.
Krida, Hugh.
Lincks, George F.
Lucas, Glennard R., and Martin.
Meier, Donald R.
Mittag, Albert H., and Mulhern.

General Electric Company, assignee: *See*—Continued.
Prener, Jerome S.
Pyle, James J.
Raney, Edwin A.
Reisch, George J.
Ross, Herbert L.
Tucker, William H.
Walthers, Earle R.
Wightman, Lawrance W.
General Mills, Inc., assignee: *See*—
Moe, Owen A.
Moe, Owen A., and Warner.
Wittcoff, Harold.
General Motors Corporation, assignee: *See*—
Brundage, William F., and Huntzinger.
Dilworth, Thomas B., and Schalla.
Doelker, William J., Jr., and Hildabolt.
Erwin, Wesley S.
Gandelot, Howard K.
Ridge, Donald C.
Schluchter, Alfred W.
General Tire and Rubber Company, The, assignee: *See*—
Engler, Max.
Geophysical Exploration Company, assignee: *See*—
Brant, Arthur A.
George, Will L., Corporation, assignee: *See*—
George, William L.
George, William L., assignor to Will L. George Corporation, Grand Rapids, Mich. Check stand for grocery stores and the like. 2,599,909, June 10.
Gerotor May Corporation, assignee: *See*—
Stone, Albert R.
Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Power takeoff. 2,600,108, June 10.
Gibel, Stephen J., Cleveland, assignor to E. Larsen, Lakewood, Ohio. Muffler with a plurality of passages. 2,600,236, June 10.
Gilbert & Barker Manufacturing Company, assignee: *See*—
Jacobs, Irving C.
Gilbert, Levi L., Portland, Oreg. Pneumatic insole. 2,600,239, June 10.
Gilbert, Stanley A., Red Bank, N. J., assignor to American Briquet Company, Philadelphia, Pa. Making steel. 2,600,238, June 10.
Gillen, Eugene O., Milwaukee, Wis. Window ventilator. 2,599,823, June 10.
Gillette, Edwin, Los Angeles, Calif. Producing animated pictures. 2,599,824, June 10.
Gilman, Lawrence M., Gilman, Conn. Apparatus for forming enclosed blanket insulation strips. 2,599,625, June 10.
Gleason Works, The, assignee: *See*—
Johnson, Olaf A.
Gleim, William K. T.: *See*—
Chenicek, Joseph A., and Gleim.
Glenfield & Kennedy Limited, assignee: *See*—
Boucher, Percival L., and Rowntree.
Godden, Thomas E.: *See*—
Morris, Edward H., Danvers, and Godden.
Goebel, Johannes, and P. Bakker, Amsterdam, and J. G. Hoogland, Hengelo, Netherlands, assignors to Shell Development Company, Emeryville, Calif. Preparation of homogeneous mixture of asphalt and polystyrene. 2,599,986, June 10.
Goodrich, B. F., Company, The, assignee: *See*—
Ardis, Alan E.
Hopperstead, Sever L.
Seifried, Anton G.
Strong, Walter J.
Gorton, Harold O., Glenwood, Minn. Dump rake. 2,600,109, June 10.
Gottesman, Herman, assignor to The Permaline Company, Clifton, N. J. Inner lined folding carton. 2,599,708, June 10.
Gottfried, Jacob B., Chicago, Ill., assignor to Corn Products Refining Company, New York, N. Y. Ion exchange system. 2,599,757, June 10.
Gottschalk, Roland A., and R. W. Warner, Gresham, Oreg. Fishing arrowhead. 2,599,626, June 10.
Graham, Arthur H., Sharon, Pa., assignor to General American Transportation Corporation, Chicago, Ill. Centering and sealing device for floating tank roofs. 2,600,237, June 10.
Grams, Emil G., Willmar, Minn. Train message delivery fork. 2,599,627, June 10.
Graves, Ritson H., Plainfield, N. J., and J. F. Ednie, McKeesport, Pa., assignors to The American Metal Company, Limited, New York, N. Y. Lead base alloy. 2,599,628, June 10.
Gray, G. A., Company, The, assignee: *See*—
Walter, John M.
Great Western Bag Company, assignee: *See*—
Katz, Harry B.
Greaves, Edwin: *See*—
Morrison, John L. M., Woodward, Peel, and Greaves.
Green, Clarence J., assignor to Norton Company, Worcester, Mass. Piston grinding machine. 2,599,987, June 10.
Greenfield Tap and Die Corporation, assignee: *See*—
Watson, John.
Greenwaldt, Herbert W., assignee: *See*—
Kounkel, Lloyd M.
Grieb, Benjamin C., Chestnut Hill, assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa. Construction of incubators for infants. 2,600,240, June 10.
Griesinger, John, Los Angeles, Calif., assignor to The National Marking Machine Company, Cincinnati, Ohio. Typesetting means in laundry listing machine. 2,599,709, June 10.
Griffin, Charles S., Memphis, Tenn. Adjustable carrier device. 2,599,824, June 10.
Grimes, Clarence W.: *See*—
Lake, Harry F., and Grimes.
Grimm, Albert C., and A. P. Sweet, Jr., Lancaster, Pa., assignors to Radio Corporation of America. Electron discharge device and associated circuit. 2,599,629, June 10.
Grisenthwaite, Arthur T., and G. H. I. Cruse, assignors to The Power-Gas Corporation Limited, Stockton-on-Tees, England. Charging device for kilns. 2,600,053, June 10.
Grossarth, Albert A., La Grange, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Control mechanism for roll curve gear-cutting machines. 2,599,758, June 10.
Grosse, Aristid V., Haverford, Pa. Suppressing the oxidation of CO to CO_2 in a fixed bed regenerator. 2,600,360, June 10.
Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. 2,600,361, June 10.
Gunning, William A., and G. C. Favre, assignors to American Optical Company, Southbridge, Mass. Lap truing machine. 2,599,759, June 10.
Gustafson, August W., Corpus Christi, Tex. Mixing apparatus for insecticides. 2,599,825, June 10.
Guthrie, George B., East Palestine, assignor to The Hall China Co., East Liverpool, Ohio. Tool for forming dinnerware. 2,599,910, June 10.
Hachmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fractional distillation method. 2,600,110, June 10.
Hackmann, Johannes T., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Preparing esters. 2,600,054, June 10.
Haco-Gesellschaft A. G., assignee: *See*—
Matter, Max, and von Sprecher.
Haddon Products, Inc., assignee: *See*—
Smyth, Gordon R.
Hagen, Roger, Plymouth, Wis., assignor to Western Newell Mfg. Co., Freeport, Ill. Can opener. 2,599,551, June 10.
Haines, Edward, Philadelphia, Pa. Portable water operated rotary cleaning brush. 2,599,911, June 10.
Hair, Emma, Savannah, Ga. Disposable feeding bottle for babies. 2,599,630, June 10.
Hale, Gerald A., assignor to Magee-Hale Park-O-Meter Company Oklahoma City, Okla. Coin tube and opener therefor. 2,599,912, June 10.
Hall China Co., The, assignee: *See*—
Guthrie, George B.
Halstead, Ralph T., C. L. E. de Gaugue and F. Lombardy, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Reinforced friction facing. 2,599,826, June 10.
Halvorsen, Ralph H., assignor to Teletype Corporation, Chicago, Ill. Automatic telegraph switching. 2,599,988, June 10.
Hamilton, Kenneth, Jr., Harrowers, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Method and apparatus for making pile fabrics. 2,600,241, June 10.
Hamlin Metal Products Company, The, assignee: *See*—
Walklet, Mercer D.
Hancock, David, Jr., Elmhurst, assignor, by mesne assignments, to Vendall Company, Chicago, Ill. Vending apparatus. 2,599,913, June 10.
Hansberry, Theodore R., Modesto, assignor to Shell Development Company, San Francisco, Calif. Defoliation of growing plants. 2,599,827, June 10.
Hansen, Kenneth T., Lake Stevens, Wash. Picket header. 2,600,055, June 10.
Hanson, Frank D., Independence; H. R. Parker, Holden, and L. L. Wagener, Independence, Mo., assignors to Palace Corporation, Flint, Mich. Flexible spring transmitter. 2,599,760, June 10.
Harder, Arthur J., Chicago, Ill. Concrete form panel and clamp therefor. 2,600,362, June 10.
Herman, Denham, Berkeley, and R. E. Thorpe, Castro Valley, assignors to Shell Development Company, San Francisco, Calif. Extreme pressure lubricant. 2,599,761, June 10.
Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of vinyl fluoride. 2,599,631, June 10.
Harman, Ralph N., Baltimore, and R. Lee, Linthicum Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Modulator system. 2,600,243, June 10.
Harney, Elbert L., Chicago, Ill. Bricklaying machine. 2,599,552, June 10.
Harper, Ray J., Menlo Park, Calif. Blade coupling attachment for tractors. 2,600,244, June 10.

Harris Research Laboratories, assignee: *See*—
Sookne, Arnold M., and Brown.

Harris-Seybold Company, assignee: *See*—
Wood, James R.

Harris-Seybold-Potter Company, assignee: *See*—
Spiller, William R., and Varwig.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Clay, Pieter H.
Ensink, Johannes.
Keukens, Hubertus P., and Verbeek.
Klinkhamer, Hendrik A. W.
van Overbeek, Adrianus J. W. M.
Zylstra, Paul.

Hartauch, Paul J., La Grange, and C. Wachtl, Evanston, assignors to Lithographic Technical Foundation, Chicago, Ill. Etching process. 2,599,914, June 10.

Harvey, Norman J., Bellevue, Nebr. Retractable step. 2,599,529, June 10.

Hasselman, Martin G.: *See*—
Gartner, Stanley J., and Hasselman.

Haston, John L., Jacksonville Beach, Fla., assignor to J. H. MacKinnon, New York, N. Y., and A. Davis, Jacksonville, Fla. Pipe driver. 2,599,989, June 10.

Hatebur, Fritz B., Basel, Switzerland. Mechanism for grinding machines. 2,599,990, June 10.

Hathaway, Albert M., Minneapolis, Minn. Making electrical wiring. 2,599,710, June 10.

Hay, Paul R., Pittsburgh, Pa. Valve. 2,599,828, June 10.

Heald, Earl A.: *See*—
Biggs, John A., Heald, and Moseley.

Heath, Paul D., Syracuse, N. Y., assignor to General Electric Company. Frequency discriminator circuit. 2,600,292, June 10.

Heberlein Patent Corporation, assignee: *See*—
Klopfer, Karl.

Hees, George: *See*—
Jacobs, Harold, and Hees.

Hegre, Ole L., Rapid City, S. Dak. Hydraulic hoist. 2,599,991, June 10.

Heijligers, Joris D., administratrix: *See*—
Clay, Pieter H.

Heidal, Halvor, Neattun near Bergun, Norway. Tap or cock. 2,600,293, June 10.

Henry, Earle G., Wilmette, Ill. Finger ring stretcher. 2,600,163, June 10.

Hembree, William T., Kingston, Tenn. Rodent trap. 2,599,711, June 10.

Henry, Jack, Atlanta, Ga., assignor to North American Electric Lamp Co., St. Louis, Mo. Baking chamber. 2,600,294, June 10.

Hermonat, William A.: *See*—
Meyer, Albert W., and Hermonat.

Hernblad, Nils G., Long Island City, N. Y., assignor to American Type Founders, Inc. Collator. 2,599,829, June 10.

Hersch, Herman, Cleveland Heights, Ohio, assignor of one-half to S. Hersch. Fuel distribution system. 2,599,915, June 10.

Hersch, Selma, assignee: *See*—
Hersch, Herman.

Herschede Hall Clock Company, assignee: *See*—
Woodruff, William N.

Hettinger, Sidney V., Jr.: *See*—
Youngren, Harold T., and Hettinger.

Hexter, Paul L., assignor to The Arco Company, Cleveland, Ohio. Paint dispensing tray. 2,599,830, June 10.

Heywood, Harold L.: *See*—
Armitage, Joseph B., and Heywood.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Vacuum gravity press. 2,600,164, June 10.

Hildabolt, John M.: *See*—
Doelker, William J., Jr., and Hildabolt.

Hill, Harold S.: *See*—
Coghill, James T., and Hill.

Hill, Olva E., West Boylston, assignor to Norton Company, Worcester, Mass. Grinding machine. 2,599,992, June 10.

Hill, Stanley E., Kankakee, and W. L. Zink, Plano, assignors to Sears, Roebuck and Co., Chicago, Ill. Hydraulic lift for vehicles. 2,599,993, June 10.

Hindmarch, Thomas, London, England. Power transmission mechanism. 2,599,632, June 10.

Hirsch, David, New York, N. Y. Paneling. 2,599,994, June 10.

Hoare, Robert G., assignor to Electro-Hydraulics Limited, Warrington, England. Shock absorber. 2,599,831, June 10.

Hobson, Alfred M., and G. B. Corbett, Carlotta, assignors to E. C. Matthews, Eureka, Calif. Post driving machine. 2,599,995, June 10.

Hodge, Abram L., Buffalo, N. Y., assignor to United States Steel Company. Stopper head for ladles. 2,599,832, June 10.

Hodges, William A., Plant City, Fla., assignor to Swift & Company, Chicago, Ill. Flotation of siliceous impurities from mineral-bearing material. 2,599,530, June 10.

Hoffman, Karl, Binningen, and M. Spillmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Diphenyl acetic acid-β-(N-cycloheptylmethylamino)-ethyl ester and salts thereof. 2,599,996, June 10.

Hoffmann-La Roche Inc., assignee: *See*—
Lee, John, and Berger.

Hoffmeister, Hubert G., and A. H. Soane, assignors to Usher-Walker Limited, London, England. Method and apparatus for making printer's inks. 2,599,633, June 10.

Holden, Crofton C., assignor to Tilton & Cook Co., Leominster, Mass. Barrette. 2,599,916, June 10.

Holmes, John H., Bridgeport, Conn. Traction assist appliance. 2,599,634, June 10.

Holmlund, Evar A., Jamestown, N. Y. Safety lock for the clamps of mixing machines. 2,599,833, June 10.

Hommel, Maurice C., Bay City, assignor to Dow Corning Corporation, Midland, Mich. Siloxane lubricants. 2,599,917, June 10.

Hommel, Theodore, Webster Groves, assignor to Universal Match Corporation, St. Louis, Mo. Photoengraving equipment. 2,600,295, June 10.

Honorary Advisory Council for Scientific and Industrial Research, assignee: *See*—
Beveridge, Harold N.

Hoogland, Jelle G.: *See*—
Goebel, Johannes, Bakker, and Hoogland.

Hopperstead, Sever L., Brighton, Mich., assignor to The B. F. Goodrich Company, New York, N. Y. Horticultural compositions. 2,600,245, June 10.

Horgan, Edward J., Chicago, Ill. Platen for use with perforating and cutting machines. 2,600,165, June 10.

Hotten, Bruce W., Richmond, assignor to California Research Corporation, San Francisco, Calif. Complex aluminum soap. 2,599,553, June 10.

Hotze, Albert, St. Louis, Mo., assignor to Henry Hotze & Sons Company. Golf bag construction. 2,599,635, June 10.

Hotze, Henry, & Sons Company, assignee: *See*—
Hotze, Albert.

Houdry Process Corporation, assignee: *See*—
McKinney, Dwight D.

Hoven, Alfred C., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Supporting means for sheet material. 2,599,918, June 10.

Howard, Robert C.: *See*—
Trumbull, Fred W., and Howard.

Howe, John F.: *See*—
Crouch, Willie W., and Howe.

Howenstine, James A., assignor to Neon Products, Inc., Lima, Ohio. Device for forming bowed face plastic panels. 2,599,554, June 10.

Hucknall, Richard H., Bayside, assignor to Morrison-Bergmann Corporation, New York, N. Y. Beverage appliance. 2,599,919, June 10.

Hudson, H. D., Manufacturing Company, assignee: *See*—
Landgraf, Jacob T.

Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator with keyhole contour reed arm. 2,600,247, June 10.

Hughes, William B., Barnsdall, assignor to Cities Service Oil Company, Bartlesville, Okla. Purification of organic acids. 2,600,166, June 10.

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Caesium electric discharge device. 2,600,246, June 10.

Hull, Allan H., Lakewood, Ohio. Shirt collar attachment. 2,599,636, June 10.

Hunter, Melvin J.: *See*—
Fletcher, Herbert J., and Hunter.

Huntzinger, Gerald O.: *See*—
Brundage, William F., and Huntzinger.

Hurt, Percy F., U. S. Navy, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Aircraft rocket launcher. 2,599,555, June 10.

Hutton, Robert D., Garvey, Calif. Automobile battery circuit breaker. 2,599,637, June 10.

Huxford, George T., Southington, Conn. Trailer hitch. 2,599,638, June 10.

I-T-E Circuit Breaker Company, assignee: *See*—
Lockett, Ralph G.

Iannelli, Frank M., Newark, N. J. Mixing faucet. 2,599,997, June 10.

Illinois Railway Equipment Company, assignee: *See*—
Smith, Edward P.
Sweger, Theodore J., and Johnson.

Imelmann, Henry L., assignor to Fastener Corporation, Chicago, Ill. Stapler. 2,599,998, June 10.

Industrial Tape Corporation, assignee: *See*—
Morris, Vlon N., Weidner, and Eger.

Inspiration Consolidated Copper Company, assignee: *See*—
Zimmerman, Charles E.

International Electronics Company, The, assignee: *See*—
Bobb, Lloyd J.

International Ytong-Stabalite Company Ltd., assignee: *See*—
Jakobsson, Per, and Sebardt.

Ionics, Incorporated, assignee: *See*—
Juda, Walter, and Carron.

Isenberg, Hans D., Wilmette, Ill. Coaxial cable with spiral spacer. 2,600,111, June 10.

Izen, Manuel, Los Angeles, Calif. Table-top processing machine. 2,599,712, June 10.

Jackson, John W., executor, trustee: *See*—
Jewett, Nelson J.

Jacobs, F. L., Co., assignee: *See*—
Brundage, Alan D.

Jacobs, Harold, St. Albans, and G. Hees, Woodside, N. Y., assignors to Sylvania Electric Products Inc. Electron emitter. 2,600,112, June 10.

Jacobs, Howard A., Dayton, Ohio. Molding protector. 2,600,296, June 10.

Jacobs, Irving C., Longmeadow, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Control and resetting mechanism for fluid dispensing apparatus. 2,599,556, June 10.

Jakobsson, Per, Hallabrottet, and W. Sebardt, Nockeby, Sweden, assignor to International Ytong-Stabalite Company, Ltd., London, England. Apparatus for severing plastic bodies. 2,599,920, June 10.

Janos, Alfred G., Erie, Pa., assignor to General Electric Company. Air circulation control. 2,600,297, June 10.

Jarrett, Leon R., assignor of one-half to F. H. Alley, Nashville, Tenn. Rack. 2,600,298, June 10.

Jenkins, Meri C., assignor to Lodwick Aircraft Industries, Inc., Lakeland, Fla. Hinge mechanism. 2,599,534, June 10.

Jensen, Jack H.: *See*—
Rust, David J., and Jensen.

Jesser, Albert E.: *See*—
McCrery, Harold E. and Jesser.

Jewett, Nelson J., deceased, Arlington County, Va.: J. W. Jackson, executor and trustee. Keyboard for musical instruments and keys therefor. 2,599,999, June 10.

Johannes, Erich H. L., Audubon, assignor to Campbell Soup Company, Camden, N. J. Trap tank. 2,600,299, June 10.

Johns-Manville Corporation, assignee: *See*—
Halstead, Ralph T., de Gaugue, and Lombardy.

Johnson, Albert A., Hoxie, R. I., assignor to Anson Incorporated. Tie holder or the like. 2,599,921, June 10.

Johnson, Ernest E., McKeesport, and H. A. Siefen, Dravosburg, Pa. Dimensional tolerance gauge. 2,599,835, June 10.

Johnson, Ernest W., Mountainside, and J. M. Church, Tenafly, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Making organotin halides. 2,599,557, June 10.

Johnson, John D. A., Dorking, assignor to Beecham Research Laboratories Limited, Betchworth, Surrey, England. Separation of solutes by continuous solvent extraction. 2,599,836, June 10.

Johnson, Malcolm S.: *See*—
Sweger, Theodore J., and Johnson.

Johnson, Olaf A., Irondequoit, assignor to The Gleason Works, Rochester, N. Y. Machine for sharpening tools. 2,599,639, June 10.

Johnson Products, Inc., assignee: *See*—
Bergmann, Paul F.

Jones, Allen R., Roselle, and J. O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company. Motor fuel. 2,600,113, June 10.

Jones, Denzil E., El Monte, Calif. Fertilizer and seed broadcasting apparatus. 2,600,167, June 10.

Jones, Leslie H., assignor to E. L. Bruce Company, Memphis, Tenn. Conveyer having means to discharge refuse carried beneath the conveyer. 2,600,056, June 10.

Joslyn Mfg. and Supply Company, assignee: *See*—
Yonkers, Edward H.

Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Reversible mining chain. 2,599,837, June 10.

Joy Manufacturing Company, assignee: *See*—
Joy, Joseph F.

Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of chlorotrifluoroethylene and olefinic hydrocarbon and a vinyl carboxylate. 2,599,640, June 10.

Juda, Walter, Cambridge, and M. Carron, Boston, assignor, by mesne assignment, to Ionics, Incorporated, Cambridge, Mass. Regenerating anion exchange materials and composition therefor. 2,599,558, June 10.

Jurkow, Julius, assignor of fifty per cent to Sheridan Flouring Mills, Inc., Sheridan, Wyo. Lid for flour sifters. 2,599,641, June 10.

Kagay, Vestal A., and J. L. Robison, assignors to Merla Tool Corporation, Dallas, Tex. Liquid level control device. 2,599,713, June 10.

Kahn, Leonard R., New York, and W. Lyons, Flushing, N. Y., assignors to Radio Corporation of America. Transmitter keyer. 2,600,248, June 10.

Kamlet, Jonas, Easton, Conn., assignor to Mathieson Chemical Corporation, Baltimore, Md. Manufacture of symmetrical diarylhydrazines. 2,600,000, June 10.

Kandoll, Gustaf H., Grays River, Wash. Auto-loading self-propelled dumping vehicle. 2,599,838, June 10.

Kanne, William R., Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission. Monitoring of gas for radioactivity. 2,599,922, June 10.

Kanter, Jack C., Norfolk, Va. Cotton roll holder. 2,600,001, June 10.

Kato, Seishichi, Honolulu, Territory of Hawaii. Extension table with leaf elevating mechanism. 2,599,642, June 10.

Katz, Harry B., assignor to Great Western Bag Company, St. Louis, Mo. Biased balling bag. 2,600,300, June 10.

Keele, Marvin E., and M. L. Noble, Bloncoe, Iowa. Stoker fuel supply signal switch. 2,599,840, June 10.

Keifer, Frederick J., Jr., Fort Benning, Ga. Rear sight adjusting device for pistols. 2,599,839, June 10.

Kelbel, Donald W., Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,599,559, June 10.

Kell, Ray D., Princeton, N. J., assignor to Radio Corporation of America. Radio transmission system. 2,599,643, June 10.

Kent, Jan H. F., assignor of one-half to Auto Tyre Services Limited, Basingstoke, England. Mold for tires. 2,599,841, June 10.

Kenyon Instrument Company, Inc., assignee: *See*—
Tuttle, Clifton M.

Kerns, Quentin A., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-voltage multiple core transformer. 2,600,057, June 10.

Kerr, James G., Washington, D. C. Dual-purpose envelope. 2,600,114, June 10.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-substituted-beta halo-ethyl amines. 2,600,301, June 10.

Ketterer, Joseph F., Trenton, N. J. Method of and apparatus for arranging the parts of a liquid dispensing system for determining the amount of liquid withdrawn therefrom. 2,599,560, June 10.

Keukens, Hurbertus P., and L. H. Verbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flash lamp. 2,599,644, June 10.

King, James F., Jr., assignor to The Bahnson Company, Winston-Salem, N. C. Apparatus for cleaning filter screens. 2,599,842, June 10.

King, William N.: *See*—
Russell, Harold C., and King.

Kinne, Benjamin E., assignee: *See*—
Fisher, Foster.

Kinsella, John, Luton, assignor to D. Napier & Son Limited, London, England. Air cleaning intake for gas turbines and other internal-combustion engines. 2,600,302, June 10.

Kirwan, John O.: *See*—
Wallace, Charles F., and Kirwan.

Kleiderer, Charles W., Hyattsville, Md., assignor to the United States of America as represented by the Secretary of the Navy. Potting composition. 2,599,762, June 10.

Klein, Arthur R., Erieside, Ohio. Fishing equipment. 2,600,002, June 10.

Kliewer, Edward A., Sr., Longview, Tex. Valve. 2,600,115, June 10.

Klinkhamer, Hendrik A. W., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rectifying installation. 2,600,249, June 10.

Klopfer, Karl, Vogelsberg, Uzwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Swinging flap for tenter-frame clips. 2,599,714, June 10.

Klyce, Battle H., Stamford, Conn., assignor to Time, Incorporated, New York, N. Y. Photoprinting device. 2,600,168, June 10.

Kneibler, Arthur R.: *See*—
MacRae, William R. S., and Kneibler.

Knauth, Berthold A., Bolton, N. Y., and P. H. Chin, Cranford, N. J., assignors to The Motorspeed Corporation, New York, N. Y. Thyratron control system for electric motors. 2,600,003, June 10.

Knight, John P., Detroit, Mich. Apparatus for inking ribbons. 2,599,561, June 10.

Knoesel, Erwin: *See*—
Wirtel, Arthur F., and Knoesel.

Knowles, Edwin C., Glenham, O. P. Puryear, Fishkill, and G. W. Eckert, Glenham, assignors to The Texas Company, New York, N. Y. Lubricant containing soap of phosphated hydroxy fatty acid or glyceride. 2,500,058, June 10.

Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,599,645, June 10.

Knutzen, Iver, Christiansfeld, Denmark. Rotary plant chopping element. 2,599,843, June 10.

Kock, Winston E., Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,599,763, June 10.

Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Absorption refrigeration apparatus. 2,599,562, June 10.

Kopf, Philip, Brooklyn, N. Y. Toy mortar. 2,600,116, June 10.

Kounkel, Lloyd M., Le Mars, assignor of twenty five per cent to L. E. Ladenthim, Kingsley, and twenty five per cent to H. W. Greenwaldt, Le Mars, Iowa. Feeding trough for hogs and the like. 2,599,844, June 10.

Kovach, Louis: *See*—
Arnold, George B., and Kovach.

Kovalsky, Joseph F., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Current-limiting speed control apparatus. 2,600,303, June 10.

Kozacka, Frederick J., Amesbury, assignor to The Chase-Shawmut Company, Newburyport, Mass. Current-limiting fuse. 2,599,646, June 10.

Kraemer, Elmore A., and L. E. Finch, assignors to West Bend Aluminum Co., West Bend, Wis. Base for portable domestic ovens. 2,599,923, June 10.

Krahler, Stanley E., Holly Oak Terrace, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Fluorescent optical bleaching agents. 2,600,004, June 10.

Kramer, George, Springfield, Oreg. Self-cleaning power-driven cylinder harrow. 2,599,845, June 10.

Kratzenberg, Edwin J., Chicago, Ill., assignor to United States Steel Company. Turning device. 2,599,846, June 10.

Krebs, John, Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine for removing threaded dies from molded parts. 2,599,764, June 10.

Krida, Hugh, Upper Darby, Pa., assignor to General Electric Company. Substitute unit for circuit testing and grounding. 2,600,304, June 10.

Krieger, Willard: *See*—
Able, Edward T., and Krieger.

Kritscher, Andrew F., Pittsburgh, Pa., assignor to National Tube Company. Entry guide for seamless tube plug rolling mills. 2,599,847, June 10.

Kronhaus, Semen and L. Zollman, Los Angeles, Calif. Adjustable vehicle seat. 2,600,005, June 10.

Kumnick, Martin J., Englewood Cliffs, N. J. Water closet. 2,599,765, June 10.

Kuzmich, John, assignee: *See*—
Kuzmich, Stephen, Jr.

Kuzmich, Stephen, Jr., assignor of thirty per cent to J. Kuzmich, Bayonne, N. J. Fire alarm. 2,600,006, June 10.

Ladenthim, Lawrence E., assignee: *See*—
Kounkel, Lloyd M.

Lafleur, Sinai, Detroit, Mich. Dual steam generating apparatus. 2,599,924, June 10.

Lake, Harry F., and C. W. Grimes, Pontiac, Mich.; said Lake assignor to said Grimes. Takedown metal bow handle. 2,600,250, June 10.

La Marque, George H., Boston, Mass. Making simulated flowers. 2,599,647, June 10.

Lamb, Edward, San Francisco, Calif. Ventilating system. 2,599,925, June 10.

Lamb, Harold T., Newcastle-on-Tyne, England. Mixing or kneading machine. 2,600,117, June 10.

Lamb, John M., Summit, assignor to Co-Operative Industries, Inc., Chester, N. J. Flexible wave guide matching section. 2,600,169, June 10.

Landers, Frary & Clark, assignee: *See*—
Badger, Harry M.

Landgraf, Jacob T., Freeport, assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Vaporizing type oil burner for brooders and the like. 2,599,563, June 10.

Lane, Guy E., assignee: *See*—
Stuart, Clifton F.

Lanegan, Frederick E., assignor to W. H. Smith & Son, Limited, London, England. Pin-wheel feeding device for stationery. 2,599,648, June 10.

Larsen, Esther, assignee: *See*—
Gibel, Stephen J.

Larsen, Robert G.: *See*—
Adelson, David E., and Larsen.

Latour, André, Grenoble, France. Spark arrester for pressure gas switches. 2,599,848, June 10.

Lavarack, Frederick C., Montclair, N. J., assignor to Railroad Accessories Corporation, New York, N. Y. Rail bond. 2,600,118, June 10.

Lazzery, Angelo G., Oaklyn, N. J., assignor to Radio Corporation of America. Variable tuning system. 2,600,119, June 10.

Le Bus, Franklin L., Longview, Tex. Drum winding apparatus. 2,599,926, June 10.

Lee, John, Essex Fells, and L. Berger, assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. Esters of polygalacturonic acid methylglycoside and salts thereof. 2,599,564, June 10.

Lee, Reuben: *See*—
Harmon, Ralph N., and Lee.

Lenz, Ernest J. Varna, Ill. Insulator supporting bracket for electric fences. 2,599,849, June 10.

Lepper, Charles E., Ventura, Calif. Nut gatherer. 2,599,715, June 10.

Lewis, Frank M., Weston, Mass., and W. A. Morain, Hamilton, Ohio, assignors, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Starter for free piston engines. 2,600,251, June 10.

Librascope, Incorporated, assignee: *See*—
Opocensky, William J.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electrical protective device. 2,600,305, June 10.

Linsley, John W., Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Device for measuring and counting time intervals. 2,599,766, June 10.

Lippert, Hanns, Zurich, assignor to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. One-piece breech block for automatic firearms with pivoted locking members. 2,600,007, June 10.

Lipscomb, Patrick C., Bellaire, Tex., assignor of one-half to The Featherlite Corporation. Kiln for heat-treating materials. 2,600,306, June 10.

Liquidometer Corporation, The, assignee: *See*—
Geiser, Carl.

Lithographic Technical Foundation, assignee: *See*—
Hartauch, Paul J., and Wachtl.

Livermore, William T., Grosse Points Farms, Mich. Slipper pump. 2,599,927, June 10.

Lockett, Ralph G., Narberth, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Two wire load measuring system. 2,600,059, June 10.

Lodwick Aircraft Industries, Inc., assignee: *See*—
Jenkins, Merl C.

Lombardy, Frank: *See*—
Halstead, Ralph T., de Gaugue, and Lombardy.

Long, Herbert J., assignor, by mesne assignments, to G. E. S. Devices Corp., New York, N. Y. Safety control apparatus for gaseous fuel burners. 2,600,252, June 10.

Long, Joe G., Houston, Tex. Rubber seal joint. 2,599,767, June 10.

Lontz, Dudley M., Cincinnati, Ohio. Traversing mechanism for mortars. 2,599,565, June 10.

Lopes, Antonio A., and A. Marmo, Sao Paulo, Brazil. Bumper for motor vehicles. 2,600,060, June 10.

Lord, Perley P., South Lancaster, Mass. Device for expanding piston packing. 2,600,061, June 10.

Lorentzen, Hans K., Florham Park, N. J., assignor to Lorentzen Hardward Mf'g. Corp., New York, N. Y. Venetian blind bottom bar organization. 2,600,062, June 10.

Lorentzen Hardward Mf'g. Corp., assignee: *See*—
Lorentzen, Hans K.

Lorenz, Lothar, Ludwigshafen-on-the-Rhein, Germany. Acetylene solution. 2,599,649, June 10.

Losch, William F., Jr., Los Angeles, Calif. Filing folder. 2,599,768, June 10.

Loudon, John A., assignee: *See*—
Ogg, Leon L.

Lowe, Joe Corporation, assignee: *See*—
Roth, Ernest J.

Lucas, Glennard R., Pittsfield, and R. W. Martin, Lenox, Mass., assignors to General Electric Company. Making methyl-substituted disiloxane diols. 2,600,307, June 10.

Luddington, Paul A., assignee: *See*—
Ogg, Leon L.

Ludeking, Clarence J., Decorah, Iowa. Forage unloader. 2,600,008, June 10.

Lummus Company, The, assignee: *See*—
Schutte, August H., and Bowles.

Lund, Alvin O., East Orange, and W. H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed-regulating control system. 2,600,308, June 10.

Lunkenheimer Company, The, assignee: *See*—
Bolton, John W., and Weigand.

Luscalzo, Benjamin, assignee: *See*—
Wertepny, Alexander W., and R. J.

Lustrafil Limited, assignee: *See*—
Barker, Sydney W.

Luterick, Marcellus C., Montrose, assignor to Arden Farms Co., Los Angeles, Calif. Ice-cream whipping machine. 2,600,009, June 10.

Luterick, Marcellus C., Montrose, assignor to Arden Farms Co., Los Angeles, Calif. Ice-cream agitator or the like. 2,600,010, June 10.

Lutz, William A., Westport, assignor to The Dorr Company, Stamford, Conn. Fertilizer manufacture. 2,600,253, June 10.

Lyons, Lloyd F., Los Angeles, Calif. Seat for golf carts. 2,599,928, June 10.

Lyons, Walter: *See*—
Kahn, Leonard R., and Lyons.

Lysobey, John, Norwalk, Conn. Wall treatment of tubing. 2,600,254, June 10.

M & J Engineering Co., assignee: *See*—
Annin, Douglas H.

MacDonald, Dennison H., East Haven, and E. A. Poe, Milford, assignors to Revere Corporation of America, Wallingford, Conn. Fluid-flow responsive electrical switch device. 2,600,011, June 10.

MacDonald, Dennison H., East Haven, and E. A. Poe, Milford, assignors to Revere Corporation of America, Wallingford, Conn. Flow-responsive electrical switch means. 2,600,309, June 10.

MacDonald, Waldron S.: *See*—
Park, Robert H., Russell, MacDonald, and Crookston.

MacKinnon, John H., assignee: *See*—
Haston, John L.

MacRae, William R. S., Sydney, New South Wales, Australia, and A. R. Knelbler, assignors to Cooper's Incorporated, Kenosha, Wis. Sport shorts. 2,599,769, June 10.

MacSorley, Olin L., Collingswood, N. J., assignor to Radio Corporation of America. Voltage selective amplifier. 2,600,120, June 10.

Macy, James C., Elizabeth, N. J., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Electrical connector. 2,600,012, June 10.

Madison, Ralph E.: *See*—
Nelson, Clare R., and Madison.

Magee-Hale Park-O-Meter Company, assignee: *See*—
Hale, Gerald A.

Magicot Sleep Products Inc., assignee: *See*—
Fischer, Jacob G.

Magri, Ralph J., Jr., Lynchburg, Va., assignor to Corhart Refractories Company, Louisville, Ky. Chrome-magnesia refractories. 2,599,566, June 10.

Mallasch, Luther F., Glendale, Calif. Wirepulling device. 2,599,929, June 10.

Mallory, P. R., & Co., Inc., assignee: *See*—
Huetten, Clarence.

Malone, Robert E., Canton, Ohio. Culinary fork and gripper. 2,600,013, June 10.

Maloof, Leon S., Watertown, Mass. Visual electron flow indicator. 2,600,063, June 10.

Mann, Julius W., and G. F. Russell, Tacoma, Wash. Controlling and placing of radio-frequency heat in a dielectric. 2,599,850, June 10.

Mann, Julius W., Stellacoom Lake, Wash. Glue-setting platen. 2,599,930, June 10.

Manzano, Gertrudis, Landisville, N. J. Fringe forming apparatus. 2,600,014, June 10.

Marcerou, Paul, Paris, France, assignor to "Sonapar," Societe de Participation, S. A., Luxembourg, Luxembourg. Tool for drilling rocks and the like and drilling device comprising such tools. 2,599,770, June 10.

Marchal, Raymond H., and O. Y. Durouchoux, assignors to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France. Moving fluid, particularly for lubrication of internal-combustion engine pistons. 2,599,851, June 10.

Margison and Babcock, assignee: *See*—
Craigon, Adam.

Marien, Melvin W., Richmond Heights, Mo., assignor to Ramsey Corporation, Cleveland, Ohio. Piston packing ring. 2,600,310, June 10.

Markem Machine Company, assignee: *See*—
Meyers, Otto B.

Marmo, Americo: *See*—
Lopes, Antonio A., and Marmo.

Martin, Robert W.: *See*—
Lucas, Glennard R., and Martin.

Mathieson Chemical Corporation, assignee: *See*—
Kamlet, Jonas.

Matter, Max, Worb near Berne, and H. von Sprecher, Gumligen near Berne, assignors to Haco-Gesellschaft A. G., Gumligen (Canton Berne), Switzerland. 6-alkoxy-2-tetralones. 2,599,650, June 10.

Matthews, Ernest C., assignee: *See*—
Hobson, Alfred M., and Corbett.

May, Otto, H., Schwabisch Gmund, Germany. Toggle press. 2,600,242, June 10.

May, Stuart L., Huntington, N. Y. Loupe. 2,599,716, June 10.

McClain, Dorothy J.: *See*—
McClain, Harold L. and D. J.

McClain, Harold L., Walnut Creek, Calif. Mortar mixer and tumbler. 2,599,852, June 10.

McClain, Harold L. and D. J., Walnut Creek, Calif. Multiple-unit muffin pan. 2,599,853, June 10.

McClung, Louis A., Denver, Colo. Nail holder. 2,599,651, June 10.

McConnell, Robert A., Emsworth, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Moving target indication radar system. 2,600,255, June 10.

McCrery, Harold E., Dayton, Ohio, and A. E. Jesser, Alhambra, Calif., assignors to Plyfiber Container Company, Garwood, N. J. Bag bottom structure. 2,599,567, June 10.

McCune, William J., Jr., assignor to Polaroid Corporation, Cambridge, Mass. Photographic element containing a processing liquid. 2,600,064, June 10.

McGee, James D., London, and W. E. Turk, assignors to Electric & Musical Industries Limited, Hayes, England. Deposition of material onto a mosaic screen through a stencil. 2,600,121, June 10.

McGraw Electric Company, assignee: *See*—
Von Liedtke, Rudolph H.

McIntyre, Sidney S., Sedro Woolley, Wash. Power transmission mechanism. 2,600,065, June 10.

McIntyre, Sidney S., Sedro Woolley, Wash. Open side cable carriage. 2,600,066, June 10.

McKinney, Dwight D., Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Gas disengaging combination for catalytic contacting apparatus. 2,599,568, June 10.

McLarty, Gordon, Battle Creek, Mich. Apparatus for modifying thermostat operation. 2,599,569, June 10.

McLaughlin, George F., Berkeley, Calif. Storage system for pressurized fluids. 2,600,015, June 10.

McMurdy, Paul A., and O. N. Donehoo, Houston, Tex. Well-drilling bit. 2,599,854, June 10.

McShane, Oscar T., assignee: *See*—
Dunning, Homer K.

McSweeney, William J., Chicago, Ill., assignor to National Thrift Plans, Inc., West Bend, Wis. Lock structure for coin savings banks. 2,600,311, June 10.

Meier, Donald R., Erie, Pa., assignor to General Electric Company. Commutator for dynamoelectric machines. 2,600,312, June 10.

Menzies, Clifford G., Iron Mountain, Mich. Transport truck arrangement for hospital beds. 2,599,717, June 10.

Merla Tool Corporation, assignee: *See*—
Kagay, Vestal A., and Robison.

Merodian, Yervant E., Boston, Mass. Cutting device. 2,600,067, June 10.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulating system. 2,600,313, June 10.

Metal & Thermit Corporation, assignee: *See*—
Johnson, Ernest W., and Church.

Metals & Controls Corporation, assignee: *See*—
Volterra, Renzo U.

Metz, George F., Diamond Point, assignor to Shawinigan Products Corp., New York, N. Y. Molding composition suitable for phonograph records comprising tough polyvinyl acetal resin and petroleum-hydrocarbon insoluble resinous wood extract. 2,599,570, June 10.

Meyer, Albert W., Nutley, and W. A. Hermonat, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Forming plastisols. 2,600,122, June 10.

Meyer, Geo. J., Manufacturing Co., assignee: *See*—
Carter, Sidney T.

Meyers, Otto B., Quakertown, Pa., assignor to Markem Machine Company, Keene, N. H. Device for removing individual sheets from a stack. 2,600,068, June 10.

Meyfarth, Herbert J.: *See*—
Sower, George W., and Meyfarth.

Michaux, William W., Jr., Richmond, Va. Load-handling attachment for lift trucks. 2,599,855, June 10.

Midland Dynamo Company Limited, The, assignee: *See*—
Starfield, Cyril P.

Miehle Printing Press and Manufacturing Company, assignee: *See*—
Grossarth, Albert A.
Peyrebrune, Henri E.

Mietzsch, Fritz: *See*—
Schmidt, Hans, Behnisch, and Mietzsch.

Mikolic, Charles R., and G. D. Beling, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electromagnet with removable armature guide of hard material. 2,599,856, June 10.

Mildner, Raymond C., Oxhey, assignor to Telegraph Construction and Maintenance Company Limited, London, England. Manufacture of insulation for coaxial cables. 2,599,857, June 10.

Miles, George, assignee: *See*—
Wallis, Grover.

Miller, Hugnenin, assignor to Watervliet Paper Company, Watervliet, Mich. Pulping wood with sodium carbonate-lime solution. 2,599,571, June 10.

Miller, Hugenin, assignor to Watervliet Paper Company, Watervliet, Mich. Alkaline pulping of preimpregnated deciduous wood. 2,599,572, June 10.

Miller, John A.: *See*—
Smythe, Carl V., Drake, and Miller.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Fuel control for combustion apparatus. 2,600,123, June 10.

Miller, Titus, Baltic, assignor of forty per cent to D. J. Parker, Parma, Ohio. Hydraulic drawbar control. 2,600,016, June 10.

Milliken, George A., South Walpole, and K. E. Topping, Foxboro, assignors to Bird Machine Company, South Walpole, Mass. Centrifugal separator. 2,600,372, June 10.

Milton, Clare L., Jr., Roslyn Heights, N. Y., and C. A. Nielson, Takoma Park, Md., assignors to the United States of America as represented by the Secretary of the Army. Making flexible resinous replicas. 2,599,573, June 10.

Miner, Raymond F., West Branch, Iowa. Bait holder. 2,600,314, June 10.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Ross, Wayne M.

Miskovsky, Anton: *See*—
Zimic, Michael, and Miskovsky.

Mitchell, Reginald F., Mount Vernon, N. Y. Layout or hole locating device. 2,599,652, June 10.

Mittag, Albert H., and M. J. Mulhern, Schenectady, N. Y., assignors to General Electric Company. Voltage control system. 2,600,315, June 10.

Moe, Owen A., and D. T. Warner, Minneapolis, Minn., assignors to General Mills, Inc. Gamma-nitro-gamma-carbalkoxy butyraldehydes and process. 2,599,653, June 10.

Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Gels of carboxyalkyl ethers of carbohydrate gums. 2,599,771, June 10.

Mohawk Carpet Mills, Inc., assignee: *See*—
Hamilton, Kenneth, Jr.

Moloney, Raymond T., assignee: *See*—
Breitenstein, Charles T.

Montegna, Bruno: *See*—
Romine, Earnest C., and Montegna.

Montenare, Anthony, Reading, Pa. Reed for wind instruments. 2,599,574, June 10.

Montgomery, Edward: *See*—
Price, Herbert K., and Montgomery.
Moore, Arnold R., New Brunswick, N. J., assignor to Radio Corporation of America. Semiconductor translating device. 2,600,373, June 10.
Moore, Donald E., Kokomo, and H. D. Moore, Frankfort, Ind. Wagon hoist. 2,599,772, June 10.
Moore, George C., Company, assignee: *See*—
Siciliano, Samuel F.
Moore, Herman D.: *See*—
Moore, Donald E. and H. D.
Moore, Laurence L.: *See*—
Winslow, Charles A., Nostrand, and Moore.
Moore, Paul B., assignor to York Corporation, York, Pa. Air conditioner. 2,600,316, June 10.
Morain, Willard: *See*—
Lewis, Frank M., and Morain.
Morales, John: *See*—
Berger, Martin M., and Morales.
Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Shaft. 2,599,575, June 10.
Morris, Edward H., Ashtead, E. Danvers, Churchdown, Gloucester, and T. E. Godden, Cheltenham, assignors to Rotol Limited, Gloucester, England. Variable pitch reversible propeller. 2,600,017, June 10.
Morris, Garland J., Hampton, Va. Audible leveling means for cameras and other devices. 2,600,363, June 10.
Morris, Rupert C.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.
Morris, Vlon N., Highland Park, C. L. Weidner, Cranbury, N. J., and L. W. Eger, East Hampton, Conn., assignors to Industrial Tape Corporation. Adhesive sheet or tape. 2,599,576, June 10.
Morrison-Bergmann Corporation, assignee: *See*—
Hucknall, Richard H.
Morrison, John L. M., Bristol, R. T. C. Woodward, R. Peel, and E. Greaves, assignors to F. N. F. Limited, Burton-on-Trent, England. Thread controlling apparatus in textile machines. 2,600,256, June 10.
Morrison, Willard L., Lake Forest, Ill. Food package. 2,600,069, June 10.
Mortley, Wilfrid S., Great Baddow, Chelmsford, England, assignor to Radio Corporation of America. Piezoelectric crystal circuit arrangement. 2,600,124, June 10.
Mosca, Nestor, Oakland, Calif. Lathe jig for turning crankshafts. 2,599,931, June 10.
Moseley, Francis L.: *See*—
Biggs, John A., Heald, and Moseley.
Motor Products Corporation, assignee: *See*—
Whitmore, Harland W.
Motor Wheel Corporation, assignee: *See*—
Miller, John W.
Motorspeed Corporation, The, assignee: *See*—
Knauth, Berthold A., and Chin.
Moulsdale, W. E., and Company Limited, assignee: *See*—
Brown, Robert H.
Mount Sinai Hospital Research Foundation, Inc., assignee: *See*—
Shwartzman, Gregory.
Mulhern, Marvin J.: *See*—
Mittag, Albert H., and Mulhern.
Munk, Max M., Cottage City, Md. Laminated propeller. 2,599,718, June 10.
Murdock Mfg. & Supply Co., The, assignee: *See*—
Bart, Thomas E.
Murphy, Francis H., Webster Groves, Mo., assignor to Switzer Companies. Article feeding device for wrapping machines. 2,599,932, June 10.
Murray, Willard M.: *See*—
Ayers, Charles L., and Murray.
Musikant, Solomon, Lodi, N. J., assignor to Curtiss-Wright Corporation. Stator blade construction. 2,599,654, June 10.
Nack, Herman: *See*—
Davis, Oliver F., and Nack.
Nagel, George W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Stabilized control circuit. 2,600,317, June 10.
Napier, D., & Son Limited, assignee: *See*—
Kinsella, John.
Natcon Industries, Incorporated, assignee: *See*—
Stephan, Alfred W.
National Machinery Company, The, assignee: *See*—
Friedman, John H.
National Marking Machine Company, The, assignee: *See*—
Griesinger, John.
National Supply Company, The, assignee: *See*—
Neilon, Claude R.
National Thrift Plans, Inc., assignee: *See*—
McSweeney, William J.
National Tube Company, assignee: *See*—
Kritscher, Andrew F.
National Union Radio Corporation, assignee: *See*—
Skellett, Albert M.
Natland, Manley L., Rolling Hills, and R. E. Pearson, Compton, assignors to Richfield Oil Corporation, Los Angeles, Calif. Punch core orienter for wells. 2,600,125, June 10.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Bostick, Winston H.
Chu, Lan J.
Fano, Roberto M.
Hurt, Percy F.
Kleiderer, Charles W.
Neher, Leland K.
Pierce, John A.
Salisbury, Winfield W.
Schmitt, Otto H.
Smullin, Louis D.
Stanton, Russell S.
Woodbury, Roger B.
Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer, assignee: *See*—
Sigtermans, Arle A. J.
Neher, Leland K., Newton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Superregenerative microwave receiver. 2,599,933, June 10.
Neilon, Claude R., Houston, Tex., assignor to The National Supply Company, Pittsburgh, Pa. Tubing hanger packing. 2,600,257, June 10.
Nelson, Clare R., and R. E. Madison, Detroit, assignors to Truscon Laboratories, Inc., Hamtramck, Mich. Portland cement base paints. 2,600,018, June 10.
Neon Products, Inc., assignee: *See*—
Howenstine, James A.
Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,599,773, June 10.
Netschert, Franz, Glendale, assignor to Technical Glass Company, Los Angeles, Calif. Sorting machine. 2,599,655, June 10.
Nettler, Stanley, Great Neck, N. Y. Hosiery form attachment. 2,600,258, June 10.
Neubeck, Clifford E.: *See*—
Smythe, Carl V., and Neubeck.
New Castle Products, Inc., assignee: *See*—
Planeaux, Marvin J.
Newmont Mining Corporation, assignee: *See*—
Brant, Arthur A.
Nicorvo, Edwin J., Morgan, N. J. Demountable electric audible device. 2,600,070, June 10.
Nielsen, Hans L., Copenhagen, Denmark. Machine for binding wreaths. 2,600,071, June 10.
Nielson, Carl A.: *See*—
Milton, Clare L., Jr., and Nielson.
Noble, Merle L.: *See*—
Keele, Marvin E., and Noble.
Nolan, Kenneth G., South Norwalk, and J. H. Fletcher, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Halogenated and nitro halogenated thiophenes as agricultural fungicides. 2,600,126, June 10.
Noon, Alonzo W., assignor of one-third to A. H. Rix and one-third to R. A. Noon, San Diego, Calif. Timer. 2,599,858, June 10.
Noon, Roy A., assignee: *See*—
Noon, Alonzo W.
Nordberg Manufacturing Co., assignee: *See*—
Dow, Herbert W.
Nordmark, Walter E.: *See*—
Hoven, Alfred C., and Nordmark.
Norgren, C. A., Co., assignee: *See*—
Norgren, Carl A.
Norgren, Carl A., assignor to C. A. Norgren Co., Denver, Colo. Balanced fluid pressure regulating valve. 2,599,577, June 10.
Norris Brothers, assignee: *See*—
Norris, David L., Sr.
Norris, David L., Sr., Greenville, S. C., assignor to Norris Brothers. Picker stick. 2,600,019, June 10.
North American Electric Lamp Co., assignee: *See*—
Henry, Jack.
Northrop Aircraft, Inc., assignee: *See*—
Taylor, Philip H.
Norton Company, assignee: *See*—
Green, Clarence J.
Hill, Olva E.
Nostrand, William G.: *See*—
Winslow, Charles A., Nostrand, and Moore.
Nulty, William B., trustee, assignee: *See*—
Randall, Walter H.
O. & S. Bearing Company, assignee: *See*—
Scully, Samuel McC.
Oberheim, Earnest F.: *See*—
Silverman, Henry S., Raffer, and Oberheim.
Obert, Leonard, Silver Spring, and W. I. Duvall, Greenbelt, Md. Device for measuring the change of strain in a solid medium. 2,599,578, June 10.
Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
Saunders, Norman B.
Officine Moncenisio, gia An. Bauchiero, assignee: *See*—
Camnasio, Carlo, Venturelli, and Colalupo.

Ogg, Leon L., assignor of one-third to J. A. Loudon and one-third to P. A. Luddington, Creston, Iowa. Paper holder for making photographic enlargements. 2,599,859, June 10.
Ohio Brass Company, The, assignee: *See*—
Clark, William F.
Ohls, Robert L., Houston, Tex. Valve assembly. 2,599,774, June 10.
Olin Industries, Inc., assignee: *See*—
Williams, David M.
O'Neill, Ralph A., Englewood, N. J. Folding metal deck chair. 2,600,374, June 10.
Opocensky, Willard J., assignor to Librascope, Incorporated, Glendale, Calif. Limit stop mechanism for potentiometers or the like. 2,599,934, June 10.
Orner, Clayton, assignee: *See*—
Cottingham, Robert J.
Ostrow, Philip A., Providence, R. I. Attachment for dual pedal control for automobiles. 2,599,656, June 10.
Palace Corporation, assignee: *See*—
Hanson, Frank D., Parker, and Wagener.
Palmer, Philip C., Alvechurch, England. Fishing rod. 2,600,259, June 10.
Park, David A., Washington, D. C., assignor to United States of America as represented by the Secretary of War. Ultrahigh-frequency panoramic receiver. 2,600,260, June 10.
Park, Robert H., Pluckemin, N. J., A. G. Russell, Arlington, Va., W. S. MacDonald, Westgate, Md., and R. R. Crookston, Washington, D. C. Streamline depth charge. 2,599,579, June 10.
Parker, Davis J., assignee: *See*—
Miller, Titus.
Parker, Henry R.: *See*—
Hanson, Frank D., Parker, and Wagener.
Pasker, Gerald J., Monticello, Iowa. Hydraulic line coupling. 2,599,935, June 10.
Paterson, George M.: *See*—
Paterson, John M., and G. M.
Paterson, John M., Glendale, and G. M. Paterson, Los Angeles, Calif. Marginal securing strip for carpets. 2,599,580, June 10.
Patrignani, Leonida, Bologna, Italy. Safety razor. 2,600,318, June 10.
Pavitt, Frederick J., assignor to Allen West and Company Limited, Brighton, England. Electrical switch mechanism. 2,599,657, June 10.
Pearson, Raymond E.: *See*—
Natland, Manley L., and Pearson.
Peel, Robert: *See*—
Morrison, John L. M., Woodward, Peel, and Greaves.
Peerless Tube Company, assignee: *See*—
Remington, Frederic, and Tartaglia.
Pegg, Charles E., assignor to E. S. & A. Robinson Limited, Bristol, England. Grinding mill. 2,599,719, June 10.
Pennington, Harry, Jr., San Antonio, Tex. Aerial map projection method and apparatus for making same. 2,600,261, June 10.
Peremi, Edmund, Bayside, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Combined window jamb anchor and adjuster. 2,600,072, June 10.
Perkins, John L., Arlington, and E. E. Sylvester, Brookline, assignors to B. B. Chemical Co., Boston, Mass. Cements for attaching shoe soles. 2,599,581, June 10.
Permaline Company, The, assignee: *See*—
Gottesman, Herman.
Perrotta, Raffaele, assignee: *See*—
Di Palma, Antonio.
Perwas, Ludwig F., Bronx, N. Y. Manually operated pressure feed fountain toothbrush. 2,599,658, June 10.
Pestarini, Joseph M., Staten Island, N. Y. Metadyne motor. 2,599,936, June 10.
Peters, Anne B.: *See*—
Peters, Melville F. and A. B.
Peters, Melville F. and A. B., Newark, N. J. Producing impregnated carbon brushes. 2,599,582, June 10.
Peterson, Glen, Tulsa, Okla., assignor to Phillips Petroleum Company. Electrostatic seismometer. 2,599,775, June 10.
Petras, John F.: *See*—
Romeyn, Hendrik, Jr., and Petras.
Petrilli, Santy C., assignor to General Candy Corporation, Chicago, Ill. Apparatus for feeding candy bars. 2,599,937, June 10.
Petrolite Corporation, Ltd., assignee: *See*—
Blair, Charles M., Jr.
Petrolite Corporation, Ltd., assignee: *See*—
Robinson, Robert A., and Eberz.
Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet gripper structure and setting means therefor. 2,599,776, June 10.
Phillips, Clarence S.: *See*—
Phillips, Harold B. and C. S.
Phillips, Harold B., Wichita, Kans., and C. S. Phillips, Memphis, Mo. Portable power-driven coal conveyer. 2,599,659, June 10.
Phillips, Oliver V.: *See*—
Beezley, Weldon D., and Phillips.
Phillips Petroleum Company, assignee: *See*—
Carpenter, Paul G.
Crouch, Willie W., and Howe.
Hachmuth, Karl H.
Peterson, Glen.
Simms, Russell K.
Whaley, Thomas H., Jr.
Wicklatz, John E.
Phoenix Metal Cap Co., Inc., assignee: *See*—
Tesch, Ernest A., Jr.
Pierce, John A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Gain control device for radio receivers. 2,599,777, June 10.
Pierce, John B., Foundation, assignee: *See*—
Cataldo, John B., and Tidd.
Pietsch, Herman A., Greentree Borough, assignor to Dravo Corporation, Pittsburgh, Pa. Forced air flow air-heating furnace. 2,600,020, June 10.
Planeaux, Marvin J., assignor to New Castle Products, Inc., New Castle, Ind. Foldable closure. 2,599,860, June 10.
Plank, Norris, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif. Pressure regulator. 2,600,073, June 10.
Plyfiber Container Company, assignee: *See*—
McCrery, Harold E., and Jesser.
Poe, Edgar A.: *See*—
MacDonald, Dennison H., and Poe.
Pohlig, Friedrich, Tobyhanna, Pa. Lock for handbag frame members. 2,600,074, June 10.
Polaroid Corporation, assignee: *See*—
McCune, William J., Jr.
Poole, Harmon A., Jr., Litchfield, Conn., assignor to Bendix Aviation Corporation, Teterboro, N. J. Apparatus for measuring phase difference of periodic waves. 2,599,881, June 10.
Postel, Edward, Denver, Colo. Removable jewel earring. 2,600,319, June 10.
Potter, Manley C., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-power electric locomotive. 2,600,320, June 10.
Poutinen, Paul T., Manhasset, N. Y. Quick disconnect key holder. 2,599,660, June 10.
Power-Gas Corporation Limited, The, assignee: *See*—
Grisenthwaite, Arthur T., and Cruse.
Power Jets (Research & Development) Limited, assignee: *See*—
Walker, Daniel N.
Powers, Walter H., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Spark arrester mechanism. 2,600,262, June 10.
Prasky, Joseph A.: *See*—
Schwarm, Otto, and Prasky.
Prener, Jerome S., Schenectady, N. Y., assignor to General Electric Company. Arsenic activated zinc sulfide phosphor and making same. 2,600,263, June 10.
Prevost, Bruno E., North Andover, assignor to J. W. Bolton & Sons, Inc., Lawrence, Mass. Back stand for rolls of paper. 2,599,720, June 10.
Price, Herbert K., and E. Montgomery, San Francisco, Calif. Manhole cover remover. 2,599,938, June 10.
Pritchard, Levi T., Tulsa, Okla., assignor to Dry Ice Converter Corporation. Cover for pressure vessels. 2,600,021, June 10.
Proctor, Warren G., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Geometrical computer. 2,600,264, June 10.
Product Developers, Inc., The, assignee: *See*—
Van Dyk, John C.
Prutton, Daniel H., Cleveland, Ohio. Tapping machine drive. 2,600,022, June 10.
Przybylski, Daniel F., Winona, Minn. Trench excavator. 2,599,778, June 10.
Pueblo Savings & Trust Company, executor: *See*—
Arthur, Oscar F., and Schulle.
Pure Oil Company, The, assignee: *See*—
Bond, Donald C.
Puryear, Oney P.: *See*—
Knowles, Edwin C., Puryear and Eckert.
Pyle, James J., Coshocton, Ohio, assignor to General Electric Company. Self-lubricated plastics. 2,600,321, June 10.
Radio Corporation of America, assignee: *See*—
Ergen, William K.
Grimm, Albert C., and Sweet.
Kahn, Leonard R., and Lyons.
Kell, Ray D.
Lazzery, Angelo G.
MacSorley, Olin L.
Moore, Arnold R.
Mortley, Wilfrid S.
Schelling, Thomas H.
Volz, Philip E.
Raffer, Stanley M.: *See*—
Silverman, Henry S., Raffer and Oberheim.
Railroad Accessories Corporation, assignee: *See*—
Lavarack, Frederick C.
Rajtora, Vaclav, Paris, France. Electric furnace. 2,599,779, June 10.
Ramsey Corporation, assignee: *See*—
Marien, Melvin W.

Ramsey, George H.: *See*—
Sewell, Ben W., and Ramsey.
Randall, Walter H., Waterville, assignor, by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Pulp molding die. 2,600,265, June 10.
Raney, Edwin A., Pittsfield, Mass., assignor to General Electric Company. Apparatus for affixing conducting tap straps to paper mounting strips. 2,600,322, June 10.
Ransome, Mae K., conservator: *See*—
Ransome, Stafford M.
Ransome, Stafford M., Incompetent, by M. K. Ransome, conservator, assignor to Barber-Colman Company, Rockford, Ill. Automatic cutter sharpening machine. 2,600,323, June 10.
Rappaport, Maurice B., Brookline, assignor to Sanborn Company, Cambridge, Mass. Fluid pressure measuring apparatus. 2,600,324, June 10.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Watering system. 2,599,862, June 10.
Reaser, William A., Toledo, E. A. Ziems, Rossford, Ohio, and J. M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio. Straightedge glass plate beveling and edging machine. 2,600,127, June 10.
Reed & Carnrick, assignee: *See*—
Van Meter, Clarence T.
Reed, Flood Everett: *See*—
Boyd, Joseph J., and Reed.
Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Adjustable indicator for stove valves. 2,599,780, June 10.
Regie Nationale des Usines Renault, assignee: *See*—
Salves, Leon.
Reisch, George J., Stratford, Conn., assignor to General Electric Company. Enclosed oscillating fan. 2,600,325, June 10.
Remington, Frederic, Elizabeth, and R. A. Tartaglia, East Orange, assignors to Peerless Tube Company, Bloomfield, N. J. Apparatus for distributing and drying uniform interior coatings in collapsible tubes. 2,599,721, June 10.
Republic Patent Corporation, assignee: *See*—
Durant, Lyndon A., and Binks.
Republic Steel Corporation, assignee: *See*—
Sower, George W., and Meyfarth.
Revere Corporation of America, assignee: *See*—
MacDonald, Dennison H., and Poe.
Reynolds, James L., Sr., assignor to Sam Schwartz Machinery Corporation, Charlotte, N. C. Perforated pattern mechanism for looms. 2,600,128, June 10.
Rhoads, Edwin E.: *See*—
Arnold, George, Schultz and Rhoads.
Rhodes, Charles J., Wakefield, England. Hydraulic system for actuating the tool-carrying beam of sheet bending machines. 2,599,781, June 10.
Rice, Frederick H., Van Nuys, Calif. Record album. 2,600,023, June 10.
Richards, Charles H., Flushing, N. Y. Apparatus for producing a stream of electrically charged multimolecular particles. 2,600,129, June 10.
Richardson, Arthur D., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Suspension galvanometer and magnet assembly. 2,599,661, June 10.
Richardson, Jules V., Chicago, Ill. Cigarette lighter. 2,599,939, June 10.
Richfield Oil Corporation, assignee: *See*—
Natland, Manley L., and Pearson.
Richman, Irving M.: *See*—
Gelfand, Max, and Richman.
Richterkessing, Frank H., Louisville, Ky. Treadle mechanism for operating valves or the like. 2,600,326, June 10.
Rickena, Clarence, Chillicothe, Ill. Automatic tank ball. 2,599,940, June 10.
Rickles, William T., Oneonta, Ala. Laundry iron support. 2,599,941, June 10.
Ridge, Donald C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Power-actuated rotary tool. 2,600,327, June 10.
Riemvis, Wilhelm F., Dongen, Netherlands. Stretcher support. 2,599,863, June 10.
Riesenfeld, Fred C., Hollywood, and H. D. Frazier, Alhambra, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Separation of acidic constituents from gases. 2,600,328, June 10.
Rife-Coe Filter Process, Inc., assignee: *See*—
Coe, Mayne R.
Rix, Asa H., assignee: *See*—
Noon, Alonzo W.
Roberts, Alfred, assignee: *See*—
Sweet, Roland G.
Roberts, Elliott J.: *See*—
Wells, David F., Thompson, and Roberts.
Robertson-Shersby-Harvie, Robert B., Malvern, and R. G. Garfitt, Sale, England. Wave front modifying wave guide system. 2,599,864, June 10.
Robinette, Willard C., South Pasadena, Calif. Molecular resistance motor control device. 2,600,170, June 10.
Robinson, E. S. & A., Limited, assignee: *See*—
Pegg, Charles E.
Robinson, Robert A., Long Beach, and W. F. Eberz, Altadena, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Method and apparatus for testing suspensions. 2,599,583, June 10.
Robison, Jarvis L.: *See*—
Kagay, Vestal A., and Robison.
Rockwell, Ludlum H., Bloomsburg, Pa. Pick wheel operated loom stop motion mechanism. 2,599,584, June 10.
Rodriguez, Luis M. I., Habana, Cuba. Continuous clarifier. 2,599,782, June 10.
Roen, Gunnar, Vikeland, near Kristiansand, Norway. Paper winding machine. 2,599,942, June 10.
Rohen, Elmer D., Holland, Mich. Vehicle body heater. 2,599,585, June 10.
Rohm & Haas Company, assignee: *See*—
Smythe, Carl V., and Neubeck.
Smythe, Carl V., Drake, and Miller.
Romeyn, Hendrik, Jr., Montclair, and J. F. Petras, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Elastomer product. 2,600,024, June 10.
Romine, Earnest C., Hardin, Mont., and B. Montegna, Sheridan, Wyo. Automatic tare catcher. 2,600,329, June 10.
Root, John J., New York, N. Y. Motor speed control apparatus. 2,599,783, June 10.
Rosenbaum, Randolph R., Philadelphia, Pa. Choledochoscope. 2,599,662, June 10.
Ross, Herbert L., Lynnfield, Mass., assignor to General Electric Company. Fusible means for securing instrument parts during shipment. 2,600,330, June 10.
Ross, Wayne M., Seattle, Wash., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Marine depth finder. 2,599,586, June 10.
Roth, Ernest J., Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Automatic doughnut former. 2,600,075, June 10.
Rothweiler, Charles, assignor to David White Company, Milwaukee, Wis. Pendulum retaining means. 2,600,266, June 10.
Rotol Limited, assignee: *See*—
Morris, Edward H., Danvers, and Godden.
Rourke, Daniel J., Jr., and F. G. Clark, East Orange, N. J. Coin-operated depository for clothing and the like. 2,599,722, June 10.
Row, Henry H. G., Baldwin, N. Y. Leg construction for coiled spring beds. 2,599,723, June 10.
Rowntree, Norman A. F.: *See*—
Boucher, Percival L., and Rowntree.
Royal Patent Corporation, assignee: *See*—
Durant, Lyndon A.
Summers, William J.
Rude, John F., assignor to A. V. Burch, Evansville, Ind. Disk harrow angling mechanism. 2,600,331, June 10.
Rude, John F., and A. V. Burch, assignors to Burch Plow Works, Inc., Evansville, Ind. Rotary hoe wheel. 2,600,332, June 10.
Rudman, Edward G., Nashua, N. H. Stop mechanism for sliding elements of furniture. 2,599,865, June 10.
Rundle, William B., Mount Forest, Ontario, Canada. Molasses mixer. 2,600,333, June 10.
Runcito, John R., and M. J. Damon, Altoona, Pa. Auxiliary pedal for foot brake pedals. 2,600,267, June 10.
Russell, Arthur G.: *See*—
Park, Robert H., Russell, MacDonald, and Crookston.
Russell, George F.: *See*—
Mann, Julius W., and Russell.
Russell, Harold C., Minneapolis, and W. N. King, Anoka, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Making disintegratable top shot wads. 2,599,943, June 10.
Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Shift control mechanism. 2,599,724, June 10.
Rust, David J., and J. H. Jensen, assignor to Ry-Lock Company, Ltd., San Leandro, Calif. Upper securing device for tension screens. 2,599,725, June 10.
Ry-Lock Company, Ltd., assignee: *See*—
Rust, David J., and Jensen.
Saco-Lowell Shops, assignee: *See*—
West, Paul B.
Sagalyn, Paul L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical circuit for producing coding pulses. 2,600,268, June 10.
Sage, John, Flushing, N. Y. Mouthpiece device. 2,600,025, June 10.
Sagen, Gunnar, Copenhagen, Denmark. Regeneration of chromic acid baths utilized in electrodeposition of chromium. 2,600,171, June 10.
St. John, Ercell E., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Direct-current to alternating-current signal converter. 2,600,172, June 10.
Salves, Leon, assignor to Regie Nationale des Usines Renault, Billancourt, France. Device for automatic power transmission. 2,600,269, June 10.
Salisbury, Winfield W., Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Absorbent body for electromagnetic waves. 2,599,944, June 10.

Sanborn Company, assignee: *See*—
Rappaport, Maurice B.
Sattler, Stephen, Tulsa, Okla. Collapsible copy holder. 2,599,784, June 10.
Saunders, Norman B., Cambridge, Mass., assignor to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Microsecond delay circuit. 2,600,270, June 10.
Sax, Ben P., assignor to Automatic Buff Company, Chicago, Ill. Buffing. 2,599,785, June 10.
Schaevitz, Herman, Collingswood, N. J. Pressure-responsive device. 2,600,271, June 10.
Schalla, Milo M.: *See*—
Dilworth, Thomas B., and Schalla.
Schedl, Harold P.: *See*—
Denton, John J., and Schedl.
Schelling, Thomas H., Lancaster, Pa., assignor to Radio Corporation of America. Automatic electrode structure assembling means. 2,600,076, June 10.
Schenley Laboratories, Inc., assignee: *See*—
Schmidt, Hans, Behnisch, and Mietzsch.
Scherba, George J., Pittsburgh, Pa., assignor to United States Steel Company. Joint. 2,599,866, June 10.
Schilling, Ruth M., St. Paul, Minn., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Egg carton. 2,600,130, June 10.
Schlabach, Levi, Sr., Delaware, Ohio. Electrical coin dispenser. 2,600,026, June 10.
Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubber. 2,600,334, June 10.
Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Uranium borohydride and making the same. 2,600,370, June 10.
Schluchter, Alfred W., Dearborn, assignor to General Motors Corporation, Detroit, Mich. Making grid bearings. 2,599,726, June 10.
Schmeling, Darrell D., Watertown, S. Dak. Shrinking hammer for sheet metal working. 2,599,786, June 10.
Schmidt, Frederick W., assignor to Trustees Tumwater Square, Olympia, Wash. Stacking and nesting container. 2,599,727, June 10.
Schmidt, Hans, Wuppertal-Vohwinkel, R. Behnisch and P. Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Schenley Laboratories, Inc., New York, N. Y. Thiosemicarbazones. 2,600,077, June 10.
Schmidt-Nickels, Wilhelm, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Condensation products of benzanthrone-B_{ar}-carboxylic acid chloride and fluoranthene. 2,600,364, June 10.
Schmidt, Thur, Chicago, Ill. Bottle carrier. 2,599,787, June 10.
Schmitt, Otto H., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Voltage stabilizer. 2,599,945, June 10.
Schneider, Edwin G., Lexington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar display. 2,600,335, June 10.
Schubert, Eduard, Munchenstein, near Basel, assignor to Schweizerische Ferment A. G., Basel, Switzerland. Desizing agents and desizing baths. 2,599,867, June 10.
Schuh, La Verne L., Rockford, Ill. Extensible concealed dipper blade for snuffbox covers. 2,599,868, June 10.
Schulle, Frederick: *See*—
Arthur, Oscar F., and Schulle.
Schultz, Harry A.: *See*—
Arnold, George, Schultz, and Rhoads.
Schutte, August H., Hastings-on-Hudson, and V. O. Bowles, Rye, assignors to The Lummus Company, New York, N. Y. Heat transfer pebble. 2,600,078, June 10.
Schutzer, Alma W., San Francisco, Calif. Side rail for beds. 2,599,663, June 10.
Schwarm, Otto, and J. A. Prasky, Dormont, Pa. Lawn hand seeder. 2,600,131, June 10.
Schwartz, Max M.: *See*—
Sowa, Frank J., and Schwartz.
Schwartz, Sam, Machinery Corporation, assignee: *See*—
Reynolds, James L., Sr.
Schweizerische Ferment A. G., assignee: *See*—
Schubert, Eduard.
Scivally, Herschell R., Shreveport, La. Well logging apparatus. 2,600,336, June 10.
Scott-Atwater Manufacturing Company, assignee: *See*—
Armstrong, Daniel A.
Scott, John W.: *See*—
Egan, Clark J., and Scott.
Scully, Samuel M., Pleasant Ridge, assignor to O. & S. Bearing Company, Detroit, Mich. Hardened self-lubricating radial and thrust bearing. 2,600,079, June 10.
Seaberg, Ernest E., Brooklyn, assignor to Carnoy Products Corporation, Elmsford, N. Y. Fire extinguisher nozzle. 2,599,728, June 10.
Sears, Roebuck and Co., assignee: *See*—
Hill, Stanley E., and Zink.
Seaton, Harold E., assignor to The Autocall Company, Shelby, Ohio. Annunciator system. 2,600,132, June 10.
Sebardt, Wilhelm: *See*—
Jakobsson, Per, and Sebardt.
Secrist, John H., assignor to Detrex Corporation, Detroit, Mich. Noncorrosive metal cleaning composition. 2,599,729, June 10.
Seebohm, Derrick, Hitchin, England. Support for fencing. 2,599,788, June 10.
Segal, Arthur R., Milwaukee, Wis. Circular saw. 2,600,272, June 10.
Seifried, Anton G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for maintaining alignment of traveling belts. 2,600,273, June 10.
Sewell, Ben W., and G. H. Ramsey, Tulsa, Okla., assignors to Standard Oil Development Company. Formation tester. 2,600,173, June 10.
Shapiro, Joseph, assignee: *See*—
Wixon, Paul E., and Chapman.
Sharp, John L.: *See*—
Cunliffe, Percy W., Sharp, and Ashworth.
Shawinigan Products Corp., assignee: *See*—
Metz, George F.
Sheehan, James W., Venice, Calif. Conveyer chain. 2,600,174, June 10.
Sheft, Irving, Park Forest, and S. M. Fried, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Oxidation inhibitors of U_3O_8. 2,599,946, June 10.
Shell Development Company, assignee: *See*—
Abrams, Stanley T., and Stross.
Adelson, David E.
Adelson, David E., and Larsen.
Ballard, Seaver A., Morris, and Van Winkle.
Blondeau, René, Van Overbeek, and Whetstone.
Evans, Theodore W., and Shokal.
Fay, Charles H., and Tvedt.
Goebel, Johannes, Bakker, and Hoogland.
Hackmann, Johannes T.
Hansberry, Theodore R.
Harman, Denham, and Thorpe.
Plank, Norris.
Webber, William C.
Wilson, Joseph G.
Shellmar Products Corporation, assignee: *See*—
Schilling Ruth M.
Shelton, Calvin W., Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J. Polish rod hanger. 2,599,869, June 10.
Shepherd, Robert G.: *See*—
Stansly, Philip G., Shepherd, and Winterbottom.
Sheridan Flouring Mills, Inc., assignee: *See*—
Jurkow Julius.
Sherman, Robert A., Decatur, and L. O. Carlisle, La Grange, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Paper coating apparatus. 2,599,947, June 10.
Shokal, Edward C.: *See*—
Evans, Theodore W., and Shokal.
Shrader, Marvin O., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. 4-acetylamino-N-n-butyl-1,8-naphthalimide. 2,600,080, June 10.
Shvetz, Roman E., New York, N. Y. Rocking-chair and musical-box combination and clutch connection therefor. 2,599,948, June 10.
Shwartzman, Gregory, assignor to Mount Sinai Hospital Research Foundation, Inc., New York, N. Y. Preparing an antibacterial substance from pyridoxamine. 2,599,587, June 10.
Sichak, William, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,600,274, June 10.
Siciliano, Samuel F., assignor to George C. Moore Company, Westerly, R. I. Weft detector for looms. 2,600,365, June 10.
Siderman, Joseph A., Eatontown, N. J. Radiosonde recorder control. 2,599,588, June 10.
Siefen, Harry A.: *See*—
Johnson, Ernest E., and Siefen.
Sigtermans, Arie A. J., assignor to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer, The Hague, Netherlands. Rapid curing and low-pressure phenol-formaldehyde resins. 2,599,870, June 10.
Silber, Louis: *See*—
Friedman, Arthur, and Silber.
Silber, Ruben, administrator: *See*—
Friedman, Arthur, and Silber.
Silverman, Henry S., S. M. Raffer and E. F. Oberheim, Pittsburgh, Pa.; said Raffer and said Oberheim assignors to said Silverman. Orthopedic appliance. 2,599,589, June 10.
Simms, Russell K., Bartlesville, Okla., assignor to Phillips Petroleum Company. Maintaining B. t. u. content of residue gas from absorber. 2,600,133, June 10.
Simpson, Henry C.: *See*—
Spain, Walter G., and Simpson.
Simpson, Herbert, Corporation, assignee: *See*—
Christensen, Alfred C.
Singer Manufacturing Company, The, assignee: *See*—
Turner, Edgar P.
Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Orange, N. J. Electronic stepping switch. 2,599,949, June 10.

Šlampa, Vavřin, K. Čepelák, and F. Vrága, Brunn, Czechoslovakia. Shoe heel with elastic chambers. 2,599,871, June 10.

Slepian, Joseph: *See*—
Boyer, John L., and Slepian.

Sloan, Harry E., assignor to The Cushman Chuck Company, Hartford, Conn. Swivel connection for air-operated chucks. 2,599,664, June 10.

Sloane, Robert W., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid level control mechanism. 2,600,366, June 10.

Slonneger, John C., assignor to The Continental Supply Company, Dallas, Tex. Valve. 2,599,872, June 10.

Smith, Curtis W., Berkeley, Calif. Substituted pentanediols and derivatives thereof. 2,600,275, June 10.

Smith, Edward P., Winnetka, assignor to Illinois Railway Equipment Company, Chicago, Ill. Lading strap fastening means. 2,599,873, June 10.

Smith, Harry, assignor to Smith's Jacking Systems Limited, London, England. Lifting jack. 2,600,276, June 10.

Smith, John O., Jr.: *See*—
Jones, Allen R., and Smith.

Smith, Kline & French Laboratories, assignee: *See*—
Kerwin, James F., and Ullyot.

Smith, L. C., & Corona Typewriters, Inc., assignee: *See*—
Avery, Henry A., and Barkdoll.

Smith, L. C., & Corona Typewriters, Inc., assignee: *See*—
Barkdoll, Joseph P.

Smith, W. H., & Son, Limited, assignee: *See*—
Lanegan, Frederick E.

Smith, Sidney A., Soilhull, Birmingham, assignor to James Beresford & Son Limited, Birmingham, England. Submersible electric motor. 2,600,277, June 10.

Smith's Jacking Systems Limited, assignee: *See*—
Smith, Harry.

Smullin, Louis D., Arlington, Mass., assignor to the United States of America, as represented by the Secretary of the Navy. Variable capacity cavity tuning. 2,600,278, June 10.

Smyth, Gordon R., Chicago, Ill., assignor to Haddon Products, Inc. Clock. 2,600,081, June 10.

Smythe, Carl V., Moorestown, N. J., B. B. Drake, Philadelphia, and J. A. Miller, Ithan, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of pectinesterase. 2,599,531, June 10.

Smythe, Carl V., Moorestown, N. J., and C. E. Neubeck, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of pectinase-free diastase. 2,599,532, June 10.

Soane, Arthur H.: *See*—
Hoffmeister, Hubert G., and Soane.

Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, assignee: *See*—
Marchal, Raymond H., and Durouchoux.

Solomon, Nathan L., assignee: *See*—
Feyrer, William F.

Sommers, Henry P. R., Wellesley Hills, Mass. Hair curler. 2,599,874, June 10.

"Sonapar," Societe de Participation, S. A., assignee: *See*—
Marcerou, Paul.

Sookne, Arnold M., Silver Spring, Md., and A. E. Brown, Washington, D. C., assignors to Harris Research Laboratories. Rendering proteinaceous textile materials water repellent. 2,599,590, June 10.

Sowa, Frank J., Cranford, and M. M. Schwartz, Jersey City, N. J., said Sowa assignor to Schwartz. Dental impression composition comprising a copolymer of vinyl chloride and vinyl acetate, di-normal propyl phthalate and a filler. 2,600,134, June 10.

Sower, George W., Cleveland Heights, and H. J. Meyfarth, Willoughby, assignors to Republic Steel Corporation, Cleveland, Ohio. Article lowering and loading device. 2,600,135, June 10.

Spain, Walter G., and H. C. Simpson, Danville, Va. Saw set. 2,600,027, June 10.

Specialties Development Corporation, assignee: *See*—
Stroop, John H.

Spiller, William R., and F. W. Varwig, Dayton, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Cutting machine. 2,599,591, June 10.

Spillmann, Max: *See*—
Hoffmann, Karl, and Spillmann.

Spitzley, Henry A., Portland, Mich. Portable power-driven planer. 2,600,279, June 10.

Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Adjusting ophthalmic mountings. 2,599,789, June 10.

Stadum, Clarence B., Snyder, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electronic sequence timer. 2,600,337, June 10.

Staley, A. E., Manufacturing Company, assignee: *See*—
Sherman, Robert A., and Carlisle.

Standard Oil Development Company, assignee: *See*—
Abendroth, Guss F.
Brugmann, William H., Jr.
Clothier, Archie T.
Garrett, Bowman S.
Jones, Allen R., and Smith.
Sewell, Ben W., and Ramsey.

Stansly, Philip G., R. G. Shepherd, and R. Winterbottom, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing polymyxim. 2,599,950, June 10.

Stanton, Russell S., Waban, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rotary spark gap. 2,599,951, June 10.

Staples, Evans M., Cincinnati, Ohio. Circular cutting tool. 2,600,280, June 10.

Starfield, Cyril P., Dukinfield, assignor to The Midland Dynamo Company Limited, Leicester, England. Armature winding machine. 2,599,875, June 10.

Starr, James T., Brainerd, Minn. Cagelike rotary cleaning brush for threaded bolts and the like. 2,600,338, June 10.

Staunt, Martin, Des Plaines, Ill. Gum massager. 2,600,136, June 10.

Steffen, Samuel T., Fairbury, Ill. Bale-loading machine. 2,600,028, June 10.

Stephan, Alfred W., Baldwin, assignor to Natcon Industries, Incorporated, New York, N. Y. Acid shampoo. 2,599,665, June 10.

Stewart, Deloris M., Shelbyville, Ind. Stationery rack. 2,600,339, June 10.

Stewart, Richard C., Oxnard, Calif. Traction device for track laying vehicles. 2,599,592, June 10.

Stickelber, Merlin A., Kansas City, Mo., assignor to Stickelber & Sons, Inc. Sheeted dough transfer conveyer. 2,600,281, June 10.

Stickelber & Sons, Inc., assignee: *See*—
Sticelber, Merlin A.

Stirn, Frank E., Pearl River, and A. S. Taylor, Spring Valley, assignors to American Cyanamid Company, New York, N. Y. Capsule drying and burnishing method. 2,600,367, June 10.

Stocklock Proprietary Limited, assignee: *See*—
Watson, Henry G.

Stone, Albert R., Baltimore, Md., assignor to Gerotor May Corporation. Stress indicating bolt or stud. 2,600,029, June 10.

Strauss, Walter L., New York, N. Y. Animated mechanical toy. 2,600,340, June 10.

Strayer, Wilfred, Germantown, Ohio. Grinding wheel blower. 2,599,952, June 10.

Strong, Walter J., Cuyahoga Falls, Ohio, assignor to the B. F. Goodrich Company, New York, N. Y. Apparatus for tumbling rubber articles. 2,600,282, June 10.

Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Valve. 2,599,593, June 10.

Stross, Fred H.: *See*—
Abrams, Stanley T., and Stross.

Stuart, Clifton F., Warren, assignor of one-half to G. E. Lane, Youngstown, Ohio. Packing fruit. 2,599,790, June 10.

Stube, Frederick F., assignor to R. E. Dietz Company, Syracuse, N. Y. Actuating mechanism for direction indicating signal for motor vehicles. 2,600,030, June 10.

Sulby Engineering Development Company Limited, assignee: *See*—
Surridge, Charles A.

Summers, William J., assignor, by mesne assignments, to Royal Patent Corporation, Chicago, Ill. Coin-actuated control switch. 2,599,953, June 10.

Sumner, Ardie H., deceased, Jackson, Mich.; B. V. Sumner, administratrix. Boatloading device for automobile tops. 2,600,082, June 10.

Sumner, Birdie V., administratrix: *See*—
Sumner, Ardie H.

Sun Tool & Machine Company, The, assignee: *See*—
Reaser, William A., Ziems, and Christman.

Surface Combustion Corporation, assignee: *See*—
Cone, Carroll.

Surridge, Charles A., Herne Hill, assignor to The Sulby Engineering Development Company Limited, London, England. Gumming and pasting machine. 2,599,666, June 10.

Sutton, O. A., Corporation, Inc., The, assignee: *See*—
Sutton, Ottis A.

Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Flexible coupling for fan mountings. 2,599,730, June 10.

Sutz, Roy, Chicago, Ill. Transparent flexible Venetian blind enclosure. 2,600,083, June 10.

Svensson, Sven H., Alingsas, Sweden. Instructional device for calculating. 2,600,084, June 10.

Sweeney, B. K., Mfg. Co., assignee: *See*—
Able, Edward T., and Krieger.

Sweet, Arthur P., Jr.: *See*—
Grimm, Albert C., and Sweet.

Sweet, Roland G., Pleasanton, assignor to A. Roberts, Concord, Calif. Leather punch. 2,599,877, June 10.

Sweger, Theodore J., and M. S. Johnson, assignors to Illinois Railway Equipment Company, Chicago, Ill. Wear plate for brake heads. 2,599,876, June 10.

Swenson, Claus H., Minneapolis, Minn. Manually operated means for propelling boats. 2,599,791, June 10.

Swift & Company, assignee: *See*—
Hodges, William A.

Switzer Companies, assignee: *See*—
Murphy, Francis H.

Sylvan, Joseph, Berkley, Mich. Window and screen assembly. 2,600,283, June 10.

Sylvania Electric Products, Inc., assignee: *See*—
Gartner, Stanley J., and Hasselman.

Sylvania Electric Products Inc., assignee: *See*—
Jacobs, Harold, and Hees.

Sylvester, Edwin E.: *See*—
Perkins, John L., and Sylvester.

Talbot, Robert B.: *See*—
Fox, Samuel S., and Talbot.

Tall, Joel, New York, N. Y. Splicing block. 2,599,667, June 10.

Tammen and Denison, Inc., assignee: *See*—
Denison, William E.

Tartaglia, Richard A.: *See*—
Remington, Frederic, and Tartaglia.

Taylor, Arthur S.: *See*—
Stirn, Frank E., and Taylor.

Taylor, Calvin R., Tampa, Fla. Radiator cap and steam baffle wrench. 2,599,668, June 10.

Taylor, George A., East Orange, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heater unit. 2,599,594, June 10.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Three-component fourelement objective. 2,599,669, June 10.

Taylor, Smith & Taylor Company, The, assignee: *See*—
Bower, James A.

Taylor, Taylor & Hobson Limited, assignee: *See*—
Cook, Gordon H.

Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure-regulating valve. 2,600,137, June 10.

Technical Glass Company, assignee: *See*—
Netschert, Franz.

Telegraph Construction and Maintenance Company Limited, assignee: *See*—
Mildner, Raymond C.

Teletype Corporation, assignee: *See*—
Halvorsen, Ralph H.

Teach, Ernest A., Jr., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill. Cap feeding mechanism. 2,600,138, June 10.

Texas Company, The, assignee: *See*—
Arnold, George B., and Kovach.
Knowles, Edwin C., Puryear and Eckert.

Thomas & Betts Co., The, assignee: *See*—
Bergan, Martin D.

Thomas, George G., Chicago, Ill. Foldable scaffold for household uses. 2,599,670, June 10.

Thomas, James, Berwick, Pa. Instrument for scribing circular arcs on a workpiece about a fixed center. 2,600,139, June 10.

Thomas, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ester manufacture. 2,600,031, June 10.

Thompson, Lee E., Tulsa, Okla. Liquid level gauge and operating system. 2,600,341, June 10.

Thompson, Richard A., West Orange, N. J., assignor to Curtiss-Wright Corporation. Fluid conduit heating means. 2,599,671, June 10.

Thompson, Robert B.: *See*—
Wells, David F., Thompson, and Roberts.

Thorpe, Roy E.: *See*—
Harman, Denham, and Thorpe.

Tibbs, Oscar F., assignor of one-half to E. R. Garner, Sr., Memphis, Tenn. Supporting means for bearing grinders. 2,599,954, June 10.

Tidd, Elbert D. F.: *See*—
Cataldo, John B., and Tidd.

Tilton & Cook Co., assignee: *See*—
Holden, Crofton C.

Time, Incorporated, assignee: *See*—
Klyce, Battle H.

Times Facsimile Corporation, assignee: *See*—
Evans, Earl R.

Timken-Detroit Axle Company, The, assignee: *See*—
Morgan, Mathew B.

Toman, Florian A. J., San Bernardino, Calif. Mustard and catsup dispenser. 2,599,955, June 10.

Topping, Kenneth E.: *See*—
Milliken, George A., and Topping.

Torseth, John H., Fargo, N. Dak. Commercial truck body. 2,600,140, June 10.

Toth, Michael C., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Warning and lubricating device for hot journals. 2,599,672, June 10.

Transmission & Gear Company, The, assignee: *See*—
Gerst, Chris.

Tranter, Reginald F. W., Wellesley, assignor to Boston Herald-Traveler Corporation, Boston, Mass. Apparatus for inserting supplementary sheets in newspapers and the like. 2,600,284, June 10.

Trumbull, Fred W., Los Altos, and R. C. Howard, Atherton, Calif. Accounting sheet. 2,599,673, June 10.

Truscon Laboratories, Inc., assignee: *See*—
Nelson, Clare R., and Madison.

Trustees Tumwater Square, assignee: *See*—
Schmidt, Frederick W.

Tucker, William H., Saugus, Mass., assignor to General Electric Company. Alternating current measurement bridge. 2,600,342, June 10.

Turausky, Mary, Chicago, Ill. Compactly foldable sprinkler means. 2,599,792, June 10.

Turk, Walter E.: *See*—
McGee, James D., and Turk.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner with height adjustment. 2,600,141, June 10.

Tuttle, Clifton M., Halesite, assignor to Kenyon Instrument Company, Inc., Huntington, N. Y. Making conductive patterns. 2,600,343, June 10.

Tvedt, Thorwald J.: *See*—
Fay, Charles H., and Tvedt.

Twining, Homer L.: *See*—
Campbell, John G., and Twining.

Tyler, Vern A., Oklahoma City, Okla. Liquid fuel meter. 2,600,032, June 10.

Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.

Underwood Corporation, assignee: *See*—
Brink, Herbert S.
Von Hacht, William H.

Union Oil Company of California, assignee: *See*—
Fischer, Paul W.

Union Wadding Company, assignee: *See*—
Axworthy, Charles G.

United Aircraft Corporation, assignee: *See*—
Buivid, Michel D., and Alex.
Conwell, Charles B.
Fox, Samuel S., and Talbot.

United Shoe Machinery Corporation, assignee: *See*—
Knowlton, Norwood H.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Backus, John G.
Kerns, Quentin A.
Kanne, William R.
St. John, Erceil E.
Schlesinger, Hermann I., and Brown.
Sheft, Irving, and Fried.

United States Envelope Company: *See*—
Heywood, Vincent E.

United States Rubber Company, assignee: *See*—
Ewart, Elliott S.
Meyer, Albert W., and Hermonat.
Romeyn, Hendrik, Jr., and Petras.

United States Steel Company, assignee: *See*—
Hodge, Abram L.

United States Steel Company, assignee: *See*—
Kratzenberg, Edwin J.
Scherba, George J.

Universal Match Corporation, assignee: *See*—
Hommel, Theodore.

Universal Oil Products Company, assignee: *See*—
Chenicek, Joseph A., and Glelm.

Usher-Walker Limited, assignee: *See*—
Hoffmeister, Hubert G., and Soane.

Van Dyk, John C., assignor to The Product Developers, Inc., Bernardsville, N. J. Treatment of wines and like materials for their clarification. 2,600,085, June 10.

Van Meter, Clarence T., Arlington, assignor to Reed & Carnrick, Jersey City, N. J. Androgenic composition. 2,600,344, June 10.

Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron-discharge tube. 2,600,142, June 10.

Van Overbeek, Johannes: *See*—
Blondeau, René, van Overbeek, and Whetstone.

Van Winkle, John L.: *See*—
Ballard, Seaver A., Morris, and Van Winkle.

Varwig, Frederick W.: *See*—
Spiller, William R., and Varwig.

Vastano, Frederick A., Glen Rock, assignor of one-half to A. W. Vibber, Ridgewood, N. J. Container closure. 2,600,086, June 10.

Vaughn, Sidney P., San Diego, Calif. Cellulose sponge yarn. 2,600,143, June 10.

Veeder, Harry, Great Neck, N. Y. Ribbon or the like. 2,599,674, June 10.

Vendall Company, assignee: *See*—
Hancock, David, Jr.

Venditti, Francis A., Baltimore, Md. Toothbrush and article holder. 2,600,345, June 10.

Venturelli, Giovanni A.: *See*—
Camnasio, Carlo, Venturelli, and Colalupo.

Verbeek, Leo H.: *See*—
Keukens, Hubertus P., and Verbeek.

Verwaltunzsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, assignee: *See*—
Lippert Hanns.

Vibber, Alfred W., assignee: *See*—
Vastano, Frederick A.

Vickers-Armstrongs Limited, assignee: *See*—
Fuller, Milford E.

Vogel Manufacturing Company, The, assignee: *See*—
Vogel, Rudolf.

Vogel, Rudolf, assignor to The Vogel Manufacturing Company, Bridgeport, Conn. Combined container and spreading device for bobby pins. 2,600,087, June 10.

Volterra, Renzo U., assignor to Metals & Controls Corporation, Attleboro, Mass. Electrical contact. 2,600,175, June 10.
Voiz, Philip E., Florham Park, N. J., assignor to Radio Corporation of America. Tone keyer. 2,599,675, June 10.
Von Hacht, William H., Bronxville, assignor to Underwood Corporation, New York, N. Y. Line spacing platen for flat-bed typewriting machines. 2,600,346, June 10.
Von Hofen, Edward L., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Head spacing mechanism. 2,600,285, June 10.
Von Liedtke, Rudolph H., Chicago, Ill., assignor, by mesne assignments, to McGraw Electric Company. Tube and making the same. 2,599,878, June 10.
Von Sprecher, Hans: *See*—
Matter, Max, and von Sprecher.
Vrâga, Frantisek: *See*—
Šlampa, Vavřín, Čepelák, and Vrâga.
Wachsman, Jacob, Brooklyn, N. Y. Stop motion mechanism for knitting machines. 2,599,595, June 10.
Wachtl, Carl: *See*—
Hartauch, Paul J., and Wachtl.
Wagener, Lyndon L.: *See*—
Hanson, Frank D., Parker, and Wagener.
Wagner Electric Corporation, assignee: *See*—
Welchsel, Hans.
Wagner, Reinhard P., Spokane, Wash. Bolt holding pliers. 2,599,676, June 10.
Wagner, Robert W., Chelsea, Mich. Power takeoff. 2,600,347, June 10.
Waguespack, Frumence, Burnside, La. Loader. 2,599,677, June 10.
Walker, Daniel N., Ashby Parva, near Rugby, assignor to Power Jets (Research & Development) Limited, London, England. Exhaust induced cooling system for gas turbines. 2,599,879, June 10.
Walker Manufacturing Company of Wisconsin, assignee: *See*—
Powers, Walter H.
Walker, Neville E., Portland, Oreg. Miniature airplane with balancing weight. 2,599,957, June 10.
Walker, Walter, Short Hills, N. J. Spraying apparatus. 2,599,678, June 10.
Walklet, Mercer D., assignor to The Hamlin Metal Products Company, Akron, Ohio. Toy wheel and making. 2,600,033, June 10.
Wallace, Charles F., Westfield, and J. O. Kirwan, Bloomfield, assignors to Wallace & Tiernan Products, Inc., Belleville, N. J. Absolute pressure controlling apparatus. 2,599,956, June 10.
Wallace & Tiernan Products, Inc., assignee: *See*—
Wallace, Charles F., and Kirwan.
Wallis, Grover, assignor of one-half to G. Miles, Fort Worth, Tex. Fire hose samson. 2,599,958, June 10.
Wallsgrove, Eric R.: *See*—
Carpenter, Albert S., and Wallsgrove.
Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool control. 2,599,679, June 10.
Walthers, Earle R., Schenectady, N. Y., assignor to General Electric Company. Two-stage hydraulic control valve. 2,600,348, June 10.
War, United States of America as represented by the Secretary of: *See*—
Alford, Andrew.
Banos, Alfredo, Jr.
Bell, Persa R., Jr., and Gale.
Cole, Addison D.
Ehrenfried, Albert D.
McConnell, Robert A.
Park, David A.
Proctor, Warren G.
Sagalyn, Paul L.
Schneider, Edwin G.
Sichak, William.
Ward, Delbert J., Burbank, Calif. Motor analyzer. 2,600,088, June 10.
Warner, Archibald A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Sprag type clutch. 2,599,793, June 10.
Warner, Donald T.: *See*—
Moe, Owen A., and Warner.
Warner, Robert W.: *See*—
Gottschalk, Roland A., and Warner.
Warner and Swasey Company, The, assignee: *See*—
Darash, Nicholas P.
Whewell, Robert, Jr.
Watervliet Paper Company, assignee: *See*—
Miller, Huguenin.
Watson, Henry G., Camberwell, Victoria, assignor to Stocklock Proprietary Limited, Melbourne, Victoria, Australia. Remote-controlled plural registering apparatus. 2,600,144, June 10.
Watson, John, assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Die holder cap. 2,600,349, June 10.
Webber, William C., New Malden, England, assignor to Shell Development Company, San Francisco, Calif. Lubricating compositions. 2,599,794, June 10.
Webster, Charles J., Rosherville, Northfleet, W. E. Anson, Northfleet, assignors to Messrs. Joseph Broughton and Son (Engineers) Limited, Birmingham, England. Bolt for locks. 2,600,350, June 10.
Webster, Edward, Parkstone, England. Charging tubular containers with materials. 2,599,959, June 10.
Weeks, Walter L., Wyckoff, N. J., assignor to Curtiss-Wright Corporation. Liquid distributing system. 2,599,680, June 10.
Weichsel, Hans, Webster Groves, assignor to Wagner Electric Corporation, St. Louis, Mo. Apparatus for testing dynamoelectric armatures. 2,599,960, June 10.
Weidner, Charles L.: *See*—
Morris, Vlon N., Weidner, and Eger.
Weigand, Sylvester A.: *See*—
Bolton, John W., and Weigand.
Weiland, Clarence H., assignor to The Bell Machine Company, Oshkosh, Wis. Drill bit. 2,600,286, June 10.
Weingart, Richard I. N., New York, N. Y. Method and apparatus for applying heat in hot machining processes. 2,600,034, June 10.
Weiss, Karl, Melrose Park, Pa. Hydrometer. 2,600,035, June 10.
Wells, A., & Company Limited, assignee: *See*—
Barber, William E., and Cole.
Wells, David F., Westport, R. B. Thompson, Wilton, and E. J. Roberts, Westport, Conn., assignors to The Dorr Company (Inc.), New York, N. Y. Volatilization of tin values of tin ores. 2,600,351, June 10.
Wells, Horace P., South Bend, Ind. Carving board unit. 2,599,681, June 10.
Wernlund, Christian J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bright zinc electroplating. 2,600,352, June 10.
Wertepny, Alexander W., and R. J., assignors of sixty per cent to S. A., and E. M. Wertepny and B. Luscalzo, Chicago, Ill. Pinking shears. 2,600,036, June 10.
Wertepny, Edward M., assignee: *See*—
Wertepny, Alexander W., and R. J.
Wertepny, Rudolph J.: *See*—
Wertepny, Alexander W., and R. J.
Wertepny, Stanley A., assignee: *See*—
Wertepny, Alexander W., and R. J.
West, Allen, and Company Limited, assignee: *See*—
Pavitt, Frederick J.
West Bend Aluminum Co., assignee: *See*—
Kraemer, Elmore A., and Finch.
West, Paul B., Saco, Maine, assigner to Saco-Lowell Shops, Boston, Mass. Baller. 2,600,037, June 10.
Westcamp, Leslie L., Fair Oaks, Calif. Drawing easel. 2,600,145, June 10.
Western Electric Company, Incorporated, assignee: *See*—
Cox, Thomas K.
Krebs, John, Jr.
Linsley, John W., Jr.
Western Newell Mfg. Co., assignee: *See*—
Hagen, Roger.
Westinghouse Electric Corporation, assignee: *See*—
Ballard, Lyttleton W.
Boyer, John L., and Slepian.
Carleton, James T.
Cushing, George B.
Dorfman, Hillier D., and Freese.
Harmon, Ralph N., and Lee.
Kovalsky, Joseph F.
Lund, Alvin O., and Enselman.
Mershon, Clarence L.
Nagel, George W.
Potter, Manley C.
Stadum, Clarence B.
Whaley, John W., assignor to Crawford Manufacturing Co., Inc., Richmond, Va. Conveyer system. 2,600,038, June 10.
Whaley, Thomas H., Jr., Mount Vernon, N. Y., assignor to Phillips Petroleum Company. Dual phase control. 2,600,039, June 10.
Whetstone, Richard R.: *See*—
Blondeau, René, Van Overbeek and Whetstone.
Whewell, Robert, Jr., assignor to The Warner & Swasey Company, Cleveland, Ohio. Shuttle cleaner. 2,599,731, June 10.
White, David, Company, assignee: *See*—
Rothweller, Charles.
White, Edwin H., Baltimore, Md. Abrading unit. 2,599,961, June 10.
White, Joseph H., Ashaway, R. I. Fluid control mechanism for driving winding machines. 2,599,795, June 10.
Whitman, Harlan M., West Hartford, assignor to Curtis 1000, Incorporated, Hartford, Conn. Envelope. 2,600,146, June 10.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Closure construction for refrigerator cabinets. 2,599,732, June 10.
Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Hermetic sealing means between inner and outer casings of refrigerator cabinets. 2,599,733, June 10.
Wicking, Reginald W. H., assignee: *See*—
Evans, Edward M., and Wicking.
Wicklander, Anders E., Nynashamn, Sweden. Means for the extinction of fire in tanks for combustible liquids. 2,599,796, June 10.

Wicklatz, John E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of haloalkane sulfonates and toluidine derivatives thereof. 2,600,287, June 10.
Widmayer, John J., Chevy Chase, Md. Air gun for applying plaster. 2,600,040, June 10.
Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Vibration isolator. 2,600,353, June 10.
Wildhaber, Ernest, Brighton, N. Y. Universal joint. 2,599,596, June 10.
Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Unitary hammer spring and trigger spring for firearms. 2,600,176, June 10.
Williams, Harry E., assignor to Williams Patent Corporation, Chicago, Ill. Tone arm moving and latching mechanism. 2,599,963, June 10.
Williams Patent Corporation, assignee: *See*—
Williams, Harry E.
Williford, James K., Hickory, Miss. Debarking machine having staggered flail-carrying drums for broadside attack on rotating logs. 2,599,962, June 10.
Wilson, Eugene D., Memphis, Tenn. Vertical lumber separator. 2,600,147, June 10.
Wilson, Hiram P., Mabton, Wash. Double knothead twiner. 2,599,597, June 10.
Wilson, Joseph G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Method and device for sensing speed with pressure output. 2,599,797, June 10.
Wilson, Merrideth D., Patton Township, Allegheny County, Pa. Power transmission mechanism. 2,599,880, June 10.
Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,600,368, June 10.
Winner, Inc., assignee: *See*—
Fanning, Ralph R.
Winslow, Charles A., W. G. Nostrand and L. L. Moore, assignors to Winslow Engineering Co., Oakland, Calif. Filter. 2,599,734, June 10.
Winslow Engineering Co., assignee: *See*—
Winslow, Charles A., Nostrand and Moore.
Winterbottom, Robert: *See*—
Stansly, Philip G., Shepherd and Winterbottom.
Wirkkala, Oscar A., Seattle, Wash., assignor to Wirkkala Propeller Sales, Inc. Propeller. 2,599,598, June 10.
Wirkkala Propeller Sales, Inc., assignee: *See*—
Wirkkala, Oscar A.
Wirtel, Arthur F., and E. Knoesel, Glendale, Mo. Method, apparatus for making coffee beverages. 2,599,682, June 10.
Wiss, John E., Columbus, Ohio. Composition for forming flexible molding patterns. 2,600,354, June 10.
Wissel, Francis A., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Linearity control circuit for television receivers. 2,599,798, June 10.
Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Ethers of polymerized epihalohydrin 2,599,799, June 10.
Wittlin, Albert, Chicago, Ill. Liquid circulation indicator. 2,600,148, June 10
Wixon, Paul E., Reisterstown, and C. E. Chapman, Baltimore, Md., assignors to J. Shapiro. Bottom expander. 2,600,355, June 10.
Wolfe, Raymond E., Beaver, Pa., assignor to The Fairfield Paper and Container Company, Baltimore, Ohio. Shipping and carry-out carton. 2,599,800, June 10.
Wood, James R., assignor to Harris-Seybold Company, Cleveland, Ohio. Sheet feeder. 2,600,356, June 10.
Woodbury, Roger B., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Stabilized frequency divider circuit. 2,599,964, June 10.
Woodruff, William N., Cincinnati, Ohio, assignor to Herschede Hall Clock Company. Parking meter. 2,599,881, June 10.
Woodward, Raymond T. C.: *See*—
Morrison, John L. M., Woodward, Peel, and Greaves.
Woynar, Basil, Chicago, Ill., assignor to Combustion Engineering-Superheater, Inc. Steam generator. 2,599,735, June 10.
Wright, Elvin S., Shrewsbury, Mass. Apparatus for severing and bursting a continuous multiform. 2,600,041, June 10.
Wright, Elvin S., Shrewsbury, Mass. Apparatus for bursting a continuous multiform set of sheets. 2,600,042, June 10.
Wyandotte Chemicals Corporation, assignee: *See*—
Conklin, Dwight B.
Yonkers, Edward H., assignor to Joslyn Mfg. and Supply Company, Chicago, Ill. Protective system. 2,600,149, June 10.
York Corporation, assignee: *See*—
Moore, Paul B.
Young, Fred M., assignor to Young Radiator, Racine, Wis. Heat exchange unit. 2,599,965, June 10.
Young Radiator, assignee: *See*—
Brinen, Paul F.
Young, Fred M.
Youngren, Harold T., Birmingham, Mich., and S. V. Hettinger, Jr., Westchester, assignors to Borg-Warner Corporation, Chicago, Ill. Double countershaft transmission. 2,599,801, June 10.
Yzetta, Ernesto N., Buenos Aires, Argentina. Rotary horizontal file. 2,599,802, June 10.
Zachary, Alexis, New York, N. Y. Magnetic extractor. 2,599,966, June 10.
Ziems, Elmer A.: *See*—
Reaser, William A., Ziems, and Christman.
Zimet, Jack J., Rock Island, Ill. Portable fence. 2,599,967, June 10.
Zimic, Michael, New York, and A. Miskovsky, Deer Park, N. Y.; said Miskovsky assignor to said Zimic. Knitting machine. 2,600,369, June 10.
Zimmerman, Charles E., Globe, Ariz., assignor to Inspiration Consolidated Copper Company. Apparatus for closing dump car doors. 2,600,357, June 10.
Zink, William L.: *See*—
Hill, Stanley E., and Zink.
Zollman, Leopold: *See*—
Kronhaus, Semen, and Zollman.
Zylstra, Paul, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency stabilizing apparatus. 2,600,288, June 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Machine and method for applying labels to articles on a conveyer. G. W. von Hofe. Re. 23,512, June 10.
Photographic paper, Making. E. Jahoda. Re. 23,510, June 10.
Stress breaker. S. E. Noyes. Re. 23,511, June 10.

LIST OF PLANT INVENTIONS

Ivy plant. W. S. Hahn. 1,102, June 10.
Rose plant. J. A. Armstrong. 1,104, June 10.
Rose plant. H. C. Swim. 1,103, June 10.

LIST OF DESIGN INVENTIONS

Ash tray. B. Blecher. 166,947, June 10.
Ash tray, Glass. L. Poglein. 166,994, June 10.
Backsplasher and top for electric ranges, Combined. R. B. Janes. 166,967, June 10.
Bell and bottle cap remover, Combined. S. S. Sarna. 167,005, June 10.
Bookmark. S. G. Zaccone. 167,016, June 10.
Boot. G. H. Bingham, Jr. 166,945, June 10.
Bottle. E. Rachlins. 166,996–7, June 10.
Bottle or similar article. E. Rachlins. 166,995, June 10.
Bowl or similar article, Plywood. H. Ambellan. 166,940, June 10.
Box, Watch. M. Weill. 167,014, June 10.
Bracelet or the like. A. Katz. 166,976, June 10.
Bracelet or the like. A. Katz. 166,978, June 10.
Brooch or the like. A. Katz. 166,969–75, June 10.
Brooch or the like. A. Katz. 166,980, June 10.
Chain for a bracelet or the like, Expansible. W. C. Boots. 166,948, June 10.
Chair, Deck. R. A. O'Neill. 166,990, June 10.
Chair, Lounge. J. F. Laskowitz. 166,983, June 10.
Clockcase. R. L. Thompson. 167,010, June 10.
Clock, World. W. H. Clarke. 166,952, June 10.
Comb or similar article. L. Kahn. 166,968, June 10.
Cover, Fry pan. H. G. Fornoff. 166,959, June 10.
Dispenser, Liquid. R. C. Old. 166,989, June 10.
Earring or the like. A. Katz. 166,977, June 10.
Earring or the like. A. Katz. 166,979, June 10.
Embroidered eyelet trimming, Narrow. W. Hailbauer. 166,963–4, June 10.
Fabric or similar article of manufacture, Textile. L. Appleton. 166,941, June 10.
Fishing line sinker. R. E. Lawrence. 166,984, June 10.
Food product, Molded. L. Peters. 166,992, June 10.
Game apparatus for the spelling of words. W. S. Brodes. 166,949, June 10.
Game board or the like. J. A. Waer. 167,011, June 10.
Goblet, Glass. W. A. Wood. 167,015, June 10.
Golf club cart. W. B. Clarke. 166,953, June 10.
Holder, Cigarette. I. Florman. 166,958, June 10.
Lamp. L. Christy. 166,951, June 10.
Lamp base, Table. S. G. Goforth, Sr., and S. G. Goforth, Jr. 166,962, June 10.
Lamp for sewing machines. A. Lordo. 166,986, June 10.
Lantern, Side mounted. E. R. Huegel. 166,966, June 10.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 166,999, June 10.
Love seat, lounge, and bed, Combination. R. N. Eisendrath. 166,954, June 10.
Moccasin. V. G. Spilman. 167,008, June 10.
Motion-picture projector. F. G. Knowles. 166,981, June 10.
Necklace or the like. A. Philippe. 166,993, June 10.
Ornament for spectacle frame parts. V. Errico, H. Berman, and D. Lofrese. 166,956, June 10.
Partitioning device for automobile glove compartment. P. Ershler. 166,957, June 10.
Pillow case. R. Bryant. 166,950, June 10.
Place mat or similar article. K. C. Hamilton. 166,965, June 10.
Plaque or similar article, Wall. J. M. Black. 166,946, June 10.
Puppet. W. B. and H. C. Bartner. 166,942, June 10.
Receptacle for ashes, eggs, pins, and the like. F. E. Rogers. 167,000, June 10.
Receptacle, Plant root. A. Tersini. 167,009, June 10.
Rocker or similar article, Child's. J. Giglio. 166,961, June 10.
Spectacle frame or similar article. V. Errico, H. Berman, and D. Lofrese. 166,955, June 10.
Spoon or similar article. A. J. Germain. 166,960, June 10.
Spoon or similar article. W. Lafferty. 166,982, June 10.
Spoon or similar article. W. S. Warren. 167,012–13, June 10.
Stand or similar article, Television. R. Rasmussen. 166,998, June 10.
Standard for motion-picture projectors or the like. P. Muller-Munk. 166,988, June 10.
Stapling hammer or the like. W. R. Beckman and C. E. Crooks. 166,944, June 10.
Stocking. J. A. Beck. 166,943, June 10.
Stocking. H. G. Linder. 166,985, June 10.
Stocking. S. D. Sanson. 167,004, June 10.
Stocking. L. W. Zylberberg. 167,017, June 10.
Stocking, Lady's. F. K. Rosen. 167,001, June 10.
Table unit. R. H. Ovendale. 166,991, June 10.
Toy figure for a construction game or the like, Separable. W. H. Schaper. 167,006, June 10.
Trailer coach. H. L. Spencer. 167,007, June 10.
Vacuum cleaner casing. E. P. Russell. 167,002–3, June 10.
Wind deflector. H. L. Miller. 166,987, June 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading unit. E. H. White. 2,599,961, June 10.
Absolute pressure controlling apparatus. C. F. Wallace and J. O. Kirwan. 2,599,956, June 10.
Absorbent body for electromagnetic waves. W. W. Salisbury. 2,599,944, June 10.
Absorbing ice pressure. J. F. Feck. 2,600,103, June 10.
Absorption refrigeration apparatus. W. G. Kögel. 2,599,562, June 10.
Accounting sheet. F. W. Trumbull and R. C. Howard. 2,599,673, June 10.
Acetylene solution. L. Lorenz. 2,599,649, June 10.
Acid shampoo. A. W. Stephan. 2,599,665, June 10.
Actuating mechanism for direction indicating signal for motor vehicles. F. F. Stube. 2,600,030, June 10.
Adhesive sheet or tape. V. N. Morris, C. L. Weidner, and L. W. Eger. 2,599,576, June 10.
Adjustable bladed impeller. A. Cornillon. 2,600,097, June 10.
Adjustable bolt-holding wrench. F. G. Davis. 2,600,214, June 10.
Adjustable carrier device. C. S. Griffin. 2,599,824, June 10.
Adjustable vehicle seat. S. Kronhaus and L. Zollman. 2,600,005, June 10.
Adjusting ophthalmic mountings. E. M. Splaine. 2,599,789, June 10.
Aerial map projection method and apparatus for making same. H. Pennington, Jr. 2,600,261, June 10.
Ageing and polymerizing impure methyl vinyl ketone. R. E. Davies. 2,599,616, June 10.
Air circulation control. A. G. Janos. 2,600,297, June 10.
Air cleaning intake for gas turbines and other internal-combustion engines. J. Kinsella. 2,600,302, June 10.
Air conditioner. P. B. Moore. 2,600,316, June 10.
Aircraft rocket launcher. P. F. Hurt. 2,599,555, June 10.
Air gun for applying plaster. J. J. Widmayer. 2,600,040, June 10.
Alarm, Closed circuit fire and burglar. H. G. Forrester. 2,599,623, June 10.
Alkaline pulping of preimpregnated deciduous wood. H. Miller. 2,599,572, June 10.
Alkylene polyamine methylene phosphonic acids. F. C. Bersworth. 2,599,807, June 10.
Alloy: *See*—
Lead base alloy.
Alpha-carbalkoxyalkyl methacrylates, Production of. C. H. Fisher, E. M. Filachione, and M. L. Fein. 2,599,549, June 10.
Alternating current measurement bridge. W. H. Tucker. 2,600,342, June 10.
Amplifier, Voltage selective. O. L. MacSorley. 2,600,120, June 10.
Androgenic composition. C. T. Van Meter. 2,600,344, June 10.
Animated pictures, Producing. E. Gillette. 2,599,624, June 10.
Annunciator system. H. E. Seaton. 2,600,132, June 10.
Antenna. W. Sichak. 2,600,274, June 10.
Antenna, Dielectrically wedged biconical. J. W. Clark and N. J. Gamara. 2,599,896, June 10.
Antenna, Short wave. W. S. Erwin. 2,599,705, June 10.
Antenna, Split cylinder. A. Alford. 2,600,179, June 10.
Antenna system, Directive. W. E. Kock. 2,599,763, June 10.
Anti-detonant injection control apparatus for internal-combustion engines. S. S. Fox and R. B. Talbot. 2,599,985, June 10.
Antioxidant. W. H. Brugmann, Jr. 2,600,154, June 10.
Antivibration mounting device. W. E. Barber and J. O. Cole. 2,600,090, June 10.
Apparatus and method for measuring the velocity of fluids. P. G. Carpenter. 2,599,975, June 10.
Apparatus for advancing strands. S. W. Barker. 2,599,603, June 10.
Apparatus for affixing conducting tap straps to paper mounting strips. E. A. Raney. 2,600,322, June 10.
Apparatus for annealing annular coils of sheet metal. C. Cone. 2,600,094, June 10.
Apparatus for bursting a continuous multiform set of sheets. E. S. Wright. 2,600,042, June 10.
Apparatus for cleaning filter screens. J. F. King, Jr. 2,599,842, June 10.
Apparatus for closing dump car doors. C. E. Zimmerman. 2,600,357, June 10.
Apparatus for distributing and drying uniform interior coatings in collapsible tubes. F. Remington and R. A. Tartaglia. 2,599,721, June 10.
Apparatus for driving wedges in armature slots. W. L. Evans. 2,599,818, June 10.
Apparatus for feeding candy bars. S. C. Petrilli. 2,599,937, June 10.
Apparatus for forming enclosed blanket insulation strips. L. M. Gilman. 2,599,625, June 10.
Apparatus for inking ribbons. J. P. Knight. 2,599,561, June 10.
Apparatus for inserting supplementary sheets in newspapers and the like. R. F. W. Tranter. 2,600,284, June 10.
Apparatus for maintaining alignment of traveling belts. A. G. Selfried. 2,600,273, June 10.
Apparatus for measuring phase difference of periodic waves. H. A. Poole, Jr. 2,599,861, June 10.
Apparatus for milling fabrics. E. B. Bates. 2,599,804, June 10.
Apparatus for modifying thermostat operation. G. McLarty. 2,599,569, June 10.
Apparatus for producing a stream of electrically charged multimolecular particles. C. H. Richards. 2,600,129, June 10.
Apparatus for removing the outer layers from hard kerneled grains. R. H. Brown. 2,599,892, June 10.
Apparatus for severing and bursting a continuous multiform. E. S. Wright. 2,600,041, June 10.
Apparatus for severing plastic bodies. P. Jakobsson and W. Sebardt. 2,599,920, June 10.
Apparatus for testing dynamoelectric armatures. H. Weichsel. 2,599,960, June 10.
Apparatus for tumbling rubber articles. W. J. Strong. 2,600,282, June 10.
Applying heat in hot machining processes, Method and apparatus for. R. I. N. Weingart. 2,600,034, June 10.
Applying lace and like ornamental edging to boxes. M. E. Fuller. 2,600,105, June 10.
Armature winding machine. C. P. Starfield. 2,599,875, June 10.
Arranging the parts of a liquid dispensing system for determining the amount of liquid withdrawn therefrom, Method of and apparatus for. J. F. Ketterer. 2,599,560, June 10.
Arsenic activated zinc sulfide phosphor and making same. J. S. Prener. 2,600,263, June 10.
Article dispensing and conveying system. P. M. Farmer. 2,599,907, June 10.
Article dispensing and distributing system. P. M. Farmer. 2,599,906, June 10.
Article feeding device for wrapping machines. F. H. Murphy. 2,599,932, June 10.
Article lowering and loading device. G. W. Sower and H. J. Meyfarth. 2,600,135, June 10.
Attachment for dual pedal control for automobiles. P. A. Ostrow. 2,599,656, June 10.
Audible leveling means for cameras and other devices. G. J. Morris. 2,600,363, June 10.
Auto-loading self-propelled dumping vehicle. G. H. Kandoll. 2,599,838, June 10.
Automatic cutter sharpening machine. S. M. Ransome. 2,600,323, June 10.
Automatic electrode structure assembling means. T. H. Schelling. 2,600,076, June 10.
Automatic shakeout device for tight flask molds. A. C. Christensen. 2,600,206, June 10.
Automatic speed-synchronizing mechanism for twin engines. W. E. Benua. 2,599,885, June 10.
Automatic tare catcher. E. C. Romine and B. Montegna. 2,600,329, June 10.
Awning, Foldable metal. N. L. Etten. 2,600,228–30, June 10.
Awning, Folding side and top. N. L. Etten. 2,600,227, June 10.
Baby chair. E. H. and C. M. Clairmonte. 2,599,610, June 10.
Back stand for rolls of paper. B. E. Prevost. 2,599,720, June 10.
Bag: *See*—
Biased balling bag.
Bag bottom structure. H. E. McCrery and A. E. Jesser. 2,599,567, June 10.
Bait holder. R. F. Miner. 2,600,314, June 10.
Bakery products and process thereof, Packaged. M. R. Coe. 2,600,093, June 10.
Baking chamber. J. Henry. 2,600,294, June 10.
Balanced fluid pressure regulating valve. C. A. Norgren. 2,599,577, June 10.
Bale-loading machine. S. T. Steffen. 2,600,028, June 10.

Ball bearing. R. Bajulaz. 2,599,969, June 10.
Baller. P. B. West. 2,600,037, June 10.
Barrette. C. C. Holden. 2,599,916, June 10.
Base for portable domestic ovens. E. A. Kraemer and L. E. Finch. 2,599,923, June 10.
Bearing: *See*—
Ball bearing.
Hardened self-lubricating radial and thrust bearing.
Bed leveler for funeral cars and the like. E. L. Burnett. 2,600,047, June 10.
Beverage appliance. R. H. Hucknall. 2,599,919, June 10.
Biased balling bag. H. B. Katz. 2,600,300, June 10.
Bit: *See*—
Drill bit.
Well-drilling bit.
Block: *See*—
Splicing block.
Blade coupling attachment for tractors. R. J. Harper. 2,600,244, June 10.
Boatloading device for automobile tops. A. H. Sumner. 2,600,082, June 10.
Bobby pin holder and spreader, Wrist-type. W. A. Buelow. 2,600,092, June 10.
Bolt for locks. C. J. Webster and W. E. Anson. 2,600,350, June 10.
Bolt lock. H. A. Carlson. 2,599,691, June 10.
Bottle cap lifter with pivoted arms. D. Acard. 2,599,968, June 10.
Bottle capping machine. G. E. Ford. 2,599,820, June 10.
Bottle carrier. T. Schmidt. 2,599,787, June 10.
Bottle for babies, Disposable feeding. E. Hair. 2,599,630, June 10.
Bottom dumping container. G. R. Dempster. 2,599,618, June 10.
Bottom expander. P. E. Wixon and C. E. Chapman. 2,600,355, June 10.
Bowling game device, Simulated. L. A. Durant. 2,599,902, June 10.
Bowling pin support and latch therefor, Movable simulated. L. A. Durant and M. J. Binks. 2,599,903, June 10.
Bracelet. C. Feld. 2,600,232, June 10.
Brewing apparatus. F. N. Cronholm. 2,599,812, June 10.
Bricklaying machine. E. L. Harney. 2,599,552, June 10.
Bright zinc electroplating. C. J. Wernlund. 2,600,352, June 10.
Broiler, Portable. H. W. Foley. 2,600,234, June 10.
Brooder, Bee. T. Bennett. 2,600,194, June 10.
Brush, Portable water operated rotary cleaning. E. Haines. 2,599,911, June 10.
Buffing. B. P. Sax. 2,599,785, June 10.
Bumper for motor vehicles. A. A. Lopes and A. Marmo. 2,600,060, June 10.
Burner: *See*—
Ribbon-type gas burner.
Burner for brooders and the like, Vaporizing type oil. J. T. Landgraf. 2,599,563, June 10.
Cabinet: *See*—
Collapsible cabinet.
Cabinet with rotatable means for advertising display, Illuminated. J. Chrastina. 2,600,157, June 10.
Cable connector. M. D. Bergan. 2,600,371, June 10.
Cable with spiral spacer, Coaxial. H. D. Isenberg. 2,600,111, June 10.
Caesium electric discharge device. A. W. Hull. 2,600,246, June 10.
Cam actuated bag closure mechanism. F. Ames. 2,599,738, June 10.
Cap: *See*—
Die holder cap.
Cap feeding mechanism. E. A. Tesch, Jr. 2,600,138, June 10.
Capacitance meter. H. N. Beveridge. 2,599,528, June 10.
Capsule drying and burnishing method. F. E. Stirn and A. S. Taylor. 2,600,367, June 10.
Car: *See*—
Railway car.
Carbo-polymerization homopolymers of unsaturated alcohol ethers of glycidols and their homologs. T. W. Evans and E. C. Shokal. 2,599,817, June 10.
Carbon black. W. C. Ekholm. 2,599,981, June 10.
Carboxymethyl ethers. W. F. Filbert. 2,599,620, June 10.
Carrier: *See*—
Bottle carrier.
Carton, Egg. R. M. Schilling. 2,600,130, June 10.
Carton, Inner lined folding. H. Gottesman. 2,599,708, June 10.
Carton, Shipping and carry-out. R. E. Wolfe. 2,599,800, June 10.
Cartridge positioner. J. C. Elms. 2,599,546, June 10.
Carving board unit. H. P. Wells. 2,599,681, June 10.
Cathode-ray tube. R. B. Barnes. 2,599,739, June 10.
Cavity resonator. A. Banos, Jr. 2,600,186, June 10.
Cellulose ester manufacture. J. C. Thomas. 2,600,031, June 10.
Cellulose sponge yarn. S. P. Vaughn. 2,600,143, June 10.
Cements for attaching shoe soles. J. L. Perkins and E. E. Sylvester. 2,599,581, June 10.
Center gauge. S. Fisher. 2,599,819, June 10.
Centering and sealing device for floating tank roofs. A. H. Graham. 2,600,237, June 10.
Centrifugal separation, Method and apparatus for. C. G. Eckers. 2,599,619, June 10.
Centrifugal separator. G. A. Milliken. 2,600,372, June 10.
Chain: *See*—
Conveyer chain.
Reversible mining chain.
Chair: *See*—
Baby chair.
Folding metal deck chair.
Charge forming device. A. H. Winkler. 2,600,368, June 10.
Charging device for kilns. A. T. Grisenthwaite and G. H. I. Cruse. 2,600,053, June 10.
Charging tubular containers with materials. E. Webster. 2,599,959, June 10.
Check stand for grocery stores and the like. W. L. George. 2,599,909, June 10.
Choledochoscope. R. R. Rosenbaum. 2,599,662, June 10.
Chrome-magnesia refractories. R. J. Magri, Jr. 2,599,566, June 10.
Circuit: *See*—
Frequency discriminator circuit.
Stabilized control circuit.
Microsecond delay circuit.
Stabilized frequency divider circuit.
Circuit arrangement, Piezoelectric crystal. W. S. Mortley. 2,600,124, June 10.
Circuit breaker. Automobile battery. R. D. Hutton. 2,599,637, June 10.
Circuit for producing coding pulses, Electrical. P. L. Sagalyn. 2,600,268, June 10.
Circuit for television receivers, Linearity control. F. A. Wissel. 2,599,798, June 10.
Circuit interrupter. H. D. Dorfman and G. J. Freese. 2,600,223, June 10.
Circuit interrupter having finger contacts. G. B. Cushing. 2,600,211, June 10.
Circular cutting tool. E. M. Staples. 2,600,280, June 10.
Clamp: *See*—
Guard rail clamp.
Stabilized pipe repair clamp.
Solderless electrical conductor clamp.
Cleaner: *See*—
Shuttle cleaner.
Cleaning brush for threaded bolts and the like, Cagelike rotary. J. T. Starr. 2,600,338, June 10.
Cleansing method. E. Domingo. 2,600,221, June 10.
Clock. G. R. Smyth. 2,600,081, June 10.
Closure construction for refrigerator cabinets. H. W. Whitmore. 2,599,732, June 10.
Clothes drier. A. R. Constantine. 2,600,210, June 10.
Clothespin. M. C. Becker. 2,600,091, June 10.
Clutch: *See*—
Sprag type clutch.
Clutch finger tool. L. L. Erwin. 2,599,982, June 10.
Coin-actuated control switch. W. J. Summers. 2,599,953, June 10.
Coin tube and opener therefor. G. A. Hale. 2,599,812, June 10.
Collapsible cabinet. P. L. Du Boff and T. H. Dooley. 2,600,050, June 10.
Collapsible copy holder. S. Sattler. 2,599,784, June 10.
Collator. N. G. Hernblad. 2,599,829, June 10.
Commutator for dynamoelectric machines. D. R. Meier. 2,600,312, June 10.
Comparator circuit for moving target indication radar systems. P. R. Bell, Jr. and D. Gale. 2,600,193, June 10.
Compensated potential device circuits. J. T. Carleton. 2,600,204, June 10.
Composite article and making same. W. J. Doelker, Jr., and J. M. Hildabolt. 2,600,220, June 10.
Composition for forming flexible molding patterns. J. E. Wiss. 2,600,354, June 10.
Composition for sealing porous formations in oil and gas wells. J. G. Campbell and H. L. Twining. 2,599,745, June 10.
Computer, Course interception navigational. W. K. Ergen. 2,600,159, June 10.
Computer device for navigation systems and the like. J. A. Biggs, E. A. Heald, and F. L. Moseley. 2,599,889, June 10.
Computer, Geometrical. W. G. Proctor. 2,600,264, June 10.
Concrete form panel and clamp therefor. A. J. Harder. 2,600,362, June 10.
Condensation products of benzanthrone-Bz_1-carboxylic acid chloride and fluoranthene. W. Schmidt-Nickels. 2,600,364, June 10.
Conductive patterns, Making. C. M. Tuttle. 2,600,343, June 10.
Connector: *See*—
Cable connector.
Spade connector.
Electrical connector.
Construction of incubators for infants. B. C. Grieb. 2,600,240, June 10.
Container: *See*—
Bottom dumping container.
Stacking and nesting container.
Container and applicator, Paint. E. S. Braun. 2,600,197, June 10.
Container and spreading device for bobby pins, Combined. R. Vogel. 2,600,087, June 10.
Container closure. F. A. Vastano. 2,600,086, June 10.
Continuous clarifier. L. M. I. Rodriguez. 2,599,782, June 10

Control and resetting mechanism for fluid dispensing apparatus. I. C. Jacobs. 2,599,556, June 10.
Control mechanism for roll curve gear-cutting machines. A. A. Grossarth. 2,599,758, June 10.
Controlling and placing of radio-frequency heat in a dielectric. J. W. Mann and G. F. Russell. 2,599,850, June 10.
Convector core hanger. P. F. Brinen. 2,599,891, June 10.
Conversion of propylene polymers. L. F. Brooke. 2,599,743, June 10.
Conveyer chain. J. W. Sheehan. 2,600,174, June 10.
Conveyer for supporting conductors or cables in vulcanizing tubes, Endless. T. K. Cox. 2,599,746, June 10.
Conveyer having means to discharge refuse carried beneath the conveyer. L. H. Jones. 2,600,056, June 10.
Conveyer, Portable power-driven coal. H. B., and C. S. Phillips. 2,599,659, June 10.
Conveyer, Sheeted dough transfer. M. A. Sticelber. 2,600,281, June 10.
Conveyer system. J. W. Whaley. 2,600,038, June 10.
Copolymers of chlorotrifluoroethylene, and olefinic hydrocarbon and a vinyl carboxylate. R. M. Joyce, Jr. 2,599,640, June 10.
Cot, Folding. J. G. Fischer. 2,600,104, June 10.
Cotton roll holder. J. C. Kanter. 2,600,001, June 10.
Coupling: *See*—
Hydraulic line coupling.
Pipe coupling.
Coupling for fan mountings, Flexible. O. A. Sutton. 2,599,730, June 10.
Cover fastening means. H. M. Badger. 2,599,527, June 10.
Cover for pressure vessels. L. T. Pritchard. 2,600,021, June 10.
Crankcase ventilator filter. P. E. Diederich. 2,600,219, June 10.
Crib, Child's. T. A. Coccomo. 2,599,897, June 10.
Cross slide stop mechanism. N. P. Darash. 2,600,213, June 10.
Cup rack. M. S. Cooper and E. L. Berg. 2,600,096, June 10.
Current-limiting speed control apparatus. J. F. Kovalsky. 2,600,303, June 10.
Current meter. H. L. E. Dumas. 2,599,901, June 10.
Curtain, Shower. P. Blatt. 2,600,152, June 10.
Cutting device. Y. E. Merodian. 2,600,067, June 10.
Cutting machine. W. R. Spiller and F. W. Varwig. 2,599,591, June 10.
Cycle saddle support. R. W. Faulhaber. 2,600,101, June 10.
Cyclic adsorption process. C. J. Egan and J. W. Scott. 2,599,545, June 10.
Cylinder harrow, Self-cleaning power-driven. G. Kramer. 2,599,845, June 10.
Debarking machine having staggered flail-carrying drums for broadside attack on rotating logs. J. K. Williford. 2,599,962, June 10.
Defoliation of growing plants. T. R. Hansberry. 2,599,827, June 10.
Demountable electric audible device. E. J. Nicorvo. 2,600,070, June 10.
Demulsifying. C. M. Blair, Jr. 2,599,538, June 10.
Dental impression composition comprising a copolymer of vinyl chloride and vinyl acetate, di-normal propyl phthalate and a filler. F. J. Sowa and M. M. Schwartz. 2,600,134, June 10.
Deposition of material onto a mosaic screen through a stencil. J. D. McGee and W. E. Turk. 2,600,121, June 10.
Depository for clothing and the like, Coin-operated. D. J. Rourke, Jr., and F. G. Clark. 2,599,722, June 10.
Desizing agents and desizing baths. E. Schubert. 2,599,867, June 10.
Device for automatic power transmission. L. Saives. 2,600,269, June 10.
Device for dispensing material from collapsible tubes. C. Beijbom. 2,599,805, June 10.
Device for expanding piston packing. P. P. Lord. 2,600,061, June 10.
Device for forming bowed face plastic panels. J. A. Howenstine. 2,599,554, June 10.
Device for measuring and counting time intervals. J. W. Linsley, Jr. 2,599,766, June 10.
Device for measuring the change of strain in a solid medium. L. Obert and W. I. Duvall. 2,599,578, June 10.
Device for removing individual sheets from a stack. O. B. Meyers. 2,600,068, June 10.
Device to minimize interference between dial impulses in a carrier system. J. Ensink. 2,600,226, June 10.
Device utilizing erase head impedance to vary amplifier gain. L. J. Bobb. 2,600,046, June 10.
Diaryl-hydroxyalkyl-diamino compounds and preparation thereof. J. J. Denton and H. P. Schedl. 2,600,217, June 10.
Die: *See*—
Pulp molding die.
Die holder cap. J. Watson. 2,600,349, June 10.
Dimensional tolerance gauge. E. E. Johnson and H. A. Siefen. 2,599,835, June 10.
Diphenyl acetic acid-β-(N-cycloheptyl-methylamino)-ethyl ester and salts thereof. K. Hoffmann and M. Spillmann. 2,599,996, June 10.
Dipper blade for snuffbox covers, Extensible concealed. L. L. Schuh. 2,599,868, June 10.
Direct-current to alternating-current signal converter. E. E. St. John. 2,600,172, June 10.
Disintegratable top shot wads, Making. H. C. Russell and W. N. King. 2,599,943, June 10.
Disk harrow angling mechanism. J. F. Rude. 2,600,331, June 10.
Dispenser: *See*—
Electrical coin dispenser.
Mustard and catsup dispenser.
Lotion dispenser.
Distributing system for bituminous and like material. S. R. Etnyre. 2,599,704, June 10.
Domestic electric furnace. C. L. Ayers and W. M. Murray. 2,600,044, June 10.
Double countershaft transmission. H. T. Youngren and S. V. Hettinger, Jr. 2,599,801, June 10.
Double knothead twiner. H. P. Wilson. 2,599,597, June 10.
Doughnut former, Automatic. E. J. Roth. 2,600,075, June 10.
Draw bar control. E. T. Davis. 2,599,617, June 10.
Dredging machine, Hydraulic. H. K. Dunning. 2,599,980, June 10.
Drier: *See*—
Clothes drier.
Drill bit. C. H. Weiland. 2,600,286, June 10.
Drill hole magnetometer apparatus. A. A. Brant. 2,599,687, June 10.
Drilling fluids. P. W. Fischer. 2,599,752, June 10.
Drilling mechanism. W. F. Clark. 2,599,696, June 10.
Drum winding apparatus. F. L. Le Bus. 2,599,926, June 10.
Dual phase control. T. H. Whaley, Jr. 2,600,089, June 10.
Dual steam generating apparatus. S. Lafleur. 2,599,924, June 10.
Earring, Removable jewel. E. Postel. 2,600,319, June 10.
Easel, Drawing. L. L. Westcamp. 2,600,145, June 10.
Elastomer product. H. Romeyn, Jr., and J. F. Petras. 2,600,024, June 10.
Electric connector female member. H. W. Batcheller. 2,600,190, June 10.
Electric furnace. V. Rajtora. 2,599,779, June 10.
Electrical coin dispenser. L. Schlabach, Sr. 2,600,026, June 10.
Electrical connector. J. C. Macy. 2,600,012, June 10.
Electrical contact. R. U. Volterra. 2,600,175, June 10.
Electrical protective device. G. F. Lincks. 2,600,305, June 10.
Electrical switch mechanism. F. J. Pavitt. 2,599,657, June 10.
Electrical wiring, Making. A. M. Hathaway. 2,599,710, June 10.
Electrolytic bone decalcification process. M. Gelfand and I. M. Richman. 2,600,107, June 10.
Electromagnet with removable armature guide of hard material. C. R. Mikolic and G. D. Beling. 2,599,856, June 10.
Electron discharge device and associated circuit. A. C. Grimm and A. P. Sweet, Jr. 2,599,629, June 10.
Electron-discharge tube. A. J. W. M. van Overbeek. 2,600,142, June 10.
Electron emitter. H. Jacobs and G. Hees. 2,600,112, June 10.
Electronic stepping switch. A. M. Skellett. 2,599,949, June 10.
Electrophotographic plate. C. F. Carlson. 2,599,542, June 10.
Electrostatic seismometer. G. Peterson. 2,599,775, June 10.
Encapsulating substances, Method of and apparatus for. A. M. Donofrio. 2,600,222, June 10.
Engine: *See*—
Internal-combustion engine.
Entry guide for seamless tube plug rolling mills. A. F. Kritscher. 2,599,847, June 10.
Envelope. H. M. Whitman. 2,600,146, June 10.
Envelope, Dual-purpose. J. G. Kerr. 2,600,114, June 10.
Esters of polygalacturonic acid methylglycoside and salts thereof. J. Lee and L. Berger. 2,599,564, June 10.
Esters, Preparing. J. T. Hackmann. 2,600,054, June 10.
Etching process. P. J. Hartsuch and C. Wachtl. 2,599,914, June 10.
Ethers of polymerized epihalohydrin. H. Wittcoff. 2,599,799, June 10.
Exhaust induced cooling system for gas turbines. D. N. Walker. 2,599,879, June 10.
Extractor: *See*—
Magnetic extractor.
Fan, Enclosed oscillating. G. J. Reisch. 2,600,325, June 10.
Feeder: *See*—
Sheet feeder.
Feeding trough for hogs and the like. L. M. Kounkel. 2,599,844, June 10.
Fence, Portable. J. J. Zimel. 2,599,967, June 10.
Fertilizer and seed broadcasting apparatus. D. E. Jones. 2,600,167, June 10.
Fertilizer manufacture. W. A. Lutz. 2,600,253, June 10.
Fertilizers, Vegetable. C. J. Dew. 2,600,218, June 10.
File, Rotary horizontal. E. N. Yzetta. 2,599,802, June 10.
Filter: *See*—
Crankcase ventilator filter.
Filter. C. A. Winslow, W. G. Nostrand and L. L. Moore. 2,599,734, June 10.

Filter element. J. V. Bauer and R. H. Curtis. 2,599,604, June 10.
Fire alarm. S. Kuzmich, Jr. 2,600,006, June 10.
Fire extinguisher multiple horn assembly. F. B. Allen. 2,599,533, June 10.
Fire hose samson. G. Wallis. 2,599,958, June 10.
Fish cutting and cleaning machine. A. L. Christiansen. 2,599,694, June 10.
Fishhook, Sparkler. H. H. Bakken. 2,599,684, June 10.
Fishline sinker, Slip-on. F. Bujaky. 2,599,973, June 10.
Fishing arrowhead. R. A. Gottschalk and R. W. Warner. 2,599,626, June 10.
Fishing equipment. A. R. Klein. 2,600,002, June 10.
Fishing rod. P. C. Palmer. 2,600,259, June 10.
Flash lamp. H. P. Kevkens and L. H. Verbeek. 2,599,644, June 10.
Flexible resinous replicas, Making. C. L. Milton, Jr., and C. A. Nielson. 2,599,573, June 10.
Flexible wave guide matching section. J. M. Lamb. 2,600,169, June 10.
Floor processing apparatus. W. S. Finnell. 2,600,233, June 10.
Flotation of siliceous impurities from mineral-bearing material. W. A. Hodges. 2,599,530, June 10.
Flow-responsive electrical switch means. D. H. MacDonald and E. A. Poe. 2,600,309, June 10.
Fluid conduit heating means. R. A. Thompson. 2,599,671, June 10.
Fluid control mechanism for driving winding machines. J. H. White. 2,599,795, June 10.
Fluid flow control apparatus. D. H. Annin. 2,599,534, June 10.
Fluid-flow responsive electrical switch device. D. H. MacDonald and E. A. Poe. 2,600,011, June 10.
Fluid heater unit. G. A. Taylor. 2,599,594, June 10.
Fluid pressure measuring apparatus. M. B. Rappaport. 2,600,324, June 10.
Fluorescent optical bleaching agents. S. E. Krahler. 2,600,004, June 10.
Fluxmeter and probe therefor. R. Fraser. 2,599,550, June 10.
Fly screen. J. Bell. 2,600,192, June 10.
Foldable closure. M. J. Planeaux. 2,599,860, June 10.
Folder, Filing. W. F. Losch, Jr. 2,599,768, June 10.
Folding metal deck chair. R. A. O'Neill. 2,600,374, June 10.
Food package. W. L. Morrison. 2,600,069, June 10.
Forage unloader. C. J. Ludeking. 2,600,008, June 10.
Forced air flow air-heating furnace. H. A. Pletsch. 2,600,020, June 10.
Forging. J. H. Friedman. 2,599,706, June 10.
Fork and gripper, Culinary. R. E. Malone. 2,600,013, June 10.
Formation tester. B. W. Sewell and G. H. Ramsey. 2,600,173, June 10.
Forming apparatus for edible food products. G. J. Campbell. 2,599,894, June 10.
Forming plastisols. A. W. Meyer and W. A. Hermonat. 2,600,122, June 10.
4 - acetylamino - N - n - butyl-1,8-naphthalimide. M. O. Shrader. 2,600,080, June 10.
Four component objectives with second component a convergent cemented doublet having a dispersive internal contact surface. G. H. Cook. 2,600,208, June 10.
Four component optical objectives having four internal contact surfaces. G. H. Cook. 2,600,207, June 10.
Fractional distillation method. K. H. Hachmuth. 2,600,110, June 10.
Frequency discriminator circuit. P. D. Heath. 2,600,292, June 10.
Frequency stabilizing apparatus. P. Zylatra. 2,600,288, June 10.
Fringe forming apparatus. G. Manzano. 2,600,014, June 10.
Fuel control for combustion apparatus. J. W. Miller. 2,600,123, June 10.
Fuel distribution system. H. Hersch. 2,599,915, June 10.
Fuel system for combustion apparatus. T. B. Dilworth and M. M. Schalla. 2,599,699, June 10.
Furnace: *See*—
Domestic electric furnace.
Electric furnace.
Forced air flow air-heating furnace.
Fuse, Current-limiting. F. J. Kozacka. 2,599,646, June 10.
Fusible means for securing instrument parts during shipment. H. L. Ross. 2,600,330, June 10.
Gain control device for radio receivers. J. A. Pierce. 2,599,777, June 10.
Gamma-nitro-gamma-carbalkoxy butyraldehydes and process. O. A. Moe and D. T. Warner. 2,599,653, June 10.
Garment hanger track offset. C. Dahlberg. 2,599,614, June 10.
Gas disengaging combination for catalytic contacting apparatus. D. D. McKinney. 2,599,568, June 10.
Gas turbine rotor cooling means. J. A. N. Galliot. 2,600,235, June 10.
Gaseous-discharge make-alive device. J. L. Boyer and J. Slepian. 2,600,196, June 10.
Gauge: *See*—
Center gauge.
Dimensional tolerance gauge.
Gels of carboxyalkyl ethers of carbohydrate gums. O. A. Moe. 2,599,771, June 10.
Generator: *See*—
Steam generator.
Glue-setting platen. J. W. Mann. 2,599,930, June 10.
Golf bag construction. A. Hotze. 2,599,635, June 10.
Graph duplication. W. F. Brundage and G. O. Huntzinger. 2,600,201, June 10.
Grease composition. S. T. Abrams and F. H. Stross. 2,599,683, June 10.
Grid bearings, Making. A. W. Schluchter. 2,599,726, June 10.
Grinding machine. A. H. Dall. 2,599,698, June 10.
Grinding machine. O. E. Hill. 2,599,992, June 10.
Grinding mill. C. E. Pegg. 2,599,719, June 10.
Grinding wheel blower. W. Strayer. 2,599,952, June 10.
Grass clipping guide for lawn mowers. I. E. Aske. 2,599,883, June 10.
Guard rail clamp. H. R. Akers. 2,599,599, June 10.
Guide bar for chain saws. N. C. Bye. 2,599,608, June 10.
Gumming and pasting machine. C. A. Surridge. 2,599,666, June 10.
Gyratory processing apparatus. J. T. Coghill and H. S. Hill. 2,599,543, June 10.
H-plane horn. L. J. Chu. 2,599,895, June 10.
Hair curler. H. P. R. Sommers. 2,599,874, June 10.
Haloalkane sulfonates and toluidine derivatives thereof, Preparation of. J. E. Wicklatz. 2,600,287, June 10.
Halogenated and nitro halogenated thiophenes as agricultural fungicides. K. G. Nolan and J. H. Fletcher. 2,600,126, June 10.
Hammer spring and trigger spring for firearms, Unitary. D. M. Williams. 2,600,176, June 10.
Hand-operated web cutting apparatus. C. G. Axworthy. 2,599,601, June 10.
Handle: *See*—
Takedown metal bow handle.
Hanger: *See*—
Convector core hanger.
Polish rod hanger.
Hardened self-lubricating radial and thrust bearing. S. M. Scully. 2,600,079, June 10.
Head spacing mechanism. E. L. Von Hofen. 2,600,285, June 10.
Heat exchange unit. F. M. Young. 2,599,965, June 10.
Heat exchanger for hot gas piston engines. P. H. Clay. 2,599,611, June 10.
Heat transfer pebble. A. H. Schutte and V. O. Bowles. 2,600,078, June 10.
Heater: *See*—
Vehicle body heater.
Heel with elastic chambers, Shoe. V. Šlampa, K. Čepelák and F. Vrága. 2,599,871, June 10.
Helicopter control. M. D. Buivid and R. P. Alex. 2,599,690, June 10.
Herbicidal composition and weed control. R. Blondeau, J. V. Overbeek, and R. R. Whetstone. 2,600,045, June 10.
Hermetic sealing means between inner and outer casings of refrigerator cabinets. H. W. Whitmore. 2,599,733, June 10.
High-pressure pump. F. H. Carey. 2,599,609, June 10.
High-voltage choked filament feed. W. H. Bostick. 2,599,890, June 10.
High-voltage multiple core transformer. Q. A. Kerns. 2,600,057, June 10.
Hinge mechanism. M. C. Jenkins. 2,599,834, June 10.
Holder: *See*—
Bait holder.
Collapsible copy holder.
Cotton roll holder.
Nail holder.
Quick disconnect key holder.
Toothbrush and article holder.
Horticultural compositions. S. L. Hopperstead. 2,600,245, June 10.
Hosiery form attachment. S. Nettler. 2,600,258, June 10.
Hydraulic clutch mechanism. J. B. Armitage and H. L. Heywood. 2,600,043, June 10.
Hydraulic drawbar control. T. Miller. 2,600,016, June 10.
Hydraulic hoist. O. I. Hegre. 2,599,991, June 10.
Hydraulic lift for vehicles. S. E. Hill and W. L. Zink. 2,599,993, June 10.
Hydraulic line coupling. G. J. Pasker. 2,599,935, June 10.
Hydraulic system for actuating the tool-carrying beam of sheet bending machines. C. J. Rhodes. 2,599,781, June 10.
Hydraulic tappet. P. F. Bergmann. 2,599,886, June 10.
Hydrocarbon gas mixture analysis. A. T. Clothier. 2,600,158, June 10.
Hydromechanical power transmission drive. W. Cull. 2,599,814, June 10.
Hydrometer. K. Weiss. 2,600,035, June 10.
Ice-cream agitator or the like. M. C. Luterick. 2,600,010, June 10.
Ice-cream whipping machine. M. C. Luterick. 2,600,009, June 10.
Ice tray. M. K. Buchanan. 2,599,972, June 10.
Impregnated carbon brushes, Producing. M. F. and A. B. Peters. 2,599,582, June 10.

Indicator: *See*—
Visual electron flow indicator.
Indicator for micrometer calipers. A. C. Brown. 2,599,971, June 10.
Indicator for stove valves, Adjustable. H. M. Reeves. 2,599,780, June 10.
Inking device for typewriters. E. Cerceau. 2,600,156, June 10.
Insole, Pneumatic. L. L. Glibert. 2,600,239, June 10.
Instructional device for calculating. S. H. Svensson. 2,600,084, June 10.
Instrument for scribing circular arcs on a workpiece about a fixed center. J. Thomas. 2,600,139, June 10.
Insulation for coaxial cables, Manufacture of. R. C. Mildner. 2,599,857, June 10.
Insulator supporting bracket for electric fences. E. J. Lenz. 2,599,849, June 10.
Internal-combustion engine. G. R. Gehrandt. 2,599,908, June 10.
Ion exchange system. J. B. Gottfried. 2,599,757, June 10.
Ion producing mechanism. J. G. Backus. 2,600,151, June 10.
Jack: *See*—
Lifting jack.
Unloading jack.
Jack. O. Donohue. 2,599,900, June 10.
Joint: *See*—
Rubber seal joint.
Universal joint.
Joint. G. J. Scherba. 2,599,866, June 10.
Keyboard for musical instruments and keys therefor. N. J. Jewett. 2,599,999, June 10.
Kiln for heat-treating materials. P. C. Lipscomb. 2,600,306, June 10.
Kite reel. A. L. Crider. 2,600,049, June 10.
Knitting machine. M. Zimic and A. Miskovsky. 2,600,369, June 10.
Knitting machine, Double cylinder circular. C. Camnasio, G. A. Venturelli, and G. Colalupo. 2,600,203, June 10.
Knockdown display rack. B. F. Beach. 2,600,191, June 10.
Ladder step, Adjustable. O. E. Carlson. 2,599,976, June 10.
Lading strap fastening means. E. P. Smith. 2,599,873, June 10.
Lamelliform earthenware, Manufacturing. A. dal Borgo. 2,600,212, June 10.
Lamp: *See*—
Flash lamp.
Lap truing machine. W. A. Gunning and G. C. Favre. 2,599,759, June 10.
Lasting machine. N. H. Knowlton. 2,599,645, June 10.
Lathe jig for turning crankshafts. N. Mosca. 2,599,931, June 10.
Laundry iron support. W. T. Rickles. 2,599,941, June 10.
Lawn hand seeder. O. Schwarm and J. A. Prasky. 2,600,131, June 10.
Layout or hole locating device. R. F. Mitchell. 2,599,652, June 10.
Lead base alloy. R. H. Graves and J. F. Ednie. 2,599,628, June 10.
Leather punch. R. G. Sweet. 2,599,877, June 10.
Leg construction for coiled spring beds. H. H. G. Row. 2,599,723, June 10.
Lid for flour sifters. J. Jurkow. 2,599,641, June 10.
Lifting jack. H. Smith. 2,600,276, June 10.
Lighter, Cigarette. J. V. Richardson. 2,599,939, June 10.
Limit stop mechanism for potentiometers or the like. W. J. Opocensky. 2,599,934, June 10.
Line spacing mechanism for typing machines. H. A. Avery and J. P. Barkdoll. 2,599,535, June 10.
Line spacing platen for flat-bed typewriting machines. W. H. von Hacht. 2,600,346, June 10.
Liquid circulation indicator. A. Wittlin. 2,600,148, June 10.
Liquid distributing system. W. L. Weeks. 2,599,680, June 10.
Liquid fuel meter. V. A. Tyler. 2,600,032, June 10.
Liquid level control device. V. A. Kagay and J. L. Robison. 2,599,713, June 10.
Liquid level control mechanism. R. W. Sloane. 2,600,366, June 10.
Liquid level gauge and operating system. L. E. Thompson. 2,600,341, June 10.
Load-handling attachment for lift trucks. W. W. Michaux, Jr. 2,599,855, June 10.
Loader. F. Waguespack. 2,599,677, June 10.
Lock: *See*—
Bolt lock.
Lock for handbag frame members. F. Pohlig. 2,600,074, June 10.
Lock for the clamps of mixing machines, Safety. E. A. Holmlund. 2,599,833, June 10.
Lockout warning system for home heating apparatus. G. V. Eltgroth. 2,599,703, June 10.
Lock structure for coin savings banks. W. J. McSweeney. 2,600,311, June 10.
Locomotive, Two-power electric. M. C. Potter. 2,600,320, June 10.
Lotion dispenser. W. W. Bowman. 2,599,686, June 10.
Loupe. S. L. May. 2,599,716, June 10.
Lubricant consisting of copolymeric siloxanes substituted with methyl, phenyl, and halogenated-aryl radicals. H. J. Fletcher and M. J. Hunter. 2,599,984, June 10.
Lubricant containing soap or phosphated hydroxy fatty acid or glyceride. E. C. Knowles, O. P. Puryear, and G. W. Eckert. 2,600,058, June 10.
Lubricant, Extreme pressure. D. Harman and R. E. Thorpe. 2,599,761, June 10.
Lubricating composition. S. A. Ballard, R. C. Morris, and J. L. Van Winkle. 2,599,803, June 10.
Lubricating composition containing the reaction product of biuret and aliphatic esters of hydroxy acids. D. E. Adelson and R. G. Larsen. 2,599,736, June 10.
Lubricating compositions. W. C. Webber. 2,599,794, June 10.
Lubricating mechanism. G. H. Acker. 2,600,178, June 10.
Machine for binding wreaths. H. L. Nielsen. 2,600,071, June 10.
Machine for packaging wire forms. W. F. Feyrer. 2,599,547, June 10.
Machine for plucking feathers. F. Fisher. 2,599,621, June 10.
Machine for removing threaded dies from molded parts. J. Krebs, Jr. 2,599,764, June 10.
Machine for sharpening tools. O. A. Johnson. 2,599,639, June 10.
Machine for the manufacture of shoes. W. P. Field. 2,599,548, June 10.
Machine tool control. J. M. Walter. 2,599,679, June 10.
Magnetic extractor. A. Zachary. 2,599,966, June 10.
Maintaining B. t. u. content of residue gas from absorber. R. K. Simms. 2,600,133, June 10.
Manhole cover remover. H. K. Price and E. Montgomery. 2,599,938, June 10.
Manually operated means for propelling boats. C. H. Swenson. 2,599,791, June 10.
Margin regulating means for typing machines, Adjustable. J. P. Barkdoll. 2,599,537, June 10.
Marginal securing strip for carpets. J. M. and G. M. Paterson. 2,599,580, June 10.
Marine depth finder. W. M. Ross. 2,599,586, June 10.
Massager, Gum. M. Staunt. 2,600,136, June 10.
Means for holding and masking articles during coating. F. Z. Fouse. 2,600,161, June 10.
Means for the extinction of fire in tanks for combustible liquids. A. E. Wicklander. 2,599,796, June 10.
Mechanism for adjusting electric devices in enclosures therefor. P. M. Christensen. 2,599,695, June 10.
Mechanism for grinding machines. F. B. Hatebur. 2,599,990, June 10.
Mechanism for registering sheets. H. T. Backhouse. 2,599,602, June 10.
Metadyne motor. J. M. Pestarini. 2,599,936, June 10.
Metal cleaning composition, Noncorrosive. J. H. Secrist. 2,599,729, June 10.
Meter: *See*—
Capacitance meter.
Current meter.
Liquid fuel meter.
Parking meter.
Method, apparatus for making coffee beverages. A. F. Wirtel and E. Knoesel. 2,599,682, June 10.
Methyl-substituted disiloxane diols, Making. G. R. Lucas and R. W. Martin. 2,600,307, June 10.
Microsecond delay circuit. N. B. Saunders. 2,600,270, June 10.
Mill: *See*—
Grinding mill.
Miniature airplane with balancing weight. N. E. Walker. 2,599,957, June 10.
Mixer: *See*—
Molasses mixer.
Mixing apparatus for insecticides. A. W. Gustafson. 2,599,825, June 10.
Mixing faucet. F. M. Iannelli. 2,599,997, June 10.
Mixing or kneading machine. H. T. Lamb. 2,600,117, June 10.
Modulator. R. M. Fano. 2,599,905, June 10.
Modulator system. R. N. Harmon and R. Lee. 2,600,243, June 10.
Molasses mixer. W. B. Rundle. 2,600,333, June 10.
Mold for tires. J. H. F. Kent. 2,599,841, June 10.
Molding composition suitable for phonograph records comprising tough polyvinyl acetal resin and petroleum-hydrocarbon insoluble resinous wood extract. G. F. Metz. 2,599,570, June 10.
Molding protector. H. A. Jacobs. 2,600,296, June 10.
Monitoring of gas for radioactivity. W. R. Kanne. 2,599,922, June 10.
Mortar mixer and tumbler. H. L. McClain. 2,599,852, June 10.
Motor: *See*—
Metadyne motor.
Submersible electric motor.
Motor analyzer. D. J. Ward. 2,600,088, June 10.
Motor control device, Molecular resistance. W. C. Robinette. 2,600,170, June 10.
Motor fuel. A. R. Jones and J. O. Smith, Jr. 2,600,113, June 10.
Motor speed control apparatus. J. J. Root. 2,599,783, June 10.
Motor with removable cover casing, Outboard. D. A. Armstrong. 2,600,181, June 10.
Mouthpiece device. J. Sage. 2,600,025, June 10.
Movable sheet production-control device with sheet guiding means. C. T. Breitenstein. 2,600,153, June 10.
Moving fluid, particularly for lubrication of internal-combustion engine pistons. R. H. Marchal and O. Y. Durouchoux. 2,599,851, June 10.

Moving target indication radar system. R. A. McConnell. 2,600,255, June 10.
Muffler with a plurality of passages. S. J. Gibel. 2,600,236, June 10.
Multistation selective communication system. E. R. Evans. 2,599,904, June 10.
Multistep pulley. A. Friedman and L. Silber. 2,599,821, June 10.
Mustard and catsup dispenser. F. A. J. Toman. 2,599,955, June 10.
N-subatituted-beta halo-ethyl amines. J. F. Kerwin and G. E. Ullyot. 2,600,301, June 10.
Nail holder. L. A. McClung. 2,599,651, June 10.
Navigation apparatus, Electrical. A. D. Cole. 2,600,209, June 10.
Necktie, Four-in-hand. C. A. Doric. 2,599,749, June 10.
Nitrogen-containing organic compounds and their preparation. D. E. Adelson. 2,599,737, June 10.
Nozzle, Fire extinguisher. E. E. Seaberg. 2,599,728, June 10.
Nut gatherer. C. E. Lepper. 2,599,715, June 10.
One-piece breech block for automatic firearms with pivoted locking members. H. Lippert. 2,600,007, June 10.
Open side cable carriage. S. S. McIntyre. 2,600,066, June 10.
Opener, Can. R. Hagen. 2,599,551, June 10.
Organohalogenosilanes, preparing. S. D. Brewer. 2,600,198, June 10.
Organo tin halides, Making. E. W. Johnson and J. M. Church. 2,599,557, June 10.
Orthopedic appliance. H. S. Silverman, S. M. Raffer, and E. F. Oberheim. 2,599,589, June 10.
Orthopedic shoe. J. Barrons. 2,599,970, June 10.
Oxidation inhibitors of U_3O_8. I. Sheft and S. M. Fried. 2,599,946, June 10.
Packaging oleomargarine and similar materials. W. E. Denison. 2,600,216, June 10.
Packing fruit. C. F. Stuart. 2,599,790, June 10.
Pan, Multiple-unit muffin. H. L. and D. J. McClain. 2,599,853, June 10.
Paneling. D. Hirsch. 2,599,994, June 10.
Paper coating apparatus. R. A. Sherman and L. O. Carlisle. 2,599,947, June 10.
Paper holder for making photographic enlargements. L. L. Ogg. 2,599,859, June 10.
Paper winding machine. G. Roen. 2,599,942, June 10.
Parking meter. W. N. Woodruff. 2,599,881, June 10.
Patten. J. V. Beveridge. 2,599,740, June 10.
Pectinase-free diastase, Preparation of. C. V. Smythe and C. E. Neubeck. 2,599,532, June 10.
Pectinesterase, Preparation of. C. V. Smythe, B. B. Drake, and J. A. Miller. 2,599,531, June 10.
Pedal for foot brake pedals, Auxiliary. J. R. Ruscito and M. J. Damon. 2,600,267, June 10.
Pendulum retaining means. C. Rothweiler. 2,600,266, June 10.
Perforated pattern mechanism for looms. J. L. Reynolds, Sr. 2,600,128, June 10.
Photoengraving equipment. T. Hommel. 2,600,295, June 10.
Photographic element containing a processing liquid. W. J. McCune, Jr. 2,600,064, June 10.
Photoprinting device. B. H. Klyce. 2,600,168, June 10.
Pick wheel operated loom stop motion mechanism. L. H. Rockwell. 2,599,584, June 10.
Picker stick. D. L. Norris, Sr. 2,600,019, June 10.
Picket header. K. T. Hansen. 2,600,055, June 10.
Pile fabrics, Method and apparatus for making. K. Hamilton, Jr. 2,600,241, June 10.
Pin unloader. S. J. Gartner and M. G. Hasselman. 2,600,052, June 10.
Pin-wheel feeding device for stationery. F. E. Lanegan. 2,599,648, June 10.
Pipe coupling. V. L. Frantz. 2,600,162, June 10.
Pipe driver. J. L. Haston. 2,599,989, June 10.
Piston grinding machine. C. J. Green. 2,599,987, June 10.
Piston packing ring. M. W. Marien. 2,600,310, June 10.
Platen for use with perforating and cutting machines. E. J. Horgan. 2,600,165, June 10.
Plating carrier particles with a catalytic metal. O. F. Davis and H. Nack. 2,599,978, June 10.
Pliers, Bolt holding. R. P. Wagner. 2,599,676, June 10.
Plow, Reversible. A. R. Coviello. 2,600,359, June 10.
Polish rod hanger. C. W. Shelton. 2,599,869, June 10.
Polymeric compounds condensed from epichlorhydrin and a bifunctional amino compound, and production. A. S. Carpenter and E. R. Wallsgrove. 2,599,974, June 10.
Polymerizing chlorotrifluoroethylene. D. W. Caird. 2,600,202, June 10.
Polymyxim, preparing. P. G. Stansly, R. G. Shepherd, and R. Winterbottom. 2,599,950, June 10.
Portable power-driven planer. H. A. Spitzley. 2,600,279, June 10.
Portland cement base paints. C. R. Nelson and R. E. Madison. 2,600,018, June 10.
Post driving machine. A. M. Hobson and G. B. Corbett. 2,599,995, June 10.
Pottery fabricating machine. J. A. Bower. 2,599,605, June 10.
Potting composition. C. W. Kleiderer. 2,599,762, June 10.
Power-actuated rotary tool. D. C. Ridge. 2,600,327, June 10.
Power saw mitering machine, Portable. F. D. Butler. 2,599,893, June 10.
Power takeoff. C. Gerst. 2,600,108, June 10.
Power takeoff. R. W. Wagner. 2,600,347, June 10.
Power transmission. C. A. Neracher and W. T. Dunn. 2,599,773, June 10.
Power transmission mechanism. T. Hindmarch. 2,599,632, June 10.
Power transmission mechanism. S. S. McIntyre. 2,600,065, June 10.
Power transmission mechanism. M. D. Wilson. 2,599,880, June 10.
Preparation of homogeneous mixture of asphalt and polystyrene. J. Gaebel, P. Bakker, and J. G. Hoogland. 2,599,986, June 10.
Preparing an antibacterial substance from pyridoxamine. G. Shwartsman. 2,599,587, June 10.
Press: *See*—
Toggle press. Vacuum gravity press.
Press loader and shutter. R. Chapman. 2,599,693, June 10.
Pressure and vacuum relief valve. P. B. Drane. 2,599,979, June 10.
Pressure-regulating valve. W. D. Teague, Jr. 2,600,137, June 10.
Pressure regulator. N. Plank. 2,600,073, June 10.
Pressure-responsive device. H. Schaevitz. 2,600,271, June 10.
Prevention of foaming in steam generation. L. O. Gunderson. 2,600,361, June 10.
Printer's inks, Method and apparatus for making. H. G. Hoffmeister and A. H. Soane. 2,599,633, June 10.
Propeller. O. A. Wirkkala. 2,599,598, June 10.
Propeller, Laminated. M. M. Munk. 2,599,718, June 10.
Protective system. E. H. Yonkers. 2,600,149, June 10.
Protector: *See*—
Molding protector.
Pteridines, Preparation of substituted. D. B. Cosulich. 2,599,526, June 10.
Pulp molding die. W. H. Randall. 2,600,265, June 10.
Pulping wood with sodium carbonate-lime solution. H. Miller. 2,599,571, June 10.
Pulse delay circuits. L. W. Ballard. 2,600,185, June 10.
Pump: *See*—
High-pressure pump. Slipper pump.
Pump. A. W. Arnold. 2,599,600, June 10.
Pumping system. W. R. Eames. 2,599,701, June 10.
Punch core orienter for wells. M. L. Natland and R. E. Pearson. 2,600,125, June 10.
Purification of organic acids. W. B. Hughes. 2,600,166, June 10.
Purification of zinc electrolytes. J. T. Ellsworth. 2,599,816, June 10.
Pyrroles, Production of. C. A. Bordner. 2,600,289, June 10.
Quench-hardening steel. E. R. Cornell. 2,600,290, June 10.
Quick disconnect key holder. P. T. Poutinen. 2,599,660, June 10.
Rack: *See*—
Cup rack. Stationery rack.
Knockdown display rack.
Rack. L. R. Jarrett. 2,600,298, June 10.
Radar display. E. G. Schneider. 2,600,335, June 10.
Radiator cap and steam baffle wrench. C. R. Taylor. 2,599,668, June 10.
Radio transmission system. R. D. Kell. 2,599,643, June 10.
Radiosonde recorder control. J. A. Siderman. 2,599,588, June 10.
Rail anchor. O. F. Arthur and F. Schulle. 2,600,089, June 10.
Rail bond. F. C. Lavarack. 2,600,118, June 10.
Rail brace. G. Arnold, H. A. Schultz, and E. E. Rhoads. 2,600,183, June 10.
Railway car. F. T. Burgess. 2,599,606, June 10.
Rake, Dump. H. O. Gorton. 2,600,109, June 10.
Rapid curing and low-pressure phenolformaldehyde resins. A. A. J. Sigtermans. 2,599,870, June 10.
Ratiometer, 300° directly driven. C. Geiser. 2,599,756, June 10.
Razor, Safety. L. Patrignani. 2,600,318, June 10.
Reaming tool. V. E. Besse. 2,599,887, June 10.
Rear sight adjusting device for pistols. F. J. Keifer, Jr. 2,599,839, June 10.
Record album. F. H. Rice. 2,600,023, June 10.
Recorder, Filtrability. P. L. Boucher and N. A. F. Rowntree. 2,599,742, June 10.
Recording annunciator. H. J. Elliott. 2,599,702, June 10.
Rectifier cooling arrangement. R. C. Crossley. 2,599,748, June 10.
Rectifying installation. H. A. W. Klinkhamer. 2,600,249, June 10.
Reed for wind instruments. A. Montenare. 2,599,574, June 10.
Reel: *See*—
Thread-advancing reel.
Refining kerosenes and gas oil by ternary azeotropic distillation. G. B. Arnold and L. Kovach. 2,600,184, June 10.

Refining kerosenes and gas oil by ternary azeotropic distillation with furfural and water. G. B. Arnold and L. Kovach. 2,600,182, June 10.
Refrigerator shelf trim strip. A. H. Burrise. 2,599,607, June 10.
Regenerating anion exchange materials and composition therefor. W. Juda and M. Carron. 2,599,558, June 10.
Regeneration of chromic acid baths utilized in electrodeposition of chromium. G. Sagen. 2,600,171, June 10.
Regulator: *See*—
Pressure regulator.
Reinforced friction facing. R. T. Halstead, C. L. E. de Gaugue, and F. Lombardy. 2,599,826, June 10.
Remote-controlled plural registering apparatus. H. G. Watson. 2,600,144, June 10.
Removal of diolefin polymers from extractive distillation solvent. B. S. Garrett. 2,600,106, June 10.
Rendering proteinaceous textile materials water repellent. A. M. Sookne and A. E. Brown. 2,599,590, June 10.
Repeat type action for typewriters and like machines. H. S. Brink. 2,600,200, June 10.
Resilient seal safety valve. C. H. Folmsbee. 2,599,622, June 10.
Resistivity method for determining ore continuity. A. A. Brant. 2,599,688, June 10.
Retractable step. N. J. Harvey. 2,599,529, June 10.
Reversible mining chain. J. F. Joy. 2,599,837, June 10.
Ribbed core for steel blades. C. B. Conwell. 2,600,048, June 10.
Ribbon or the like. H. Veeder. 2,599,674, June 10.
Ribbon-type gas burner. J. H. Flynn. 2,600,160, June 10.
Ring: *See*—
Piston packing ring.
Rocking-chair and musical-box combination and clutch connection therefor. R. E. Shvetz. 2,599,948, June 10.
Rod: *See*—
Fishing rod.
Rodent trap. W. T. Hembree. 2,599,711, June 10.
Rotary hoe wheel. J. F. Rude and A. V. Burch. 2,600,332, June 10.
Rotary plant chopping element. I. Knutzen. 2,599,843, June 10.
Rotary spark gap. R. S. Stanton. 2,599,951, June 10.
Rotatable drum pressing and ply turning device. M. Engler. 2,600,291, June 10.
Rotation indicator for hoist drums. H. W. Dow. 2,599,815, June 10.
Rotor head for helicopters. C. L. Gahagan. 2,599,822, June 10.
Rubber seal joint. J. G. Long. 2,599,767, June 10.
Safety control apparatus for gaseous fuel burners. H. J. Long. 2,600,252, June 10.
Saw, Circular. A. R. Segal. 2,600,272, June 10.
Saw set. W. G. Spain and H. C. Simpson. 2,600,027, June 10.
Scaffold, Extensible. W. H. Brewster. 2,600,199, June 10.
Scaffold for household uses, Foldable. G. G. Thomas. 2,599,670, June 10.
Screen: *See*—
Fly screen. Well screen.
Sealing crevices in oil wells. D. C. Bond. 2,600,195, June 10.
Seat: *See*—
Adjustable vehicle seat.
Seat for golf carts. L. F. Lyons. 2,599,928, June 10.
Securing means for outboard motors. M. D. Consolo and G. V. Clanton. 2,600,095, June 10.
Seismograph amplifier control. C. H. Fay and T. J. Tvedt. 2,600,051, June 10.
Self-lubricated plastics. J. J. Pyle. 2,600,321, June 10.
Semiautomatic label-applying machine. S. T. Carter. 2,600,205, June 10.
Semiconductor translating device. A. R. Moore. 2,600,373, June 10.
Sensing speed with pressure output, Method and device for. J. G. Wilson. 2,599,797, June 10.
Separation of acidic constituents from gases. F. C. Riesenfeld and H. D. Frazier. 2,600,328, June 10.
Separation of solutes by continuous solvent extraction. J. D. A. Johnson. 2,599,836, June 10.
Separator: *See*—
Centrifugal separator. Vertical lumber separator.
Sequence relay. J. B. Cataldo and E. D. F. Tidd. 2,600,155, June 10.
Servomotor. J. A. Denton. 2,599,899, June 10.
Shackle seal. A. di Palma. 2,599,700, June 10.
Shaft. M. B. Morgan. 2,599,575, June 10.
Shaker for granular substances. F. W. Fuller. 2,599,755, June 10.
Shears, Pinking. A. W. and R. J. Wertepny. 2,600,036, June 10.
Sheet feeder. J. R. Wood. 2,600,356, June 10.
Sheet gripper structure and setting means therefor. H. E. Peyrebrune. 2,599,776, June 10.
Shift control mechanism. R. C. Russell. 2,599,724, June 10.
Shirt collar attachment. A. H. Hull. 2,599,636, June 10.
Shock absorber. R. G. Hoare. 2,599,831, June 10.
Shorts, Sport. W. R. S. MacRae and A. R. Kneibler. 2,599,769, June 10.
Shrinking hammer for sheet metal working. D. D. Schmeling. 2,599,786, June 10.
Shuttle cleaner. R. Whewell, Jr. 2,599,731, June 10.
Side rail for beds. A. W. Schutzer. 2,599,663, June 10.
Sight and action cover for guns. H. W. Brelsford. 2,599,689, June 10.
Siloxane lubricants. M. C. Hommel. 2,599,917, June 10.
Simulated flowers, Making. G. H. La Marque. 2,599,647, June 10.
6-alkoxy-2-tetralones. M. Matter and H. von Sprecher. 2,599,650, June 10.
Skate wheel. V. J. Brown and H. C. Costello. 2,599,540, June 10.
Slider for slide fasteners. J. Backer. 2,599,536, June 10.
Sliding door mounting device. A. Craigon. 2,599,747, June 10.
Slipper pump. W. T. Livermore. 2,599,927, June 10.
Snubber. W. L. Schlegel, Jr. 2,600,334, June 10.
Soap, Complex aluminum. B. W. Hotten. 2,599,553, June 10.
Socket wrench extension. E. T. Able and W. Krieger. 2,600,177, June 10.
Solderless electrical conductor clamp. H. W. Batcheller. 2,600,189, June 10.
Solutions of polymers of vinylidene cyanide. A. E. Ardis. 2,600,180, June 10.
Sorting machine. F. Netschert. 2,599,655, June 10.
Spade connector. H. W. Batcheller. 2,600,188, June 10.
Spark arrester for pressure gas switches. A. Latour. 2,599,848, June 10.
Spark arrester mechanism. W. H. Powers. 2,600,262, June 10.
Speed-regulating control system. A. O. Lund and W. H. Esselman. 2,600,308, June 10.
Splicing block. J. Tall. 2,599,667, June 10.
Sprag type clutch. A. A. Warner. 2,599,793, June 10.
Spraying apparatus. W. Walker. 2,599,678, June 10.
Sprinkler means, Compactly foldable. M. Turausky. 2,599,792, June 10.
Stabilization of crops. J. A. Chenicek and W. K. T. Gleim. 2,599,810, June 10.
Stabilization of resins. W. W. Crouch and J. F. Howe. 2,599,813, June 10.
Stabilization of unsaturated organic material-sulfur dioxide resins with elemental sulfur or inorganic sulfides. W. W. Crouch and J. F. Howe. 2,599,544, June 10.
Stabilized control circuit. G. W. Nagel. 2,600,317, June 10.
Stabilized frequency divider circuit. R. B. Woodbury. 2,599,964, June 10.
Stabilized pipe repair clamp. P. N. Adams. 2,599,882, June 10.
Stacking and nesting container. F. W. Schmidt. 2,599,727, June 10.
Stapler. H. L. Imelmann. 2,599,998, June 10.
Starter for free piston engines. F. M. Lewis and W. A. Morain. 2,600,251, June 10.
Stationery rack. D. M. Stewart. 2,600,339, June 10.
Stator blade construction. S. Musikant. 2,599,654, June 10.
Steam generator. B. Woynar. 2,599,735, June 10.
Steel, Making. S. A. Gilbert. 2,600,238, June 10.
Stoker fuel supply signal switch. M. E. Keele and M. L. Noble. 2,599,840, June 10.
Stop mechanism for sliding elements of furniture. E. G. Rudman. 2,599,865, June 10.
Stop motion mechanism for knitting machines. J. Wachsman. 2,599,595, June 10.
Stopper head for ladles. A. L. Hodge. 2,599,832, June 10.
Storage system for pressurized fluids. G. F. McLaughlin. 2,600,015, June 10.
Straightedge glass plate beveling and edging machine. W. A. Reaser, E. A. Ziems, and J. M. Christman. 2,600,127, June 10.
Streamline depth charge. R. H. Park, A. G. Russell, W. S. MacDonald, and R. R. Crookston. 2,599,579, June 10.
Stress indicating bolt or stud. A. R. Stone. 2,600,029, June 10.
Stretcher, Finger ring. E. G. Henry. 2,600,163, June 10.
Stretcher support. W. F. Riemvis. 2,599,863, June 10.
Submersible electric motor. S. A. Smith. 2,600,277, June 10.
Substitute unit for circuit testing and grounding. H. Krida. 2,600,304, June 10.
Substituted pentanediols and derivatives thereof. C. W. Smith. 2,600,275, June 10.
Sun visor for motor vehicles. W. F. Branch. 2,599,809, June 10.
Superregenerative microwave receiver. L. K. Neher. 2,599,933, June 10.
Support: *See*—
Cycle saddle support. Stretcher support.
Laundry iron support.
Support for fencing. D. Seebohm. 2,599,788, June 10.
Supporting means for bearing grinders. O. F. Tibbs. 2,599,954, June 10.
Supporting means for sheet material. A. C. Hoven and W. E. Nordmark. 2,599,918, June 10.
Suppressing the oxidation of CO to CO_2 in a fixed bed regenerator. A. V. Grosse. 2,600,360, June 10.
Surfacing metal objects. J. W. Bolton and S. A. Weigand. 2,600,358, June 10.
Suspension galvanometer and magnet assembly. A. D. Richardson. 2,599,661, June 10.

Swinging flap for tenter-frame clips. K. Klopfer. 2,599,714, June 10.
Switch: *See*—
Coin-actuated control switch. Stoker fuel supply signal switch.
Electronic stepping switch.
Swivel connection for air-operated chucks. H. E. Sloan. 2,599,664, June 10.
Symmetrical diarylhydrazines, Manufacture of. J. Kamlet. 2,600,000, June 10.
Table slide, Refectory. C. L. Bolick. 2,599,808, June 10.
Table-top processing machine. M. Izen. 2,599,712, June 10.
Table with leaf elevating mechanism, Extension. S. Kato. 2,599,642, June 10.
Takedown metal bow handle. H. F. Lake and C. W. Grimes. 2,600,250, June 10.
Tank: *See*—
Trap tank.
Tank ball, Automatic. C. Rickena. 2,599,940, July 10.
Tap or cock. H. Heidal. 2,600,293, June 10.
Tape-dispensing machine. O. P. Erhardt. 2,599,750, June 10.
Tapping machine drive. D. H. Prutton. 2,600,022, June 10.
Telegraph switching, Automatic. R. H. Halvorsen. 2,599,988, June 10.
Temperature compensated resonant cavity. A. D. Ehrenfried. 2,600,225, June 10.
Temperature regulating system. C. L. Mershon. 2,600,313, June 10.
Template making scriber. A. Del Debbio. 2,600,098, June 10.
Testing for quaternary ammonium compounds. D. B. Conklin. 2,599,697, June 10.
Testing suspensions, Method and apparatus for. R. A. Robinson and W. F. Eberz. 2,599,583, June 10.
Thiosemicarbazones. H. Schmidt, R. Behnisch, and F. Mietzsch. 2,600,077, June 10.
Thread-advancing reel. C. A. Castellan. 2,599,692, June 10.
Thread controlling apparatus in textile machines. J. L. M. Morrison, R. T. C. Woodward, R. Peel, and E. Greaves. 2,600,256, June 10.
Three-component four-element objective. P. H. Taylor. 2,599,699, June 10.
Thyratron control system for electric motors. B. A. Knauth and P. H. Chin. 2,600,003, June 10.
Tie holder or the like. A. A. Johnson. 2,599,921, June 10.
Timer. A. W. Noon. 2,599,858, June 10.
Timer, Electronic sequence. C. B. Stadum. 2,600,337, June 10.
Tire casing, Pneumatic. E. S. Ewart. 2,600,231, June 10.
Toggle press. O. H. May. 2,600,242, June 10.
Tone arm moving and latching mechanism. H. E. Williams. 2,599,963, June 10.
Tone keyer. P. E. Volz. 2,599,675, June 10.
Tool: *See*—
Circular cutting tool. Power-actuated rotary tool.
Clutch finger tool. Reaming tool.
Tool for drilling rocks and the like and drilling device comprising such tools. P. Marcerou. 2,599,770, June 10.
Tool for forming dinnerware. G. B. Guthrie. 2,599,910, June 10.
Tool for tensioning and cutting binding straps. J. W. Dunbar. 2,600,224, June 10.
Toothbrush and article holder. F. A. Venditti. 2,600,345, June 10.
Toothbrush, Manually operated pressure feed fountain. L. F. Perwas. 2,599,658, June 10.
Toy, Animated mechanical. W. L. Strauss. 2,600,340, June 10.
Toy bubble gun, Repeating. W. D. Beezley and O. V. Phillips. 2,599,886, June 10.
Toy mortar. P. Kopf. 2,600,116, June 10.
Toy wheel and making. M. D. Walklet. 2,600,033, June 10.
Track supporting means. C. Dahlberg. 2,599,615, June 10.
Traction assist appliance. J. H. Holmes. 2,599,634, June 10.
Traction device for track laying vehicles. R. C. Stewart. 2,599,592, June 10.
Trailer hitch. G. T. Huxford. 2,599,638, June 10.
Train message delivery fork. E. G. Grams. 2,599,627, June 10.
Transmission. D. W. Kelbel. 2,599,559, June 10.
Transmitter, Flexible spring. F. D. Hanson, H. R. Parker, and L. L. Wagener. 2,599,760, June 10.
Transmitter keyer. L. R. Kahn and W. Lyons. 2,600,248, June 10.
Transport. R. L. Cope. 2,599,612, June 10.
Transport truck arrangement for hospital beds. C. G. Mensies. 2,599,717, June 10.
Trap: *See*—
Rodent trap.
Trap and reactivator, Electric animal. A. G. Burns. 2,599,541, June 10.
Trap tank. E. H. L. Johannes. 2,600,299, June 10.
Traversing mechanism for mortars. D. M. Lontz. 2,599,565, June 10.
Tray, Paint dispensing. P. L. Hexter. 2,599,830, June 10.
Treadle mechanism for operating valves or the like. F. H. Richterkessing. 2,600,326, June 10.
Treatment of wines and like materials for their clarification. J. C. van Dyk. 2,600,085, June 10.
Treatment of wool. P. W. Cunliffe, J. L. Sharp, and F. Ashworth. 2,599,977, June 10.
Trench excavator. D. F. Przybylski. 2,599,778, June 10.
Truck body, Commercial. J. H. Torseth. 2,600,140, June 10.
Tube: *See*—
Cathode-ray tube. Electron-discharge tube.
Tube and making the same. R. H. von Liedtke. 2,599,878, June 10.
Tubing hanger packing. C. R. Nellon. 2,600,257, June 10.
Turning device. E. J. Kratzenberg. 2,599,846, June 10.
Two-stage hydraulic control valve. E. R. Walthers. 2,600,348, June 10.
Two wire load measuring system. R. G. Lockett. 2,600,059, June 10.
Typesetting means in laundry listing machine. J. Griesinger. 2,599,709, June 10.
Ultrahigh-frequency panoramic receiver. D. A. Park. 2,600,260, June 10.
Universal joint. E. Wildhaber. 2,599,596, June 10.
Unloading jack. E. F. and A. C. Bishman. 2,599,741, June 10.
Upper securing device for tension screens. D. J. Rust and J. H. Jensen. 2,599,725, June 10.
Uranium borohydride and making the same. H. I. Schlesinger and H. C. Brown. 2,600,370, June 10.
Urea formaldehyde lacquer compositions, Preparing. E. M. Evans and R. W. H. Wicking. 2,600,100, June 10.
Vacuum cleaner with height adjustment. E. P. Turner. 2,600,141, June 10.
Vacuum gravity press. V. E. Heywood. 2,600,164, June 10.
Valve: *See*—
Balanced fluid pressure regulating valve. Pressure-regulating valve.
Pressure and vacuum relief valve. Resilient seal safety valve.
Two-stage hydraulic control valve.
Valve. W. P. Dalrymple. 2,599,898, June 10.
Valve. P. R. Hay. 2,599,828, June 10.
Valve. E. A. Kliewer, Sr. 2,600,115, June 10.
Valve. J. C. Slonneger. 2,599,872, June 10.
Valve. J. H. Stroop. 2,599,593, June 10.
Valve assembly. R. L. Ohls. 2,599,774, June 10.
Valve assembly, Rotatable slide. T. L. Fawick. 2,600,102, June 10.
Valve device. R. Détrez. 2,600,099, June 10.
Variable capacity cavity tuning. L. D. Smullin. 2,600,278, June 10.
Variable-capacity target electrode. G. S. P. Freeman. 2,599,754, June 10.
Variable liquid resistance apparatus. N. R. Benchemoul. 2,599,806, June 10.
Variable pitch reversible propeller. E. H. Morris, E. Danvers and T. E. Godden. 2,600,017, June 10.
Variable tuning system. A. G. Lazzery. 2,600,119, June 10.
Vehicle: *See*—
Auto-loading self-propelled dumping vehicle.
Vehicle body heater. E. D. Rohen. 2,599,585, June 10.
Vending apparatus. D. Hancock, Jr. 2,599,913, June 10.
Vending apparatus, Cigar. M. M. Berger and J. Morales. 2,599,685, June 10.
Venetian blind bottom bar organization. H. K. Lorentzen. 2,600,062, June 10.
Venetian blind enclosure, Transparent flexible. R. Sutz. 2,600,083, June 10.
Venetian blind tilting mechanism. J. C. Bennett. 2,599,884, June 10.
Ventilating system. E. Lamb. 2,599,925, June 10.
Ventilator, Window. E. O. Gillen. 2,599,823, June 10.
Vertical lumber separator. E. D. Wilson. 2,600,147, June 10.
Vibration isolator. L. W. Wightman. 2,600,353, June 10.
Vibration measuring device. J. J. Boyd and F. E. Reed. 2,599,539, June 10.
Vibrator with keyhole contour reed arm. C. Huetten. 2,600,247, June 10.
Vinyl fluoride, Preparation of. J. Harmon. 2,599,631, June 10.
Visual electron flow indicator. L. S. Maloof. 2,600,063, June 10.
Volatilization of tin values of tin ores. D. F. Wells, R. B. Thompson and E. J. Roberts. 2,600,351, June 10.
Voltage control system. A. H. Mittag and M. J. Mulhern. 2,600,315, June 10.
Voltage stabilizer. O. H. Schmitt. 2,599,945, June 10.
Wagon hoist. D. E. and H. D. Moore. 2,599,772, June 10.
Waistband, Automatic adjustable. R. R. Fanning. 2,599,983, June 10.
Wall treatment of tubing. J. Lysobey. 2,600,254, June 10.
Warning and lubricating device for hot journals. M. C. Toth. 2,599,672, June 10.
Water closet. M. J. Kumnick. 2,599,765, June 10.
Water service fixture. T. E. Bart. 2,600,187, June 10.
Watering system. W. A. Ray. 2,599,862, June 10.

Wave front modifying wave guide system. R. B. Robertson-Shersby-Harvie and R. G. Garfitt. 2,599,864, June 10.
Wave guide phase shifter. A. G. Fox. 2,599,753, June 10.
Wear plate for brake heads. T. J. Sweger and M. S. Johnson. 2,599,876, June 10.
Web perfecting, folding, and cutting machine with endless band printing members. L. de Florez. 2,600,215, June 10.
Weft detector for looms. S. F. Siciliano. 2,600,365, June 10.
Welding process for joining a metal body and a semiconducting body composed of metallic and ceramic material. H. Federspiel. 2,599,751, June 10.
Welding resistance. R. J. Cottingham. 2,599,613, June 10.
Well-drilling bit. P. A. McMurdy and O. N. Donehoo. 2,599,854, June 10.
Well logging apparatus. H. R. Scivally. 2,600,336, June 10.
Well screen. G. F. Abendroth. 2,600,150, June 10.
Wheel: *See*—
Rotary hoe wheel. Skate wheel.
Wheel brake drum assembly. H. K. Gandelot. 2,599,707, June 10.
Window and screen assembly. J. Sylvan. 2,600,283, June 10.
Window jamb anchor and adjuster, Combined. E. Peremi. 2,600,072, June 10.
Window operator. A. D. Brundage. 2,599,744, June 10.
Window sash. E. Clerk. 2,599,811, June 10.
Wirepulling device. L. F. Mallasch. 2,599,929, June 10.
Wrench: *See*—
Adjustable bolt-holding wrench. Radiator cap and steam baffle wrench.

CLASSIFICATION OF PATENTS

ISSUED JUNE 10, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business May 23, 1952

Total number of patent applications awaiting action, 97,767. Date of oldest new application, August 16, 1951; date of oldest amended application, August 13, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	9-19-51	9-17-51	1992
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	11-5-51	11-1-51	1097
3. WINDHEIM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	10-26-51	10-22-51	1551
4. FALLER, E. A., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	8-27-51	8-27-51	1536
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	10-4-51	9-28-51	1224
6. SURLE, H., Carbon Chemistry (part)	9-26-51	9-14-51	1835
7. ANDERSON, E. G. (Acting), Optics; Photography (part)	10-9-51	10-12-51	1178
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	9-10-51	9-10-51	1529
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	8-28-51	9-6-51	1339
10. NEFF, P. R. (Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	9-4-51	9-1-51	1354
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	9-12-51	8-31-51	899
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-21-51	8-24-51	1225
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	8-22-51	8-22-51	1065
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	8-27-51	8-21-51	1600
15. STEPHENSON, W. J. (Acting), Plastics; Plastic Block and Earthenware Apparatus; Glass	11-17-51	11-15-51	1116
16. LOVEWELL, N. N., Television, Telephony	9-10-51	9-11-51	1248
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	8-17-51	8-13-51	1795
18. KURZ, J. A., Power Plants; Speed Responsive Devices	8-20-51	8-21-51	1129
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-12-51	9-4-51	1116
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	9-18-51	9-17-51	1346
21. MADER, R. C., Textiles	8-24-51	8-24-51	1316
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	8-30-51	8-29-51	1057
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	9-29-51	9-17-51	802
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	9-27-51	9-26-51	1408
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	8-29-51	8-31-51	1158
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	8-25-51	8-24-51	1252
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	8-29-51	8-29-51	1528
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	8-27-51	8-25-51	1216
29. HABECKER, L. B., Button Making; Woodworking; Tools	9-1-51	9-4-51	1033
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	10-8-51	10-8-51	1433
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	9-13-51	9-17-51	1994
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange: Gas Separation; Agitating	9-6-51	9-14-51	1114
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	8-24-51	8-27-51	1915
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	8-25-51	8-24-51	1324
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	9-6-51	9-7-51	1356
36. McFADYEN, A. D., Measuring and Testing	8-28-51	8-27-51	1167
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	9-26-51	9-11-51	1301
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	8-21-51	8-24-51	1499
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	8-18-51	8-18-51	2582
40. DRUMMOND, E. J., Receptacles (part); Packages	9-26-51	9-24-51	1351
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	9-1-51	9-1-51	1079
42. MARANS, H., Electric Signaling (part, except submarine, altimeters, distance or direction measuring, and object detection); Signals; Telegraph (part); Signals and Indicators.	9-26-51	9-10-51	1063
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	10-4-51	9-19-51	1217

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 97,767. Date of oldest new application, August 16, 1951; date of oldest amended application, August 13, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
44. HARVEY, L. P., Beds; Chairs, Seats	8-20-51	8-16-51	1328
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	9-7-51	9-5-51	1259
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	9-14-51	9-6-51	901
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	9-13-51	9-5-51	1535
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	8-31-51	8-22-51	1603
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring	8-28-51	8-23-51	1320
50. BENGEL, W. G., Synthetic Resins	10-30-51	11-2-51	1496
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	9-8-51	9-6-51	1321
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	9-10-51	9-17-51	2030
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	9-17-51	9-17-51	990
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-28-51	8-31-51	1574
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	9-12-51	9-12-51	1072
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	9-21-51	9-19-51	1830
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	9-15-51	9-8-51	1663
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	8-27-51	8-20-51	793
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	9-29-52	9-19-52	1075
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9-28-51	9-18-51	1003
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	9-5-51	8-31-51	1223
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	01-20-51	10-6-51	1309
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	9-5-51	9-8-51	1503
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	10-1-51	10-1-51	1871
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	9-4-51	8-31-51	1459
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	8-25-51	8-24-51	1000
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	9-21-51	9-12-51	1230
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	9-28-51	9-14-51	1546
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	8-31-51	8-31-51	1276
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	8-16-51	8-13-51	2934
DESIGNS: A. BREHM, G. L., Industrial Arts	2-21-52	2-28-52	541
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	2-4-52	2-1-52	721

Total number of trade-mark applications awaiting action (including renewals and republications), 13,980. Date of oldest new application, Nov. 21, 1951; date of oldest amended application, Nov. 21, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	11-21-51	11-21-51	3430
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	12-4-51	12-4-51	3370
Renewals (All Classes)	3-22-52	4-19-52	711
Republications (All Classes)	3-22-52	4-19-52	193
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	12-6-51	11-26-51	3231
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	12-1-51	12-1-51	3045

Correction of error in the O. G. of May 20:—Oldest dates for divisions 2, 3, 15 and 50 should have read "October 1951." Trade-Mark division I should have read "October," divisions II, III and IV should have read "November 1951." In the O. G. of May 27, Trade-Mark divisions I through IV should have read "November 1951."

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

ANDREWS *v.* WICKENDEN

No. 5840. Decided February 18, 1952

[— F.2d —; 93 USPQ 27]

1. CLAIMS — PARTICULARITY — RECOURSE TO SPECIFICATION IMPROPER.

Claims do not meet the statutory requirement of particularity if one skilled in the art must have recourse to the specification for limitations which are not set out in the claims.

2. INTERFERENCE—COPYING PATENT CLAIMS—AFTER ONE-YEAR PERIOD—CRYNES *v.* MUSHER CONSTRUED.

Where an applicant copies a patent claim subsequent to the statutory one-year period after the issue of the patent, and the applicant's original claims did not specify the required distilling temperature set forth in the interference count, *Held* that the Board of Interference Examiners unduly extended the doctrine of *Crynes v. Musher*, 34 CCPA 933, 603 O. G. 12, in holding that the applicant's original claims manifestly embraced a prima facie operative distilling temperature.

3. SAME—SAME—SAME—OMISSION OF ESSENTIAL LIMITATION.

Held that the applicant, during the critical period, by omitting the limitation to the distilling temperature was not claiming the same, or substantially the same invention defined by the count and was estopped from asserting the amendment embodying the patent claim by reason of the mandate of the statute, and the decision of the Board of Interference Examiners is, therefore, reversed.

APPEAL from Patent Office. Interference No. 83,204.

REVERSED.

Watson, Johnson, Leavenworth & Blair (*David A. Woodcock* and *Gardner J. O'Boyle* of counsel) for appellant.

Adams, Forward and McLean (*Lawrence D. Dibble, Curt Von Boetticher, Jr.*, and *R. T. McLean* of counsel) for appellee.

O'CONNELL, *J.*:

This appeal was taken by the junior party from an adverse decision of the Board of Interference Examiners of the United States Patent Office awarding to appellee, Wickenden, priority of invention of the subject matter defined by the count in issue, which reads as follows:

In a process for the conversion of an acid sludge resulting from treatment of a petroleum distillate with sulphuric acid into an active carbon, the improvement which comprises the step of distilling the acid sludge at a temperature below about 750° F., in combination with the step of using an atmosphere of steam while thereafter heating the resulting material above 750° F. for further carbonization and activation.

The interference involves a patent for "Processing Acid Sludge," granted January 15, 1946, upon an application filed by appellant's assignor, Andrews, on February 14, 1944, and assigned by him on the same date to appellant, Wilson Carbon Company, Inc., of New York City; and appellee's application for a patent for the "Treatment of Waste Oil Refinery Sludge Coke," which application, Serial No. 497,559, was filed August 5, 1943, approximately six months earlier than Andrews' filing date. Andrews died March 3, 1947. The interference was initiated February 18, 1948, and all proceedings therein for the junior party have been conducted by appellant, the inventor's assignee. Both parties took testimony and submitted briefs, but only appellant was represented at the final hearing.

Appellee Wickenden copied appellant's patented claim 14 on November 22, 1947, for the purpose of provoking the interference. That date was more than one year after the said patent to appellant had issued.

During the motion period, namely on June 10, 1948, appellant, among other things, moved on the ground of estoppel to dissolve the interference under R. S. 4903, 35 U. S. C. 51, and Rule 94 of the Rules of Practice of the Patent Office, each of which then provided in identical terms as follows:

No amendment for the first time presenting or asserting a claim which is the same as, or for substantially the same subject matter as, a claim of an issued patent may be made in any application unless such amendment is filed within one year from the date on which said patent was granted.

There is no dispute on the point that when the party Wickenden amended his application on November 22, 1947, by incorporating therein the claim which he had copied from appellant's issued patent, such amendment had not been filed by the appellee within one year from the date on which said patent was granted to appellant.

Appellant contended that the limitation of the statute, as well as that set forth in Rule 94, created an estoppel against the filing of appellee's amendment because prior to his assertion of the copied claim, appellee had never before presented a claim which defined the first step of the count; namely, "distilling the acid sludge at a temperature below about 750° F." to produce the intermediate coke product.

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The tribunals of the Patent Office denied the motion to dissolve for the stated reason that before the expiration of the one-year period, appellee had asserted in his application a claim for substantially the same subject matter as that defined by the count, citing *Crynes* v. *Musher*, 34 CCPA (Patents) 963, 161 F.2d 217, 73 USPQ 290, 603 O. G. 12. Both tribunals found in reaching their conclusions that while appellee's original process claims did not expressly include the first step of producing the coke product by the distillation of acid sludge at the limited temperature called for by the count, nevertheless that step was necessarily inherent and claimed in the following quoted language which constitutes the introductory matter in each of those claims:

> In the method of treating waste oil refinery sludge coke to convert it into a highly useful article of commerce, the improvement which comprises heating granules of the * * * coke * * *.

During the prosecution of his application by the inventor Andrews, the subject matter of the count was defined as follows by the Primary Examiner:

> Applicant's invention resides in discovering the criticality of distilling the acid sludge, at temperatures below 750° F. in combination with the practice of using steam when this material is heated above 750° F. for further carbonization and/or for activation. Applicant's acceptable showing by affidavit is directed to this combination, and it is on the basis of this showing that claims 2–14, inclusive, would be [and were] allowed. * * *

The Board of Interference Examiners was more specific on certain other points and described the invention of the count as follows:

> The involved invention relates to a process for converting acid sludge into active carbon. The acid sludge employed occurs as a by-product in the treatment of petroleum distillates with sulfuric acid, as commonly practiced in oil refining. The invention as defined by the single count requires two steps, the first of which involves distilling the acid sludge at a temperature "below about 750° F." The second step involves heating the resultant residue above 750° F. in an atmosphere of steam for "further carbonization and activation."

The Board approved the Examiner's rejection of appellant's contention on the ground of estoppel and on that question expressed its position as follows:

> The claims, of course, [appellee's original process claims] are broader than the count in issue in that they lack the temperature limitation, but manifestly an operative distilling temperature is inherently embraced therein. It is unimportant, as we view it, that temperatures exceeding 750° F. may produce inoperative cokes, so long as there is disclosed in Wickenden the prima facie operative step of producing the coke in a manner satisfying the count. In these circumstances, to impute the claiming of inoperable matter in order to destroy the plain intention in Wickenden's original claims to define a process for producing highly absorptive carbon is believed unjustified.

Appellant's respective petitions for rehearing and reconsideration not only of the decision of the Examiner but also of the Board on the question of estoppel were denied by both tribunals on the ground that appellant's contentions on that point had no merit.

The described sludge coke, it may be noted, was regarded as a relatively useless residue, sometimes employed as fuel. One of the objects of the invention of the count was to provide a method of converting the acid sludge into a highly valuable article of commerce.

While the introductory clause of appellee's original process claims was relied upon as the basis for the contention that those claims define substantially the same invention as the invention of the count, appellee also contends that in his specification he "has disclosed the temperature range of the first step of count at least once in very definite language [550° F.] and twice by clear implication in view of his express disclosures and the state of the art."

The Examiner in his decision on appellant's petition for rehearing and reconsideration, among other things, stated:

> the only teaching of [the] party Wickenden as to a distilling temperature is a temperature below the limits of the count, namely, about 550° F. Party Wickenden has shown two specific methods for converting acid sludge into sludge coke by heating at such temperature; an older method using hot combustion gases, and a newer method using two kilns.

On that point, appellant challenges here, as it did below, the validity of the Examiner's quoted statement of fact and urges that in one of the methods described in appellee's specification for treating the acid sludge, appellee disclosed a temperature of upwards of 932° F.

[1] The United States Court of Customs and Patent Appeals has recently held that the limitation of a process claim which calls for the step of heating a substance, without enumerating the degree of temperature required to effect the desired or operative result, does not satisfy the statutory degree of particularity required by the statute.[1] This court has also recently held that claims do not meet the statutory requirement of particularity if one skilled in the art must have recourse to the specification for limitations which are not set out in the claims.[2]

Controlling questions of law here involved have been further explained and summarized more specifically by this court in the following three cases: *Kropa* v. *Robie et al.*, 38 CCPA (Patents) 858, 187 F.2d 150, 88 USPQ 478, 646 O. G. 1401; *In re Frey*, 37 CCPA (Patents) 1052, 182 F.2d 184, 86 USPQ 99, 639 O. G. 5; *In re Draeger et al.*, 32 CCPA (Patents) 1217, 150 F.2d 572, 66 USPQ 247, 581 O. G. 7.

[2] For example, the Board in holding that appellee's original process claims, although broader than the count in issue, manifestly embraced a prima facie operative distilling temperature, unduly extended the doctrine of *Crynes* v. *Musher*.[3] The true significance of the law of that case was explained by this court in the case of *In re Frey*, supra, to the following effect:

> We think it is too clear to require discussion that in the use of the word "covering" in the case of *Cryns* v. *Musher*, supra, there was no intention to hold that a broad claim which merely covers the invention of a patent claim is a claim to substantially the same invention as the patent claim, so as to avoid estoppel. A careful analysis of our decision in that case plainly discloses that in order to come within the exception of Rule 94 one must have been claiming or asserting a claim or claims the same as, or for substantially the same subject matter as the claim or claims of the issued patent. * * *

On the point as to what constitutes inherency, or "prima facie" inherency, and the effect of overlapping ranges in a contested claim, this court in the case of *In re Draeger et al.*, supra, expressed the following pertinent rules of law:

> Inherency does not mean that a thing might be done, or that it might happen, as in the instant case, one out of twenty odd times; but it must be disclosed, if inherency is claimed, that the thing will necessarily happen. * * * The mere fact that appellants' broad range overlaps at one end does not make it a disclosure of the critical limitations in the appealed claims. Appellants' application as filed fails to teach the gist of the invention here involved, and they should not now be permitted, on said disclosure, to extract from an issued patent, claims obviously based upon the disclosure of a critical element not even hinted at in their specification. To hold otherwise would encourage rather than discourage indefinite, broad disclosures and thus prevent inventions relating to critical matters, as does the one involved here, from being taught to the public.

Kropa v. *Robie et al.*, supra, among other things, reaffirmed the principle of law uniformly applied by this court to the effect that the counts in an interference proceeding are to be given the broadest interpretation which their language reasonably will permit; bearing in mind, however, that express limitations defined by the counts are not to be disregarded but must be considered material.

[3] On the facts presented by the record in the instant case we are of opinion that appellee, during the critical period, was not claiming the same or substantially the same invention defined by the count and was estopped from asserting the amendment here in issue by reason of the mandate of the statute and of Rule 94 hereinbefore set forth. In view of that conclusion it is not necessary to consider other findings made by the Board.

The decision of the Board of Interference Examiners, for the reasons hereinbefore stated, is reversed.

REVERSED.

[1] *In re Patrick*, 38 CCPA (Patents) 1105, 189 F.2d 614, 90 USPQ 28, 650 O. G. 8. See also R. S. 4888, 35 U. S. C. § 33.

[2] *In re Cresswell*, 38 CCPA (Patents) 917, 187 F.2d 632, 89 USPQ 147, 647 O. G. 8.

[3] *Crynes* v. *Musher*, 34 CCPA (Patents) 963, 161 F.2d 217, 73 USPQ 290, 603 O. G. 12.

U. S. Court of Customs and Patent Appeals

IN RE HORNEMAN ET AL.

No. 5812. Decided January 29, 1952

[194 F.2d 108; 92 USPQ 316]

1. DOUBLE PATENTING—COMBINATION AND SUBCOMBINATION—STATEMENT OF OBVIOUSNESS IN PATENT NOT CONTROLLING AS TO SPECIFIC COMBINATION.

   Where the claims in the parent patent are directed to a process of preparing an intermediate in the production of butter, *Held* that, while a statement in the patent that the intermediate is obviously adaptable for use in the preparation of butter and other foods would negative invention in the broad concept of making butter therefrom, the statement cannot be construed as an admission that specific and new steps for converting the concentrate into butter are obvious and uninventive.

2. SAME—SAME—IN RE FREEMAN CONSTRUED.

   Since the appellants do not assert that there is a separate and distinct invention in the broad concept of using the concentrate of the patent claims in making butter, but rather, that the second invention lies in the particular new steps in the application claims for converting the concentrate into butter, *Held* that the doctrine of *In re Freeman*, 35 CCPA 920, 166 F.2d 178, 610 O. G. 498, does not apply since that case would be proper authority only for a double patenting rejection of claims based essentially on the process of the parent patent claims.

3. PATENTABILITY—PARTICULAR SUBJECT MATTER—BUTTER PRODUCT.

   Certain claims to a butter product *Held* not properly rejected on the ground of double patenting.

APPEAL from Patent Office. Serial No. 741,088.

REVERSED.

Norman E. H. Deletzke for appellants.

E. L. Reynolds (*Clarence W. Moore* of counsel) for Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in finally rejecting claims 1, 3, 4, 10, 12, 13, and 24 to 34 inclusive of appellants' application, Serial No. 741,088, for a patent on a butter product. No claims were allowed.

In their brief, appellants withdrew the appeal as to claims 1, 3, 4, 30 and 34. Such withdrawal is treated as a motion to dismiss these claims and the motion is allowed. *In re Jannell*, 28 CCPA (Patents) 1262, 120 F.2d 1012, 50 USPQ 51, 533 O. G. 517. This leaves for our consideration claims 10, 12, 13, 24 to 29 inclusive, 31, 32 and 33.

On December 6, 1940, appellants filed an application for Letters Patent on a process for making a milk fat concentrate. That application issued as Patent No. 2,423,834 on July 15, 1947. The application herein involved comprises a disclosure substantially identical with that of appellants' earlier application and was filed on April 12, 1947, thus making the two cases copending. The Patent Office tribunals therefore treated the present application as a division of appellants' prior patent referred to above.

All of the appealed claims were finally rejected by the Examiner on the ground of lack of patentable novelty over conventional butter products. The claims were further rejected as unpatentable over appellants' copending Patent No. 2,423,834 on the ground of double patenting. The Board reversed the Examiner on the first ground of rejection, but affirmed the rejection on the ground of double patenting. Hence, the correctness of this latter rejection is the sole issue before this court.

In their patent and present application, appellants disclose a process for producing a milk fat concentrate and butter respectively, which process comprises the following steps:

Cream of appropriate milk fat content is introduced into a chamber of subatmospheric pressure wherein it is subjected to direct action of steam while under reduced pressure. The milk fat in the cream which has been so treated, while still at a temperature above its melting point, is then concentrated by subjecting it to the action of a centrifugal type separator. Here the concentrated milk fat, containing 80–98% butterfat depending on the extent of centrifuging action, is separated from the other constituents of the cream. To produce butter, an aqueous solution containing salt and any other desired ingredients is added to this concentrate while in a liquid state. The resulting mixture is then passed to a unit where it is simultaneously cooled and stabilized, and it is then subsequently passed to a tempering unit where the desired texture of the product is developed.

In considering the claims involved here, it is deemed desirable to set forth the Examiner's comparison of appellants' process and ordinary butter making. The Examiner stated:

> In the ordinary process, briefly, cream is churned to butter. In cream as in milk the fat which is often called milk fat or butterfat is in the dispersed phase whereas the non-fat liquids constitute the continuous phase. In butter the fat is in the continuous phase and the non-fat liquid, in this case water, is in the dispersed phase. Thus a reversal in colloidal phase relationship takes place when cream is churned to make butter. This change is from fat-in-water to water-in-fat. In applicants' process this change or reversal in colloidal phase relationship takes place not when the cream is worked into butter but prior thereto when the cream is treated to produce what applicants term "concentrated milk fat." • • •

The sole reference relied on to sustain the double patenting rejection in issue is Horneman et al., 2,423,834, July 15, 1947. This reference is appellants' own patent referred to above.

Claim 24, which is one of the broadest of the appealed claims, was considered illustrative by the Board. That claim reads as follows:

> 24. Butter, comprising a mixture of water and milk serum solids and butterfat in the continuous phase derived directly in liquid form from cream by destabilizing the cream and separating the liquid butterfat therefrom, said mixture when converted into butter having the consistency obtained by cooling and simultaneously stabilizing the mixture under a superatmospheric pressure for a period of time sufficient to crystallize a substantial portion of the fat crystallizable at room temperatures.

For reasons presently to appear, we also set out claim 32, which is the most specific claim on appeal. That claim reads as follows:

> 32. Butter made by a process which includes the steps of destabilizing a dairy product containing milk fat in the dispersed phase, separating liquid milk fat in the continuous phase from the destabilized dairy product, adding to the separation fraction containing the milk fat in the continuous phase a quantity of standardizing solution taken from a group consisting of water and salt and milk serum solids whereby to produce the desired butter composition in the mixture, blending the standardized mixture, subjecting the blended mixture to cooling and simultaneous stabilization to a degree necessary to convert a substantial portion of the milk fat content of the mixture into minute milk fat crystals, and thereafter subjecting the cooled butter to relatively quiescent confined flow for a period of time during which the major portion of the crystallization of the butterfat in the butter occurs.

The appealed claims, although directed to a product, include considerable recitation of process steps used in making it.

Claim 1 of appellants' patent is considered typical of the six method claims granted therein. That claim is set out below for comparison of the claims in issue with the claimed subject matter of the patent. It reads as follows:

> 1. The process of making a milk fat concentrate of value as an intermediate in the process of producing butter, which comprises subjecting cream containing milk fat in the dispersed phase to reduced pressure, subjecting the cream while at the reduced pressure to the direct action of steam, concentrating the milk fat by subjecting the treated cream while at a temperature above the melting point of said fat to a centrifuging action, and separating the concentrated fat in the continuous phase from the other constituents of said cream.

Towards the end of the disclosure in their copending Patent No. 2,423,834, appellants stated:

> It will be obvious to those skilled in the art that the milk fat concentrate of the present invention is particularly adaptable for use as an intermediate in the preparation of quality and composition controlled butter. It will also be obvious to those skilled in the art that the milk fat concentrate is also adaptable for use in the manufacture of cheese, ice cream, frozen desserts, confections, baked goods and the like.

The Examiner held that "if it is obvious to make this butter from the intermediate milk fat product, as stated in the patent, then the butter so produced would be but an obvious application or adaptation of the patent and thus lacking in patentable distinction. Patentable distinction is required to avoid double patenting • • •." The Board similarly held that if such use were obvious as stated in the patent, "then it is equally obvious there is not a second invention involved in the herein appealed claims over the claims of appellants' patent." The Board further held that while the claims of the two cases differ in scope and are not coextensive, both sets of claims include as the principal feature of novelty recitation of the milk fat concentrate in terms of the manner in which it is produced, and therefore they are directed to a single invention.

An inventor is only entitled to one patent for one invention and he cannot prolong his monopoly by claiming nothing more than the same invention in different language. *In re Fischer*, 19 CCPA (Patents) 1077, 57 F.2d 369, 13 USPQ 144, 420 O. G. 571, citing many authorities. It is settled law that if an inventor has obtained a patent for a certain invention, he may not, in a subsequent application, be allowed a patent containing claims which do not distinguish patentably over those of the issued patent. *In re Copeman*, 30 CCPA (Patents) 962, 135 F.2d 349, 57 USPQ 312, 553 O. G. 562, citing *In re Fischer*, supra. When the appealed application is copending with the parent application, the latter is not a technical prior art reference but is to be looked to only for what it claims. *In re Coleman et al.*, 38 CCPA (Patents) 1156, 189 F.2d 976, 90 USPQ 100, 650 O. G. 926, and cases cited therein.

In the recent case of *In re Coleman et al.*, supra, we discussed at some length various considerations which may have some bearing in deciding a question of double patenting. We there noted that a frequent double patenting situation involves claims related as combination and subcombination, or more broadly, where the subject matter of one application as claimed comprises only an element of the subject matter of the other application as claimed. Discussing the law pertaining to this situation, we stated:

> It is settled law that a party might be entitled to a patent for a combination *because of the cooperation of the elements contained therein*, and at the same time be entitled to a separate patent for one of the elements of the combination. *In re Carlton*, 22 CCPA (Patents) 1223, 77 F.2d 363, 25 USPQ 390; *In re Ferenci*, 23 CCPA (Patents) 1023, 83 F.2d 279, 29 USPQ 162. In such a case, the question to be determined is whether two or more different inventive concepts are involved. *In re Hadsell*, 36 CCPA (Patents) 1075, 173 F.2d 1010, 81 USPQ 376. If the claims are so related that the separately claimed element constitutes the essential distinguishing feature of the combination as claimed, different concepts are not involved, the inventions are not distinct, and double patenting will be found. *Palmer Pneumatic Tire Co. v. Lozier*, 90 F. 732; *In re Hawkins*, 19 CCPA (Patents) 1104, 57 F.2d 367, 13 USPQ 36. Conversely, where the element does not constitute the sole distinguishing novelty in the combination the inventions are distinct and double patenting will not be found. *In re Creveling*, 46 App. D. C. 536; *In re Ferenci*, supra.
>
> If the combination claim does not set forth any of the details of the separately claimed element, this is cogent evidence that the combination is not made patentable solely by the inclusion of the element. *In re Creveling*, supra • • • [Italics the court's.]

We think that the situation involved in the case at bar is analogous to that involving claims related as combination and subcombination in mechanical patent cases. The appealed product claims are based on the over-all disclosed process of making butter. The claims of the parent patent, however, are directed in detail to only an element of that over-all butter making process, namely, the method of making the milk fat concentrate which is of particular use in the complete butter making process. Thus the claims of the patent may be considered as "subcombination" claims, whereas the appealed claims may be regarded as "combination" claims. Hence, although the cases cited in the above quoted portion of *In re Coleman et al.*, supra, did not involve process subject matter, as in the case at bar, the principles set out in that excerpt are, in our opinion, apposite to the instant case.

The problem before this court, therefore, is to determine whether, in the light of the principles discussed, the claims at bar were properly rejected on the grounds of double patenting. As we pointed out in *In re Coleman et al.*, supra, quoting the Supreme Court[1], "' • • • to determine when a given invention or improvements shall be embraced in one, two, or more patents • • • is often a nice and perplexing question.'" Each case must be determined on its own facts in consonance with the pertinent law.

Appellants contend that the statement of obviousness in the parent patent disclosure (quoted supra) referred only to the broad general concept of using the milk fat concentrate as an intermediate element in the production of butter in the same sense that the use of the concentrate in baked goods and ice cream, etc., was also declared to be obvious; that they have disclosed, and the claims in issue recite, particular and specific new method steps for converting the concentrate, made by the process claimed in their patent, into an improved butter product having a desired texture and containing several additional ingredients in desired proportions; and that, in view of these considerations, the Board erred in holding that the above-quoted statement in the patent negatived the existence of a second distinct inventive concept.

[1] It is our opinion that these contentions of appellants have merit. We agree with the Board to the extent that the statement of obviousness involved here would negative the existence of invention in the broad general concept of using the concentrate produced by the patented claims for making butter; and claims relying on this broad general concept as the sole point of novelty would be properly rejected on the ground of double patenting. However, considering the patent disclosure as a whole, and the context in which this particular statement appears, we do not think that this statement can be properly construed as an admission by appellants that the particular, specific and allegedly new steps for converting the concentrate into an allegedly improved butter product are obvious and hence uninventive.

[1] *Steinmetz v. Allen*, 192 U. S. 543, 1904 C. D. 703, 109 O. G. 549, quoting from *Bennet v. Fowler*, 75 U. S. (8 Wall.) 445.

In reaching its conclusion that there was but one inventive concept involved, the Board also relied in part on the cases of *In re Freeman*, 35 CCPA (Patents) 920, 166 F.2d 178, 76 USPQ 585, 610 O. G. 498, and *In re Byck*, 18 CCPA (Patents) 1208, 48 F.2d 665, 9 USPQ 205, 410 O. G. 284, cited therein. *In re Freeman* being the more pertinent of the two cases, we deem it unnecessary to discuss *In re Byck*. In the *Freeman* case, the inventor had obtained a patent on an extraction process for producing a certain type of oil, and in his patent disclosure he broadly suggested the use of that oil in paints and varnishes. He also filed a later copending application in which he claimed a coating composition defined essentially in terms of the method of making the oil base, which method was claimed in his patent; some claims also recited a pigmentary material the use of which the court regarded as obvious and not inventive. It is clear from its opinion that the court considered that any limitations in the contested product claims directed to the use of the oil in a coating composition were necessarily based on the broad suggestion of such use in the disclosure of the parent patent. The court therefore concluded that the separate sets of claims were based on but a single invention. That is, the parent patent was regarded as disclosing only a single inventive concept involving the production of an oil particularly useful as a paint or varnish base; and the broad concept of using that oil in a coating combination (such use being only broadly claimed) was not deemed an inventive concept separate and distinct from that claimed in the prior patent.

[2] However, we think the case at bar distinguishable from *In re Freeman*, supra. Appellants here do not assert that there is a separate and distinct invention in the broad concept of using the concentrate for making butter. Rather, as discussed above, they assert that the second invention lies in the particular and specific and allegedly new steps for converting the concentrate into an improved butter product. The *Freeman* case would indeed be proper authority for a double patenting rejection of claims based essentially on the process of the parent patent claims. Under the holding of that case, moreover, the recitation in the claims of other known or obvious and uninventive features would not avoid such a rejection. Furthermore, as was also stated in *In re Freeman*, supra, the mere fact that claims are technically in different statutory classes does not avoid such a rejection. But, although we agree with the Board that *In re Freeman*, supra, is proper authority to the extent discussed, we do not consider it to be authority for holding in the circumstances of this case that a specific particular method, comprising allegedly new and inventive steps for converting the concentrate into an allegedly improved butter product, must necessarily likewise be held not to involve a separate and distinct inventive concept.

The Patent Office tribunals cited no prior patents or publications to show the lack of patentable nov-

elty or invention in the specific disclosed method steps for converting the concentrate to butter, which steps appellants allege are both new and inventive and result in a new improved butter product. Nor did the Patent Office tribunals even assert that these particular steps were obvious. The holding of the Board of Appeals that there was but a single inventive concept was based wholly on the two grounds which we have already discussed in detail and rejected as improper, namely, appellants' statement of obviousness in their patent quoted in the excerpt above and the Board's interpretation of *In re Freeman*, supra. We therefore are of the opinion that the Board erred in so holding.

Having resolved this question, we must now turn to the respective sets of claims to determine whether, in the light of the governing principles set out in the above-quoted portion from *In re Coleman*, supra, each set of claims is drawn to a separate and distinct invention.

Comparing the appealed "combination" claims (see claims 24 and 32 above) with the "subcombination" claims of the patent (see claim 1 above), we find the following:

(1) The "combination" claims in issue include only broad recitation of the "subcombination" without setting forth the details of the "subcombination" separately claimed in appellants' patent. This is particularly apparent in comparing appealed claim 24 with patent claim 1.

(2) The appealed "combination" claims recite, in varying detail, particular and specific allegedly new method steps for converting the concentrate into a butter product having desired consistency and containing several additional ingredients in desired proportions. On the other hand, however, none of the "subcombination" claims of appellants' patent recite any of those steps. Hence, the appealed "combination" claims do not rely on the process of the patented "subcombination" claims as the essential or sole distinguishing feature of the "combination" as claimed. This is particularly apparent in comparing the most specific appealed claim 32 with patent claim 1.

Applying in particular the respective criteria of *In re Hawkins*, *In re Creveling* and *In re Ferenci*, cited in the excerpt from *In re Coleman et al.*, supra, we are of the opinion that the appealed claims are patentably distinct from those of appellants' patent.

The Solicitor of the Patent Office contends in his brief that "* * * If it [the butter product of the appealed claims] is structurally different from ordinary butter, then it is not apparent why it need be defined by resort at all to process limitations. * * *," citing *In re Moeller*, 28 CCPA (Patents) 932, 117 F.2d 565, 48 USPQ 542, 527 O. G. 559, wherein this court held that, barring the exceptions of unusual cases, it is generally improper to claim an allegedly new and inventive product in terms of the process by which it is made.

It is our opinion that, upon the record before us, we may not consider this contention. We may only consider the rejection of double patenting since that is the only issue properly before this court. A similar situation arose in the case of *In re Davis et al.*, 29 CCPA (Patents) 723, 123 F.2d 651, 51 USPQ 458, 536 O. G. 227. In that case, the propriety of a double patenting rejection was the sole issue properly before this court, and the Solicitor argued the unpatentability of the claim per se; we there held that under such circumstances we could not properly consider the latter question raised by the Solicitor.

[3] Since it is our opinion, for the reasons hereinbefore set out, that the invention of the appealed claims is separate and distinct from the invention claimed in appellants' patent, we hold that the appealed claims were improperly rejected on the ground of double patenting.

In view of the foregoing, the appeal is dismissed as to claims 1, 3, 4, 30 and 34, and the decision of the Board of Appeals as to claims 10, 12, 13, 24 to 29 inclusive, 31, 32 and 33 is reversed.

REVERSED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,762,808, S. Baldyzar, Radiator heating connection for boilers; D. C., N. D. Ill. (Chicago), Doc. 51c1170, *S. Baldyzar* v. *Chicago, Milwaukee, St. Paul & Pacific R. R. Co.* Defendant's motion to dismiss cause on merits sustained; dismissed with prejudice Jan. 11, 1952.

2,073,270, B. Valjean, Combustion apparatus, filed June 28, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1015, *Michigan Tank & Furnace Corp.* v. *Breese Burners, Inc.*

2,120,667, B. Gruskin, Therapeutic agent for use in the treatment of infection, suit for declaratory judgment filed Apr. 1, 1952, D. C., S. D. N. Y., Doc. 74/247, *Wenet Dental Mfg. Co., Inc., et al.* v. *Rystan Co., Inc.*

2,121,574, G. C. Romig, Art of coating zinc, filed May 1, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. 12609, *American Chemical Paint Co.* v. *Octagon Process, Inc.*

2,131,406, Mosmieri & Dal Pino, Device for tempering sheets of glass, of steel and other material by air, filed Dec. 31, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c2136, *The American Securit Co.* v. *Dearborn Glass Co.*

2,134,676, L. G. Sommers, Edge buffing wheel, D. C., N. D. Ill. (Chicago), Doc. 50c1583, *Joseph R. Davies & Associates* v. *Allied Industrial Products, Inc.* Cause dismissed with prejudice Apr. 22, 1952.

2,173,686, J. F. Hamje, Paper bedpan cover, filed Apr. 28, 1952, D. C., E. D. N. Y. (Brooklyn), Doc. 12600, *Tidy-House Paper Products, Inc.* v. *American Safety Razor Corp.*

2,177,627, R. G. Drew, Adhesive sheeting, D. C., N. D. Ill. (Chicago), Doc. 51c1789, *Minnesota Mining & Mfg. Co.* v. *Neisner Bros., Inc., et al.* Injunction Jan. 22, 1952.

2,190,443, Dalzell & Miner, Sealing means for rotary shaft openings, filed Sept. 6, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1407, *Cherry-Burrell Corp.* v. *Illinois Creamery Supply Co.*

2,208,374, H. M. Lewis, Television receiving system, filed Oct. 10, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1641, *H. M. Lewis* v. *Avco Mfg. Corp. et al.*

2,279,435, E. Berg, Hair net, filed Apr. 25, 1952, D. C., S. D. N. Y., Doc. 75/127, *Regal Mfg. Co., Inc.* v. *M. B. H. Knitting Mills, Inc., et al.*

2,283,316, Cooper & Roberts, One-stage process for the manufacture of rubber; 2,299,593, D. Roberts et al., Method of making closed cell expanded rubber by internally developed gases; 2,421,831, A. Cooper, Single stage production of gas expanded rubber; 2,291,213, G. R. Cuthbertson, Manufacture of cellular material, filed Apr. 25, 1952, D. C. Md. (Baltimore), Doc. 5811, *Rubatex Products, Inc.* v. *The Holtite Mfg. Co., Inc., et al.*

2,291,213. (See 2,283,316.) 2,299,593. (See 2,283,316.)

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, D. C., N. D. Ill. (Chicago), Doc. 51c1082, *Greenbrier Co.* v. *Forrest Paultry Co.* Patent held valid and infringed Nov. 27, 1951.

2,333,155, H. Dorfman, Lady's garment, D. C., S. D. N. Y., Doc. 46/435, *H. Dorfman* v. *Trillium Silk Undergarment Co.* Stipulation and order of dismissal Apr. 24, 1952.

2,421,831. (See 2,283,316.)

2,428,544, G. C. Breidert, Ventilator, D. C., S. D. Calif. (Los Angeles), Doc. 10180–HW, *G. C. Breidert Co.* v. *Western Engineering & Mfg. Co.* Dismissed with prejudice (notice Apr. 25, 1952).

2,448,908, L. W. Parker, Television receiver, filed May 2, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c963, *L. W. Parker* v. *Zenith Radio Corp.*

2,459,391, S. S. Otis, Knife rack and edger, filed June 12, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c906, *S. S. Otis* v. *National Tex Co.*

2,475,277, F. O. Budnik, Plastic bag having fused seams between wall-forming strips, and slide-fastener tapes, D. C., N. D. Ill. (Chicago), Doc. 51c1475, *Plastic Welding & Sales Co.* v. *Kleinsway, Inc., et al.* Complaint and counterclaim dismissed with prejudice Apr. 29, 1952.

2,515,604, J. S. Kish, Automobile bug deflector, filed Apr. 24, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c909, *E. E. Evans* v. *Santay Corp.*

2,533,527, J. A. Soltis, Baby's automobile seat, filed Apr. 23, 1952, D. C., E. D. Pa. (Philadelphia), Doc. 13570, *Dennis Mitchell Industries* v. *Jessar Mfg. Corp. et al.*

2,556,022, A. Atiyeh, Vacuum cleaner nozzle with variable suction control, D. C., S. D. Calif. (Los Angeles), Doc. 13555–C, *A. Atiyeh* v. *The Filtex Corp.* Claims 1, 3, and 4 held valid and infringed; injunction Apr. 29, 1952.

2,562,841, 2,594,256, C. E. Compton, Mining machine head, filed Apr. 30, 1952, D. C., S. D. Ohio (Columbus), Doc. 3447, *C. E. Compton* v. *Bruns Coal Co., Inc.*

2,579,759, A. Russell, Resinifying hydroxyl formylacetophenones, etc., filed Apr. 29, 1952, D. C., S. D. Ohio (Cincinnati), Doc. 2868, *U. S. A.* v. *C. R. Shook.*

2,588,256, E. J. Lepow, Curtain construction, filed Apr. 30, 1952, D. C., S. D. N. Y., Doc. 75/166, *Home Curtain Corp.* v. *Max H. Kahn Curtain Corp.*

2,588,716, Gochenour & Gouchenour, Process and apparatus for the irradiation of liquids, filed Apr. 28, 1952, D. C., W. D. Mich. (Grand Rapids), Doc. 2038, *Allied Laboratories, Inc.* v. *J. J. Dill Ultra Violet Sales Co.*

2,591,573, C. H. McBurney, Resinous insoluble reaction products of tertiary amines with haloalkylated vinyl aromatic hydrocarbon copolymers, suit for declaratory judgment filed Apr. 29, 1952, D. C., S. D. N. Y., Doc. 75/160, *The Permutit Co.* v. *Rohm & Haas Co.*

2,594,256. (See 2,562,841.)

Des. 146,224, A. Kono, Spectacle frame, D. C., S. D. N. Y., Doc. 47/619, *The Kono Mfg. Co.* v. *Nu-Site Optical Frame Mfg. Co., Inc.* Stipulation and order of discontinuance Apr. 23, 1952.

NOTICES

Insertion of Patent Numbers in Allowed Applications

Where a patent application which is either in issue or ready for issue refers by serial number to a U. S. application which has matured into a patent, the Examiner is authorized to enter the patent number without an Examiner's Amendment. This entry should be in the following form: "now Patent No. ———". This entry is to be initialed in the margin by the Examiner to fix responsibility for the same. The entry and the initials should be in red ink. Order 3141 and the memorandum of December 1, 1947, are modified to the extent indicated.

This authorization does not extend to the insertion of the notation "now abandoned" which, as heretofore, should only be made by Examiner's Amendment.

In cases not ready for issue, the present practice of requiring the applicant to make the necessary amendment will be continued.

JOHN A. MARZALL,
Commissioner.

Adjudicated Patent

(D. C. Mich.) Weeks Patent No. 2,124,324, for a package, *Held* invalid. *Weeks et al.* v. *Variety Nut & Date Company et al.*, 103 F. Supp. 528; 92 USPQ 311.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,505,752, W. P. Burton, Separation of organic compounds, decided May 7, 1952, claim 7.

Pat. 2,422,505, W. H. Tangemann and J. R. Campbell, Flatiron having a retractable support, decided Mar. 10, 1952, claims 1, 2, 3, and 4.

Pat. 2,507,036, J. D. McCrum and E. H. Plesset, Vehicle windshield, decided May 1, 1952, claims 1 and 2.

Pat. 2,517,120, E. G. Linder, Method of and means for collecting electrical energy of nuclear reactions, decided May 5, 1952, claims 1, 3, 4, 5, 7, and 8.

Disclaimer

2,436,462.—*Raymond E. Utter* and *Delbert Henry Stoltenberg*, Toledo, Ohio. REMOTE CONTROLLED PARKING WINDSHIELD WIPER MOTOR. Patent dated Feb. 24, 1948. Disclaimer filed May 16, 1952, by the assignee, *The Electric Auto-Lite Company.*

Hereby enters this disclaimer to claim 2 of said patent.

Cancellation Notices

The Geneva Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by The Borden Company, 350 Madison Avenue, New York 17, N. Y., to effect the cancellation of trade-mark registration of The Geneva Corporation, Lake Geneva, Wisconsin, No. 403,914, dated October 19, 1943, and the notice of such proceeding sent by registered mail to the said The Geneva Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said The Geneva Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—May 27, 1952.)

THOMAS F. MURPHY,
May 12, 1952. *Assistant Commissioner of Patents.*

The Chester Vitamizer, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Natural Food Institute, Olmsted Falls, Ohio, for registration of a trade-mark and Registration No. 373,509, issued December 12, 1939, to The Chester Vitamizer, Inc., 2013 4th Avenue, Seattle, Washington, and the notice of such declaration sent by registered mail to the said The Chester Vitamizer, Inc., at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said The Chester Vitamizer, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—June 10, 1952.)

THOMAS F. MURPHY,
May 16, 1952. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Eastman Kodak Company offers non-exclusive licenses under the patents listed below upon the following terms:

Group A.—Under the patents listed in this group, upon reasonable terms to domestic applicants.

Group E.—Under the patents listed in this group, upon reasonable terms to domestic applicants.

Applications for license may be addressed to: Director, Patent Department, Eastman Kodak Company, 343 State St., Rochester 4, N. Y.

THE PATENTS IN *Group A* RELATE GENERALLY TO THE FIELD OF PHOTOGRAPHY. Groups 28—83—89; 39—12—13—14. Reg. Nos. 47,836 through 47,967.

THE PATENTS IN *Group E* RELATE TO MOTOR FUELS, AND PROCESSES FOR PRODUCING THE SAME. Group 29—11. Reg. Nos. 47,968 through 47,988.

Group A

Pat. 2,136,143. Sound Film. Nov. 8, 1938.

Pat. 2,241,413. Photographic Printing Process and Image for Use Therein. May 13, 1941.

Pat. 2,369,929. Acylamino Phenol Couplers. Feb. 20, 1945.

Pat. 2,391,181. Protective Overcoating. Dec. 18, 1945.

Pat. 2,393,743. Organic Cyanine Base. Jan. 29, 1946.

Pat. 2,393,756. Photographic Color Correction Process. Jan. 29, 1946.

Pat. 2,393,763. Salicylamide Antifoggant. Jan. 29, 1946.

Pat. 2,393,778. Process and Apparatus for the Pyrolysis of Organic Compounds. Jan. 29, 1946.

Pat. 2,393,782. Ocular. Jan. 29, 1946.

Pat. 2,393,783. Preparation of Chemical Cellulose for Esterification. Jan. 29, 1946.

Pat. 2,394,289. Photographic Paper. Feb. 5, 1946.

Pat. 2,394,586. Purification of Lanthanum Salts. Feb. 12, 1946.

Pat. 2,394,587. Preparation of N-Substituted Aminophenols. Feb. 12, 1946.

Pat. 2,394,588. Photographic Developer. Feb. 12, 1946.

Pat. 2,394,600. Substituted Acid Amide Antifoggants. Feb. 12, 1946.

Pat. 2,394,610. Apparatus for Manufacturing Optical Prisms. Feb. 12, 1946.

Pat. 2,394,614. Double Exposure Prevention Device. Feb. 12, 1946.

Pat. 2,394,635. Magnifying Lens System. Feb. 12, 1946.

Pat. 2,394,645. Method and Apparatus for Grinding and Polishing Optical Prisms. Feb. 12, 1946.

Pat. 2,394,721. Lens Centering Device. Feb. 12, 1946.

Pat. 2,394,930. Formation of Mirrors by Thermal Evaporation. Feb. 12, 1946.

Pat. 2,395,846. Sensitized Photographic Emulsion. Mar. 5, 1946.

Pat. 2,396,830. Photographic Process and Composition for Fixing. Mar. 19, 1946.

Pat. 2,396,869. Roll Film Camera. Mar. 19, 1946.

Pat. 2,396,874. Photographic Camera. Mar. 19, 1946.

Pat. 2,396,879. Sulphur-Containing Esters. Mar. 19, 1946.

Pat. 2,396,902. Stereo System. Mar. 19, 1946.

Pat. 2,397,565. Large Aperture Objective. Apr. 2, 1946.

Pat. 2,397,911. Preparation of N-Methyl-p-Aminophenol. Apr. 9, 1946.

Pat. 2,397,924. Photographic Fixing Process and Compositions. Apr. 9, 1946.

Pat. 2,398,004. Controlling the Isoelectric Point of Gelatin. Apr. 9, 1946.

Pat. 2,398,020. Range Finder. Apr. 9, 1946.

Pat. 2,398,026. Coincidence Type Range Finder. Apr. 9, 1946.

Pat. 2,398,027. Invert Field Range Finder. Apr. 9, 1946.

Pat. 2,398,056. Photographic Dry Stripping Material. Apr. 9, 1946.

Pat. 2,398,276. Variable Power Telescope. Apr. 9, 1946.

Pat. 2,398,303. Vacuum Printing Frame Gasket. Apr. 9, 1946.

Pat. 2,398,409. Shutter Drive Mechanism. Apr. 16, 1946.

Pat. 2,398,412. Camera Film Wind and Shutter Control Mechanism. Apr. 16, 1946.

Pat. 2,398,778. Sensitized Photographic Emulsion. Apr. 23, 1946.

Pat. 2,398,999. Polymethine Dyes. Apr. 23, 1946.

Pat. 2,400,346. Airspaced Support. May 14, 1946.

Pat. 2,400,361. Method of Pretreating Cellulose To Facilitate Its Acylation. May 14, 1946.

Pat. 2,400,365. Airspaced Photographic Support. May 14, 1946.

Pat. 2,400,366. Photographic Support. May 14, 1946.

Pat. 2,400,375. Method of Refining Gelatin. May 14, 1946.

Pat. 2,400,872. Diamino-N-Alkyl Phenazinium Salts. May 28, 1946.

Pat. 2,401,324. Wide-Angle Telescope Objective. June 4, 1946.

Pat. 2,401,682. Indicator Assembly. June 4, 1946.

Pat. 2,401,686. Range Finder. June 4, 1946.

Pat. 2,401,688. Range Finder. June 4, 1946.

Pat. 2,401,689. Long Base Range Finder. June 4, 1946.

Pat. 2,401,690. Binocular Range Finder. June 4, 1946.

Pat. 2,401,691. Photoelectric Range Finder. June 4, 1946.

Pat. 2,401,692. Coincidence Range Finder. June 4, 1946.

Pat. 2,401,693. Stereoscopic Range Finder. June 4, 1946.

Pat. 2,401,695. Range Finder. June 4, 1946.

Pat. 2,401,696. Range Finder. June 4, 1946.

Pat. 2,401,697. Range Finder. June 4, 1946.

Pat. 2,401,698. Range Finder. June 4, 1946.

Pat. 2,401,699. Sound Image in Multilayer Film. June 4, 1946.

Pat. 2,401,700. Range Finder. June 4, 1946.

Pat. 2,401,701. Range Finder. June 4, 1946.

Pat. 2,401,702. Range Finder. June 4, 1946.

Pat. 2,401,703. Prism Adjusting and Positioning Mechanism. June 4, 1946.

Pat. 2,401,704. Range Finder. June 4, 1946.

Pat. 2,401,705. Range Finder. June 4, 1946.

Pat. 2,401,706. Range Finder. June 4, 1946.

Pat. 2,401,707. Range Finder. June 4, 1946.

Pat. 2,401,708. Range Finder. June 4, 1946.

Pat. 2,401,709. Range Finder. June 4, 1946.

Pat. 2,401,710. Range Finder. June 4, 1946.

Pat. 2,401,713. Color Photography. June 4, 1946.

Pat. 2,401,718. Method of Making Coupler Dispersions. June 4, 1946.

Pat. 2,402,149. Camera Construction. June 18, 1946.

Pat. 2,403,004. Deesterification of Copolymers of Acrylic Esters and Vinyl Esters. July 2, 1946.

Pat. 2,403,708. Sensitive Photographic Materials. July 9, 1946.

Pat. 2,403,711. Control for Photographic Copying Apparatus. July 9, 1946.

Pat. 2,403,717. Photographic Apparatus. July 9, 1946.

Pat. 2,403,721. Preventing Color Fog in Photographic Material. July 9, 1946.

Pat. 2,403,722. Camouflage Detection. July 9, 1946.

Pat. 2,403,730. Explosively Actuated High-Speed Shutter. July 9, 1946.

Pat. 2,403,731. Beam Splitter. July 9, 1946.

Pat. 2,403,732. Range Finder. July 9, 1946.

Pat. 2,403,737. Mount for Optical Elements. July 9, 1946.

Pat. 2,403,738. Range Finder Construction. July 9, 1946.

Pat. 2,403,892. Photographing Device. July 9, 1946.

Pat. 2,405,106. Photographic Filter and Antihalation Layers. July 30, 1946.

Pat. 2,405,729. Four-Component Objective. Aug. 13, 1946.

Pat. 2,405,731. Variable Circle for Stadiametric Range Finders. Aug. 13, 1946.

Pat. 2,405,739. Photographic Tone Correction Mask. Aug. 13, 1946.

Pat. 2,405,741. Flash Lamp Synchronizing Apparatus. Aug. 13, 1946.

Pat. 2,405,754. Multicolor Printing. Aug. 13, 1946.

Pat. 2,407,206. Method and Apparatus for Grinding and Polishing Surfaces. Sept. 3, 1946.

Pat. 2,407,207. Process of Producing P-Phenylene Diamines. Sept. 3, 1946.

Pat. 2,407,208. Machine for Metering Cement to Lenses. Sept. 3, 1946.

Pat. 2,407,209. Stabilization of Nitrocellulose Film Base. Sept. 3, 1946.

Pat. 2,407,210. Color Couplers. Sept. 3, 1946.

Pat. 2,407,211. Line and Halftone Reproduction. Sept. 3, 1946.

Pat. 2,407,600. Photographic Developer. Sept. 10, 1946.

Pat. 2,409,107. Processing of Certain Non-Gelatin Emulsions. Oct 8, 1946.

Pat. 2,409,126. Synthetic Nitrogenous Resins and Intermediates Therefor. Oct. 8, 1946.

Pat. 2,409,153. Processing Apparatus. Oct. 8, 1946.

Pat. 2,409,162. Photographic Material. Oct. 8, 1946.

Pat. 2,409,174. Luminescent Materials. Oct. 8, 1946.

Pat. 2,409,189. Merocyanine Dyes. Oct. 15, 1946.

Pat. 2,409,612. Pyrrole Dyes. Oct. 22, 1946.

Pat. 2,409,976. Masking Color Transparencies in Mounts. Oct. 22, 1946.

Pat. 2,409,984. Method of Treating Water Resistant Paper. Oct. 22, 1946.

Pat. 2,409,990. Tracing Cloth. Oct. 22, 1946.

Pat. 2,410,616. Apparatus for Molding Lenses. Nov. 5, 1946.

Pat. 2,410,619. Sulfamyl Benzotriazoles. Nov. 5, 1946.

Pat. 2,410,620. Sulfonamidobenzimidazoles. Nov. 5, 1946.

Pat. 2,410,629. Shutter Drive and Timing Mechanism. Nov. 5, 1946.

Pat. 2,410,644. Development of Photographic Emulsions. Nov. 5, 1946.

Pat. 2,410,649. Setting Shutter Drive. Nov. 5, 1946.

Pat. 2,410,685. Hot Melt-Coating Composition. Nov. 5, 1946.

Pat. 2,410,689. Sensitizing Photographic Emulsions. Nov. 5, 1946.

Pat. 2,410,690. Method of Improving the Sensitivity Characteristics of Emulsions. Nov. 5, 1946.

Pat. 2,411,096. Photographic Materials. Nov. 12, 1946.

Pat. 2,411,527. N-Phosphatoarylenediamines. Nov. 26, 1946.

Pat. 2,411,546. Photographic Emulsion. Nov. 26, 1946.

Pat. 2,412,673. Rotary Shutter Driver. Dec. 17, 1946.

Pat. 2,412,674. Photographic Fixing Procedure and Baths. Dec. 17, 1946.

Pat. 2,412,681. Camera Shutter Blade Opener. Dec. 17, 1946.

Pat. 2,412,700. Thioglycolic Amides. Dec. 17, 1946.

Pat. 2,472,128. Coloring Ceramic Objects. June 7, 1949.

Pat. 2,484,451. Bichromate Sensitized Photographic Material. Oct. 11, 1949.

Pat. 2,500,028. Fine-Grained Bichromate Sensitized Photographic Material. Mar. 7, 1950.

Pat. 2,533,530. Photosensitive Coating Containing Rubber Latex. Dec. 12, 1950.

Pat. 2,544,877. Bichromate Sensitized Photographic Materials. Mar. 13, 1951.

Pat. 2,544,903. Photosensitive Coating Containing Dyes. Mar. 13, 1951.

Group E

Pat. 2,004,560. Motor Fuel Products. June 11, 1935.

Pat. 2,023,110. Motor Fuel Distillate. Dec. 3, 1935.

Pat. 2,027,394. Treatment of Hydrocarbons. Jan. 14, 1936.

Pat. 2,030,940. Motor Fuel Products. Feb. 18, 1936.

Pat. 2,038,630. Motor Fuel and Process of Producing the Same. Apr. 28, 1936.

Pat. 2,038,631. Gasoline and Method of Making the Same. Apr. 28, 1936.

Pat. 2,038,632. Gasoline and Method of Making the Same. Apr. 28, 1936.

Pat. 2,039,576. Method of Treating Hydrocarbon Motor Fuels and Products Resulting Therefrom. May 5, 1936.

Pat. 2,039,595. Method of Treating Hydrocarbon Motor Fuels. May 5, 1936.

Pat. 2,047,355. Motor Fuel. July 14, 1936.

Pat. 2,053,511. Gasoline and Method of Making the Same. Sept. 8, 1936.

Pat. 2,053,512. Gasoline and Method of Making the Same. Sept. 8, 1936.

Pat. 2,080,928. Motor Fuel Products. May 18, 1937.

Pat. 2,084,977. Motor Fuel Products. June 22, 1937.

Pat. 2,149,351. Refining and Stabilization of Motor Fuel. Mar. 7, 1939.

Pat. 2,171,780. Method of Inhibiting Gum Formation in Cracked Hydrocarbons. Sept. 5, 1939.

Pat. 2,191,204. Motor Fuel Product. Feb. 20, 1940.

Pat. 2,243,168. Motor Fuel Product. May 27, 1941.

Pat. 2,264,894. Motor Fuel. Dec. 2, 1941.

Pat. 2,265,051. Motor Fuel. Dec. 2, 1941.

Pat. 2,287,359. Motor Fuel Products. June 23, 1942.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 10, 1952

[VOL. 659. NO. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 523,533. The Wm. Powell Company, Cincinnati, Ohio. Filed June 4, 1947. Under 10-year proviso.

UNION DISC

The word "Disc" is disclaimed.

For Angle Valves, Blowoff Valves, Check Valves, Composition Disc Valves, Cross Valves, Globe Valves, Ground Joint Valves, Radiator Valves, Straightway or Y Blowoff Valves and Swing Check Valves.

Claims use since Dec. 1, 1906, on the mark as shown; and since Jan. 1, 1860, as to the word "Union."

CLASS 39

CLOTHING

Ser. No. 520,743. The Lehon Company, Chicago, Ill. Filed Apr. 15, 1947.

MULE-HIDE

For Aprons—Namely, Carpenters' Aprons and Yardsmen's Aprons, Overall Coats, Overall Pants, Coveralls, Boys' Caps, Carpenters' and Painters' Caps, Dust Caps for Personal Wear, Outdoor Visor Caps, and Sleeve Protectors, All Made of Fabric.

Claims use since September 1908.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 610,251. American Art Clay Company, Indianapolis, Ind. Filed Feb. 19, 1951. (Sec. 2f—Additional evidence.)

PLAST·I·CLAY

Applicant claims ownership of Registration No. 342,650.

For Modeling Clay.

Claims use since January 1931.

CLASS 2

RECEPTACLES

Ser. No. 550,083. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 18, 1948.

Maid of Honor

For Group A—Canister Sets (Flour, Sugar, Spice Cans), Metal Cake Tray and Cover Sets, Pantry Bins (for Potatoes, Etc.), Bread Boxes, Waste Baskets, Garbage Pails; Group B—Rubber Trays for Toilet Tank Top and for Sinks (for Holding Loose Articles, Soap, Etc.); Group C—Paper Baking Cups.

Claims use since Jan. 11, 1946.

Ser. No. 574,822. Crown Can Company, Philadelphia, Pa. Filed Mar. 3, 1949.

SPRA-TAINER

For Metal Cans Sold Empty and Adapted to Receive a Suitable Closure.

Claims use since Jan. 10, 1949.

Ser. No. 578,578. Eureka Williams Corporation, Bloomington, Ill. Filed May 11, 1949.

EUREKA

Applicant claims ownership of Registration No. 291,887.

For Dirt Collecting Receptacles for Vacuum Cleaners—Namely, Paper Bags and Bags Made of Textile Material, and Kits Made of Cardboard or of Fabric and Metal for Holding Attachments and Accessories for Vacuum Cleaners.

Claims use since January 1910.

Ser. No. 580,487. Krafco Container Corporation, West Monroe, La. Filed June 15, 1949.

KRAFCO

For Cartons and Boxes Made of Paste Board, Card Board, Corrugated Board and the Like.
Claims use since Oct. 15, 1948.

Ser. No. 581,956. International Harvester Company, Chicago, Ill. Filed July 14, 1949.

Irma Harding

The name "Irma Harding" does not refer to any particular living individual.
For Refrigeration Packaging Products—Namely, Paper Bags and Cartons.
Claims use since Apr. 29, 1949.

Ser. No. 581,957. International Harvester Company, Chicago, Ill. Filed July 14, 1949.



The name "Irma Harding" does not refer to any particular living individual, and the picture is fanciful.
For Refrigeration Packaging Products—Namely, Paper Bags and Cartons.
Claims use since Apr. 29, 1949.

Ser. No. 583,066. The Allbright-Nell Company, Chicago, Ill. Filed Aug. 6, 1949.



The drawing is lined for red.
For Packing House Equipment—Namely, Scalding Tubs, Ham Soaking Tanks, Ice Buckets, Dumping Buckets, Tanks for Receiving Skimmings Prior to Transfer of the Skimmings to Processing Equipment, Steel Tubs, Chicken Washing Tubs, Containers for Receiving and Storing Chicken Viscera, Hoof Scalding Tanks, Chicken Thawing Tanks, and Grease Storage Tanks.
Claims use since Fall of 1918.

Ser. No. 590,780. The J. E. Fricke Co., Philadelphia, Pa. Filed Nov. 30, 1949.

ZIP-TIE

The word "Tie" is disclaimed.
For Portable Plastic Twine Holder.
Claims use since July 25, 1949.

Ser. No. 597,602. Fibre Board Container Corporation, Richmond, Va. Filed May 17, 1950.



The words "Strong as an Ox" are disclaimed.
For Corrugated Fibre Board Shipping Boxes and Solid Fibre Board Shipping Boxes.
Claims use since 1925.

Ser. No. 613,093. The Sun Rubber Company, Barberton, Ohio. Filed Apr. 24, 1951.

Sunruco

For Rubber Bulbs With Sprinkling or Spraying Heads, Rubber Bulbs With Nozzles for Battery Filling, Rubber Bulbs With Nozzles for Insecticide Dusting, and Rubber Soap Trays.
Claims use since June 1, 1924.

Ser. No. 620,942. Union Bag & Paper Corporation, New York, N. Y. Filed Nov. 6, 1951.

UNITHENE

For Paper Bags.
Claims use since July 18, 1951.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 578,651. Therman Leather Goods Co. Inc., New York, N. Y. Filed May 11, 1949.

SKY-PILOT

For Leather Brief Cases.
Claims use since June 1941.

Ser. No. 610,232. Salient, Inc., East Longmeadow, Mass. Filed Feb. 17, 1951.

Salient

For Wallets, Key Cases, Memo Purses, Pocket Secretaries, and Card Cases.
Claims use since September 1949.

Ser. No. 612,996. Enger-Kress Company, West Bend, Wis. Filed Apr. 23, 1951.

Capitol

For Billfolds, Pocket Secretaries, Key Cases, and Empty Comb and File Cases.
Claims use since Feb. 5, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 552,941. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Mar. 25, 1948.

CLOVER FARM

For Self-Polishing Floor Wax, Inside and Outside Ready Mixed Paints, Paint Enamels, Paint Used for Priming, Sealing, and Undercoating and Aluminum Paint.
Claims use since 1882.

Ser. No. 611,151. The Simoniz Company, Chicago, Ill. Filed Mar. 10, 1951.

SIMONIZ

Applicant claims ownership of Registration No. 137,701.
For Cleaning and Polishing Compounds, in Both Paste and Liquid Form, for Any Painted, Lacquered, Enameled, or Porcelain Surface, as on Automobiles, Furniture, and the Like; a Paste, Wax-Like, Material for Polishing Fools and Providing a Preservative Coating Therefor; a Paste and a Liquid Material for Polishing Any Painted, Lacquered, Enameled, or Porcelain Surface and Providing a Preservative Coating Therefor; a "Rub-Down" Compound in Paste Form for Dressing Newly Applied Lacquers, Enamels, and the Like, and Providing a Preliminary Polish Thereto; and Paste, Wax-Like, Materials Having Various Coloring Incorporated Therein for Polishing Furniture and Other Woodwork, and for Minimizing the Effects of Scratches and Other Mars Thereon.
Claims use since May 28, 1918.

Ser. No. 611,923. The Tremco Manufacturing Company, Cleveland, Ohio. Filed Mar. 28, 1951.

TREMWAX

For Emulsion Floor Waxes.
Claims use since Oct. 27, 1936.

CLASS 5

ADHESIVES

Ser. No. 604,593. Permo, Incorporated, Chicago, Ill. Filed Oct. 7, 1950.

PERMOLITE

For Thermosetting Resin Adhesive for Metals and Non-Metals Used for Cementing Playing Points in Phonograph Needles and as a Protective Coating for Portions of Phonograph Needles and Cementing Metallic and Non-Metallic Instrument Parts to Other Bodies.
Claims use since Sept. 22, 1950.

Ser. No. 606,013. H. V. Hardman Co. Incorporated, Belleville, N. J. Filed Nov. 7, 1950.

PERMASET

For Adhesive Cement for Bonding the Bristles of a Brush.
Claims use since Oct. 16, 1950.

Ser. No. 611,536. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")



Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.
For Stick Glue for Securing Abrasive Discs to Back Discs and Liquid Cement for Securing Abrasive Granules to Irregular Base Surfaces for Manufacturing Abrasive Forms.
Claims use since Dec. 13, 1945.

Ser. No. 613,536. Stocker Manufacturing Company, Netcong, N. J. Filed May 4, 1951.

NYLCO

For Sealing Tapes of Laminated Kraft Paper on One Face With an Adhesive or Gummed Surface.
Claims use since Feb. 20, 1951.

Ser. No. 620,390. Behr-Manning Corporation, Troy, N. Y. Filed Oct. 24, 1951. (Sec. 2f.)

BEHR · MANNING

For Adhesives—Namely, Protein Base Adhesives, Rubber Base Adhesives, Resin Base Adhesives, and Inorganic Base Adhesives, and Adhesive Tapes.
Claims use since August 1928.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 556,054. Armstrong Paint & Varnish Works, Chicago, Ill. Filed May 3, 1948. (Classified in Class 16.) (Sec. 2f.)
See this serial number in Class 16 for goods and mark.
Claims use since 1854.

Ser. No. 556,055. Armstrong Paint & Varnish Works, Chicago, Ill. Filed May 3, 1948. (Classified in Class 16.) (Sec. 2f as to "Armstrong.")
See this serial number in Class 16 for goods and mark.
Claims use since 1854.

Ser. No. 587,162. No-Boil Fluid Chemical Company, Jamestown, N. Y. Filed Oct. 17, 1949. (Classified in Class 52.) (Sec. 2f.)
Applicant claims ownership of Registration No. 417,381.
See this serial number in Class 52 for goods and mark.
Claims use since July 1, 1927 and since June 1, 1940 in the present style of lettering.

Ser. No. 590,029. Pallas Chemicals Limited, Newcastle-upon-Tyne, England. Filed Dec. 28, 1949.

PALLAS

Applicant claims ownership of British Registration No. 643,575, dated Jan. 8, 1946.

For Chemical Preparations for Waterproofing Cement, Cement Mortar, and Concrete; and for Hardening Cement, Cement Mortar, and Concrete and Making Them Weather and Acid Resistant.

Ser. No. 590,101. S. B. Penick & Company, New York, N. Y. Filed Dec. 29, 1949.

PYRESYN

Applicant claims ownership of Registration No. 509,080.

For Insecticides.

Claims use since Aug. 10, 1949.

Ser. No. 601,476. Chester Whitfield Smith, doing business under the name and style of Whitfield Chemical Company, Detroit, Mich. Filed July 29, 1950.

MULSOL

For Emulsifying Agent for Oil and Organic Residues and Adapted To Be Blended With Solvents or Water for Use in Open Tanks or Mechanical Washing Equipment To Remove Oil, Grease, Drawing Compounds, and the Like From Metal Parts, Such as Zinc, Brass, Aluminum, Magnesium, and Steel Parts Without Affecting the Surface Finish, and To Reduce Rusting of Steel.

Claims use since Apr. 12, 1949.

Ser. No. 602,474. Seacoast Laboratories Inc., New York, N. Y. Filed Aug. 19, 1950.

TWIN LIGHT

The drawing is lined for red.

For Chemical Preparation for Control of Mice and Rats.

Claims use since July 1950.

Ser. No. 610,273. Indiana Naval Stores Company, Indianapolis, Ind. Filed Feb. 19, 1951.

CHEXAL

For Insecticide—Namely, Livestock Spray.

Claims use since Jan. 9, 1951.

Ser. No. 611,182. McIntire Connector Company, Newark, N. J. Filed Mar. 12, 1951.

PERMAGRAN

For Solid Desiccant.

Claims use since Feb. 12, 1951.

Ser. No. 614,578. Sharples Chemicals Inc., Philadelphia, Pa. Filed May 31, 1951.

MERAC

For Vulcanization Accelerators.

Claims use since Apr. 6, 1950.

Ser. No. 614,580. Sharples Chemicals Inc., Philadelphia, Pa. Filed May 31, 1951.

SHARSOL

For Amines and Mixtures.

Claims use since Aug. 26, 1947.

Ser. No. 618,469. Philadelphia Quartz Company, Philadelphia, Pa. Filed Sept. 6, 1951.



Applicant claims ownership of Registrations Nos. 506,739 and 414,766.

For Silicate of Soda and Silicate of Potash in Solid or Liquid Form Either Alone or in Admixture With Other Chemicals.

Claims use since Feb. 1, 1950, on the mark as shown; and since Mar. 2, 1929, in the same general form but with the letters "Q" and "PQ" printed solid.

Ser. No. 618,597. Petrolite Corporation, Ltd., Webster Groves, Mo. Filed Sept. 10, 1951.

VEZ

For Reagents Comprising Foam Inhibiting or Preventative Agents.

Claims use since July 2, 1951.

Ser. No. 618,711. National Lead Company, Sayreville, N. J., and New York, N. Y. Filed Sept. 12, 1951.



Applicant claims ownership of Registrations Nos. 62,136, 121,318, and others.

For Lead Oxide, Mixtures of Lead Oxide With Lead Chromate, Lead Sulphate, Mixtures of Lead Sulphate With Lead Silicate, Mixtures of Lead Silicate With Silica, Lead Salicylate, Lead Stearate, Lead Phosphite, Lead Phthalate, Lead 2-Ethyl Hexoate, Lead Maleate, Barium Ricinoleate, Mixtures of Barium Ricinoleate With Sodium Phosphite, and Organic Derivatives of Bentonite.

Claims use since June 1, 1945.

Ser. No. 619,384. El Dorado Oil Works, San Francisco, Calif. Filed Sept. 29, 1951.

DEFOAMER ED

The word "Defoamer" is disclaimed.

For Defoaming Agent.

Claims use since Aug. 16, 1951.

Ser. No. 619,385. El Dorado Oil Works, San Francisco, Calif. Filed Sept. 29, 1951.

ELDHYCO

For Mixture of Fatty Acids Suitable for Use in Making Soap.

Claims use since May 7, 1951.

Ser. No. 620,194. Bryton Chemical Co., Elizabeth, N. J. Filed Oct. 19, 1951.

BRYTON

For Sulfonates.

Claims use since Aug. 15, 1949.

Ser. No. 621,099. Borax Consolidated, Limited, London, England, doing business as Pacific Coast Borax Co., Division of Borax Consolidated, Limited, Los Angeles, Calif. Filed Nov. 10, 1951.

POLYBOR-CHLORATE 88

The word "Chlorate" is disclaimed. Applicant claims ownership of Registrations Nos. 526,658 and 547,789.

For Weed Control Preparation Consisting of a Mixture of Sodium Pentaborate, Sodium Tetraborate, Sodium Chlorate, and Inert Ingredients.

Claims use since Mar. 23, 1951 and since Apr. 19, 1951 in commerce among the several States.

Ser. No. 621,149. House of Huston, Inc., Miami, Fla. Filed Nov. 13, 1951.

Tweet

For Bird and Aviary Spray for Destroying Parasites, Insects, and Vermin.

Claims use since Dec. 1, 1950.

Ser. No. 621,249. American Cyanamid Company, New York, N. Y. Filed Nov. 15, 1951.

AEROFROTH

For Frothing Agents for Use in Concentration of Ores.

Claims use since Dec. 12, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 616,620. Bernad Creations, Ltd., Mount Vernon, N. Y. Filed July 18, 1951.

bernäd

For Ash-Trays, Cigarette Boxes, and Cigarette Lighters.

Claims use since October 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 550,083. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 18, 1948. (Classified in Class 2.)

See this serial number in Class 2 for goods and mark.

Claims use since Jan. 11, 1946.

Ser. No. 611,867. Walworth Company, Boston, Mass. Filed Mar. 27, 1951.

WALCAST

For Cast Metal Valves and Pipe Fittings.

Claims use since Feb. 15, 1951.

Ser. No. 611,868. Walworth Company, Boston, Mass. Filed Mar. 27, 1951.

WALCOCAST

For Cast Metal Valves and Pipe Fittings.

Claims use since Feb. 15, 1951.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 618,683. The Carpenter Steel Company, Reading, Pa. Filed Sept. 12, 1951. (Sec. 2f.)

CARPENTER STAINLESS STEEL

The term "Stainless Steel" is disclaimed. Applicant claims ownership of Registration No. 512,195.

For Steel in the Form of Wire, Strips, Bars, Billets, and Other Shapes.

Claims use since 1920.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 552,941. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Mar. 25, 1948. (Classified in Class 4.)

See this serial number in Class 4 for goods and mark.

Claims use since 1882.

Ser. No. 556,054. Armstrong Paint & Varnish Works, Chicago, Ill. Filed May 3, 1948. (Sec. 2f.)

ARMSTRONG

For Ready-Mixed Paint Sold in Liquid Form, Paste Paint and Semi-Paste Paint, Varnishes, Paint Enamels Sold in Liquid Form, Lacquers, Shellac, Wood Preservatives in the Nature of Shellacs, Resinous Compounds and Synthetic Compositions, Red Lead, Wood Stains and Varnish Stains, Roofing Cement in the Nature of a Paint Which May Be Applied With a Brush, Paint Driers and Wood and Metal Sealers.

Claims use since 1854.

Ser. No. 556,055. Armstrong Paint & Varnish Works, Chicago, Ill. Filed May 3, 1948. (Sec. 2f as to "Armstrong.")

ARMSTRONG 1854 PAINT

For Ready-Mixed Paint Sold in Liquid Form, Paste Paint and Semi-Paste Paint, Varnishes, Paint Enamels Sold in Liquid Form, Lacquers, Shellac, Wood Preservatives in the Nature of Shellacs, Resinous Compounds and Synthetic Compositions, Red Lead, Wood Stains and Varnish Stains, Roofing Cement in the Nature of a Paint Which May Be Applied With a Brush, Paint Driers and Wood and Metal Sealers.

Claims use since 1854.

Ser. No. 590,028. Pallas Chemicals Limited, Newcastle-upon-Tyne, England. Filed Dec. 28, 1949.

PALLOL

Applicant claims ownership of British Registration No. 643,572, dated Jan. 8, 1946.

For Bituminous Coating Material for Metals, Felts, Asbestos, Sheeting, Concrete, and Brickwork for Protection Against the Destructive or Corrosive Action of the Weather.

Ser. No. 601,493. Dianol, Incorporated, St. Petersburg, Fla. Filed July 31, 1950.

DIANOL

Applicant claims ownership of Registration No. 422,591.

For Insecticidal Paints and Insecticide Ingredient for Paint.

Claims use since June 1, 1945.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 566,828. Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Filed Sept. 21, 1948.

CHLORALOSANE

Applicant claims ownership of French Registration No. 68,091, dated July 21, 1924.

For Hypnotic or Sedative Preparations.

Ser. No. 603,744. Merck & Co., Inc., Rahway, N. J. Filed Sept. 19, 1950.

DIONIN

For Medicinal Substance of Use as a Sedative, an Antispasmodic, an Analgesic, and Antitussive, and as an Ocular Lymphgogue and Irritant.

Claims use since 1907.

Ser. No. 607,283. Ben Baker Blaze, doing business under the fictitious name and style of One-Two Sales, San Francisco, Calif. Filed Dec. 5, 1950.

ONE-TWO

For Chlorophyll Tablets That Are Taken Internally To Prevent Breath Odors.

Claims use since Sept. 15, 1950.

Ser. No. 618,049. Larroque Drug Co., Jeanerette, La. Filed Aug. 24, 1951.

SKIN-JET

The word "Skin" is disclaimed.

For Medicinal Preparation Intended as a Remedy for Athlete's Foot, Ringworm, Toe Itch, Insect Bites, and Soft Corns Between Toes.

Claims use since June 7, 1951.

Ser. No. 619,783. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

DRODEINE

For Sedative Expectorant for Human Use.

Claims use since Mar. 9, 1949.

Ser. No. 619,784. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

EQUITOL

For Veterinary Intravenous Anesthetic Agent.

Claims use since Nov. 1, 1950.

Ser. No. 619,786. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

FILCIDE

For Preparation for the Treatment of Heartworms (*Dirofilaria Immitis*) in Dogs.

Claims use since Jan. 4, 1950.

Ser. No. 619,787. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

GERONE

For Preparation for the Treatment of Patients With Psychic Fatigue, Mental Depression, Malaise, Muscular Weakness, Neurasthenia, and General Nutritional Inadequacy.

Claims use since Mar. 1, 1950.

Ser. No. 619,788. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

HYTRONA

For Preparation Indicated for the Relief of Spasmodic Conditions.

Claims use since Nov. 30, 1949.

Ser. No. 619,789. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

INFAGEN

For Diphtheria and Tetanus Toxoids and Pertussis Vaccine.

Claims use since Mar. 8, 1950.

Ser. No. 619,790. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

MASTIMYCIN

For Veterinary Preparation for Intramammary Application in Mastitis.

Claims use since Mar. 20, 1950.

Ser. No. 619,791. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

RUMENE

For Veterinary Preparation for Treatment of Cattle Suffering From Tympany (Bloat) of the Rumen.

Claims use since July 12, 1950.

Ser. No. 619,792. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

RUMIDE

For Veterinary Preparation Used as a Rumen Stimulant, Carminative and Antacid.

Claims use since July 20, 1949.

Ser. No. 619,793. Allied Laboratories, Inc., Kansas City, Mo. Filed Oct. 10, 1951.

SULJEX

For Veterinary Preparation Containing Sodium Sulfamerazine and Sodium Sulfapyridine.

Claims use since Feb. 2, 1951.

CLASS 19

VEHICLES

Ser. No. 463,220. Willys-Overland Motors, Inc., Toledo, Ohio. Original filed, act of 1905, Sept. 3, 1943; amended to application under act of 1946, Principal Register, June 23, 1949. (Sec. 2f as to "Jeep"—Additional Evidence.)

JeepTruk

The syllable "Truk" is disclaimed. Applicant claims ownership of Registration No. 526,175.

For Automobile Vehicles and Structural Parts Thereof.

Claims use since Aug. 17, 1943.

Ser. No. 575,908. Har-Ken Products, Inc., Chicago, Ill. Filed Mar. 23, 1949.

ROCK-N-ROLL By HAR-KEN

The words "Rock-N-Roll" are disclaimed. The representation of the child is fanciful.

For Combination Baby Stroller, Rocker, Sled, and Walker.

Claims use since July 10, 1948.

Ser. No. 578,660. The White Motor Company, Cleveland, Ohio. Filed May 11, 1949. (Sec. 2f.)

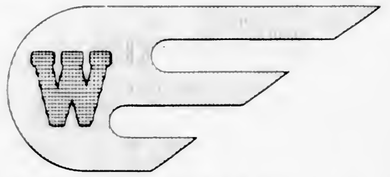
White

Applicant claims ownership of Registration No. 112,837.

For Motor Trucks and Buses.

Claims use since Jan. 3, 1940.

Ser. No. 599,204. Williamsen Body & Equipment Co., Ogden, Utah. Filed June 15, 1950.



The drawing is lined for black and red.

For Truck Trailers, Truck Bodies, Truck Cabs, Elevating End Gates for Vehicles, Garbage Trucks, Tandem Axle Attachments for Trucks, Bus Bodies and Lift-Type Fifth Wheels for Yard Spotting of Semitrailers.

Claims use since Dec. 4, 1945.

Ser. No. 605,452. Trusty Manufacturers, Inc., La Porte, Ind. Filed Oct. 25, 1950. (Sec. 2f—Additional evidence.)

TRUSTY TRUCKS

The word "Trucks" and the representation of a hand truck are disclaimed.

For Hand Trucks and Dollies.

Claims use since Apr. 1, 1946.

Ser. No. 612,551. Marvel Industries, Inc., Skokie, Ill. Filed Apr. 12, 1951.

LIFT-O-MATIC

The word "Lift" is disclaimed.
For Materials Handling Trucks.
Claims use since January 1941.

Ser. No. 622,426. The Buckeye Steel Castings Company, Columbus, Ohio. Filed Dec. 13, 1951.

C-R

For Railway Car Trucks and the Component Parts of Such Trucks.
Claims use since July 1948.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 617,732. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Filed Aug. 15, 1951.

TRENWALL

For Hard Surface Wall Covering of the Nature of Linoleum.
Claims use since July 5, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 619,118. Webster-Chicago Corporation, Chicago, Ill. Filed Sept. 21, 1951.

Webcor

Applicant claims ownership of Registration No. 547,309.
For Sound Equipment, Accessories Thereof, and Parts Thereof, Viz., Electrically Operated Phonographs and Parts Thereof, Wire Sound Recorders and Parts Thereof, Tape Sound Recorders and Parts Thereof, Record Changers and Parts Thereof, Amplifiers, Microphones, and Stands Therefor, Wire-Free Spools for Wire Sound Recorders, Tape-Free Spools for Tape Sound Recorders, Magnetized Wire-Wound Spools for Wire Sound Recorders, Magnetized Tape-Wound Spools for Tape Sound Recorders, Center-Hole Inserts for Phonograph Disc Records, Electrical Cord Assemblies for Connecting Amplifiers With (*a*) Cased Record Changers, (*b*) Wire Sound Recorders, and (*c*) Tape Sound Recorders.
Claims use since July 25, 1951.

Ser. No. 620,106. Magnethermic Corporation, Youngstown, Ohio. Filed Oct. 17, 1951.

MAGNETHERMIC

For Low Frequency Induction Furnaces.
Claims use since October 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 591,761. Allied Manufacturing, Inc., Cleveland, Ohio. Filed Feb. 1, 1950.

SkillBowl

The word "Bowl" is disclaimed.
For Bowling Game Apparatus of Reduced Scale Size.
Claims use since March 1943.

Ser. No. 601,481. Stelber Cycle Corp., Brooklyn, N. Y. Filed July 29, 1950.

TEXAN

For Children's Tricycles, Children's Bicycles, Small Diameter Wheeled Sidewalk Bicycles, and Velocipedes.
Claims use since May 25, 1950.

Ser. No. 601,851. Schiele Products, Mount Prospect, Ill. Filed Aug. 7, 1950.

BAG-STAN

The word "Bag" is disclaimed.
For Automatically Opening and Closing Tripod Supports for Golf Bags.
Claims use since Feb. 10, 1950.

Ser. No. 602,113. Soderberg & Kenyon, Denver, Colo. Filed Aug. 11, 1950.

KATCH-KING LIVE BAIT Hooks

The words "Katch," "Live Bait," and "Hooks" and the representation of the hook are disclaimed.
For Fish Hooks.
Claims use since Apr. 27, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 527,916. The Creamery Package Mfg. Company, Chicago, Ill. Filed July 5, 1947.

Creamery Package

The word "Creamery" is disclaimed.
For Dairy Products Processing Machinery and Equipment Comprising Industrial Churns, Vats and Tanks Having Control and Mixing Machinery Associated Therewith, Bottle Fillers, Bottle Washers, Butter Printers, Butter Workers, Sanitary Pumps, Can Washers, Bottle Cappers, Homogenizers, Concentrators, Ice Cream Brick Cutters, Ice Cream Package Fillers, and Ice Cream Fruit Feeders.
Claims use since 1895.

Ser. No. 546,426. Reed Roller Bit Company, Houston, Tex. Filed Jan. 7, 1948.

KOR-KING

The word "Kor" is disclaimed.
For Deep Well Earth Core Drilling Bits and Core-Taking Equipment—Namely, Non-Retractable Core Barrels and Parts Thereof for Use With Deep Well Earth Core Drilling Bits.
Claims use since 1936.

Ser. No. 579,244. The White Motor Company, Cleveland, Ohio. Filed May 20, 1949. (Sec. 2*f* as to "White.")

White SUPER POWER

The words "Super Power" are disclaimed. Applicant claims ownership of Registration No. 112,837.
For Internal Combustion Engines.
Claims use since Sept. 1, 1948, on the mark as shown; since Jan. 3, 1937 as to "White Super Power"; since January 1909 as to the word "White"; and since Jan. 3, 1937 as to "White" in the form presented.

Ser. No. 604,689. Colton Razor Blade Company, Boston, Mass. Filed Oct. 10, 1950.

RUBIE

Applicant claims ownership of Registrations Nos. 78,212 and 246,846.
For Safety Razor Blades.
Claims use since February 1909.

Ser. No. 606,146. Benjamin Lassman & Son, Pittsburgh, Pa. Filed Nov. 9, 1950.

HYDRACTOR

For Hydraulic Cylinder Linear Actuators.
Claims use since January 1950.

Ser. No. 612,200. A. B. Farquhar Company, York, Pa. Filed Apr. 4, 1951. (Sec. 2*f*.)

Farquhar

Applicant claims ownership of Registrations Nos. 200,059 and 512,029.
For Plows, Plow Stocks, Steam Engines, Gas Engines, Hay Presses, Grain Separators, Threshers, Threshers With Cleaners, Saw Mills, Shingle Mills, Corn Shellers, Hay Balers, Lumber Edgers, Gasoline Engines, Tufting Presses, Veneer Presses, Hot Plate Veneer Presses, Cotton Seed Oil Presses, Die Presses, Hydraulic Veneer Presses, Fiber Board Presses, Curb Presses, Peanut Pickers, Steam Tractors, Gasoline Tractors, Tank Wagon Pumps, Corn Planters, Harrows, Pea Hullers, Bean Threshers, Pea Threshers, Feed Cutters, Feed Grinders, Suction Pumps, Cotton Planters, Steam Power Plants, Hand Pumps, Hydraulic Presses, Hydraulic Hot Plate Presses, Hydraulic Plastic Moulding Presses, Hydraulic Calender Roll Presses, Row-Crop Dusting Machines, Cider Presses, Hydraulic Cider Presses, Circular Saw Mills, Hydraulic Pumps, Fertilizer Distributors, Rice Threshers, Cotton Gins, Fruit Presses, Garden Rollers, Disk Harrows, Horse-Drawn Ground Scrapers, Horse-Drawn Ground Scoops, Horse-Drawn Potato Planters, Tractor-Drawn Potato Planters, Walking Potato Diggers, Horse-Drawn Potato Diggers, Horse-Drawn Bean Planters, Tractor-Drawn Potato Diggers, Tractor-Drawn Bean Planters, Horse-Drawn Pea Planters, Horse-Drawn Corn Planters, Tractor-Drawn Corn Planters, Agricultural Plant Transplanting Machines, Combined Fertilizer Distributors and Row Markers, Combined Fertilizer Distributors and Potato Planters, Fertilizer Drills, Lime Spreaders, Grain Drills, Riding Agricultural Cultivators, One-Horse Agricultural Cultivators, Tractor Agricultural Cultivators, Row Markers, Asparagus Ridgers, Manure Spreaders, Wood Frame Harrows, Combined Harrows and Rollers, Potato Hillers, Machines for Cutting Up Seed Potatoes, Row Crop Sprayers, Orchard Sprayers, Spray Pumps, Pick-Up Hay Balers, Walking Weeders, Riding Weeders, Metal Frame Harrows, Tractor Weeders, Orchard Dusters, Potato Pickers, Hydraulic Metal Drawing Presses, Hydraulic Metal Extrusion Presses, Hydraulic Metal Forcing Presses, Hydraulic Ship-Building Metal Working Presses, Hydraulic Metal Straightening Presses, Hydraulic Utility Gap Type Metal Working Presses, Portable Conveyors of the Endless Belt Type, Portable Conveyors of the Chain and Blade Type, Portable Conveyors of the Chain and Bar Type, Portable Conveyors of the Roller Type, Semi-Portable Conveyors of the Chain Type, Semi-Portable Conveyors of the Chain and Blade Type, Semi-Portable Conveyors of the Roller Type, Semi-Portable Conveyors of the Chain and Bar Type, Semi-Portable Conveyors of the Endless Belt Type, Stationary Conveyors of the Endless Belt Type, Stationary Conveyors of the Chain Type, Stationary Conveyors of the Chain and Blade Type, Stationary Conveyors of the Chain and Bar Type, Stationary Conveyors of the Roller Type, Vulcanizing Presses, Lawn Mowers, and Structural Parts for the Foregoing.
Claims use since July 1, 1870.

Ser. No. 613,093. The Sun Rubber Company, Barberton, Ohio. Filed Apr. 24, 1951. (Classified in Class 2.)
See this serial number in Class 2 for goods and mark.
Claims use since June 1, 1924.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 599,578. Peerless Camera Stores, Inc., New York, N. Y. Filed June 22, 1950.

Kilar

For Photographic Apparatus—Namely, Lenses.
Claims use since Dec. 15, 1949.

Ser. No. 614,822. Theodor D. Erlanger, Kew Gardens, N. Y. Filed June 6, 1951.

BERTRAM

For Exposure Meters.
Claims use since July 1950.

Ser. No. 618,672. James G. Biddle Co., Philadelphia, Pa. Filed Sept. 12, 1951.

TTR

For Portable Direct-Reading Instrument for Measuring Turn Ratio of Power and Distribution Transformers.
Claims use since Mar. 18, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 610,259. Robert J. Corcoran, doing business as Bubble-O-Bill Company, Beverly Hills, Calif., assignor to Bubble-O-Bill Corporation, Los Angeles, Calif., a corporation of California. Filed Feb. 19, 1951.

Bubble-O-Bill

For Medallions for Personal Wear, Finger Rings, Necklaces, and Bracelets.
Claims use since Jan. 30, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 598,362. Greatrex Ltd., New York, N. Y. Filed May 31, 1950.

GREATREX LTD. EST. 1755 IN ENGLAND

The word "England" is disclaimed.
For Hair and Clothes Brushes.
Claims use since 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 562,703. Great Lakes Carbon Corporation, New York, N. Y. Filed Aug. 3, 1948. (Sec. 2f.)

SPEEDPLUS

For Diatomaceous Earth in Finely Comminuted Form for Use as a Filter Aid.
Claims use since Jan. 1, 1930.

Ser. No. 596,175. Mitchell Manufacturing Company, Chicago, Ill. Filed Apr. 22, 1950.

dyna-cooler

For Refrigerating Units Used in Electrically Operated Air Conditioners.
Claims use since Dec. 15, 1949.

Ser. No. 608,397. Esco Cabinet Company, West Chester, Pa. Filed Dec. 7, 1950. (Sec. 2f.)

"ICY-WALL"

The word "Wall" is disclaimed.
For Milk Coolers.
Claims use since Feb. 1, 1940.

Ser. No. 621,004. The Ebco Manufacturing Company, Columbus, Ohio. Filed Nov. 8, 1951.

OASIS

Applicant claims ownership of Registrations Nos. 416,771, 507,618, and 531,049.
For Electrically Actuated, Refrigerated Beverage Coolers and Dispensers.
Claims use since July 1951.

Ser. No. 624,229. Cory Corporation, operating under the name Nicro Steel Products Co. Division of Cory Corporation, Chicago, Ill. Filed Jan. 29, 1952.

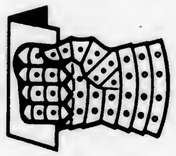
NICRO

Applicant claims ownership of Registration No. 441,695.
For Filters for Coffee Making Apparatus.
Claims use since May 1937.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 591,906. Aurora Equipment Company, doing business as Equipto Division of Aurora Equipment Co., Aurora, Ill. Filed Feb. 3, 1950.



For Steel Shelving Units, Vertical Parts Bins, and Service Counters.
Claims use since Oct. 3, 1949.

Ser. No. 598,540. The Ohio Rubber Company, Willoughby, Ohio. Filed June 3, 1950.

VERSIBOND

For Finished Tops of Tables, Cabinets, Bars, Counters, Desks Made of Rubber and Plastic Laminate.
Claims use since Sept. 1, 1949.

Ser. No. 611,812. Rolladenfabrik A. Griesser A.-G., Aadorf, Switzerland. Filed Mar. 26, 1951.

solomatic

Applicant claims ownership of Swiss Registration No. 135,768, dated Nov. 18, 1950.
For Venetian Blind Having a Single Actuating Member.

Ser. No. 621,134. Columbia Bedding Company, Chicago, Ill. Filed Nov. 13, 1951.

CONTOUREST

For Mattresses and Box Springs.
Claims use since Mar. 21, 1951.

Ser. No. 621,558. International Furniture Company, Chicago, Ill. Filed Nov. 23, 1951.

Contract

For Mattresses and Box Springs.
Claims use since Nov. 13, 1951.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 617,896. United States Stove Company, South Pittsburg, Tenn. Filed Aug. 20, 1951. (Sec. 2f.)

Lawson

Applicant claims ownership of Registrations Nos. 146,042, 389,575, and others.
For Stoves.
Claims use since Aug. 1, 1914.

CLASS 37

PAPER AND STATIONERY

Ser. No. 601,150. Kalamazoo Limited, Northfield, Birmingham, England. Filed July 24, 1950.

NORFIELD

Applicant claims ownership of British Registration No. 408,965, dated Oct. 21, 1920.
For Loose-Leaf Books and Binders; Accounting, Record, and Ledger Sheets; Indices for Loose-Leaf Books and Binders; Index and Filing Tabs; Guide Cards; Adhesive Paper Signals for Affixing to Account Sheets, Records, Maps, Charts, Diagrams, and the Like; Transparent Plastic Sheets for Use as Hand Rests in Copying Bookkeeping Entries From Journal Sheets; Folders for Inserting Under Indexed Ledger or Record Sheets in Loose Leaf Binders To Assist Removal of a Plurality of Sheets Without Disturbing Their Indexed Relation and Accounting Boards Having Pins Along the Edges Thereof and a Clamp Associated With the Pins for Temporarily Securing Ledger and Journal Sheets in Position for Bookkeeping Entries.

Ser. No. 622,012. Crown Zellerbach Corporation, San Francisco, Calif. Filed Dec. 3, 1951.

SEQUOIA

For Toilet Tissue.
Claims use since Nov. 1, 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 604,299. Grosset & Dunlap, Inc., New York, N. Y. Filed Oct. 2, 1950.

COMPANION LIBRARY

The word "Library" is disclaimed.
For Books for Boys and Girls.
Claims use since Sept. 12, 1950.

Ser. No. 617,153. The Meyercord Co., Chicago, Ill. Filed July 31, 1951. (Sec. 2f.)

"KWIKWAY"

Applicant claims ownership of Registration No. 278,792.
For Decalcomanias.
Claims use since September 1921.

Ser. No. 619,547. Warren Michaels, doing business under the name of Little Studios, Atlanta, Ga. Filed Oct. 3, 1951.

MINUETTES

For Photographic Prints.
Claims use since Oct. 1, 1939.

Ser. No. 621,100. Botany Mills, Inc., Passaic, N. J. Filed Nov. 10, 1951.

BOTANETTE

For Periodical Published at Irregular Intervals Devoted Primarily to Hand Knitting and Crocheting.
Claims use since Oct. 25, 1951.

Ser. No. 621,125. Bagatelle Publishing Co. Inc., New York, N. Y. Filed Nov. 13, 1951.

bagatelle

For Monthly Magazine.
Claims use since Oct. 15, 1951.

Ser. No. 621,133. Close-Up, Inc., New York, N. Y., Chicago, Ill., Los Angeles, Calif., and St. Louis, Mo. Filed Nov. 13, 1951.

Laugh
comics

The word "Comics" is disclaimed.
For Magazine Issued Bi-Monthly.
Claims use since Oct. 10, 1947.

Ser. No. 621,326. Micromatic Hone Corporation, Detroit, Mich. Filed Nov. 16, 1951.

Cross-Hatch

For House Organ.
Claims use since December 1948.

CLASS 39

CLOTHING

Ser. No. 535,850. The Joseph & Feiss Company, Cleveland, Ohio. Filed Sept. 26, 1947. (Sec. 2f.)

FETHER-WEVE

Applicant claims ownership of Registration No. 335,762.
For Men's Clothing—Namely, Coats, Vests, Trousers, Overcoats, and Top Coats.
Claims use since Nov. 15, 1935.

Ser. No. 541,160. Henry Modell & Co., Inc., New York, N. Y. Filed Nov. 14, 1947. (Sec. 2f.)

Modell's

Applicant claims ownership of Registration No. 217,824.
For Men's, Women's, and Children's Shoes and Moccasins of Leather or Fabric or Rubber and Combinations Thereof, Rain Coats, Rubber Ponchos, Leggings and Puttees, Hosiery, Underwear, Riding Breeches, Jodhpurs, Boots, Vests, Hats, Jackets, Frontier Pants and Sweaters; Men's and Women's Slacks; Men's and Boys' Outer, Dress, Negligee, and Work Shirts; Women's and Children's Breeches and Knickers.
Claims use since 1916.

Ser. No. 547,645. H. Metz, Inc., Paterson, N. J. Filed Jan. 21, 1948.

Metz
TOWN Classics

The words "Classics" and "Metz" are disclaimed.
For Ladies' Dress or Street Shoes.
Claims use since Sept. 1, 1947.

Ser. No. 561,500. Sears, Roebuck and Co., Chicago, Ill. Filed July 15, 1948. (Sec. 2f—Additional evidence.)

Biltwel

Applicant claims ownership of Registration No. 298,521.
For Children's and Misses' Footwear—Namely, Shoes, Galoshes, and Overshoes Made of Leather, Rubber, Fabric, and Combinations of the Same.
Claims use since Nov. 1, 1930.

Ser. No. 562,875. National Hosiery Mills, Inc., Indianapolis, Ind. Filed Aug. 5, 1948.

MISTIFILM

For Women's Hosiery.
Claims use since June 19, 1948.

Ser. No. 574,858. Paramount Hat Corporation, St. Louis, Mo. Filed Mar. 3, 1949.

Paramount

For Ladies' Hats.
Claims use since July 1, 1947.

Ser. No. 575,232. Society Brand Clothes, Inc., Chicago, Ill. Filed Mar. 10, 1949. (Sec. 2f.)

Angola

Applicant claims ownership of Registration No. 413,347.
For Men's Clothing—Namely, Men's Suits.
Claims use since Nov. 12, 1943.

Ser. No. 595,786. Joyce, Inc., Pasadena, Calif. Filed Apr. 15, 1950. (Sec. 2f as to "Joyce.")

over-joyce

Applicant claims ownership of Registrations Nos. 392,863 and 504,118.
For Women's Overshoes Made of Rubber, Lined With Fabric.
Claims use since Mar. 31, 1950, on the mark as shown; and since July 6, 1938, as to the name "Joyce."

Ser. No. 599,132. Jim Tillett, Tacubaya, Mexico City, Mexico. Filed June 14, 1950.

Jim Tillett

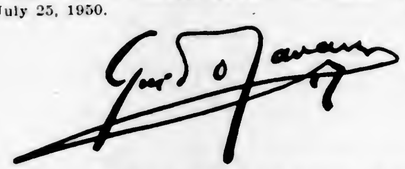
For Men's Outer Shirts, Bathing Suits, Beach Robes, Ties, Scarves, and Handkerchiefs; Women's Bathing Suits, Beach Coats, Skirts, Blouses, Dresses, Scarves, Handkerchiefs; Children's Robes, Bathing Suits, Shirts, Shorts, Dresses and Pinafores.
Claims use since May 18, 1949; and use in commerce between Mexico and the United States since May 18, 1949.

Ser. No. 600,981. Savada Bros., Inc., New York, N. Y. Filed July 20, 1950.

Short Snorter

For Boys' Jackets.
Claims use since May 1, 1950.

Ser. No. 601,232. Giuseppe Ravasi, Como, Italy. Filed July 25, 1950.



"Guido Ravasi" is the name of the deceased father of applicant. Applicant claims ownership of Italian Registration No. 80,171, dated May 10, 1948, application filed Nov. 29, 1947.
For Neckties, Handkerchiefs, Dressing Gowns, and Scarves.

Ser. No. 601,241. United States Rubber Company, New York, N. Y. Filed July 25, 1950.



The words "Fishing Boot" are disclaimed. Applicant claims ownership of Registration No. 99,301.
For Men's Boots Made of Rubber and Fabric.
Claims use since April 1948.

Ser. No. 601,430. Gallenkamp Stores Co., Los Angeles, Calif. Filed July 29, 1950.

KAMPWOOD

For Shoes Having Rubber Soles and Cloth Uppers, Ankle Height, for Men and Boys.
Claims use since Mar. 6, 1946.

Ser. No. 602,449. Greater Seattle, Inc., Seattle, Wash. Filed Aug. 19, 1950.

Seafair

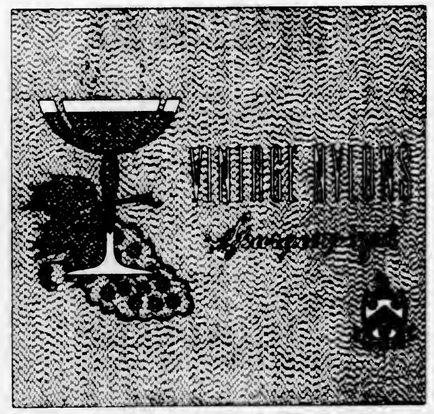
For Inner and Outer Shirts.
Claims use since Aug. 18, 1950.

Ser. No. 603,407. Hollymode, Inc., Los Angeles, Calif. Filed Sept. 11, 1950.

Holly Mode

The word "Mode" is disclaimed.
For Sportswear—Namely, Men's and Boys' Shirts.
Claims use since Apr. 2, 1947.

Ser. No. 604,815. Spurgeon Hosiery Corporation, Philadelphia, Pa. Filed Oct. 12, 1950. (Sec. 2f as to "Spurgeon.")



The word "Nylons" is disclaimed. The drawing is lined for violet and gold. Applicant claims ownership of Registrations Nos. 366,653, 503,647, and others.
For Women's Nylon Hosiery.
Claims use since Oct. 2, 1950, on the mark as shown; and since July 15, 1938, as to "Spurgeon-lzed."

Ser. No. 605,311. Koret of California, Inc., San Francisco, Calif. Filed Oct. 23, 1950.

KORADENIM

For Women's, Misses', and Children's Dresses, Halters, Outer Shorts, Outer Shirts, Blouses, Slacks, Pedal Pushers, and Jackets, All Made Substantially Entirely of Denim Material.
Claims use since Oct. 2, 1950.

Ser. No. 608,921. Connie Dee Fashions, New York, N. Y. Filed Jan. 18, 1951.

Connie Dee

The name "Connie Dee" is fanciful.
For Ladies' Suits and Coats.
Claims use since Nov. 29, 1950.

Ser. No. 609,144. Philip Shlansky & Sons, Inc., New York, N. Y. Filed Jan. 23, 1951.

DONNYBROOK TRAVELER

Applicant claims ownership of Registrations Nos. 333,759, 333,972, and others.
For Ladies' and Misses' Coats, Suits, Jackets, and Skirts.
Claims use since Aug. 30, 1932.

Ser. No. 609,291. M. R. Fleischman Co., San Francisco, Calif. Filed Jan. 26, 1951.

sundabouts

For Ladies' Sportswear—Namely, Jackets, Skirts, Blouses, and Ensembles Thereof.
Claims use since Dec. 1, 1950.

Ser. No. 609,735. National Sportswear Corp., Forest City, Pa. Filed Feb. 7, 1951.

M'LAD

For Men's and Boys' Sportswear—Namely, Jackets, Snow Suits, Trousers, Caps, and Bathing Trunks.
Claims use since Nov. 27, 1950.

Ser. No. 609,789. Dorothy S. Curtis, Washington, D. C. Filed Feb. 8, 1951.

Lederhosen by Edelweiss

The word "Lederhosen" is disclaimed.
For Shorts for Men, Women, and Children.
Claims use since Oct. 11, 1950.

Ser. No. 610,034. Suit-4-All, Inc., New York, N. Y. Filed Feb. 13, 1951.

suit-4-all.

The word "Suit" is disclaimed.
For Ladies' Suits.
Claims use since Oct. 1, 1950.

Ser. No. 610,531. Westchester Hat Company, St. Louis, Mo. Filed Feb. 26, 1951. (Sec. 2f.)

WESTCHESTER

Applicant claims ownership of Registration No. 231,110.
For Hats and Caps for Men, Women, and Children.
Claims use since May 25, 1926.

Ser. No. 610,680. Girl Scouts of the United States of America, New York, N. Y. Filed Mar. 1, 1951.

GS

Applicant claims ownership of Registrations Nos. 123,992, 137,614, and others.
For Women's and Girls' Clothing as Follows: Head Coverings—Namely, Hats, Berets, and Head Scarves; Outer Shirts—Namely, Basque Shirts and Sweat Shirts; Camp Suits; Playsuits; Shorts; Bathing Suits; Robes; Pajamas; Aprons; Slacks; Wool Jackets and Sport Jackets.
Claims use since 1920.

Ser. No. 610,942. Max Wiesen & Sons Co., Inc., New York, N. Y. Filed Mar. 6, 1951.

Starway

For Women's, Misses', and Girls' Dresses, Suits, Blouses, Waists, Slacks, Coats, Scarves, Jackets, Hats, Raincoats, Overcoats, House Coats, and Play Suits.
Claims use since Dec. 13, 1946.

Ser. No. 611,085. The Florsheim Shoe Company, Chicago, Ill. Filed Mar. 9, 1951.

Brogease

Applicant claims ownership of Registration No. 436,920.
For Footwear—Namely, Women's Shoes.
Claims use since Dec. 31, 1950.

Ser. No. 611,926. Willis Hosiery Mills Inc., Concord, N. C. Filed Mar. 28, 1951.

Cabarrus Maids

For Hosiery for Women and Girls.
Claims use since Mar. 8, 1927.

Ser. No. 612,801. Ben Greene, New York, N. Y. Filed Apr. 18, 1951.

ZIPCAP

The slogan "The Cat With Nine Lives" is disclaimed.
For Men's, Women's, Boys', and Girls' Caps.
Claims use since November 1950.

Ser. No. 613,099. Warren Knitting Mills, Inc., New York, N. Y. Filed Apr. 24, 1951.

Jules of Fifth Avenue

The words "Fifth Avenue" are disclaimed.
For Hosiery for Girls and Women.
Claims use since Apr. 16, 1951.

Ser. No. 614,684. Aquascutum, Limited, London, England. Filed June 4, 1951.

Aquascutum
OF LONDON ENGLAND

The lining is for gold. The notation "Of London, England" is disclaimed. Applicant claims ownership of Registration No. 42,796.
For Ladies' Coats and Men's Overcoats.
Claims use since July 1, 1950 in Great Britain; and since July 1, 1950, in commerce between Great Britain and the United States.

Ser. No. 615,715. Miss France Coats, Inc., New York, N. Y. Filed June 26, 1951. (Sec. 2f.)

Miss France

For Ladies' Coats, Suits, and Sport Jackets.
Claims use since July 15, 1941.

Ser. No. 615,895. His Majesty, Incorporated, Poughkeepsie, N. Y. Filed June 29, 1951.

For Neckties.
Claims use since May 2, 1951.

Ser. No. 616,818. Fidelity Machine Company, Inc., Philadelphia, Pa. Filed July 23, 1951. CERTIFICATION MARK.

Fidelity
TOPS & TRIM

For Knitted and Woven Outerwear—Namely, Hosiery, Anklets, Polo Shirts and Sweaters All for Men, Women, Children, and/or Infants.
Claims use since May 21, 1951.

Ser. No. 617,122. Rosa Espelta Porres, Barcelona, Spain. Filed July 30, 1951.

FLANDER

Applicant claims ownership of Spanish Registration No. 241,490, dated Feb. 21, 1951.
For Cravats.

Ser. No. 617,755. The H. W. Gossard Co., Chicago, Ill. Filed Aug. 16, 1951.

Gossar-teen

The word "Teen" is disclaimed. Applicant claims ownership of Registrations Nos. 235,933, 249,499, and others.
For Girdles, Panties, and Brassières.
Claims use since Aug. 14, 1951.

Ser. No. 618,113. S. Goldberg & Co. Inc., Hackensack, N. J. Filed Aug. 27, 1951.

BRAND EM

For House Slippers for Men, Women, and Children.
Claims use since May 1, 1951.

Ser. No. 618,270. Chapeaux Mossant, Bourg-de-Peage, France. Filed Aug. 24, 1951.

MOSSANT

Applicant claims ownership of French Registration No. 1,484, dated Sept. 20, 1932, and renewed under No. 2,158 on May 13, 1947.
For Felt Hats.

Ser. No. 618,547. Thomas La Maida, Cleveland, Ohio. Filed Sept. 8, 1951.

Cap to Remember

The word "Cap" is disclaimed.
For Graduation Cap.
Claims use since May 15, 1951.

Ser. No. 619,046. Victoria Silk Press Co., St. Louis, Mo. Filed Sept. 20, 1951.

ADVER-TIES

The word "Ties" is disclaimed.
For Neckties.
Claims use since March 1951.

Ser. No. 619,287. Barclay Knitwear Co., Inc., New York, N. Y. Filed Sept. 27, 1951.

BARCLA-SIZED

The word "Sized" is disclaimed.
For Play Shirts for Men, Boys, and Juveniles.
Claims use since July 5, 1951.

Ser. No. 619,366. The Silvertex Company, Philadelphia, Pa. Filed Sept. 28, 1951.

SILVERTEX

Applicant claims ownership of Registrations Nos. 234,725, 286,481, and 521,912.
For Men's, Boys', Women's, and Children's Outer Garments — Namely, Suits, Coats, Vests, Pants, Slacks, Jackets, Skirts, Overcoats, Topcoats, Raincoats, Mackinaws, Dusters, Ulsters, Shirts, and Sport Shirts.
Claims use since May 1, 1925.

Ser. No. 619,618. Gly-Ders Footwear, Racine, Wis. Filed Oct. 5, 1951.

GLY-DERS

Applicant claims ownership of Registration No. 286,679.
For Men's Shoes and Slippers Made From Leather.
Claims use since Feb. 21, 1931.

Ser. No. 619,620. Hat Corporation of America, Norwalk, Conn. Filed Oct. 5, 1951. (Sec. 2f with respect to the word "Dobbs.")

Dobbs

Applicant claims ownership of Registrations Nos. 174,832, 221,816, and others.

For Men's Hats, Caps, Overcoats, Sport Coats, Neckties, Mufflers, Gloves, and Leather Shoes; Women's Hats, Dresses, Suits, and Coats.

Claims use since 1941 as shown; and since July 1908 as to "Dobbs."

Ser. No. 619,740. The Chesapeake Shoe Mfg. Co., Baltimore, Md. Filed Oct. 9, 1951.

Campus Billy's

Applicant claims ownership of Registration No. 394,467.

For Women's Shoes.

Claims use since June 11, 1946.

Ser. No. 619,757. Jay Shoe Manufacturing Co., Inc., Cambridge, Mass. Filed Oct. 9, 1951.

Lo-Jones

For Women's and Children's Shoes.

Claims use since Sept. 6, 1951.

Ser. No. 619,940. Hat Corporation of America, Norwalk, Conn. Filed Oct. 12, 1951. (Sec. 2f with respect to the word "Dunlap.")

DUNLAP
NEW YORK

The notation "New York" is disclaimed. Applicant claims ownership of Registrations Nos. 29,342, 46,602, and others.

For Men's Hats, Caps, Coats, and Neckties; Women's Hats and Dresses.

Claims use since 1941 as shown; and since 1857 as to "Dunlap."

Ser. No. 620,304. David D. Doniger & Co., Inc., New York, N. Y. Filed Oct. 22, 1951.

Maximum

For Men's and Boys' Wearing Apparel—Namely, Sportshirts.

Claims use since Sept. 1, 1951.

Ser. No. 620,468. Kalamazoo Pant Company, Kalamazoo, Mich. Filed Oct. 25, 1951.

TWOLEGS

For Dress, Negligee, Work and Sport Shirts, Pajamas, Polo Shirts, Outer Jackets, Lumber Jackets, Lounging Robes, Bath Robes, Jumper Overalls, Jackets and Slack Suits for Men and Boys, Blouses and Play Suits for Children, Men's and Boys' Long Pants, Knickers, Slacks and Shorts for Inner and Outer Wear, Sweaters, Men's and Boys' Hats and Caps.

Claims use since Apr. 18, 1929.

Ser. No. 620,629. Edward N. Stange, doing business as Ensco Mfg. Co., Chicago, Ill. Filed Oct. 29, 1951.

ELBOW-PLUS

For Plastic Gloves for Household Use.

Claims use since Aug. 15, 1951.

Ser. No. 620,841. David D. Doniger & Co., Inc., New York, N. Y. Filed Nov. 3, 1951.

WIND CHEATER

For Men's and Boys' Wearing Apparel—Namely, Outerwear Jackets.

Claims use since July 1946.

Ser. No. 620,920. R. H. Macy & Co., Inc., New York, N. Y. Filed Nov. 6, 1951.

Capresine

For Hats.

Claims use since Sept. 10, 1951.

Ser. No. 621,066. International Shoe Co., St. Louis, Mo. Filed Nov. 9, 1951.

GRANITE ROCK

Applicant claims ownership of Registration No. 278,328.

For Shoes of Leather, Fabric, and/or Combinations Thereof for Men, Women, and Children.

Claims use since Mar. 31, 1893.

Ser. No. 621,217. The Manhattan Shirt Company, New York, N. Y. Filed Nov. 14, 1951.

GABSIZE

For Men's Outer Shirts.

Claims use since Aug. 6, 1951.

Ser. No. 621,543. Carlisle Shoe Company, Carlisle, Pa. Filed Nov. 23, 1951.

Softlings

For Ladies' and Girls' Shoes.

Claims use since Oct. 13, 1951.

Ser. No. 621,685. Saks & Company, New York, N. Y. Filed Nov. 26, 1951. (Sec. 2f.)

Buckingham

Applicant claims ownership of Registrations Nos. 429,635, 158,798, and 177,095.

For Men's and Boys' Hats, Shoes Made of Leather and Fabric, or of Combinations Thereof, Collars, Neckties, Mufflers and Scarves.

Claims use since October 1920.

Ser. No. 621,813. Joan Carol Corporation, Garfield, N. J. Filed Nov. 29, 1951.

Jocardi

For Ladies' Coats and Topcoats.

Claims use since Nov. 8, 1951.

Ser. No. 622,018. Fitts Dry Goods Company, Kansas City, Mo. Filed Dec. 3, 1951.

Dawshire

For Ladies' Coats and Suits.

Claims use since 1934.

Ser. No. 622,353. The Pioneer Rubber Company, Willard, Ohio. Filed Dec. 11, 1951.

Ebonettes

Applicant claims ownership of Registration No. 367,133.

For Household or Light Industrial Gloves of Rubber or Rubber-Like Material, or Combinations Thereof.

Claims use since Oct. 20, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 556,562. Dunbar Furniture Manufacturing Company, Berne, Ind. Filed May 8, 1948. (Sec. 2f.)

COLORTHEME

For Upholstery Fabrics of Cotton, Mohair, Silk, and Wool and Synthetic Fibers.

Claims use since 1940.

Ser. No. 600,286. Jaed & Co., Inc., Boston, Mass. Filed July 6, 1950.

Glamoray

For Corduroy Fabrics of Cotton.

Claims use since Feb. 6, 1950.

Ser. No. 605,560. Ramhoc Ltd., New York, N. Y. Filed Oct. 28, 1950.

Ramhoc

For Woven Textile Fabrics in the Piece of Linen, Silk, Ramie, Hemp, Cotton, Rayon, Woolen, Worsted, Jute, and Mixtures Thereof.

Claims use since March 1950.

Ser. No. 607,484. Burlington Mills Corporation, Greensboro, N. C. Filed Dec. 9, 1950.

BURLCRISP

Applicant claims ownership of Registration No. 550,185.

For Textile Fabrics in the Piece Made of Synthetic Fibers.

Claims use since Nov. 13, 1950.

Ser. No. 610,764. S. Stein & Co., Inc., New York, N. Y. Filed Mar. 2, 1951.

BROADMOOR

Applicant claims ownership of Registration No. 187,932.

For Woolen Fabrics in the Piece and in Cut Lengths.

Claims use since July 1, 1923.

Ser. No. 611,651. Mosse, Incorporated, New York, N. Y. Filed Mar. 22, 1951.

VIGORUB

Applicant claims ownership of Registration No. 301,549.

For Textile Bath Towels.

Claims use since Sept. 28, 1931.

Ser. No. 615,112. D. B. Fuller & Co., Inc., New York, N. Y. Filed June 13, 1951.

PLAYTONE

Applicant claims ownership of Registrations Nos. 413,495, 419,716, and 500,696.

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.

Claims use since Oct. 1, 1940.

Ser. No. 616,975. Jonas Soderblom, doing business as Wettex Company, New York, N. Y. Filed July 26, 1951.

WETTEX

For Wash Cloths and Dish Cloths.

Claims use since October 1950.

Ser. No. 618,849. Gehring Textiles, Inc., New York, N. Y. Filed Sept. 15, 1951.

PETTICRISP

For Textile Fabrics in the Piece Knitted From Cotton, Rayon, or Nylon and Mixtures Thereof.

Claims use since Aug. 29, 1951.

Ser. No. 619,377. The Associated Merchandising Corporation, New York, N. Y. Filed Sept. 29, 1951.

PERSPECTIVE

For Bedspreads, Cotton and Rayon Mixture and All Rayon Fabrics for Draperies.
Claims use since Aug. 28, 1951.

Ser. No. 619,617. Forstmann Woolen Co., Passaic, N. J. Filed Oct. 5, 1951.

DAMASEEN

Applicant claims ownership of Registration No. 253,075.
For Woolen Piece Goods.
Claims use since Sept. 26, 1951.

Ser. No. 620,349. National Mallinson Fabrics Corporation, New York, N. Y. Filed Oct. 27, 1951.

MALL O KOOL

The word "Kool" is disclaimed. Applicant claims ownership of Registrations Nos. 115,779, 347,695, and others.
For Fabrics in the Piece of Synthetic Fibers.
Claims use since Sept. 28, 1951.

Ser. No. 620,905. Waite Carpet Co., Oshkosh, Wis. Filed Nov. 5, 1951.

Scots-Wai

The word "Scots" is disclaimed. Applicant claims ownership of Registrations Nos. 204,524, 221,062, 229,375, and 551,988.
For Rugs and Carpets of Fibre.
Claims use since Sept. 17, 1951.

Ser. No. 620,906. Waite Carpet Co., Oshkosh, Wis. Filed Nov. 5, 1951.

Rush-Wai

The word "Rush" is disclaimed. Applicant claims ownership of Registrations Nos. 204,524, 221,062, 229,375, and 551,988.
For Rugs and Carpets of Fibre.
Claims use since Sept. 17, 1951.

Ser. No. 620,907. Waite Carpet Co., Oshkosh, Wis. Filed Nov. 5, 1951.

Purl-Wai

The word "Purl" is disclaimed. Applicant claims ownership of Registrations Nos. 204,524, 221,062, 229,375, and 551,988.
For Rugs and Carpets of Cotton and Fibre.
Claims use since Sept. 17, 1951.

Ser. No. 620,992. Argonaut Mills, Milwaukee, Wis. Filed Nov. 8, 1951.

ARGO Nyl

For Knitted Pile Fabric Made of Cotton, Wool, and Synthetic Fibers Sold in the Piece or Bulk.
Claims use since Oct. 11, 1951, as shown; and since Sept. 7, 1946, as to "Argo."

Ser. No. 624,472. Deering, Milliken & Co., Inc., New York, N. Y. Filed Feb. 4, 1952.

COWANAIRE

For Textile Fabrics Made of Wool and Synthetic Fibers and Combinations Thereof.
Claims use since Dec. 5, 1951.

Ser. No. 624,475. Deering, Milliken & Co., Inc., New York, N. Y. Filed Feb. 4, 1952.

MERIBA

For Textile Fabrics Made of Wool and Synthetic Fibers and Combinations Thereof.
Claims use since Oct. 24, 1951.

Ser. No. 624,477. Deering, Milliken & Co., Inc., New York, N. Y. Filed Feb. 4, 1952.

VISA

For Textile Fabrics Made of Wool and Synthetic Fibers and Combinations Thereof.
Claims use since Nov. 27, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 621,897. National Automotive Fibres, Inc., Oakland, Calif. Filed Nov. 30, 1951.

'GLASCOT'

For Yarn.
Claims use since Oct. 17, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 538,859. Becton Dickinson and Company, Rutherford, N. J. Filed Oct. 24, 1947. (Sec. 2f.)

MEDICAL CENTER

Applicant claims ownership of Registration No. 306,111.
For Syringes and Needles Made for Hypodermic and Other Medical and Surgical Uses; Clinical Thermometers; and Blood Pressure Apparatus—Namely, Sphygmomanometers.
Claims use since October 1930.

Ser. No. 583,539. Edward J. Kepler, doing business under the name of Bon Aire Specialties, Chicago, Ill. Filed Aug. 16, 1949.

Bon Aire

For Home Hair Waving Supplies—Namely, Atomizers for Cosmetic and Chemical Liquids, Scalp Heat Protectors Known as Spacers, Heat Domes for Drying Hair Known as Driers, and Cold Wave End Papers.
Claims use since April 1948.

Ser. No. 596,173. Middlebrooke Lancaster, Inc., Brooklyn, N. Y. Filed Apr. 22, 1950.

Nutrine

Applicant claims ownership of Registration No. 407,708.
For Electrically Heated Caps, Facial Masks and Electrically Heated Mittens Used Solely for Beauty Treatment To Be Worn During Beauty Treatments.
Claims use since Aug. 4, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 613,056. Dodge & Olcott, Inc., New York, N. Y. Filed Apr. 24, 1951.

D&O

Applicant claims ownership of Registration No. 269,197.
For Vanilla and Other Flavor Bases for Use in the Manufacture of Maltless Soft Drinks.
Claims use since July 1950 on the mark as shown; and since 1930 as to "D&O."

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 541,399. Brecht Candy Company, Denver, Colo., assignee of Brecht Candy Co., a limited partnership. Filed Nov. 17, 1947.

Sextette

For Candy.
Claims use since July 1, 1916.

Ser. No. 542,057. Sunshine Biscuits, Inc., Long Island City, N. Y. Filed Nov. 22, 1947.

CREAM LUNCH

Applicant claims ownership of Registration No. 339,824.
For Crackers.
Claims use since May 1908.

Ser. No. 558,193. Topps Chewing Gum, Incorporated, Brooklyn, N. Y. Filed June 22, 1948.

Tatoo

Applicant claims ownership of Registration No. 303,195.
For Chewing Gum.
Claims use since Apr. 5, 1948.

Ser. No. 566,212. Chillo Products Co., San Francisco, Calif. Filed Oct. 1, 1948.

JOLLY JINGLE

For Chocolate Coatings for Dipping Ice Cream, Candy, and Small Cakes; Syrup Toppings; and Crushed Fruits for Use in Preparing and Serving Ice Cream, Bakery Goods, and Confections.
Claims use since Aug. 27, 1948.

Ser. No. 578,715. John Sexton & Co., Chicago, Ill. Filed May 12, 1949. (Sec. 2f.)

Sexton

Applicant claims ownership of Registration No. 370,021.
For Meat Products—Namely, Boned Chicken, Boned Turkey, Smoked Turkey, Chipped Dried Beef, Sliced Dried Beef, Beef Stew, Corned Beef Hash, Broiled Hamburgers, Brown Gravy With Beef, Beef in Barbecue Sauce, Lamb's Tongue, Sliced Beef Tongue, Whole Beef Tongue, Corned Beef Loaf, Luncheon Loaf, Deviled Ham, Boneless Pork Tidbits, Frankfurters in Brine, Liver Canape Spread, Meat Balls in Tomato Sauce, Vienna Sausage, Chili Con Carne With Beans, Macaroni and Beans With Beef, Spaghetti With Meat Balls, and Raviola With Meat; Baking Aids—Namely, Baking Powder, Breading, Imitation Butter Flavor, Marshmallow Creme Topping, Whip Powder for Making Frostings, Food Coloring, and Powdered Lemon Mix; Seasoning Materials—Namely, Jamaica Allspice, Saigon Cinnamon, Java Cinnamon, Penang Cloves, Jamaica Ginger, Banda Mace, Dry Mustard, Nutmeg, Black Pepper, Cayenne Pepper, White Pepper, Red Pepper, Apple Pie Spice, Pumpkin Pie Spice, Paprika, Chili Powder, Cal-Mex Seed Pods, Mexican Pepper, Chili Seasoning, Comino Seed, Oregano, Mixed Pickling Spice, Celery Salt, Celery Seasoning, Cream of Tartar, Creole Seasoning, Curry Powder, Garlic Powder, Garlic Seasoning, Garlic Juice, Onion Powder, Onion Salt, Onion Seasoning, Salt and Pepper Mix, Monosodium Glutamate Seasoning, Almond Paste, Apricot Paste, Macaroon Paste, Capers, Dried Mushrooms, Beef Soup Base, Onion Soup Base, Beef Bouillon Cubes, Chicken Bouillon Cubes, Vegetable Bouillon Cubes; Extracts for Food Purposes—Namely, Vanilla Extract, Lemon Extract, Orange Extract, Maple Extract, Almond Extract, Banana Extract, Wild Cherry Extract, Black Walnut Extract, and Garlic Extract; Relishes—Namely, Corn Relish, Dill Pickle Relish, Pepper Relish, Sweet Pickle Relish; Herbs—Namely, Sweet Basil, Bay Leaves, Marjoram, Rosemary Leaves, Sage, Thyme, Saffron, and Gumbo File; Preserves and Jellies—Namely, Apricot Preserves, Blackberry Preserves, Boysenberry Preserves, Black Cherry Preserves, Cherry Preserves, Peach Preserves, Pineapple Preserves, Plum Preserves, Red Raspberry Preserves, Strawberry Preserves, Tomato Conserve, Apricot Spread, Red Cherry Jam,

Grape Jam, Plum Jam, Black Raspberry Jam, Orange Marmalade, Apple Jelly, Crab Apple Jelly, Red Currant Jelly, Elderberry Jelly, Grape Jelly, Guava Jelly, and Apple Butter; Sauces—Namely, Barbecue Sauce, Chop Suey Sauce, Soy Sauce, Chutney Sauce, Creole Sauce, Mint Sauce, Mushroom Catsup, Mushroom Sauce, Spaghetti Sauce, Tartare Sauce, Tabasco Sauce, Worcestershire Sauce, Newburg Sauce, Bordelaise Sauce, Bercy Sauce, Rum Flavoring Sauce, Brandy Flavoring Sauce, Sherry Flavoring Sauce; Food Specialties—Namely, Apricot Pulp, Bar-le-Duc Jelly, Brown Bread, Date Nut Roll, Brandied Hard Sauce, Mushrooms, Egg Noodles, Mandarin Oranges, Peanut Butter, Cashew Spread, Hearts of Palm, Green Peppers, Pate de Foie Gras, Whole Goose Liver, Plum Pudding, Pimientos, French Fried Potatoes, French Fried Onions, Potato Salad, Truffles, and Welsh Rarebit; Bakery Goods—Namely, Cookies, Nut Rolls, Crackers, and Pretzels; Beverage Products—Namely, Tea, Coffee, and Chocolate for Baking and Cooking Purposes; Candy; Canned Products—Namely, Fruits, Vegetables; Sea Food—Namely, Tuna, Tuna Flakes, Salmon, Lobster, Crabmeat, Clams, Shrimp, Oysters, and Sardines; Soups, Fruit and Vegetable Juices; Cheese; Spices; Vinegar; Salt; Pepper; Mustard; Dessert Preparations; Mayonnaise and Salad Dressings; Olives and Pickles; Packaged Flour, Noodles, and Dehydrated Products—Namely, Onion Flakes, Parsley Flakes, Potatoes, Okra, Tomatoes, Horse Radish, and Cranberries; Table Syrups; Soda Fountain Syrups for Making Ice Cream Sodas; Molasses, Honey, and Sundae Toppings for Use on Ice Cream.

Claims use since 1928.

Ser. No. 582,485. Koepplinger's Bakery, Detroit, Mich. Filed July 25, 1949.

"EARLY AMERICAN"

The word "American" is disclaimed.
For Bread.
Claims use since June 1, 1948.

Ser. No. 592,252. The Colonial Sugar Refining Company, Limited, Sydney, New South Wales, Australia. Filed Feb. 10, 1950.

FIJI CHIEF

The word "Fiji" is disclaimed.
For Canned Pineapple.
Claims use since December 1938; and first used in commerce between foreign nations and the United States in May 1939.

Ser. No. 592,253. The Colonial Sugar Refining Company, Limited, Sydney, New South Wales, Australia. Filed Feb. 10, 1950.

FIJI KING

The word "Fiji" is disclaimed.
For Canned Pineapple.
Claims use since December 1938; and was first used in commerce between foreign nations and the United States in May 1939.

Ser. No. 592,254. The Colonial Sugar Refining Company, Limited, Sydney, New South Wales, Australia. Filed Feb. 10, 1950.

FIJI KING

The word "Fiji" is disclaimed.
For Canned Pineapple Juice.
Claims use since December 1938; and was first used in commerce between foreign nations and the United States in May 1939.

Ser. No. 592,255. The Colonial Sugar Refining Company, Limited, Sydney, New South Wales, Australia. Filed Feb. 10, 1950.

FIJI QUEEN

The word "Fiji" is disclaimed.
For Canned Pineapple.
Claims use since December 1938; and use in commerce between foreign nations and the United States since May 1939.

Ser. No. 595,490. Blue Anchor Packing Co., Inc., Blue Anchor, N. J. Filed Apr. 10, 1950.

Shell Crown

For Frozen Oysters Prepared for Frying and Frozen Cooked Crab Cakes.
Claims use since Apr. 5, 1950.

Ser. No. 601,610. The Euclid Candy Company, Inc., Brooklyn, N. Y. Filed Aug. 2, 1950.

Aunt Hatties

For Candy.
Claims use since 1920.

Ser. No. 601,904. L. S. Heath & Sons, Inc., Robinson, Ill. Filed Aug. 8, 1950. (Sec. 2f.)

HEATH

Applicant claims ownership of Registrations Nos. 319,967 and 389,755.
For Ice Cream, Cheddar Cheese, Creamed Cottage Cheese, Butter, Whipping Cream, Coffee Cream, Pasteurized Cereal Milk, Homogenized Pasteurized Milk, Pasteurized Cream Top Milk, Pasteurized Buttermilk, and Pasteurized Chocolate Milk.
Claims use since Jan. 1, 1936.

Ser. No. 609,167. Conrad Rice Milling and Planting Company, New Iberia, La. Filed Jan. 24, 1951.



The mark consists of the word "Konriko" displayed within a scroll or ribbon and of a sheaf of rice, within a background of rice grains which encircles the entire center of the package. No claim is made to the exclusive right to use the words "Supreme Quality Rice" and the representations of the rice apart from the mark as shown.
For Rice.
Claims use since Oct. 1, 1950.

Ser. No. 611,072. Henry Becker & Son, Inc., Roseland, N. J. Filed Mar. 9, 1951.



The term "Roseland, N. J." and the abbreviation "Inc." are disclaimed. Applicant claims ownership of Registrations Nos. 287,947, 287,982, and others.
For Dairy Products—Namely, Fresh Milk, Fresh Cream, Butter, Fresh Eggs, Cheese.
Claims use since Jan. 15, 1951, as shown; and since Jan. 10, 1905, as to the name "Henry Becker & Son, Inc." in the circular design.

Ser. No. 611,793. Dayton O. Leiby, doing business as Tate-O-Nut Donut Shop, Alhambra, Calif. Filed Mar. 26, 1951.



The word "Sandwich" and the pictorial representation of the goods are disclaimed.
For Ground Meat Sandwiches.
Claims use since Dec. 1, 1950.

Ser. No. 611,869. Wilder Trading Corporation, New York, N. Y. Filed Mar. 27, 1951.

MONA LISA

For Canned Fish.
Claims use since Mar. 14, 1951.

Ser. No. 612,270. Oakland Strawberry Association, Incorporated, Oakland, Ky. Filed Apr. 5, 1951. (Sec. 2f).

OAKLAND

For Fresh and Frosen Strawberries.
Claims use since June 15, 1921.

Ser. No. 614,700. Hickmott Canning Co., Antioch, Calif. Filed June 4, 1951.

SIGNATURE

Applicant claims ownership of Registrations Nos. 121,894 and 251,279.
For Canned Vegetables and Canned Fruits.
Claims use since Jan. 1, 1892.

Ser. No. 614,857. Trudeau Candies, Inc., St. Paul, Minn., assignor to Fenn Bros., Inc., Sioux Falls, S. Dak., a corporation of South Dakota. Filed June 6, 1951.

Royal Brazils

The word "Brazils" is disclaimed.
For Candy.
Claims use since Aug. 30, 1948.

Ser. No. 617,731. Riley Brothers (Halifax) Limited, Halifax, Yorkshire, England. Filed Aug. 15, 1951. (Sec. 2f.)

Riley's

Applicant claims ownership of British Registration No. 624,506, dated July 27, 1943, and United States Registration No. 287,109.
For Candy.
Claims use since 1903 in Great Britain; and since Mar. 15, 1913, in commerce between Great Britain and the United States.

Ser. No. 618,253. Alexander Wood & Son, Peterhead, Scotland. Filed Apr. 7, 1952.



The word "Brand" is disclaimed. Applicant claims ownership of British Registration No. 67,922, dated Sept. 27, 1887, and United States Registration No. 269,423.
For Herrings Preserved in Brine.

Ser. No. 619,062. American Kitchen Products Company, Jersey City, N. J. Filed Sept. 21, 1951.

"STEERO"

Applicant claims ownership of Registration Nos. 502,448, 74,327, and 81,568.
For Preparations in the Form of Cubes for Making Beef Broth, Chicken Broth, and Vegetable Broth.
Claims use since Feb. 1, 1909.

Ser. No. 619,190. Consolidated Products Company, Danville, Ill. Filed Sept. 25, 1951.

SPARX

Applicant claims ownership of Registration No. 539,344.
For Animal Feed—Namely, Feed for Dogs and Pigs.
Claims use since Oct. 21, 1949.

Ser. No. 621,552. Flying B Honey Co., Delta, Colo. Filed Nov. 23, 1951.

FLYING B

For Honey.
Claims use since Dec. 1, 1950.

Ser. No. 621,741. Wood's Mincemeat Company, Baltimore, Md. Filed Nov. 27, 1951. (Sec. 2f.)

Wood's

For Mincemeat.
Claims use since 1897.

Ser. No. 622,109. Fine Products Corporation, Augusta, Ga. Filed Dec. 5, 1951.

Hospitality Chocolates

The word "Chocolates" is disclaimed. Applicant claims ownership of Registration No. 155,789.
For Candy.
Claims use since 1921.

Ser. No. 622,303. M. J. B. Co., Wilmington, Del., and San Francisco, Calif. Filed Dec. 10, 1951.

M·J·B

Applicant claims ownership of Registrations Nos. 110,878, 110,880, and 412,455.
For Coffee, Rice, and Dried Beans.
Claims use since 1890.

Ser. No. 622,314. J. & K. Sato, National City, Calif. Filed Dec. 10, 1951.

A-GAIN

For Fresh Vegetables.
Claims use since Oct. 28, 1951.

Ser. No. 623,324. J. A. Wood, doing business as J. A. Wood Company, Phoenix, Ariz. Filed Jan. 8, 1952.

LA MINA

For Fresh Vegetables.
Claims use since Mar. 9, 1951.

Ser. No. 625,266. General Foods Corporation, New York, N. Y. Filed Feb. 20, 1952.

LOG CABIN

Applicant claims ownership of Registrations Nos. 17,812, 29,409, and others.
For Table Syrup.
Claims use since May 1, 1888.

Ser. No. 625,455. Brecht Candy Company, Denver, Colo. Filed Feb. 25, 1952.

Western Hospitality

For Chocolate Candy.
Claims use since Apr. 1, 1951.

CLASS 47

WINES

Ser. No. 571,958. Ellis Brothers, Inc., Chicago, Ill. Filed Jan. 11, 1949.

MAHZEL

For Wines.
Claims use since Dec. 28, 1948.

Ser. No. 579,616. Offley Forrester, Limitada, Vila Nova De Gaia, Portugal. Filed May 27, 1949. (Sec. 2f.)

OFFLEY

Applicant claims ownership of Registration No. 66,815.
For Port Wine.
Claims use since 1776 in Great Britain; and since December 1933 in commerce between Portugal and the United States.

Ser. No. 588,533. Standard Food Products Corp., Brooklyn, N. Y. Filed Nov. 29, 1949.



St. Emilion

The notation "St. Emilion" is disclaimed.
For Wines.
Claims use since Jan. 5, 1949.

Ser. No. 599,757. The Globe Distributing Company, Washington, D. C. Filed June 26, 1950.

TV

For Wines.
Claims use since Apr. 26, 1950.

Ser. No. 611,884. Bisceglia Brothers Wine Co., doing business as Winedale Vineyards Co., Fresno, Calif. Filed Mar. 28, 1951.

TV

For Wines.
Claims use since Mar. 21, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 537,347. F. H. Noble & Co., Chicago, Ill. Filed Oct. 9, 1947. (Sec. 2f.)

TROPHIES for CHAMPIONS

For Statuettes, Figurines, Plaques, Ornamental Cups, Medals, Emblems; Miniature Reproductions of Sport Balls—Namely, Baseballs, Golf Balls, Tennis Balls, Hand Balls, Soccer Balls, Volley Balls, Bowling Balls, Basket Balls, and Footballs; Badges.
Claims use since Oct. 14, 1936.

Ser. No. 622,970. Samuel Brown, doing business as Brown & Brown, Mobile, Ala. Filed Nov. 9, 1951. (Sec. 2f.)

WEATHER-TITE

Applicant claims ownership of Registration No. 520,117.
For Canvas Products—Namely, Tarpaulins, Awnings, Truck Covers, and Hatch Covers.
Claims use since Sept. 1, 1946.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 592,979. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed Feb. 24, 1950.

DOUBLE PEONY

For Lipstick and Nail Lacquer.
Claims use since Feb. 1, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 587,162. No-Boil Fluid Chemical Company, Jamestown, N. Y. Filed Oct. 17, 1949. (Sec. 2f.)

NO-BOIL

Applicant claims ownership of Registration No. 417,381.
For Washing Compound for Use in Cleaning Clothes Having Incidental Bleaching Properties and for Removing Stains, Cleaning Floors, Glass, and Painted Woodwork.
Claims use since July 1, 1927; and since June 1, 1940, in the present style of lettering.

Ser. No. 598,604. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed June 5, 1950.

Rik Rak

For Cleansing Powder for General Household Use.
Claims use since Dec. 15, 1949.

Ser. No. 603,355. The Davies-Young Soap Company, Dayton, Ohio. Filed Sept. 9, 1950.

GERMELIM

For Cleaner for Floor Scrubbing Solutions and Having Incidental Disinfectant Properties.
Claims use since Aug. 31, 1950.

Ser. No. 607,450. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed Dec. 8, 1950.

PENSO

For Alkaline Detergents for Bottle Washing and Related Uses in Dairies, Breweries, Beverage Bottling Plants, and Other Food and Beverage Processing Plants.
Claims use since Jan. 20, 1950.

Ser. No. 607,894. Culpeper House Limited, London, England. Filed Dec. 20, 1950.

CULPEPER

For Shampoos and Perfumed Soap.
Claims use since 1927; and first used in commerce between Great Britain and the United States and among the several States of the United States in 1927.

Ser. No. 610,772. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 2, 1951.

WEDAC

For Synthetic Detergent and Organic Inhibitor—Namely, an Acid Cleaner and Rust Remover for Metals.
Claims use since Dec. 8, 1950.

Ser. No. 611,152. The Simonis Company, Chicago, Ill. Filed Mar. 10, 1951.

SIMONIZ

Applicant claims ownership of Registration No. 137,701.
For Chrome and Metal Cleaner in Liquid Form, and for a Tar Solvent in Liquid Form.
Claims use since May 16, 1936.

Ser. No. 613,113. Automatic Controls Corporation, Ann Arbor, Mich. Filed Apr. 25, 1951.

SUDSLETS

For Detergent Tablets for Use in a Fountain Brush.
Claims use since Dec. 13, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 603,359. The Flaming Pit, Inc., Denver, Colo. Filed Sept. 9, 1950.

The Flaming Pit

For Serving Food and Beverages in Restaurants.
Claims use since June 1, 1948.

Ser. No. 604,384. Phi Alpha Theta, Allentown, Pa. Filed Oct. 3, 1950. COLLECTIVE MARK.

Phi Alpha Theta

Applicant claims ownership of Registration No. 307,765.
For Organizing of Chapters of a National Honorary History Fraternity and the Establishment and Maintenance of Membership Therein and Furthering the Civic and Educational Ideals Thereof.
Claims use since 1938 on the mark as shown; and since Mar. 17, 1920, on "Phi Alpha Theta."

Ser. No. 607,903. Schlumberger Well Surveying Corporation, Houston, Tex. Filed Dec. 20, 1950. (Sec. 2f as to "Schlumberger.")



The representation of the well derrick and the logging charts is disclaimed.
For Services Rendered in Connection With Oil, Gas, and Water Wells—Namely, Electrical Logging, Radioactivity Logging, Induction Logging, Temperature Logging, Section Gauge Surveys, Dip Determinations, Direction and Deviation Surveys, Geophone Surveys, Depth Determinations, Side Wall Sample Taking, Perforating, Radioactive Marker Placing and Locating, Casing Collar Locating, and Bridge Plug Setting.
Claims use since July 13, 1950, on the mark as shown; and since 1934 on the word "Schlumberger."

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 599,870. Frederick E. Gymer, Cleveland, Ohio. Filed June 28, 1950.

"LET'S HAVE BETTER MOTTOES"

For Preparation of Advertising and Sales Promotion Material for Use in a Syndicated Direct Mail Sales Promotion Activity.
Claims use since Nov. 7, 1946.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 559,925. Industrial Trust Company, Providence, R. I. Filed June 22, 1948.

Ann Baker

The name "Ann Baker" is fictitious.
For Banking and Trust Services—Namely, Financing, Credit and Loan Services, Savings Accounts, Checking Accounts, Foreign Exchange, Investment Services, Trust Services, Collection Services, Money Orders, and Travelers' Checks.
Claims use since May 10, 1948.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 603,998. The E. F. Hauserman Company, Cleveland, Ohio. Filed Sept. 26, 1950.



For Installation, Repairing, and Remodelling of Movable Interior Walls or Partitions, Generally Made of Sheet Metal, and Glazing, Painting and Preparation of Such Walls and Partitions for Wiring and Installation of Electrical Fittings.
Claims use since Mar. 15, 1945.

Ser. No. 615,086. T. F. Scholes, Inc., Reading, Pa. Filed June 12, 1951.



For Railroad Track Construction Engineering and Repair.
Claims use since Dec. 1, 1949.

Ser. No. 624,913. Seal-Peel, Inc., New York, N. Y., and Van Dyke City, Mich. Filed Feb. 20, 1952. (Sec. 2f.)

Seal-Peel

Applicant claims ownership of Registration No. 420,169.
For Treating Articles of Manufacture of Others With a Plastic Protective Coating for Shipping and Storage.
Claims use since May 15, 1946.

CLASS 106

MATERIAL TREATMENT

Ser. No. 607,231. Nolder Steel Company, Chicago, Ill. Filed Dec. 2, 1950.



For Treatment of Sheets or Coils of Metal, Such as Steel, Aluminum, Copper, and Brass, by Shearing, Slitting, Edge Rolling, Flattening and Bending; Cutting Coils to Lengths; and Breakdown of Coils to Smaller Weight Coils.
Claims use since January 1945.

Ser. No. 610,878. Velveray Corporation, Clifton, N. J., Fall River, Mass., and New York, N. Y. Filed Mar. 5, 1951.

SUEDON

For Printing, Decorating, and Ornamenting Sheet Plastic Materials To Be Used for Table and Furniture Covers, Draperies, Wall Coverings, Garment Bags, Raincoats, Shower Curtains, and the Like.
Claims use since Jan. 15, 1951.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 583,132. Ideal Pictures Corporation, Chicago, Ill. Filed Aug. 6, 1949.

Ideal Pictures

The word "Pictures" is disclaimed.
For Leasing of Developed Motion Picture Films.
Claims use since 1920.

Ser. No. 618,834. Bob Jones University, Greenville, S. C. Filed Sept. 4, 1951.



For Furnishing of Motion Picture Films on a Lease Basis.
Claims use since Oct. 1, 1950.

Ser. No. 620,607. Joseph Kolodny, Baltimore, Md. Filed Oct. 29, 1951.

THE COURT OF Common Sense.

For Information and Instructive Service Relating to Traffic Laws and Traffic Problems in Baltimore and Elsewhere, Rendered Through the Medium of a Television Broadcast Program.
Claims use since Feb. 8, 1949.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,692. Sensitized, Transparent, Photographic Papers To Make Engineering Reproductions. Keuffel & Esser Company, Hoboken, N. J.
Filed Apr. 24, 1946, Serial No. 500,803. Published Feb. 19, 1952. Class 26.

444,693. Papeteries, I. E., Stationery Comprising Envelopes and/or Paper Either Flat or Folded, Put Up in Boxes, Portfolios or Banded Packages. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,090. Published Mar. 11, 1952. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

559,735. Telephone-Holder Attachable to the Arm of a Cradle-Type Telephone Transmitter-Receiver. Hold-the-Phone! Inc., Detroit, Mich., assignor to Bainbridge, Kimpton and Haupt, Inc., New York, N. Y.
Original filed, act of 1905, Jan. 8, 1946; amended to application under act of 1946, Principal Register, Oct. 1, 1947, Serial No. 494,448. Published Feb. 12, 1952. Class 21.

559,736. Fluorescent Lighting Fixtures, Ballast, Starters, Shields, Reflectors, and Control Switches Therefor, in Fluorescent Industrial Lighting Systems. Holden-line Co., Cleveland, Ohio.
Original filed, act of 1905, Dec. 21, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 514,655. Published Feb. 12, 1952. Class 21.

559,737. Paper Tablets. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Mar. 24, 1949, Serial No. 526,103. Published Feb. 26, 1952. Class 37.

559,738. Drawing Templates. Eugene Dietzgen Co., Chicago, Ill.
Filed Sept. 12, 1947, Serial No. 534,252. Published Feb. 12, 1952. Class 26.

559,739. Corn Seed Hybrids and Field Seeds. Carlton H. Andrew, doing business as The Andrew Brothers, Platteville, Wis.
Filed Oct. 8, 1947, Serial No. 537,125. Published Mar. 18, 1952. Class 1.

559,740. Scrapple. Albert F. Goetze, Incorporated, Baltimore, Md.
Filed Nov. 19, 1947, Serial No. 541,668. Published Mar. 11, 1952. Class 46.

559,741. Kraft Paper, Sulphite Paper, Bond Paper, Ground-Wood Paper, and Manila Paper, Both Gummed and Ungummed, Sold in Wide Rolls. Mid-States Gummed Paper Co., Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 546,927. Published Jan. 8, 1952. Class 37.

559,742. Power Press Tools—Namely, Blanking, Bending, and Drawing Dies, Drill Jigs, Milling Jigs, Embroidery Machines, and Parts Thereof. Leonard Brody, West New York, N. J.
Filed Feb. 4, 1948, Serial No. 548,714. Published Feb. 19, 1952. Class 23.

559,743. Reenforced Paper for Wrapping and Packaging. American Reenforced Paper Company, Attleboro, Mass.
Filed Mar. 26, 1948, Serial No. 553,056. Published Mar. 4, 1952. Class 37.

559,744. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., and elsewhere, doing business as The Wilson Flour Mills, Wilson, Kans.
Filed Apr. 3, 1948, Serial No. 553,771. Published Feb. 5, 1952. Class 46.

559,745. Drawing Papers and Illustration Boards Having a Specially Prepared Luminescing Surface for Specific Activation by an Irradiating Source. Kemart Corporation, San Francisco, Calif.
Filed Apr. 8, 1948, Serial No. 554,129. Published Mar. 4, 1952. Class 37.

559,746. Perfume, Lipstick, Rouge, and Face Powder. Consolidated Cosmetics, Chicago, Ill., assignor to Les Parfums de Dana, Inc., New York, N. Y., a corporation of New York.
Filed Apr. 21, 1948, Serial No. 555,160. Published Feb. 12, 1952. Class 51.

559,747. Rubber Boots, Pacs, Overshoes, Novelty Gaiters, Rubber Shoes, and Combination Rubber and Canvas Shoes Made in Rubber Factories. Goodyear Rubber Company, Middletown, Conn.
Filed May 21, 1948, Serial No. 557,519. Published Nov. 1, 1949. Class 39.

559,748. Combination Transparent Mirror and Door Wicket. Magic Mirror Associates, Inc., New York, N. Y.
Filed June 5, 1948, Serial No. 558,569. Published Feb. 14, 1950. Class 32.

559,749. Face Powder and Talcum Powder. Harriet Hubbard Ayer, Inc., New York, N. Y., assignor to Lever Brothers Company, New York, N. Y., a corporation of Maine.
Filed June 22, 1948, Serial No. 559,898. Published Jan. 22, 1952. Class 51.

559,750. Crib Mattresses. The Chas. A. Maish Co., Cincinnati, Ohio.
Filed July 27, 1948, Serial No. 562,268. Published Mar. 11, 1952. Class 32.

559,751. Sofas, Love Seats, Ottomans, Occasional Chairs, Bedroom Chairs, Etc. Paris Decorators Corp., New York, N. Y.
Filed Aug. 28, 1948, Serial No. 564,346. Published Mar. 11, 1952. Class 32.

559,752. Produce—Namely, Fresh Eggs and Fresh Potatoes. Food Fair Stores, Inc., Philadelphia, Pa.
Filed Sept. 17, 1948, Serial No. 565,327. Published Feb. 12, 1952. Class 46.

559,753. Display Cabinets. Hartwig Incorporated, Milwaukee, Wis.
Filed Sept. 24, 1948, Serial No. 565,781. Published Mar. 4, 1952. Class 32.

559,754. Mailing Envelopes. Tension Envelope Corporation, Kansas City, Mo.
Filed Sept. 30, 1948, Serial No. 566,193. Published Mar. 11, 1952. Class 37.

559,755. Fresh Citrus Fruits. Consolidated Orange Growers, Orange, Calif.
Filed Jan. 3, 1949, Serial No. 571,515. Published Feb. 5, 1952. Class 46.

559,756. Wood Case Pieces of Furniture—Specifically, Tables and Seating Pieces. Dunbar Furniture Manufacturing Company, Berne, Ind.
Filed Jan. 3, 1949, Serial No. 571,519. Published Mar. 18, 1952. Class 32.

559,757. Combination Chum Pot, Minnow Trap, and Minnow Bucket. Frederick J. Adams, doing business as Adams Welding Service, Philadelphia, Pa.
Filed Jan. 8, 1949, Serial No. 571,834. Published Mar. 11, 1952. Class 22.

559,758. Correction Filters for Black and White and Color Photographic Films. Tiffen Manufacturing Corporation, New York, N. Y.
Filed Jan. 15, 1949, Serial No. 572,282. Published Feb. 26, 1952. Class 26.

559,759. Paper—Namely, Paper for Use for Greeting Cards. American Greeting Publishers, Inc., Cleveland, Ohio, now by change of name American Greetings, Inc.
Filed Jan. 21, 1949, Serial No. 572,474. Published Mar. 18, 1952. Class 37.

559,760. Cattle Feed Composed of Grains and Minerals. Albers Milling Company, Seattle, Wash., Portland, Oreg., and Oakland and Los Angeles, Calif.
Filed Feb. 19, 1949, Serial No. 574,127. Published Feb. 12, 1952. Class 46.

559,761. Brief Cases Made of Leather and Simulated Leather. Leathercraft, Inc., Chicago, Ill.
Filed Mar. 23, 1949, Serial No. 575,915. Published Mar. 25, 1952. Class 3.

559,762. Butter, Chili Sauce, Coffee, Dried and Dehydrated Fruits, Etc. Associated Grocers' Company of St. Louis, Mo., St. Louis, Mo.
Filed Mar. 29, 1949, Serial No. 576,246. Published Nov. 6, 1951. Class 46.

559,763. Polishing and Cleaning Preparations—Namely, Scrubbing Soaps, Wax Soaps, Liquid Spirit Waxes, Paste Waxes, and Rug Shampoos. Finnell System, Inc., Elkhart, Ind.
Filed Apr. 1, 1949, Serial No. 576,487. Published Mar. 18, 1952. Class 4.

559,764. Poultry Feeding Materials Consisting of Finely Divided Calcium Carbonate. Allied Minerals, Inc., West Chelmsford, Mass.
Filed Apr. 8, 1949, Serial No. 576,785. Published Mar. 18, 1952. Class 46.

559,765. Merchandiser Cabinets and Service Desks. Kent-Moore Organization, Inc., Detroit, Mich.
Filed Apr. 14, 1949, Serial No. 577,126. Published Mar. 4, 1952. Class 32.

559,766. Detergents Used for Cleaning and Water Softening Purposes. Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y.
Filed May 25, 1949, Serial No. 579,491. Published Mar. 18, 1952. Class 52.

559,767. Cleaners Used To Clean Metals Preparatory To Painting—Namely, Alkaline Metal Cleaners, Rust Removers and Cleaners, and Pre-Painting Metal Treatment Cleaners in Powder or Liquid Form. Klem Chemicals Inc., Dearborn, Mich.
Filed June 16, 1949, Serial No. 580,603. Published Mar. 18, 1952. Class 52.

559,768. Cheese. Purity Cheese Company, Mayville, Wis.
Filed June 28, 1949, Serial No. 581,211. Published Mar. 18, 1952. Class 46.

559,769. Tobacco Pouches. Sears, Roebuck and Co., Chicago, Ill.
Filed June 30, 1949, Serial No. 581,363. Published Mar. 18, 1952. Class 8.

559,770. Portable Bars Not Equipped With Refrigeration. Tri-Boro Manufacturing Co., Corona, N. Y.
Filed July 21, 1949, Serial No. 582,328. Published Mar. 18, 1952. Class 32.

559,771. Electrical Apparatus—Namely, Loud Speaker Chassis and Phonograph Chassis. Hawley Products Company, St. Charles, Ill.
Filed July 23, 1949, Serial No. 582,426. Published Feb. 5, 1952. Class 21.

559,772. Washing Racks for Venetian Blinds. Charles L. Hittel, Newark, N. J.
Filed July 29, 1949, Serial No. 582,687. Published Mar. 4, 1952. Class 24.

559,773. Centrifugal Casting Machines for Casting Hollow Articles of Generally Circular Cross-Section. Herman Pneumatic Machine Company, Pittsburgh, Pa.
Filed Aug. 11, 1949, Serial No. 583,343. Published Mar. 4, 1952. Class 23.

559,774. Mouth Wash. Extraction and Chemical Company, Inc., New York, N. Y.
Filed Sept. 3, 1949, Serial No. 584,444. Published Feb. 12, 1952. Class 51.

559,775. Salted Popped Popcorn and Unpopped Popcorn. Charles J. Miller, doing business under the firm name of The Korn Popper, Lincoln, Nebr.
Filed Oct. 14, 1949, Serial No. 586,296. Published Mar. 18, 1952. Class 46.

559,776. Cereal Flour for Use in Cooking and Baking. Union Trading Company Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,375. Published Mar. 18, 1952. Class 46.

559,777. Cereal Flour for Use in Cooking and Baking. Union Trading Company Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,382. Published Mar. 18, 1952. Class 46.

559,778. Laminated Material—Namely, Paper, Laminated With Rubber Hydrochloride, Sold in Sheet Form and Used as a Sealing Liner in Caps Which Are Used as Closures on Glass, Metal, or Other Containers Used for Packaging Foods, Fruits, Drugs, Cosmetics, Etc. Standard Cap and Seal Corporation, Chicago, Ill.
Filed Oct. 17, 1949, Serial No. 586,438. Published Mar. 4, 1952. Class 37.

559,779. Sleeveless Jackets Embodying Inflatable Portions and Functioning as Life-Preservers. McLean Mfg. Co., Inc., Sussex, N. J.
Filed Oct. 19, 1949, Serial No. 586,539. Published Mar. 11, 1952. Class 22.

559,780. Archery Equipment—Namely, Bows, Arrows and Quivers, Etc. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,741. Published Mar. 4, 1952. Class 22.

559,781. Venetian Blinds, Book Ends, Cabinets, Furniture Cushions, Cedar Chests, Etc. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,742. Published Mar. 4, 1952. Class 32.

559,782. Plastering Cement. Permanente Cement Company, Oakland, Calif.
Filed Sept. 16, 1949, Serial No. 587,592. Published Mar. 11, 1952. Class 12.

559,783. Fictional and Nonfictional Books. Book-of-the-Month Club, Inc., New York, N. Y.
Filed Nov. 23, 1949, Serial No. 588,199. Published Mar. 18, 1952. Class 38.

559,784. Women's, Misses', and Girls' Shoes Consisting of Feminine, Dress, Casual and Novelty Shoes, Made in Leather Shoe Factories. Tico Shoe Corporation, New York, N. Y.
Filed Nov. 30, 1949, Serial No. 588,606. Published Apr. 4, 1950. Class 39.

559,785. Fishing Line. Western Lace and Line Company, also doing business as Western Fishing Line Co., Glendale, Calif.
Filed Dec. 29, 1949, Serial No. 588,720. Published Mar. 4, 1952. Class 22.

559,786. Live Baby Chicks. Gholson's Hatchery, McLeansboro, Ill.
Filed Dec. 9, 1949, Serial No. 589,083. Published Mar. 27, 1951. Class 1.

559,787. Double Barrel Shotguns, Single Barrel Shotguns, and Repeating Shotguns. Ithaca Gun Company, Inc., Ithaca, N. Y.
Filed Jan. 5, 1950, Serial No. 589,999. Published Mar. 4, 1952. Class 9.

559,788. Magnetic Sound Recording Tape. Audio Devices, Inc., New York, N. Y.
Filed Jan. 11, 1950, Serial No. 590,641. Published Mar. 11, 1952. Class 21.

559,789. Perfumes. Irene F. Craft, Ridgewood, N. J.
Filed Jan. 11, 1950, Serial No. 590,651. Published Mar. 11, 1952. Class 51.

559,790. Partially Printed Income and Tax Record Forms. Rite-Way Publishing Co., Inc., Alexandria, La.
Filed Jan. 11, 1950, Serial No. 590,702. Published Feb. 26, 1952. Class 37.

559,791. Ant and Roach Powder, Both With and Without DDT, Red Squill in Powder and Lump Form, Etc. Chase Products Co., Maywood, Ill.
Filed Jan. 13, 1950, Serial No. 590,806. Published Mar. 18, 1952. Class 6.

559,792. Miniature Hollywood-Style Toy Bed. Samuel Brateman, Houston, Tex.
Filed Jan. 17, 1950, Serial No. 590,972. Published Mar. 18, 1952. Class 22.

559,793. Motor Busses, Not Including Engines. Fitzjohn Coach Co., Muskegon, Mich.
Filed Jan. 26, 1950, Serial No. 591,473. Published Mar. 4, 1952. Class 19.

559,794. Popcorn in Its Natural State. Western Popcorn Company, Atlantic, Iowa.
Filed Jan. 30, 1950, Serial No. 591,705. Published Mar. 18, 1952. Class 46.

559,795. Dentifrices. Anna K. Butler, doing business under the name Amo-Gene, Chicago, Ill.
Filed Feb. 9, 1950, Serial No. 592,190. Published Mar. 11, 1952. Class 51.

559,796. Apparatus for Continuously Receiving, Weighing, and Discharging Granular Materials and the Like and for Recording and Totalizing the Weight Thereof. Sintering Machinery Corporation, Netcong, N. J.
Filed Feb. 11, 1950, Serial No. 592,342. Published Feb. 12, 1952. Class 26.

559,797. Hair Colour. La Maur, Inc., Minneapolis, Minn.
Filed Feb. 18, 1950, Serial No. 592,709. Published Feb. 12, 1952. Class 51.

559,798. Plywood, Veneer, and Lumber. United States Plywood Corporation, New York, N. Y.
Filed Feb. 24, 1950, Serial No. 593,026. Published Mar. 4, 1952. Class 12.

559,799. Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 18, 1950, Serial No. 594,212. Published Feb. 12, 1952. Class 18.

559,800. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 23, 1950, Serial No. 594,448. Published Jan. 22, 1952. Class 52.

559,801. Steel Hardening Compounds. Doughty Research and Development Corporation, New York, N. Y., assignor to The Miracaloy Corporation, New York, N. Y., a corporation of New York.
Filed Mar. 24, 1950, Serial No. 594,528. Published Mar. 18, 1952. Class 6.

559,802. Curtain and Upholstery Fabrics of Cotton, Wool, Silk, and Synthetic Fibers, and of Plastic Yarn. Knoll Associates, Inc., New York, N. Y.
Filed Apr. 1, 1950, Serial No. 595,077. Published Mar. 18, 1952. Class 42.

559,803. Mattresses and Box Springs. The Englander Company, Inc., Chicago, Ill.
Filed Apr. 18, 1950, Serial No. 595,886. Published Mar. 4, 1952. Class 32.

559,804. Embroidery Machines and Parts Thereof. Madeira Embroidery Co., West New York, N. J.
Filed Apr. 20, 1950, Serial No. 596,037. Published Feb. 19, 1952. Class 23.

559,805. Vacuum Electronic Apparatus—Namely, Vacuum Tubes, Vacuum Condensers, Vacuum Induction Heating Units, and Vacuum Transformers. Jennings Radio Mfg. Co., San Jose, Calif.
Filed Apr. 29, 1950, Serial No. 596,574. Published Mar. 4, 1952. Class 21.

559,806. Liquid Hydrocarbon Diesel Fuels. The Robert T. Pollock Corporation, New York, N. Y.
Filed May 2, 1950, Serial No. 596,750. Published Jan. 22, 1952. Class 15.

559,807. Automatic Packaging Machines—Namely, Machines for Forming, Filling, and Closing Merchandise Containers. Shellmar Products Corporation, Chicago, Ill.
Filed May 2, 1950, Serial No. 596,758. Published Mar. 4, 1952. Class 23.

559,808. Accessories for Dolls—Namely, Doll Carriage Cover Sets, Mattresses, Trimmed Beds, Bassinettes, Doll Carriage Clips. Sid. Gottheimer, Inc., New York, N. Y.
Filed May 5, 1950, Serial No. 596,912. Published Mar. 4, 1952. Class 22.

559,809. Printed Labels. Paramount Paper Products Co., Omaha, Nebr.
Filed May 10, 1950, Serial No. 597,224. Published Mar. 18, 1952. Class 38.

559,810. Squeegee for Washing Windows. Pratt R. Loveland, doing business as Loveland Engrg. & Mfg. Co., Chicago, Ill.
Filed May 13, 1950, Serial No. 597,404. Published Mar. 4, 1952. Class 29.

559,811. Autocollimeters, Interferometers, Microscopes, Telescopes, Binoculars, Profile Projectors, Optical Surface Meters (Optical Flats), and Lenses and Prisms for Different Optical Instruments. Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden.
Filed May 13, 1950, Serial No. 597,417. Published Feb. 12, 1952. Class 26.

559,812. Expanded Vermiculite To Be Used as an Aggregate in Plaster and Cement and as a Loose Filled Insulation. American Vermiculite Corporation, New York, N. Y.
Filed May 17, 1950, Serial No. 597,572. Published Feb. 19, 1952. Class 12.

559,813. Baby Carriages and Strollers, and Combination Baby Stroller-Walkers. Brodsky Bros., Providence, R. I.
Filed May 19, 1950, Serial No. 597,734. Published Mar. 11, 1952. Class 19.

559,814. Passenger Automobiles and Structural Parts Therefor. Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis.
Filed May 22, 1950, Serial No. 597,896. Published Feb. 19, 1952. Class 19.

559,815. Gas Meters. Begwaco Meters Limited, Farnworth, near Bolton, England.
Filed May 24, 1950, Serial No. 597,997. Published Jan. 8, 1952. Class 26.

559,816. Leather Goods—Namely, Billfolds, Wallets, Brief Cases, Handbags, Suitcases, Valises, and Saddles. Greatrex Ltd., New York, N. Y.
Filed May 31, 1950, Serial No. 598,359. Published Mar. 25, 1952. Class 3.

559,817. Iron and Steel Wire for Use in Overhead Electric Transmission Lines. Indiana Steel & Wire Company, Muncie, Ind.
Filed June 9, 1950, Serial No. 598,853. Published Mar. 11, 1952. Class 21.

559,818. Oil and Gas Well Equipment—Namely, Drilling Rigs, Vacuum-Actuated Mud Mixers for Mixing Mud for Rotary Drilling, Rotary Pumps, Rotary Drilling Auxiliary Units Each Comprised of Pump, Engine, and Complete V-Belt Drive Mounted on a Steel Base, Steel Protective Safety Guards for Moving Machine Parts, and Air-Gas Starting Units for Internal Combustion Engines. Mid-Continent Supply Co., Fort Worth, Tex.
Filed June 9, 1950, Serial No. 598,861. Published Feb. 5, 1952. Class 23.

559,819. Equipment and Fixtures for Stores—Namely, Show Cases, Display Counters, Tables, and Racks. Louis Weintraub, doing business under the name of Miller and Weintraub, New York, N. Y.
Filed June 10, 1950, Serial No. 598,939. Published Mar. 18, 1952. Class 32.

559,820. Device Consisting of a Tube, Nozzle, and Brush Used for the Purpose of Applying a Weed Destroying Preparation. Alston Manufacturing Company, Oakland, Calif.
Filed June 12, 1950, Serial No. 598,940. Published Mar. 4, 1952. Class 29.

559,821. Starch Coated Book Paper. Atlantic Paper Company, Philadelphia, Pa.
Filed June 14, 1950, Serial No. 599,073. Published Mar. 4, 1952. Class 37.

559,822. Tall Oil. West Virginia Pulp and Paper Company, New York, N. Y.
Filed June 14, 1950, Serial No. 599,136. Published Mar. 11, 1952. Class 1.

559,823. Electric Blasting Caps. Olin Industries, Inc., East Alton, Ill.
Filed June 26, 1950, Serial No. 599,774. Published Mar. 11, 1952. Class 9.

559,824. Electric Lamps. William Boyd, Beverly Hills, Calif.
Filed June 27, 1950, Serial No. 599,812. Published Mar. 4, 1952. Class 21.

559,825. Mattresses and Box Springs. Burton-Dixie Corporation, Chicago, Ill.
Filed June 30, 1950, Serial No. 600,020. Published Mar. 11, 1952. Class 32.

559,826. Desk Trays. The Globe-Wernicke Co., Norwood, Ohio.
Filed June 30, 1950, Serial No. 600,044. Published Mar. 18, 1952. Class 32.

559,827. Tablet for Treatment of Heart Disease. Chemico Laboratories, Inc., Indianapolis, Ind.
Filed July 14, 1950, Serial No. 600,647. Published Mar. 18, 1952. Class 18.

559,828. Metal Portable Paper Towel Holders. General Paper Co., Inc., Coatesville, Pa., assignor to West Disinfecting Company, New York, N. Y., a corporation of New York.
Filed July 15, 1950, Serial No. 600,721. Published Mar. 18, 1952. Class 2.

559,829. Wooden Products Comprising Jewel Boxes, Serving Trays, Flower Pots, Boxes for Holding Matches, Vases, Pitchers, Compacts, Powder Boxes, Hors d'Oeuvre Trays, Bowls, Nut Dishes, Tooth Pick Holders, Perfume Flasks, Card Boxes, Salt and Pepper Sets, and Salad Bowls. Rex Redwood Shop, Eureka, Calif.
Filed July 18, 1950, Serial No. 600,850. Published Mar. 18, 1952. Class 2.

559,830. Gasketing Compound. Van Cleef Bros., Inc., Chicago, Ill.
Filed July 20, 1950, Serial No. 601,000. Published Mar. 4, 1952. Class 12.

559,831. Table Bases Having Self-Leveling Supports. L & B Products Corporation, New York, N. Y.
Filed July 26, 1950, Serial No. 601,265. Published Mar. 4, 1952. Class 32.

559,832. Furniture Made of Wood or Metal—Namely, Cabinets, Shelves, Closets, Wardrobes, Chests, and Chests of Drawers. Stern & Co., Philadelphia, Pa.
Filed July 27, 1950, Serial No. 601,341. Published Mar. 4, 1952. Class 32.

559,833. Dry Colors and Pigments in the Dry State and as a Paste Ground Into Vehicles for Use in Printing Inks. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y.
Filed July 29, 1950, Serial No. 601,403. Published Mar. 18, 1952. Class 11.

559,834. Dry Colors and Pigments in the Dry State and as a Paste Ground Into Vehicles for Use in Printing Inks. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y.
Filed July 29, 1950, Serial No. 601,405. Published Mar. 18, 1952. Class 11.

559,835. Dry Colors and Pigments for Printing Inks in the Dry State and as a Paste Ground Into Vehicles. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y.
Filed July 29, 1950, Serial No. 601,409. Published Mar. 18, 1952. Class 11.

559,836. Dry Colors and Pigments in the Dry State and as a Paste Ground Into Vehicles for Use in Printing Inks. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y.
Filed July 29, 1950, Serial No. 601,416. Published Mar. 18, 1952. Class 11.

559,837. Skin Creams, Skin Lotions, and Personal Deodorants, Scalp Conditioners and Hair Conditioners, Especially for Use of Expectant Mothers. Maternity Cosmetics, Inc., Rochester, N. Y.
Filed Aug. 5, 1950, Serial No. 601,805. Published Mar. 11, 1952. Class 51.

559,838. Periodicals. The International Association of Lions Clubs, Chicago, Ill.
Filed Aug. 10, 1950, Serial No. 602,031. Published Mar. 18, 1952. Class 38.

559,839. Electrical Circuit Control Elements—Namely, Resistors. Ohmite Manufacturing Company, Chicago, Ill.
Filed Aug. 16, 1950, Serial No. 602,284. Published Feb. 5, 1952. Class 21.

559,840. Plywood Made From Southern Hardwood or Yellow Pine Used Principally for Sheathing and Unexposed Surfaces. Georgia-Pacific Plywood & Lumber Co., Augusta, Ga.
Filed Aug. 18, 1950, Serial No. 602,394. Published Mar. 11, 1952. Class 12.

559,841. Seeds—Namely, Vegetable, Flower, and Grass Seeds. Ferry-Morse Seed Co., Detroit, Mich.
Filed Aug. 24, 1950, Serial No. 602,680. Published Mar. 18, 1952. Class 1.

559,842. Powerful Germicidal Sanitizer, Designed for the Purpose of Sanitizing Eating and Drinking Utensils in Restaurants, Etc. Robert E. Click, doing business under the assumed name and style of Restaurant Specialty Company, Portland, Oreg.
Filed Aug. 18, 1950, Serial No. 602,728. Published Mar. 18, 1952. Class 6.

559,843. Canned Fruits, Canned Fruit Juices, and Canned Vegetables. Tri-Valley Packing Association, San Francisco, Calif.
Filed Sept. 5, 1950, Serial No. 603,170. Published Mar. 18, 1952. Class 46.

559,844. Heavy Bodied Milkshakes. Dairy Queen of Florida, Palm Beach, Fla.
Filed Sept. 12, 1950, Serial No. 603,440. Published Aug. 7, 1951. Class 46.

559,845. Wrapping Paper and Butchers' Paper. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Sept. 18, 1950, Serial No. 603,681. Published Mar. 4, 1952. Class 37.

559,846. Lariats. George L. Soreghen, doing business as Diamond Whip Company, Chicago, Ill.
Filed Sept. 22, 1950, Serial No. 603,899. Published Mar. 25, 1952. Class 3.

559,847. Baby Walkers. The Murray Ohio Manufacturing Company, Cleveland, Ohio.
Filed Sept. 26, 1950, Serial No. 604,019. Published Feb. 5, 1952. Class 22.

559,848. Frozen Fresh Fruits, Berries, Vegetables, Fish and Poultry, Frozen Fresh Orange Juice and Lemon Juice for Food Purposes, and Canned Vegetables. Pictsweet Foods, Inc., Mount Vernon, Wash.
Filed Sept. 29, 1950, Serial No. 604,219. Published Mar. 18, 1952. Class 46.

559,849. Cold Cream and Hand Cream. Potter Drug & Chemical Corporation, Malden, Mass.
Filed Oct. 6, 1950, Serial No. 604,544. Published Feb. 12, 1952. Class 51.

559,850. Washable Covers Adapted for Use With Either Brooms or Mops. Vine Associates, Beverly, N. J.
Filed Oct. 12, 1950, Serial No. 604,828. Published Mar. 4, 1952. Class 29.

559,851. Switches of the Liquid Flow Type, Particularly Mercury Switches. General Electric Company, Schenectady, N. Y.
Filed Oct. 17, 1950, Serial No. 605,025. Published May 29, 1951. Class 21.

559,852. Discontinuous Fibres of Rayon. Syndicat Français des Textiles Artificiels, Paris, France.
Priority under Sec. 44(d). French Registration No. 403,548, filed June 6, 1950.
Filed Oct. 17, 1950, Serial No. 605,068. Published Mar. 11, 1952. Class 1.

559,853. Discontinuous Fibres of Rayon. Syndicat Français des Textiles Artificiels, Paris, France.
Priority under Sec. 44(d). French Registration No. 403,549, filed June 6, 1950.
Filed Oct. 17, 1950, Serial No. 605,072. Published Mar. 11, 1952. Class 1.

559,854. Antifriction Bearings and Parts Thereof. General Motors Corporation, Detroit, Mich.
Filed Oct. 19, 1950, Serial No. 605,156. Published Mar. 11, 1952. Class 23.

559,855. Comic Drawings Published in Daily and Sunday Newspapers. NEA Service, Inc., Cleveland, Ohio.
Filed Nov. 2, 1950, Serial No. 605,806. Published Mar. 18, 1952. Class 38.

559,856. Perfumes. Vigny, Inc., New York, N. Y.
Filed Nov. 2, 1950, Serial No. 605,818. Published Feb. 19, 1952. Class 51.

559,857. Coated Abrasives. Behr-Manning Corporation, Troy, N. Y.
Filed Nov. 3, 1950, Serial No. 605,840. Published Mar. 18, 1952. Class 4.

559,858. Leather in the Piece for Shoe Uppers. Eagle-Flagg Tanning Corporation, New York, N. Y.
Filed Nov. 7, 1950, Serial No. 606,006. Published Mar. 11, 1952. Class 1.

559,859. Textile Ribbons of Cotton and Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Nov. 9, 1950, Serial No. 606,135. Published Mar. 18, 1952. Class 42.

559,860. Helicopters. United Helicopters, Inc., Palo Alto, Calif.; now by change of name Hiller Helicopters, San Mateo County, Calif.
Filed Nov. 10, 1950, Serial No. 606,247. Published Feb. 26, 1952. Class 19.

559,861. Fresh Grapes. Joseph La Rosa & Sons, Modesto, Calif.
Filed Nov. 14, 1950, Serial No. 606,384. Published Feb. 12, 1952. Class 46.

559,862. Cheese. Northfield Cheese Corporation, New York, N. Y.
Filed Nov. 16, 1950, Serial No. 606,480. Published Feb. 12, 1952. Class 46.

559,863. Cookies and Crackers. United Biscuit Company of America, Chicago, Ill.
Filed Nov. 20, 1950, Serial No. 606,686. Published Feb. 12, 1952. Class 46.

559,864. Woolen Fabrics Sold by the Bolt. Oregon Worsted Company, Portland, Oreg.
Filed Nov. 28, 1950, Serial No. 607,040. Published Mar. 18, 1952. Class 42.

559,865. Wetting Agent. L. Sonneborn Sons, Inc., New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,052. Published Mar. 18, 1952. Class 6.

559,866. Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lipsticks. Vigny, Inc., New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,060. Published Feb. 19, 1952. Class 51.

559,867. Soap and Shampoo. Lehn & Fink Products Corporation, Bloomfield, N. J.
Filed Dec. 4, 1950, Serial No. 607,257. Published Mar. 18, 1952. Class 52.

559,868. Perfume. Nicholas D'Amico, doing business as Suzanne Laboratories, Paterson, N. J.
Filed Dec. 6, 1950, Serial No. 607,317. Published Feb. 19, 1952. Class 51.

559,869. Bull Staffs, Sling Carriers, Pulleys, and Crank Operating Mechanisms for Opening and Closing Stanchions of Stalls and Stock Pens. Starline, Inc., Harvard, Ill.
Filed Dec. 13, 1950, Serial No. 607,646. Published Mar. 4, 1952. Class 23.

559,870. Anti-Corrosive or Corrosion Inhibitor. Sterling Industries, Inc., Dallas, Tex.
Filed Dec. 16, 1950, Serial No. 607,779. Published Mar. 18, 1952. Class 6.

559,871. Accumulators. Societe des Accumulateurs Elbric S. A., Lausanne, Switzerland.
Filed Dec. 21, 1950, Serial No. 607,969. Published Mar. 4, 1952. Class 21.

559,872. Ladies' Handbags. Butler's, Inc., Atlanta, Ga.
Filed Dec. 26, 1950, Serial No. 608,055. Published Mar. 25, 1952. Class 3.

559,873. Electrical Insulation—Namely, Tubing and Sleeving of Varnished Cotton, Varnished Glass, Vinyl Coated Glass, Saturated Cotton, Saturated Glass, and Silicone Treated Glass. Insulation and Wires Incorporated, St. Louis, Mo.
Filed Dec. 28, 1950, Serial No. 608,164. Published Feb. 19, 1952. Class 21.

559,874. Solutions Used To Import Permanent Waves to the Hair. Rilling Company, New York, N. Y., now by change of name The Rilling-Dermetics Company.
Filed Dec. 29, 1950, Serial No. 608,223. Published Oct. 9, 1951. Class 51.

559,875. Household Furniture—Namely, Living Room Furniture, Stuffed and Otherwise, Etc. Spiegel, Inc., Chicago, Ill.
Filed Dec. 30, 1950, Serial No. 608,258. Published Mar. 18, 1952. Class 32.

559,876. Parting Compounds for Use in Casting Metals. Whitehead Brothers Company, New York, N. Y.
Filed Dec. 30, 1950, Serial No. 608,261. Published Mar. 11, 1952. Class 1.

559,877. Carpenter's Squares. Sargent & Company, New Haven, Conn.
Filed Jan. 9, 1951, Serial No. 608,571. Published Feb. 12, 1952. Class 26.

559,878. Vehicle Service Station and Garage Equipment—Namely, Air Compressors, Non-Self-Measuring Pumps, and Mechanical Car Washers. Supreme Equipment Corporation, Cleveland, Ohio.
Filed Jan. 10, 1951, Serial No. 608,635. Published Feb. 26, 1952. Class 23.

559,879. Infants' and Children's Chairs. Fixtures Manufacturing Corp., Kansas City, Mo.
Filed Jan. 15, 1951, Serial No. 608,791. Published Mar. 11, 1952. Class 32.

559,880. Cigarette Lighters. Evans Case Co., North Attleboro, Mass.
Filed Jan. 18, 1951, Serial No. 608,929. Published Mar. 11, 1952. Class 8.

559,881. Horizontal and Vertical Television Deflection Yokes. Alpha Electronics, Inc., Little Ferry, N. J.
Filed Feb. 1, 1951, Serial No. 609,468. Published Feb. 19, 1952. Class 21.

559,882. Automobile Heaters and Parts and Accessories Therefor, and More Particularly Heaters Heated by the Engine-Cooling Medium. Burd Piston Ring Company, Rockford, Ill.
Filed Feb. 9, 1951, Serial No. 609,845. Published Mar. 4, 1952. Class 19.

559,883. Electric Garbage Disposal Units for Kitchen Sinks. Wade Manufacturing Co., Elgin, Ill.
Filed Feb. 15, 1951, Serial No. 610,152. Published Feb. 19, 1952. Class 21.

559,884. Electrical Capacitors. Aerovox Corporation, New Bedford, Mass.
Filed Feb. 20, 1951, Serial No. 610,304. Published Mar. 4, 1952. Class 21.

559,885. Carbon Black Used in the Manufacture of Inks. Witco Chemical Company, Chicago, Ill.
Filed Feb. 27, 1951, Serial No. 610,598. Published Mar. 4, 1952. Class 11.

559,886. Perfumes. Michel Cosmetics, Inc., Long Island City, N. Y.
Filed Mar. 1, 1951, Serial No. 610,709. Published Feb. 12, 1952. Class 51.

559,887. Canned Fruits and Canned Fruit Juices. Thornton Canning Company, Thornton, Calif.
Filed Mar. 5, 1951, Serial No. 610,875. Published Oct. 30, 1951. Class 46.

559,888. Pancake Flour, Maple Sirup, Honey, Canned Blueberries, Mincemeat, Canned Brown Bread, and Canned Baked Beans. James Shea, doing business as Adirondack Mountain Products Co., Lake Placid, N. Y.
Filed Mar. 6, 1951, Serial No. 610,926. Published Mar. 18, 1952. Class 46.

559,889. Miniature Dressed Dolls. A & H Doll Manufacturing Corp., Woodside, N. Y.
Filed Mar. 7, 1951, Serial No. 610,943. Published Jan. 8, 1952. Class 22.

559,890. Bicycles. Aldens, Inc., Chicago, Ill.
Filed Mar. 8, 1951, Serial No. 611,007. Published Oct. 30, 1951. Class 19.

559,891. Tablecloths and Napkins. Murray Hill Restaurant, Inc., New York, N. Y.
Filed Mar. 12, 1951, Serial No. 611,189. Published Mar. 18, 1952. Class 42.

559,892. Preparation for the Treatment of Cardiac Arrhythmias. E. R. Squibb & Sons, New York, N. Y.
Filed Mar. 13, 1951, Serial No. 611,249. Published Jan. 22, 1952. Class 18.

559,893. Dielectric Heating Units Comprising an Industrial Oven and an Electric Current Converter for Supplying High Frequency Current to the Oven, Parts Thereof. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed Mar. 16, 1951, Serial No. 611,381. Published Feb. 5, 1952. Class 21.

559,894. Miniature Dressed Dolls. A & H Doll Manufacturing Corp., Woodside, N. Y.
Filed Mar. 23, 1951, Serial No. 611,674. Published Jan. 8, 1952. Class 22.

559,895. Plaster of Calcined Gypsum for the Making of Molded and Formed Objects and Structures in the Construction, Building, and Industrial Arts. Certain-teed Products Corporation, Ardmore, Pa.
Filed Mar. 26, 1951, Serial No. 611,758. Published Feb. 12, 1952. Class 12.

559,896. Personal Deodorant. Cheramy, Inc., New York, N. Y.
Filed Mar. 30, 1951, Serial No. 612,003. Published Feb. 12, 1952. Class 51.

559,897. Wire Rope Lubricant. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, now by merger United States Steel Company, a corporation of New Jersey.
Filed Apr. 2, 1951, Serial No. 612,111. Published Jan. 22, 1952. Class 15.

559,898. Shock Absorbers for Automotive Vehicles, and Parts Thereof. Houdaille-Hershey Corporation, Detroit, Mich.
Filed Apr. 3, 1951, Serial No. 612,167. Published July 31, 1951. Class 19.

559,899. Traveling and Utility Cases, Which Are Sold Empty. Double Five Products, Inc., Washington, D. C.
Filed Apr. 6, 1951, Serial No. 612,313. Published Mar. 25, 1952. Class 3.

559,900. Pharmaceutical Preparation for Use To Restore Normal Fat Metabolism, Etc. The Panray Corp., New York, N. Y.
Filed Apr. 10, 1951, Serial No. 612,470. Published Jan. 22, 1952. Class 18.

559,901. Milled Rice and Dressings and Sauces for Use on Rice. Edmundson-Duhe Rice Mill Co., Inc., Rayne, La.
Filed Apr. 12, 1951, Serial No. 612,533. Published Mar. 18, 1952. Class 46.

559,902. Bags for Carrying Clothing by Hand. Protex Products Company, Inc., New York, N. Y.
Filed Apr. 13, 1951, Serial No. 612,624. Published Mar. 25, 1952. Class 3.

559,903. Electrically Operated Vegetable Slicing Machines. Maynard P. Hanson, doing business as M. Parnell Hanson Company, Minneapolis, Minn.
Filed Apr. 16, 1951, Serial No. 612,689. Published Feb. 12, 1952. Class 21.

559,904. Small Capacity Controlled Volume Measuring Pump for Feeding Chemicals and the Like to Reaction Mixtures and to Processing Equipment. Milton Roy Company, Philadelphia, Pa.
Filed Apri. 18, 1951, Serial No. 612,828. Published Feb. 12, 1952. Class 26.

559,905. Wheeled Trailers Used To Support Farm Tools and Farm Equipment During the Transportation Thereof. Clarence D. Archer, trading and doing business under the name of Archer Welding Works, Knights Landing, Calif.
Filed Apr. 20, 1951, Serial No. 612,888. Published Feb. 19, 1952. Class 19.

559,906. Cotton Flannels for Garments and Diapers. J. P. Stevens & Co., Inc., New York, N. Y.
Filed Apr. 24, 1951, Serial No. 613,090. Published Mar. 18, 1952. Class 42.

559,907. Pocketbooks and Billfolds, St. Thomas Inc., Gloversville, N. Y.
Filed Apr. 25, 1951, Serial No. 613,145. Published Mar. 25, 1952. Class 3.

559,908. Ladies' Hand Bags of Straw and Leather Suede, and Straw and Cloth Construction. Samuel F. Stewart, Miami, Fla.
Filed Apr. 26, 1951, Serial No. 613,198. Published Mar. 25, 1952. Class 3.

559,909. Coffee and Chicory Compound. Interstate Coffee Company, Augusta, Ga.
Filed Apr. 30, 1951, Serial No. 613,332. Published Feb. 12, 1952. Class 46.

559,910. Checkroom or Wardrobe Equipment—Namely, Hat and Coat Racks. Vogel-Peterson Co., Chicago, Ill.
Filed May 1, 1951, Serial No. 613,387. Published Mar. 18, 1952. Class 32.

559,911. Medicinal Preparation for the Control of Hemorrhage. The Maltine Company, Morris Plains, N. J., now by change of name Chilcott Laboratories, Inc.
Filed May 11, 1951, Serial No. 613,779. Published Jan. 22, 1952. Class 18.

559,912. Anti-Rheumatic, Analgesic, and Anti-Pyretic Preparation. Geigy Company, Inc., New York, N. Y.
Filed May 12, 1951, Serial No. 613,812. Published Jan. 22, 1952. Class 18.

559,913. Anti-Rheumatic, Analgesic, and Anti-Pyretic Preparation. Geigy Company, Inc., New York, N. Y.
Filed May 12, 1951, Serial No. 613,813. Published Jan. 22, 1952. Class 18.

559,914. Electric Deep Fat Fryers. Rival Manufacturing Company, Kansas City, Mo.
Filed May 12, 1951, Serial No. 613,826. Published Feb. 26, 1952. Class 21.

559,915. Domestic Garbage Grinder To Aid in the Disposal of Household or Kitchen Garbage. Hal Weir McPherson, Chicago, Ill.
Filed May 14, 1951, Serial No. 613,851. Published Feb. 19, 1952. Class 23.

559,916. Carbon Black. J. M. Huber Corporation, Red Bank, N. J., and New York, N. Y.
Filed May 16, 1951, Serial No. 613,915. Published Mar. 18, 1952. Class 6.

559,917. Electrical Welding Apparatus and Parts Thereof. Ideal Industries, Inc., Sycamore, Ill.
Filed May 17, 1951, Serial No. 613,992. Published Mar. 4, 1952. Class 21.

559,918. Electronic Inter-Stage Audio Coupling Units for Television and Radio Receivers Comprised of Electrically Connected Capacitors and Resistors Bonded to a High Dielectric Ceramic Base Plate. Globe-Union Inc., Milwaukee, Wis.
Filed May 21, 1951, Serial No. 614,141. Published Feb. 5, 1952. Class 21.

559,919. Ammunition for Toy Cannon and Fire Arms. James H. Wily, doing business as The Conestoga Company, Bethlehem, Pa.
Filed May 21, 1951, Serial No. 614,183. Published Mar. 4, 1952. Class 9.

559,920. Plastic Tile. Plastile Products, Inc., Chicago, Ill.
Filed May 23, 1951, Serial No. 614,262. Published Mar. 11, 1952. Class 12.

559,921. Muscle Relaxant. Abbott Laboratories, North Chicago, Ill.
Filed May 24, 1951, Serial No. 614,279. Published Jan. 22, 1952. Class 18.

559,922. Androgenic Hormone Preparation. George A. Breon & Company, New York, N. Y.
Filed May 25, 1951, Serial No. 614,335. Published Jan. 22, 1952. Class 18.

559,923. Light Weight Aggregate for Concrete. Western Brick Company, Danville, Ill.
Filed May 25, 1951, Serial No. 614,375. Published Feb. 19, 1952. Class 12.

559,924. Tank With Treadle Mechanism Which Sprays a Solution on Feet and Ankles When Stepped on. Waverly Petroleum Products Company, Philadelphia, Pa.
Filed May 29, 1951, Serial No. 614,530. Published Mar. 4, 1952. Class 23.

559,925. Furniture, To Wit, Dining Room Furniture Consisting of Chairs, Etc. Craftique, Inc., Mebane, N. C.
Filed May 31, 1951, Serial No. 614,540. Published Mar. 11, 1952. Class 32.

559,926. Coated Paper. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed May 31, 1951, Serial No. 614,562. Published Mar. 4, 1952. Class 37.

559,927. Portland Cement. The Cement Marketing Company, Limited, London, England.
Filed June 4, 1951, Serial No. 614,687. Published Mar. 11, 1952. Class 12.

559,928. All-Purpose Lubricating Grease. Georgia-Carolina Oil Company, Macon, Ga.
Filed June 4, 1951, Serial No. 614,696. Published Jan. 22, 1952. Class 15.

559,929. Paper Napkins. Scott Paper Company, Chester, Pa.
Filed June 4, 1951, Serial No. 614,727. Published Mar. 11, 1952. Class 37.

559,930. Fuel Oil, Road Oil, Stove Oil, Diesel Oil, Motor Fuels, Kerosene, Lubricating Oil, and Greases Derived From Petroleum. Signal Oil Company, Los Angeles, Calif., assignor to Standard Oil Company of California, a corporation of Delaware, doing business as Signal Oil Company, Los Angeles, Calif.
Filed June 4, 1951, Serial No. 614,729. Published Jan. 22, 1952. Class 15.

559,931. Periodicals. Publisher's Development Corporation, Chicago, Ill.
Filed June 5, 1951, Serial No. 614,785. Published Mar. 18, 1952. Class 38.

559,932. Dolls Sold in Unit Combination With Printed Circulars Which Stress Interest in or the Nature of the Particular Doll Sold. A&H Doll Manufacturing Corp., Woodside, N. Y.
Filed June 6, 1951, Serial No. 614,802. Published Mar. 11, 1952. Class 22.

559,933. Laundry Washing Machines. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed June 7, 1951, Serial No. 614,897. Published Mar. 11, 1952. Class 24.

559,934. Mops and Mop Heads. W. A. Ballinger & Co., San Francisco, Calif.
Filed June 15, 1951, Serial No. 615,207. Published Mar. 4, 1952. Class 29.

559,935. Floor and Wall Tile. The Danbury Rubber Co., Inc., Danbury, Conn.
Filed June 19, 1951, Serial No. 615,372. Published Feb. 12, 1952. Class 12.

559,936. Medicinal Preparation Used as a General Constitutional Tonic. J. S. Wilson, doing business under the name of Wilson Herb Co., Detroit, Mich.
Filed June 19, 1951, Serial No. 615,426. Published Feb. 26, 1952. Class 18.

559,937. Office, Household, and Factory Chairs. Domore Chair Company, Inc., Elkhart, Ind.
Filed June 21, 1951, Serial No. 615,488. Published Mar. 11, 1952. Class 32.

559,938. Resilient Enamel Surface Floor Covering of the Nature of Linoleum. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa.
Filed June 22, 1951, Serial No. 615,579. Published Mar. 11, 1952. Class 20.

559,939. Correspondence Envelopes of Paper Having a Check Attached Thereto. Curtis 1000, Incorporated, St. Paul, Minn., and Hartford, Conn.
Filed June 25, 1951, Serial No. 615,632. Published Mar. 18, 1952. Class 37.

559,940. Surgical Bandages, Particularly Post-Operative Surgical Bandages for Use in the Rectum. Edmund F. Buryan, Scarsdale, N. Y.
Filed June 26, 1951, Serial No. 615,686. Published Mar. 18, 1952. Class 44.

559,941. Detonating Primers, Specifically Blasting Caps and Electric Blasting Caps. Hercules Powder Company, Wilmington, Del.
Filed June 27, 1951, Serial No. 615,775. Published Mar. 11, 1952. Class 9.

559,942. Garment Hanger-Bags for Traveling and Storage. Leeds Travelwear Corporation, New York, N. Y.
Filed July 6, 1951, Serial No. 616,177. Published Mar. 18, 1952. Class 3.

559,943. Chocolate Bars Containing Almonds. Aktiengesellschaft Chocolat Tobler, also trading as Chocolat Tobler, Limited, and Societe Anonyme Chocolat Tobler, Berne, Switzerland.
Filed July 9, 1951, Serial No. 616,218. Published Mar. 18, 1952. Class 46.

559,944. Coal. Tecumseh Coal Corporation, Chicago, Ill.
Filed July 9, 1951, Serial No. 616,255. Published Mar. 18, 1952. Class 1.

559,945. Wet-Strength, Synthetic Resin for Paper. Hercules Powder Company, Wilmington, Del.
Filed July 11, 1951, Serial No. 616,318. Published Mar. 18, 1952. Class 6.

559,946. Compositions for Treatment of Oil-Well Drilling Fluids. National Lead Company, Sayreville, N. J., and New York, N. Y.
Filed July 11, 1951, Serial No. 616,327. Published Mar. 18, 1952. Class 6.

559,947. Chemical Compositions for Addition to Electrolytic Plating Baths. Barnet Ostrow, doing business as Ronal Chemicals, Brooklyn, N. Y.
Filed July 12, 1951, Serial No. 616,384. Published Mar. 18, 1952. Class 6.

559,948. Polyester Film. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed July 13, 1951, Serial No. 616,417. Published Mar. 18, 1952. Class 1.

559,949. Section of a Newspaper. The Pulitzer Publishing Company, St. Louis, Mo.
Filed July 13, 1951, Serial No. 616,448. Published Mar. 18, 1952. Class 38.

559,950. Hard Surface Floor Covering of the Nature of Linoleum. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa.
Filed July 14, 1951, Serial No. 616,514. Published Mar. 11, 1952. Class 20.

559,951. Printed Religious Cards. The Borrowed Timers, San Diego, Calif.
Filed July 16, 1951, Serial No. 616,544. Published Mar. 18, 1952. Class 38.

559,952. Electric Lighting Fixtures. Macbeth Corporation, Newburgh, N. Y.
Filed July 16, 1951, Serial No. 616,562. Published Feb. 12, 1952. Class 21.

559,953. Fuse Plugs. Trico Fuse Mfg. Co., Milwaukee, Wis.
Filed July 17, 1951, Serial No. 616,612. Published Mar. 11, 1952. Class 21.

559,954. Candy. Hoben Candy Corp., Ashley, Ill.
Filed July 19, 1951, Serial No. 616,668. Published Feb. 19, 1952. Class 46.

559,955. Electric Resistor Tubes. The Standard Electric Time Company, Springfield, Mass.
Filed July 20, 1951, Serial No. 616,731. Published Feb. 12, 1952. Class 21.

559,956. Insecticide. Michigan Chemical Corporation, St. Louis, Mich.
Filed July 25, 1951, Serial No. 616,916. Published Mar. 18, 1952. Class 6.

559,957. Insecticide. Michigan Chemical Corporation, St. Louis, Mich.
Filed July 25, 1951, Serial No. 616,917. Published Mar. 18, 1952. Class 6.

559,958. Photographic Fixing Solution. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed July 26, 1951, Serial No. 616,951. Published Mar. 18, 1952. Class 6.

559,959. Anti-Freeze Solution. Automobile Dealers Associates, Inc., Chicago, Ill.
Filed July 27, 1951, Serial No. 617,008. Published Mar. 18, 1952. Class 6.

559,960. Wheat Flour, for Human Consumption. International Milling Company, Minneapolis, Minn.
Filed July 30, 1951, Serial No. 617,113. Published Mar. 18, 1952. Class 46.

559,961. Decalcomanias. The Meyercord Co., Chicago, Ill.
Filed July 31, 1951, Serial No. 617,154. Published Mar. 18, 1952. Class 38.

559,962. Spectacle Cases. Emanuel Nathan, Newark, N. J.
Filed July 31, 1951, Serial No. 617,158. Published Feb. 19, 1952. Class 26.

559,963. High Chair Pads and Mattresses. Rose-Derry Company, Newton, Mass.
Filed Aug. 1, 1951, Serial No. 617,212. Published Mar. 18, 1952. Class 32.

559,964. Dry Cells and Dry Cell Batteries. Ray-O-Vac Company, Madison, Wis.
Filed Aug. 13, 1951, Serial No. 617,628. Published Mar. 4, 1952. Class 21.

559,965. Mattresses. Ostermoor & Company, Inc., Bridgeport, Conn.
Filed Aug. 14, 1951, Serial No. 617,673. Published Mar. 18, 1952. Class 32.

559,966. Storage Batteries. Price Battery Corporation, Hamburg, Pa.
Filed Aug. 14, 1951, Serial No. 617,677. Published Mar. 18, 1952. Class 21.

559,967. Expanded Cellular Resin Plastic Materials for Use as Electrically Insulating Panels and Cores Therefor, as Encasing and Potting Agents for Electrical Apparatus, and Cores for Radome Enclosures and Antennas for Aircraft. Lockheed Aircraft Corporation, Burbank, Calif.
Filed Aug. 16, 1951, Serial No. 617,760. Published Mar. 18, 1952. Class 21.

559,968. Cotton Print Yard Goods. Donald Barry Productions, Inc., Los Angeles, Calif.
Filed Aug. 20, 1951, Serial No. 617,855. Published Mar. 18, 1952. Class 42.

559,969. Ladies' Handbags. Llewellyn, Inc., New York, N. Y.
Filed Aug. 27, 1951, Serial No. 618,118. Published Mar. 25, 1952. Class 3.

559,970. Frozen Confections in the Form of Bite Sized Bon Bons and Sweet Chocolate Coating Therefor. Joe Lowe Corporation, New York, N. Y.
Filed Aug. 31, 1951, Serial No. 618,300. Published Mar. 18, 1952. Class 46.

559,971. Automobile Brakes. Packard Motor Car Company, Detroit, Mich.
Filed Sept. 4, 1951, Serial No. 618,365. Published Mar. 18, 1952. Class 19.

559,972. Olives and Jellies. The South Shore Packing Corporation, Vermilion, Ohio.
Filed Sept. 7, 1951, Serial No. 618,516. Published Mar. 18, 1952. Class 46.

559,973. Calipers. Inter-Continental Trading Corporation, New York, N. Y.
Filed Sept. 12, 1951, Serial No. 618,704. Published Feb. 26, 1952. Class 26.

559,974. Gauge To Indicate the General Condition and Efficiency of an Internal Combustion Motor. Universal Chemists, Inc., sometimes doing business as Gale Hall Engineering, Boston, Mass.
Filed Sept. 17, 1951, Serial No. 618,900. Published Feb. 19, 1952. Class 26.

559,975. Mechanical Hose Reels, Comprising Stand, Casing, and Re-Wind Mechanism. The Wayne Pump Company, Fort Wayne, Ind.
Filed July 10, 1951, Serial No. 619,125. Published Feb. 5, 1952. Class 23.

559,976. Photographic Cameras, Parts of Photographic Cameras, and Accessories to Photographic Cameras—Namely, Photoflash-Guns and Camera Cases. Davega Stores Corporation, New York, N. Y.
Filed Oct. 1, 1951, Serial No. 619,458. Published Feb. 19, 1952. Class 26.

559,977. Cotton Piece Goods. Milton C. Blum, Inc., New York, N. Y.
Filed Oct. 12, 1951, Serial No. 619,917. Published Mar. 18, 1952. Class 42.

559,978. Laundry Ironer Pads. Pittsburgh Waterproof Company, Pittsburgh, Pa.
Filed Oct. 19, 1951, Serial No. 620,230. Published Mar. 11, 1952. Class 24.

Service Marks

559,979. Air Transportation of Passengers, Freight, and Mail. Western Air Lines, Inc., Los Angeles, Calif.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Jan. 20, 1950, Serial No. 525,469. Published Mar. 18, 1952. Class 105.

559,980. Treatment of Steel Tanks Against Corrosion by Sand Blasting and Applying a Protective Coating Thereto. Tnemec Company, Inc., North Kansas City, Mo.
Filed July 5, 1947, Serial No. 527,549. Published Mar. 18, 1952. Class 103.

559,981. Photographing Infants Before Reaching the Age of Six Months and Thereafter Photographing the Child When It Reaches the Age of One, Two, Three, Four, and Five Years. Rolland Laboratories, Inc., also doing business as Rolland Studios, Kansas City, Mo.
Filed Sept. 8, 1947, Serial No. 533,781. Published Mar. 18, 1952. Class 100.

559,982. Cleaning, Polishing, Sterilizing, and Immunizing From Disease of Telephones, Dictaphones, and Related Instruments. Hygienic Phone Service, Inc., New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,244. Published Mar. 18, 1952. Class 103.

559,983. Fur Storage Service. Willmann's Furriers, Oklahoma City, Okla.
Filed Mar. 26, 1948, Serial No. 553,157. Published Mar. 18, 1952. Class 105.

559,984. Dusting, De-Mothing, Cold Storage of Furs and Fur Garments. P. Schlampp & Son, Minneapolis, Minn.
Filed May 27, 1948, Serial No. 557,966. Published Mar. 18, 1952. Class 103.

559,985. Engineering and Consulting Services Rendered to Others on a Contract Basis—Namely, Conducting Surveys, Design Studies, and Research Related to Electronics, Servomechanisms, and Computers. Servo Corporation of America, New Hyde Park, N. Y.
Filed Dec. 10, 1948, Serial No. 570,322. Published Mar. 18, 1952. Class 100.

559,986. Transporting Packing-House Products by Refrigerated Motor Van. Mohawk Motor Lines, Inc., Nashville, Tenn.
Filed Aug. 8, 1949, Serial No. 583,160. Published Mar. 18, 1952. Class 105.

559,987. Consultation and Advisory Services Pertaining to Engineering and Economic Problems in the Field of Commercial Chemistry. Robert S. Aries, doing business under the style of R. S. Aries and Associates, New York, N. Y.
Filed Oct. 4, 1949, Serial No. 585,739. Published Mar. 18, 1952. Class 100.

559,988. Technical Advice and Information Prepared and Disseminated by Applicant to Its Licensees Relative to the Construction of Buildings—Namely, Design, Architectural, Finance, and Statistical. Mobilhome Corporation of America, Bakersfield, Calif.
Filed Oct. 13, 1949, Serial No. 586,249. Published Mar. 18, 1952. Class 100.

559,989. Dissemination of Information and Publicity to Its Members and to the Public Concerning the Design, Construction, Operation, and Management of Water Works and the Use and Conservation of Water. American Water Works Association, Inc., New York, N. Y.
Filed Dec. 6, 1949, Serial No. 588,849. Published Mar. 18, 1952. Class 100.

559,990. Service, Maintenance, and Repair of Motor Vehicles and Internal Combustion Engines, Parts Thereof and Accessories Therefor, and for the Installation of Repair Parts for Said Motor Vehicles and Internal Combustion Engines, Parts Thereof and Accessories Therefor. American Bosch Corporation, Springfield, Mass.
Filed Apr. 21, 1950, Serial No. 596,063. Published Mar. 18, 1952. Class 103.

559,991. Travel Service—Namely, Arranging and Personally Conducting Tours, Making Arrangements for Hotel Accommodations and Transportation. Luella R. Jones, doing business as Briarhurst Travel Service, Dallas, Tex.
Filed May 29, 1950, Serial No. 598,304. Published Mar. 18, 1952. Class 105.

559,992. Research Services — Namely, Obtaining and Analyzing Marketing and Sales Information, Etc. Williams Advertising Agency, Inc., New York, N. Y.
Filed June 29, 1950, Serial No. 600,005. Published Mar. 18, 1952. Class 101.

559,993. General Real-Estate Brokerage. Gallery of Homes, Inc., Rochester, N. Y.
Filed Aug. 17, 1950, Serial No. 602,316. Published Mar. 18, 1952. Class 102.

559,994. Grinding Lenses for Eye Glasses to the Individual Prescriptions Furnished by Eye Physicians. The House of Vision—Belgard-Spero, Inc., Chicago, Ill.
Filed Aug. 11, 1950, Serial No. 602,532. Published Mar. 18, 1952. Class 106.

559,995. Air Transportation of Passengers and Freight. Compagnie Nationale Air France, Paris, France, and New York, N. Y.
Filed Nov. 1, 1950, Serial No. 605,724. Published Mar. 18, 1952. Class 105.

559,996. Travel Services—Namely, Conducting Planned Excursions. John B. Sousa, doing business as Travel Center, Los Angeles, Calif.
Filed Nov. 13, 1950, Serial No. 606,338. Published Mar. 18, 1952. Class 105.

559,997. Leasing of Concrete Building Forms. Baker-Roos, Inc., Indianapolis, Ind.
Filed Nov. 27, 1950, Serial No. 606,964. Published Mar. 18, 1952. Class 103.

559,998. Dyeing of All Types of Textiles. Peerless Finishing Corp., Paterson, N. J.
Filed Jan. 5, 1951, Serial No. 608,433. Published Mar. 18, 1952. Class 106.

559,999. Telephone Answering Service and Mail Address Service. The Bell Answering System, Washington, D. C.
Filed May 8, 1951, Serial No. 613,627. Published Mar. 18, 1952. Class 101.

560,000. Fabric Repair Services Accomplished by Inserting a Piece of Fabric in a Larger Piece of Fabric and Weaving the Threads of One Into the Other To Hold Said Smaller Piece in Place Therein. National Multiweaving Company, Washington, D. C.
Filed July 9, 1951, Serial No. 616,237. Published Mar. 18, 1952. Class 103.

Certification Mark

560,001. Services Performed for Motorists in Automobile Service Stations—Namely, Changing Tires, Repairing Tires, Lubricating Automobiles and Parts Thereof, Recharging Batteries, and Engine Analysis and Tune-up. Ashland Oil & Refining Company, Ashland, Ky.
Filed June 8, 1949, Serial No. 580,115. Published Dec. 4, 1951. Class 103.

Collective Mark

560,002. Eggs in the Shell, Slaughtered Poultry, Feeds Containing Major Amounts of Grains and Proteins for Poultry and Livestock and Ground Oyster Shells and Limestone for Poultry. Idaho Egg Producers, Caldwell, Idaho.
Filed Sept. 24, 1948, Serial No. 565,783. Published Mar. 18, 1952. Class 46.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

560,003. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Bendix Aviation Corporation, South Bend, Ind. Original filed, act of 1946, Principal Register, July 5, 1947; amended to application, Supplemental Register, Apr. 26, 1950, Serial No. 527,125.

SPEED-DENSITY

For Carburetors and Other Fuel Injectors for Internal Combustion Engines.
Claims use since September 1944.

560,004. (Class 46. Foods and Ingredients of Foods.) Matthew L. Devine, doing business as Ida-Ho-Chip Co., Twin Falls, Idaho. Original filed, act of 1946, Principal Register, Oct. 23, 1948; amended to application, Supplemental Register, May 19, 1951, Serial No. 567,506.



For Potato Chips.
Claims use since Sept. 17, 1948.

560,005. (Class 22. Games, Toys, and Sporting Goods.) The Paul Bunyan Bait Company, Minneapolis, Minn. Original filed, act of 1946, Principal Register, Mar. 4, 1949; amended to application, Supplemental Register, Oct. 12, 1951, Serial No. 574,891.

Paul Bunyan's "Flock"

The name "Paul Bunyan" refers to a legendary character in the logging industry. Applicant claims ownership of Registration No. 421,770.
For Fishing Tackle—Namely, Artificial Popping Bug Lures.
Claims use since Sept. 2, 1947.

560,006. (Class 46. Foods and Ingredients of Foods.) Melba Sweets Co., Cliffside Park, N. J. Original filed, act of 1946, Principal Register, Mar. 15, 1949; amended to application, Supplemental Register, Apr. 13, 1950, Serial No. 575,477.

HAPPY CHICKS
JELLY EGGS

For Candy.
Claims use since December 1948.

560,007. (Class 21. Electrical Apparatus, Machines, and Supplies.) Julius F. Scharner, Hoboken, N. J. Original filed, act of 1946, Principal Register, May 13, 1949; amended to application, Supplemental Register, Jan. 23, 1952, Serial No. 578,828.

HUDSON

For Electrical Apparatus—Namely, Table Lamps, Floor Lamps, Lamp Shades, and Lamp Shade Frames.
Claims use since Mar. 1, 1949.

560,008. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Fugle-Mellet Products, Inc., Miami, Fla. Original filed, act of 1946, Principal Register, Oct. 26, 1949; amended to application, Supplemental Register, June 7, 1951, Serial No. 586,849.



The words "Lead Pointer" are disclaimed.
For Mechanical Lead Sharpeners for Sharpening Lead in Mechanical Pencils.
Claims use since June 25, 1949.

560,009. (Class 39. Clothing.) Hess-Taylor Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 17, 1949; amended to application, Supplemental Register, Sept. 6, 1951, Serial No. 587,952.

HARCOURT

For Ladies' Hosiery.
Claims use since Mar. 24, 1949.

560,010. (Class 52. Detergents and Soaps.) Sandy Valley Grocery Company, Ashland, Ky. Filed Dec. 7, 1949, Serial No. 588,970.



For Cleaning and Washing Compound With Incidental Bleaching Properties.
Claims use since June 9, 1948.

560,011. (Class 2. Receptacles.) Beach Products, Inc., Kalamazoo, Mich. Original filed, act of 1946, Principal Register, Jan. 19, 1950; amended to application, Supplemental Register, Feb. 17, 1951, Serial No. 591,068.

"Thrift-Pak"

The drawing is lined for the color red.
For Cups and Plates of Fibrous Material.
Claims use since Aug. 30, 1949.

560,012. (Class 46. Foods and Ingredients of Foods.) Sea Fare Restaurant, Inc., sometimes doing business as Sea Fare, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 27, 1951; amended to application, Supplemental Register, Dec. 27, 1951, Serial No. 594,403.

Sea-Fare

Applicant claims ownership of Registration No. 423,649.
For Salad Dressing and Coffee.
Claims use since Oct. 1, 1944.

560,013. (Class 46. Foods and Ingredients of Foods.) Western Condensing Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, May 15, 1950; amended to application, Supplemental Register, Mar. 10, 1952, Serial No. 597,477.

Peebles'
DAIRY-BAKE

For Dairy Ingredient for General Baking Purposes Comprising a Blend of Modified Cheese Whey and Skim Milk With Added Calcium Sulfate.
Claims use since Mar. 24, 1950.

560,014. (Class 46. Foods and Ingredients of Foods.) Western Condensing Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, May 15, 1950; amended to application, Supplemental Register, Mar. 10, 1952, Serial No. 597,478.

Peebles'
DAIRY-WHEY

For Dairy Ingredient for General Baking Purposes Comprising Spray Dried Whey Solids.
Claims use since Mar. 17, 1950.

560,015. (Class 22. Games, Toys, and Sporting Goods.) Henry M. Babington, doing business as Tip-It Manufacturing Co., Renton, Wash. Original filed, act of 1946, Principal Register, June 28, 1950; amended to application, Supplemental Register, Mar. 21, 1952, Serial No. 599,859.

TIP-IT

For Dispenser for Salmon Eggs To Be Used as Bait, Said Dispenser Adapted for Attachment to the Belt of a Fisherman.
Claims use since July 25, 1949.

560,016. (Class 6. Chemicals and Chemical Compositions.) Claire Manufacturing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Mar. 14, 1952, Serial No. 600,569.

odor
gone

For Room Deodorizers and Room Deodorants.
Claims use since October 1948.

560,017. (Class 22. Games, Toys, and Sporting Goods.) William H. Scott, Sheridan, Wyo. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 600,621.



The wording "Trout Flies" and the representation of the trout flies are disclaimed.
For Artificial Fish Lure.
Claims use since May 6, 1950.

560,018. (Class 38. Prints and Publications.) R D News, Incorporated, New York, N. Y., assignee of Roller Derby Associates. Original filed, act of 1946, Principal Register, July 20, 1950; amended to application, Supplemental Register, Nov. 13, 1951, Serial No. 600,979.

Roller Derby News

For Newspapers Published and Issued From Time to Time.
Claims use since Mar. 8, 1950.

560,019. (Class 46. Foods and Ingredients of Foods.) Richgrove-Jasmine Citrus Association, Delano, Calif. Original filed, act of 1946, Principal Register, Aug. 7, 1950; amended to application, Supplemental Register, Oct. 13, 1951, Serial No. 602,536.

BONAFIDE

Applicant claims ownership of Registration No. 442,750.
For Fresh Citrus Fruits.
Claims use since Nov. 25, 1927.

560,020. (Class 46. Foods and Ingredients of Foods.) Harvey C. Candeaux, trading and doing business as Turkey Products Co., Hillsboro, Oreg. Original filed, act of 1946, Principal Register, Aug. 29, 1950; amended to application, Supplemental Register, Dec. 14, 1951, Serial No. 602,888.



For Food Composition Consisting of Turkey Meat and Seasoning.
Claims use since Apr. 4, 1950.

560,021. (Class 35. Belting, Hose, Machinery Packing, and Nonmetallic Tires.) Allis Seal Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 6, 1950; amended to application, Supplemental Register, Sept. 10, 1951, Serial No. 603,176.



The word "Seals" and the representation of the goods is disclaimed. The drawing is lined for red and gray.
For Oil Seals Made of Leather or Synthetic Material.
Claims use since Sept. 1, 1950.

560,022. (Class 6. Chemicals and Chemical Compositions.) Safeway Stores, Incorporated, Oakland, Calif. Original filed, act of 1946, Principal Register, Sept. 15, 1950; amended to application, Supplemental Register, Mar. 14, 1952, Serial No. 603,598.

FAUNTLEROY

For Liquid Starch.
Claims use since Aug. 24, 1950.

560,023. (Class 39. Clothing.) Blair Corset Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Jan. 27, 1951; amended to application, Supplemental Register, Mar. 28, 1952, Serial No. 609,329.

"Peak-top"

For Combinations of Strapless Brassières and Blouses.
Claims use since Jan. 10, 1951.

560,024. (Class 38. Prints and Publications.) Reed & Barton, Taunton, Mass. Original filed, act of 1946, Principal Register, Feb. 23, 1951; amended to application, Supplemental Register, Feb. 23, 1952, Serial No. 610,464.

The
Silver Digest

For Printed Pamphlets Published From Time to Time.
Claims use since Feb. 15, 1951.

560,025. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Mary Lou Janik, Old Greenwich, Conn. Original filed, act of 1946, Principal Register, Mar. 6, 1951; amended to application, Supplemental Register, Feb. 26, 1952, Serial No. 610,907.

JANIK-SWEDEN

For Machine Tools—Namely, Chisels, Drills, and Bits.
Claims use since Jan. 10, 1951.

560,026. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) S.K.S. Machine Company, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 9, 1951; amended to application, Supplemental Register, Feb. 19, 1952, Serial No. 611,108.

FLEETWOOD

For Sewing Machines.
Claims use since Mar. 24, 1950.

560,027. (Class 50. Merchandise Not Otherwise Classified.) R. & W. Watson Limited, Linwood, Scotland. Original filed, act of 1946, Principal Register, Mar. 14, 1951; amended to application, Supplemental Register, Mar. 5, 1952, Serial No. 611,320.

LINSON

Applicant claims ownership of British Registration No. 668,499, dated Apr. 12, 1948.

For Book-Binding Materials—Namely, Non-Woven Impregnated Felted Sheet Material in the Nature of Artificial Leather, More Similar to Paper Than to Cloth, Usable Primarily for Covering Books.

560,028. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) West Point Foundry & Machine Co., West Point, Ga. Original filed, act of 1946, Principal Register, Mar. 14, 1951; amended to application, Supplemental Register, Mar. 10, 1952, Serial No. 611,322.

CYL-AIR

For Textile Machinery—Namely, Mechanical Driers for Slashers.
Claims use since July 20, 1949.

560,029. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) West Point Foundry & Machine Co., West Point, Ga. Original filed, act of 1946, Principal Register, Mar. 14, 1951; amended to application, Supplemental Register, Mar. 10, 1952, Serial No. 611,323.

WEST POINT FOUNDRY & MACHINE CO. CYL-AIR SLASHER WEST POINT, GA. U.S.A.

All wording except "Cly-Air" is disclaimed.
For Textile Machinery—Namely, Mechanical Driers for Slashers.
Claims use since July 20, 1949.

560,030. (Class 50. Merchandise Not Otherwise Classified.) Grace Sign & Mfg. Co., St. Louis, Mo. Original filed, act of 1946, Principal Register, Mar. 23, 1951; amended to application, Supplemental Register, Mar. 28, 1952, Serial No. 611,695.

EZ-ON

For Sign Facings for Traffic Markers.
Claims use since Mar. 9, 1951.

560,031. (Class 47. Wines.) California Valley Wine Co., New York, N. Y. Filed Apr. 18, 1951, Serial No. 612,788.

THE WINE YOU CAN ALMOST "CUT WITH A KNIFE"

Applicant claims ownership of Registration No. 401,101.
For Wines.
Claims use since Aug. 18, 1949.

560,032. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Windolph Tractor Co., Portland, Oreg. Original filed, act of 1946, Principal Register, Apr. 27, 1951; amended to application, Supplemental Register, Mar. 21, 1952, Serial No. 613,276.

GARDEN MAKER

For Small Garden Tractors, Particularly Those Employing Rotatable Tiller Blades.
Claims use since Aug. 2, 1950.

560,033. (Class 39. Clothing.) Bell-Ray Hosiery Company, Detroit, Mich. Original filed, act of 1946, Principal Register, May 21, 1951; amended to application, Supplemental Register, Feb 7, 1952, Serial No. 614,130.

Hyde Park

For Hosiery for Women and Girls.
Claims use since Mar. 14, 1950.

560,034. (Class 38. Prints and Publications.) General Publishing Company, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, June 11, 1951; amended to application, Supplemental Register, Apr. 5, 1952, Serial No. 615,012.

Popular **HOMECRAFT** and HOME REPAIRS

For Magazine Published Bimonthly.
Claims use since Apr. 1, 1950, as shown; and since Sept. 30, 1930, as to "Popular Homecraft."

560,035. (Class 52. Detergents and Soaps.) Patek and Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, July 2, 1951; amended to application, Supplemental Register, Feb. 11, 1952, Serial No. 615,992.

SUPER CATALYST "M"

For Energizing Preparation for Increasing Digester Bath Activity Used for the Purpose of Cleaning Textile Fabrics and the Removal of Stains Therefrom.
Claims use since May 11, 1950.

560,036. (Class 22. Games, Toys, and Sporting Goods.) John M. Russ, Iowa City, Iowa. Filed Oct. 5, 1951, Serial No. 619,651.

RUSS-TIED

For Artificial Fishing Flies.
Claims use since May 25, 1950.

TRADE-MARK REGISTRATIONS RENEWED

38,511. LISTERINE. Registered June 24, 1902. Lambert Pharmacal Co. Re-renewed June 24, 1952, to The Lambert Company, St. Louis, Mo., a corporation of Delaware. Toilet-Soap. Class 52.

38,614. PROFERRIN. Registered July 15, 1902. H. K. Mulford Co. Re-renewed July 15, 1952, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. Tonics. Class 18.

85,501. "CHIEF" AND DRAWING. Registered Feb. 20, 1912. Frank Schujahn. Re-renewed Feb. 20, 1952, to Winnebago Cheese Company, Fond du Lac, Wis., a corporation of Wisconsin. Full-Cream Cheese. Class 46.

85,549. DIPLOSAL. Registered Feb. 27, 1912. C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Re-renewed Feb. 27, 1952, to Rare-Galen, Inc., Kenilworth, N. J., a corporation of New Jersey. Derivatives of Salicylic Acid. Class 6.

85,639. GENUINE GLIDDEN BARB WIRE. Registered Mar. 5, 1912. The American Steel & Wire Company of New Jersey, Hoboken, N. J. Re-renewed Mar. 5, 1952, to United States Steel Company, Pittsburgh, Pa., a corporation of New Jersey. Barb-Wire. Class 13.

86,356. THE LOOKOUT. Registered Apr. 30, 1912. The Western Clock Manufacturing Co., Peru, Ill. Re-renewed Apr. 30, 1952, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

86,566. A. Registered May 21, 1912. American Iron and Steel Manufacturing Company, Lebanon and Reading, Pa. Re-renewed May 21, 1952, to Bethlehem Steel Company, Bethlehem, Pa., a corporation of Pennsylvania. Threaded Bolts, Machine-Bolt Blanks, Bolt Ends, Metal Screws, Railway-Spikes, Dock-Spikes, Etc. Class 13.

87,049. CAMEO. Registered June 25, 1912. Denny, Hilborn & Rosenbach. Re-renewed June 25, 1952, to Denny, Hilborn & Rosenbach Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Dry Colors, Colors Mixed in Varnish, and Ready-Mixed Decorative and Preservative Paints. Class 16.

87,302. YORK SAFES. Registered July 2, 1912. York Safe and Lock Co., York, Pa. Re-renewed July 2, 1952, to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio. Safes and Vault-Doors. Class 25.

87,388. LITTLE BEN. Registered July 9, 1912. The Western Clock Manufacturing Co., Peru, Ill. Re-renewed July 9, 1952, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

87,452. OLD HOMESTEAD. Registered July 16, 1912. The Hull & Dillon Pkg. Co., Pittsburg, Kans. Re-renewed July 16, 1952, to Swift & Company, Chicago, Ill., a corporation of Illinois. Ham, Bacon and Lard. Class 46.

87,472. GALLO. Registered July 16, 1912. Nelson, Baker & Co. Re-renewed July 16, 1952, to Nelson, Baker & Co., Inc., Detroit, Mich., a corporation of Michigan. Antiseptic Compounds. Class 18.

87,739. WORLD SCOUTS. Registered Aug. 6, 1912. The Excelsior Shoe Company. Re-renewed Aug. 6, 1952, to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio. Leather Boots and Shoes. Class 39.

286,741. OHROPAX. Registered Sept. 1, 1931. Max Negwer, Potsdam, Germany. Renewed Sept. 1, 1951, to Erna Negwer, nee Kaufke, Bad Homburg v. d. H., Germany. Articles Which Are Used for Therapeutic, Hygienic, or Corrective Purposes—Namely, Wind Protection Devices for Ears, Etc. Class 44.

288,602. "JU-CY PIG" AND DRAWING. Registered Nov. 3, 1931. Triple "XXX" Company. Renewed Nov. 3, 1951, to Galveston-Houston Breweries, Inc., Galveston, Tex., a corporation of Texas. Sandwiches and Condiment Sauce Suitable for Use in Sandwiches. Class 46.

290,702. UBAC. Registered Jan. 12, 1932. Irving A. Edelstein, doing business as London Pharmacal Co. Renewed Jan. 12, 1952, to Ethel Malatzky, New York, N. Y. Ointment for External Use for Ringworm, Eczema, and Other Skin Diseases. Class 18.

291,253. "SHALER" ETC. AND DESIGN. Registered Feb. 2, 1932. The Shaler Company, Waupun, Wis., a corporation of Delaware. Renewed Feb. 2, 1952. Pneumatic Vehicle Tires and Portable Tire Repair Kits. Class 35.

291,465. ACTO. Registered Feb. 9, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed Feb. 9, 1952. Rubber Tires and Tubes. Class 35.

291,665. INDIAN MAIDEN. Registered Feb. 23, 1932. Nashua Manufacturing Co., Nashua, N. H., and Boston, Mass. Renewed Feb. 23, 1952, to Textron Inc., Providence, R. I., a corporation of New Hampshire. Cotton Piece Goods. Class 42.

291,673. RHEINGOLD. Registered Feb. 23, 1932. United States Brewing Co. of Chicago. Renewed Feb. 23, 1952, to United States Brewing Co., Chicago, Ill., a corporation of Delaware. Malt Beverage of Less Than One-Half of One Percent Alcohol by Volume. Class 48.

291,684. ATLAS. Registered Feb. 23, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed Feb. 23, 1952. Golf Balls. Class 22.

291,716. "VS" ETC. AND DESIGN. Registered Feb. 23, 1932. Vienna Sausage Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed Feb. 23, 1952. Sausages — Namely, Vienna Style Sausages, Coney Island Style Frankfurters, Hungarian Style Sausages, Etc. Class 46.

291,749. "TEN PERFECT TOES" ETC. AND DRAWING. Registered Feb. 23, 1932. Wiswell-Everston Shoe Mfg. Co., Cedar Grove, Wis. Renewed Feb. 23, 1952, to Herbst Shoe Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin. Shoes Made of Leather, Rubber, Fabric, and of Combinations of These Materials. Class 39.

291,757. ATLAS. Registered Feb. 23, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed Feb. 23, 1952. Caps for Automobile Gasoline Tanks, Automobile Windshield Wipers, Automobile Windshield Wiper Blades and Nonglare Rear Vision Mirrors for Automobiles. Class 19.

291,849. FIREFITE. Registered Feb. 23, 1932. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J. Renewed Feb. 23, 1952, to United States Steel Company, Pittsburgh, Pa., a corporation of New Jersey. Wire, and Particularly Fire Resistant Insulated Metal Wire. Class 14.

291,995. ATLAS. Registered Mar. 1, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed Mar. 1, 1952. Automobile Fan Belts and Automobile Radiator Hose. Class 35.

292,028. LUSTERSHEEN. Registered Mar. 1, 1932. West Disinfecting Company, Long Island City, N. Y., a corporation of New York. Renewed Mar. 1, 1952. Preparation Prepared for Use in the Wet Cleaning of Silks, Woolens, Linens, and Fine Fabrics. Class 52.

292,092. ATLAS. Registered Mar. 1, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed Mar. 1, 1952. Oil Filters for Use as an Accessory to a Combustion Engine. Class 31.

292,119. ATLAS. Registered Mar. 1, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed Mar. 1, 1952. Spark Plugs. Class 21.

292,201. TARNO. Registered Mar. 1, 1932. The S. S. White Dental Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 1, 1952. Dental Wire. Class 44.

292,244. "TRIPLE AAA" ETC. AND DESIGN. Registered Mar. 8, 1932. Triple AAA Tablets, Inc., Buffalo, N. Y., a corporation of New York. Renewed Mar. 8, 1952. Tablets for the Treatment of Headaches, Colds, Menstrual Pains, After Tooth Extraction, and Like Ailments. Class 18.

292,257. "H-O-H" ETC. Registered Mar. 8, 1932. D. W. Haering & Company, Chicago, Ill. Renewed Mar. 8, 1952, to D. W. Haering & Co., Inc., San Antonio, Tex., a corporation of Illinois. Preparation Primarily Intended for Preventing the Formation of and for Removing Scale, Etc. Class 52.

292,280. ESKIMO CUP. Registered Mar. 8, 1932. Eskimo Pie Corporation, New York, N. Y. Renewed Mar. 8, 1952, to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware. Ice Cream Confections and Ice Cream. Class 46.

292,405. "PERMALITH" AND DESIGN. Registered Mar. 15, 1932. Bradfield Building Products Co., Los Angeles, Calif. Renewed Mar. 15, 1952, to L. M. Scofield Company, Huntington Park, Calif., a firm. Cement Hardeners and Colors. Class 6.

292,436. TITROSALA. Registered Mar. 15, 1932. Nordmark-Werke G. m. b. H. fur Angewandte Chemie, Hamburg, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Mar. 15, 1952. Diet and Table Salt. Class 46.

292,449. TRI-SURE. Registered Mar. 15, 1932. American Flange & Manufacturing Company, Chicago, Ill. Renewed Mar. 15, 1952, to American Flange & Manufacturing Co. Inc., New York, N. Y., a corporation of Delaware. Closure Structures for Openings in Metallic Containers and Parts Thereof—Namely, Caps, Plugs, Bushings, Flanges, and Washers. Class 13.

292,545. "LIGHTNINGPAK" AND DESIGN. Registered Mar. 15, 1932. Bluma M. Mann, doing business as Cumberland Chemical Company, Central Falls, R. I. Renewed Mar. 15, 1952, to Rose-Derry Company, Newton, Mass., a corporation of Massachusetts. Heating Pads for Therapeutic Purposes. Class 44.

292,631. SENTINEL. Registered Mar. 22, 1932. United Air Cleaner Corporation, Chicago, Ill. Renewed Mar. 22, 1952, to Sentinel Radio Corporation, Evanston, Ill., a corporation of Illinois. Radio Receiving Sets and Parts Thereof, Radio Tubes and Loud Speakers. Class 21.

292,848. LEBARON. Registered Mar. 29, 1932. Le Baron Detroit Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 29, 1952. Vehicle Bodies. Class 19.

292,867. "DURA-CLOTH" WITH HEAVY CURVED UNDERLINE. Registered Mar. 29, 1932. Norman A. Shane, doing business as Shane Manufacturing Co. Renewed Mar. 29, 1952, to Shane Manufacturing Company, Inc., Evansville, Ind., a corporation of Indiana. Painters' and Paperhangers' Drop Cloths. Class 50.

292,908. REPRESENTATION OF TEDDY BEAR. Registered Mar. 29, 1932. Bear Manufacturing Company, Rock Island, Ill., a corporation of Delaware. Renewed Mar. 29, 1952. Automobile Frame Straighteners, Teeter Racks for Automobiles, and Automobile Axle Presses. Class 23.

293,126. "BOLS" AND DESIGN. Registered Apr. 12, 1932. N. V. Maatschappij tot Voortsetting der Amsterdamsche Likeurstokerij "'t Lootsje" der Erven Lucas Bols, Amsterdam, Netherlands. Renewed Apr. 12, 1952, to Erven Lucas Bols Incorporated, Englewood, N. J., a corporation of Delaware. Gin. Class 49.

293,285. "LISTERINE" ETC. AND REPRESENTATION OF LIGHT-BROWN WRAPPER. Registered Apr. 19, 1932. Lambert Pharmacal Company, Wilmington, Del. Renewed Apr. 19, 1952, to The Lambert Company, St. Louis, Mo., a corporation of Delaware. Medicinal, Antiseptic, and Deodorant Compound. Class 51.

293,307. ATLAS. Registered Apr. 19, 1932. Atlas Supply Company, Wilmington, Del., and Newark, N. J. Renewed Apr. 19, 1952, to Atlas Supply Company, Newark, N. J., a corporation of Delaware. Brake-Linings. Class 35.

293,632. RHINO BOND. Registered May 3, 1932. Oregon Pulp and Paper Co., Salem, Oreg. Renewed May 3, 1952, to Oregon Pulp and Paper Company, Portland, Oreg., a corporation of Oregon. Mimeograph and Bond Paper. Class 37.

293,980. "STERLING" ETC. AND DESIGN. Registered May 10, 1932. Sterling Oil Company, Emlenton, Pa. Renewed May 10, 1952, to Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware. Illuminating Oils, Lubricating Oils, Lubricating Greases, Gasoline, Kerosene, and Crude Petroleum. Class 15.

294,186. E-Z. Registered May 24, 1932. Pyramid Products Company, Chicago, Ill. Renewed May 24, 1952, to Ideal Industries, Inc., Sycamore, Ill., a corporation of Delaware. Hand, Foot, and Mechanically Operated Devices for Stripping Insulated Coatings From Metallic Wires. Class 23.

294,192. ATLAS. Registered May 24, 1932. Atlas Supply Company, Wilmington, Del., and Newark, N. J. Renewed May 24, 1952, to Atlas Supply Company, Newark, N. J., a corporation of Delaware. Razor Blades. Class 23.

294,354. ORPHOS. Registered May 24, 1932. Walter Janvier, Inc., New York, N. Y. Renewed May 24, 1952, to The Lambert Company, St. Louis, Mo., a corporation of Delaware. Tooth Paste. Class 51.

294,419. A. NO 1. Registered May 24, 1932. Hawley & Hoops, New York, N. Y. Renewed May 24, 1952, to Hawley & Hoops, Inc., Boston, Mass., a corporation of New York. Candy. Class 46.

294,609. VANCORAM REVIEW. Registered June 7, 1932. Vanadium Corporation of America, Bridgeville, Pa. Renewed June 7, 1952, to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware. Periodicals. Class 38.

294,945. SMART SET. Registered June 14, 1932. G. P. Halferty & Co., Inc., Seattle, Wash., a corporation of Washington. Renewed June 14, 1952. Canned Fish. Class 46.

295,005. ATLAS. Registered June 14, 1932. Atlas Supply Company, Wilmington, Del., and Newark, N. J. Renewed June 14, 1952, to Atlas Supply Company, Newark, N. J., a corporation of Delaware. Island Display Show Cases, Automobile Tire Display Racks, and Storage Battery Display Racks. Class 32.

295,006. "SOLCO" ETC. Registered June 14, 1932. Choice Foods, Inc., Detroit, Mich. Renewed June 14, 1952, to Choice Foods, Inc., Center Line, Mich., a corporation of Michigan. Chocolate Flavored Syrup or Powder, Being the Soluble Constituents of the Cocoa Bean, Etc. Class 46.

295,071. "RELIANCE". Registered June 14, 1932. F. & F. Koenigkramer. Renewed June 14, 1952, to F. & F. Koenigkramer Co., Cincinnati, Ohio, a corporation of Ohio. Barber and Beauty Operator Chairs and Tables. Class 32.

295,109. ATLAS. Registered June 21, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed June 21, 1952. Chemically Treated Automobile Polishing Cloths, Nickel Polish, Chromium Polish, Etc. Class 29.

295,177. COMET. Registered June 21, 1932. McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts. Renewed June 21, 1952. Gummed Paper, Gummed Cloth, and Gummed Paper Tape and Gummed Cloth Tape. Class 37.

295,373. PANQUICK. Registered June 28, 1932. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed June 28, 1952. Pancake Flour. Class 46.

295,390. BLŪ-HOT. Registered June 28, 1932. The Huenefeld Company, Cincinnati, Ohio, a corporation of Ohio. Renewed June 28, 1952. Oil Burners. Class 34.

295,439. LA MODE. Registered July 5, 1932. Diana Manufacturing Company, Green Bay, Wis., a corporation of Wisconsin. Renewed July 5, 1952. Sanitary Pads. Class 44.

295,506. VALORO. Registered July 5, 1932. Valentine & Company. Renewed July 5, 1952, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. Paint Enamels, Varnish Stains, Lacquers, Bronze Enamel, and Bronzing Liquid. Class 16.

295,537. ACTO. Registered July 5, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed July 5, 1952. Caps for Automobile Gasoline Tanks, Automobile Windshield Wipers, Automobile Windshield Wiper Blades, and Non-Glare Rear Vision Mirrors for Automobiles. Class 19.

295,538. ACTO. Registered July 5, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed July 5, 1952. Golf Balls. Class 22.

295,539. ACTO. Registered July 5, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed July 5, 1952. Oil Filters for Combustion Engines. Class 31.

295,540. ACTO. Registered July 5, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed July 5, 1952. Radiator Hose, Brake Linings, and Automobile Fan Belts. Class 35.

295,541. ATLAS. Registered July 5, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed July 5, 1952. Automobile Goggles. Class 26.

295,699. ATLAS. Registered July 12, 1932. Atlas Supply Company, Newark, N. J., a corporation of Delaware. Renewed July 12, 1952. Automobile Anti-Freeze Compound, Automobile Radiator Cleaning Compound, and Automobile Radiator Sealing Compound. Class 52.

295,748. PERMALUX. Registered July 12, 1932. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Renewed July 12, 1952. Non-Discoloring Antioxidant for Rubber. Class 6.

295,927. DIXI-ARC. Registered July 19, 1932. Atlantic Steel Company, Atlanta, Ga., a corporation of Delaware. Renewed July 19, 1952. Welding Electrodes. Class 14.

295,928. DIXI-GAS. Registered July 19, 1932. Atlantic Steel Company, Atlanta, Ga., a corporation of Delaware. Renewed July 19, 1952. Welding Rods. Class 14.

296,165. "PONIES." Registered July 26, 1932. The Munsingwear Corporation. Renewed July 26, 1952, to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware. Women's and Misses' Underwear. Class 39.

296,319. SKIN-SUCCESS. Registered Aug. 2, 1932. E. T. Browne Drug Company Inc., New York, N. Y., a corporation of New York. Renewed Aug. 2, 1952. Medicinal and Toilet Soap. Class 52.

296,604. POROSEAL. Registered Aug. 16, 1932. M. J. Merkin Paint Co., Inc., New York, N. Y., a corporation of New York. Renewed Aug. 16, 1952. Inside Paint Containing China Wood Oil Varnish, Mineral Pigments, Mineral Spirits, and Metallic Drier. Class 16.

296,607. THERMOSTIC. Registered Aug. 16, 1932. The M. W. Kellogg Co., Jersey City, N. J., and New York, N. Y. Renewed Aug. 16, 1952, to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware. Plastic Heat Insulation Material. Class 12.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

512,628. VACU-LUG. Registered July 19, 1949. American Tire Machinery Inc., Muncie, Ind. Lugs Made of Resilient Material as Rubber and the Like, Etc. Class 35. Corrected as follows: In the certificate, line 3, second occurrence, and in the statement, line 3, first occurrence, "Indiana" should be *California*.

556,719. ELLBROOK. Registered Mar. 25, 1952. Ellay Stores, Inc., New York, N. Y. Men's and Women's Suits and Coats. Class 39. Disclaimed as follows: "No claim is made to the crown appearing at the top center of the design."

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 5

ADHESIVES

Reg. No. 85,423. Registered Feb. 20, 1912. Eastman Kodak Company, Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.
See this serial number in Class 26 for goods and mark.
Claims use since December 1887.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 85,423. Registered Feb. 20, 1912. Eastman Kodak Company, Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.
See this serial number in Class 26 for goods and mark.
Claims use since December 1887.

Reg. No. 289,144. Registered Nov. 17, 1931. Champion Soap Co. Inc., New York, N. Y. Republished by The Dagmar Chemical Company, Incorporated, Stamford and Springdale, Conn., a corporation of Connecticut.

CHAMPION

For Anti-Freeze Compounds.
Claims use since May 1, 1931.

Reg. No. 293,851. Registered May 10, 1932. Kinetic Chemicals, Inc., Wilmington, Del. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

FREON

For Fluorinated Hydrocarbons Used as Refrigerants, Propellants, and Fire Extinguishing Preparations.
Claims use since Dec. 1, 1931.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 143,336. Registered May 31, 1921. Florasynth Laboratories, Inc., Unionport, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

EUREKA

For Reducing Compound for Lithographic and Printing Inks.
Claims use since March 1917.

CLASS 15

OILS AND GREASES

Reg. No. 296,632. Registered Aug. 16, 1932. Dryer, Clark & Dryer Oil Co., Oklahoma City, Okla., a corporation of Oklahoma. Republished by registrant.



The words "All Pennsylvania Motor Oil" are disclaimed apart from the mark as shown. The drawing is lined for the colors red and blue.
For Motor Lubricating Oil.
Claims use since Oct. 3, 1931.

Reg. No. 373,150. Registered Nov. 28, 1939. Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla., a corporation of Oklahoma. Republished by registrant.



The word "Lubricant" is disclaimed apart from the mark as shown. The drawing is lined for the colors red and blue.
For Lubricating Oils and Greases.
Claims use since Jan. 25, 1937.

Reg. No. 375,008. Registered Feb. 6, 1940. Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla., a corporation of Oklahoma. Republished by registrant.



The words "1 Lb. Net," "100% Lubricant," and "Oklahoma City, Oklahoma" are all disclaimed apart from the mark as shown. The drawing is lined for the color green.
For Lubricating Oils and Greases.
Claims use since June 1926.

Reg. No. 377,412. Registered May 7, 1940. Dryer, Clark & Dryer Oil Company, Oklahoma City, Okla., a corporation of Oklahoma. Republished by registrant.



The words "Gasoline" and "High Compression" are disclaimed apart from the mark as shown.
For High Compression Gasoline.
Claims use since Jan. 1, 1927.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 85,423. Registered Feb. 20, 1912. Eastman Kodak Company, Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.
See this serial number in Class 26 for goods and mark.
Claims use since December 1887.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 85,423. Registered Feb. 20, 1912. Eastman Kodak Co., Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.

KODAK

For Photographic Cameras, Photographic Lenses, Photographic Portrait Attachments, Photographic Color-Screens, Photographic Shutter Attachments, Photographic Plate-Holders, Photographic Camera-Carrying Cases, Photographic Dark-Room Lamps, Photographic Outfits Containing Assortments of Photographic Goods, Photographic Print-Rollers, Photographic Mounting-Presses, Photographic Mounting-Tissue, Photographic Trimming-Boards, Photographic Developing Tanks or Machines, Photographic Film, Film Spools and Cartridges, Photographic Paper, Photographic Chemicals, Photographic Mounts, Photographic Print-Holding Clips, Photographic Developing-Trays, Photographic Tripods, and Photographic Tripod-Adapters.
Claims use since December 1887.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 291,146. Registered Feb. 2, 1932. Eastman Kodak Company, Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.

KODAK

For Interval Timers.
Claims use since on or about Nov. 1, 1926.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 293,670. Registered May 3, 1932. Schoffield Service, Inc., New York, N. Y. Republished by Wheeldex Manufacturing Co., Inc., White Plains, N. Y., a corporation of New York.

WHEELDEX

For Filing Cabinets.
Claims use since on or about Oct. 28, 1931.

CLASS 39

CLOTHING

Reg. No. 443,242. Registered Aug. 16, 1949. The Cambridge Rubber Company, Cambridge, Mass., a corporation of Maryland. Republished by registrant, present address Taneytown, Md.

Snow Lady

For Women's and Misses' Overshoes.
Claims use since May 8, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 396,812. Registered Aug. 4, 1942. The Larsen Company, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.



The word "Vegetable" is disclaimed apart from the mark as shown.
For Canned Mixed Vegetables.
Claims use since Aug. 31, 1935.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 309,109. Registered Jan. 2, 1934. The Frankfort Distillery, Inc., Louisville, Ky., assignor to Frankfort Distilleries, Incorporated. Republished by Frankfort Distilleries, Incorporated, Louisville, Ky., a corporation of Delaware.



The words "Pure Malt Whiskey" are disclaimed apart from the mark as shown.
For Whiskey.
Claims use since Sept. 1, 1884.

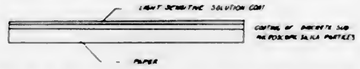
REISSUES

JUNE 10, 1952

23,510
METHOD OF MAKING PHOTOGRAPHIC PAPER

Edward Jahoda, Manhasset, N. Y., assignor to H. P. Andrews Paper Company, New York, N. Y., a corporation of New York

Original No. 2,433,515, dated December 30, 1947, Serial No. 589,102, April 18, 1945. Application for reissue August 10, 1950, Serial No. 178,830
3 Claims. (Cl. 117—34)



1. In the preparation of a *photosensitive* paper base material, the step of applying a penetration-restricting sizing to the paper, followed by the step of precipitating a silica coating from a colloidal liquid dispersion of silica onto the surface of the paper, the silica in said precipitate consisting of discrete particles of colloidal size.

23,511
STRESS BREAKER

Stanley E. Noyes, Glendale, Calif., assignor to Dental Perfection Company, Glendale, Calif., a corporation of California

Original No. 2,571,931, dated October 16, 1951, Serial No. 21,297, April 15, 1948. Application for reissue March 1, 1952, Serial No. 274,455
8 Claims. (Cl. 32—5)

1. An artificial tooth having an opening in the side wall thereof intermediate the crown and base of said tooth, a link member secured in said opening by means of a pin in such manner that the lower side of said link lies against the lower wall of said opening and the upper side and end of said link adjacent said pin are spaced from the upper and end walls of said opening, and a fastening member secured to the free end of said link mem-

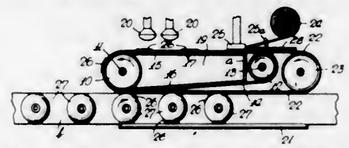


ber, said link member being movable about said pin in said side wall opening of the artificial tooth.

23,512
MACHINE AND METHOD FOR APPLYING LABELS TO ARTICLES ON A CONVEYER

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Original No. 2,524,945, dated October 10, 1950, Serial No. 590,199, April 25, 1945. Application for reissue November 20, 1951, Serial No. 257,296
50 Claims. (Cl. 216—25)



33. A labeling machine for cylindrical bottles and like articles comprising means to render adhesive one face of a label, a label delivery member with suction openings, means to transfer a separate, unitary label, adhesive side out, to the delivery member, for the label to be held by suction applied to its non-adhesive face, and means to roll an article over the delivery member to apply the label to the article.

PLANT PATENTS

GRANTED JUNE 10, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,102
IVY PLANT

Walter S. Hahn, Pittsburgh, Pa., assignor to Louis Hahn & Son, Pittsburgh, Pa.

Application September 11, 1950, Serial No. 184,313
1 Claim. (Cl. 47—59)

The new and distinct variety of self-branching ivy plant substantially as herein described and illustrated, characterized particularly by its rapid and exceptionally compact growth; the large size and short petioles of its leaves, together with short internodes and arrangement of the leaves in pairs, resulting in dense overlapping; also distinguished by the shape, very heavy texture, prominent veining and somewhat raised and crinkled surface of the older leaves; and its habit of growing to a height of 6 to 8 inches before tending to recline.

1,103
ROSE PLANT

Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California

Application May 21, 1951, Serial No. 227,286
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by its long-pointed to urn-shaped buds, by the multi-colored coloring of its buds and open flowers, by the long-lasting quality of the buds when cut from the plant, by the formal open flowers resulting from the regular placement of the petals in an imbricated arrangement, by the very double form of the flowers and the pointed tips of the petals thereof, and by the abundance of its relatively flat, medium to large foliage of glossy appearance, substantially as herein shown and described.

1,104
ROSE PLANT
John A. Armstrong, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application December 29, 1950, Serial No. 203,445
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the climbing hybrid tea class, characterized by being substantially identical with its parent "Taffeta" (Plant Patent No. 716), but essentially distinguished therefrom by its climbing habit of growth, by its habit of producing many more flowers in the spring than can usually be found at any one time on the bush parent, and by its intermittent flowering habit during the remainder of the growing season, substantially as shown and described herein.

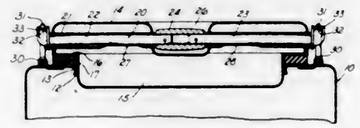
PATENTS

GRANTED JUNE 10, 1952

2,599,526
PREPARATION OF SUBSTITUTED PTERIDINES
Donna B. Cosulich, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 8, 1951, Serial No. 214,643
5 Claims. (Cl. 260—251.5)

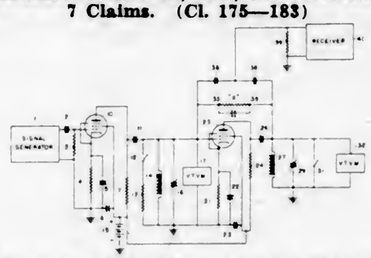
1. A method which comprises reacting together a member of the group consisting of 2,4,5-triamino-6-hydroxypyrimidine and acid salts thereof with a 2-halopropan-1,3-dial and an amino acid amide of para-aminobenzoic acid, whereby an amino acid amide of pteroic acid is produced and recovered.

2,599,527
COVER FASTENING MEANS
Harry M. Badger, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application May 21, 1947, Serial No. 749,417
3 Claims. (Cl. 220—57)



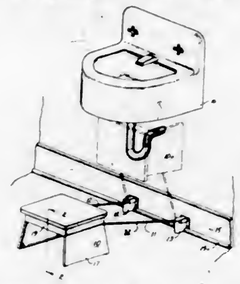
3. Cover fastening means for containers having an opening therein, a removable cover for said opening, and a resilient gasket between the cover and the periphery of the opening, comprising means in the cover forming a transverse passageway therethrough, a flexible shaft of smaller diameter than said passageway positioned within said passageway with its ends extending outwardly therefrom, said passageway being deformed adjacent the center of the shaft and spaced from its ends to provide bearing surfaces positioning the outer portion of the shaft adjacent the top of the passageway and providing a clearance between the ends of the shaft and the bottom of the passageway to permit downward flexing of the ends of the shaft, a handle fixed to the shaft intermediate its ends for turning same, said cover being provided with an opening extending into said passageway to receive said handle, a plurality of bails pivotally secured to the container and adapted to be pivoted over the ends of the shaft, said ends of the shaft being formed with offset cam surfaces constructed and arranged so as to permit said bails to be easily engaged and disengaged from the ends of the shaft when the shaft is in one rotated position and for placing the engaged bails under sufficient tension to flex the shaft when the shaft is turned to a second rotated position, and a radial projection on each end of the shaft to prevent disengagement of the bails when the shaft is in said second rotated position.

2,599,528
CAPACITANCE METER
Harold N. Beveridge, Washington, D. C., assignor to Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a body corporate of Canada
Application October 29, 1945, Serial No. 625,426
7 Claims. (Cl. 175—183)



5. In an apparatus for measuring the capacitance of an unknown element having a resistive component of impedance, an electron discharge device having a cathode, an anode, and a control electrode connected to function as a voltage amplifier, said unknown element being connected between said anode and said control electrode, a signal generator supplying a constant alternating voltage to said control electrode, anode circuit means including an adjustable capacitance to allow said anode circuit means to be tuned to the inductive side of resonance whereby a 180° phase relation between said control electrode voltage and said anode voltage is achieved, means in circuit with said anode to selectively disable the amplifying function of said device, control electrode circuit means including an adjustable calibrated capacitance capable of being tuned to resonance when said electron discharge device is not operating as an amplifier and capable of being tuned to resonance when said electron discharge device is operating as an amplifier whereby capacitance readings may be obtained from said calibrated capacitance and the capacitance of said unknown element may be computed.

2,599,529
RETRACTABLE STEP
Norman J. Harvey, Bellevue, Nebr.
Application May 1, 1946, Serial No. 666,479
4 Claims. (Cl. 228—48)



1. In a device of the character described, a step, a pair of wall brackets adapted to be

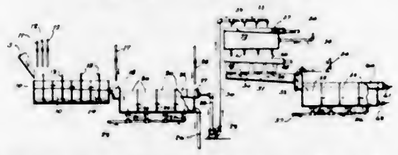
mounted on a base board, a U-shaped arm hingedly connected, at its ends, to the said wall brackets, and the legs thereof extending between the legs of the step, and a hinge plate mounted on the under-side of the step spaced from the edge thereof, and formed to provide a clip for hingedly and removably engaging the cross portion of the U-shaped arm, whereby the legs of the U-shaped arm will contact the underside of the step, when the step is lowered, to thereby prevent tipping of the step rearwardly toward the baseboard.

2,599,530

FLOTATION OF SILICEOUS IMPURITIES FROM MINERAL-BEARING MATERIAL

William Arthur Hodges, Plant City, Fla., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application May 23, 1946, Serial No. 671,683
5 Claims. (Cl. 209—166)



1. In the process of treating mineral-bearing material by flotation whereby the siliceous impurities incorporated therewith are floated, the steps of mixing mineral acid with said mineral-bearing material to activate the siliceous impurities, flowing said mixture to a quiescent zone, contacting said mixture with water diffused into said zone whereby substantially all of the acid is removed, withdrawing said mineral-bearing material from said zone, and adding silica flotation reagents thereto before any appreciable agitation has destroyed the acid activation of the silica.

2,599,531

PREPARATION OF PECTINESTERASE

Carl V. Smythe, Moorestown, N. J., Billy Blandin Drake, Philadelphia, and John Armstrong Miller, Ithan, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application November 14, 1949, Serial No. 127,241
5 Claims. (Cl. 195—66)

1. A process for preparing pectinesterase substantially free from polygalacturonase which comprises treating at a pH between 1.5 and 9.5 an aqueous solution of an enzyme system containing both polygalacturonase and pectinesterase with a member of the class consisting of urea and thiourea at a high concentration in said solution, the temperature of treating being between 5° and 60° C. when urea is used and between 5° and 30° C. when thiourea is used.

2,599,532

PREPARATION OF PECTINASE-FREE DIASTASE

Carl V. Smythe, Moorestown, N. J., and Clifford E. Neubeck, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application November 14, 1949, Serial No. 127,242
3 Claims. (Cl. 195—66)

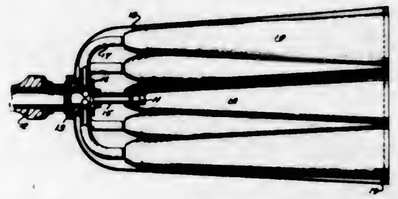
1. A process for preparing diastase free from enzymes acting on pectin which comprises forming a solution of (1) a member of the class consisting of thiourea and urea and (2) diastatic enzymes accompanied by enzymes acting on pectin, said solution having a pH at which said diastatic enzymes are stable and being relatively concentrated with respect to said member, storing the solution at a temperature between 0° and 50° C. until the activity of the enzymes acting on pectin has essentially disappeared, and separating diastase from the stored solution.

2,599,533

FIRE EXTINGUISHER MULTIPLE HORN ASSEMBLY

Frank B. Allen, Towaco, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware

Application June 9, 1950, Serial No. 167,219
9 Claims. (Cl. 169—11)



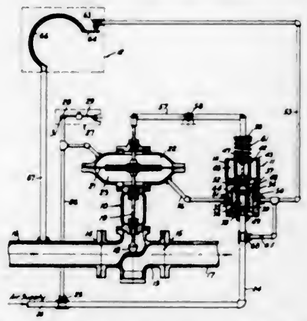
1. A discharge device for projecting carbon dioxide for fire extinguishing purposes comprising a plurality of nozzles, supply conduit means to deliver carbon dioxide to the nozzles, a plurality of shields each positioned about a nozzle, the shields arranged with their outlet ends contiguous so that the discharges therefrom have a mutually shielding effect, and space closing means positioned between the supply conduit and the outlet ends of the shields to prevent the entrainment of air from between the shields.

2,599,534

FLUID FLOW CONTROL APPARATUS

Douglas H. Annin, Oakland, Calif., assignor, by mesne assignments, to M & J Engineering Co., a partnership

Application June 20, 1945, Serial No. 600,610
2 Claims. (Cl. 137—153)



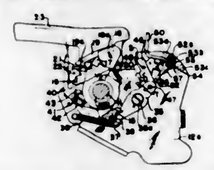
1. In apparatus for controlling flow of fluids, a primary valve means including a single primary valve member movable in opposite directions with respect to a single seat between open and closed positions, a primary fluid pressure operated member directly connected to operate the valve member, means forming closed loading and operating chambers on opposite sides of said fluid pressure operated member, regulating means for supplying air to said loading chamber at substantially constant pressure to thereby provide a constant loading force on said primary fluid pressure operated member for all operating positions of the same, a pneumatic valve positioner means having a movable valve member of the supply and waste type and having another fluid pressure operated member with a closed chamber on one side of the same for operating said last-mentioned valve member, and a mechanical motion applying connection between said primary fluid pressure operated member and the fluid pressure operated member of the positioner means, said connection including a spring through which force is applied to the fluid pressure operated member of the positioner in accordance with the positioning of the primary valve member, means forming a connection from both said regulating means and said valve positioner means to a common source of air supply, said valve positioner means having a pneumatic connection with said operating chamber, said valve positioner means serving to supply or vent gas from said operating chamber to cause movement of said fluid pressure operated member over increments of travel proportionate to various pressure values applied to the closed chamber of the pneumatic valve operating means.

2,599,535

LINE SPACING MECHANISM FOR TYPING MACHINES

Henry Allen Avery and Joseph P. Barkdoll, Groton, N. Y., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application May 4, 1950, Serial No. 160,026
8 Claims. (Cl. 197—114)



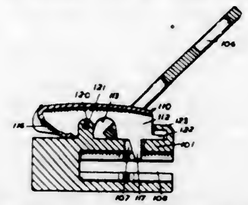
1. A line spacing mechanism for typing machines comprising, in combination, a peripherally toothed ratchet wheel mounted for rotation about a fixed axis through line spacing steps, a spring-returned and one-way driving pawl mechanism mounted for driving strokes on said wheel, a lever mounted for rocking thereof about a fixed axis parallel to the wheel axis, a detent roller journaled on said lever for rotation about an axis fixed relatively to the lever and parallel to the axes of the wheel and lever and to seat in a tooth space of the wheel to exert pressure on the wheel substantially radially inward toward the wheel axis when said lever is rocked in one direction about its axis, spring means connected with the lever to rock it in said one direction, a driving stroke limiting stop for said pawl mechanism pivotally held to said lever for swinging adjustments of the stop about an axis parallel to the axes of the wheel and lever, said stop having a plurality of abutments variably spaced from the pivotal axis of the stop, and adjusting means for selectively swinging said stop about its pivotal axis and maintaining said stop positioned to present any desired one of said abutments for collision therewith of said pawl mechanism on driving strokes of said mechanism and to transmit the collision force to said wheel through said lever and detent roller.

2,599,536

SLIDER FOR SLIDE FASTENERS

Joachim Backer, Whitchurch, Wales, assignor to Aero Zipp Fasteners Limited, London, England, a British company

Application January 18, 1949, Serial No. 71,449
In Great Britain May 7, 1948
3 Claims. (Cl. 24—205.14)



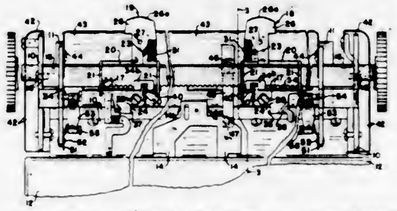
1. An automatically locking slider for a sliding fastener, comprising a slider body, a pull member for operating the slider, and a one-piece locking unit, the said slider body having opposing shields at least one of which is apertured, connected in spaced parallel relationship to each other to form a Y-shaped channel for the passage of opposing scoop carrying stringers of a slide fastener, and an upstanding lug intermediate said one shield of said slider body for pivotally connecting said locking unit to said slider body, the said locking unit comprising an open ended channel shaped attaching member for linking said pull member to said slider body, a flat spring, and a locking finger, said attaching member extending along the one shield and comprising two sidewalls extending in the longitudinal direction of said slider body, and a transverse wall connecting said sidewalls, said locking finger being integral with one of said sidewalls and extending therefrom beyond said one shield toward said other shield, said flat spring being integral with, and projecting from an end of, said transverse wall and being bent to extend into the space between said sidewalls to bear against said one shield, the said flat spring normally biasing said locking unit about its pivot and thereby urging the free end of said locking finger toward said other shield, means operatively connecting said pull member with said attaching member and actuatable, upon exertion of a pull on said pull member, to move the free end of said locking finger away from said other shield against the biasing action of said spring.

2,599,537

ADJUSTABLE MARGIN REGULATING MEANS FOR TYPING MACHINES

Joseph P. Barkdoll, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York

Application May 5, 1950, Serial No. 160,317
10 Claims. (Cl. 197—63)



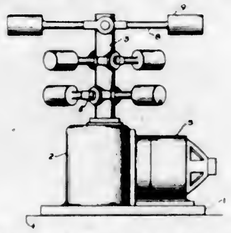
1. A typing machine having, in combination, a stationary main part, a platen carriage ex-

tending and reciprocable transversely of the machine over said main part, a margin stop bar extending transversely of the machine and held to the carriage and having a downwardly facing toothed edge, a sheet metal margin stop having a fore and aft facing main body part and two opposed and parallel end ears normal to said body part, said ears each having an aperture through which said bar extends for supporting the stop for sliding adjustment along the bar, a sheet metal latch facing said body part of the stop and slidably held thereto for up and down reciprocation, said latch having a stop latching lug adjacent the lower end thereof facing said ears and disposed edgewisely of the lug under said bar, a spring engaged with said stop and latch to urge the latch upward and engage the latching lug in a selected tooth space of the toothed edge of the bar, said latch having a finger-contactive upper end above said stop and bar for depression of the latch to release the stop, said stop having a bracing lug for said latching lug extending flatwise under the toothed edge of the bar and in edge contact with one face of said latching lug and one face of one of said stop ears, said stop having a pendant portion below the bar having an abutment face facing in the same direction as said one face of said latching lug, and a counterstop on said main part of the machine for abutment by said abutment face of said pendant part of the stop to arrest movement of the carriage in one direction of its reciprocation.

2,599,538
PROCESS OF DEMULSIFYING
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1951, Serial No. 237,848
3 Claims. (Cl. 252—340)

1. A process for breaking emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including an organic polyester of a dibasic acid and a glycol, in which the glycol is an aliphatic glycol, having not more than 6 carbon atoms and having the carbon atoms joined together by carbon to carbon linkages, and in which the dibasic acid is a dicarboxy acid having less than 8 carbon atoms, and in which the ratio of glycol to dibasic acid residues is in the range of 0.5:1 to 2.0:1.

2,599,539
VIBRATION MEASURING DEVICE
Joseph J. Boyd, Washington, D. C., and Flood Everett Reed, Middlesex County, Mass.
Application May 9, 1946, Serial No. 668,399
7 Claims. (Cl. 73—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



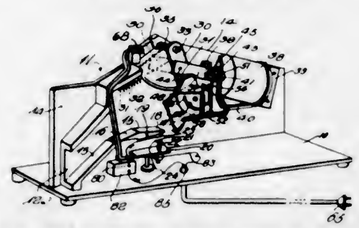
5. A linear periodic vibrational force measuring instrument comprising a base rigidly fixed to a vibrating structure for absorbing linear vibrations therefrom, a shaft mounted on said base for rotation about an axis parallel to the linear vibrations to be damped, at least one pendular mass radially fixed to said shaft for rotation therewith, each of said pendular masses being free to oscillate in a plane always containing the axis of said shaft and thru an arc the center of which is on the axis of said shaft, means for rotating said shaft at a speed corresponding to the frequency of the vibration to be measured and means for measuring the arcuate distance which the pendulums move in each oscillation.

2,599,540
SKATE WHEEL
Victor J. Brown, Newark, N. J., and Harry C. Costello, Massapequa, N. Y.
Application May 28, 1949, Serial No. 95,998
3 Claims. (Cl. 301—5.7)



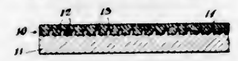
3. In a skate wheel, in combination, a wooden wheel body shaped from wood with the grain running essentially axially of the body, said body having end faces and a central, axially extending opening intersecting said faces, and a metallic bushing comprising a tubular portion seated in the opening and having end flanges overlapping portions of the end faces, said bushing consisting essentially of a body of cast metal intimately engaging the entire surface of the body opening and of the overlapped end face portions and said flanges compressively engaging the wheel body and thereby exerting compression of the latter endwise of its grain between them, said bushing having the intimate and compressive engagement with the wheel body as aforesaid, which is characteristic of a body of metal pressure cast in place, in the configuration of said bushing, said bushing being a single, integral, pressure casting of strong metal having a melting point higher than the charring point of said wood, and said bushing having a wall thickness substantially throughout, of not more than $\frac{1}{16}$th inch.

2,599,541
ELECTRIC ANIMAL TRAP AND REACTIVATOR
Alfred G. Burns, Farmland, Ind.
Application November 3, 1948, Serial No. 58,037
1 Claim. (Cl. 43—75)



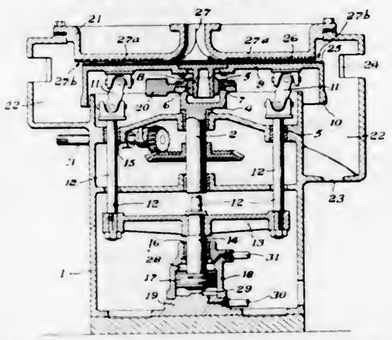
In an automatic everset electrical animal trap wherein a housing embodies an entrance ramp, a rockable platform, a swinging striker arm above the platform and means for imparting intermittent delayed swinging movement to the striker arm comprising an electrical source having a contact engageable by a contact on said rockable platform, a relay in circuit with said last named contact, said relay having a spring tensioned switch arm, a solenoid having a contact engageable by said switch arm, said solenoid further having an armature operatively connected to said striker arm, and a normally closed reactivator switch in circuit with the solenoid and said electrical source, said reactivator switch having a spring member movable upon movement of the armature in one direction to break the circuit to the solenoid and said relay.

2,599,542
ELECTROPHOTOGRAPHIC PLATE
Chester F. Carlson, Woodside, N. Y.
Application March 23, 1948, Serial No. 16,545
5 Claims. (Cl. 95—1.9)



1. An electrophotographic plate comprising a conductive backing plate having a surface characterized by a pattern of alternate projections and depressions, said surface having between 1,600 and 160,000 depressions to the square inch, and a coating of photoconductive insulating material filling said depressions and having a smooth outer face at a height not exceeding 5 mils above said projections.

2,599,543
GYRATORY PROCESSING APPARATUS
James T. Coghill, Rochester, N. Y.. and Harold Sanford Hill, Kenogami, Quebec, Canada, assignors, by mesne assignments, to Curlator Corporation, Rochester, N. Y., a corporation of New York
Application June 6, 1946, Serial No. 674,672
6 Claims. (Cl. 92—26)

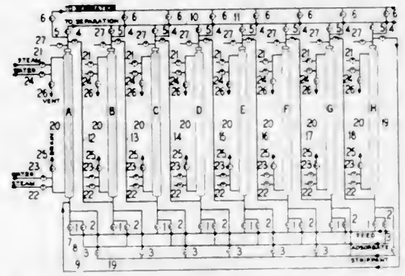


1. In a machine of the character described, a frame, a pair of working plates mounted on the frame which have opposed working surfaces and which are arranged to form therebetween a thin working space, said working surfaces being roughened for tractive contact only with the material in the working space at top and bottom, respectively, of said material, means for pressing one of the plates toward the other to apply a load to the material between them, means for imparting an eccentric gyratory motion to one of the plates about an axis extending in the direction of compression, means for constraining said motion so that all points in the moving working surface trace separate, identical paths relative to the other working surface, one of said plates, at least, being perforated, and ducts for conducting liquid to said perforations.

2,599,544
STABILIZATION OF UNSATURATED ORGANIC MATERIAL-SULFUR DIOXIDE RESINS WITH ELEMENTAL SULFUR OR INORGANIC SULFIDES
Willie W. Crouch and John F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 31, 1951, Serial No. 208,853
18 Claims. (Cl. 260—45.7)

1. In the process of producing a stable olefin-sulfur dioxide resin the step which comprises admixing a material selected from a group consisting of elemental sulfur and an inorganic sulfide with said resin during its preparation.

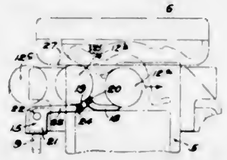
2,599,545
CYCLIC ADSORPTION PROCESS
Clark J. Egan, Piedmont, and John W. Scott, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application December 26, 1947, Serial No. 793,772
22 Claims. (Cl. 196—147)



6. In a process for the separation of liquid mixtures amenable to separation by preferential adsorption of a fraction of the mixture on a solid adsorbent the improved cyclic method, which comprises in each cycle (1) percolating a liquid feed through one group of serially interconnected solid adsorbent mass units constituting a feed separation adsorption zone to separate an adsorbate comprised of the preferentially adsorbable fraction of the feed and a percolate comprised of the residual non-adsorbed fraction of the feed, and (2) passing a stripping liquid through another group of serially interconnected adsorbent mass units constituting a regeneration zone to remove from the adsorbent the adsorbate laid down in previous cycles of operation and to regenerate the adsorbent, simultaneously continuing the flow of the process liquids through said zones until the respective operations occurring in the inlet terminal mass units are complete, and conducting successive cycles of operation by successively regrouping the adsorbent mass units comprised in said zones by altering the liquid flow interconnections therebetween and the points of liquid introduc-

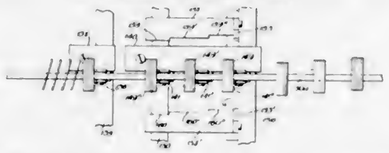
tion to and withdrawal from said units in a manner adapted to cause each of the adsorbent mass units to progress by relative motion countercurrent to the flow of liquid through the zone in which it is initially disposed and through the other zones at a rate of one adsorbent mass unit position per cycle away from its position relative to the liquid outlet of the zone in which it is disposed and to return, in a system of x adsorbent mass units, during the $X+1$ cycle to its initial relative position.

2,599,546
CARTRIDGE POSITIONER
James C. Elms, Altadena, Calif.
Application January 10, 1947, Serial No. 721,330
7 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



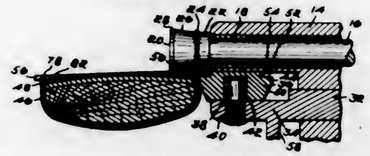
5. A cartridge positioning device for automatic guns including means for moving cartridges into the feedway of the gun and for moving them therefrom into the barrel of the gun, comprising a stationary member removably mounted on the framework of the gun, a pawl having a curved portion, and a link pivotally connected to said member and to said pawl at the curved portion thereof, said pawl being engaged by said cartridges in their movement through said feedway in a direction from said stationary member to said pawl thereby raising the pivotal connection between said pawl and said link upon movement of a cartridge over said pawl in the aforementioned direction and providing a positive stop for the next following cartridge.

2,599,547
MACHINE FOR PACKAGING WIRE FORMS
William F. Feyrer, Englewood, N. J., assignor to Nathan L. Solomon, Englewood, N. J.
Application July 18, 1945, Serial No. 605,680
21 Claims. (Cl. 140—87)



12. In apparatus of the class described employing a product carrier on which individual products are arranged in spaced relationship to each other longitudinally of the carrier, means engaging the products on the carrier to group a predetermined number of said products on the carrier, means operatively engaging grouped products on said carrier for arranging a predetermined number of product groups in predetermined staggered relationship to each other on said carrier, means spaced with respect to said last named means for supporting the grouped products in said staggered relationship and to otherwise support said products preparatory to transfer onto a mounting member, means for delivering and moving a mounting member transversely with respect to said supported, staggered groups of products in transferring the products from said carrier to said member and for the ejection of said member and products thereon from the machine, said last named means comprising a transversely alined mounting member feed station, a product intercepting station and an ejection station, a slide for moving the mounting member from the first to the second and third named stations, said slide including a mounting member supporting a platen movable into different vertical positions at said respective stations, and means at each station for momentarily supporting the slide against movement at each station in shifting the platen into a different vertical position at said stations.

2,599,548
MACHINE FOR THE MANUFACTURE OF SHOES
Walter P. Field, Brockton, Mass.
Application November 9, 1949, Serial No. 126,406
5 Claims. (Cl. 12—51)



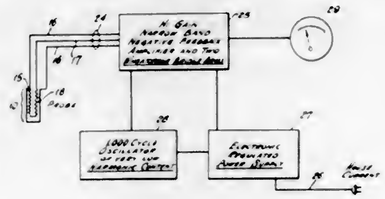
1. A machine for the application of welting to a shoe bottom comprising in combination a positively driven pressure roll rotating on a horizontal axis, a guide member rotatable on a vertical axis, said guide member being shaped at its upper portion to cooperate with said pressure roll to receive and support the outer portion of a welt, said pressure roll extending over the entire width of the welt, said pressure roll having a circular flange or elevated welt guide arranged to cooperate with a corresponding channel in the welt to prevent lateral movement of said welt and a welt tunnel to guide the welt to the cooperating pressure roll and rotary guide member.

2,599,549
PRODUCTION OF ALPHA-CARBALKOXY-ALKYL METHACRYLATES
Charles H. Fisher, New Orleans, La., Edward M. Filachione, Philadelphia, Pa., and Martin L. Fein, Riverside, N. J., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 21, 1950, Serial No. 151,056
3 Claims. (Cl. 260—484)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of producing the methacrylate of methyl lactate which comprises thermally decomposing the acetoxyisobutyrate of methyl lactate at about 450° to 550° C.

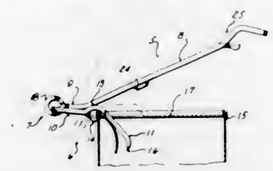
2,599,550
FLUXMETER AND PROBE THEREFOR
Robert Fraser, Great Neck, N. Y.
Application April 27, 1949, Serial No. 89,885
6 Claims. (Cl. 175—183)

1. A fluxmeter probe comprising, in combination, a casing; only two adjacent arms of a Wheatstone bridge circuit mounted in said casing with the effective resistance portions of both being of substantially equal length, approximately the same temperature coefficient of resistivity and substantially the same total electrical resistance in a field of zero flux, one of said arm portions being of a relatively highly magnetically-sensitive metallic material subject to relatively large change in resistance as a function



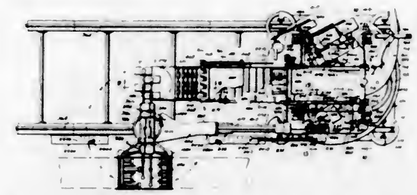
of change of flux in a magnetic field in which it may be located, the other of said arm portions being of another metallic material relatively magnetically-insensitive as to its resistance characteristics; and electrical conductive means providing for connection of said encased arms to the remainder of the Wheatstone bridge circuit and a responsive meter circuit both externally of said casing.

2,599,551
CAN OPENER
Roger Hagen, Plymouth, Wis., assignor to Western Newell Mfg. Co., Freeport, Ill., a corporation of Illinois
Application November 7, 1949, Serial No. 125,881
9 Claims. (Cl. 30—16)



1. A folding can opener for producing a pouring opening in an end wall of a can, comprising: a handle section; a rigid one piece punch section having an attaching end portion and a cutting end portion terminating in a piercing point, said end portions defining an obtuse angle to one another; a fulcrum-forming hook on the punch section at the junction of its two angularly disposed end portions and on the inside of the angle; and a hinge connecting the end of the attaching portion to one end of the handle, the axis of the hinge being crosswise of the handle and the punch section, and the hinge enabling the punch section to be swung from an inoperative position in which the punch section overlies the top of the handle with its piercing point facing the handle to be guarded thereby to an operative position in which the back of the punch section bears against the underside of the handle with its fulcrum-forming hook in position to hook under the rim of a can bounding the end wall in which a pouring opening is to be produced and its cutting end in position to pierce the end wall and cut a pouring opening therein upon the application of force on the handle toward the can.

2,599,552
BRICKLAYING MACHINE
Elbert L. Harney, Chicago, Ill.
Application November 30, 1945, Serial No. 631,858
47 Claims. (Cl. 72—129)



1. In combination, a carriage, boom means projecting laterally from said carriage, a bricklaying element on said boom means, said element including an arm, pivot means mounting said arm on said boom means, holding means on said arm for engaging and releasably holding a brick, means on said boom means for supplying brick to be laid by said element, said arm being adapted to swing so as to carry said holding means from adjacent said brick supply means to a position in which said holding means extend outwardly from the boom means to a bricklaying position, and means for controlling said element.

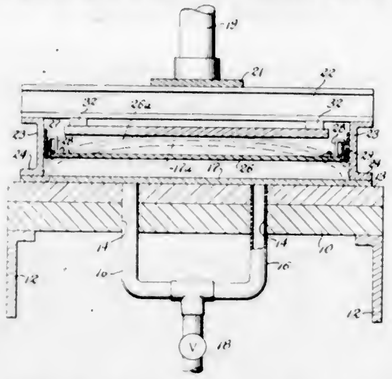
2,599,553
COMPLEX ALUMINUM SOAP
Bruce W. Hotten, Richmond, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 17, 1950, Serial No. 144,850
8 Claims. (Cl. 260—414)

1. An aluminum soap having at least two unlike organo anions, one organo anion derived from an organic acid the aluminum di-soap of which acid is characterized by a white oil solubility of at least 5% at 400° F., and another organo anion derived from an organic acid the aluminum di-soap of which acid is characterized by a white oil solubility of less than 1% at 400° F.

2,599,554
DEVICE FOR FORMING BOWED FACE PLASTIC PANELS
James A. Howenstine, Lima, Ohio, assignor to Neon Products, Inc., Lima, Ohio, a corporation of Ohio
Application December 30, 1949, Serial No. 136,116
5 Claims. (Cl. 18—19)

2. In a device for forming a sheet of plastic material into a panel having a bowed face, the combination of a table having a face for supporting a sheet of plastic material, a ram advanceable toward and away from the face of said table, a peripheral rim carried by said ram adapted to engage and hold edges of the sheet of plastic material against the face of the table, a plate of resilient material carried by said ram inside the rim of the ram, means on the ram for holding edges of said resilient plate substantially parallel to the face of the table and spaced a predetermined distance from the rim of the ram, means for projecting fluid under pressure through said table and against a face of the sheet of plastic material into engagement with the resilient plate and cause the resilient plate to be deformed away from the table, whereby the sheet of plastic material is formed into a panel having a bowed face conforming to the deformed resilient plate, and a

stop plate attached to said ram parallel to the face of the table inside the rim of the ram and on the opposite side of the resilient plate from



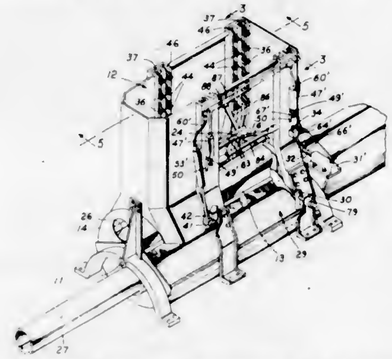
the table, the stop plate being spaced from the resilient plate when the resilient plate is released, the stop plate being adapted to limit the deformation of the resilient plate.

2,599,555

AIRCRAFT ROCKET LAUNCHER

Percy F. Hurt, United States Navy, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy

Application March 11, 1946, Serial No. 653,693
7 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



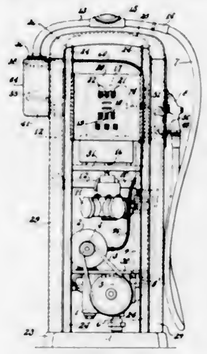
1. A rocket launcher comprising a magazine for projectiles, a firing chamber pivotally mounted adjacent said magazine, means for imparting oscillatory motion to said firing chamber, feeding means including a carrier slidably mounted for reciprocating motion in the magazine, a first group of pawls pivotally mounted in said carrier, a slide carried by the magazine adjacent said firing chamber and movable from an initial position in the magazine to an advanced position within the firing chamber, and positioning means including a second group of pawls pivotally mounted on said slide; the combination of a first displacing means for moving said first group of pawls, a second displacing means for moving said second group of pawls, means for delaying operation of said second displacing means until said first displacing means has reached a predetermined position, and means operative when said second displacing means reaches a predetermined position to release said first displacing means for movement to its initial position.

2,599,556

CONTROL AND RESETTING MECHANISM FOR FLUID DISPENSING APPARATUS

Irving C. Jacobs, Longmeadow, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application September 27, 1949, Serial No. 118,084
13 Claims. (Cl. 222—32)



1. In a fluid dispensing apparatus, having a delivery conduit including a flexible hose having a nozzle on its delivery end, means for forcing fluid through said conduit, a meter interposed in said conduit for measuring the fluid dispensed, a register driven by the meter for indicating the amount of fluid dispensed and having a shaft operable when turned in one direction to a predetermined angular extent to reset the register, and a casing enclosing the aforesaid elements except for the hose and nozzle, a control member located outside said casing and movable back and forth between first and second positions in which it is respectively operable to start and stop said fluid forcing means, a driving member connected to said shaft and movable step by step in one direction to turn such shaft in the first-named direction, the length of each step of movement of said driving member being that necessary to turn said shaft through said predetermined angular extent; and an actuator connected to said control member to move back and forth therewith and connected to said driving member to move the latter in said one direction only, by one such step and during the movement of the control member from its first to its second position, each such step being completed when and only when the control member moves into said second position.

2,599,557

PROCESS FOR MAKING ORGANOTIN HALIDES

Ernest W. Johnson, Mountainside, and James M. Church, Tenafly, N. J., assignors to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey

Application March 24, 1948, Serial No. 16,698
6 Claims. (Cl. 260—429)

5. Process for making diaryl tin dihalide which comprises: heating a mixture comprising aryl tin trihalide and triaryl tin halide to produce diaryl tin dihalide, reducing the pressure on the reaction mixture, continuing the heating to coincidently distill said dihalide and said trihalide, collecting the distillate and heating it to distill off the trihalide from the dihalide, and returning the trihalide to the reaction mixture.

2,599,558

METHOD OF REGENERATING ANION EXCHANGE MATERIALS AND COMPOSITION THEREFOR

Walter Juda, Cambridge, and Morris Carron, Boston, Mass., assignors, by mesne assignments, to Ionics, Incorporated, Cambridge, Mass, a corporation

No Drawing. Application September 25, 1947, Serial No. 776,144
7 Claims. (Cl. 260—96)

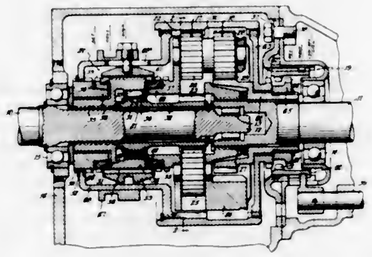
1. Method of treating anion exchange materials, a localized top portion of which is in combination with an acid which forms an insoluble salt with an alkaline earth metal and a lower portion of which is in combination with an acid which forms soluble salts with alkaline earth metals, to regenerate the same to basic form, comprising the step of circulating an aqueous solution of alkaline earth metal hydroxide upward through said anion exchange material.

2,599,559

TRANSMISSION

Donald W. Kelbel, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application October 23, 1947, Serial No. 781,551
10 Claims. (Cl. 74—760)



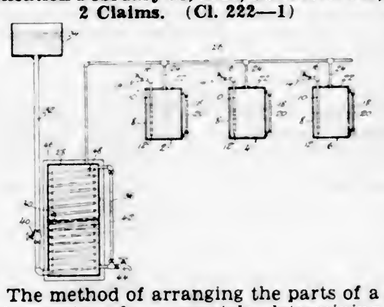
1. A transmission comprising input and output shafts, planetary gear mechanism operatively connected between said shafts and adapted to provide a plurality of variable speed ratios, said mechanism comprising first and second sun gears, a ring gear, meshing planet pinions one in mesh with said first sun gear and the other in mesh with said ring gear, a planet gear rotatable with one of said planet pinions and meshing with said second sun gear, a common carrier for said planet gear and pinions and connected to said output shaft, a one-way coupling connecting said first sun gear with said input shaft, means for holding said second sun gear against rotation to establish a power train including said one-way coupling providing one of said speed ratios, and means for connecting said input shaft to said ring gear to establish a power train providing the other speed ratio when said holding means is operative.

2,599,560

METHOD OF AND APPARATUS FOR ARRANGING THE PARTS OF A LIQUID DISPENSING SYSTEM FOR DETERMINING THE AMOUNT OF LIQUID WITHDRAWN THEREFROM

Joseph F. Ketterer, Trenton, N. J.

Application February 13, 1946, Serial No. 647,329
2 Claims. (Cl. 222—1)



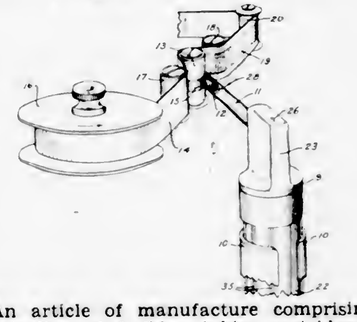
2. The method of arranging the parts of a dispensing system for accurately determining the amount of liquid withdrawn therefrom which comprises the steps of providing a plurality of dispensing containers and liquid in each of such dispensing containers, indicating the amount of liquid dispensed from each container, further providing a measuring chamber and a measuring liquid in such chamber, indicating the total amount of liquid withdrawn from all of the dispensing containers, establishing a wholly closed, rigid and unyielding system of communication between the dispensing containers and measuring chamber, to thereby maintain an unvarying volume throughout said system, trapping a fluid in said unvarying system of communication between and in contact with the measuring liquid in the measuring chamber and the liquid in said containers, controlling the temperature of said trapped fluid to maintain the volume of said trapped fluid constant, providing for free and open communication between a measuring liquid source of supply and the measuring chamber so as to attain a substantially constant flow of such measuring liquid, to thereby maintain a substantially constant liquid pressure on the trapped fluid in the measuring chamber and also replacing measuring liquid in said measuring chamber in an amount equal to the amount of liquid dispensed from said containers.

2,599,561

APPARATUS FOR INKING RIBBONS

John P. Knight, Detroit, Mich.

Application November 12, 1947, Serial No. 785,253
9 Claims. (Cl. 118—268)



1. An article of manufacture comprising, a hermetically sealed ribbon inking cartridge hav-

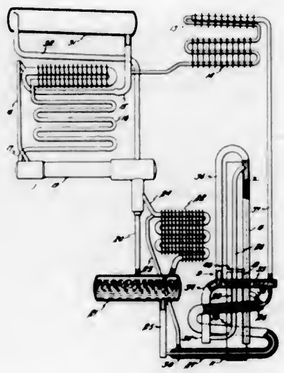
ing a sealing cap provided with a laterally extending tube and a detachable vent at the uppermost extremity of the cap, a supply of liquid ink confined within said cartridge below said cap under partial vacuum, a wick having one end immersed within the ink and its opposite end confined within said tube, and a detachable closure for the free end of the tube, the free end of said tube within said closure being formed to expose the side of the wick when said closure is removed.

2,599,562

ABSORPTION REFRIGERATION APPARATUS

Wilhelm Georg Kögel, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden

Application November 26, 1947, Serial No. 788,177
In Sweden November 28, 1946
4 Claims. (Cl. 62—119.5)



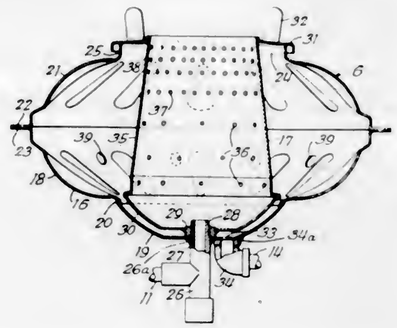
1. In absorption refrigeration apparatus having a refrigerant vapor supply line, a circuit for circulation of absorption solution including an absorber and a vapor expulsion unit comprising an upright heating tube having a lower heat input end, a vertically extending pipe which serves as a boiler vessel and is in communication with said vapor supply line, conduit means for conducting solution from said vapor expulsion unit to the inlet of said absorber including a lift tube having the lower end thereof communicating with the lower part of said pipe, said pipe and lift tube and heating tube being disposed alongside one another and extending together as a group or cluster in an upward direction to a region at least as high as the upper end of said lift tube, said pipe and lift tube being in thermal relation with the exterior of said heating tube, conduit means connecting the outlet end of said absorber and said pipe at one level which is intermediate the ends of the latter for flowing solution by gravity in an unbroken stream from the absorber outlet through said pipe into the lower end of said lift tube and forming a liquid column in said pipe having a liquid surface above said one level, and vapor conducting means to conduct vapor generated in said vapor expulsion unit to a region of said pipe below said one level and above the connection of said lift tube thereto for flowing vapor in intimate contact with absorption solution in a part of said pipe which serves as an analyzer, said last-mentioned analyzer part of said pipe essentially forming a part of said group or cluster.

2,599,563

VAPORIZING TYPE OIL BURNER FOR BROODERS AND THE LIKE

Jacob T. Landgraf, Freeport, Ill., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota

Application November 10, 1947, Serial No. 785,093
5 Claims. (Cl. 158—91)



1. In a burner assembly of the type in which liquid fuel is delivered onto the hot bottom of a burner and vaporized on said bottom and the vapors are mixed with air admitted to the burner at elevations above the bottom and the combustible mixture so formed burns more or less within the burner so that radiant heat from the combustion vaporizes liquid fuel in the bottom portion of the burner, the combination of a burner comprising a dished bottom and a perforated, open ended, hollow shell extending upwardly from the rim of said burner bottom, an enclosing and supporting drum for said burner which is open at the central portion of the top for escape of burning gases and products of combustion from the upper end of the burner shell and is generally of oblate spheroidal shape and large in diameter in relation to the burner shell and has air inlet holes provided in the lower hemisphere thereof, said lower hemisphere portion of said drum having a dished central bottom portion of slightly larger diameter than the dished bottom of said burner in which the latter is received in closely spaced relation so as to be substantially shielded from air currents in said drum while allowing drainage of overflow liquid fuel from said burner into the dished bottom portion of the drum in the event the flame in the burner is extinguished, means for delivering liquid fuel into the dished bottom of the burner, an overflow drain pipe communicating with the bottom of the dished bottom portion of said drum, the burner shell being secured at its lower end to the dished burner bottom and extending up to the approximate level of the open top of said drum, said shell being tapered upwardly and its smaller open upper end being disposed centrally of the opening in the top of said drum, and a closure ring around the top of the burner shell projecting radially outwardly therefrom closing the opening in the top of said drum, the opening in the top of said drum being slightly larger in diameter than the bottom portion of the burner and the burner being removable from said drum through said opening.

2,599,564

ESTERS OF POLYGALACTURONIC ACID METHYLGLYCOSIDE AND SALTS THEREOF

John Lee, Essex Fells, and Leo Berger, Nutley, N. J., assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J., a corporation of New Jersey

No Drawing. Application February 25, 1950, Serial No. 146,394
8 Claims. (Cl. 260—209.5)

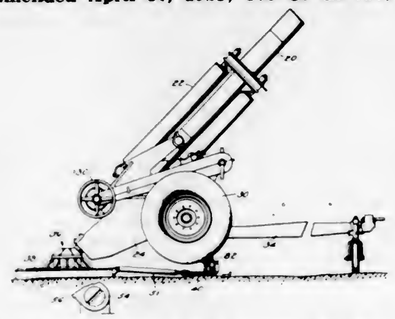
1. As a substantially non-toxic blood anticoagulant, a compound selected from the group consisting of substantially fully sulfated polygalacturonic acid methylglycoside, substantially fully sulfated polygalacturonic acid methylester methylglycoside, salts of substantially fully sulfated polygalacturonic acid methylglycoside, and salts of substantially fully sulfated polygalacturonic acid methylester methylglycoside.

2,599,565

TRAVERSING MECHANISM FOR MORTARS

Dudley M. Lontz, Cincinnati, Ohio

Application June 7, 1946, Serial No. 675,123
6 Claims. (Cl. 89—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In combination with a mobile artillery carriage mounted on an axle and rotatable about a base plate as a center, an arcuate track laid concentric with the base plate, a swivel mounted adjacent either end of the axle, a screw-threaded jack pivotally secured to each of said swivels and arranged for movement between a stowed position parallel to the longitudinal axis of the axle and an operative position in a plane normal to said stowed position, roller means on the free end of each of said jacks engageable in the operative position thereof with said track, means on the axle engageable with said jacks for retaining the latter in their operative position, and means for manually extending said jacks to lift the axle and thereby the carriage off the ground to permit traversing movement thereof along said arcuate track, each of said jacks being individually actuable to cross-level the carriage relative to the ground on which said track is laid.

2,599,566

CHROME-MAGNESIA REFRACTORIES

Ralph Joseph Magri, Jr., Lynchburg, Va., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware

No Drawing. Application June 27, 1951, Serial No. 233,945
16 Claims. (Cl. 106—59)

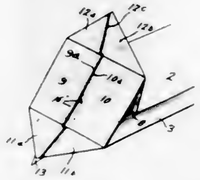
1. A fused refractory material comprising a chrome-containing spinel and a crystalline solid solution of ferrous oxide in magnesium oxide, said refractory material analytically containing 5 to 25% FeO, 25 to 78% MgO, 5 to 25% Al_2O_3, and 12 to 50% Cr_2O_3, the total of such oxides amounting to at least 82%, the ratio of the mols of FeO and MgO to the mols of Al_2O_3 and Cr_2O_3 being at least 2.2.

2,599,567

BAG BOTTOM STRUCTURE

Harold E. McCrery, Dayton, Ohio, and Albert E. Jesser, Alhambra, Calif., assignors to Plyfiber Container Company, Garwood, N. J., a corporation of New Jersey

Application December 28, 1944, Serial No. 570,060
10 Claims. (Cl. 229—57)



1. A flexible bag container, comprising a single integral blank of flexible material rolled upon itself and connected end to end to form a tubular body, including opposite rectangular side panels and intermediate inwardly folding plaits, parallel and intersecting fold lines defining said panels and plaits, upon which the tubular body may be contracted into a flat compact form, a multi-thickness bottom therefor, including a pair of substantially equal rectangular bottom panels disposed in marginally abutting relation and flexibly connected with opposite side wall areas of the tubular body coincident with the inwardly folding plaits thereof, opposing groups of triangular gores intermediate the flexibly connected bottom panels, each group including a larger triangular gore flexibly connected with the tubular body coincident with a rectangular side panel thereof and two smaller triangular gores of unequal size, one margin of each of which is flexibly connected with the margin of the larger triangular gore, and another margin of each of which is flexibly connected with one end of one of the rectangular bottom panels, said smaller triangular gores of each group being foldable into marginally abutting relation beneath the larger triangular gore of the same group, said abutting margins of the smaller gores of the respective groups when so folded being offset in opposite directions out of bisecting relation with the corresponding larger triangular gore, the construction and arrangement being such that when folded into overlapping parallel relation with the rectangular bottom panels, the abutting marginal edges of one pair of smaller triangular gores will be disposed in spaced relation at one side of the abutting marginal edges of the bottom panels, and the abutting edges of the other pair of said smaller triangular gores will be disposed in spaced relation at the opposite side of the abutting marginal edges of the bottom panels, said folded triangular gores being adhesively attached to the marginally abutting bottom panels to seal the joint therebetween.

2,599,568

GAS DISENGAGING COMBINATION FOR CATALYTIC CONTACTING APPARATUS

Dwight D. McKinney, Drexel Hill, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application December 31, 1947, Serial No. 795,051
4 Claims. (Cl. 23—288)



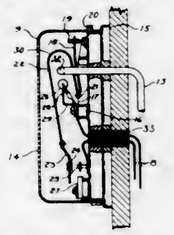
1. In gas-solid contacting apparatus, the combination of a housing adapted to be traversed by gravitating contact material and gas, a circumferentially complete porous member inclined downwardly from the lower interior surface of said housing and forming a circumferentially complete chamber therewith, an upwardly tapered conical porous baffle disposed substantially concentrically with respect to the vertical axis of said reaction housing within the chamber defined by said circumferentially complete member and defining therewith the boundaries of a passageway into which the contact material converges during gravitational movement thereof, a plurality of vertically spaced apart obstructions to flow on the upper surfaces of both said circumferentially complete member and said conical baffle, and means for the passage of gas, which means communicates with the exterior of the housing, with the contact material, and includes said chamber.

2,599,569

APPARATUS FOR MODIFYING THERMOSTAT OPERATION

Gordon McLarty, Battle Creek, Mich.

Application May 20, 1948, Serial No. 28,244
3 Claims. (Cl. 200—122)



1. The combination of a thermostat assembly for controlling the temperature in a room or the like and having an electric circuit with a heat actuated member as part of same, an electrically operated heater, electric circuit connections which operably join said heater in the electric circuit of said heat actuated member, and a separate tubular means extending between the thermostat and outside atmosphere for continuously flowing air in varying but unobstructed and predetermined unidirectional manner through said thermostat assembly to the outer atmosphere in the presence of varying atmospheric conditions for controlling the effect of said heating means on the operation of said heat actuated member.

2,599,570

MOLDING COMPOSITION SUITABLE FOR PHONOGRAPH RECORDS COMPRISING TOUGH POLYVINYL ACETAL RESIN AND PETROLEUM-HYDROCARBON INSOLUBLE RESINOUS WOOD EXTRACT

George F. Metz, Diamond Point, N. Y., assignor to Shawinigan Products Corp., New York, N. Y., a corporation of New York

No Drawing. Application April 30, 1945, Serial No. 591,233
14 Claims. (Cl. 260—23)

1. A heat and pressure-moldable composition suitable for the manufacture of heat and pressure-molded phonograph records, and comprising a uniform mixture of (1) a tough and horny polyvinyl acetal resin obtained from a polyvinyl acetate of a viscosity of at least 7 centipoises (measured at 20° C. in a benzene solution containing 86 grams of the polyvinyl acetate per liter) and hydrolyzed to the extent of at least 80%, followed by reaction with an aldehyde, (2) about 25% to 125% by weight, based on the weight of said resin, of a petroleum hydrocarbon-insoluble, aromatic hydrocarbon-soluble, resinous pine wood extract, (3) about 2½ to 15%, based on the weight of the acetal resin, of a metal soap, and (4) a small proportion of wax, said acetal resin having a higher softening point than said pine wood extract and such softening point being reduced by the pine wood extract.

2,599,571

PULPING WOOD WITH SODIUM CARBONATE-LIME SOLUTION

Huguenin Miller, Watervliet, Mich., assignor to Watervliet Paper Company, Watervliet, Mich., a corporation of Michigan

No Drawing. Application January 16, 1946, Serial No. 641,641
2 Claims. (Cl. 92—13)

1. The process of pulping deciduous wood chips, which consists of impregnating the chips with a solution of sodium carbonate having a concentration of approximately 6% by immersing the chips in the solution in a closed vessel, heating in the closed vessel by admission of steam thereto for a period of approximately 90 minutes to raise the temperature of the chips to about 10° F. above the boiling point of water at atmospheric pressure plus the hydrostatic head to which the chips are subject while being heated and venting the vessel at intervals during such heating to release the air therefrom while maintaining pressure therein, and at the end of such chip heating period releasing the pressure within the vessel rapidly to approximately atmospheric pressure, allowing the chips to soak for impregnation at a temperature below boiling temperature for approximately 20 minutes during which period fluid is admitted sufficient to maintain substantially atmospheric pressure within the vessel, drawing off the sodium carbonate solution in excess of that impregnating the chips, immersing the impregnated chips in a water suspension of lime containing lime in excess of the amount required for causticizing reaction within the chips of the sodium carbonate impregnating the chips, such excess of lime being sufficient to react with the sodium carbonate within the chips, and to remain in excess throughout the subsequent cooking period and while the chips are so immersed, cooking the chips for a period of approximately seven hours at approximately 280° F. to render the fibres readily separable by mechanical means without substantially reducing the lignin content of the wood, and washing in water, and then mechanically separating the fibres.

2,599,572

ALKALINE PULPING OF PREIMPREGNATED DECIDUOUS WOOD

Huguenin Miller, Watervliet, Mich., assignor to Watervliet Paper Company, Watervliet, Mich., a corporation of Michigan

No Drawing. Application February 1, 1946, Serial No. 645,005
3 Claims. (Cl. 92—13)

1. The process of pulping deciduous wood chips which consists of impregnating the chips with a solution of sodium hydroxide having a concentration of approximately 5% by immersing the chips in the solution in a closed vessel, heating in the closed vessel by admission of steam thereto for a period of approximately 90 minutes to raise the temperature of the chips to about 10° F. above the boiling point of water at atmospheric pressure plus the hydrostatic head to which the chips are subject, and venting the vessel at intervals during such heating to release the air therefrom while maintaining pressure therein, and at the end of such chip heating period releasing the pressure within the vessel rapidly to approximately atmospheric pressure, soaking the chips for impregnation at a temperature below boiling temperature for approximately 20 minutes during which period fluid is admitted sufficient to maintain substantially atmospheric pressure within the vessel, drawing off the sodium hydroxide solution in excess of that impregnating the chips, immersing the impregnated chips in a water suspension of lime sufficient to maintain an excess throughout the subsequent cooking period and while the chips are so immersed, cooking the chips for a period of approximately 7 hours at approximately 280° F. to render the fibres readily separable by mechanical means without substantialy reducing the lignin content of the wood, and washing in water, and mechanically separating the fibres.

2,599,573

METHOD OF MAKING FLEXIBLE RESINOUS REPLICAS

Clare L. Milton, Jr., Roslyn Heights, N. Y., and Carl A. Nielson, Takoma Park, Md., assignors to the United States of America as represented by the Secretary of the Army

No Drawing. Application April 7, 1949, Serial No. 86,107
5 Claims. (Cl. 18—47.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

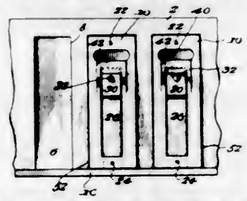
1. The process of making flexible, resinous replicas of a model object, which comprises producing a hollow negative of the object by introducing the object into a fluid gellable alginate investment material which on gelling produces calcium alginate, heating the investment material with the object therein until the said material gels around the object, and withdrawing the object from the gelled alginate investment to leave an impression of the object therein as a hollow duplicating negative of the object, introducing into the said negative a resinous composition composed of a resinous dispersion of a vinyl chloride polymer in a non-polymerizing plasticizer for the vinyl chloride polymer, and a polymerized resin that is soluble in the said plasticizer compatible with the vinyl chloride polymer, and having a molecular weight of not less than 40,000, the said vinyl chloride polymer containing between 93 per cent and 99 per cent of vinyl chloride, the resinous composition having a gelation temperature of from approximately 65° C. to approximately 85° C., and heating the resinous composition in the said negative impression to gelation temperature until the said composition is gelled on the surfaces of the impression, and removing the resulting gelled positive replica of the object from the negative impression.

2,599,574

REED FOR WIND INSTRUMENTS

Anthony Montenare, Reading, Pa.

Application December 23, 1949, Serial No. 134,697
10 Claims. (Cl. 84—375)



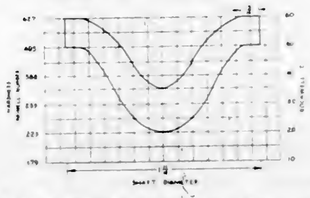
1. A reed for wind instruments comprising a reed block, a tongue having ends, one of which ends being fixed in said reed block and the other end being free, said tongue extending substantially medially along the longitudinal axis of said reed block and said reed block having sloping sides on both sides of said tongue, said sides forming passages varying in width from the fixed to the free end of the tongue.

2,599,575

SHAFT

Mathew B. Morgan, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application February 14, 1945, Serial No. 577,756
4 Claims. (Cl. 64—1)



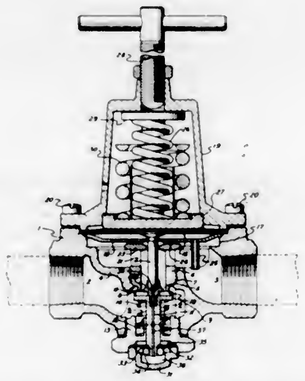
1. As a finished article of manufacture, a heat treated solid plain medium carbon steel drive shaft of high ductility and improved resistance to torsional fatigue having a carbon content of approximately .38 to .50 percent, a relatively shallow annular exterior region with a substantially constant hardness throughout of approximately

50 to 60 Rockwell C and an interior gradually decreasing in hardness from said region toward a materially lower hardness of approximately 20 to 35 Rockwell C at the center region of the shaft.

2,599,576
ADHESIVE SHEET OR TAPE
Vlon Nellan Morris, Highland Park, Charles Leslie Weidner, Cranbury, N. J., and Laszlo Walter Eger, East Hampton, Conn., assignors to Industrial Tape Corporation, a corporation of New Jersey
No Drawing. Application January 27, 1949, Serial No. 73,214
9 Claims. (Cl. 117—68.5)

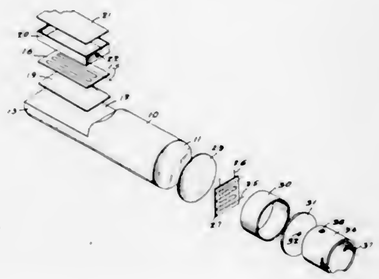
1. A normally tacky pressure-sensitive adhesive sheet comprising a pressure-sensitive adhesive having, as one of its basic constituents, a material selected from group consisting of polyvinyl ethers, polyvinyl acetals, and polyethyl acrylate, united directly on one surface of a flexible non-fibrous backing film, and a flexible adhesive-repellent film united onto the other surface of said backing, such adhesive repellent film comprising about one hundred parts by weight of a material selected from the group consisting of methyl cellulose and cellulose acetate, and about fifty to two hundred parts by weight of an agglutinant selected from the group consisting of polyvinyl alcohol, casein, carboxymethylcellulose and glue.

2,599,577
BALANCED FLUID PRESSURE REGULATING VALVE
Carl A. Norgren, Denver, Colo., assignor to C. A. Norgren Co., Denver, Colo., a corporation of Colorado
Application October 8, 1947, Serial No. 778,707
5 Claims. (Cl. 50—20)



1. A fluid pressure regulating valve comprising a hollow body divided by a wall into inlet and outlet chambers, said wall having formed therein a valve port, a valve for the port, a round stem on the valve having an axial bore and a counter bore at its upper end, a plug removably secured in the body below the port having a polygonal bore for the valve stem and a lower external counter bore, a diaphragm sealed to the end of the stem within the counter bore defining a chamber, a second plug removably securing the diaphragm in the second bore and defining therewith a second chamber communicating with the axial bore in the valve stem, a fitting in the counter bore of the valve stem having a tapering external surface and a central bore, said fitting being disposed within the valve port for reducing the pressure on said diaphragm by a Venturi action of fluid flowing through the port when said valve is open, a push rod fitting loosely at one end into said fitting, a second diaphragm against the opposite end of the push rod and extending across an opening in said body, a bonnet on the body extending across the opening and diaphragm, and resilient means in the bonnet for urging the diaphragm downwardly against pressure in the outlet chamber.

2,599,578
DEVICE FOR MEASURING THE CHANGE OF STRAIN IN A SOLID MEDIUM
Leonard Obert, Silver Spring, and Wilbur I. Duvall, Greenbelt, Md.
Application November 17, 1950, Serial No. 196,334
1 Claim. (Cl. 73—88.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

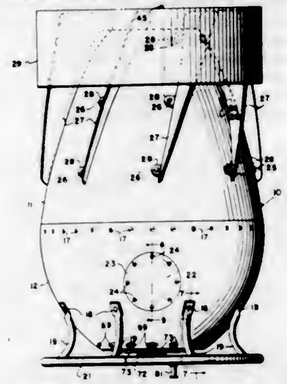


In a device for measuring strain in a solid medium, a core of physical properties similar to those of the solid medium, said core having two mutually perpendicular surfaces, an electrostatically shielded strain element firmly secured to the first of said surfaces and being so positioned as to be responsive to strain in a direction perpendicular to the plane of the second of the said surfaces, two strain elements positioned to be responsive to strains in the same plane but in mutually perpendicular directions firmly secured to the second of said surfaces and enclosed in an electrostatic shield, means responsive to strain in said elements.

2,599,579
STREAMLINE DEPTH CHARGE
Robert H. Park, Pluckemin, N. J., Arthur G. Russell, Arlington, Va., Waldron S. Macdonald, Westgate, Md., and Robert R. Crookston, Washington, D. C.
Application February 1, 1943, Serial No. 474,346
13 Claims. (Cl. 102—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

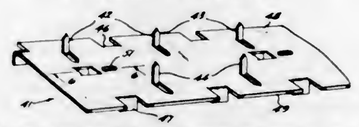
3. In a depth charge of the character disclosed adapted to sink vertically within a body of water, a nonmetallic casing for the depth charge having a pair of opposedly connected balanced pickup coils therein and comprising two separable sections, means for securing said sections together,

and means for causing said sections to be rotated continuously about an axis concurrently with the



endwise movement of said casing downward through the water along said axis.

2,599,580
MARGINAL SECURING STRIP FOR CARPETS
John M. Paterson, Glendale, and George M. Paterson, Los Angeles, Calif.
Application June 24, 1949, Serial No. 100,986
6 Claims. (Cl. 16—16)



1. As a new article of manufacture, a marginal securing device for carpet, comprising an elongated strip, a plurality of prongs upstanding therefrom, each of said prongs having a carpet-penetrating point on its upper end, and feet associated with one of the lateral edges of said strip, each of said feet being severed from said strip along two opposed edges of that foot and being deflected vertically downwards from the plane of said strip to support the associated edge of said strip in elevated position above the surface engaged by said feet, all of said feet being aligned in a plane parallel to and offset inwards from this edge of said strip thereby providing an abutment for an edge of carpet turned under said strip.

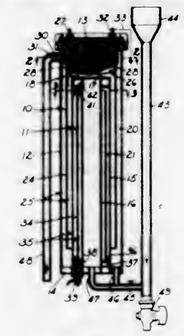
2,599,581
CEMENTS FOR ATTACHING SHOE SOLES
John L. Perkins, Arlington, and Edwin E. Sylvester, Brookline, Mass., assignors to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
No Drawing. Application April 2, 1948, Serial No. 18,706
3 Claims. (Cl. 260—28.5)

1. A heat activatable cement comprising 100 parts by weight of a butadiene-acrylonitrile copolymer rubber containing from 25% to 45% of acrylonitrile, from 10 to 30 parts by weight of basic zinc carbonate, from 10 to 50 parts by weight of a resinous chlorinated paraffin hydrocarbon having a chlorine content of from 42% to 72% and having a molecular weight between 500 and 1060, and from 70 to 125 parts by weight of a copolymer of vinyl chloride and vinyl acetate containing from 85% to 90.5% of vinyl chloride.

2,599,582
METHOD FOR PRODUCING IMPREGNATED CARBON BRUSHES
Melville F. Peters and Anne B. Peters, Newark, N. J.
No Drawing. Original application August 3, 1945, Serial No. 608,826. Divided and this application April 15, 1948, Serial No. 21,306
3 Claims. (Cl. 117—121)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of impregnating porous carbon brushes with lead iodide comprising soaking them in lead acetate solution, then soaking them in a solution of bismuth iodide so as to precipitate lead iodide within the pores.

2,599,583
METHOD AND APPARATUS FOR TESTING SUSPENSIONS
Robert A. Robinson, Long Beach, and William F. Eberz, Altadena, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application November 15, 1946, Serial No. 709,948
12 Claims. (Cl. 175—183)

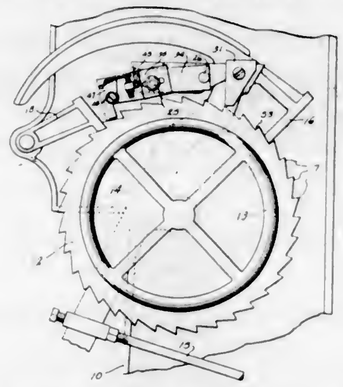


1. A method for testing oil-continuous emulsions containing dispersed droplets of liquid to determine the amount of dispersed liquid present in the continuous oil phase, which method involves the use of spaced electrodes providing a test space therebetween, said method including the steps of: mixing said emulsion to further subdivide said dispersed droplets of liquid and stabilize said emulsion against coalescing and settling of the resulting droplets when subjected to a high frequency electric field; disposing the mixed emulsion in said test space; and measuring the capacitive reactance of said emulsion in said test space as a measure of the amount of dispersed liquid in said oil phase by impressing on the emulsion in said test space a high frequency electric field.

2. A method for testing oil-continuous emulsions containing dispersed droplets of liquid to determine the amount of dispersed liquid present in the continuous oil phase, which method involves the use of spaced electrodes providing electrically conducting surfaces bounding a test space, said method including the steps of: subjecting a stream of said emulsion to an intensive mixing action to reduce the particle size of said dispersed droplets of liquid; continuously flowing the resulting stream of emulsion into one portion of said test space and from another portion of said test space, said emulsion flowing through said test space in bridging relationship with said conducting surfaces; applying to said electrodes

a high frequency alternating potential, said mixing of said emulsion before it enters said test space aiding in stabilizing said emulsion to prevent substantial separation of said dispersed droplets of liquid from said oil phase while in said test space; and measuring changes in capacitive reactance of said emulsion in said test space as a measure of change in the amount of dispersed liquid in said emulsion.

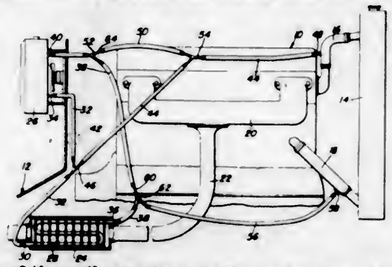
2,599,584
PICK WHEEL OPERATED LOOM STOP MOTION MECHANISM
Ludlum H. Rockwell, Bloomsburg, Pa.
Application August 4, 1950, Serial No. 177,654
4 Claims. (Cl. 139—339)



1. In combination with a loom having a frame, a pick wheel journaled on said frame and provided with peripheral ratchet teeth, means engageable with the pick wheel teeth for imparting step by step rotational movement to said pick wheel, means engageable with said pick wheel teeth as each step is completed to hold said pick wheel against return movement, pick wheel operated switch mechanism for stopping the loom motion upon failure of said pick wheel to complete a full rotational step comprising a bar pivotally mounted on the loom frame and disposed adjacent the periphery of said pick wheel, a detent on said bar engaging said ratchet teeth and dropping into the spaces between adjacent teeth as said pick wheel rotates, a fixed contact carried by said bar adjacent said detent, a switch arm pivotally mounted on said bar and carrying a movable contact complementary to said fixed contact, and a spring connected between said bar and said switch arm resiliently urging said movable contact away from said fixed contact, said arm including a portion extending along said detent and projecting from one side of the latter for engagement by said ratchet teeth to move said movable contact into engagement with said fixed contact upon reverse rotational movement of said pick wheel.

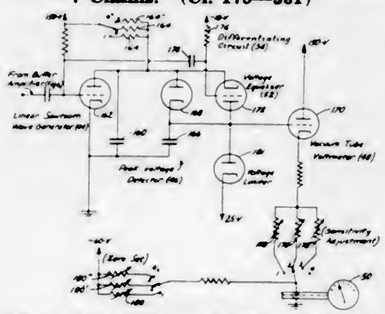
2,599,585
VEHICLE BODY HEATER
Elmer D. Rohen, Holland, Mich.
Application February 14, 1950, Serial No. 144,144
1 Claim. (Cl. 237—12.3)

In combination with a vehicle including a body, and an internal combustion engine having an exhaust system for products of combustion and a water cooling system including a radiator and hot and cold water hoses connecting said radiator to the engine, a body heating apparatus comprising a heater unit positioned in said body and having water inlet and outlet ports, a heat absorbing coil mounted within said exhaust system and having inlet and outlet ports, a hot water tube extending from the outlet port of said coil to the inlet port of said heater unit, a cold water tube extending from the outlet port of the heater unit to the inlet



port of the coil, a water supply conduit connecting said cold water tube to the hot water hose of said radiator, a by-pass conduit connecting said hot water tube to the cold water hose of the radiator, a valve on said hot water tube for diverting water flowing therethrough into said by-pass conduit, and a vapor escape duct extending from said hot water tube to said water supply conduit and provided with a restricted outlet orifice.

2,599,586
MARINE DEPTH FINDER
Wayne M. Ross, Seattle, Wash., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 3, 1948, Serial No. 42,239
7 Claims. (Cl. 175—381)

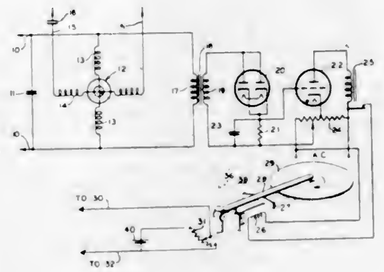


1. Means for continuously detecting peak amplitudes of a recurring voltage wave, comprising detector means including rectifier means and charge storing means connected operatively in series, circuit means for impressing upon said detector means a recurring voltage wave to be detected, whereby said storing means charges to the wave voltage peaks, vacuum tube means connected between said circuit means and said storing means and operable when conductive to remove charge from said storing means if the voltage of said storing means then exceeds the voltage of said wave, and means operable synchronously with the recurring voltage wave to render said vacuum tube momentarily conductive only in the peak periods of said recurring wave, thereby to enable the voltage of said charge storing means to follow sensitively decreasing wave peaks as well as increasing wave peaks normally rectified through said rectifier means.

2,599,587
PROCESS OF PREPARING AN ANTIBACTERIAL SUBSTANCE FROM PYRIDOXAMINE
Gregory Shwartzman, New York, N. Y., assignor to Mount Sinai Hospital Research Foundation, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 18, 1947, Serial No. 722,966
5 Claims. (Cl. 204—158)

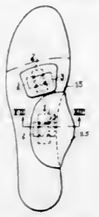
1. The process of preparing a product exhibiting antibacterial activity toward both Gram positive and Gram negative bacteria which comprises acidifying a solution of pyridoxamine to a pH of less than 6.25 and thereafter irradiating the solution with ultraviolet light for a period of from 1 to 28 hours while excluding substantially all visible light.

2,599,588
RADIOSONDE RECORDER CONTROL
Joseph A. Siderman, Eatontown, N. J.
Application July 8, 1946, Serial No. 681,949
4 Claims. (Cl. 346—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system for recording varying values of a comparatively low input voltage, comprising a source of input voltage, an adjustable source of balancing voltage, means for connecting said input voltage and said balancing voltage in opposition to obtain a difference voltage, means connected to be energized by said difference voltage for deriving an alternating current voltage proportional to said difference voltage, a recorder including a stylus for recording the value of said input voltage, electrical means coupled to said stylus for effecting a movement thereof upon being energized, means directly connecting said electrical means to said voltage deriving means for effecting energization of said electrical means, means coupled to and movable by said electrical means for adjusting said balancing voltage source to equal said input voltage, thereby causing said stylus to assume a position determined by the value of said input voltage, means effective when actuated for restraining said stylus from recording, and a circuit connected to said voltage deriving means for effecting actuation of said restraining means whenever said proportional voltage exceeds a predetermined value, said actuation effecting circuit including a detector for rectifying said proportional voltage, a rectified voltage minimum value threshold element and means coupling said detector to said restraining means.

2,599,589
ORTHOPEDIC APPLIANCE
Henry S. Silverman, Stanley M. Raffer and Earnest F. Oberheim, Pittsburgh, Pa.; said Raffer and said Oberheim assignors to said Silverman
Application July 25, 1949, Serial No. 106,718
7 Claims. (Cl. 36—71)



1. An adjustable metatarsal support comprising, in combination, a sole member, a metatarsal pad, a guide plate of resilient sheet material of the shape of a parallelogram, a set of channel guides on one side of said guide plate adjacent parallel edges and having the open sides of the channels in confronting relation, a set of channel guides on the other side of said guide plate adjacent the remaining parallel edges and having the open sides of the channels facing each other, a plate having one pair of parallel edges fitted through each set of channel guides to slide back and forth therethrough, intermeshing teeth between each plate and said guide plate, means securing one plate to said sole member forward of the shank portion thereof and rearward of the widest portion thereof, and means securing said pad to the other of said plates.

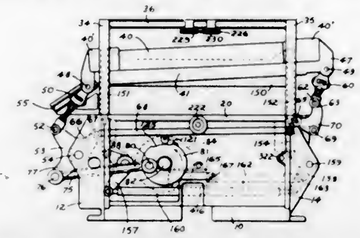
2,599,590
PROCESS FOR RENDERING PROTEINACEOUS TEXTILE MATERIALS WATER REPELLENT
Arnold M. Sookne, Silver Spring, Md., and Alfred E. Brown, Washington, D. C., assignors to Harris Research Laboratories, a partnership
No Drawing. Application July 28, 1948, Serial No. 41,183
4 Claims. (Cl. 117—141)

1. Process for rendering proteinaceous textile materials water repellent which comprises applying to the proteinaceous textile material an aqueous solution of a water-soluble fatty acid soap in a concentration of about 0.25% and thereafter applying to the material an aqueous solution of a water-soluble aluminum salt in a concentration of about 0.1%.

2,599,591
CUTTING MACHINE
William R. Spiller and Frederick W. Varwig, Dayton, Ohio, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application March 13, 1946, Serial No. 654,157
33 Claims. (Cl. 164—54)

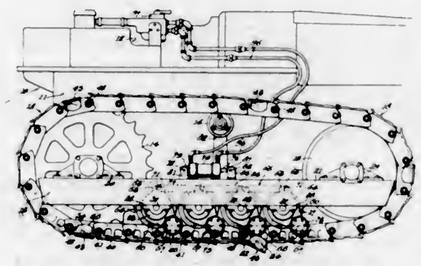
1. In a cutting machine, the combination of a supporting frame, a cutting table mounted on said frame for receiving the work material to be cut, a knife bar adapted to receive a knife therein and movable therewith for reciprocating travel relative to said table, a pair of levers at opposite sides of said frame in substantially the plane of said knife bar, each said lever having a plurality of arms of different lengths, links in said same plane directly connecting re-

spectively between opposite ends of said knife bar and said levers at different distances from the respective pivot points thereof to actuate said knife bar, a fixed guide for one end of said knife bar to cause said bar to travel in a predetermined inclined path as it is actuated to produce a double shearing action, a connecting



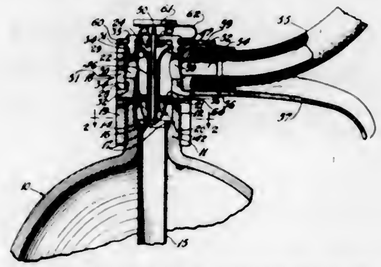
rod directly connected to an arm of one of said levers for operation thereof, a tie bar connected to other arms of both said levers and subject to tension during the cutting stroke for operating the other of said levers, and a crank for driving said connecting rod, said connecting rod and said tie bar also being substantially in said same plane.

2,599,592
TRACTION DEVICE FOR TRACK LAYING VEHICLES
Richard C. Stewart, Oxnard, Calif.
Application June 5, 1951, Serial No. 230,017
16 Claims. (Cl. 305—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A track laying vehicle comprising a main frame, a power unit and controls therefor, drive instrumentalities including a drive sprocket adapted to be driven by the power unit, a track frame having opposite ends and attached to and adapted to support the vehicle, a main idler wheel rotatably mounted near one end of the track frame, the opposite end of the track frame being mounted adjacent to the sprocket, idler means mounted near the upper portion of the track frame, and roller means mounted at the lower portion of the track frame, an endless track engaged with the sprocket, the main idler wheel, the idler means and the roller means, the endless track including track plate means oscillatably mounted on said track, the mounting for the track plate means including means normally urging said plate means into alignment with said track, the plate means having an upstanding rib with a cam surface, a crank arm journaled on said roller means, each crank arm having a roller at its extremity adapted to engage the cam surface of a track plate means as the portion of the track carrying the plate passes adjacent the crank arm roller, an actuator member pivotally engaging each crank arm and adapted to oscillate said arm, a hydraulic cylinder mounted on the track frame, said cylinder having a piston rod adapted to be actuated by fluid pressure within the cylinder, means pivotally connecting said piston rod to said actuator member, and means for actuating and controlling the hydraulic cylinder.

2,599,593
VALVE
John H. Stroop, New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application January 31, 1947, Serial No. 725,660
3 Claims. (Cl. 137—69)

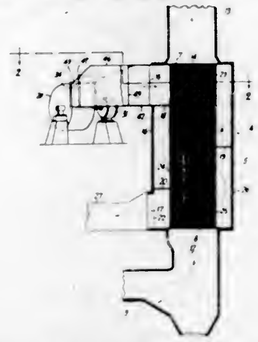


1. A valve comprising a cylindrical valve body having an axial bore, a wall at one end of said body provided with an aperture, a connecting section and an external shoulder adjacent the other end of said body, said body in the cylindrical portion thereof being provided with a pair of opposed radial ports in communication with said bore and being provided with an annular groove intermediate said end wall and said ports; a valve seat between said ports and said connecting section; valve means for said seat including an operating stem slidably mounted in said aperture and extending outwardly therethrough; a coupling ring formed with a bore through which said cylindrical portion extends and being seated on said shoulder, said ring having an outlet port in registry with a selected one of said radial ports; a ring member extending into said groove and overlying said coupling ring to secure the same to said valve body; and a resilient member having one end secured to said ring member and having its other end adjacent the outwardly extending end of said stem for effecting movement thereof.

2,599,594
FLUID HEATER UNIT
George A. Taylor, East Orange, N. J., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application December 18, 1946, Serial No. 716,909
9 Claims. (Cl. 257—224)

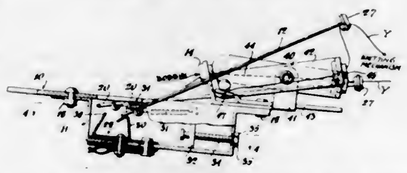
1. A heat exchanger comprising, in combination, a casing enclosing spaced rows of spaced tubes, the interiors of the tubes defining one set of fluid conducting passages and the spaces between the tubes defining a separate set of fluid conducting passages, said casing having a fluid inlet opening with a horizontal dimension substantially equal to the width of said rows of tubes, and a pair of fluid inlet ducts each intersecting the inlet opening and extending horizontally in opposite directions to each other and

at acute angles to the plane of the inlet opening, the areas of intersection of the projections of the wall surfaces of each duct with the plane of the inlet opening being equal and coextensive;



whereby fluid is directed into said heater over a predetermined horizontal width of the inlet opening irrespective of whether there is fluid flow through one or both of said ducts.

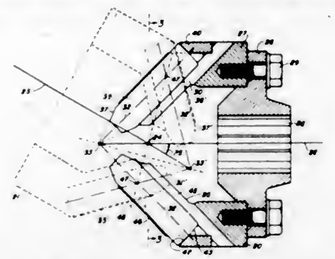
2,599,595
STOP MOTION MECHANISM FOR KNITTING MACHINES
Jacob Wachsman, Brooklyn, N. Y.
Application June 22, 1950, Serial No. 169,621
8 Claims. (Cl. 66—163)



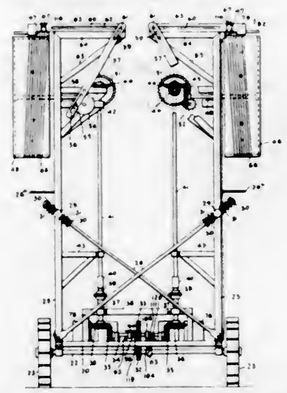
1. In a stop motion mechanism for knitting machines and the like, the combination of a base, yarn guide means on said base, a member responsive to tension in the yarn adapted to effect operation of the stop motion mechanism upon breakage of the yarn, said member having one end mounted on said base and having yarn guide means at its other end, and a member pivotally mounted on said base having yarn guide means at one end adjacent said yarn guide on said base and having yarn guide means at its other end adjacent said yarn guide means on said first mentioned member.

2,599,596
UNIVERSAL JOINT
Ernest Wildhaber, Brighton, N. Y.
Application September 13, 1947, Serial No. 773,816
11 Claims. (Cl. 64—21)

5. A universal joint comprising two end members with interfitting prongs, each of the prongs of each end member being formed on opposite sides with a pair of grooves that are of arcuate profile and parts of surfaces of revolution whose axes intersect the axis of the respective end member, a pin rockably mounted in each groove and shaped to fit the groove, the two pins of each prong projecting inwardly toward the axis of the respective end member beyond the inner ends of their respective grooves to contact with each other and prevent inward axial displacement of the pins, and means for holding the pins against outward axial displacement, the pins at adjacent sides of the prongs of the two end members having cooperating contact.



2,599,597
DOUBLE KNOTHEAD TWINER
Hiram Price Wilson, Mabton, Wash.
Application November 14, 1949, Serial No. 127,159
16 Claims. (Cl. 289—12)

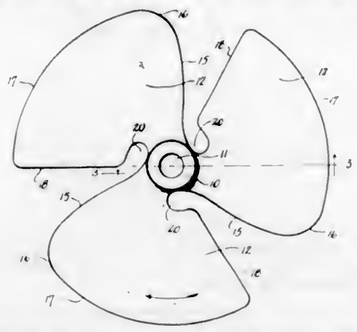


1. A device for tying a knot in a cord comprising housing and passageways therein which follow the outline of the knot to be tied, a knot receiving cavity in said housing, slots having a diameter less than that of the passageways and connecting said passageways to said cavity, a flexible plunger having a diameter greater than that of said slots adapted to pass through said passageways, cord gripping means on one end of said plunger, and means for drawing said plunger through said channels.

2,599,598
PROPELLER
Oscar A. Wirkkala, Seattle, Wash., assignor to Wirkkala Propeller Sales, Inc.
Application January 13, 1950, Serial No. 138,290
1 Claim. (Cl. 170—159)

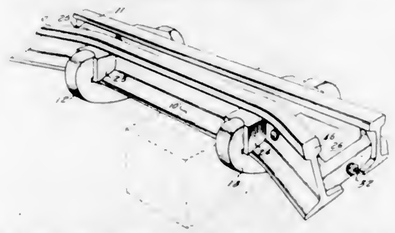
A marine propeller comprising a central elongated hub having opposite end portions and a plurality of substantially identical and individual equidistantly spaced curved blades extending radially outwardly therefrom, the major portion of the leading edge being in a plane substantially perpendicular to the hub axis at one end portion of the hub and merging into an outer peripheral edge disposed on an arc circularly about the hub

axis, each blade having a trailing edge that is straight through a major portion and substantially in alignment with the other end portion of the hub and spaced from and opposite the



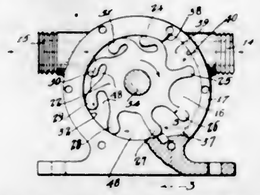
leading edge, said trailing edge being recessed adjacent said hub, said recess forming suction relief means between the hub and the trailing edge of each blade.

2,599,599
GUARD RAIL CLAMP
Harrison R. Akers, Tyler, Tex.
Application April 20, 1950, Serial No. 156,961
2 Claims. (Cl. 238—21)



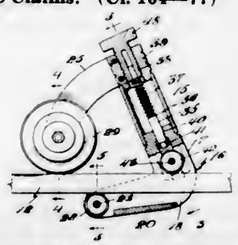
1. In combination: a traffic rail; a guard rail having an intermediate portion extending parallel to said traffic rail and turned out end portions extending away from said traffic rail; a pair of C-yokes; one of said yokes being positioned adjacent one of said turned out end portions and the other of said yokes being positioned adjacent the other of said turned out end portions, each of said yokes transversely underlying said traffic rail and said intermediate portion and having inwardly turned ends confronting the outer web surface of said rails, one of said ends being inclined with respect to the adjacent rail web and the other end arcuated; a wedge key for each of said yokes, each of said wedge keys having an inclined side abutting the inclined end of its associated yoke and having a flange provided with a plurality of spaced apertures; means disposed in one of said apertures for limiting movement of each of said wedge keys relative to its associated yoke, each of said wedge keys cooperating with the inclined yoke end of its associated yoke to effect perpendicular displacement of its associated yoke with respect to said traffic rail; a take-up block for each of said yokes, each of said take-up blocks being interposed between the arcuated end of its associated yoke and the adjacent rail web; a pair of spaced turn out blocks having wedging engagement between confronting sides of said end portions and said traffic rail; and a rod extending uninterruptedly through each of said turn out blocks for connecting said turn out blocks against movement relative to one another.

2,599,600
PUMP
Albert W. Arnold, Beverly Hills, Calif., assignor to Cascade Pump Company, Los Angeles, Calif., a corporation of California
Application November 15, 1946, Serial No. 710,210
8 Claims. (Cl. 103—117)



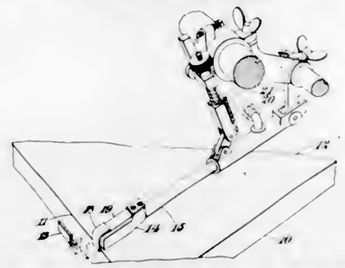
1. A rotary pump having a rotor with a plurality of spaced deformable vane members, a casing with a chamber defined in part by a cylindrical peripheral wall of said casing, said peripheral wall being eccentrically located with respect to the axis of rotation of said vane members, said casing having an inlet and an outlet in communication with said chamber, each of said vane members being arranged to move in succession from a position out of engagement with said wall to a position into engagement with said wall to thereby produce pumping cavities of variable volume which are defined by adjacent vane members and said wall, and a bypass in said peripheral wall effective when one of said vane members initially engages said peripheral wall and expands its corresponding pumping chamber to place opposite sides of said one vane member in communication with each other and with said inlet.

2,599,601
HAND-OPERATED WEB CUTTING APPARATUS
Charles Gordon Axworthy, Pawtucket, R. I., assignor to Union Wadding Company, a corporation of Rhode Island
Application January 27, 1950, Serial No. 140,867
8 Claims. (Cl. 164—77)



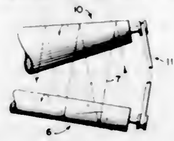
1. A hand-operated web cutting apparatus comprising a bar, a carriage movable along said bar, a fulcrum member fixed to the carriage and engaging one side of the bar, a circular cutter secured to the carriage and engageable with the opposite side of the bar when the carriage is swung about said member as a fulcrum and pressure means carried by said carriage and engaging said bar at such location and in such direction as to swing said carriage about said member in a direction to force the cutter against the bar.

2,599,602
MECHANISM FOR REGISTERING SHEETS
Headley Townsend Backhouse, Wentworth, England
Application July 29, 1947, Serial No. 764,599
In Great Britain February 23, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 23, 1965
1 Claim. (Cl. 271—60)



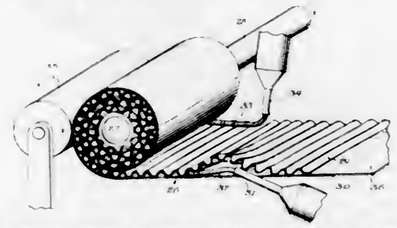
In a sheet feeder a feed board, a sucker arm, a sucker at the forward end thereof having a plurality of suction orifices longitudinally spaced apart in the direction of sheet travel over the feed board, means pivotally connected with the rear end of said arm for moving the sucker back and forth in the direction of sheet travel and means for raising the sucker while a sheet is being withdrawn from the feed board, the sucker being arranged to rest on a sheet on the board and with suction applied to the orifices during its forward travel and a sheet stop arranged to travel with the sucker and slightly ahead thereof in the direction of sheet travel whereby the forward edge portion of a sheet admitted between the sucker and the board will be gradually slowed down by suction as the forward edge of the sheet successively closes the suction orifices and by relatively slow forward movement of the sucker and the forward edge will be positively arrested and precisely positioned relatively to the sucker by engagement with the sheet stop.

2,599,603
APPARATUS FOR ADVANCING STRANDS
Sydney Warren Barker, Colne, England, assignor to Lustrafil Limited, a corporation of Great Britain
Application February 21, 1947, Serial No. 729,999
In Great Britain February 23, 1946
7 Claims. (Cl. 28—71.5)



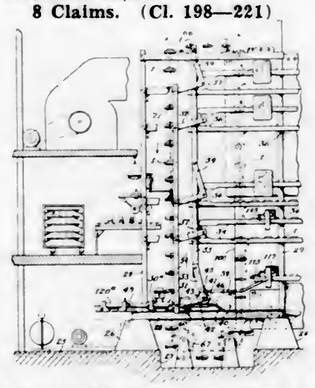
1. In apparatus for the manufacture of rayon and generally similar artificial threads by a continuous process wherein the thread issuing from the spinning bath passes around guide rollers on which it is treated with liquid, a pair of mutually inclined guide rollers disposed substantially vertically one above the other, adapted and arranged to be traversed by the thread in a series of spaced helical loops, and means for positively driving both rollers; the peripheries of the rollers being so contoured relative to one another at corresponding parts and the arrangement of the driving means being such that, with said driving means in operation, the peripheral speed of the upper roller, at those parts of the traverse where the thread is wet and under only light tension, is slightly greater than that of the lower roller, whereby the tension of the thread in its upward path is increased sufficiently to prevent the thread from wobbling but without stretching it beyond its true elastic limit at the degree of wetness it possesses at said parts of the traverse, and the increase in tension thus imposed is balanced by a corresponding relaxation in the immediately succeeding downward pass of the thread.

2,599,604
FILTER ELEMENT
Jordan V. Bauer, Elmwood Park, and Russell H. Curtis, St. Charles, Ill.
Application July 13, 1949, Serial No. 104,472
6 Claims. (Cl. 210—169)



1. A disposable filter element consisting essentially of a corrugated web and a flat web convolutely wound together, the adjacent flutes formed by the corrugations alternately having one end open and the other end sealed, the sealing of one of said ends being effected by pressing together the edges of said end and the sealing of the other of said ends being effected by applying an adhesive to opposite alternate openings, said webs being permeable to liquids and substantially non-permeable to solids and acting as the filtering medium.

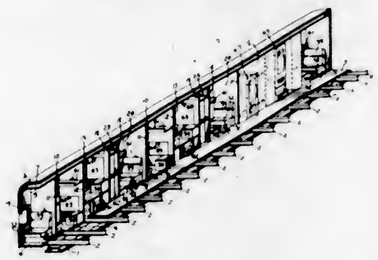
2,599,605
POTTERY FABRICATING MACHINE
James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio, a corporation of West Virginia
Original application March 1, 1945, Serial No. 580,401. Divided and this application April 9, 1947, Serial No. 740,360
8 Claims. (Cl. 198—221)



1. In a pottery fabricating machine, a plurality of trays for supporting molds, a track upon which

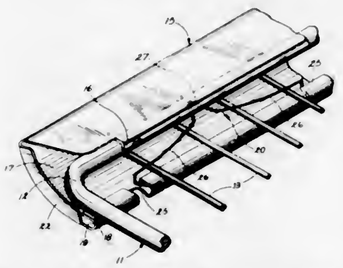
said trays are slidable, intermittently operated means at one end of the track for pushing the trays along the track in a step-by-step movement, and a cylinder-operated lever at the opposite end of the track for engaging the tray at that end of the track and compacting the line of trays.

2,599,606
RAILWAY CAR
Francis T. Burgess, Maplewood, Mo., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 28, 1946, Serial No. 657,870
16 Claims. (Cl. 105—315)



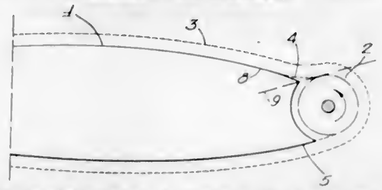
1. In a railway car having a central aisle floor, two lower rooms having a floor level below said aisle floor, an upper room having its floor level higher than said aisle floor, said upper room being interposed between said lower rooms and having end portions extending above an extremity of each of said lower rooms, and a bed extending substantially the entire length of each of said rooms, said beds being retractable respectively into one end portion of said upper room and into the extremities of said lower rooms adjacent said upper room.

2,599,607
REFRIGERATOR SHELF TRIM STRIP
Andrew H. Burrise, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application April 17, 1950, Serial No. 156,391
4 Claims. (Cl. 211—153)



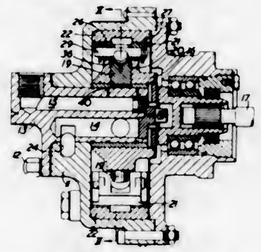
1. In a shelf comprising a frame, rods fixed to said frame, and a strip having a hooked edge engaging said frame and a folded edge lying on said rods; clip means having hooked ends engaged in said folded edge, arms extending from said ends engaged beneath said rods and an extension engaging said frame to hold said strip in place.

2,599,608
GUIDE BAR FOR CHAIN SAWS
Norman C. Bye, Wyndmoor, Pa., assignor to Henry Disston and Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 5, 1948, Serial No. 595
2 Claims. (Cl. 143—32)



1. In a chain saw, a cutting chain, a chain-driving sprocket, and a chain-supporting rail affording support for the chain at both sides of the sprocket, the chain supporting edges of the rail being generally of longitudinally convex contours and directing the chain tangentially to the sprocket on the one side and at the other side of the sprocket being smoothly contoured and extending into proximity to the periphery of the sprocket, the sprocket-adjoining end of said smoothly contoured edge being angularly disposed with respect to a line intersecting the terminal end of said edge and tangent to the sprocket and defining an inset angular recess between the said edge and the peripheral edge of the sprocket into which recess the chain may diverge in transition from the sprocket to the said rail edge.

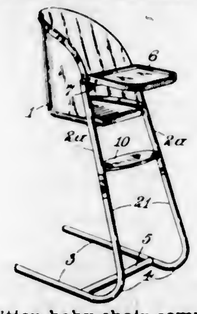
2,599,609
HIGH-PRESSURE PUMP
Frederick Henry Carey, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England
Application June 15, 1948, Serial No. 33,156
In Great Britain July 9, 1947
6 Claims. (Cl. 103—161)



1. In a pump of the type which comprises a substantially circular track ring of appreciable breadth in the axial direction, a radially bored cylinder assembly rotative in a plane generally medially disposed relative to the breadth of the track ring about an axis eccentric to the track ring's axis, a plunger reciprocable in each bore and having an opening near its outer end, the inner wall whereof is rounded transversely of such plane of rotation, and a slipper corresponding to and operatively connected to each plunger and having guiding engagement with said track ring: said operative connection comprising a thrust element seated in said plunger's opening and rounded complementally thereto to rock transversely of the plane of rotation, an elongated member extending transversely of the plane of rotation, said elongated member and said thrust element being complementally formed

and engaged to define a bearing seat upon said thrust element whereby said elongated member will rock bodily with the thrust element transversely of the plane of rotation, and may shift relative to the latter in so doing in the direction of its own length, and also to rock relative to said thrust element in the plane of rotation, said elongated member being operatively connected to the slipper at opposite sides of said thrust element to rock bodily with the slipper transversely of the plane of rotation and thereby similarly to rock the thrust element in its seat in the plunger's opening.

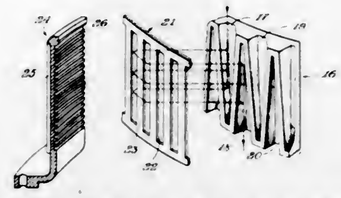
2,599,610
BABY CHAIR
Edward Hugh Clairmonte and Clive Molyneux Clairmonte, London, England
Application June 11, 1946, Serial No. 675,891
In Great Britain July 24, 1945
5 Claims. (Cl. 155—38)



1. A two-position baby chair comprising a pair of legs each including an upper part, a lower part, and a base portion, said upper and lower parts being in axial alignment when said chair is in high-seat position, a seat rigidly secured to the upper ends of said upper leg parts, said legs constituting the sole support for said seat in high-seat position, members carried on the adjacent ends of the respective upper and lower parts of each leg and engageable, by relative sliding movement, to maintain said leg parts rigidly in alignment, means pivotally connecting the members on each leg and slidable relative to one member on each leg to permit disengagement of the interlock therebetween and swinging movement into low-seat position of the lower leg portions relative to the upper leg portions, and means to limit such swinging movement at a position in which said lower leg parts are substantially parallel to the bottom of said seat.

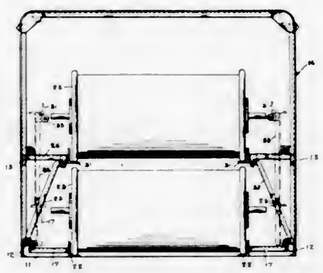
2,599,611
HEAT EXCHANGER FOR HOT GAS PISTON ENGINES
Pieter Hajo Clay, deceased, late of Eindhoven, Netherlands, by Joris Daniel Heijligers, administrator, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 30, 1946, Serial No. 706,535
In the Netherlands August 7, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 7, 1965
4 Claims. (Cl. 257—261)

1. A heat exchanger for a hot-gas piston engine comprising a first cylindrical wall having a predetermined height and a predetermined diameter, said first cylindrical wall having a plurality of inlet channel means disposed substantially axially of said first cylindrical wall for subdividing a flow of medium which flows thereinto in a generally axially direction with respect to said first cylindrical wall, said inlet channel means each having a side thereof opening out on the outer surface of said first cylindrical wall and an end thereof having an obstructing wall therein, said first cylindrical wall also having a plurality of outlet channel means disposed substantially axially of said first cylindrical wall and arranged alternately with respect to said inlet channel



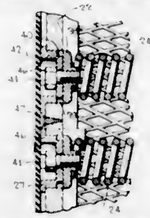
means said outlet channel means each having a side thereof opening out on the outer surface of said cylindrical wall and an end thereof having an obstructing wall therein, and a second cylindrical wall fitted around said first cylindrical wall, said second cylindrical wall having a plurality of slots therein which align alternately with said side openings of said inlet channel means and said outlet channel means, respectively, when said exchanger is assembled and a third cylindrical wall surrounding said second cylindrical wall.

2,599,612
TRANSPORT
Rex L. Cope, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application July 31, 1947, Serial No. 765,129
2 Claims. (Cl. 105—367)



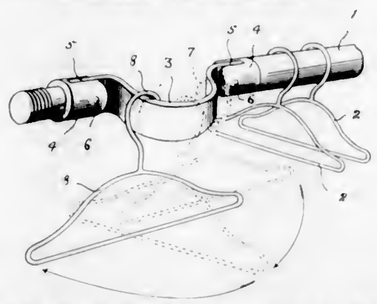
1. A structure for use in transporting heavy articles comprising a body having a floor and framework forming vertical side walls, an integral rail supported on said floor along the length of each of said side walls, an integral rail fixed to each of said side walls above said first-mentioned rails and in alignment therewith, a plurality of racks pivotally mounted on each of said rails for angular movement in a plane normal to said rails, said racks each having a length of track attached thereto for holding said articles and for preventing lateral movement thereof, the construction and arrangement being such that the racks and tracks carried thereby, when not in use, are movable to a position parallel to the side walls of said body so as to cause the interior central portion of said body to be substantially free of said racks and said tracks.

2,599,613
WELDING RESISTANCE
Robert J. Cottingham, Huntington, W. Va., assignor to Clayton Orner, Huntington, W. Va.
Application August 22, 1950, Serial No. 180,828
2 Claims. (Cl. 201—48)



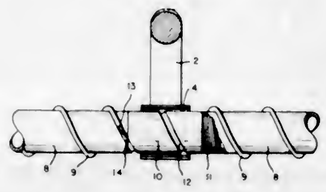
1. A welding resistance unit comprising a frame, insulating end boards on said frame, a plurality of longitudinally extending resistance coils in said frame, terminal brackets for connecting the terminal ends of the coils to the end boards, connector members for connecting the intermediate ends of the resistance coils and securing them to the end boards, said end boards being formed with respective openings, said brackets and said connector members being formed with cup portions received in said openings, said cup portions facing outwardly, respective disc members secured to the ends of the coils and lockingly engaging said cup portions, means detachably securing said disc members to said cup portions, end panels of insulating material secured to the end boards in overlying relationship to the terminal brackets and connector members, a plurality of transverse shafts carried by the bottom of the frame, and respective flange rollers mounted centrally of said shaft.

2,599,614
GARMENT HANGER TRACK OFFSET
Carl Dahlberg, Duluth, Minn., assignor of one-half to Martin I. Friedman, Duluth, Minn.
Application November 13, 1947, Serial No. 785,619
2 Claims. (Cl. 211—123)



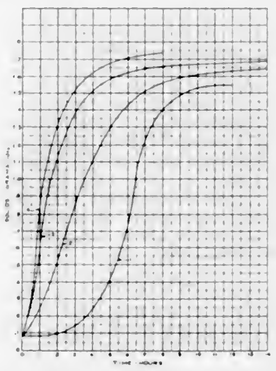
1. In a track along which garments are slid on hangers, said track being substantially straight along a portion thereof and in a horizontal plane, a bight formed in and interrupting said straight track, said bight being relatively small and extending substantially horizontally from said track whereby both sides of a garment are presented to view from a position adjacent said bight as said garment is moved over said bight, said bight comprising a thin strip of metal having substantially alined ends with said bight intermediate same, and a connector on each of said ends for securing said bight to adjacent portions of said track.

2,599,615
TRACK SUPPORTING MEANS
Carl Dahlberg, Duluth, Minn., assignor of one-half to Martin J. Friedman, Duluth, Minn.
Application April 24, 1950, Serial No. 157,695
4 Claims. (Cl. 198—213)



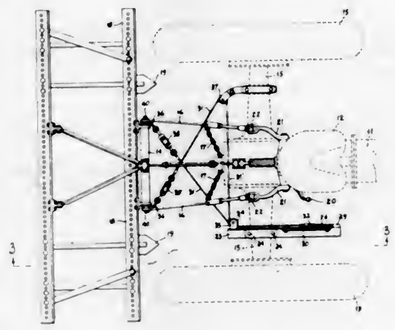
1. In a device for transporting objects on hooks, a plurality of axially rotatable sections, each of said sections comprising a length of pipe and a wire arranged helically on the surface of said pipe forming a screw conveyor; a coupling intermediate said sections, said couplings comprising a member of substantially the same diameter as said pipe, means at each end of said coupling to connect to said sections, a helical groove in said couplings forming a continuation of the screw of said pipe; and means to support said sections at said couplings.

2,599,616
AGEING AND POLYMERIZING IMPURE METHYL VINYL KETONE
Richard E. Davies, Ridgewood, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
Application April 15, 1949, Serial No. 87,738
8 Claims. (Cl. 260—63)



1. In a process for preparing polymeric methyl vinyl ketone, from methyl vinyl ketone monomer which contains vinyl acetylene as an impurity, which monomeric methyl vinyl ketone polymerizes to a dark-colored, soft, rubbery polymer with the aid of a catalyst which will cause polymerization of the methyl vinyl ketone monomer through the carbon to carbon double bond and which monomeric methyl vinyl ketone is substantially free from added polymerization inhibitors, the steps which comprise ageing the methyl vinyl ketone monomer in the presence of oxygen without forming an appreciable quantity of polymer therein, at least until the methyl vinyl ketone monomer may be polymerized with the aid of a catalyst which will cause polymerization of the methyl vinyl ketone monomer through the carbon to carbon double bond to yield a clear, colorless, hard polymer, thereafter adding to the aged methyl vinyl ketone monomer a catalyst which will cause polymerization of the methyl vinyl ketone monomer through the carbon to carbon double bond, and polymerizing the catalyst-containing methyl vinyl ketone monomer to yield a clear, colorless, hard polymer.

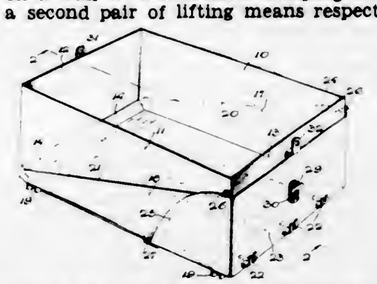
2,599,617
DRAW BAR CONTROL
Earl T. Davis, Cuthbert, Ga.
Application November 26, 1947, Serial No. 788,241
3 Claims. (Cl. 97—47)



3. A draw bar control for vehicles having a swingable draw bar, comprising a frame member arranged and adapted to be fastened to the vehicle, an adjustable operating handle pivotally connected to said frame member, means operatively connected to said handle for locking it in adjusted position, a pulley wheel mounted on said frame forward of said handle, a second pulley wheel mounted on said frame rearward of said handle, a third pulley wheel arranged and adapted for mounting on said vehicle on the side thereof opposite said frame member, a plurality of flexible control means fastened to said handle, one of said control means passing from said handle forward over said first mentioned pulley wheel and thence over to the end of the draw bar farthest from said frame member and arranged and adapted for connection thereto, another of said control means passing from said handle rearward around said second pulley wheel, thence around said third pulley wheel and thence to the end of the draw bar nearest said frame member and arranged and adapted for connection thereto.

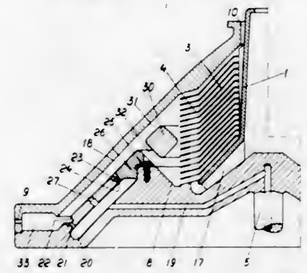
2,599,618
BOTTOM DUMPING CONTAINER
George R. Dempster, Knoxville, Tenn.
Application June 13, 1949, Serial No. 98,845
4 Claims. (Cl. 294—69)

1. In a device of the character described, a container including opposed lateral walls, a bottom dumping section hingedly mounted at the lower edge of one of said lateral walls to form a laterally discharging chute, a pair of lifting means mounted respectively on the lateral wall at the hinged end of said bottom dumping section and on a wall of said bottom dumping section, and a second pair of lifting means respectively



mounted on said two lateral walls above said bottom dumping section.

2,599,619
METHOD AND APPARATUS FOR CENTRIFUGAL SEPARATION
Carl Goran Eckers, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application June 9, 1948, Serial No. 31,854
In Sweden June 13, 1947
20 Claims. (Cl. 233—15)



1. A method of separating from one another two different solid components suspended in a liquid, by selective separation under centrifugal force, which comprises feeding the suspension to a locus of centrifugal force and there, in an initial separating zone thereof, separating liquid and lighter solid components from the heavier solid components, leading said last liquid and lighter components inwardly from said zone and discharging the same from the locus, leading the resultant relatively concentrated suspension of said heavier components together with the remaining lighter components outwardly in said locus and beyond said zone and then, in an outer selective zone, leading said last suspension outwardly, while subjected to centrifugal force, along the outer surface of a narrow slot inclined to the direction of said force in the locus, flowing over the inner surface of said slot in countercurrent but parallel to said last suspension a flush liquid of lower specific gravity than said last suspension, lighter components of said last suspension meet a countercurrent flow of flush liquid while confined in said slot and are freed from said last suspension in the selective zone, displacing the flush liquid and said freed lighter components inwardly to and through said separating zone for discharge with initially separated liquid and lighter components, and leading the heavier components from the selective zone outwardly in said locus and discharging the same through the outer periphery of said locus.

2,599,620

CARBOXYMETHYL ETHERS

William Frederick Filbert, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 31, 1950, Serial No. 182,641
10 Claims. (Cl. 260—209)

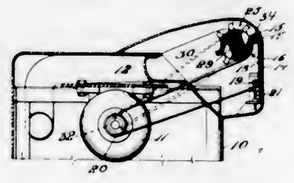
10. A process for the preparation of finely-divided, purified water-soluble alkali metal salts of carboxymethyl ethers of hemicelluloses, which comprises mixing a finely divided hemicellulose with monochloroacetic acid and alkali in the presence of alcohol and water, the alcohol/water weight ratio being at least 1.75 $(1+\frac{1}{2}(N-1))$, wherein N is the number of carbon atoms in the alcohol, heating the mixture thus formed to a temperature in the range from about 50° C. to the reflux temperature of the said mixture, maintaining the mixture at said elevated temperature during etherification, and thereafter purifying the etherified hemicellulose.

2,599,621

MACHINE FOR PLUCKING FEATHERS

Foster Fisher, Providence, R. I., assignor of one-half to Benjamin E. Kinne, Rehoboth, Mass.

Application April 2, 1949, Serial No. 85,213
6 Claims. (Cl. 17—11.1)



1. A machine for plucking feathers from a bird comprising a pair of jaws between which feathers are gripped to be pulled from the bird being plucked, one of said jaws comprising a curved guide with a movable belt disposed in a hairpin bend thereover, the other jaw comprising a rotatable roller positioned at a location to have its peripheral surface engage said belt adjacent said guide, said roller being provided with fingers extending from the periphery thereof and arched at their ends and movable into engagement with said belt at the location of the hairpin bend upon the rotation of said roller to press said belt against said guide, said fingers being resiliently mounted and said roller having recesses to receive said fingers as moved to pass said other jaw.

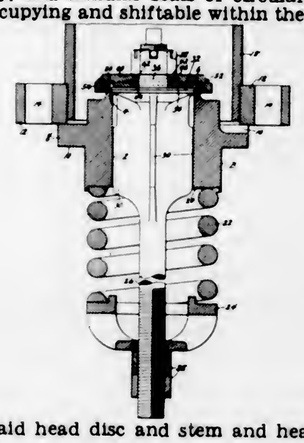
2,599,622

RESILIENT SEAL SAFETY VALVE

Clyde H. Folmsbee, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application January 3, 1947, Serial No. 720,072
3 Claims. (Cl. 137—53)

1. In a safety valve, a valve body having a valve seat, a valve reciprocable within the body and having a valve seat cooperating with said body valve seat to normally seal the valve against leakage of matter, a stem extending upwardly from said valve, a head disc surrounding said stem and rigidly clamped onto said valve by means secured to said stem, said head disc being spaced a predetermined distance from said stem and a predetermined distance from said valve body, and annular seals of circular cross-section occupying and shiftable within the spaces



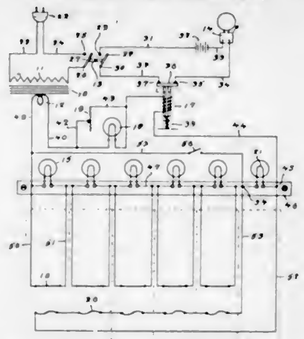
between said head disc and stem and head disc and body.

2,599,623

CLOSED CIRCUIT FIRE AND BURGLAR ALARM

Herman G. Forrester, Chattanooga, Tenn.

Application August 30, 1950, Serial No. 182,344
3 Claims. (Cl. 177—356)



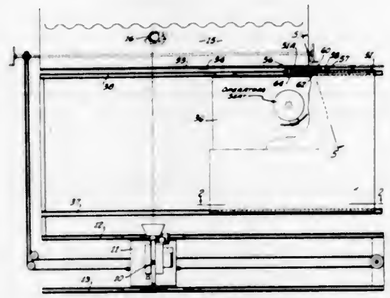
1. An alarm circuit comprising a step down transformer, a plug extended from the high voltage side of the transformer for connecting the transformer to a source of current supply, a double knife switch positioned with one of said knives in the connection from the transformer to the plug, an auxiliary circuit having a battery therein connected to the other knife of the switch and adapted to be closed by switch, an audible signal in said auxiliary circuit, a pair of open contacts in said auxiliary circuit, a relay positioned to close the said open contacts of the auxiliary circuit, a breakable element, a low voltage circuit extended from the secondary of the transformer to the said breakable element, a signal light connected across the low voltage circuit of the breakable element, the resistance of said signal light being such that upon rupture of the breakable element the signal light will light, a variable resistance in the said low voltage circuit, and a pilot light in the said low voltage circuit connected across the said variable resistance, said low voltage circuit being connected to the terminals of the said relay whereby with current in the low voltage circuit the relay holds the said auxiliary circuit open.

2,599,624

MEANS FOR PRODUCING ANIMATED PICTURES

Edwin Gillette, Los Angeles, Calif.

Application October 20, 1950, Serial No. 191,223
2 Claims. (Cl. 88—16)



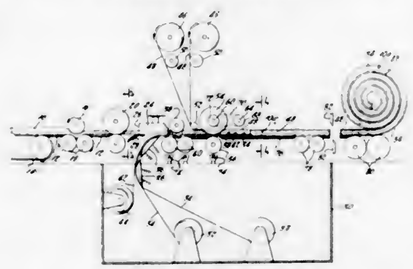
1. In apparatus of the character described, a puppet stage, a camera, a carriage supporting said camera and being movable in a guided path with respect to said stage, puppet orienting equipment comprising a carriage movably mounted in a guided path with respect to said stage and between said stage and said camera, a first projection screen, projecting means for projecting an image of live talent and a grid onto said first screen, a second projection screen, means for projecting a grid corresponding to the first mentioned screen onto said second grid, and means for projecting an image of said puppet onto said second screen, superimposed on the grid projected thereon.

2,599,625

APPARATUS FOR FORMING ENCLOSED BLANKET INSULATION STRIPS

Lawrence M. Gilman, Gilman, Conn.

Application April 1, 1948, Serial No. 18,358
1 Claim. (Cl. 154—27)



In an apparatus for continuously wrapping elongated strips of fibrous insulating material, an elongated support, drive roller means associated therewith to move an originally loose, fluffy mass of fibrous insulating material along the support, pressure roller means associated with the support to compress the mass short of the limit of compressibility thereof, continuously operating cutters also associated with the support to sever the partially compressed mass into a plurality of elongated strips as it moves along the support, guides on the support to direct the severed strips along divergent paths, a supply roll of sheet wrapping material below the support, a supply roll of sheet wrapping material above the support, the drive roller means also drawing the wrapping sheets from the supply rolls and moving same along the support with the strips disposed therebetween, and supply rolls of tacky narrow width reinforcing material also below the support, the drive rollers also drawing the reinforcing material from the supply rolls and moving same with the strips and between the wrapping sheets at the longitudinal edges thereof, and pressure rollers at both sides of the support bearing against the wrapping sheets and the interposed tacky reinforcing material along both longitudinal marginal edges of the strips whereby to enclose the strips between the wrapping sheets and tacky material.

2,599,626

FISHING ARROWHEAD

Roland A. Gottschalk and Robert W. Warner, Gresham, Oreg.

Application October 5, 1951, Serial No. 249,936
4 Claims. (Cl. 43—6)



1. An arrow head comprising a metallic body of substantially cylindrical shape having in one end a recess providing a socket for receiving an end of an arrow shaft and having at its other end a pointed formation of substantially conical shape, said body having an aperture extending transversely therethrough between said socket and said point formation with the longitudinal center line of said aperture inclined relative to the longitudinal center line of said body and with a counterbore in the end of said aperture adjacent said point formation, and a barb in the form of an elongated pin extending through said aperture and projecting from the end of the latter adjacent the socket end of said body, said barb having a point on its end projecting from said body and a head on its other end received in said counterbore and being longitudinally curved intermediate its length so that in one rotational position the portion thereof projecting from said aperture lies substantially along said body between said aperture and the socket end of the body and in another rotational position the portion thereof projecting from said aperture extends from said body substantially perpendicularly thereto.

2,599,627

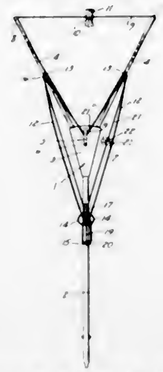
TRAIN MESSAGE DELIVERY FORK

Emil G. Grams, Willmar, Minn.

Application May 24, 1950, Serial No. 163,990
9 Claims. (Cl. 258—3)

1. A device for delivering messages to a moving vehicle, said device comprising a generally upright supporting member, a pair of relatively rigid arms diverging upwardly from the upper end of said supporting member, means on said arms and member for holding an endless flexible message-carrying element, said means including a friction clip on said member, a pair of upwardly-diverging resilient arms, a means mounting said second pair of arms on said supporting member for sliding movements longitudinally of said member toward and away

from side-by-side relationship, and clip means on the opposite ends of said second arms for releasably supporting a second flexible message-holding element.



2,599,628

LEAD BASE ALLOY

Ritson H. Graves, Plainfield, N. J., and James F. Ednie, McKeesport, Pa., assignors to The American Metal Company, Limited, New York, N. Y., a corporation of New York

No Drawing. Application December 22, 1949, Serial No. 134,614
2 Claims. (Cl. 75—166)

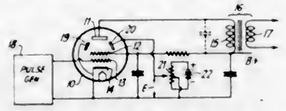
1. A lead base alloy consisting of antimony 16.00 to 18.00%, silver 1.50 to 2.00%, an appreciable amount but less than .1% manganese, and lead 80.00 to 82.00%.

2,599,629

ELECTRON DISCHARGE DEVICE AND ASSOCIATED CIRCUIT

Albert C. Grimm and Arthur P. Sweet, Jr., Lancaster, Pa., assignors to Radio Corporation of America, a corporation of Delaware

Application October 30, 1948, Serial No. 57,594
23 Claims. (Cl. 313—299)



1. In a cathode ray tube deflection system including a deflection tube having a cathode, screen grid and anode defining a straight electron beam path, and a reactance connected to said anode; the method of minimizing spurious oscillations generated within said deflection tube during oscillation of said reactance at its resonant frequency which comprises producing an electric field transverse to said beam path in the space between said screen grid and said anode and of sufficient magnitude to deflect at least a part of the electrons out of said space.

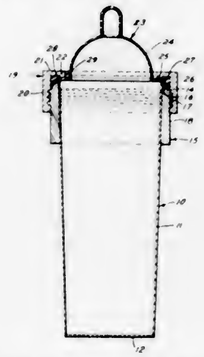
2,599,630

DISPOSABLE FEEDING BOTTLE FOR BABIES

Emma Hair, Savannah, Ga.

Application August 29, 1949, Serial No. 112,968
1 Claim. (Cl. 215—11)

A disposable feeding bottle for babies comprising a wide-mouthed, conical container provided with an annular downturned flange on its upper end, said container being of slightly greater diameter at its top than at its bottom, said container including a side wall and a bottom wall, an annular rim arranged in surrounding relation with respect to the upper exterior surface of said container and provided with an upper relative edge for engaging the lower surface of said flange, said rim being provided with a plurality of spaced screw-threads on its exterior surface, said rim having an interior conical cutout for receiving said side wall, a cap including an interiorly threaded sleeve arranged in engagement with said screw-threads, there being



a central opening in the top of said cap, a ledge projecting inwardly from said sleeve and extending over said flange, and a flexible nipple having a base interposed between said flange and ledge, the lower portion of said rim being smooth, said nipple having a body portion projecting through the opening in said cap, said rim and cap being fabricated of a rigid material, the lower edge of said base being concave and fitting over said flange, an annular lip extending downwardly from said ledge, said lip being arranged in spaced parallel relation with respect to said sleeve and being of less length than the latter, said base having its outer portion thickened and shaped to define an annular groove in the upper surface of the nipple base for receiving said lip.

2,599,631

PREPARATION OF VINYL FLUORIDE

Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 6, 1945, Serial No. 633,265
6 Claims. (Cl. 260—653)

1. Process of preparing vinyl fluoride which comprises heating 1,1-difluoroethane at a temperature of 100° C. to 1000° C. for a period not in excess of three minutes.

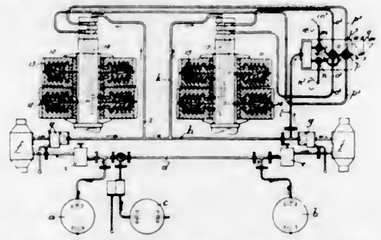
2,599,632

POWER TRANSMISSION MECHANISM

Thomas Hindmarch, London, England

Application June 12, 1945, Serial No. 598,992
In Great Britain April 26, 1944
1 Claim. (Cl. 192—87)

In combination with a pair of driving shafts adapted to drive a driven shaft, a pair of ahead and astern clutches each comprising clutch housings freely mounted on the respective driving shafts and adapted for mechanical driving engagement with the driven shaft, a pair of clutch plates mounted in back-to-back relationship in each clutch housing and splined to the corresponding drive shaft, each of said clutch plates forming with the adjacent inner face of its clutch housing an expansible fluid chamber of small effective area, and each pair of said clutch plates forming between them an expansible fluid chamber of relatively large effective area, a source of pressure fluid, a conduit for constantly supplying fluid under pressure from said source to the small area fluid chambers of all of said clutches to urge said pairs of clutch plates toward one another and away from their corresponding inner housing faces and thereby to disconnect the driving shafts entirely from the driven shaft, a pair of control valves mechanically interconnected for simultaneous movement and each having a pressure fluid inlet and being movable to supply pressure fluid to the large effective area chambers of said ahead and astern clutches respectively, while releasing the pressure fluid from the large effective area chambers of the others of said clutches, a pressure fluid supply conduit extending to the inlet of each of said control valves, and an independently operable individual non-pressure-releasing isolating valve in each of said supply conduits between said source of pressure fluid and said respective control valves, whereby operation of said isolating valves enables preselection of the particular ahead and astern clutches which will be caused to engage by a change in the position of said interconnected control valves, by virtue of the maintenance of fluid pressure by said isolating valves until the same is released upon movement of said control valves.

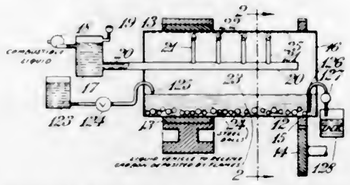


2,599,633

METHOD AND APPARATUS FOR MAKING PRINTER'S INK

Hubert George Hoffmeister and Arthur Henry Soane, London, England, assignors to Usher-Walker Limited, London, England, a British company

Application May 1, 1948, Serial No. 24,658
In Great Britain March 16, 1948
18 Claims. (Cl. 106—28)



1. A method of making printer's ink containing carbon black dispersed in oil, in which method a travelling solid surface picks up and carries a film of the oil and a smoky flame is directed on to said film.

2,599,634

TRACTION ASSIST APPLIANCE

John H. Holmes, Bridgeport, Conn.

Application October 2, 1948, Serial No. 52,450
14 Claims. (Cl. 238—14)



5. A portable traction assistive appliance for emergency application between the tire of an automobile wheel and a slippery hollow in a roadbed, embodying a substantially flat skeleton structure comprising resilient elements disposed in ladder-like arrangement including, normally straight elongate continuous side rails separated laterally by a space wider than the roadbed contacting tread of an automobile tire and sufficiently flexible to bow under the weight of an automobile wheel into conformity with a hollow in the roadbed in the direction of wheel travel while sufficiently resilient to spring back automatically into straightened shape when relieved of said wheel weight, and a series of normally straight tie struts spanning said space between said side rails and connecting the latter in a manner tending to maintain said space, said tie struts being likewise sufficiently flexible to bow under the weight of an automobile wheel into conformity with said roadbed hollow transversely the direction of wheel travel while sufficiently resilient to spring back automatically into straightened shape when relieved of the wheel weight.

2,599,635

GOLF BAG CONSTRUCTION

Albert Hotze, St. Louis, Mo., assignor to Henry Hotze & Sons Company, a corporation of Missouri

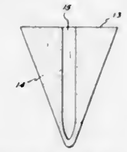
Application July 30, 1947, Serial No. 765,080
2 Claims. (Cl. 150—1.5)

1. A golf bag construction comprising a bag wall having a series of longitudinal pockets formed thereon, a collar secured to the upper end of said wall to which said pockets are extended, a series of stays, each inserted in a respective pocket with their upper ends terminating behind the collar, rivets connecting the upper ends of the stays respectively with the collar, relatively short cross members of a length slightly less than the spacing between adjacent stays positioned at the bottom ends of the stays respectively, a rivet pivotally connecting each stay to its cross member, a cuff secured to the lower end of said wall and positioned over the cross members and the

lower ends of the pockets, and rivets connecting each cross member with the cuff at points substantially spaced laterally from said pivotal connection.

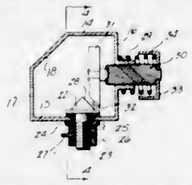


2,599,636
SHIRT COLLAR ATTACHMENT
Allan H. Hull, Lakewood, Ohio
Application March 15, 1948, Serial No. 14,931
2 Claims. (Cl. 2—132)



1. A collar stiffening means for a shirt collar comprising a fabric member forming a pocket with the collar and a stiffening stay of such shape to fit said pocket and removably disposed therein, said fabric member comprising a single layer of fabric having a thermo-plastic adhesive applied on one side, and having a zone on the same side free of adhesive so that a pocket will be formed upon applying the said fabric member to the collar.

2,599,637
AUTOMOBILE BATTERY CIRCUIT BREAKER
Robert D. Hutton, Garvey, Calif.
Application November 17, 1950, Serial No. 196,264
2 Claims. (Cl. 200—158)



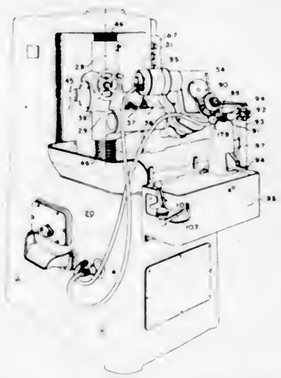
1. A safety switch of the character described comprising a housing having parallel side walls, a bottom wall normal to said side walls and a front wall normal to both said bottom wall and said side walls, a terminal stud extending through said bottom wall, a head on said stud having an inclined contact surface normal to said side walls and facing said front wall, a threaded shaft threadedly engaged in said front wall and extending normal to said front wall and parallel to said side walls, and a parallel sided contact block rotatably secured on the inner end of said stud between said head and said front wall and slidably engaging the side walls at its sides, the bottom end of said block being beveled and arranged parallel to said inclined contact surface and being arranged to engage said contact surface with face to face contact responsive to inward movement of said threaded shaft into said housing.

2,599,638
TRAILER HITCH
George T. Huxford, Southington, Conn.
Application November 28, 1949, Serial No. 129,833
7 Claims. (Cl. 280—33.44)



4. Means for securing a hitch bolt to a vehicle, comprising a pair of semi-helical arms to wrap around the outer surface of the bumper of a vehicle said arms extending beyond and outwardly from the bolt, means associated with the bolt to secure said bolt to the chassis of a vehicle, and means at the free outwardly extended ends of the semi-helical arms for securing same to a vehicle.

2,599,639
MACHINE FOR SHARPENING TOOLS
Olaf A. Johnson, Irondequoit, N. Y., assignor to The Gleason Works, Rochester, N. Y., a corporation of New York
Application February 23, 1951, Serial No. 212,344
16 Claims. (Cl. 51—124)

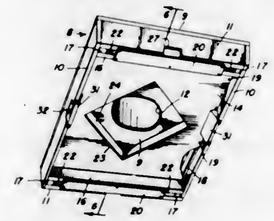


1. A machine for sharpening gear cutting tools and the like comprising a frame, a wheel spindle journaled in the frame, a head for supporting a tool to be sharpened, means for mounting a dressing element on said head, the head being mounted to move on the frame for carrying the tool and the dressing element across the active face of a wheel on the wheel spindle, a member connected to both the head and the frame, means on the head for shifting the head relative to said member to thereby move the head for carrying the tool across said face of the wheel, and means carried by the frame for shifting said member relative thereto to thereby move the head for carrying the dressing element across said face of the wheel.

2,599,640
COPOLYMERS OF CHLOROTRIFLUOROETHYLENE, AN OLEFINIC HYDROCARBON AND A VINYL CARBOXYLATE
Robert M. Joyce, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 4, 1944, Serial No. 548,135
4 Claims. (Cl. 260—80.5)

1. A copolymer of chlorotrifluoroethylene, vinyl acetate and ethylene in which the chlorotrifluoroethylene: vinyl acetate: ethylene mole ratio is 1:5.1:18.

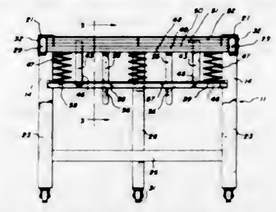
2,599,641
LID FOR FLOUR SIFTERS
Julius Jurkow, Sheridan, Wyo., assignor of fifty per cent to Sheridan Flouring Mills, Inc., Sheridan, Wyo., a corporation of Wyoming
Application January 26, 1948, Serial No. 4,229
3 Claims. (Cl. 209—372)



1. A lid for closing the top of a gyrating flour sifter, said lid having a central feed passageway therein adapted to pass flour therethrough into said sifter, a suction chamber in said lid surrounding said passageway adapted to draw air upwardly out of said sifter to dry the interior thereof, a suction nipple upstanding from said chamber adapted to be connected to a suction source for creating suction in said chamber, troughs in said lid at opposite sides of said chamber below the same into which flour drawn into the chamber with said air may settle under gyration of the lid with said sifter, said troughs being adapted to communicate with said sifter for feeding flour back into said sifter, and flues in said lid adapted to communicate said chamber with said sifter for drawing air out of the sifter.

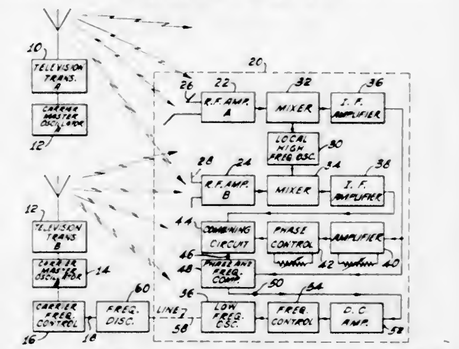
2,599,642
EXTENSION TABLE WITH LEAF ELEVATING MECHANISM
Seishichi Kato, Honolulu, Territory of Hawaii
Application January 13, 1950, Serial No. 138,392
3 Claims. (Cl. 311—46)

3. In an extension table including a table top, a movable frame, a plurality of leaves carried in stacked arrangement by the frame, supporting means on said frame extending beneath the top, and guide means for said supporting means, the improvement which consists of parallel beveled side edges formed on each of the leaves so that the side edge of one leaf overlies the side edge of an adjoining leaf and is disposed in abutting engagement therewith, said side edges being



formed with registrable recesses and interengaging connecting means mounted in said recesses.

2,599,643
RADIO TRANSMISSION SYSTEM
Ray D. Kell, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 24, 1949, Serial No. 72,386
6 Claims. (Cl. 250—6)



6. In a radio transmission system including at least first and second radio transmitters geographically spaced from each other, a carrier frequency control arrangement comprising in combination: control-signal-actuated means for controlling the carrier frequency of the first transmitter; apparatus located at a monitoring position permitting concomitant reception of the carriers of the first and the second transmitters, a local oscillator of substantially fixed and lower frequency than either the first or second carriers, means for heterodyning each of the received carriers with said local oscillator to produce first and second intermediate frequency signals, means including a variable gain amplifier and a variable phase control for combining a variable-amplitude variable-phase portion of said second signal with said first signal to provide a resultant signal in which interfering energy, derived from said second carrier, which may appear in said first signal, is cancelled, a frequency-responsive signal comparator circuit which developes a primary control signal in dependence upon the frequency difference between said first and second signals, a regulatory oscillator which generates a regulating signal having a frequency substantially below that of either said first or second signals, and means for varying the frequency of said regulating signal in accordance with the developed primary control signal; a frequency sensitive circuit which accepts the variable frequency regulating signal and developes a secondary control signal in accord-

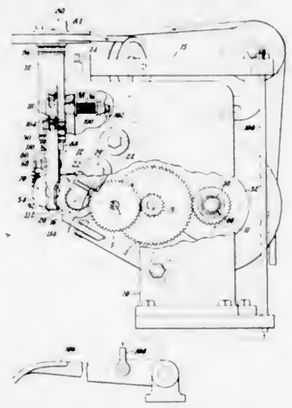
ance with variations in frequency thereof, and means for applying said secondary control signal to said first-named means to control the first transmitter's carrier frequency.

2,599,644
FLASH LAMP
Hubertus Pieter Keukens and Leo Henricus Verbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 28, 1950, Serial No. 146,796
In the Netherlands March 5, 1949
3 Claims. (Cl. 67—31)



2. A flash-light lamp comprising a bulb, an actinically reacting material therein, a colored lacquer layer on the outer surface of said bulb and a colored lacquer layer on the inner surface of said bulb, the colors of said layers being complementary so that the bulb appears colorless.

2,599,645
LASTING MACHINE
Norwood H. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 24, 1948, Serial No. 67,227
14 Claims. (Cl. 12—1)



14. A machine for progressively operating about the lasting margin of a shoe upper to tension and last the margin inwardly over the bottom of the shoe, comprising a rotary member progressively engageable with one side of successive marginal portions, means for mounting the member for rotation in a plane substantially perpendicular to said engaged portions and to the bottom of the shoe, drive means for rotating the member in a direction as to tension the upper heightwise of the shoe, a feed roll engageable with the opposite side of said portions adjacent said member and rotatable in a plane substantially parallel to the shoe bottom, and a rotary wiper adjacently positioned alongside the tensioning member for engaging the successive portions of the lasting margin as they are fed past the tensioning member and for wiping them inwardly over and into contact with the bottom of the shoe.

2,599,646
CURRENT-LIMITING FUSE
Frederick J. Kozacka, Amesbury, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application May 17, 1951, Serial No. 226,755
21 Claims. (Cl. 200—120)



1. A current-limiting fuse comprising a casing having an internal volume in the order of several thousandths of a cubic inch per kva. capacity, a pulverulent filler larger than No. 80 but smaller than No. 18 U. S. Standard Sieve Number in said casing, and a fuse link adapted to limit the maximum continuous current of said fuse to less than 36 amperes arranged in said casing in contact with said filler.

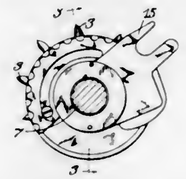
2,599,647
METHOD OF MAKING SIMULATED FLOWERS
George H. La Marque, Boston, Mass.
Application May 20, 1950, Serial No. 163,290
1 Claim. (Cl. 41—13)



The process of making a simulated flower which comprises shaping a substantially cylindrical member from a tuber, shaping one end of the cylindrical member to give it a relatively flat pyramidal shape having sector shaped flat faces each of which extends at a slight angle to a radial line and from the periphery of the cylindrical member to a common central point, making in said cylindrical member adjacent said end thereof a series of incisions, one incision for each of said flat faces, each incision being substantially parallel to the corresponding sector shaped flat face and having the same circumferential dimension as said face but extending only part way through said member in a radial direction, the adjacent incisions merging together thereby forming a plurality of petal-like portions, making in said cylindrical member a circular incision substantially concentric therewith which extends from the other end thereof to and meets the first-named incisions, removing and discarding the material of said member outside said circular incision and above the inclined incisions, thereby making a stump portion extending beyond the

petal-like portions, making in said stump portion near the base thereof a second series of inwardly and downwardly inclined incisions smaller in number than the first-named inwardly and downwardly inclined incisions, but in staggered relation thereto, each incision of the second series entering the stump portion at a point relatively near the base thereof and extending circumferentially through an angle substantially equal to that of the incisions of the first series, thereby forming a second series of petal-like portions within but smaller than the first-named petal-like portions, making in the end of the stump portion another circular incision which is substantially concentric therewith and which extends to the incision of the second series, removing from the stump portion and discarding the material thereof outside the circular incision formed therein, thereby leaving a second stump portion smaller and shorter than the first-named stump portion, and continuing such operations until the stump portion produced is too small to receive further incisions.

2,599,648
PIN-WHEEL FEEDING DEVICE FOR STATIONERY
Frederick Edward Lanegan, London, England, assignor to W. H. Smith & Son, Limited, London, England, a British company
Application March 24, 1947, Serial No. 736,728
In Great Britain November 15, 1946
3 Claims. (Cl. 197—133)



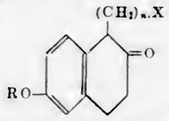
1. A pin-wheel feeding device for use in feeding continuous stationery past the writing position of a writing machine by engagement of the pins with marginal perforations in the stationery comprising a rotatable housing, a plurality of pins mounted in the housing for radial reciprocation with respect thereto and a circular cam ring engaging in a slot in the side of each pin, the cam ring being held by a fixed cam plate eccentrically of the axis of rotation of the housing and being of such dimensions in relation to the pins and housing and so arranged that on rotation of the housing the pins will be carried around the ring and reciprocated into and out of the housing, there being at any time three pins extending from the housing for full feeding engagement with the stationery.

2,599,649
ACETYLENE SOLUTION
Lothar Lorenz, Ludwigshafen-on-the-Rhine, Germany
No Drawing. Application August 9, 1951, Serial No. 241,159. In Germany August 31, 1950
4 Claims. (Cl. 252—1)

3. A composition of matter consisting essentially of a solution of acetylene in a N-alkyl pyrrolidone the alkyl radical of which is a saturated hydrocarbon radical not containing more than 3 carbon atoms.

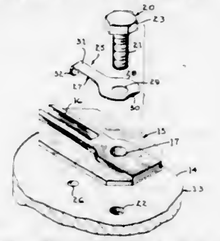
2,599,650
6-ALKOXY-2-TETRALONES
Max Matter, Worb, near Berne, and Hans von Sprecher, Gumligen, near Berne, Switzerland, assignors to Haco-Gesellschaft A. G., Gumligen (Canton Berne), Switzerland, a Swiss company
No Drawing. Application November 28, 1950, Serial No. 198,026. In Switzerland November 30, 1949
7 Claims. (Cl. 260—465)

1. As new compounds, the β-tetralones of the general formula



wherein R is alkyl, n is an integer from 2 to 3 and X is a member selected from the group consisting of —CN and —COO-alkyl.

2,599,651
NAIL HOLDER
Louis A. McClung, Denver, Colo.
Application December 15, 1950, Serial No. 200,924
3 Claims. (Cl. 145—30)

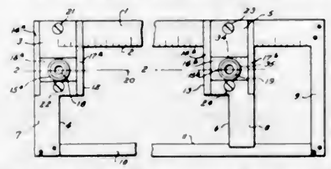


1. A nail holder for attachment to a hammer head including a plane surface comprising a base plate fabricated of resilient material arranged in a nail supporting position in abutting and confronting relation with respect to said plane surface, said base plate being provided with a longitudinally extending slot having an open end for embracingly receiving a nail, bolt means extending transversely through said base plate and rotatably supported in said hammer head for mounting said base plate for movement from said nail supporting position to a nail receiving position with the open end of the slot projecting beyond said plane surface for the insertion therethrough of the nail, and a catch and lock means operatively connected to the assembly of said base plate and bolt for non-rotatably securing said assembly together and engageable within a depression provided in said plane surface for holding said base plate in said nail supporting position wherein said plane surface and base plate cooperate to support the nail in a driving position, said catch and lock means including an elongated body having one end formed into a depending ear extending transversely through said slot contiguous to and spaced from the open end thereof.

2,599,652
LAYOUT OR HOLE LOCATING DEVICE
Reginald Fawn Mitchell, Mount Vernon, N. Y.
Application November 7, 1945, Serial No. 627,150
8 Claims. (Cl. 33—189)

1. A layout and hole locating and checking device consisting of a frame of one or more mem-

bers of which one edge of one of the members functions as a control or guide edge and on which frame is mounted a fixed head and a movable head arranged so as to permit the heads to be controllably separated to very precise measurements, said heads having accurately bored guide holes in them arranged so that the centers of said guide holes are the same distance away from the said control guide edge at any position of the movable head and with the bottom of the device being flat so that the axes of said guide holes are exactly vertical to the work at any setting when the device is laid on a flat work surface, said heads also being made so the axes of the guide holes in them remain exactly parallel to each other at any setting, one or both heads also being equipped with an optical alignment unit fitted with a centering reticule and with the axis of said optical aligning unit being exactly vertical to the work at all settings when the device is laid on a flat work surface, said control edge



being calibrated so the zero of the scale on it is in line with the center of the guide hole in the fixed head and with the movable head having an index mark or the zero of a vernier calibration on it in line with the center of the guide hole in the movable head, said optical aligning unit on the fixed head being movably arranged so that the said reticule can be centered over the center of the guide hole in that head and with the optical aligning unit on the movable head being movably arranged to center with respect to the guide hole in the movable head at one setting and with the index mark or vernier zero on the movable head at the other setting in such a way as to permit accurate reading of the scale calibration on the control edge and thus the distance apart by which the guide holes are set, both optical aligning units being movable sufficiently clear of the said guide holes to permit a drill, scriber, centerpunch or suchlike device to operate vertically with respect to the work when guided by said guide holes.

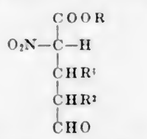
2,599,653

GAMMA-NITRO-GAMMA-CARBALKOXY BUTYRALDEHYDES AND PROCESS

Owen A. Moe and Donald T. Warner, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware

No Drawing. Application June 20, 1951, Serial No. 232,654
8 Claims. (Cl. 260—483)

1. Aldehydo compounds having the following formula



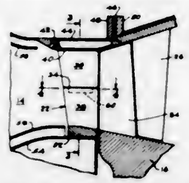
in which R is a lower alkyl group containing from 1 to 4 carbon atoms, and R^1 and R^2 are selected from the group consisting of hydrogen and methyl.

2,599,654

STATOR BLADE CONSTRUCTION

Solomon Musikant, Lodi, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application April 4, 1949, Serial No. 85,359
10 Claims. (Cl. 230—133)



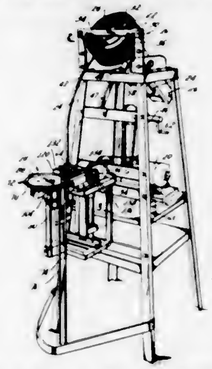
1. A stator blade structure for a turbine, compressor or the like; said structure comprising means providing a first annular wall; means providing a second annular wall co-axial with and surrounding said first wall; and a plurality of circumferentially spaced blades bridging the annular space between said walls, each of said blades having a split two-part construction, the one part of each blade being supported as a cantilever and extending inwardly from the outer of said walls, the other part of each blade being supported as a cantilever and extending outwardly from the inner of said walls.

2,599,655

SORTING MACHINE

Franz Netschert, Glendale, Calif., assignor to Technical Glass Company, Los Angeles, Calif., a corporation of California

Application September 23, 1947, Serial No. 775,679
3 Claims. (Cl. 209—72)



1. A sorting machine for headless parts such as set screws and the like, including: a frame member; a hopper mounted on an upper part of said frame and having an inclined bottom plate; means for rotating said plate in a step by step manner, a radially arranged series of grooves in the upper surface of the inclined plate of a diameter substantially equal to that of the parts and arranged in an outer annular zone of the surface of the plate, bores aligned with said grooves and arranged in an inner annular zone of the surface of the plate, and a central opening in the inclined plate; a stationary head carried on a frame member and positioned in said central opening and having an inclined passage therethrough of the same diameter as the bores, one of the bores and upper end of the passage being aligned at the end

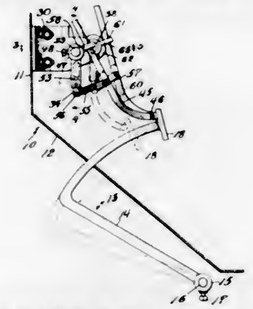
of each movement of the plate; a horizontal rotatory selector plate mounted below said hopper and provided with circumferentially spaced bores, a feed tube leading from an outlet from said hopper to a point above said selector plate, a connection at the lower end of said passage to receive the upper end of said feed tube maintaining the parts in end to end relation; means effective to maintain the registration of said bores and passage until the next rotary movement of the plate; movable selector means to which the parts are delivered; and operating means effective to move the elements of the machine in timed relation.

2,599,656

ATTACHMENT FOR DUAL PEDAL CONTROL FOR AUTOMOBILES

Philip A. Ostrow, Providence, R. I.

Application May 10, 1951, Serial No. 225,540
4 Claims. (Cl. 74—562.5)



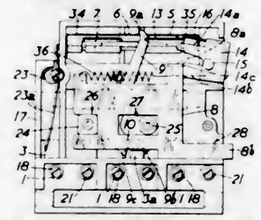
1. In combination with an automobile having a fire wall and a foot pedal with a lever extending through the fire wall, a pair of brackets secured to the fire wall each carrying a bearing, a shaft in said bearings, a radially extending arm secured to said shaft to move therewith in substantially the plane of the movement of said pedal lever, a member pivotally connected to said pedal and slidably guided and resting upon means located adjacent the axis of said shaft and a link connecting said arm and said member at a location between said pedal connection and said resting means, and means at the other end of said shaft to rotate the same.

2,599,657

ELECTRICAL SWITCH MECHANISM

Frederick James Pavitt, Brighton, England, assignor to Allen West and Company Limited, Brighton, England, a British company

Application March 8, 1950, Serial No. 148,317
In Great Britain February 28, 1949
13 Claims. (Cl. 200—106)



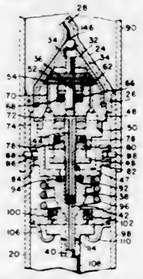
1. An electrical switch mechanism comprising an actuating element movable to an operative position and returnable to a non-operative position, a lever pivotably mounted between its ends on said actuating element, a switch element movable along a given path in one direction to a switch closing position and in the other direction to a switch opening position, means biasing said switch element to said switch-opening position, a tripping element having a normal position and a tripping position, means for maintaining said tripping element at said normal position in response to the electrical conditions in the circuit controlled by said switch being normal, and for moving said tripping element to said tripping position in response to said electrical conditions being abnormal, said tripping element, at its normal position, being located to engage and retain one end of said lever, upon said actuating element being moved from its inoperative to its operative position, whereby the other end of said lever is moved, and said other end being located to engage said switch element by such movement and convey it to the switch closing position, and said tripping element, upon moving to the tripping position, disengaging and releasing the first-named end of said lever, whereby said switch element is returned by said biasing means to said switch-opening position.

2,599,658

MANUALLY OPERATED PRESSURE FEED FOUNTAIN TOOTHBRUSH

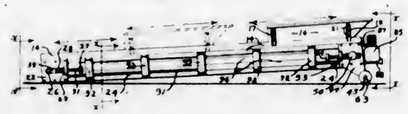
Ludwig F. Perwas, Bronx, N. Y.

Application March 1, 1946, Serial No. 651,349
3 Claims. (Cl. 222—387)



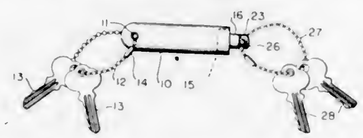
1. In a fountain toothbrush, the combination, which comprises, an elongated substantially hollow tubular handle, oval shape in cross section, a tubular offset neck removably mounted on the end of the handle, a brush head having bristles on one side with outlet openings adjacent the bristles removably mounted on the end of the neck, a transverse partition with passages extending therethrough in the end of the handle from which the neck extends, said neck having a transverse opening therethrough, a valve member positioned in the end of the handle and extending into the transverse opening of the neck, a valve on said valve member controlling inlet and outlet air passages in the valve member, a piston having a slot therethrough and valves therein slidably mounted in said handle, a spring urging the piston away from the partition, a closure member in the outer end of the handle, a tubular stem longitudinally slidable in said closure member having a knob on the outer end and a valve plate on the inner end and positioned against the piston, spring fingers holding the plate against the piston, said plate having an opening therethrough positioned to register alternately with the slot through the piston and with the valves therein, and a sleeve in said closure member having a threaded socket in the outer end adapted to receive the knob at the outer end of the stem extending from the piston whereby the knob may be released to reciprocate the piston.

2,599,659
PORTABLE POWER-DRIVEN COAL CONVEYER
Harold B. Phillips, Wichita, Kans., and Clarence S. Phillips, Memphis, Mo.
Application June 23, 1948, Serial No. 34,648
2 Claims. (Cl. 198—57)



1. In a portable conveyor device of the kind described; the combination of a conveyor frame, an endless belt carried on rollers, said rollers being positioned one at each end of the frame, said frame having a trough formed therein and said belt forming the bottom of the trough, a power unit carried by said frame for driving one of said rollers and belt, said power unit being hookably mountable and demountable on and from the frame for ease of handling the frame, an open bottom hopper, said hopper being longitudinally slidably carried on said frame and over said belt for purposes of discharging its contents on said belt at any selected point along said frame.

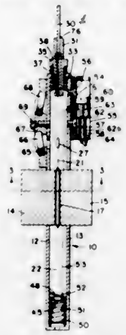
2,599,660
QUICK DISCONNECT KEY HOLDER
Paul T. Poutinen, Manhasset, N. Y.
Application April 4, 1950, Serial No. 153,852
2 Claims. (Cl. 70—457)



1. A quick detachable key holder comprising an elongated tubular body closed at one end and having a key chain supporting unit closing the other end of the body including a tubular casing and a spring controlled stem slidable in said casing, said stem having a notched portion adapted to coact with said tubular casing for detachably receiving a key chain and means for holding the stem in moved position including a pin carried by the stem adapted to abut against the end of the tubular casing.

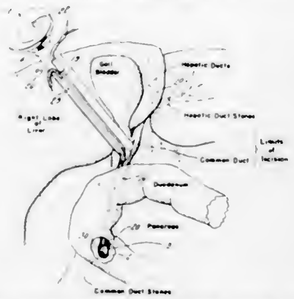
2,599,661
SUSPENSION GALVANOMETER AND MAGNET ASSEMBLY
Arthur D. Richardson, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application March 12, 1951, Serial No. 215,032
9 Claims. (Cl. 171—95)

1. In combination with a galvanometer comprising an elongated casing within which there is located a galvanometer coil suspended between a pair of wires held in tension within the casing, and a pair of magnet pole pieces extending through the casing and leaving an air gap between the pole pieces within which the coil is located and a mirror held by one of the wires, a magnet comprising a pair of magnet poles provided with oppositely located slots within which the respective pole pieces fit, said pole pieces being movable within the slots, to allow for tilting



the galvanometer, and a cam at the top of each slot to adjust the tilt.

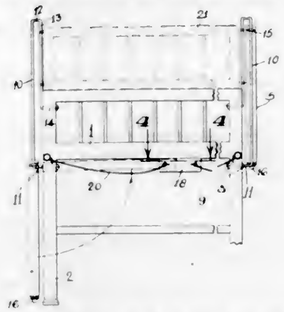
2,599,662
CHOLEDOCHOSCOPE
Randolph R. Rosenbaum, Philadelphia, Pa.
Application February 2, 1950, Serial No. 142,040
2 Claims. (Cl. 128—6)



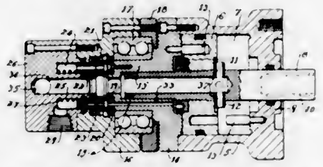
1. In a choledochoscope, a first tube having a lens at one end and a reflecting prism at the other end, a second tube joined to said first tube and having a lens on one end, a third tube adjacent said second tube for supplying water to a location near the lens on said second tube, an electric light adjacent the lens of said second tube to provide light for inspecting the interior of a wound, and a pair of flexible forceps adjacent to said second tube whose ends are adapted to grasp objects near the lens on said second tube.

2,599,663
SIDE RAIL FOR BEDS
Alma W. Schutzer, San Francisco, Calif.
Application April 24, 1948, Serial No. 22,999
3 Claims. (Cl. 5—331)

1. In a bed having upright corner posts, a pair of substantially parallel upright guide rods secured to and arranged in spaced relation to the posts, the said guide rods having inwardly disposed upper and lower extensions secured to the posts, a side rail adjustably mounted on the guide rods, projecting eye means secured to the ends of the rail adjacent the upper edge thereof, the said eye means being slidably connected to the guide rods, and adjustable members mounted on the ends of the rail near the bottom edge thereof, the said adjustable members when in one of their correspondingly adjusted positions being adapted to rest on the lower extensions of the guide rods, whereby the side rail is supported in a substantially vertical position, and when the adjustable members are in another corresponding adjustable position they are disengaged from the lower extensions of the guide rods.



2,599,664
SWIVEL CONNECTION FOR AIR-OPERATED CHUCKS
Harry E. Sloan, Hartford, Conn., assignor to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut
Application March 1, 1950, Serial No. 146,943
4 Claims. (Cl. 121—38)

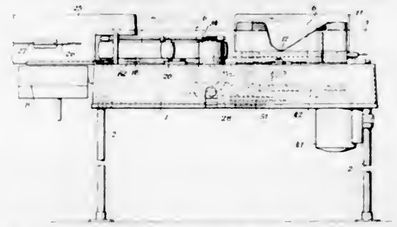


1. In combination with a cylinder having a chamber therein and a piston slidably mounted in said chamber, a spindle secured to said cylinder, an operating shaft extending through said piston and slidable in said spindle and extending through the bottom wall of the cylinder, a housing journalled on the spindle, a coaxial chamber in said housing, an annular chamber surrounding the said coaxial chamber, an annular sleeve slidable in the annular chamber and separating it from the coaxial chamber, sealing means between said sleeve and housing, a seal between said sleeve and the end of the spindle, a coaxial passage in said shaft communicating with the said coaxial chamber through said seal and extending through the piston, and passages communicating said coaxial passage in the shaft with the cylinder chamber.

2,599,665
ACID SHAMPOO
Alfred W. Stephan, Baldwin, N. Y., assignor to Natcon Industries, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 9, 1950, Serial No. 148,741
2 Claims. (Cl. 252—142)

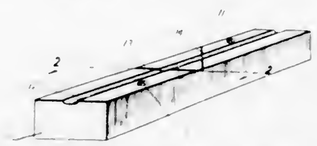
1. An acid shampoo which has a pH of more than 5.5 and less than 7, is stable in aqueous solution, forms a stable and abundant aqueous foam, and consists of about 3% of ammonium chloride, about 33% of lauryl sulfate aqueous solution, about 9% of a 70% by weight aqueous solution of sorbitol-borate and water.

2,599,666
GUMMING AND PASTING MACHINE
Charles A. Surridge, Herne Hill, London, England, assignor to The Sulby Engineering Development Company Limited, London, England
Application August 31, 1949, Serial No. 113,258
In Great Britain September 3, 1948
10 Claims. (Cl. 11—1)



1. Apparatus for pasting together a pair of edge portions of a pair of sheet members, respectively, comprising, in combination, a rotatably mounted disc; means for rotating said disc; means located adjacent to a part of the peripheral edge portion of said disc for applying a paste material to the peripheral edge portion of at least one face of said disc during rotation thereof; means located adjacent to another part of the peripheral edge portion of said disc for moving said pair of sheet members in side by side relation to each other with said edge portions confronting each other and in a direction substantially tangential to said disc, said disc projecting between said confronting edge portions of said sheet members so that said edge portions are located on opposite faces of said disc and overlap a part of the peripheral edge portion thereof, whereby at least one of said confronting edge portions of said sheet members will have paste applied thereto by said rotating disc; and means located in the path of said sheet members after the same have passed by said disc for conveying said sheet members away from said disc with said confronting edge portions at least partly pasted together and for simultaneously pressing said sheet members together so that they will be joined at the edge portions thereof by said paste.

2,599,667
SPLICING BLOCK
Joel Tall, New York, N. Y.
Application November 28, 1950, Serial No. 197,901
1 Claim. (Cl. 154—42.3)



A sound tape splicing block of the character described having a longitudinal groove along its top face, said groove being slightly narrower than the sound tape to be spliced, the sides of said groove having a slight angle from the verti-

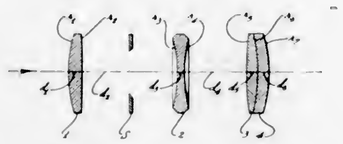
cal in such a manner that its outer edge will be narrower than at the bottom of the groove, said groove, furthermore, having a slight concave curvature in its bottom, and said block having a plurality of transverse grooves which traverse said longitudinal groove at ninety and forty-five degrees.

2,599,668
RADIATOR CAP AND STEAM BAFFLE WRENCH
Calvin R. Taylor, Tampa, Fla.
Application June 22, 1950, Serial No. 169,725
3 Claims. (Cl. 81—90)



1. A radiator cap wrench including a socket head of tapered construction, embodying an inner curved section and an outer curved section of a size less than the inner section, said sections being connected by outwardly bulged sections providing internal passageways in which lugs of a radiator cap are held securing the wrench to the radiator cap against rotary movement with respect to the radiator cap, and a handle extending from the head of the wrench.

2,599,669
THREE-COMPONENT FOUR-ELEMENT OBJECTIVE
Philip H. Taylor, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application May 9, 1950, Serial No. 160,885
1 Claim. (Cl. 88—57)



A four element objective comprising three coaxial components of which the first is a bi-convex lens, the second a negative bi-concave lens and the third is a bi-convex lens cemented to a concave-convex lens, the objective being spherically corrected at D, F, and *h* wavelengths, and chromatically corrected at D and *h* wavelengths to provide a well corrected field of at least five degrees, and having a prescription as follows:

Prescription	Glass	N_D	N_F	N_h	V
$r_1=3.146$ $d_1=.280$ $r_2=-65.64$ $d_2=1.621$ $r_3=-3.213$ $d_3=.140$ $r_4=2.892$ $d_4=.896$ $r_5=10.062$ $d_5=.200$ $r_6=-3.704$ $d_6=.220$ $r_7=-2.880$	BSC-2 DF-2 LBC-2 BF-3	1.51700 1.61700 1.57250 1.57044	1.52262 1.62904 1.57853 1.57884	1.53043 1.64740 1.58951 1.59118	64.5 36.6 57.4 48.1

where

r is the radius length for an element surface;

d is the axial thickness of an element;

N_D is the index of refraction for the D line of sodium (5893 Å);

N_F is the index of refraction for the F line of hydrogen (4861 Å);

N_h is the index of refraction for the *h* line of mercury (4047 Å); and

$$V=\frac{N_D-1}{N_F-N_h}$$

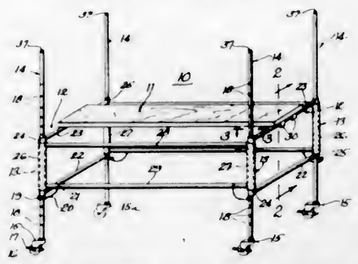
BSC–2 is a type of boro-silicate crown glass well known in the art;

DF–2 is a type of dense flint glass well known in the art;

LBC–2 is a type of light barium crown glass well known in the art; and

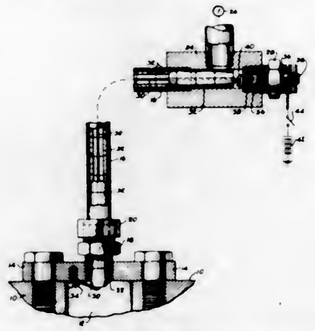
BF–3 is a type of barium flint glass well known in the art.

2,599,670
FOLDABLE SCAFFOLD FOR HOUSEHOLD USES
George G. Thomas, Chicago, Ill.
Application February 1, 1950, Serial No. 141,664
1 Claim. (Cl. 304—29)



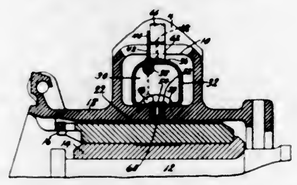
In a folding scaffold for household use, comprising two identical side frames, each having a first pair of short vertical corner tubes joined by long horizontal tubes, two identical end frames, each having a second pair of vertical corner tubes, long enough to project at each end from the first vertical corner tubes in which the second vertical corner tubes are rotatably mounted and confined by being welded at each end to a second pair of longer horizontal tubes, forming a foldable parallelogram frame, four elongated vertical leg tubes, each leg tube being slidably mounted in one of the said second vertical corner tubes and each leg tube having a multiplicity of transverse apertures, a transverse pin in one of the apertures of each leg tube, said pins being engaged by the lower ends of said second corner tubes, and an elongated plank overlapping the end frames when the parallelogram frame is rectangular in plan, said plank having a pair of downwardly extending two-legged spring clips at each end, said slips being formed with partially cylindrical portions receiving the horizontal tubes of the end frames, to hold the scaffold in open rectangular position and to retain the plank on said horizontal tubes, said clips also being of sufficient size to clamp two of said corner tubes to secure the plank and frames together in folded position.

2,599,671
FLUID CONDUIT HEATING MEANS
Richard A. Thompson, West Orange, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application December 7, 1946, Serial No. 714,887
1 Claim. (Cl. 73—432)



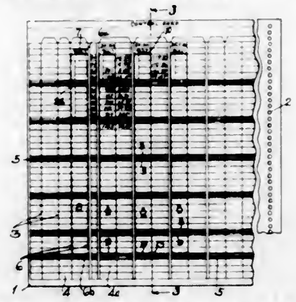
In combination; an engine having an oil pressure passageway therein providing a source of oil pressure; pressure responsive indicating means disposed at a point remote from said engine; and means for transmitting oil pressure from said engine passageway to said indicating means, said pressure transmitting means comprising a conduit having at least one bend and disposed exteriorly of said engine and having one end communicating with said engine passageway and having its other end communicating with said indicating means, a plurality of hollow beads of insulating material disposed in end-to-end relation in said conduit, an electrical conducting resistance wire extending through said beads and into said engine passageway, said wire having a diameter substantially smaller than the internal diameter of said hollow beads to permit the transmission of oil pressure through the hollow interior of said beads, and electrical terminal means connected to the ends of said wire, and extending exteriorly of said conduit, at least one of said terminal means being insulated from said conduit.

2,599,672
WARNING AND LUBRICATING DEVICE FOR HOT JOURNALS
Michael C. Toth, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 31, 1946, Serial No. 687,339
8 Claims. (Cl. 308—79)



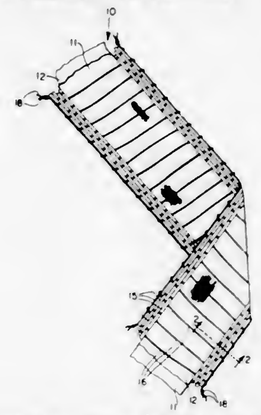
1. The combination with a railway car truck frame having a journal box secured thereto and supported on an axle journal, of a self-contained signal and journal lubricating unit inserted as a unit into the truck frame above the journal box and adapted to be secured in the journal box and fully protected by the truck frame.

2,599,673
ACCOUNTING SHEET
Fred W. Trumbull, Los Altos, and Robert C. Howard, Atherton, Calif.
Application September 25, 1950, Serial No. 186,588
2 Claims. (Cl. 283—66)



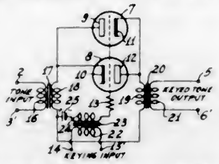
1. An accounting form comprising a blank sheet having a plurality of lines arranged in parallel relationship to provide columns for the receiving of bookkeeping entries, a detachable elongated strip forming an integral portion of the sheet, the said strip constituting a substantial portion of one of said columns before its detachment from the said sheet, a plurality of transverse cuts in the sheet extending transversely across other columns, whereby openings are provided in the sheet for the threading of the strip, an identifying index mark on the end of the strip, and an opening in the sheet through which the index mark on the strip is visible when the said strip is in a transferred position.

2,599,674
RIBBON OR THE LIKE
Harry Veeder, Great Neck, N. Y.
Application September 19, 1951, Serial No. 247,203
5 Claims. (Cl. 139—420)



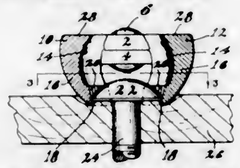
1. A decorative ribbon of the character described, comprising a center, warp-wise extending section consisting of cut, narrow woven textile fabric, said center section having its two surfaces different from one another in appearance, a section formed of at least one relatively narrow, warp element formed of non-woven light-reflecting sheet material along each edge of said center section, and weft thread interweaving said center section with each of said warp elements into unitary structure.

2,599,675
TONE KEYER
Philip E. Volz, Florham Park, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 14, 1950, Serial No. 200,716
15 Claims. (Cl. 250—27)



1. A tone keyer circuit, comprising tone input terminals and tone output terminals, a pair of parallel-connected controllable unidirectional electron flow devices connected between the input terminals and the output terminals, said pair of devices being connected to conduct in opposite directions and each having a control electrode for control of the electron flow in the respective device, and means for applying a keying voltage to the control electrodes of said devices to control the electron flow therein.

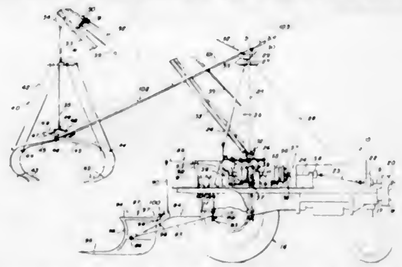
2,599,676
BOLT HOLDING PLIERS
Reinhard P. Wagner, Spokane, Wash.
Application May 21, 1948, Serial No. 28,289
1 Claim. (Cl. 81—13)



A bolt holding tool of the plier type comprising handles pivotally connected in side by side relation to each other and having portions projecting forwardly and constituting jaws, the jaws being extended downwardly beyond the handles and being arcuate longitudinally and having inner and outer side faces converging forwardly, the said jaws having wide upper faces flat through their area and having their inner and outer side faces arcuate vertically and converging downwardly, the said inner side faces of the jaws being inwardly thickened below their downwardly arcuate portions and forming inwardly offset marginal surfaces along their lower portions bordered by shoulders along their upper edges and extending downwardly at an incline and defining downwardly converging bevelled surfaces having their lower edges intersecting lower edges of the outer surfaces of the jaws and forming sharp lower edges for the jaws, the said marginal surfaces being formed with vertically extending ribs forming teeth adapted to grip the periphery of a bolt head engaged between the said marginal surfaces of the jaws.

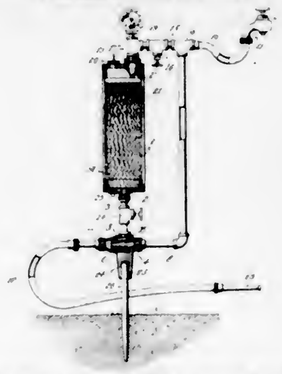
2,599,677
LOADER
Frumence Waguespack, Burnside, La.
Application August 9, 1946, Serial No. 689,453
6 Claims. (Cl. 212—42.5)

1. In a stalk loader of the type which includes a support carrying a stalk gathering scoop, a boom mounted on the support adjacent the scoop to swing about a vertical and a horizontal axis and a grab suspended from the boom for vertical movement relative thereto, a vertically disposed mast movable with the boom about the vertical axis, and spaced parallel extensible rods pivotally



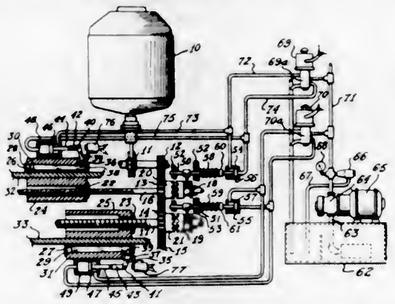
supported atop the mast and coupled to the grab for holding said grab against side sway, and stops on the rods to restrict the extensibility thereof and the travel of the grab from the pivotal connection of the rods to the mast.

2,599,678
SPRAYING APPARATUS
Walter Walker, Short Hills, N. J.
Application May 11, 1949, Serial No. 92,604
2 Claims. (Cl. 299—83)



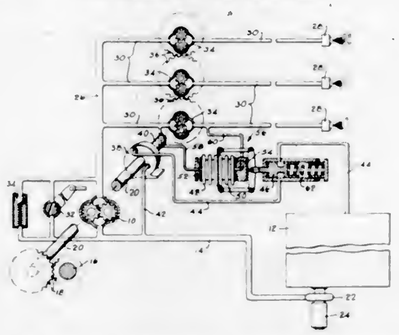
1. A spraying apparatus comprising a container to hold a liquid concentrate under pressure and having an inlet opening at its upper end and an outlet opening at its lower end, a mixing device having a mixing chamber connected to said outlet opening of the container, said chamber having an inlet passage for another liquid to be mixed with the liquid concentrate from said container, and also having an outlet for the liquid mixture, means for connecting said inlet opening of the container and said inlet passage of said mixing device to a common source of liquid supply, and a distributing nozzle connected to said outlet of the mixing chamber, said inlet opening being located above the level of said concentrate in the container and the capacity of said inlet opening being so related to the capacity of said outlet opening that the concentrate withdrawn through said outlet opening from the container is constantly and completely replaced by a liquid entering said inlet opening of the container and said liquid mixture is discharged from said outlet opening of said container at substantially uniform strength until said concentrate is substantially exhausted from said container.

2,599,679
MACHINE TOOL CONTROL
John M. Walter, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application September 16, 1947, Serial No. 774,282
3 Claims. (Cl. 29—33)



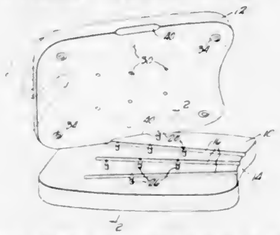
1. In a machine tool having a motor and a number of elements selectively driven by said motor, power transmission means between said motor and each of said elements, each of said power transmission means including a clutch, means for clamping each of said elements against movement, normally ineffective control means for each of said clutch and clamping means, means for optionally rendering one of said control means effective, and means responsive to actuation of the selected control means to simultaneously actuate the corresponding clutch and clamping means to produce engagement of one and disengagement of the other, a starting switch for said motor, an enabling switch for said motor associated with each of said clamping means in position to be actuated by the disengagement of said clamping means, said enabling switches being connected in parallel with each other, and in series with said starting switch, whereby said motor cannot operate said element upon closing of said starting switch until its enabling switch is closed by the disengagement of its clamping means.

2,599,680
LIQUID DISTRIBUTING SYSTEM
Walter L. Weeks, Wyckoff, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 26, 1947, Serial No. 770,737
12 Claims. (Cl. 299—58)



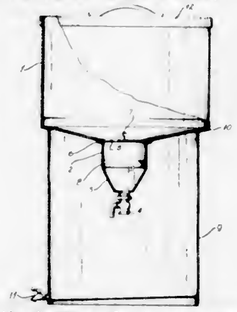
1. A liquid distributing system comprising a manifold; a plurality of discharge nozzles arranged to discharge into regions of substantially the same pressure; a plurality of passageways, one for each nozzle, for supplying liquid from said manifold to said nozzles; a plurality of similar positive-liquid-displacing rotary devices, one in each of said passageways; means gearing said devices together to insure their rotation at the same speed; means external to said devices and drivably connected thereto; means for automatically controlling the power output of said external means such that an increase in the pressure difference across one of said devices results in a change in said power output so as to reduce said pressure difference; and means for varying the rate of liquid flow into said manifold.

2,599,681
CARVING BOARD UNIT
Horace P. Wells, South Bend, Ind.
Application February 8, 1950, Serial No. 143,025
2 Claims. (Cl. 146—215)



1. A carving board unit comprising a flat wood panel, a plurality of spaced rigid pointed pins carried by and projecting perpendicularly from the top face of said panel, a second flat wood panel having a plurality of apertures in its bottom face extending partly therethrough and arranged similarly to said pins, said apertures extending only partially through said second panel and each having a snug slide fit on a pin, and yielding members carried by and projecting from the bottom of said second panel and serving to space said panels when they are superimposed, said apertures being of a depth to receive said pins with the points of said pins spaced from the inner ends of the apertures.

2,599,682
METHOD, APPARATUS FOR MAKING COFFEE BEVERAGES
Arthur F. Wirtel and Erwin Knoesel, Glendale, Mo.
Application May 11, 1946, Serial No. 669,137
7 Claims. (Cl. 99—71)



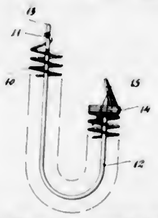
1. The method of producing an aqueous coffee extract for making coffee beverage comprising mixing ground roasted coffee with cold water,

maintaining the mixture at a temperature below 50° F., and passing the extract liquor through porous artificial chemically inert stone having an effective pore diameter varying from .010 to .012 inch.

2,599,683
GREASE COMPOSITION
Stanley T. Abrams and Fred H. Stross, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 3, 1949, Serial No. 91,229
11 Claims. (Cl. 252—25)

7. A grease composition comprising a lubricating oil, 5 to 40% by weight of said composition of a substantially anhydrous inorganic gel of an amphoteric metal, said gel retaining in the composition the gel structure substantially as originally formed, and 2 to 20% by weight of said gel of a lipophilic acid containing at least one hydrocarbon radical having at least 10 carbon atoms and being selected from the group consisting of phosphinic acids, phosphonic acids, fatty acids, aliphatic dicarboxylic acids, amino fatty acids, sulfonic acids, and naphthenic acids.

2,599,684
SPARKLER FISHHOOK
Hans H. Bakken, Pueblo, Colo.
Application June 17, 1949, Serial No. 99,597
1 Claim. (Cl. 43—42.24)



A sparkler fish hook comprising a hook shaft shaped as an inverted U having parallel shank portions one of which is formed with a loop at its end while the other shank portion has at its end a prong section which is downwardly inclined toward the above first mentioned shank portion, a longitudinal coiled spring through which said hook shaft is extended having one end secured directly to the loop formed at the end of one of said shank portions while its other end terminates at the half-way point of said prong section and encompasses the lower portion of the same, and a sparkling shell member whose base portion is arc-shaped in cross-section on a radius which is equal the inner radius of the coils of said spring being inserted into and secured to that end portion of said spring which encompasses the lower portion of said prong section, said shell member being upwardly inclined toward said prong section and resting against and extending over the upper extremity of said prong section to constitute a shield therefor.

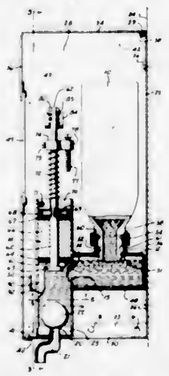
2,599,685
CIGAR VENDING APPARATUS
Martin M. Berger and John Morales, New York, N. Y.
Application September 4, 1946, Serial No. 694,774
2 Claims. (Cl. 312—46)

1. A cigar vending machine including in combination a magazine for holding an upright stack of cigars superposed on each other and lying horizontal on their long axes, and means for feeding the bottom cigar from the stack comprising an ejection member completely underlying and supporting the bottom cigar along its long axis thereof, means for rearwardly withdrawing the ejection member from beneath the cigar causing it to fall downwardly into ejecting position, spring urged means for moving said



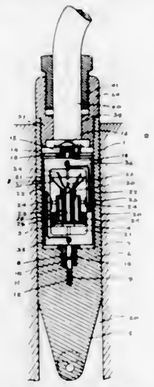
ejection member forwardly to its original position to eject the fallen cigar laterally along its long axis, and a gate member positioned opposite said ejection member and spring urged to engage the opposite side of the fallen cigar along its long axis to resiliently oppose the ejecting movement of said ejection member whereby the cigar is gripped along its long axis on opposite sides as it is being ejected.

2,599,686
LOTION DISPENSER
Wade W. Bowman, Dallas, Tex.
Application July 1, 1947, Serial No. 758,253
In Canada June 26, 1947
5 Claims. (Cl. 222—340)



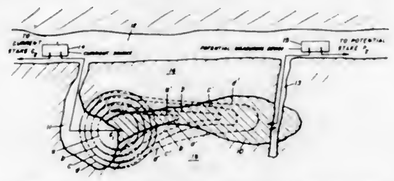
1. A liquid dispenser including in combination a reservoir for holding liquid to be dispensed, a chamber communicating with the reservoir for receiving a measured quantity of liquid therefrom, a piston movable into the chamber for forcing liquid from the chamber, a liquid outlet from the chamber, a valve for normally closing said outlet, a member operated by movement of the piston into the chamber for opening the valve, said member acting to hold the valve open during a part of the return movement of the piston from the chamber, the valve being detached from the piston and movable relatively thereto, the piston and chamber being arranged to create suction within the chamber during said return stroke so as to retract partially expelled liquid from the outlet.

2,599,687
DRILL HOLE MAGNETOMETER APPARATUS
Arthur A. Brant, Toronto, Ontario, Canada, assignor to Geophysical Exploration Company, New York, N. Y., a corporation of Delaware
Application April 23, 1949, Serial No. 89,335
In Canada November 10, 1948
9 Claims. (Cl. 175—182)



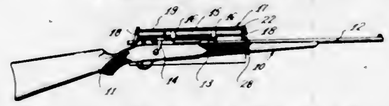
1. In a drill hole magnetometer apparatus, a longitudinal cylindrical non-magnetic waterproof casing, an eccentrically-weighted frame pivoted within said casing to rotate about an axis coinciding with the axis of said casing, a second eccentrically-weighted frame pivoted to said first-mentioned frame to rotate about an axis at right angles to the axis of said first frame, a detector element suspended from, and disposed within, the said second frame, and leads extending through said casing and in electrical contact with said detector element.

2,599,688
RESISTIVITY METHOD FOR DETERMINING ORE CONTINUITY
Arthur A. Brant, Clarkdale, Ariz., assignor to Newmont Mining Corporation, New York, N. Y., a corporation of Delaware
Application January 17, 1951, Serial No. 206,497
3 Claims. (Cl. 175—182)



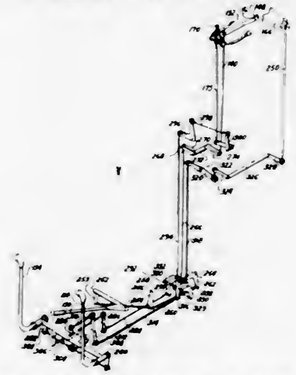
1. The method of establishing whether or not ore continuity exists between two spaced zones of ore occurrence wherein such zones are separated by relatively barren ground, said method comprising impressing a current flow of known magnitude between a pair of current electrodes, one current electrode contacting one of the zones of ore occurrence and the other current electrode contacting the surrounding ground at a point relatively far removed from such zone of occurrence, and measuring the resulting potential appearing across a pair of pick-up electrodes one pick-up electrode contacting the other zone of ore occurrence and the other pick-up electrode contacting the surrounding ground at a point well removed from the said current electrodes.

2,599,689
SIGHT AND ACTION COVER FOR GUNS
Harry W. Brelsford, Santa Barbara, Calif.
Application October 6, 1947, Serial No. 778,082
9 Claims. (Cl. 42—1)



1. A gun cover for guns having an action and a telescopic sight comprising: a pair of transparent optical elements adapted to be disposed one on each end of the telescopic sight; and a resilient cape secured to the elements and adapted to drape downwardly to pass over the gun action.

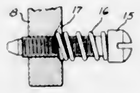
2,599,690
HELICOPTER CONTROL
Michel D. Buivid, Milford, and Ralph Paul Alex, Stratford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 16, 1945, Serial No. 599,920
11 Claims. (Cl. 170—160.25)



6. In a rotary wing aircraft, a drive shaft rotatable about its longitudinal axis, a rotor driven by said shaft having variable pitch blades, mechanism for varying the pitch of said blades, swashplate means axially movable and tiltable relative to the axis of said shaft, linkage means pivotally connecting said swashplate means with said pitch varying mechanism for varying the pitch of said blades collectively upon axial movement of said swashplate means and for varying the pitch of said blades cyclically upon rotation of said rotor with said swashplate means tilted, manually operable means for moving said swashplate means axially to vary the pitch of said blades collectively including a collective pitch control lever and linkage for connecting the

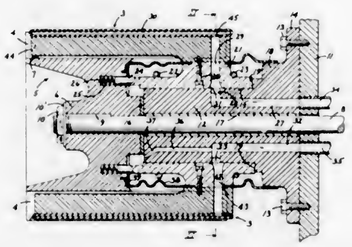
latter to said swashplate means, manually operable means for tilting said swashplate means to vary the pitch of said blades cyclically including a cyclic pitch control lever and linkage for connecting said cyclic pitch control lever to said swashplate means, and means interconnecting said linkages and operated upon the operation of said collective pitch control lever in any position of said swashplate means for moving elements of said cyclic pitch control linkage a distance equal to the axial movement of the swashplate means resulting from collective pitch control displacement thereof.

2,599,691
BOLT LOCK
Harold A. Carlson, University City, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application January 28, 1946, Serial No. 643,930
1 Claim. (Cl. 151—70)



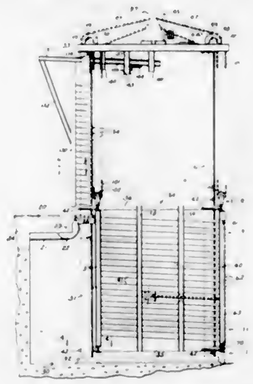
In a device of the class described, a tapped member, a bolt threadedly received therein, a restricted portion of said tapped member being countersunk about but eccentric to the tapped opening therein, and a coiled spring compressed between said tapped member and the bolt head, said eccentric countersink serving to bias the spring for better resisting turning of the bolt due to vibration.

2,599,692
THREAD-ADVANCING REEL
Carl A. Castellan, Media, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 26, 1947, Serial No. 776,379
19 Claims. (Cl. 28—71.7)



1. A thread-advancing reel comprising a plurality of generally parallel bars, alternate ones of the bars being reciprocable longitudinally and being expansible and contractible in a transverse direction extending generally radially of the reel, said alternate bars having, at least when in contracted condition, their centers disposed concentrically about a common axis of rotation, the other bars being rigid and having their centers disposed concentrically about said common axis of rotation generally parallel to their length, means for rotating the reel about its axis, means for selectively contracting and expanding said alternate bars in succession during rotation of the reel to protrude and retract respectively at predetermined times their outer surfaces relative to the outer surfaces of the intervening bars, and means for moving said bars toward one end of the reel when they protrude relative to the other bars and toward the other end of the reel when they are retracted relative to the other bars.

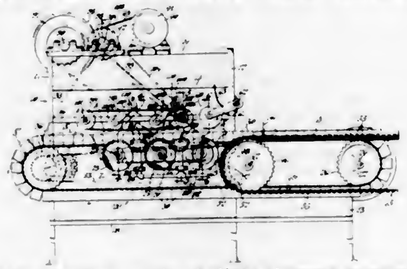
2,599,693
PRESS LOADER AND SHUTTER
Ralph Chapman, Corvallis, Oreg., assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg., a corporation of Oregon
Application April 10, 1948, Serial No. 20,335
10 Claims. (Cl. 214—1)



10. The combination in a fibre board forming machine of a conveyor upon which wet mats of fibre may be intermittently moved forwardly, a vertically movable accumulator rack at the end of said conveyor, said rack including a plurality of vertically spaced mat-receiving means, means to elevate said rack intermittently in short steps to position each of said mat-receiving means opposite the end of said conveyor between successive movements of said conveyor, and means to control said elevating means including a sensing member positioned in the path of said wet mats, a first control switch including a contact moved to open position by said sensing member when moved by a wet mat, means to return said contact to closed position when said mat passes beyond said sensing member, a second switch in series with said first switch and including a second movable contact interconnected in one direction of movement with said sensing member to be moved to closed position when said sensing member is moved by a wet mat, and means on said accumulator for breaking said second switch upon completion of an upward movement of the desired extent, said means to break said second switch comprising a plurality of lugs on said elevator rack spaced apart corresponding to the spacing of said mat-receiving means.

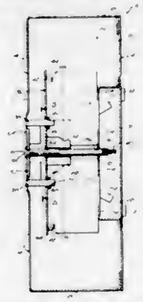
2,599,694
FISH CUTTING AND CLEANING MACHINE
Andrew L. Christiansen, Compton, Calif.
Application July 5, 1947, Serial No. 759,006
5 Claims. (Cl. 17—4)

1. In a machine for cleaning fish: substantially horizontal conveyor means; knife means disposed below said conveyor means; spreader means disposed beneath said conveyor means; and cleaning means disposed below said conveyor means, said cleaning means including a



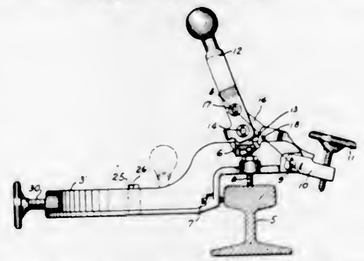
rotary member, and a helical element surrounding the periphery of said member.

2,599,695
MECHANISM FOR ADJUSTING ELECTRIC DEVICES IN ENCLOSURES THEREFOR
Paul M. Christensen, West Orange, N. J., assignor to Federal Electric Products Company, Newark, N. J., a corporation
Application December 9, 1949, Serial No. 131,956
17 Claims. (Cl. 175—308)



1. In combination, an enclosure for an electric device, a front cover for said enclosure, a support for said device mounted within said enclosure for movement relative to said cover, and a single operating member, retained against axial movement, for effecting said movement of said support.

2,599,696
DRILLING MECHANISM
William F. Clark, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 12, 1947, Serial No. 741,033
1 Claim. (Cl. 77—11)



A frame for a drilling mechanism for drilling holes in the head of a substantially horizontally disposed rail, said frame being generally yoke-shaped and having a pair of spaced legs and a rail drill-supporting cross bar member extending between and connecting said legs and cooperating therewith to define a drill bit plane, said legs having offset free end portions to overlie a rail head, adjustable abutment members carried by and projecting from the said offset leg end portions at substantially right angles to the drill bit plane for engagement with the top face of a rail head for vertically positioning the frame with the drill bit plane in alignment with the portion of the side face of a rail head to be drilled, and means constituting the sole support for the frame for fastening the frame firmly to a rail to be drilled with the drill bit plane disposed substantially horizontally, said means comprising abutment members carried by said offset leg end portions to engage a side face of a rail head, a clamping member connected pivotally to said offset portions for engagement with an opposite side face of said rail head, a handle operating member pivotally secured to the frame and a link pivotally attached to the handle and to the clamping member for moving the clamping member relative to the frame and into and out of clamping relation with a rail.

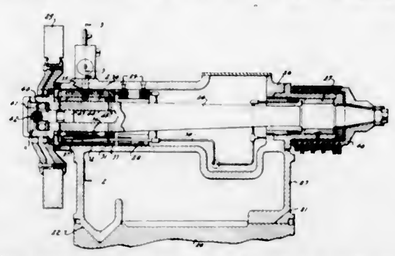
2,599,697
TESTING FOR QUATERNARY AMMONIUM COMPOUNDS
Dwight B. Conklin, Gibraltar, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application October 28, 1950, Serial No. 192,815
2 Claims. (Cl. 23—230)

1. A method for determining when the concentration of a quaternary ammonium germicidal compound in an aqueous solution falls below a prescribed minimum level, which comprises preparing a reagent solution consisting essentially of bromphenol blue, sodium acetate, glacial acetic acid and distilled water, adding this reagent solution to a quaternary ammonium germicidal solution in an amount such that the bromphenol blue is present in a stoichiometric amount relative to the calculated prescribed minimum concentration of the quaternary ammonium compound, the ratio of sodium acetate, glacial acetic acid and water being regulated so that the resulting mixture of reagent solution and quaternary ammonium germicidal solution has a pH of 3.0 ± 0.25, mixing the two solutions, examining the resulting solution through transmitted light in order to determine from the color of the final solution if the concentration of the quaternary ammonium compound has fallen below the prescribed minimum concentration.

2,599,698
GRINDING MACHINE
Albert H. Dall, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application March 3, 1950, Serial No. 147,507
17 Claims. (Cl. 51—95)

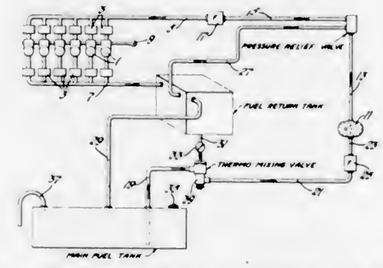
1. A grinding machine including a bed, a work support and a wheel support mounted on the bed for relative reciprocating and feeding movements, said wheel support including a housing member, a wheel spindle supported within the housing member for yielding movement relative thereto, said spindle having a wheel supporting portion, means for yieldingly urging the wheel supporting portion in a direction toward the

work support, said means for yieldingly supporting the spindle including deflectable resilient members having a portion fixed with respect to the housing and a second portion fixed with respect to the wheel supporting portion of the spindle, said means for yieldingly urging the



wheel supporting portion of the spindle in the direction of the work support including a pressure actuable piston, a source of pressure medium for supplying pressure to the piston, and a pressure regulator for determining the reaction force exerted by said means on the piston.

2,599,699
FUEL SYSTEM FOR COMBUSTION APPARATUS
Thomas B. Dilworth, Clarendon Hills, and Milo M. Schalla, Oak Lawn, Ill., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 13, 1947, Serial No. 747,758
10 Claims. (Cl. 158—36.3)



9. In a fuel system for combustion apparatus, fuel injection means adapted to inject fuel into and adapted to be heated by the combustion apparatus, a fuel supply tank, fuel delivery means for delivering fuel from the tank to the injection means at a rate normally in excess of that at which the fuel is injected by the injection means, fuel return means for returning the heated excess fuel from the injection means to both the tank and said delivery means, and temperature responsive means responsive to the fuel temperature in said delivery means for controlling the return of said excess fuel to said delivery means.

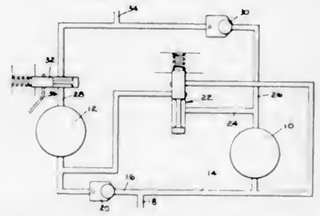
2,599,700
SHACKLE SEAL
Antonio di Palma, Pueblo, Colo., assignor of one-half to Raffaele Perrotta
Application November 10, 1950, Serial No. 195,035
2 Claims. (Cl. 292—323)

1. A shackle seal including a head comprising an oblong sheet metal blank folded medially to provide overlapping top and bottom plates, means inseparably securing the plates together at their free ends to maintain the plates in abutting relation, the top plate being stamped to provide crossed intersecting channels as well as a web raised between the channels to define a recess communicating with said channels adjacent the point of intersection thereof and said bottom plate being stamped to provide a post received in said recess to closely approach said web, a



shackle wire fixed at one end to the head and insertable at its free end through first one of said channels and then the other to form a loop engaged about said post within said recess for securing the free end of the wire to the head, and a spring lip formed on said web and normally abutting the bottom plate to close said recess at the adjacent edge of the head, said lip being movable by said loop to permit the loop to ride under said lip and enter said recess.

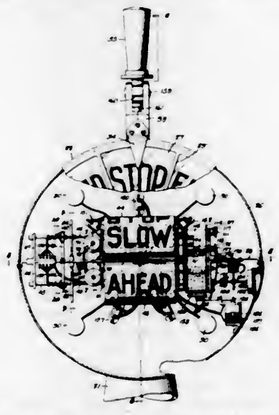
2,599,701
PUMPING SYSTEM
Walter R. Eames, Warren Township, Macomb County, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 25, 1945, Serial No. 624,471
8 Claims. (Cl. 103—11)



1. In a compound pump circuit, a pair of pumps and a combination pressure staging control and relief valve interposed between the outlet of one pump and the inlet of the other pump and the outlet and inlet of the pump whose pressure it controls, one of said pumps having a one-way check valve in its intake and said other pump having a one-way check valve in its discharge line said pressure staging and relief valve being subject to the pressure output of the pump having a one-way check valve in its discharge line.

2,599,702
RECORDING ANNUNCIATOR
Henry J. Elliott, Fontana, N. C.
Continuation of application Serial No. 550,408, August 21, 1944. This application February 7, 1950, Serial No. 142,751
3 Claims. (Cl. 177—337)

1. A two-way system of electrical communication, comprising means for electrically transmitting selected signals from a station of command to a station of compliance including a dial positioned on a head of a pedestal with indicia on the dial, a pivotally mounted handle with a pointer thereon adapted to be manually actuated so that the pointer registers with selected indicia on the dial, said dial having a centrally disposed transparent window therein, a pair of transparent parallel cylinders horizontally disposed in the head of the pedestal with indicia on the cylinders corresponding with indicia on the dial, means rotatably mounting the said cylinders whereby indicia thereon is displayed through the window of the dial, pinions on the cylinders, transversely disposed racks meshing with the pinions, sole-

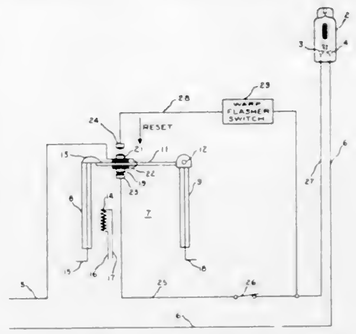


noids positioned on the opposite ends of the racks adapted to influence the racks to rotate the cylinders, and a plurality of contacts positioned around the dial positioned to be contacted as the pointer arrives at selected positions to complete circuits to the solenoids, and identical means at the station of compliance for receiving the signals transmitted from the station of command and operable in a like manner to transmit to the latter a repetition of the received signals in acknowledgment of the receipt thereof, and means cooperative with both of the signal transmitting means for automatically indicating the identical signals transmitted, received and retransmitted.

2,599,703
LOCKOUT WARNING SYSTEM FOR HOME HEATING APPARATUS
George V. Eltgroth, Philadelphia, Pa., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware
Application September 2, 1949, Serial No. 113,840
2 Claims. (Cl. 177—311)

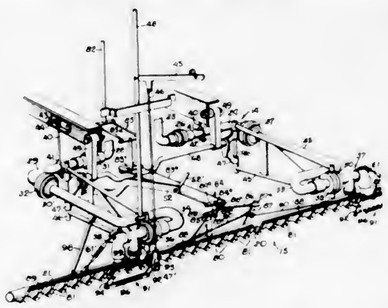
1. In heating apparatus of the type having means for locking-out the heating apparatus from further operation upon the occurrence of irregularities in performance of the heating apparatus, a lock-out warning system therefor, comprising: a thermostat having a source of illumination associated therewith for producing a visible signal; said thermostat being located in the space to be heated by said heating apparatus whereby the occupants of said space may conveniently observe said signal; a first circuit for continuously energizing said source of illumination; a second circuit including means for periodically energizing said source of illumination; and means operated by the locking-out means when it is not in

locking-out condition for completing the first circuit and operated when it is in locking-out



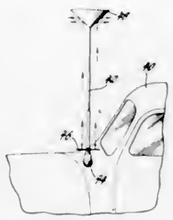
condition for opening the first circuit and completing the second circuit.

2,599,704
DISTRIBUTING SYSTEM FOR BITUMINOUS AND LIKE MATERIAL
Samuel R. Etnyre, Oregon, Ill., assignor to E. D. Etnyre & Co., Oregon, Ill., a corporation of Illinois
Application August 17, 1946, Serial No. 691,224
16 Claims. (Cl. 299—34)



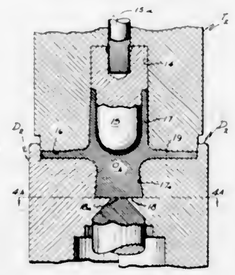
1. In distributing apparatus of the character described, in combination, a distributor bar including two tubular sections, a fitting connecting said bar sections in end-to-end relation, one of said sections being closed at the end remote from said fitting, a supply conduit for delivery of a flow of material to said fitting, said fitting having three longitudinally spaced openings including two end openings communicating respectively with said one bar section and with said supply conduit and an intermediate opening communicating with the other bar section, and means defining a pair of contiguous flow passages extending from said fitting through said one bar section, said passage forming means extending over said intermediate opening to a point adjacent the inlet opening to establish a pressure differential between the end opening communicating with said conduit and said intermediate opening whereby a part of the material delivered through said conduit is diverted into and circulated through said one bar section and then returned to the other bar section.

2,599,705
SHORT WAVE ANTENNA
Wesley S. Erwin, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 16, 1948, Serial No. 33,332
3 Claims. (Cl. 250—33.65)



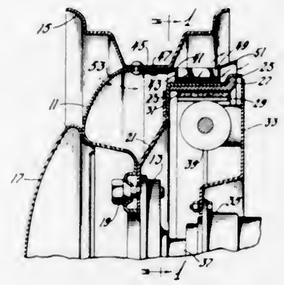
1. A radio antenna for electric signals having an omnidirectional horizontal wave pattern including; a vertical conductor for said electrical signal of a length equal to several wave lengths of said electrical signal at its operating frequency, an inverted conical reflector with a downwardly directed vertex angle of substantially 90° located symmetrical with said conductor at the upper extremity thereof, and a horizontal conducting plane at the lower extremity of said conductor.

2,599,706
METHOD FOR FORGING
John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application June 26, 1946, Serial No. 679,538
6 Claims. (Cl. 78—81)



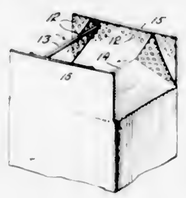
1. The method of forging an elongated heated metal blank comprising the steps of confining one end of the blank in a die and preventing axial motion thereof, guiding the other end of the blank while leaving an intermediate portion unconfined, piercing the blank from its guided end to cause metal to flow axially ahead of the tool and gather radially outwardly at said unconfined intermediate portion with a substantial portion of said intermediate gathered portion being unconfined throughout said piercing step, confining said one end of the blank in another die, and shortening said blank from said other end with its previously gathered midsection radially unconfined while upsetting the metal of said previously gathered midsection radially outwardly to form a flange.

2,599,707
WHEEL BRAKE DRUM ASSEMBLY
Howard K. Gandelot, Grosse Pointe Woods, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 19, 1946, Serial No. 684,843
12 Claims. (Cl. 188—264)



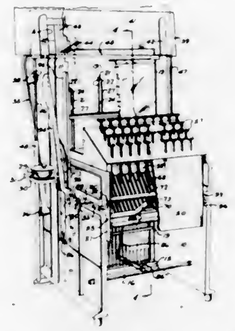
1. A wheel and brake drum assembly, one end of the drum being open, said drum having a friction element contacting portion, an air cooling device for said drum, said device having a plurality of substantially radial vanes extending across said portion of the drum but having their radially inner edges located radially beyond and spaced from said portion of the drum and said wheel having an apertured disc whereby suction produced by wheel rotation may draw air through the wheel and from over the drum, the air then passing radially outward between the vanes.

2,599,708
INNER LINED FOLDING CARTON
Herman Gottesman, Clifton, N. J., assignor to The Permaline Company, Clifton, N. J., a corporation of New Jersey
Application November 14, 1949, Serial No. 127,131
2 Claims. (Cl. 229—14)



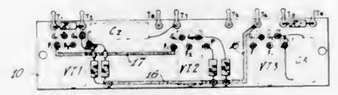
1. An inner lined folding carton comprising a box board having end folding flaps, a lining applied to said board and covering said end flaps, and multitudinous, separated but closely spaced thermoplastic bonds connecting said covering portions of the lining with said flaps, said bonds being impressed into the surface of the board with the portions of the lining between the impressed bonds free and unattached whereby adjoining bonds are isolated and may be individually released but collectively will firmly secure the lining to the board and whereby when the carton is set up for filling the lining will be held flat against the face of the flaps but in the closing of the carton will be partially pulled away by the infolding movement of the flaps but only to the extent occasioned by such movement of the flaps.

2,599,709
TYPESETTING MEANS IN LAUNDRY LISTING MACHINE
John Griesinger, Los Angeles, Calif., assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application September 19, 1947, Serial No. 774,980
18 Claims. (Cl. 101—96)



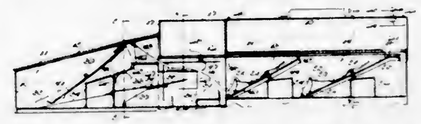
1. In a device of the character disclosed, a frame, a series of independently movable and freely disposed vertical type bars in said frame, each having on the face thereof a series of designating number types, digitally controlled means to elevate said bars selectively, means to hold said selectedly elevated bars in elevated position, a laundry list holder manually movable into alinement with the elevated type, means to press a pre-printed laundry list supported on said holder into engagement with the type on said selectedly elevated bars to imprint thereon opposite the description of certain articles printed on said list the numbers of said articles, means actuated by said pressing means for disabling said digitally controlled means, and means to move said elevating and holding means to disengaging position with respect to said bars to cause said bars to drop by gravity to normal position and to simultaneously re-enable said digitally controlled means.

2,599,710
METHOD OF MAKING ELECTRICAL WIRING
Albert M. Hathaway, Minneapolis, Minn.
Application August 7, 1946, Serial No. 688,900
2 Claims. (Cl. 29—155.5)



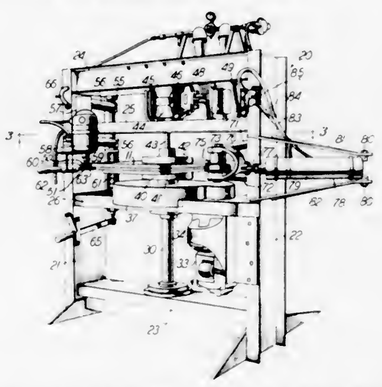
1. The method of making a combined mounting and electrical conductor system for interconnecting a number of pieces of electrical apparatus which consists in sand-blasting narrow areas of at least one face of a di-electric panel to inherently form therein a plurality of roughened shallow grooves conforming in shape, length and arrangement to a predetermined circuit layout and constituting spray metal molds and retaining elements, then spraying metal into said grooves to fill the same and be molded by said grooves and to form continuous and conductive strips in each of said grooves and with the face of said panel between said grooves exposed and uncoated by spray metal.

2,599,711
RODENT TRAP
William T. Hembree, Kingston, Tenn.
Application March 8, 1948, Serial No. 13,630
11 Claims. (Cl. 43—67)



1. A rodent trap including a casing providing successive communicating entrance, bait, trip, and exit chambers, the entrance chamber being formed with an entrance and the exit chamber with an exit, a cage disposed for entry through said exit, entrance-closing mechanism in said entrance chamber normally gravitating to set, open, position, a pivoted platform operable by a rodent thereon for shifting said mechanism to closed position for blocking said entrance, latch means automatically operable to secure said mechanism in closed position, releasing mechanism disposed in said trip chamber and including a pivoted trip platform normally gravitating to set position for blocking retreat from the exit chamber and provided with tripping means coacting with said latch means, said trip platform being operable by a rodent thereon for tripping said latch means and releasing said entrance closing mechanism for automatic return to set position, and cage-closing mechanism disposed in said exit chamber and including a pivoted exit platform normally gravitating to set, closed, position for blocking said exit to cut off retreat from the cage and operable by a rodent thereon to open position for clearing said exit to permit entry of the rodent into the cage.

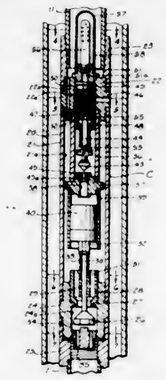
2,599,712
TABLE-TOP PROCESSING MACHINE
Manuel Izen, Los Angeles, Calif.
Application December 8, 1950, Serial No. 199,801
6 Claims. (Cl. 144—144.5)



1. In a machine for applying a trim strip to the edge of a flat object: a frame; a flat pattern rotatable on said frame and supporting the object, said pattern having a perimeter conforming generally to the perimetrical contour of the object; releasable clamping means for clamping the object to said pattern; a carrier movable on said frame; a cutter rotatable on said carrier, said carrier being movable to an operative position to dispose said cutter in cutting engage-

ment with the edge of the object, rotation of said object relative to said carrier causing said cutter to cut a groove in the perimeter of the object; a follower roller disposed coaxially with said cutter and rollable along the perimeter of said pattern, said pattern being of smaller dimensions than the object and said roller being of larger diameter than said cutter so as to control the depth of the groove cut by said cutter; and a spring operative to move said cutter axially into engagement with a face of the flat object so as to position said cutter at a selected distance from said face transversely of the object, said spring being engageable between a part of said frame and said carrier.

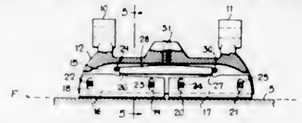
2,599,713
LIQUID LEVEL CONTROL DEVICE
Vestal A. Kagay and Jarvis L. Robison, Dallas, Tex., assignors to Merla Tool Corporation, Dallas, Tex., a corporation of Texas
Application June 28, 1946, Serial No. 680,174
14 Claims. (Cl. 103—232)



1. A liquid level control device including, a well conductor, a housing adapted to be connected in said conductor, a main valve within the housing for controlling the flow of well liquids through the housing and upwardly through the well conductor, and a pilot valve within the housing for controlling actuation of said main valve, said pilot valve being operated by the differential in pressure between the well liquid load within the conductor above the housing and a fixed fluid pressure which is present exteriorly of the conductor, whereby said pilot is opened to open the main valve when the pressure of the liquid load above the housing falls below a predetermined point.

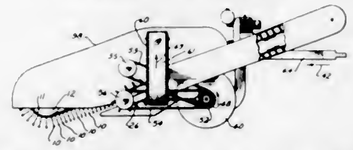
2,599,714
SWINGING FLAP FOR TENTER-FRAME CLIPS
Karl Klopfer, Vogelsberg, Uzwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
Application December 21, 1950, Serial No. 202,029
In Switzerland February 11, 1950
8 Claims. (Cl. 26—62)

1. A swinging flap for use in a tenter-frame clip comprising a body member, a plurality of blade members supported by said body and having engaging edges extending beyond the lower edge of said body, said blades being disposed in substantially coplanar relationship and supported for limited individual movement relative to said body in the plane of said blades, and pressure



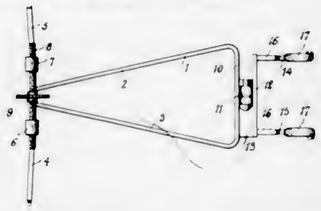
equalizing means positioned for joint engagement with said body and blades for transmitting transverse movement of one of said blades to another of said blades.

2,599,715
NUT GATHERER
Charles E. Lepper, Ventura, Calif.
Application July 17, 1948, Serial No. 39,270
4 Claims. (Cl. 56—328)



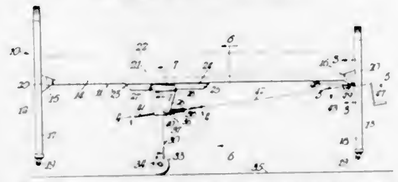
1. In a harvesting apparatus of the character described, a wheeled vehicle having an endless belt, said endless belt having a plurality of ground engaging fingers extending therefrom and passing over a relatively low pulley and a relatively high pulley to cause ends of adjacent fingers to spread, one of said pulleys being mounted adjacent the ground with the fingers passing therearound in engagement with the ground, and the other one of said pulleys being elevated, an endless belt traveling transversely with respect to the direction of movement of the first mentioned belt and below the region where the fingers open as they pass around the second mentioned pulley, an air manifold mounted adjacent the last mentioned belt directing a stream of air thereon to remove leaves, debris and the like, and a third endless belt having a plurality of spaced flaps extending therefrom sweeping material off the last mentioned endless belt and raising it to an elevated position where it may be deposited into a receptacle.

2,599,716
LOUPE
Stuart L. May, Huntington, N. Y.
Application June 29, 1950, Serial No. 171,189
3 Claims. (Cl. 88—41)



1. A loupe having a frame having two spring legs each provided at one end with an integral cross-piece and at the other end with lens frames and threaded adjusting means to vary the spacing between the lenses in the frames, a bar extending substantially parallel to the cross-piece and in close relation thereto, a hinge pivotally coupling the cross-piece and the bar together, a pair of hooks attached to the bar and extending rearwardly of the same and adapted to be fitted over the bridge of a pair of eyeglasses to thereby attach the loupe to said eyeglasses.

2,599,717
TRANSPORT TRUCK ARRANGEMENT FOR HOSPITAL BEDS
Clifford G. Menzies, Iron Mountain, Mich.
Application June 16, 1950, Serial No. 168,629
15 Claims. (Cl. 5—328)



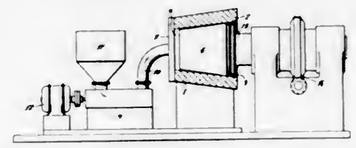
1. In combination with the frame of a bed having sides and ends, laterally spaced legs, each carrying a rotatable member at one end, means providing a transverse pivotal connection for the other ends of said legs with the sides of said frame between the ends thereof and about which said legs may be swung between a substantially upright supporting position for the bed frame to a non-supporting position therefor, means having a pivoted connection with at least one of said legs about an axis parallel with that of the first mentioned pivotal connection, a third means operatively connected at one end to said second mentioned means and extending longitudinally of the bed frame and operable from its other end adjacent one of said ends of said frame to function through said first and second mentioned means to swing said legs jointly between and for locking them in either said supporting or said nonsupporting position for the bed frame.

2,599,718
LAMINATED PROPELLER
Max M. Munk, Cottage City, Md.
Application September 12, 1949, Serial No. 115,275
1 Claim. (Cl. 170—159)



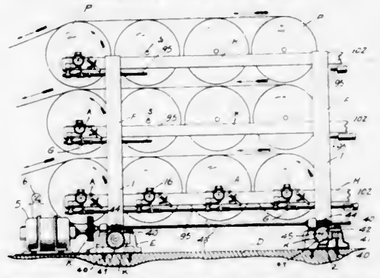
In an aerial fixed pitch propeller a radial wooden blade composed of radially grained laminations and of diagonally grained laminations, all laminations being disposed substantially at right angles to the propeller axis and being glued firmly together along spaced substantially plane and parallel interfaces so as to form a stratified block, substantially all diagonally grained laminations having their grain disposed in forward and outward direction, whereby the blade will elastically diminish its pitch in response to an increase of the thrust load.

2,599,719
GRINDING MILL
Charles Edward Pegg, Bristol, England, assignor to E. S. & A. Robinson, Limited, Bristol, England, a British corporation
Application March 15, 1949, Serial No. 81,479
In Great Britain March 19, 1948
3 Claims. (Cl. 241—245)



1. A grinding mill comprising a hollow frustoconical stationary casing, a substantially frustoconical member disposed within the stationary casing in the same sense and rotatable therein, the small end of the rotatable member being spaced from the corresponding end of the casing and providing a charging chamber, means for introducing and maintaining under pressure material to be ground between the casing and the rotatable member, the rotatable member being oval in cross-section at the charging end and having a major diameter thereat substantially equal to the internal diameter of the casing and the oval surface of the rotatable member progressively changing from its charging end to its discharge end from an oval to a circle of substantially the same internal diameter of the casing at said discharge end.

2,599,720
BACK STAND FOR ROLLS OF PAPER
Bruno E. Prevost, North Andover, Mass., assignor to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts
Application April 5, 1948, Serial No. 19,134
11 Claims. (Cl. 242—58)



1. For use with a plurality of rolls of paper, each rolled on a tubular fibre core; the combination of short shafts, one inserted in each end of each core, each shaft including a metal tube with a projecting journal part, the journal parts of all the shafts being of the same diameter, each shaft

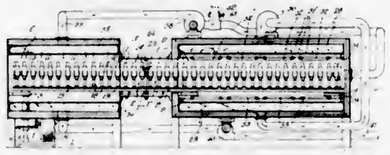
having fixed near the outer end of its journal part two annular brake flanges for cooperation with a brake member and forming part of lateral adjusting means for lateral adjustment of each roll on a back stand, with a back stand including a fixed base, front and back side frames, each frame being movable laterally towards and away from the other on the base, the back side frame supporting a plurality of bearings all of a size to receive a short core shaft journal, the front side frame supporting a plurality of adjustable carriers, each adjustable carrier being movable and adjustable longitudinally on the front side frame, and supporting a bearing for a short core shaft journal, the adjustable carrier also supporting a combination brake and shaft mover to engage the journal between the annular brake flanges on a shaft, each combination brake and shaft mover being adjustable laterally on its adjustable carrier, means to operate the brake member of each combination brake and shaft mover together radially against a short core shaft journal on one side of each of the rolls; and means to move the front and back side frames towards and away from each other.

2,599,721

APPARATUS FOR DISTRIBUTING AND DRYING UNIFORM INTERIOR COATINGS IN COLLAPSIBLE TUBES

Frederic Remington, Elizabeth, and Richard A. Tartaglia, East Orange, N. J., assignors to Peerless Tube Company, Bloomfield, N. J., a corporation of New Jersey

Application June 25, 1949, Serial No. 101,466
6 Claims. (Cl. 118—66)



1. A machine for causing distribution of fluent coatings on tubes, comprising a traveling conveyor, a plurality of cradles on said conveyor each including a bracket connected to said conveyor, a holder pivotally mounted on a transverse horizontal axis on each of said brackets to swing by gravitational action into vertical position, a seat on said bracket beneath the lower end of each holder, each of said holders to slidably receive within itself a collapsible tube with one end resting on said seat, and means for tilting said holders through an angle of less than ninety degrees (90°) to swing the lower end of each holder away from the corresponding seat and cause said tubes to slide by gravitational action out of said holders through the lower ends thereof.

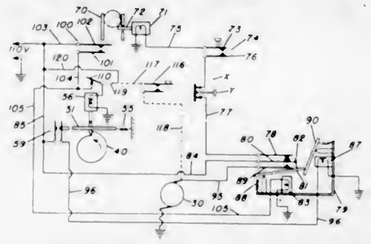
2,599,722

COIN-OPERATED DEPOSITORY FOR CLOTHING AND THE LIKE

Daniel J. Rourke, Jr., and Frederick G. Clark, East Orange, N. J.

Application May 24, 1949, Serial No. 94,994
5 Claims. (Cl. 194—9)

1. A coin-actuated depository for clothing and the like comprising a rotatable carrier having a plurality of radially extending compartments, a casing surrounding the carrier, an access door in the casing, said door normally alined with a single compartment, a coin-box including an initiating switch adapted to close a set of contacts momentarily upon deposit of a coin in the coin-box, an electric motor, means for rotating the carrier when the motor is energized, means for continuously energizing the motor upon momentary closure of the said initiating switch, a cam having a spiral periphery terminating in a radial rise, a pivoted lever having a projecting dog normally in face contact with the rise of the cam, means supporting the lever for limited movement in a direction tangent to the cam, a spring normally opposing tangential movement of the lever,



electro-mechanical means disengaging the dog from the cam upon momentary closure of the said initiating switch, means coupling the cam to the motor to cause rotation of the cam when the motor is energized, a stop switch normally spaced from the said lever, said stop switch having a set of normally open contacts, and means effective upon momentary closure of the said stop switch to deenergize the motor; the recited combination being such that upon each complete revolution of the cam the rise on the cam will strike the dog whereby the lever will cause closure of the stop switch.

2,599,723

LEG CONSTRUCTION FOR COILED SPRING BEDS

Henry H. G. Row, Baldwin, N. Y.

Application March 29, 1947, Serial No. 738,085
8 Claims. (Cl. 5—310)



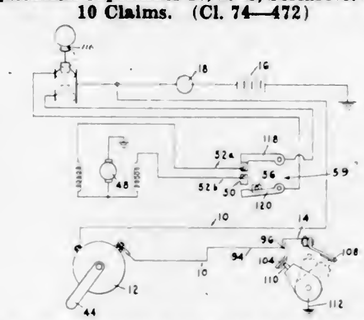
4. In a knockdown bed construction and in combination a spring mattress having a base frame, said base frame being angle-shaped and having an outwardly extending horizontal flange and a vertical flange depending therefrom, said flanges in conjunction defining an inverted L-shaped channel, legs for elevating said mattress at coventional level to form a bed, each leg being formed from block material, the rear wall of each leg being rabbeted at its upper extremity to receive and form a flush joint with the depending flanged wall of the base frame, each leg nesting within the inverted L-shaped channel so that the top edge face of the leg supports the lateral flange of the base frame, a metal clamp positioned at the upper end of the leg for passing around the outside face of the depending flange, and a screw bolt detachably threadably secured to the leg and operable when under tension to draw said clamp against the flange and effect an interlock between the head end of the leg and both flanged walls of the inverted L-shaped channel.

2,599,724

SHIFT CONTROL MECHANISM

Robert C. Russell, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application September 10, 1948, Serial No. 48,713
10 Claims. (Cl. 74—472)



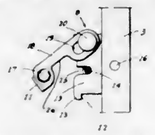
1. In combination an engine, an engine throttle, a variable speed transmission driven by said engine, power actuated gear shifting mechanism for said transmission, electrically operated means for shifting said throttle to closed position, an electric circuit for said throttle shifting means, and a control switch for said circuit, said gear shifting mechanism comprising an input member and an output member, each independently engageable with the control switch for controlling the period of operation of the circuit.

2,599,725

UPPER SECURING DEVICE FOR TENSION SCREENS

David Jordan Rust and Jack H. Jensen, San Leandro, Calif., assignors to Ry-Lock Company, Ltd., San Leandro, Calif., a corporation

Application June 11, 1951, Serial No. 231,016
3 Claims. (Cl. 160—328)



1. An upper securing device for releasable connection between the back side of the top cross bar of a tension screen and the header of a window frame, said device comprising a horizontal attachment plate, means adapted to secure the attachment plate to the top cross bar projecting rearwardly adjacent but below the header, the attachment plate having a notch opening to the free edge of said plate intermediate its ends, a headed screw adapted to extend through the notch from below and into the header, a horizontal latch finger, a vertical pivot pin connecting the latch finger at one end to the corresponding end portion of the attachment plate for horizontal swinging between a closed position overlapping the notch outwardly of the screw and an open position clear of the notch, the attachment plate being formed at the end opposite the pivot with a laterally projecting nub forming a shoulder facing but spaced from the top cross bar, and a latching tab depending from the latch finger and normally engaged behind said shoulder holding the latch finger against outward swinging motion; and means mounting the finger for longitudinal shifting movement relative to the pivot pin whereby to release said tab from the shoulder.

2,599,726

METHOD OF MAKING GRID BEARINGS

Alfred W. Schluchter, Dearborn, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application April 11, 1947, Serial No. 740,782. Divided and this application July 15, 1948, Serial No. 38,762
6 Claims. (Cl. 117—51)



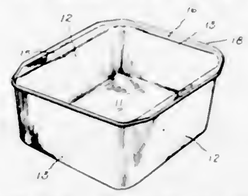
1. In the method of making a gridded bearing in which a readily oxidizable metal bearing blank is immersed in molten soft bearing metal and, while so immersed, has surface oxidation removed therefrom by abrading and indentations formed therein to receive said soft bearing metal; the improvement which consists in including in said molten soft bearing metal a small but effective amount not greater than about ½% of an alkaline earth metal as a deoxidizer, whereby the abraded surface is maintained substantially free of oxides to thereby promote the adhesion of said soft bearing metal to said metal bearing blank.

2,599,727

STACKING AND NESTING CONTAINER

Frederick W. Schmidt, Olympia, Wash., assignor to Trustees Tumwater Square, Olympia, Wash., a trusteeship

Application June 25, 1951, Serial No. 233,374
15 Claims. (Cl. 220—97)



2. An open top container of generally rectangular shape and of greater length than width and having a bottom wall with side and end walls flaring outwardly therefrom, the corners between said side and end walls being rounded, a horizontal ledge formed on the upper ends of all of said walls extending outwardly therefrom continuously around the top of said container, an upwardly extending flange formed on the outer edge of said ledge and extending continuously around the top of said container, said flange being spaced from the adjacent container wall by the width of the ledge extending therebetween, the width of said ledge at the upper

end of said side walls being wider than at the upper end of said end walls whereby the spacing between said flange on the opposite side walls corresponds substantially to the over-all length of said bottom wall, said flange being inclined slightly inwardly from said outer edge of said horizontal ledge whereby the upper edge of said flange will engage with the lower surface of the horizontal ledge of a similar container nested therewithin.

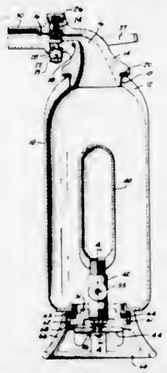
2,599,728

FIRE EXTINGUISHER NOZZLE

Ernest E. Seaberg, Brooklyn, N. Y., assignor to Carnoy Products Corporation, Elmsford, N. Y., a corporation of New York

Original application December 3, 1948, Serial No. 63,260. Divided and this application January 11, 1951, Serial No. 206,171

2 Claims. (Cl. 169—1)



1. In a dry-powder fire extinguisher, a valved nozzle comprising a valve body having a passage therethrough and an intersecting cylindrical bore, a slidable cylindrical valve member in said bore, sealing O-rings on said member at either side of said passage, said valve member being formed with a shallow annular groove to form the valve opening, the outlet side of said passage being cylindrical of a diameter only slightly smaller than said member and terminating at its outer end in a larger hollow cylindrical cap, whereby the open valve presents two rounded openings which forcefully discharge powder against the wall of the larger passage to provide a forceful stream of powder emerging from the hollow cylindrical cap.

2,599,729

NONCORROSIVE METAL CLEANING COMPOSITION

John H. Secrist, Detroit, Mich., assignor to Detrex Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 26, 1947, Serial No. 770,751

1 Claim. (Cl. 252—118)

A noncorrosive metal cleaning composition consisting of the following ingredients in substantially the proportions specified:

Trichlorethylene (stabilized)	cc	100
Triethanolamine oleate	grams	2
Monoethanolamine oleate	do	6
Sodium oleate	do	1
Water	cc	11
Benzyl thiocyanate	grams	3

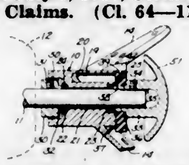
2,599,730

FLEXIBLE COUPLING FOR FAN MOUNTINGS

Ottis A. Sutton, Wichita, Kans., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans., a corporation of Kansas

Application July 3, 1950, Serial No. 171,860

3 Claims. (Cl. 64—11)



1. In a fan assembly, a hub having an axial bore therethrough, a driving shaft extending through said bore, said bore being of larger internal diameter than the external diameter of said shaft and said hub having an outwardly opening recess at each end thereof of larger diameter than the diameter of the bore and coaxial with the bore, a pair of deformable nonmetallic rings each snugly seated in one of said recesses, said rings snugly encircling said shaft and normally holding the adjacent surfaces of said bore and said shaft uniformly spaced apart throughout, a collar fixed to said shaft, said collar having a cylindrical portion bearing against one of said rings and of lesser external diameter than the internal diameter of the adjacent recess, an end member fixed to the outer end of said shaft and including an annular inner end portion bearing against the other of said rings and of lesser external diameter than the internal diameter of the adjacent recess, said end member having an annular shoulder spaced from the adjacent end of said hub and defining therewith an annular groove, said hub comprising a plurality of lugs projecting toward said end member and said end member comprising a plurality of other lugs projecting toward said hub, and a nonmetallic driving washer seated in said groove, said driving washer having a first set of notches therein snugly receiving the lugs on said hub and a second set of notches therein snugly receiving said other lugs on the end member, all of said notches being spaced apart whereby driving torque is transmitted from said shaft to said hub through intervening portions of said driving washer.

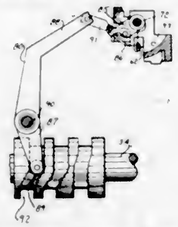
2,599,731

SHUTTLE CLEANER

Robert Whewell, Jr., Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio

Application August 25, 1949, Serial No. 112,233

7 Claims. (Cl. 139—125)



5. In a weaving machine of the gripper-shuttle type employing a shuttle having openable thread receiving jaws, a shuttle carrier for removably supporting such a shuttle, mechanism moving said carrier and shuttle to a pick position, and cleaning means mounted within the path of said carrier and shuttle for cleaning the shuttle jaws preparatory to being brought into the pick position.

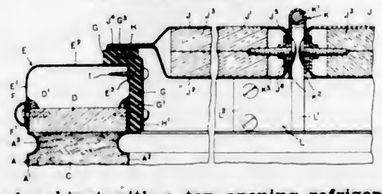
2,599,732

CLOSURE CONSTRUCTION FOR REFRIGERATOR CABINETS

Harland W. Whitmore, Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application June 28, 1948, Serial No. 35,596

2 Claims. (Cl. 220—9)



2. A cabinet with a top opening refrigerating cabinet having spaced inner and outer cylindrical metallic walls and thermal insulating material therebetween, of an annular metallic cap of inverted channel cross-section above said walls, the outer flange of said channel being connected to the outer wall of the cabinet and the inner flange of the channel being aligned with but spaced from said inner cabinet wall, an annular member formed of resilient material of low thermal conductivity and being of angle cross-section, the vertical flange of said resilient member being connected to and bridging the space between the inner flange of said cap and inner wall of said cabinet and the horizontal flange of said resilient member overlapping and resting upon the top of said metallic cap, an annular metallic lining for said resilient annular member being also of angle cross-section and having the horizontal flange thereof engaging a slit in the horizontal flange of said resilient member, and a pair of semi-circular lids forming a closure for the cabinet, each of said lids having spaced top and bottom metallic members with thermal insulating material therebetween and with the marginal portions thereof in the same plane and connected to each other, the adjacent straight edge portions of said semi-circular lid members being formed by overlapping flanges of said top and bottom members, a hinge for connecting said lid members having its pivot axis above said top member and having depending flanges secured respectively to the straight edge portions of the lid members being slightly spaced from each other, and bracket members secured to diametrically opposite sides of said metallic lining having flange portions extending upward between the spaced members of the hinge and locating said lids upon said cabinet.

2,599,733

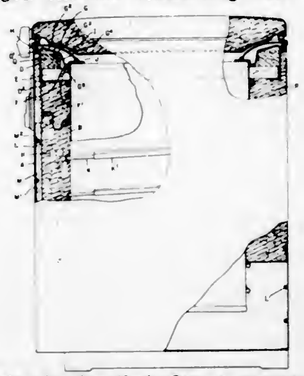
HERMETIC SEALING MEANS BETWEEN INNER AND OUTER CASINGS OF REFRIGERATOR CABINETS

Harland W. Whitmore, Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York

Application July 10, 1950, Serial No. 172,838

5 Claims. (Cl. 62—116)

1. In a refrigerator, including outer and inner spaced casings, evaporator tubing in heat exchange relation to said inner casing located in the space between the same and said outer casing, a mechanical support for said inner casing from said outer casing, and independent sealing means between said casings; condenser tubing in the space between said casings and vertically extending flanged channel reinforcing bars for said



outer casing having their flanges secured thereto and notched to embrace said condenser tubing and to hold the same in heat exchange relation to said outer casing.

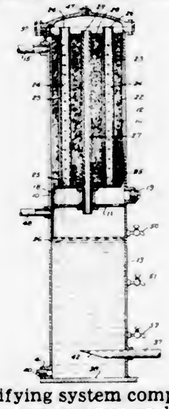
2,599,734

FILTER

Charles A. Winslow, William G. Nostrand, and Laurence L. Moore, Oakland, Calif., assignors to Winslow Engineering Co., Oakland, Calif., a partnership

Application September 24, 1946, Serial No. 699,010

4 Claims. (Cl. 210—122.5)

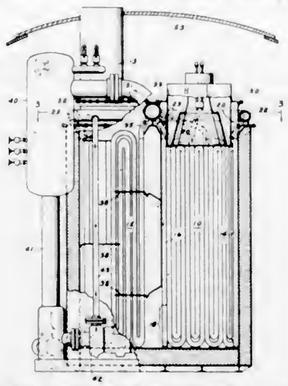


1. A fluid purifying system comprising: a single casing having an upper open end, an inlet adjacent thereto, a lower closed end, and an outlet above said lower end; a normally closed drain opening below said outlet; a first horizontal partition dividing said casing into an upper, filtering portion and a lower, clean-fluid reservoir, said partition having a central opening therein; a vertical conduit secured to said partition around said opening and extending vertically upward therefrom; a hollow, removable cap closing the upper end of said casing; a second horizontal partition across said casing, spaced away from and below said cap, said conduit extending into the hollow space between said second partition and said cap; filtering means between said first and second partitions and spaced substantially from the walls of said casing for filtering fluid in said upper portion and passing it up into said hollow space, said means being positioned above said

first partition to provide a sump where sludge settles; and a normally closed drain opening at the bottom of said sump.

2,599,735
STEAM GENERATOR
Basil Woynar, Chicago, Ill., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application January 27, 1948, Serial No. 4,580
1 Claim. (Cl. 122—282)

In a steam generator; a generally rectangular casing including pairs of side and end walls disposed contiguously in upright relation between top and bottom closure walls; a tubular water supply header bent into a loop to extend along all of the exterior marginal edges of the upright side and end walls of said casing at its upper end; a collecting header mounted in a central position within said loop confronting the end walls of the casing; steam generating tubes connected at their opposite ends directly into said headers and depending therefrom with the major portions of their lengths disposed in contacting relation in a row substantially beneath said collecting header to form a wall dividing the interior of said casing into a furnace combustion chamber and an adjacent gas passage; means for introducing fuel into said combustion chamber in a downward direction through the upper end wall of said casing, said tubes being arranged at their lower ends to provide an outlet disposed above but adjacent said bottom wall for gas flow from said furnace chamber into said gas passage; and other steam generating tubes connected at their ends directly into said headers and depending therefrom into said gas passage.



2,599,736
LUBRICATING COMPOSITION CONTAINING THE REACTION PRODUCT OF BIURET AND ALIPHATIC ESTERS OF HYDROXY ACIDS
David E. Adelson, Berkeley, and Robert G. Larsen, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 27, 1948, Serial No. 46,558
11 Claims. (Cl. 252—51.5)

1. A lubricating composition comprising a major amount of a lubricating oil and a minor amount sufficient to inhibit wear and oxidation of a reaction product of a biuret and aliphatic esters of hydroxy acids, said reaction product being formed by heating the reactants in the ratio of about 1:1 to 6:1 mols, respectively, and at a temperature between 100 and 250° C. for a period of 30–100 hours.

2,599,737
NITROGEN-CONTAINING ORGANIC COMPOUNDS AND THEIR PREPARATION
David E. Adelson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 8, 1949, Serial No. 103,735
19 Claims. (Cl. 260—399)

1. A process of producing an ester of the general formula

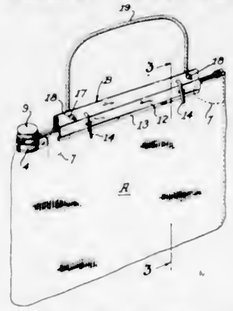
$$NH_2-\underset{\underset{X}{\|}}{C}-NH-\underset{\underset{Y}{\|}}{C}-O-R$$

wherein X represents a divalent oxygen or sulfur radical, Y represents a divalent oxygen, sulfur or imido (=NH) radical and R—O— is a radical formed by the removal of a hydrogen atom from a hydroxyl group of an alcoholic hydroxy-substituted compound, which comprises reacting under subatmospheric pressure a compound of the formula

$$NH_2-\underset{\underset{X}{\|}}{C}-NH-\underset{\underset{Y}{\|}}{C}-NH_2$$

with an alcoholic hydroxy-substituted compound (R—O—H) wherein the most reactive group is hydroxyl.

2,599,738
CAM ACTUATED BAG CLOSURE MECHANISM
Fletcher Ames, Palo Alto, Calif., assignor to Ames Harris Neville Co., San Francisco, Calif., a corporation of California
Application January 23, 1950, Serial No. 140,034
2 Claims. (Cl. 24—30.5)

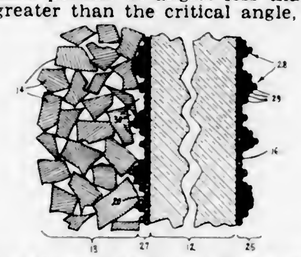


1. A bag closure mechanism comprising an integrally formed spring metal clamping bar comprising a bifurcated back portion defining two opposed legs and a pair of outwardly projecting opposed stiffening ribs extending longitudinally of said clamping bar and presenting opposed cam surfaces, said clamping bar comprising a pair of opposed clamping edges disposed inwardly of said ribs and movable toward and away from one another to receive therebetween the mouth of a bag, the springiness of said metal normally tensioning said clamping edges away from one another to an open position, a cam comprising a U-shaped metal rod defining a web portion and two slightly divergently outwardly projecting legs, a pair of registering apertures formed through the legs of said bifurcated back portion of said clamping bar, the web portion of said U-shaped cam projected through said registering apertures and

pivotally supported therein, the said divergently projecting legs of said cam being swingable about its pivotal axis to engage said opposed cam surfaces presented by said stiffening ribs for camming said opposed clamping edges toward one another and against the spring forces of the material tending to spring tension the clamping edges open and away from one another.

2,599,739
CATHODE-RAY TUBE
Robert Bowling Barnes, Stamford, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 12, 1950, Serial No. 155,514
13 Claims. (Cl. 313—92)

1. A cathode ray tube embodying a transparent face portion having a coating of transparent material on the rear surface thereof with a coating of fluorescent material on said transparent material having its effective portion confined to substantially the area desired of the resultant image and spaced from the inner surface of said transparent face portion by said transparent material, said face portion having a transparent light transmission increasing reflection reduction coating on the front surface thereof and having light controlling means surrounding the periphery thereof, said tube having means for producing a beam of electrons and for directing said electrons onto said fluorescent coating to produce a luminous spot thereon, said luminous spot having light rays emanating therefrom and striking the inner side of the front surface of said transparent face portion at angles less than and at angles greater than the critical angle, and said



reflection reduction coating on the outer surface of the transparent face portion having an optical thickness and effective index of refraction such that it, while functioning to reduce reflection from light exteriorly of the tube, will simultaneously function to reduce the reflection of said rays within the critical angle by increasing the transmission of said light rays through said outer surface, and said coating of material between said fluorescent coating and the inner surface of the tube functioning to reduce the illumination of the fluorescent material by light rays at angles greater than the critical angle reflected from the inner side of the front surface of the face portion and said light rays at angles greater than the critical angle when at the periphery of the face portion being effectively obviated by said peripheral light controlling means.

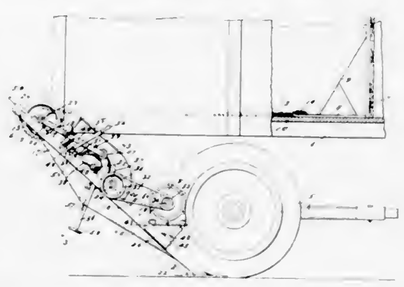
2,599,740
PATTEN
John V. Beveridge, Oakland, Calif.
Application September 12, 1949, Serial No. 115,133
1 Claim. (Cl. 36—11.5)

A patten comprising a bottom member and a top member, the bottom member being formed of a sheet of molded thermo-setting plastic material and being provided with a peripheral upturned edge, the lower face of the bottom member being formed with a flattened forward tread face, a flattened rearward tread face, a heel forming breast forward of the rearward tread face, and an inclined plane between the breast and the forward tread face to define a heel and toe portion, and the lower face of said bottom member being further formed with a rocking surface forward of the forward edge of the forward tread face, said rocking surface defining a straight line on every line of transverse cross section and a



convex line on every line of longitudinal section, and the top member of said patten being formed of a sheet of molded thermo-plastic material and being provided with a peripheral downturned edge, a saucer like depression adapted to fit the heel of the wearer and a second saucer like depression adapted to fit the ball of the foot of the wearer, the upturned edge of the lower member and the downturned edge of the upper member being telescopically arranged and secured, and strap means to secure the patten to the foot of the wearer.

2,599,741
UNLOADING JACK
Edwin F. Bishman and Archie C. Bishman, Hutchinson, Minn.
Application September 24, 1947, Serial No. 775,780
1 Claim. (Cl. 74—124)



A jack of the character described comprising an elongated frame having longitudinally extending side bars, a cross bar connecting rear ends of said side bars, a foot plate to which front ends of the side bars are secured disposed at an angle adapting it to rest upon the ground and support the frame at an upward incline towards its rear end, a rear shaft rotatably mounted across rear portions of the side bars, a front shaft rotatably mounted across the side bars and spaced forwardly from the rear shaft, a counter shaft rotatably mounted across the side bars between and spaced from the front and rear shafts, intermeshing gears carried by the front shaft and the counter shaft between the side bars, a cam carried by said counter shaft between the side bars, a lever pivoted upon the rear shaft and extending forwardly therefrom and having a roller at its front end resting upon said cam, a ratchet wheel carried by the rear shaft between the side bars, a pawl pivoted to said lever and resting upon said ratchet wheel and intermittently imparting rotation to the rear shaft when the lever is rocked vertically by action of the

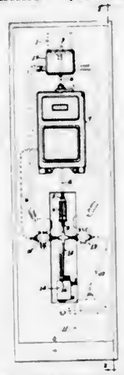
cam, a dog pivoted between rear ends of the side bars and yieldably engaging the ratchet wheel and serving to prevent retrograde rotation of the rear shaft, a trip pivoted to the side bars and movable into and out of position to engage the lever and swing the lever upwardly to an inoperative position out of engagement with said cam, a pulley carried by the front shaft, a shelf over said frame forwardly of the front shaft having shoes resting upon the side bars and slidable along the same, a motor mounted upon said shelf and provided with a pulley upon its shaft, and a belt extending between and trained about the pulleys and transmitting rotation to the front shaft.

2,599,742

FILTRABILITY RECORDER

Percival Lionel Boucher, Kilmarnock, Scotland, and Norman Andrew Forster Rowntree, Hartford, near Northwich, England, assignors to Glenfield & Kennedy Limited, Kilmarnock, Ayrshire, Scotland, a corporation of Great Britain and Northern Ireland

Application August 13, 1949, Serial No. 110,104
3 Claims. (Cl. 73—53)



1. Apparatus for measuring and recording the filtrability of a fluid comprising a tank having a drain opening, an inner vessel connectible to a source of supply of fluid to be filtered, said inner vessel having an open top and disposed within said tank, a filtering unit having an inlet and an outlet, an outlet pipe leading from said inner vessel to the inlet of said filtering unit, a flow controller connected to the outlet of said filtering unit, a pressure recorder, a pipe connecting the outlet of said filter unit to said pressure recorder, valve means intercalated in said last mentioned pipe, a source of supply of cleaning fluid, a pipe connecting said source of supply of cleaning fluid to the outlet of said filtering unit, valve means intercalated in said last mentioned pipe, and a time cycle controller adapted to bring about the operation of said valve means at predetermined intervals.

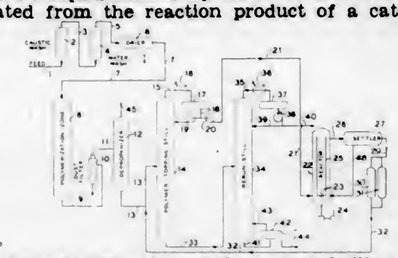
2,599,743

CONVERSION OF PROPYLENE POLYMERS

Lloyd F. Brooke, Berkeley Highland Terrace, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

Application June 4, 1949, Serial No. 97,284
3 Claims. (Cl. 260—683.15)

1. A continuous process for producing an olefinic hydrocarbon material characterized by a 5% point above 350° F. and a 90% point below 525° F. on a true boiling point distillation which comprises providing in a reaction zone a body of liquid phosphoric acid having a concentration in the range 103–110% calculated as orthophosphoric acid, intimately contacting with said acid a liquid olefinic hydrocarbon fraction separated from the reaction product of a catalytic



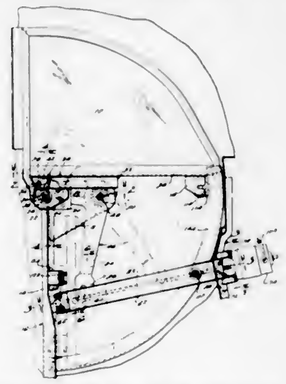
polymerization of propylene, and boiling in a range below about 350° F., maintaining in the reaction zone a temperature below about 325° F. and contacting said hydrocarbon with said acid at a space velocity in excess of 0.2 volumes of hydrocarbon per volume of acid per hour.

2,599,744

WINDOW OPERATOR

Alan D. Brundage, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan

Application April 24, 1946, Serial No. 664,518
3 Claims. (Cl. 268—108)



1. In combination with a vehicle body, a window disposed in a substantially vertical plane, a bracket mounted on said vehicle body, a frame carrying said window and mounted on said bracket for pivotal movement between open and closed positions and about an axis at right angles to said plane, a pinion gear sector of relatively small radius mounted on said frame coaxial with said axis for movement with said frame, a bell crank pivotally mounted on said bracket for pivotal movement about an axis parallel to said axis, said bell crank having one arm portion shaped to form a gear sector of relatively large radius meshing with said pinion gear sector, an elongated screw shaft, means rotatably mounting said shaft on said body, a nut threaded on said shaft for movement axially thereof upon rotation of said shaft relative thereto, said bell crank having a second arm having a sliding engagement with said nut, a motor mounted on said body and operatively connected to said shaft, and a counterbalance spring urging said frame toward closed position.

2,599,745

COMPOSITION FOR SEALING POROUS FORMATIONS IN OIL AND GAS WELLS

John G. Campbell, Corpus Christi, and Homer L. Twining, San Antonio, Tex.; said Campbell assignor to said Twining

No Drawing. Application June 23, 1949, Serial No. 100,972
5 Claims. (Cl. 252—8.5)

1. A composition for sealing permeable formations encountered in the drilling of a well, comprising fibrous material and a filler in admixture therewith, said fibrous material comprising strong, flexible fibers selected from the group consisting of jute, flax, mohair, lechuguilla fibers, synthetic fibers, cotton, cotton linters, wool and wool shoddy, said fibrous material being present in proportions by weight from approximately 33% to 90% and including fibers of different lengths ranging from approximately one-fourth to four inches, and said filler being present in amounts up to 67% and comprising sawdust particles ranging in size but not smaller than .006 inch in diameter.

2,599,746

ENDLESS CONVEYER FOR SUPPORTING CONDUCTORS OR CABLES IN VULCANIZING TUBES

Thomas K. Cox, Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 30, 1949, Serial No. 130,174
4 Claims. (Cl. 18—6)



1. In a continuous vulcanization apparatus, the combination of an elongated vulcanizing chamber, means substantially sealing the ends of the vulcanizing chamber for permitting a cable or the like to be advanced through the chamber, means for introducing steam under pressure into the vulcanizing chamber, an elongated auxiliary chamber extending along the bottom of said vulcanizing chamber, a pair of spaced compartments connecting the two chambers, a driving sheave mounted in one of said compartments, an idler sheave mounted in the other of said compartments and supported by a slidable journal member, a spring loaded slack take up mechanism connected to the slidable journal member, and an endless conveyor supported by the two sheaves and threaded through a portion of the vulcanizing chamber, the auxiliary chamber and the compartments, said endless conveyor serving to support a cable or the like having a vulcanizable cover thereon during its passage through the vulcanizing chamber.

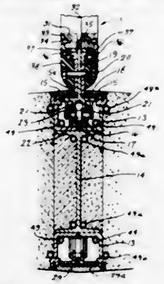
2,599,747

SLIDING DOOR MOUNTING DEVICE

Adam Craigon, Toronto, Ontario, Canada, assignor to Margison and Babcock, Toronto, Ontario, Canada

Application May 18, 1949, Serial No. 93,863
In Canada May 3, 1949
7 Claims. (Cl. 20—19)

7. A door panel mounting device comprising the combination of: at least one panel, two housings, a longitudinally extending slot in each of said housings, supporting means within each of said housings, said supporting means being slidable in parallel relation to said slots, means in the form of flexible belts disposed between said supporting means and said slots for occluding dirt, ice, snow, rain, and the like from the interiors of said housings, and web means extending from each of the supporting means through the adja-



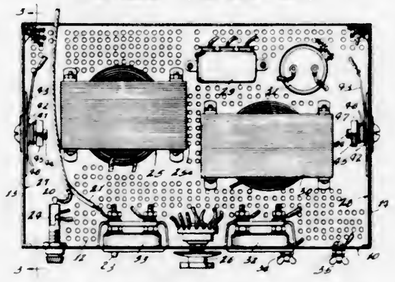
cent flexible belt and slot to mount an opposed edge of said door panel.

2,599,748

RECTIFIER COOLING ARRANGEMENT

Richard Cleary Crossley, Evanston, Ill., assignor to Electro Products Laboratories, Inc., a corporation of Illinois

Application December 29, 1949, Serial No. 135,814
3 Claims. (Cl. 175—298)



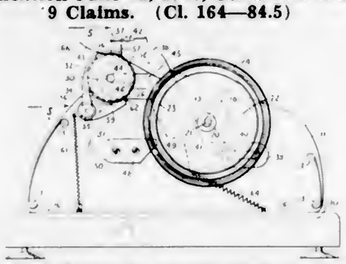
1. A rectifier cooling arrangement of the character described for an electrical system, including: a metal casing for housing elements of said system, said casing having two substantially upright walls exposed to outer space and in direct thermal conductive contact with each other throughout substantially the entire extent of their juncture, a single layer rectifier mounted on only one of said walls and being electrically insulated therefrom, all portions of said rectifier being in good thermal conductive contact with the wall upon which it is mounted throughout substantially the entire surface of said wall and the surface of both of said walls providing a heat dissipating area greatly in excess of said area of said rectifier, the heat being dissipated from both of said walls directly to outer space by means of a combination of radiation and convection and conduction, and said casing having two substantially upright other walls exposed to outer space and in direct thermal conductive contact with each other throughout substantially the entire extent of their juncture, and a second single layer rectifier mounted on only one of said other walls and being electrically insulated therefrom, all portions of said last-mentioned rectifier being in good thermal conductive contact with the wall upon which it is mounted throughout substantially the entire surface of said wall and the surface of both of said other walls providing a heat dissipating area greatly in excess of said area of said last named rectifier, the heat being dissipated from both of said other walls directly to outer space by means of a combination of radiation and convection and conduction.

2,599,749
FOUR-IN-HAND NECKTIE
Charles A. Doric, West Warwick, R. I.
Application December 28, 1950, Serial No. 203,154
4 Claims. (Cl. 2—153)



1. A made up four-in-hand necktie comprising a band to extend about the neck, a member comprising a strip doubled upon itself along a fold line to provide an intermediate portion protruding laterally of the band and end portions extending in opposite directions therefrom along said band, means to secure the strip in doubled relation upon itself and the end portions to the band and a projection secured to said doubled portion and extending in the general direction of the fold line of the doubled portion forwardly beyond the doubled portion to provide a core to project the necktie forwardly as knotted about the assembly, said member being of a material which has sufficient inherent rigidity to be self-supporting.

2,599,750
TAPE-DISPENSING MACHINE
Oscar P. Erhardt, Derby, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application June 11, 1947, Serial No. 753,905
9 Claims. (Cl. 164—84.5)



1. A tape-dispensing mechanism comprising a frame, a feed drum rotatably mounted on the frame, a shaft supporting said drum, a severing member adjacent the feed drum against which the tape may be torn off, a carrier on which said severing member is mounted, means supporting said carrier on the frame for sliding fore and aft movements relatively thereto, said means comprising a slot in said carrier in which the shaft of the feed drum is received, means operatively connecting said carrier to the feed drum for movement thereby in a forward direction, and means urging said carrier rearwardly.

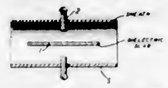
2,599,751
WELDING PROCESS FOR JOINING A METAL BODY AND A SEMICONDUCTING BODY COMPOSED OF METALLIC AND CERAMIC MATERIAL
Hermann Federspiel, Teriano, Italy
No Drawing. Application May 19, 1949, Serial No. 94,268. In Italy April 26, 1948
7 Claims. (Cl. 219—10)

1. A welding process for joining a metal body and a semi-conductive body, the latter comprising in an intimate mixture a minor component of a metal and a major component composed of metal oxide and ceramic material, the said process comprising the steps of placing the portions of the two bodies at which the same are to be welded together in a close spacial relationship, and subjecting the said two portions to a welding temperature in the presence of a reducing atmosphere until metal oxide contained in the respective portion of the semi-conductive body is transformed into metal in its elemental form and until molten metal of the said portions forms a joint between the same.

2,599,752
DRILLING FLUIDS
Paul W. Fischer, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application February 3, 1949, Serial No. 74,496
5 Claims. (Cl. 252—8.5)

1. A substantially non-aqueous composition of matter adapted for use in drilling wells consisting essentially of a mineral oil base having dispersed therein between about 1 and about 10 per cent by weight of a solid water-soluble alkaline earth metal salt and between about 0.2 and about 10 per cent by weight of an oil-soluble metal soap dispersing agent capable of maintaining said alkaline earth metal salt uniformly dispersed in said mineral oil base.

2,599,753
WAVE GUIDE PHASE SHIFTER
Arthur Gardner Fox, Eatontown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1946, Serial No. 640,498
1 Claim. (Cl. 178—44)



A reflectionless phase shifter for incident linearly polarized, dominant electromagnetic waves comprising a non-radiating, low loss section of uniform hollow wave guide, a low loss dielectric plate disposed longitudinally between the ends of said section, collinear reactance screws disposed in the wall of said guide transverse to said plate to neutralize reflections set up by said plate, said plate being disposed obliquely with respect to the incident polarization and having a thickness small with respect to length and width, whereby polarization components parallel and perpendicular to said plate respectively are propagated through said section with a predetermined differential phase shift and the output wave is elliptically polarized.

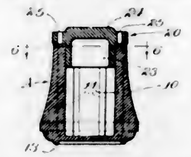
2,599,754
VARIABLE-CAPACITY TARGET ELECTRODE
George Stanley Percival Freeman, Chiswick, London, England, assignor to Cinema-Television Limited, London, England, a British company
Application July 25, 1950, Serial No. 175,752
In Great Britain July 26, 1949
5 Claims. (Cl. 313—66)



1. A variable-capacity target electrode structure for an image-converting device comprising:

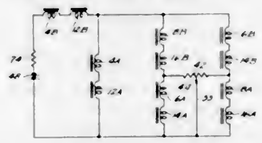
a storage electrode; a capacitive electrode; and a resilient deformable member mechanically supporting said electrodes in substantially parallel adjustable space relation with respect to each other.

2,599,755
SHAKER FOR GRANULAR SUBSTANCES
Frank W. Fuller, St. Paul, Minn.
Application January 26, 1946, Serial No. 643,728
5 Claims. (Cl. 222—554)



1. A shaker for salt and the like comprising a hollow body having an opening therein; a series of angularly spaced thickened portions on said body forming projections extending inwardly adjacent said opening, a plug type closure for said opening designed to be supported between said projections, said closure including a flange overlying the ends of said thickened portions and the intervening spaces, said flange having openings therein registrable selectively with said thickened portions and said intervening spaces.

2,599,756
300 DEGREE DIRECTLY DRIVEN RATIOMETER
Carl Geiser, Long Island City, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application May 8, 1950, Serial No. 160,617
14 Claims. (Cl. 318—25)



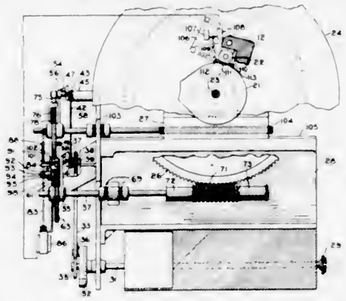
1. A position indicator, comprising an armature responsive to electromagnetic fields, a plurality of windings positioned adjacent to said armature for producing electromagnetic fields to control the position of said armature, a potentiometer having fixed terminals and an adjustable contact, the position of which is to be indicated, a source of direct voltage, and a circuit network interconnecting said windings, said potentiometer, and said voltage source including first, second and third circuit branches, said first branch extending from one terminal of said source through a first and a second pair of said windings to the other terminal of said source, said second branch extending from the junction of said first and second pairs of windings through a third and a fourth pair of said windings to said other terminal of said source, said third branch extending between opposite ends of said second branch and including a fifth and a sixth pair of said windings, the fixed terminals of said potentiometer being connected from the junction of said third and fourth pairs of windings to the junction of said fifth and sixth pairs of windings and the adjustable contact thereof being connected to a junction of said second and third branches.

2,599,757
ION EXCHANGE SYSTEM
Jacob B. Gottfried, Chicago, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application August 10, 1949, Serial No. 109,531
21 Claims. (Cl. 127—46)



1. A process for the treatment of sugar-containing liquids, comprising contacting said liquid first with a cation exchange material having high deashing capacity, operating in the hydrogen cycle, to remove ash; and then with a cation exchange material having higher refining capacity and lower deashing capacity than said first-mentioned cation exchange material, operating in the hydrogen cycle; whereby said liquid is freed from organic and other impurities.

2,599,758
CONTROL MECHANISM FOR ROLL CURVE GEAR-CUTTING MACHINES
Albert A. Grossarth, La Grange, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 11, 1949, Serial No. 80,900
9 Claims. (Cl. 90—2)



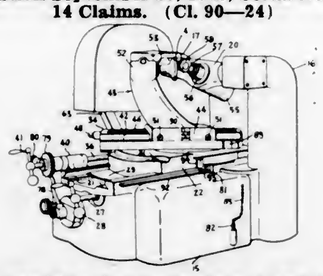
1. In a roll curve gear cutting machine, in combination, a rotatable workholding member having fixed thereto in aligned relation a gear blank and a master pattern of similar contour, a reciprocating gear cutter for cutting teeth on the gear blank, first driving means having operation to impart intermittent rotary movement to said workholding member to index the gear blank, second driving means having operation to impart intermittent transverse movement to the workholding member to move the gear blank transversely to the axis of the gear cutter, and control means responsive to the contour of the master pattern for correlating the movements imparted to said workholding member by said first and second drive means to thereby maintain the angular relation between the surface of the gear blank and the gear cutter substantially constant during the gear cutting operation.

2,599,759

LAP TRUING MACHINE

William A. Gunning and George C. Favre, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application September 29, 1948, Serial No. 51,706
14 Claims. (Cl. 90—24)



1. A machine for generating a spherical or compound curved surface on an article comprising the combination of a base having a pair of spaced uprights thereon, a first supporting member pivotally connected with said uprights, pivot means connecting said first supporting member with said uprights, said first supporting member being mounted for oscillating movement about the axis of the pivot means, a second supporting member adjustably mounted on said base for movement in a direction toward and away from said uprights, a pivot member connected for movement with said second supporting member and having its axis substantially perpendicular to the axis of said pivot means, said second supporting member being mounted for movement about the axis of the pivot member, retaining devices on said supporting members, one of said retaining devices supporting a cutting tool and the other of said devices supporting work to be engaged by said cutting tool, power means for imparting an oscillating movement to the first supporting member and its associated retaining device about the axis of said pivot means and for imparting a rotative movement to the said supporting member and its associated retaining device about the axis of said pivot member, a circuit connecting said power means with a source of electrical energy, circuit control means in said circuit, and means for automatically rendering said power means effective only throughout the angle of movement of one of said retaining devices relative to the other of said retaining devices necessary to complete a surface of required curvature on the work, said means comprising a spindle rotatable with said pivot member and adjustable longitudinally thereof in response to the adjustment of said second supporting member toward or away from said uprights and a cam member on and rotatable with said spindle, said circuit controlling means being operatively associated with said cam member in such manner as to energize and de-energize the power means at controlled positions of movement of one of said retaining devices relative to the other.

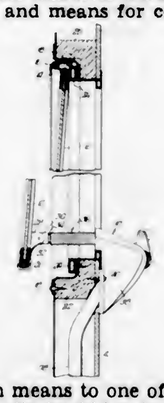
2,599,760

FLEXIBLE SPRING TRANSMITTER

Frank D. Hanson, Independence, Henry R. Parker, Holden, and Lyndon L. Wagener, Independence, Mo., assignors to Palace Corporation, Flint, Mich., a corporation of Michigan

Application June 30, 1948, Serial No. 36,185
1 Claim. (Cl. 74—501)

A control device comprising a unitary longitudinally, extensible, laterally flexible thrust transmitting arm member in the form of a closely wound, low pitch coiled spring; resilient, longitudinally, extensible tension means disposed in said arm member in the form of a second coiled spring of smaller diameter than said first named coiled spring; and means for coupling each end



of said tension means to one of the ends of said arm member so that said tension means normally exerts a constricting force on said flexible member substantially along the longitudinal axis thereof so that the adjacent turns of said first named coiled spring are normally held in abutting relation.

2,599,761

EXTREME PRESSURE LUBRICANT

Denham Harman, Berkeley, and Roy E. Thorpe, Castro Valley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 21, 1949, Serial No. 77,691
21 Claims. (Cl. 252—49.9)

1. A mineral lubricating oil composition comprising a mineral lubricating oil and a minor amount, sufficient to impart extreme pressure properties to said mineral oil, of a reaction product of tributyl phosphite with dibutyl trichloromethane phosphonate, said materials being reacted in about equimolar proportions at a temperature of from about 100° C. to 200° C.

2,599,762

POTTING COMPOSITION

Charles W. Kleiderer, Hyattsville, Md., assignor to the United States of America as represented by the Secretary of the Navy

No Drawing. Application September 17, 1945, Serial No. 616,973
4 Claims. (Cl. 106—171)

1. A potting composition consisting of, solid hydrogenated castor oil, paraffin having a melting point ranging from approximately 123° F. to 140° F., ethyl cellulose having an ethoxyl content ranging from 46.8% to 48.5%, and .5% to 2.0% hydroquinone mono-benzyl ether.

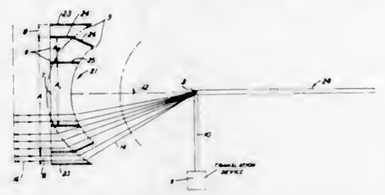
2,599,763

DIRECTIVE ANTENNA SYSTEM

Winston E. Kock, Basking Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 31, 1948, Serial No. 68,542
8 Claims. (Cl. 250—33.63)

1. In an electromagnetic wave refractor comprising at least two stepped zones, a metallic plate shaped to conform to a zone contour line of said refractor, said plate being included be-



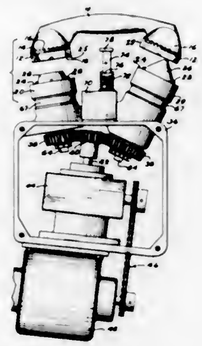
tween and completely separating two of said stepped zones.

2,599,764

MACHINE FOR REMOVING THREADED DIES FROM MOLDED PARTS

John Krebs, Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application November 3, 1949, Serial No. 125,244
8 Claims. (Cl. 81—57)



1. A die extracting machine comprising a pair of rotatable die removing elements having means forming interlocking engagement with a pair of threaded die rings on an article, means mounting said elements for rotation about converging axes and for limited axial movement from a normal position toward the intersection of said axes, spring means for yieldably urging said elements to their normal positions, drive means including a motor for simultaneously rotating said elements, and switch means engageable with said article when said article is moved into operative position in said machine to effect the actuation of said driving means to unscrew said threaded die rings from said article.

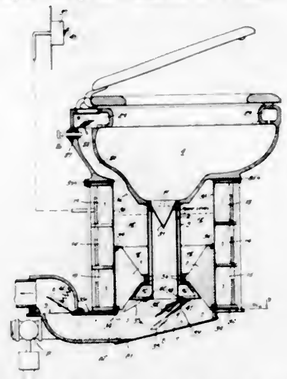
2,599,765

WATER CLOSET

Martin J. Kumnick, Englewood Cliffs, N. J.

Application June 25, 1949, Serial No. 101,293
19 Claims. (Cl. 4—77)

1. A water closet comprising a bowl, a discharge tube and an intake tube connected to said bowl, a flushing mechanism for forcing fluid through said intake tube into said bowl for discharge through said discharge tube, comprising a reciprocatable electromagnetic plunger, electromagnetic means for reciprocating said plunger, and means for energizing said means whereby said plunger may be caused to reciprocate cyclically to force fluid into said bowl during one-half of its reciprocatory cycle.

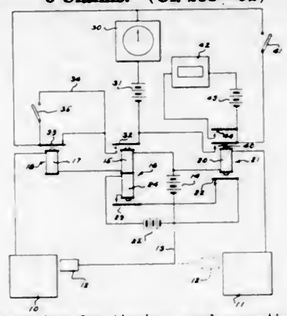


2,599,766

DEVICE FOR MEASURING AND COUNTING TIME INTERVALS

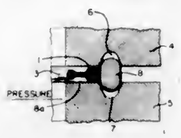
John W. Linsley, Jr., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 8, 1950, Serial No. 148,479
8 Claims. (Cl. 235—92)



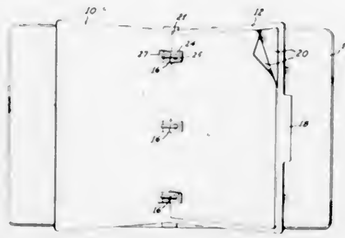
1. Apparatus for timing and counting work intervals between a start position and a destination position comprising, a timer, a counter, separate voltage sources for said timer and counter, a stylus, a contact plate at said starting position adapted to be contacted by said stylus, a common voltage source, a first and a second relay having their windings serially connected between said starting plate and stylus through said common voltage source, a set of normally closed contacts on said first relay and a set of normally open contacts on said second relay, said sets of contacts being serially connected between said timer and its voltage source, a second winding on said second relay, a voltage source therefor, a set of normally open contacts on said second relay in series with said last-mentioned winding and its voltage source to provide a locking circuit for said second relay, a contact plate at said destination position adapted to be contacted by said stylus, a third relay having its operating coil serially connected between said destination plate and said stylus through said common source, a set of normally closed contacts on said third relay connected in said locking circuit, and a set of normally open contacts on said third relay connected between said counter and its voltage source.

2,599,767
RUBBER SEAL JOINT
Joe G. Long, Houston, Tex.
Application April 1, 1946, Serial No. 658,739
3 Claims. (Cl. 285—1)



1. In combination with an assembly having a recess with substantially parallel sides therein and a joint to be sealed adjacent the bottom of said recess, the improvement which comprises an integral sealing member having a sealing portion of soft flowable material and of a thickness when undistorted slightly greater than the width of said recess, said sealing portion being disposed adjacent the bottom of said recess in sealing engagement with the sides of the recess to be urged into sealing position with respect to said joint to be sealed by pressure of fluid applied through the open face of said recess, a stiffening rib of thickness less than the width of said recess and free from sealing engagement with the sides of the recess, said rib integral with said sealing portion and extending therefrom toward the open face of said recess, and an integral stiffening bead of greater thickness than said rib and of less thickness than said recess adjacent the opposite edge of said rib.

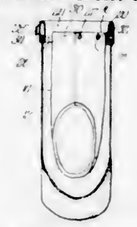
2,599,768
FILING FOLDER
William F. Losch, Jr., Los Angeles, Calif.
Application January 12, 1946, Serial No. 640,846
3 Claims. (Cl. 129—1)



2. A filing folder adapted to individually retain at least one sheet of paper and to fit a ring binder comprising a front cover and a back cover having a hinged connection along one edge of each, tabs spaced to conform with the spacing of rings in the binder comprising the material of one only of said covers extending initially from the line of the hinge laterally into said one cover, said tabs having ring holes therein and the other cover having ring holes spaced to conform with the spacing of the rings in the binder and spaced inwardly from said one edge in conformance with the spacing of ring holes in the tabs, and at least one sheet of paper in said folder having ring holes spaced to conform with the spacing of the rings in the binder, and fastening means adjacent the ring holes joining the tab, the paper and said other cover.

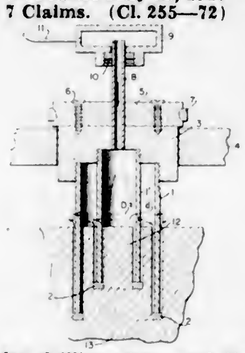
2,599,769
SPORT SHORTS
William R. S. MacRae, Sydney, New South Wales, Australia, and Arthur R. Kneibler, Kenosha, Wis., assignors to Cooper's Incorporated, Kenosha, Wis., a corporation of Wisconsin
Application September 10, 1949, Serial No. 114,970
3 Claims. (Cl. 2—228)

1. A garment of the character described comprising outer trunks, means adapted to constrict the waistline of said trunks and to support said outer trunks from the waist of the wearer, an inner garment made of knitted material adapted to give support to the wearer, said inner garment being formed of a plurality of knitted pieces, the wales of which extend in directions such that said pieces have a resiliently conforming relation to the anatomy of the wearer and yet provide adequate support therefor, the upper edge of the rear portion of said inner garment being secured to the rear portion of said outer trunks substantially parallel and in spaced relation to the rear upper edge of said trunks, an elastic waistband at the front upper edge of said



inner garment of lesser length than the front upper edge of the unconstricted waistline of said trunks, said elastic waistband of said inner garment being capable of being positioned on the wearer independently of said waistline of said trunks so as to enable the wearer to select the degree of support desired from said inner garment.

2,599,770
TOOL FOR DRILLING ROCKS AND THE LIKE AND DRILLING DEVICE COMPRISING SUCH TOOLS
Paul Marcerou, Paris, France, assignor to "Sonapar," Societe de Participation, S. A., Luxembourg, Luxembourg
Application May 12, 1948, Serial No. 26,665
In France May 12, 1947
7 Claims. (Cl. 255—72)



1. A tool for drilling stone and the like, the tool comprising two concentrically placed pipes, to the free end of which is fastened at least one small mass of an abrasive material so formed as

to project inside, outside and before the free end of the two pipes and forming inner and outer annular cutters, the pipes and the abrasive material being spaced and the inner annular cutter located in a plane above that of the outer cutter so as to leave an annular uncut portion of stone between the pipes, means for rotating said pipes around their longitudinal axis, means moving said pipes axially, and means circulating a fluid through said device for cooling tools and withdrawing stone chips and dust.

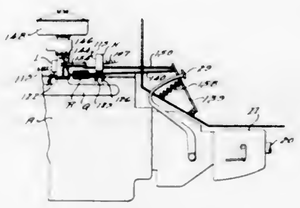
2,599,771
GELS OF CARBOXYALKYL ETHERS OF CARBOHYDRATE GUMS
Owen A. Moe, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application July 19, 1950, Serial No. 174,785
13 Claims. (Cl. 260—209)

1. A gel comprising the reaction product of an aqueous sol of a carboxyalkyl ether of a gum selected from the group consisting of galactomannan and glucomannan gums, and a soluble polyvalent metal salt selected from the group consisting of iron and aluminum salts.

2,599,772
WAGON HOIST
Donald E. Moore, Kokomo, and Herman Doyle Moore, Frankfort, Ind.
Application February 10, 1949, Serial No. 75,612
1 Claim. (Cl. 254—144)

A wagon elevating mechanism comprising in combination, a supporting base, a pair of triangular end frames extending upwardly from said base with the apex of the triangle at the top, a platform structure disposed between said end frames, guide means on the opposite ends of said platform structure embracing the legs of said end frames, cable pulleys at the apexes of said triangular frames, cables passing over said pulleys, flexible means connecting the operating ends of the cables with the platform and biasing means shorter than said first mentioned means connecting the operating ends of the cables with the platform.

2,599,773
POWER TRANSMISSION
Carl A. Neracher and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 9, 1941, Serial No. 373,756
112 Claims. (Cl. 74—472)

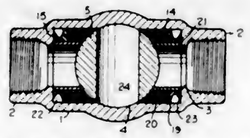


1. In a motor vehicle drive having a throttle-controlled engine and a rotatable driving structure adapted to receive drive from the engine and a rotatable driven structure adapted to transmit drive from the driving structure for driving the vehicle; relatively slow speed driving means, including an overrunning device operably associated therewith, for transmitting relatively slow speed drive from the driving structure to the driven structure; relatively fast speed driving means for transmitting relatively fast speed drive from the driving structure to the driven structure, including frictionally engageable drive control elements cooperable for relative engagement therebetween to establish said fast drive and for relative disengagement therebetween to release said fast drive; said device automatically overrunning in response to coast of the driving structure to allow the driven structure to overrun the driving structure thereby to enable establishment of said fast drive; a throttle-controlling pedal adapted for movement under control of the vehicle driver between a first position which causes said engine and driving structure to drive the vehicle in said slow drive and a second position which causes said engine and driving structure to coast with accompanying overrun of said device and release of said slow drive; power operating means operable to effect said frictional engagement of said drive control elements thereby to establish said fast drive; and control means for controlling operation of said power means as a function of movement of said pedal such that said drive-establishing operation of said power means is effected by the positioning of said pedal in its said second position and such that said drive-establishing operation of said power means is prevented by the positioning of said pedal in its said first position.

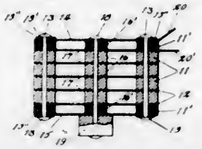
2,599,774
VALVE ASSEMBLY
Robert L. Ohls, Houston, Tex.
Application May 6, 1947, Serial No. 746,411
4 Claims. (Cl. 251—113)

4. In a valve assembly a seal ring composed of resilient material one end of which is formed into an annular lip and whose other end is arcuate to conform to the shape of and to fit against a cylindrical object, said seal ring having layers

of durable material in alternate relation with the resilient material with the margins of the durable material flush with the arcuate end of the seal ring.

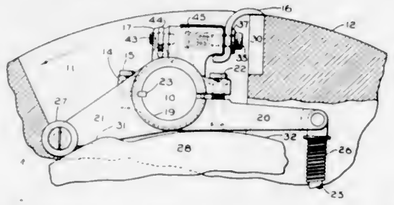


2,599,775
ELECTROSTATIC SEISMOMETER
Glen Peterson, Tulsa, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 1, 1948, Serial No. 36,550
2 Claims. (Cl. 177—352)



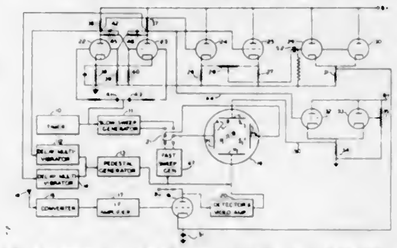
1. A capacitive seismometer comprising a set of fixed spaced conductors in the form of flat rings, a second set of spaced conductors in the form of discs, means for resiliently supporting said second set of conductors with their outer edges in alignment with the inner edges of said first set and means for electrically connecting said sets of conductors into two separate groups, whereby the ratio of variable capacitance to fixed capacitance of the seismometer is large.

2,599,776
SHEET GRIPPER STRUCTURE AND SETTING MEANS THEREFOR
Henri E. Peyrebrune, River Forest, Ill., assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 24, 1947, Serial No. 750,311
5 Claims. (Cl. 101—409)



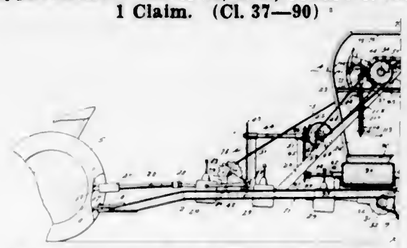
1. A spring gripper assembly, comprising in combination, an operating shaft for supporting a series of gripper units, each unit including a gripper finger support mounted for free movement about the axis of said shaft and a bracket rigidly secured on the latter, a pad coacting with the gripper finger, spring means interposed between said support and said bracket, means for adjusting the tension of said spring means to thereby vary the pressure exerted by the gripper finger onto its associated pad and to thereby preload the bite of the finger, said means also serving to provide for a predetermined relative movement between said support and said bracket, cam means associated with said operating shaft for closing the gripper finger onto its coacting pad, and spring means acting on said shaft for opening the finger.

2,599,777
GAIN CONTROL DEVICE FOR RADIO RECEIVERS
John A. Pierce, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 14, 1945, Serial No. 593,607
11 Claims. (Cl. 250—20)



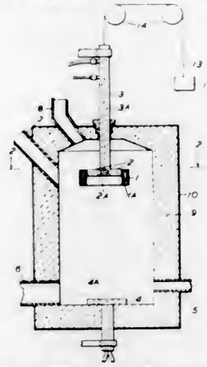
10. A gain control circuit for a receiver comprising, in combination, means for generating a rectangular voltage wave having positive and negative half cycles of equal duration, first and second electron tubes each having at least an anode, a cathode, and a control grid, and each being connected as a cathode follower, means for applying said rectangular voltage wave to the control grids of said first and second tubes in phase opposition, a potentiometer connected between the cathodes of said first and second tubes, and means connected to the movable arm of said potentiometer and responsive to said positive and negative half cycles for decreasing and increasing, respectively, the gain of said receiver.

2,599,778
TRENCH EXCAVATOR
Daniel F. Przybylski, Winona, Minn.
Application November 23, 1945, Serial No. 630,310
1 Claim. (Cl. 37—90)



In combination with a tractor having a power take-off, a trench excavator including an elongated substantially rectangular frame, dual wheels mounted beneath one end of the frame supporting the frame, a speed transmission mounted on forward end of the frame, a drive shaft coupled between the power take-off and the speed transmission including therein a slip clutch, a secondary speed transmission mounted on the frame in rearwardly spaced relationship to the first named transmission, a drive connection between the two transmissions, a differential mounted beneath the frame and having drive connection with the secondary transmission, each of said ground engaging wheels having chain-drive engagement with the differential, a driven shaft rotatably mounted above and transversely of the frame, an elongated boom disposed longitudinally of the frame and mounted to swing about the axis of the driven shaft, an endless bucket digger movably mounted longitudinally of and on the boom and having operable connection with the driven shaft, a bucket scraper yieldably mounted adjacent the driven shaft and aligned with the travel line of said buckets, an endless discharge conveyor mounted transversely of the frame beneath the bucket scraper and overhanging one side thereof, said driven shaft and said conveyor having a common operable drive connection with that drive shaft interconnecting the two speed transmissions, and a hand operable windlass on said frame for raising and lowering the boom about the axis of the driven shaft.

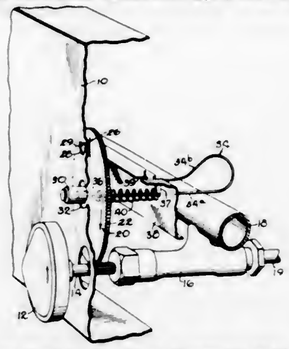
2,599,779
ELECTRIC FURNACE
Vaclav Rajtora, Paris, France
Original application March 9, 1949, Serial No. 80,364. Divided and this application December 28, 1949, Serial No. 135,485. In Switzerland January 26, 1949
3 Claims. (Cl. 13—23)



1. An electric furnace for heating gases and for carrying out endothermic chemical reactions in a solid electric-resistance type charge that is fed through the furnace, comprising a top wall, a side wall and a bottom wall, an electrode located in contact with the charge horizontally in the upper region of the furnace, being substantially inwardly spaced from and located centrally of said side wall and being spaced downwardly from the top of the furnace, said electrode comprising a hollow cylindrical ring having inner and outer walls, means extending from one wall of the furnace to support said ring, said means including conduits for the flow of cooling fluid between said inner and outer walls of said ring, and a continuous plate electrode located in contact with the charge horizontally and substantially centrally at the bottom wall of the furnace and spaced substantially inwardly from the side wall thereof, whereby electric current flows axially through the furnace and the chemical reaction takes place mainly around the centre thereof.

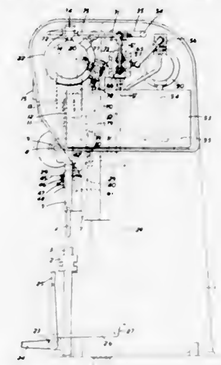
2,599,780
ADJUSTABLE INDICATOR FOR STOVE VALVES
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application October 31, 1946, Serial No. 706,915
6 Claims. (Cl. 126—39)

2. In a stove the combination of a panel, a burner valve, a rotatable stem for said valve and an adjustable low-fire position indicator for said valve including a disk positioned behind said panel and viewable therethrough, means secured



to said disk and projecting through said panel by which the setting of said disk can be adjusted, and resilient holding means operable to urge said disk into driving engagement with said valve stem.

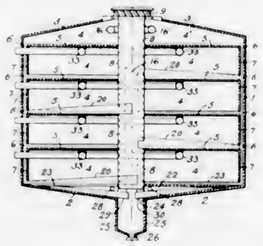
2,599,781
HYDRAULIC SYSTEM FOR ACTUATING THE TOOL-CARRYING BEAM OF SHEET BENDING MACHINES
Charles Joseph Rhodes, Wakefield, England
Application May 25, 1949, Serial No. 95,292
In Great Britain April 4, 1949
1 Claim. (Cl. 121—38)



A hydraulic system for raising and lowering the tool carrying beam of a machine for bending sheets and plates of metal, comprising a double-ended cylinder, a piston movable in said double-ended cylinder and operatively connected to said beam to raise and lower the same with a predetermined stroke, a source of pressure fluid, a return conduit, a four-way control valve connected to said source of pressure fluid, said cylinder and said return conduit, a movable valve member within said valve, a spring for urging said movable valve member into one extreme position, which is the normal position, to place the end of said cylinder for raising said beam in communication with said source of pressure fluid and to place the other end of said cylinder in communication with said return conduit, said movable valve member being movable into a second extreme position, which is the operative position, the place said first-mentioned end of said

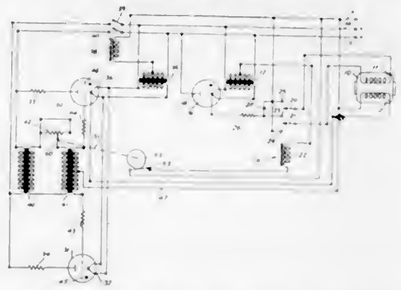
cylinder in communication with said return conduit and to place said other end of said cylinder in communication with said source of pressure fluid, initial movement of said movable valve member from said operative position towards said normal position being operative to reduce the flow of liquid to said other side of said cylinder, a control lever, a rocking lever operatively connected to said control lever, a latch member releasably connecting said rocking lever to said movable valve member, said control lever being movable to set said movable valve member in said operative position so as to initiate downward movement of said beam, a first cam member adjustably mounted on said beam and adapted, when said beam reaches a selected distance from the bottom of its stroke, to actuate said rocking lever to impart to said movable valve member initial movement from said operative position towards said normal position, so that the downward movement of said beam is slowed down, and a second cam member carried by said beam and adapted, when said beam reaches the bottom of its predetermined stroke, to release said movable valve member from said rocking lever and thus permit said movable valve member to be restored by spring action to said normal position, whereby movement of said beam is then reversed.

2,599,782
CONTINUOUS CLARIFIER
Luis M. Ibañez Rodriguez, Habana, Cuba
Application October 3, 1947, Serial No. 777,625
In Cuba December 6, 1946
2 Claims. (Cl. 210—55)



1. A continuous clarifier comprising a vertically positioned cylindrical tank having top and bottom walls, a plurality of vertically spaced apart trays forming a top feed chamber and various clarification compartments beneath the top feed chamber and with their circumferences spaced apart from the peripheral wall of the tank to form a juice feed annular channel extending from the top feed chamber and communicating with each compartment, means for introducing liquid into said top feed chamber, a rotatably mounted vertical central tubular mud channel extending through a central opening in all of said trays and divided interiorly into as many longitudinal mud leading sections as there are compartments provided, scrapers on the trays fixedly secured to the rotatable mud channel, an outer mechanism for imparting a rotative motion to the central mud channel and all scrapers secured thereto, circularly arranged conduits extending adjacent the lower faces of the trays centrally of the compartments and provided with perforations in their upper portions for carrying off the clarified liquid, the central tubular mud channel having an opening in the peripheral wall thereof located directly above each tray to discharge the mud from each compartment separately from each other without any passage of juice from one compartment to another, a mud concentration chamber at the lower end of said tank, a horizontal partition across the tank, separating the upper portion of the tank from said mud chamber, the lower end of said rotary central tubular channel extending through said partition to discharge the mud from the individual compartments into said mud concentration chamber, and means including a discharge opening in the bottom of the tank for discharging the concentrated mud from said mud concentration chamber.

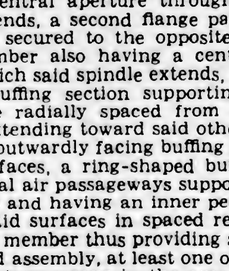
2,599,783
MOTOR SPEED CONTROL APPARATUS
John J. Root, New York, N. Y.
Application November 13, 1948, Serial No. 59,799
3 Claims. (Cl. 318—257)



1. Motor speed control apparatus comprising a pair of grid controlled vacuum tubes connected as a full wave rectifier, the cathodes of the tubes being joined, means to connect the armature of a motor into the joint cathode circuit so as to supply a direct current to the armature, a manual control for the grid of said tubes whereby the output voltage of the rectifier may be initially adjusted so as to predetermine the operating speed of the motor, and a connection from said grid for connecting the armature thereto for varying the voltage of said grid according to the operating speed of the motor, said manual control comprising a double transformer arrangement between the plates and grids of the armature rectifier tubes, said transformer arrangement including two primary windings, two series connected low voltage legs, and a potentiometer connected in series with said low voltage legs.

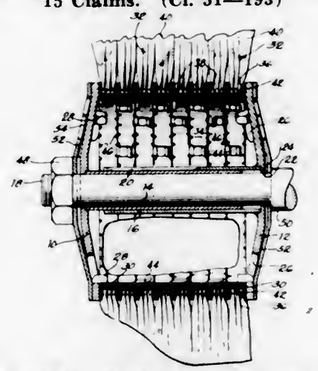
2,599,784
COLLAPSIBLE COPYHOLDER
Stephen Sattler, Tulsa, Okla.
Original application December 6, 1944, Serial No. 566,809. Divided and this application February 11, 1950, Serial No. 143,699
5 Claims. (Cl. 120—29)

1. A collapsible copyholder including means comprising a first part and a second part for holding and moving copy, biasing means to urge said second part against said first part in extended position of said copyholder, means including a rock shaft to separate said second part from said first part and overcome said biasing means, and means to restore the effectiveness of said biasing means upon movement of the copyholder from collapsed to extended position, said restoring means comprising a member connected to said copyholder for movement upon extension of the copyholder, a pivot member having one end engaged by said connected member, and a lever secured at one end to said rock shaft and in the same plane as said pivot member, the other end of said pivot member engaging the free end of



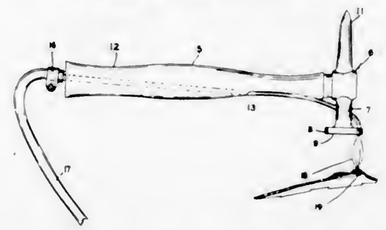
said lever to move said lever for rocking said shaft upon movement of said pivot member by said connected member.

2,599,785
BUFFING
Ben P. Sax, Chicago, Ill., assignor to Automatic Buff Company, Chicago, Ill., a corporation of Illinois
Application September 20, 1949, Serial No. 116,740
15 Claims. (Cl. 51—193)



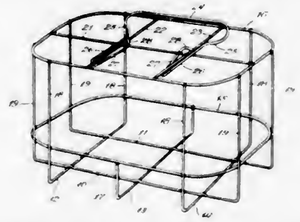
15. A buffing wheel assembly comprising a spindle, a first tubular member slip-fitted over said spindle and coaxial therewith, a second tubular member telescopically slip-fitted over said first member in longitudinally adjustable coaxial relationship, a first flange secured to one end of said first member perpendicular to said spindle having a central aperture through which said spindle extends, a second flange parallel to said first flange secured to the opposite end of said second member also having a central aperture through which said spindle extends, an annularly arranged buffing section supporting means on each flange radially spaced from said tubular members extending toward said other flange and presenting outwardly facing buffing element supporting surfaces, a ring-shaped buffing element having radial air passageways supported between said flanges and having an inner peripheral edge engaging said surfaces in spaced relationship to said second member thus providing a hollow portion for said assembly, at least one of said flanges having aperture means in the area between the central aperture and the annularly arranged means providing an air inlet to said hollow portion, and means on said spindle for clamping said flanges together in secure element-supporting relationship.

2,599,786
SHRINKING HAMMER FOR SHEET METAL WORKING
Darrell D. Schmeling, Watertown, S. Dak.
Application November 3, 1950, Serial No. 193,808
7 Claims. (Cl. 81—15)



6. A shrinking hammer for sheet metal working having in combination, a shank, a rigid, noncombustible block fixedly mounted on one end portion of said shank, said block having a neck portion and a head portion, said head portion having a continuously smooth downwardly facing pounding surface, a nozzle carried by said shank and disposed adjacent the periphery of said head portion and slightly above said pounding surface, said nozzle being directed downwardly toward a point immediately beside said pounding surface whereby as said head is applied to a section of sheet metal to work the same, said nozzle may direct a burning flame to an area of such metal immediately adjacent such section to prepare the same to be worked by said pounding surface, and conduit means connected to said nozzle for connecting the same with a source of highly inflammable gas, said conduit means extending through said neck portion.

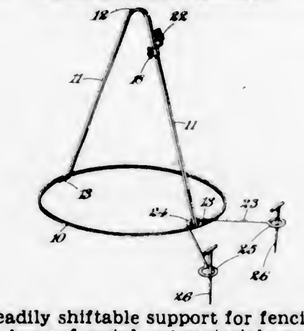
2,599,787
BOTTLE CARRIER
Thur Schmidt, Chicago, Ill.
Application November 20, 1948, Serial No. 61,269
2 Claims. (Cl. 224—48)



1. A bottle carrier comprising an open wire frame having a top consisting of an upper marginal wire extending around the frame and intersecting longitudinal and cross wires defining a plurality of rectangular openings for receiving bottles, together with a bottom comprising intersecting longitudinal and cross wires offset with respect to the upper wires to provide an intersection below each opening in the upper frame; a plurality of vertical wires interconnecting the bottom and top of the frame at each side and each end and a lower marginal wire extending around the frame and secured to said vertical wires; together with a folding handle consisting of a bail having legs spaced apart from each other and provided with elongated loops encircling a wire of the frame, said loops being off-

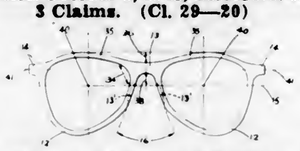
set from the plane of the bail and encircling a longitudinal wire, and a cross wire at their point of intersection.

2,599,788
SUPPORT FOR FENCING
Derrick Seebohm, Hitchin, England
Application December 7, 1949, Serial No. 131,520
In Great Britain December 10, 1948
5 Claims. (Cl. 248—199)



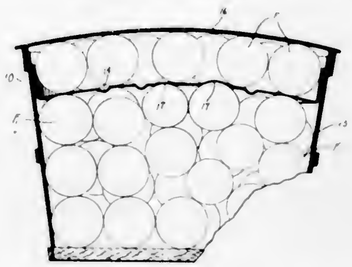
1. A readily shiftable support for fencing comprising a base of metal rod material arranged to lie in one plane so as to rest flat upon the ground, and two upstanding limbs of metal rod material having their lower ends spaced apart and attached to portions of said base, said limbs converging as they extend upwardly from the base and being joined together at their upper ends.

2,599,789
METHOD OF ADJUSTING OPHTHALMIC MOUNTINGS
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 8, 1945, Serial No. 620,903
3 Claims. (Cl. 29—20)



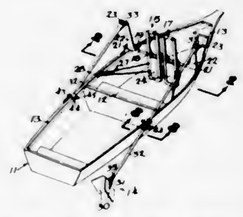
1. The method of altering the positional relation of the parts of an ophthalmic mounting embodying a pair of lens rims of odd shape having the bridge member on the nasal portions thereof and temple connection members on the temporal portions thereof while retaining the longitudinal axes of said members in substantially parallel relation with a horizontal line extending through the centers of the lens rims, said method comprising altering the angle of the upper and lower contour edge portions of the rims substantially similar amounts with respect to said horizontal line and in the same direction while retaining the angle of the nasal and temporal portions of the rims substantially constant with respect to said horizontal line by bending said upper and lower contour edge portions about axes located adjacent their points of merger with the respective nasal and temporal portions and holding the shape of said portions substantially unchanged whereby the positional height of said members may be altered with respect to said horizontal line while retaining the longitudinal axes of said members in parallel relation and the lens rims to substantially the same general odd shape.

2,599,790
METHOD OF AND MEANS FOR PACKING FRUIT
Clifton F. Stuart, Warren, Ohio, assignor of one-half to Guy E. Lane, Youngstown, Ohio
Application May 15, 1950, Serial No. 161,937
2 Claims. (Cl. 99—171)



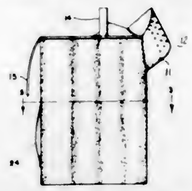
1. The method of packing fruit comprising indiscriminately filling a receptacle short of capacity with fruit, placing a layer of said fruit in display arrangement within a tray container formed of sheet aluminum having sufficient strength to permit handling while retaining its shape, said tray container being deformable under relatively light pressure and having the tendency to retain such deformity, placing said tray container with the display layer of fruit therein within the top of said receptacle, and pressing said tray container inwardly of said receptacle so that any unevenness of the top layer of indiscriminately filled subjacent fruit in said receptacle will result in indenting said tray container to accommodate and compensate for such unevenness, the inherent strength of said aluminum tray material when filled with fruit permitting its removal and replacement relative to said receptacle for visual inspection of the subjacent fruit in the receptacle.

2,599,791
MANUALLY OPERATED MEANS FOR PROPELLING BOATS
Claus H. Swenson, Minneapolis, Minn.
Application January 3, 1949, Serial No. 68,937
11 Claims. (Cl. 115—31)



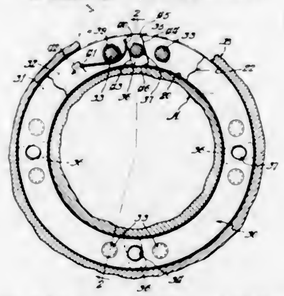
1. In a device of the class described, a support, a pair of U-shaped pedals the side members of which are intermediately pivoted on the supports, each pedal having a crank-arm operatively connected therewith, a pair of propellers, connections from the crank arms to the propellers, a rocking foot plate mounted in each pedal between its transverse member and said support, and a hand-hold on the upper end portions of said side members of the pedals.

2,599,792
COMPACTLY FOLDABLE SPRINKLER MEANS
Mary Turansky, Chicago, Ill.
Application August 30, 1950, Serial No. 182,187
6 Claims. (Cl. 299—101)



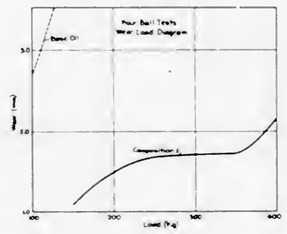
1. A compactly foldable sprinkler device, comprising a body made of flexible material and having longitudinal pleat portions, an arcuately-shaped section partially closing the top of the said body defining a filler opening, a sprinkler section made of flexible material and formed contiguously to the said arcuately-shaped section and positioned to point obliquely upwardly forming a crotch portion at the point of juncture of the said sprinkler section with the said body, a carrying handle straddling the open top of the said body, and an auxiliary handle secured to the outer surface of the said body and at right angles to the said first-mentioned handle.

2,599,793
SPRAG TYPE CLUTCH
Archibald A. Warner, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 25, 1946, Serial No. 699,106
2 Claims. (Cl. 192—45.1)



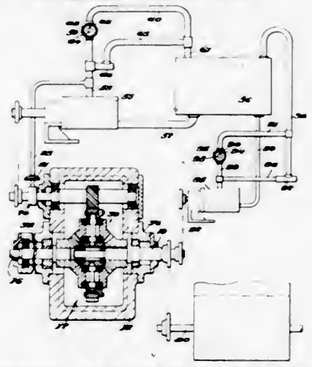
1. A one-way clutch assembly adaptable to be positioned between spaced coaxially arranged driven and driving members adapted for movement independent of each other and simultaneously with each other, comprising annular side plates oppositely arranged and held in predetermined spaced relationship in parallel planes by a plurality of annularly spaced cross bars, said side plates having a plurality of apertures arranged opposite each other in the respective side plates, a plurality of sprags each having a trunnion at each end thereof and said trunnions being adaptable to be received into said apertures and being free to rotate about upon their own axes in said apertures, one of said side plates having tongue projections, and individual spring means for each sprag comprising a wire spring defining convolutions adapted to receive and be carried by a cross bar and having portions adjacent one end in central engagement with a sprag and portions adjacent the opposite end being hooked over and held in restricted position by one of said tongue projections, thereby to cause a relatively slight spring tension against the sprag when assembled in its operative position.

2,599,794
LUBRICATING COMPOSITIONS
William Cyril Webber, New Malden, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 18, 1948, Serial No. 55,043
In Great Britain October 28, 1947
3 Claims. (Cl. 252—51)



1. A lubricating composition comprising a mineral lubricating oil having incorporated therein in an amount sufficient to impart extreme pressure properties thereto nitro-1,3-benzodioxane containing from one to two trichloromethyl radicals directly attached to the dioxane ring, said nitro group being attached directly to the 6-position of the benzodioxane.

2,599,795
FLUID CONTROL MECHANISM FOR DRIVING WINDING MACHINES
Joseph H. White, Ashaway, R. I.
Application December 18, 1948, Serial No. 66,059
4 Claims. (Cl. 74—778)



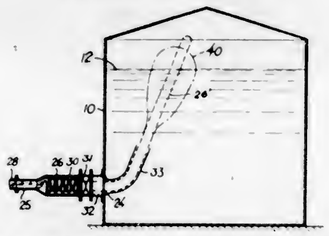
1. A driving mechanism for a take-up roll comprising a driving shaft, a driven shaft operating said take-up roll, differential gearing connecting said shafts including a unit relatively rotatable with reference to both of said shafts, a pressure fluid system including a pump driven from said unit, means for throttling the flow through said system to load said pump and retard said unit, a brake to retard said unit and means responsive to the pressure on said fluid system for releasing said brake.

2,599,796

MEANS FOR THE EXTINCTION OF FIRE IN TANKS FOR COMBUSTIBLE LIQUIDS

Anders Emanuel Wicklander, Nynashamn, Sweden

Application November 3, 1950, Serial No. 193,808
In Sweden October 31, 1949
9 Claims. (Cl. 169—4)



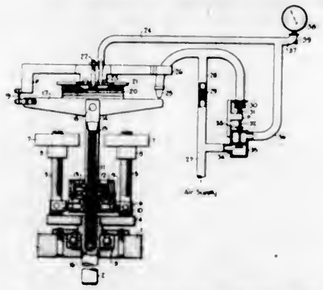
1. An apparatus for extinguishing fire in tanks or other storage chambers containing an inflammable liquid comprising an inlet opening for introducing a fire extinguishing medium below the surface of said liquid, an envelope for said fire extinguishing medium adapted to be projected from said inlet opening to a point above the liquid surface, said envelope being made of material at least a portion of which is fusible but impervious to said liquid, and means for projecting said envelope and said fire extinguishing medium from said inlet opening.

2,599,797

METHOD AND DEVICE FOR SENSING SPEED WITH PRESSURE OUTPUT

Joseph G. Wilson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 11, 1947, Serial No. 779,323
14 Claims. (Cl. 264—14)



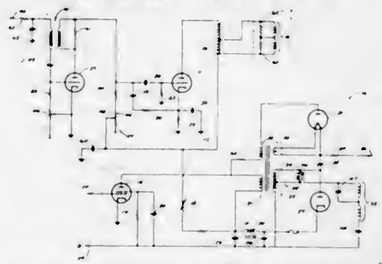
1. A speed sensing and pressure transmitting unit with a fluid pressure output comprising a flyball mechanism, a fluid pressure responsive element disposed to balance the centrifugal force of the flyball mechanism, a fluid supply conduit in open communication at all times with said pressure responsive element adapted to be connected to a source of high pressure fluid, throttling means in said supply conduit for automatically and continuously reducing the pressure of fluid delivered to said pressure responsive element, normally open variable vent means responsive to changes in the speed of said mechanism for venting a variable quantity of fluid from said pressure responsive element to reduce the fluid pressure acting thereon, said vent means being operable to vent a relatively greater quantity of fluid as the speed of said mechanism is decreased, and a fluid pressure output conduit in pressure communication with said fluid pressure responsive element adapted to be connected to a pressure responsive receiving instrument to transmit thereto a fluid pressure indicative of the speed of the said mechanism.

2,599,798

LINEARITY CONTROL CIRCUIT FOR TELEVISION RECEIVERS

Francis A. Wissel, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application January 13, 1950, Serial No. 138,315
10 Claims. (Cl. 315—27)



1. In a television receiver the combination of a non-linearly operated power output repeater tube having at least cathode, anode, and control grid electrodes, a cathode bias resistor in series with said cathode, an electromagnetic beam deflecting winding, a transformer for coupling said winding to the anode circuit of said tube, means including a periodically charged capacitor coupled to the grid circuit of said tube for impressing on said tube voltage waves each having a linear wave portion, the extent of which determines a dimension of the image raster, whereby said tube impresses on said windings deflecting current waves each having a linear wave portion, a voltage source for charging said capacitor and providing anode voltage for said power output tube, and means including a variable resistor in D. C. series with said source and said transformer and said capacitor and said repeater tube anode for simultaneously increasing or decreasing the plate voltage applied to said repeater tube anode as the extent of said charge is increased or decreased, respectively, thereby to utilize the counterdistortion introduced by the non-linear impedance of said tube to compensate for the distortion introduced by said transformer.

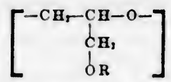
2,599,799

ETHERS OF POLYMERIZED EPIHALOHYDRIN

Harold Wittcoff, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

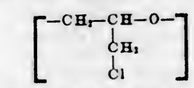
No Drawing. Application February 24, 1948, Serial No. 10,562
5 Claims. (Cl. 260—615)

1. Process of producing an ether of a linear polymer, the ether containing the following unit structure:



in which R is the residue of the etherifying agent, which comprises reacting a linear polymer of

epichlorhydrin having the following unit structure



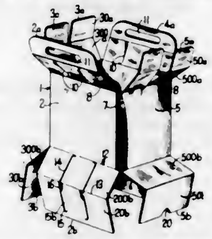
with an alcohol under alkaline conditions to produce said ether.

2,599,800

SHIPPING AND CARRY-OUT CARTON

Raymond E. Wolfe, Beaver, Pa., assignor to The Fairfield Paper and Container Company, Baltimore, Ohio, a corporation of Ohio

Application March 4, 1949, Serial No. 79,594
2 Claims. (Cl. 229—39)



1. A carton of the type described having four walls, an end structure on the carton including a flap hinged to the edge of each wall, the flaps on each of the pairs of opposite walls being identical with each other but different from the flaps on the other pair of walls, each of the flaps being provided with an inner section hinged to the adjacent wall and an outer section hinged to the inner section, each of one pair of flaps being free of slots, each of the other pair of flaps being provided with a pair of slots extending substantially from the inner hinge line of the flap through both sections thereof to a point spaced from the outer edge of the flap to provide an unslotted portion at such edge, each of said slots being spaced from the side edge of the flap a distance equal to the width of the inner section of each of the other pair of flaps in a direction at right angles to the hinge connections thereof, and each of the first-named pair of flaps being provided with a notch at its outer edge substantially midway between its side edges, said slots forming tabs in both the inner and outer sections of said other pair of flaps, the tabs in the outer sections of said last-named flaps terminating short of the hinge line of said last-named outer section.

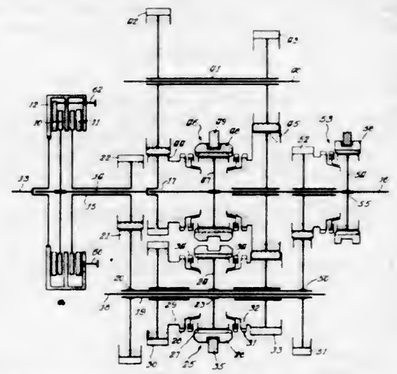
2,599,801

DOUBLE COUNTERSHAFT TRANSMISSION

Harold T. Youngren, Birmingham, Mich., and Sidney V. Hettinger, Jr., Westchester, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application June 11, 1949, Serial No. 98,592
6 Claims. (Cl. 74—330)

1. In a transmission, the combination of a drive shaft, a driven shaft, a pair of countershafts, means for providing a low speed power train between said drive and driven shafts through one of said countershafts and including a positive clutch engageable to condition the transmission for the low speed power train and a friction clutch connected in series with the positive clutch and engageable to complete the low speed power train, means for providing a relatively higher speed power train between said drive and driven shafts through the other of said countershafts and including a second positive clutch engageable to condition the transmission for the relatively higher speed power train and a second friction clutch connected in series with the second positive clutch and engageable to complete the relatively higher speed power train, means for providing a still higher speed power train between said drive and driven shafts through said one countershaft and including a third positive clutch engageable to condition the transmission for the still higher speed power train and the first friction clutch connected in series with the third positive clutch



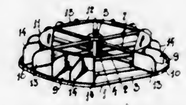
and engageable to complete the still higher speed power train, means for providing a direct drive between said drive and driven shafts and including a fourth positive clutch engageable to condition the transmission for the direct drive and the second friction clutch connected in series with the fourth positive clutch and engageable to complete the direct drive, and means for providing a reverse drive power train between said drive and driven shafts through both of said countershafts and including a fifth positive clutch engageable to condition the transmission for the reverse drive and the first friction clutch connected in series with the fifth positive clutch and engageable to complete the reverse drive.

2,599,802

ROTARY HORIZONTAL FILE

Ernesto Norberto Yzetta, Buenos Aires, Argentina

Application April 5, 1946, Serial No. 659,939
In Argentina January 29, 1946
1 Claim. (Cl. 211—131)



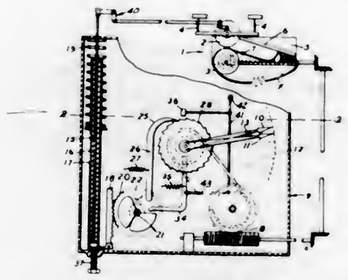
A rotary horizontal file, comprising, in combination, a vertical shaft, a hub rotatably mounted upon said shaft, a frame comprising an outer polygon and an inner polygon, said polygons extending concentrically in a plane perpendicular to the central line of said shaft, stays connecting the corners of said polygons with said hub, with the sides of the polygons equally spaced from the shaft, a third polygon identical with

said inner polygon and stays connecting the corners of the third polygon with said hub and maintaining the third polygon above said inner polygon and with the periphery of the third polygon aligned with the periphery of said inner polygon, and a plurality of boxes adapted to be independently and detachably mounted upon said concentric polygons and said third polygon, each of said boxes comprising a base plate carried by a side of said outer polygon and a backing plate substantially perpendicular to the base plate, said base plate having a rear portion extending beyond said backing plate and resting upon a corresponding side of the inner polygon, said backing plate having along its upper edge a fold adapted to rest over the corresponding side of the third polygon, whereby said box may be removed radially outwardly from said frame.

2,599,803
LUBRICATING COMPOSITION
Seaver Ames Ballard, Orinda, Rupert Clarke Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 1, 1948, Serial No. 57,835
13 Claims. (Cl. 252—56)

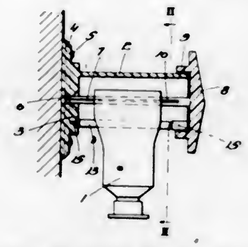
9. A stable lubricating composition comprising as the major lubricating constituent thereof a liquid saturated aliphatic acid diester of a polyalkylene glycol, the alkylene units of said glycol having from 2 to 20 carbon atoms, the molecular weight of said glycol being from about 400 to about 1600, and said acid containing from 2 to 20 carbon atoms; and 1–10% of a linear polymer of an acrylic acid ester selected from the group consisting of acrylic acid esters and methacrylic acid esters, having an average molecular weight within the range 5,000 to 25,000.

2,599,804
APPARATUS FOR MILLING FABRICS
Emile B. Bates, Leicester, England
Application March 14, 1949, Serial No. 81,258
In Great Britain March 16, 1948
11 Claims. (Cl. 26—21)



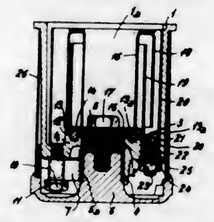
1. In a machine for milling an endless band of fabric having a local projection at one point, at least one driven roller for advancing the fabric, a measuring apparatus driven in synchronism with said driven roller, a clutch in the drive to said measuring apparatus, a displaceable member in the path of said projection to be displaced thereby, and means whereby successive displacements of the member serve to engage and disengage the clutch.

2,599,805
DEVICE FOR DISPENSING MATERIAL FROM COLLAPSIBLE TUBES
Carl-Axel Beijbom, Trelleborg, Sweden
Application August 16, 1950, Serial No. 179,798
In Sweden August 29, 1949
3 Claims. (Cl. 222—98)



1. A dispensing device for dispensing material from a collapsible tube, comprising a hollow cylindrical member, an end wall at one end of said member, means on said end wall adapted for fastening said device to a support at right angles thereto, said member having an axial slot therein open at its outer end for insertion of a flattened end of the tube axially of said member, a longitudinally slotted shaft forming two spaced resilient legs adapted for fastening the flattened outer end of the tube, said shaft being insertable with the tube and fixed thereto into said member, said end wall of said member having an opening constituting a bearing for the so inserted end of said shaft, a knob having an axial flange rigidly secured to said shaft at the other end of said shaft, said flange encompassing the free end of said member and rotatably mounting said shaft in said socket member, a pair of spaced apart rollers arranged parallel to said shaft and revolubly mounted in widened parts of the axial slot in said member and adapted for engaging opposite sides of said tube end, said knob on said shaft outside the open end of said member allowing turning said shaft to thereby expel material from the tube.

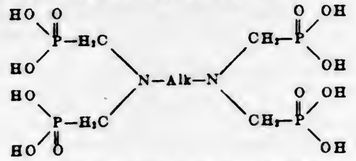
2,599,806
VARIABLE LIQUID RESISTANCE APPARATUS
Norbert R. Benchemoul, Paris, France
Application September 22, 1950, Serial No. 186,252
In France September 29, 1949
4 Claims. (Cl. 201—57)



1. In a variable liquid resistance apparatus, the combination of at least two electrodes constituted by coaxial portions of revolution surfaces, means for relatively rotating said electrodes about their common axis, at least one contact sector fast with and coaxial to one of said electrodes, and at least one contact member in sliding contact with said sector and fast with the other one of said electrodes.

2,599,807
ALKYLENE POLYAMINE METHYLENE PHOSPHONIC ACIDS
Frederick C. Bersworth, Verona, N. J.
No Drawing. Application June 1, 1950, Serial No. 165,597
10 Claims. (Cl. 260—500)

1. Compounds having the formulas:



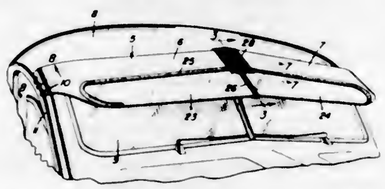
where Alk refers to any aliphatic alkylene carbon group (C_nH_{2n}) containing from 2 to 6 carbon atoms.

2,599,808
REFECTORY TABLE SLIDE
Charles Lee Bolick, Hickory, N. C.
Application March 24, 1948, Serial No. 16,669
2 Claims. (Cl. 311—71)



2. In a refectory table slide frame consisting of a frame guide member and a leaf guide member, the frame guide member having a J-shaped slot therein disposed in a vertical plane with the long leg thereof being lowermost and the upper leg thereof being near the outer end of the frame guide member and directly inwardly, the frame guide member having a slot extending outwardly and downwardly, then upwardly and then outwardly, and a pair of guiding pins for the frame guide member and leaf guide member, there being one disposed in each of the members and having movement in the slot in the adjacent member, the two slots in the frame guide member and the leaf guide member being in super-posed offset relation substantially throughout their length when the leaf guide member is in extended position, and movable latching means provided adjacent the short leg of the J-shaped slot for engaging the guiding pin disposed in the J-shaped slot for latching the leaf guide member in extended position.

2,599,809
SUN VISOR FOR MOTOR VEHICLES
William F. Branch, Buffalo, N. Y.
Application February 25, 1949, Serial No. 78,308
1 Claim. (Cl. 296—95)



A sun visor for a motor vehicle of the type having a center windshield frame, said visor comprising an opaque visor structure including a pair of sections having facing inner ends, means attaching the outer ends of said sections to the vehicle with said sections projecting forwardly above the windshield, upper and lower clamping plates connecting the inner ends of said sections together, a channeled clamping member engaging said frame to support the center of the structure, bolts with spacing sleeves thereon connecting said lower clamping plate to the channeled clamping member, a forwardly projecting tongue on the lower clamping plate, a translucent visor structure supported in a forwardly projecting position at the front edge of said opaque structure and including a pair of sections with inner ends facing, and means attaching the inner ends of the sections of the translucent structure to said tongue.

2,599,810
STABILIZATION OF CROPS
Joseph A. Chenicek, Bensenville, and William K. T. Gleim, Orland Park, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 13, 1950, Serial No. 195,478
16 Claims. (Cl. 99—8)

1. A process for stabilizing crops subject to oxidative deterioration which comprises applying thereto an inhibitor comprising a 5-hydroxycoumaran substituted in the 6-position by a branched chain alkyl group.

2,599,811
WINDOW SASH
Edouard Clerk, Saint Hilaire, Quebec, Canada
Application January 29, 1948, Serial No. 5,131
5 Claims. (Cl. 189—76)

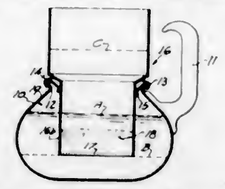


5. In a double glazed sash assembly, a sectional sash frame comprising two half sections, each having a central aperture and having its marginal portion shaped to define the side and bottom walls of a continuous glazing channel extending around the inner edge of the frame, each marginal portion of one of the frame sections being formed with a full length, inwardly facing dowel-receiving groove opposed to but spaced from a full length, outwardly facing dowel-receiving groove formed in the corresponding marginal portion of the companion frame section and a plurality of dowels securing said frame sections in assembled relation, each dowel being fitted in the opposing grooves of corresponding marginal portions of the frame sections and being insertable in and removable from said grooves by longitudinal movement of the dowel through openings provided in one of said frame sections.

2,599,812
BREWING APPARATUS
Fredrik N. Cronholm, Salt Lake City, Utah
Application October 5, 1948, Serial No. 52,896
8 Claims. (Cl. 99—292)

1. Brewing apparatus, comprising a decanter; a grounds container spaced apart inwardly of and depending into the decanter; and an annular

flexible diaphragm having an outer sealing circumference tensioned around the outer side of said decanter; an inner sealing circumference tensioned around said grounds container and a



substantially neutral thin and extremely flexible sheet-like portion connecting said sealing circumferences together; said diaphragm extending unbrokenly across the space between the decanter and the grounds container.

2,599,813

STABILIZATION OF RESINS

Willie W. Crouch and John F. Howe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application January 2, 1951, Serial No. 204,065
22 Claims. (Cl. 260—29.6)

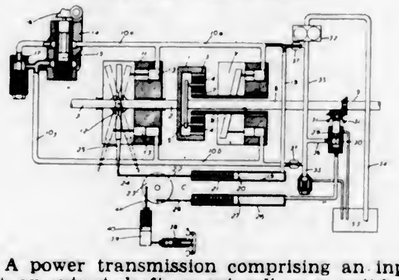
1. A method for the preparation of an olefin-sulfur dioxide resin composition, comprising emulsifying a mono-olefinic organic compound in an emulsion of the oil-water type, and in the presence of sulfur dioxide in a mole ratio to said mono-olefinic compound greater than 1:1, effecting interreaction of said sulfur dioxide with said mono-olefinic compound to form a latex, introducing into intimate admixture with said latex a tin material selected from the group consisting of metallic tin, a tin oxide, a tin hydroxide, and a tin salt excepting tin sulfide, and recovering from the resulting latex admixture a sulfur dioxide-olefin resin of improved stability to thermal decomposition as a product of the process.

2,599,814

HYDROMECHANICAL POWER TRANSMISSION DRIVE

William Cull, Utley, Keighley, England

Application November 23, 1945, Serial No. 630,451
In Great Britain June 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 19, 1963
12 Claims. (Cl. 74—687)



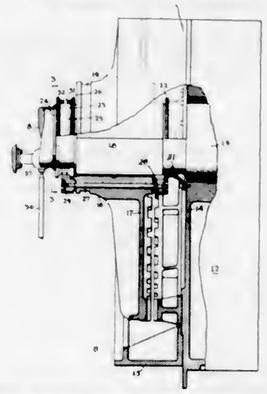
1. A power transmission comprising an input shaft, an output shaft, an epicyclic gear unit having a ring gear, planet pinions, and a sun gear, said ring gear being operatively connected to the input shaft, means operatively connecting the planet pinions to the output shaft, a hollow shaft encircling the output shaft and operatively connected to said sun gear, a torque unit operatively connected to said hollow shaft, a hydraulic regulating unit operatively connected to said input shaft, said torque and regulating units being communicably connected by pipe lines that communicate with each other to provide a closed fluid circuit, means for supplying fluid under pressure to the closed fluid circuit, one of said pipe lines constituting a high pressure main and the other pipe line a low pressure main, a valve unit for controlling communication of the high pressure main with the low pressure main, a control unit communicating with the high pressure main, means operatively connecting the control unit to the regulator unit, and governor means operatively connected to the output shaft and said control unit for operating the latter in accordance with the speed of the output shaft.

2,599,815

ROTATION INDICATOR FOR HOIST DRUMS

Herbert W. Dow, Milwaukee, Wis., assignor to Nordsberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin

Application September 23, 1946, Serial No. 698,681
5 Claims. (Cl. 74—802)



1. Means affording a continuous indication of the rotary movements of a first rotary member, at the remote end of a second and coaxial rotary member which at times rotates with and at other times rotates relatively to the first rotary member, comprising in combination with said rotary members a sun gear coaxial and turning with the first rotary member; a second and freely rotatable sun gear coaxial with the first sun gear and situated at that end of the second rotary member which is remote from the first rotary member; two planet gears journaled in the second rotary member, connected with each other to turn at equal angular velocities and meshing with respective sun gears; and means for indicating rotary motion of the second sun gear, the pitch-ratios of the two sun-planet trains being equal.

2,599,816

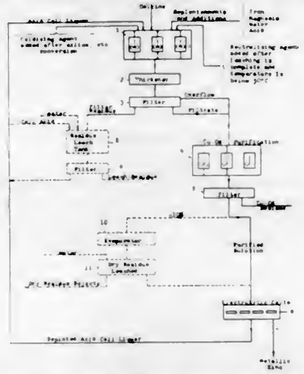
PURIFICATION OF ZINC ELECTROLYTES

John T. Ellsworth, Collinsville, Ill.; Mildred Ellsworth administratrix of said John T. Ellsworth, deceased

Application September 22, 1948, Serial No. 50,625
12 Claims. (Cl. 204—119)

1. In the method of recovering zinc from zinciferous materials involving the leaching of the zinciferous materials with a cyclic sulfuric acid

solution to form a zinc-containing solution which subsequently is subjected to electrolysis for the electrodeposition of zinc therefrom; the improvement in reducing, prior to electrodeposition, the concentration in the solution of soluble salts which exert a harmful effect during electrolysis when present in too high a concentration, which comprises neutralizing the solution by the addition thereto of lime and magnesia in addition to any lime or magnesia originally contained in the



zinciferous material, the lime being added to the solution while the solution is at a temperature below 50° C. but not substantially below 20° C., and agitating the solution after the addition of lime and while it is at said temperature for a period of at least two hours and until iron and at least the major portion of silica and alumina present in the solution in gelatinous form are converted to readily-filterable, granular complexes of iron, lime and silica, and alumina, magnesia and silica.

2,599,817

CARBO-POLYMERIZATION HOMOPOLYMERS OF UNSATURATED ALCOHOL ETHERS OF GLYCIDOLS AND THEIR HOMOLOGS

Theodore W. Evans and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 12, 1948, Serial No. 1,894
4 Claims. (Cl. 260—88.3)

1. A polymerization process for producing a fusible homopolymer which comprises polymerizing an alkenyl monoether of a glycidol of the group consisting of 2,3-glycidol, 1,3-glycidol and the homologs of such glycidols containing not more than 6 carbon atoms by heating said ether as sole polymerizable compound in liquid phase at a temperature of 50° C. to 300° C. in the presence of a polymerization catalyst containing two oxygen atoms joined by an oxygen-to-oxygen bond whereby fusible homopolymer is obtained containing epoxide groups.

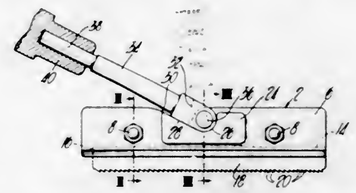
2,599,818

APPARATUS FOR DRIVING WEDGES IN ARMATURE SLOTS

William L. Evans, Gary, Ind.

Application May 9, 1946, Serial No. 668,345
3 Claims. (Cl. 29—203)

1. A wedge driving tool comprising an elongated body member, a driving member fastened to one longitudinal edge of the body member and extending therefrom, serrations on the exposed longitudinal edge of the driving member, a spindle pivotally mounted on said body member at a point substantially midway of the length thereof, an air gun, a portion on the end of said spindle received in said air gun, said spindle



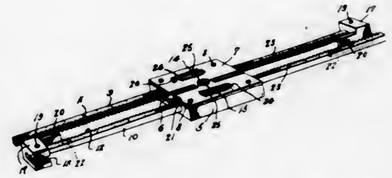
being movable from a position substantially perpendicular to the longitudinal axis of the body member to a rearwardly extending position making an angle of less than 45° with the longitudinal axis of the body member, and stop means on said body member for preventing movement of said spindle beyond said positions.

2,599,819

CENTER GAUGE

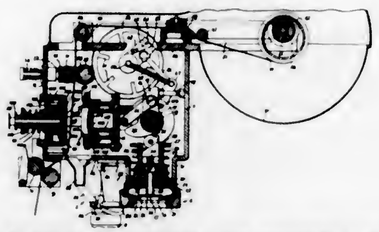
Stephen Fisher, Ecorse, Mich.

Application March 28, 1950, Serial No. 152,350
1 Claim. (Cl. 33—191)



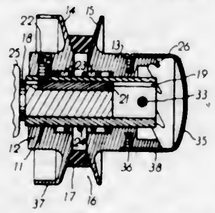
An instrument of the character described comprising a flat rectangular body having a longitudinal groove in its upper face, said groove at each end having a central longitudinal slot, a cover plate for said body having a central opening and slots in each end in vertical alinement with the slots of said groove, a gear wheel disposed in the groove of said body having a hub journaled in the opening of said cover, said hub having a central bore in register with an opening in the center of said body adapted to receive a center punch, parallel rack bars slidably mounted in the groove of said body on opposite sides of said gear wheel and in mesh therewith, said rack bars extending beyond the ends of said groove and having graduations along their upper sides, a thumb screw mounted in said cover for engagement with one of said rack bars for securing the same in adjusted position, and work engaging members slidably mounted on opposite ends of said rack bars having flanges extending parallel to the rack bars towards said body in alinement with the longitudinal center of said groove adapted to enter the slots in the ends of said cover and groove when said members are moved towards said body, said flanges having longitudinal extending fingers in a plane below the bottom of said body adapted to meet and cover the opening in the center of said body.

2,599,820
BOTTLE CAPPING MACHINE
Geoffrey Ewart Ford, Bow, London, England, assignor to Fords (Finsbury) Limited, London, England, a British company
Application October 22, 1949, Serial No. 122,968
In Great Britain June 12, 1948
11 Claims. (Cl. 226—85)



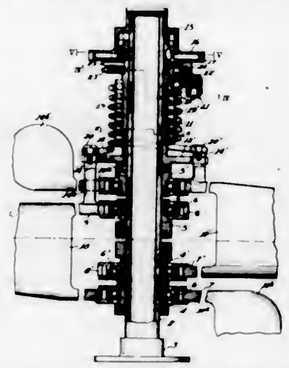
8. A bottle capping machine comprising means for guiding a strip of metal foil between a punch and a die, means for closing the punch and die together for blanking and forming a cap from the strip of metal foil, means for opening the punch and die, means for feeding the metal foil through the machine during the opening movement of the punch and die, a reciprocating shaft for actuating the die opening and closing means, a driving wheel for advancing the metal strip, a latching device coupled to said shaft which moves freely with respect to the wheel during the forward movement of the shaft and latches with an abutment before the punch and die are closed, a spring for advancing the latching device during forward movement of the shaft, a stop for limiting forward movement of the latch by the spring beyond the position in which it is latched with the abutment, further forward movement of the shaft to close the punch and die then taking place without further forward movement of the latch, said latch driving the abutment and wheel during the return movement of the shaft, two pairs of feed rollers for the foil arranged on opposite sides of the die and punch and coupled to the driving wheel, and means for driving the pair of feed rollers on the outlet side at a faster rate than the feed rollers on the inlet side, whereby the foil is maintained tensioned as it passes between the punch and die.

2,599,821
MULTISTEP PULLEY
Arthur Friedman, Cleveland, Ohio, and Louis Silber, deceased, late of Cleveland, Ohio, by Ruben Silber, administrator, Cleveland, Ohio, assignors to Air Controls, Inc., Cleveland, Ohio, a corporation of Ohio
Substituted for abandoned application Serial No. 643,067, January 24, 1946. This application November 28, 1951, Serial No. 258,592
7 Claims. (Cl. 74—230.17)



1. An adjustable pulley comprising in combination a drive shaft, a hub secured thereto, first and second pulley parts having confronting frustoconical surfaces to form a sheave, the first pulley part being secured to said hub, a compression spring for resiliently separating said pulley parts axially to widen the sheave, a radially extending drive pin secured to said hub and an annular ratchet formed in said second pulley part adapted to engage said drive pin and having an axial lift increasing along the periphery thereof, whereby the width of the sheave and effective diameter may be adjusted by relative rotation of said drive pin and said ratchet, said drive shaft being adapted to rotate in a given direction and said ratchet having teeth pointing in the opposite direction, whereby the adjustment is rendered self-locking when said drive shaft rotates in said given direction.

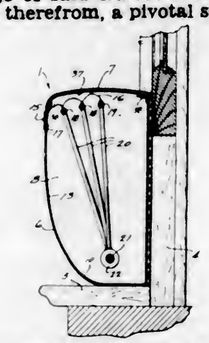
2,599,822
ROTOR HEAD FOR HELICOPTERS
Charles L. Gahagan, Greensburg, Pa.
Application October 11, 1947, Serial No. 779,312
6 Claims. (Cl. 170—135.25)



1. A rotor head for helicopters comprising a drive shaft, a plurality of separate radially extending hub elements on the shaft and rotatable through a limited arc about the shaft, means for limiting the free range of angular movement between the hub elements and the shaft, and springs operatively connected with the respective hub elements and the shaft for transmitting motion from the shaft to the hub elements, said springs enabling the hub elements to individually vary their positions relatively to the shaft and to each other, and means on the shaft for adjusting the springs, each spring being fixed at one end with said adjusting means and at its opposite end with the hub element with which it functions.

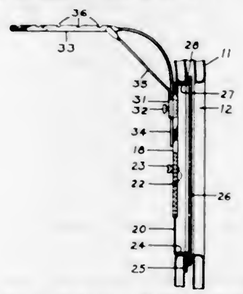
2,599,823
WINDOW VENTILATOR
Eugene O. Gillen, Milwaukee, Wis.
Application October 24, 1947, Serial No. 781,857
8 Claims. (Cl. 98—99.2)

1. A room ventilator of the class described, comprising a cabinet having an open side to be disposed adjacent a corresponding window opening to receive air from outside, and an open top for the discharge of the air from the cabinet into the room, a flexible expansible closure member to control the entry of air into the room extending the length of the cabinet inside thereof and adapted to be extended selectively across the open top thereof, means securing one edge of said closure member to the front wall of said cabinet and leaving the other edge free to move toward and away from the same, support members for the free edge of said closure member extending downwardly therefrom, a pivotal support for said



support members carried by the ends of the cabinet near the bottom thereof, and means to adjust the pivotal position of said support members to hold said closure member in adjusted position.

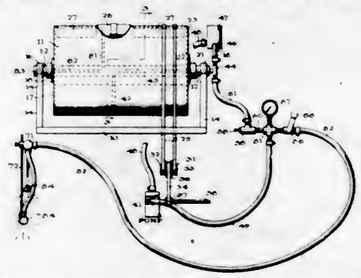
2,599,824
ADJUSTABLE CARRIER DEVICE
Charles S. Griffin, Memphis, Tenn.
Application December 11, 1948, Serial No. 64,767
3 Claims. (Cl. 211—87)



1. In a carrier device of the character described, an upright holder element comprising a vertical lower member having a laterally projected shoulder at its lower end to rest supportingly on the bottom horizontal edge of a window frame in the side wall of a motor vehicle body, with longitudinal retainer flange projected from said shoulder to engage the adjacent wall portion to hold the lower holder member in place and a vertical upper holder member releasably secured to said lower holder member in vertically adjustable relation thereto, said upper holder member having a stop shoulder at its upper end to abut the top horizontal edge of the window frame and a longitudinal flange projected from said stop shoulder to engage the adjacent wall portion to retain the holder element in place, and an item support having a vertical stem portion mounted supportedly vertically adjustable on said vertical upper holder member.

2,599,825
MIXING APPARATUS FOR INSECTICIDES
August W. Gustafson, Corpus Christi, Tex.
Application July 25, 1950, Serial No. 175,814
2 Claims. (Cl. 259—81)

1. In apparatus for mixing an insecticide with a liquid carrier and maintaining such materials in an intermingled state during distribution, a horizontally disposed cylindrical shaped drum having an opening in the periphery for receiving an insecticide material and a liquid carrier therefor, means for closing and sealing said opening, end walls for the drum, a horizontally disposed stationary shaft extending through said drum and said end walls, a bearing attached to each end wall surrounding the shaft supporting the drum for rotation about the shaft, a paddle carried by the inner periphery of the drum projecting generally radially inward therefrom and extending axially of the drum from a point adjacent one end wall and terminating short of the center of the drum, a second paddle carried by the inner periphery of the drum projecting generally radially inward therefrom and extend-



ing from a point adjacent the other end wall and terminating short of the center of the drum, said shaft having open ends outside said bearings, a withdrawal pipe extending into said hollow shaft through one open end thereof including a portion extending vertically downward from a central portion of the hollow shaft between the paths of adjacent ends of said paddles and terminating adjacent the inner periphery of the drum, an air admitting pipe extending into said hollow shaft through the other open end thereof including a portion extending vertically upward from the shaft between the paths of adjacent ends of said paddles and terminating at its free end adjacent the inner periphery of the drum, means for rotating the drum, and means for withdrawing the mixed liquid through said withdrawal pipe.

2,599,826
REINFORCED FRICTION FACING
Ralph T. Halstead, Charles L. E. de Gaugue, and Frank Lombardy, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 6, 1946, Serial No. 714,630
6 Claims. (Cl. 192—107)

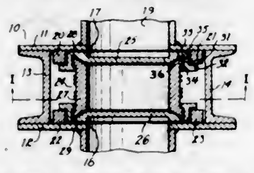


1. A friction facing comprising an annular body of a hardened friction compound and annular rings of knitted metal fabric embedded therein and forming a reinforcing body distributed substantially throughout the compound and substantially exposed on the opposite faces thereof.

2,599,827
DEFOLIATION OF GROWING PLANTS
Theodore R. Hansberry, Modesto, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 1, 1950, Serial No. 159,387
8 Claims. (Cl. 71—2.3)

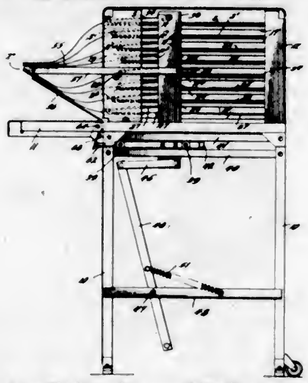
1. A method of defoliating cotton plants which includes the step of applying to the leaves of said plants a composition comprising a solution of pentachlorophenol and an oil-soluble emulsifier in a mineral spray oil, said compositions being applied in an amount of between about 0.5 and about 4 pounds of pentachlorophenol per acre.

2,599,828
VALVE
Paul R. Hay, Pittsburgh, Pa.
Application April 5, 1948, Serial No. 18,890
5 Claims. (Cl. 251—64)



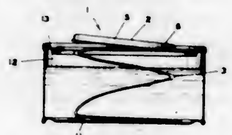
1. In a valve, a housing having an opening therein, a valve member movable in the housing, the valve member including an expansible and contractible ring and a disc axially thereof adjacent the housing, a pair of axially spaced cam surfaces on said ring, a pair of axially spaced cam surfaces on said disc respectively for cooperation with one of said ring cam surfaces to provide two sets of cooperating cam surfaces for moving said disc in opposite axial directions relative to said ring, and means for positively expanding and contracting said ring to thereby render said sets of cam surfaces operable to move said disc in opposite directions.

2,599,829
COLLATOR
Nils G. Hernblad, Long Island City, N. Y., assignor to American Type Founders, Inc., a corporation of New Jersey
Application April 18, 1947, Serial No. 742,328
12 Claims. (Cl. 270—58)



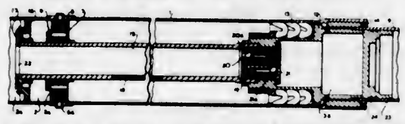
12. In a collator, in combination, means for supporting a series of piles of paper in superposed relation, the uppermost piles of the series constituting a group and the remaining piles a lower group, and mechanism for simultaneously feeding sheets from said piles and bringing the leading edges thereof to a single station to be grasped, said mechanism including means disposed intermediate said groups of supports for limiting downward movement of the sheets of the upper group and a separate means for elevating the leading ends of the sheets of the lower group.

2,599,830
PAINT DISPENSING TRAY
Paul L. Hexter, Cleveland, Ohio, assignor to The Arco Company, Cleveland, Ohio, a corporation of Ohio
Application May 4, 1948, Serial No. 25,029
1 Claim. (Cl. 222—403)



In a paint dispensing tray adapted to be received within a paint container having an opening at its upper end and a quantity of paint therein, the combination comprising: a tray having a short upstanding peripheral rim shaped in the form of an inverted U to provide a downwardly opening recess within said rim, and a rolled bead forming the circumferential edge of said rim; a resilient support member substantially helically coiled on a diameter approximately equal to, but no greater than, that of said tray and the diameter of the coils of said support member progressively decreasing from bottom to top an amount between successive coils approximately equal to at least twice the diameter of the stock from which said support is made, said support having an upper and a lower end; said upper end of said support member being received into said recess and retained therein by at least one crimp; the last coil of said lower end of said support member formed in a flat horizontal plane for providing a base for said support member; said tray being normally above the opening in said paint container and being depressible against said resilient member to a position below the surface of said paint through a major part of the possible range of depths of said paint within said container.

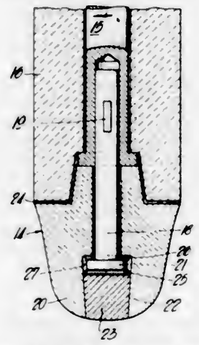
2,599,831
SHOCK ABSORBER
Robert George Hoare, Warrington, England, assignor to Electro-Hydraulics Limited, Warrington, England, a company of Great Britain
Application October 11, 1948, Serial No. 53,833
In Great Britain October 16, 1947
11 Claims. (Cl. 267—64)



1. In a shock absorber, means providing a first chamber for containing fluid medium; a load transmitting member mounted for movement in said first chamber for varying the volume thereof effective for containing the fluid

medium; means defining a second chamber for containing fluid medium; resilient means in said second chamber capable of yielding to load pressure and exerting a resultant counter-acting restorative force; orifice means providing for flow of the fluid medium from said first chamber to said second chamber; means defining a third chamber; resilient means in said third chamber capable of yielding to load pressure and exerting a resultant counter-acting restorative force; and means including a passage directly connecting said second chamber and said third chamber for enabling flow of fluid medium from said second chamber to said third chamber in response to attainment of a predetermined pressure in said second chamber.

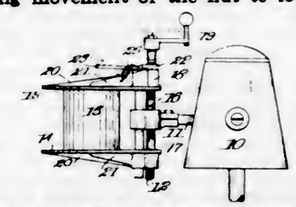
2,599,832
STOPPER HEAD FOR LADLES
Abram L. Hodge, Buffalo, N. Y., assignor to United States Steel Company, a corporation of New Jersey
Application September 22, 1949, Serial No. 117,131
2 Claims. (Cl. 22—85)



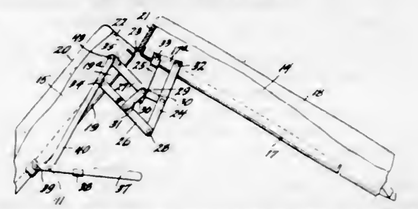
1. In a stopper head for ladles which includes a head pin of low carbon steel adapted to be fixed to a stopper rod and having a flange at its lower end, a plug of graphite composition carried by said head pin and having a counter-bore at its lower end of appreciably greater depth than the thickness of said flange receiving said flange, and a filling of graphite composition in said counter-bore, means insulating said flange from the adjacent parts that contain graphite and thereby minimizing heat conduction to said flange and carburization of said flange comprising a disc of substantially carbon-free refractory insulating material separating the lower face of said flange from said filling and a washer of substantially carbon-free refractory insulating material separating the upper face of said flange from said plug, there being an air gap between the circumference of said flange and said plug, said insulating material being capable of withstanding temperatures up to about 2600° F.

2,599,833
SAFETY LOCK FOR THE CLAMPS OF MIXING MACHINES
Evar A. Holmlund, Jamestown, N. Y.
Application November 30, 1950, Serial No. 198,388
7 Claims. (Cl. 259—72)

1. In combination with can-holder means of a shaker having relatively movable plates and an operating screw therefor, a nut threaded on said screw in position to bind against one of said plates, a detent means on the said one plate, means on the nut disposable behind the detent means in the unlocked position with the detent thus positively intercepting and preventing threading movement of the nut to locked position, and the bore of said nut having clearance at its threads permitting rocking of the nut axially with respect to the screw to and from positions in positive detention and disengagement with said detent means.

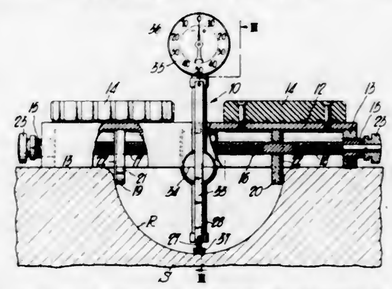


2,599,834
HINGE MECHANISM
Meri C. Jenkins, Lakeland, Fla., assignor to Lodwick Aircraft Industries, Inc., Lakeland, Fla., a corporation of Florida
Application December 9, 1949, Serial No. 132,036
7 Claims. (Cl. 16—164)



1. Hinge mechanism comprising two connected sets of links, said sets being angularly disposed to each other, each said set comprising a long link, a parallel short link, a first cross link connecting the outer ends of said long and short links, and a second cross link connecting the inner end of said short link to a midpoint of said long link, the inner ends of said long links being pivoted together, and the inner ends of said short links being pivoted together.

2,599,835
DIMENSIONAL TOLERANCE GAUGE
Ernest E. Johnson, McKeesport, and Harry A. Siefen, Dravosburg, Pa.
Application February 15, 1949, Serial No. 76,452
8 Claims. (Cl. 33—172)



1. A gauge which measures variations in the radius of concave surfaces whose cross section is

approximately an arc of a circle of known nominal radius comprising an elongated body adapted to bridge the concave surface, a gauge arm composed of inner and outer telescoping sections, means on said body mounting said gauge arm for pivotal movement on an axis fixed with respect to said body, a pair of positioning lugs both of which are adjustable along the length of said body on opposite sides of said axis but remaining equidistant from said axis; and engageable with the edges of the concave surface for positioning the gauge with said axis coinciding with the center of the arc of the surface, said gauge arm being adjustable as a unit radially with respect to said axis to fit the gauge to concave surfaces of various nominal radii, the inner telescoping section of said gauge arm having a free end adapted to traverse the concave surface for moving this section radially with respect to said axis in response to variations in the radius of the surface from the nominal radius, and means carried by the outer telescoping section of said gauge arm and connected to the inner telescoping section for indicating such radial movement.

2,599,836

SEPARATION OF SOLUTES BY CONTINUOUS SOLVENT EXTRACTION

John Dobney Andrew Johnson, Dorking, England, assignor to Beecham Research Laboratories Limited, Betchworth, Surrey, England, a company of Great Britain

Application November 18, 1949, Serial No. 128,167
In Great Britain November 29, 1948
6 Claims. (Cl. 260—705)

1. A process for the separation of batch-fed solute mixtures by continuous redistribution between solvents in a separating system, comprising a series of unitary zones each containing a mixing sub-zone in which uniform composition is obtained by mechanical agitation and a separating sub-zone in which separation is dependent upon the respective specific gravities of the separated components and which sub-zone is capable of containing only a small quantity of liquid in comparison with that contained in the mixing sub-zone, said sub-zones being distinct from one another, said process being characterized in that a batch of a mixture of solutes is introduced into the system, a first solvent is caused to flow continuously through the system, and a second solvent not completely miscible with the first solvent is introduced into the system, the contents of each mixing sub-zone being delivered to the separating sub-zone of the same unitary zone, the separated first solvent from each separating subzone being delivered separately from said mixing sub-zone contents to the mixing sub-zone of the next succeeding unitary zone, and the separated second solvent from each separating sub-zone being delivered separately from said mixing subzone contents and from said first solvent to a mixing sub-zone of a unitary zone preceding that to which the separated first solvent is delivered.

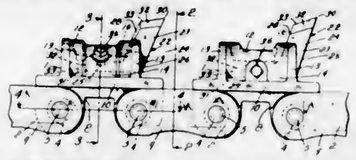
2,599,837

REVERSIBLE MINING CHAIN

Joseph F. Joy, Pittsburgh, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 19, 1949, Serial No. 77,417
1 Claim. (Cl. 262—33)

In a reversible cutter chain, a reversible chain block of symmetrical shape having a base and a lateral lug, said lateral lug having end enlargements providing a depression centrally between the ends of said lug, said enlargements having bit receiving sockets opening longitudinally therethrough for selectively receiving a cutter bit in either of the reversed positions of the bit with respect to said lug, a cutter bit receivagle selectively in said sockets of said lug enlargements and projecting forwardly and outwardly from the front end of said lug in either reversed position of the bit, and an adjustable securing element adjustably mounted on the central portion of said lug midway between the ends of the latter and engageable with said bit in either reversed position of the latter for securing said bit in cutting position on the block, said lug having a longitudinal opening within its central portion for joining



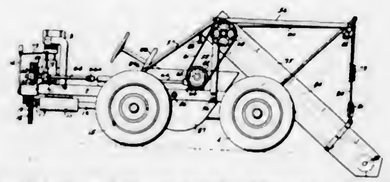
said sockets and said bit having a portion receivable in said longitudinal opening in either position of said bit and engageable by said securing element, said securing element having its outer portion lying within said depression between said lug enlargements whereby said adjustable element is protected by said lug enlargements against abrasion due to contact with the material being cut by the cutter chain irrespective of the direction of operation of the chain, said end enlargements of said lug having transverse portions of substantial lateral extent projecting laterally beyond the sides of said block-base and providing cuttings conveyor vanes which selectively serve to convey the cuttings created by the cutter bit during either direction of operation of the chain.

2,599,838

AUTO-LOADING SELF-PROPELLED DUMPING VEHICLE

Gustaf H. Kandoll, Grays River, Wash.

Application March 7, 1949, Serial No. 79,947
1 Claim. (Cl. 214—83.16)



A vehicle of the character described comprising in combination a chassis mounted upon traction wheels and steerable wheels, an engine mounted at the rear end of the chassis and operatively engageable with said traction wheels through power transmission means, a frame superimposed upon the chassis and extending forwardly therefrom, a conveyor frame mounted for pivotal and slidable movement at the inner end of said frame, the opposite end of the conveyor frame being disposed downwardly and forwardly with respect to said frame and yieldingly interconnected therewith, means attached to the conveyor frame for raising and lowering the same with respect to said chassis, an endless conveyor rotatably mounted within the conveyor frame and operatively connected with said engine for imparting selective rotation to said conveyor, a receptacle swingably mounted to said chassis and disposed beneath the

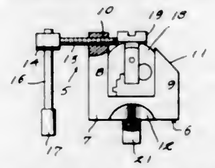
pivoted end of said conveyor frame and being overbalanced forward of its mounting to said chassis whereby a load carried by the receptacle will swing the receptacle into an unloading position, and means carried by the chassis for normally holding the receptacle in a loading position.

2,599,839

REAR SIGHT ADJUSTING DEVICE FOR PISTOLS

Frederick J. Kelfer, Jr., Fort Benning, Ga.

Application October 26, 1949, Serial No. 123,567
4 Claims. (Cl. 33—59)



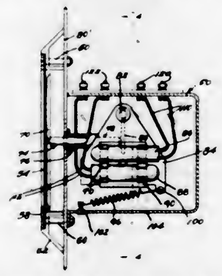
4. The combination with a pistol having a reciprocating slide and a transversely adjustable sight mounted thereon, of a sight adjusting device comprising a U-shaped frame having an intermediate portion and spaced upwardly extending side members defining parallel opposed walls, said frame engaging the retracted slide with the intermediate portion beneath the slide and the side members extending upwardly from the intermediate portion and straddling the slide, the opposed walls of the side members engaging the side walls of the slide, one of the side members extending to above the level of the other side member and to above the level of the upper surface of the slide, when the frame is applied thereto, and having a threaded bore extending transversely therethrough above the level of the upper end of said other side member, a feed screw threadedly engaging said bore and extending inwardly of the frame and engaging one end of the sight, said feed screw being advanced inwardly of the frame by rotation thereof in one direction for displacing the sight transversely of the slide toward the other side member of the frame.

2,599,840

STOKER FUEL SUPPLY SIGNAL SWITCH

Marvin E. Keele and Merle L. Noble, Blencoe, Iowa

Application April 2, 1949, Serial No. 85,196
1 Claim. (Cl. 200—52)



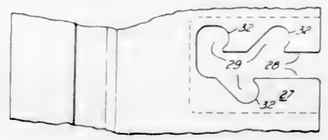
A coal bin fuel level indicating device comprising a hopper having a side wall with an opening therethrough, a sleeve mounted on said side wall, positioned around the opening and extended from the side wall, a box-like housing extended from the side of the side wall from which the sleeve extends and positioned around said sleeve, a circular spacing frame having a continuous beveled flange around the periphery and having an annular recess therein mounted on the face of the side wall opposite to that from which the sleeve extends and also positioned around the opening in the said wall, a resilient circular cover in said spacing frame and positioned with the edge thereof in the said recess, means securing the edge of the cover in the recess, an axle mounted in said box-like housing and positioned with the axis thereof above and in a plane perpendicular to the axis of said sleeve, a panel having a hub extended therefrom suspended from and swingably mounted through the hub thereof on said axle, an arm depending from the hub and secured at one edge thereof to said panel, said arm positioned transversely of an axis extended through said sleeve, a rod slidably mounted in the sleeve with one end extended to engage said arm and with the other extended into said spacing frame, a pressure plate carried by the end of the arm extended into the spacing frame, said pressure plate spaced from and positioned parallel to the said resilient circular cover whereby weight against the cover slides the rod through the sleeve and the rod actuates the panel, mercury tubes with spaced contacts in the ends thereof carried by the panel, said contacts of one tube being positioned in the end thereof opposite to the end in which the contacts of the other tube are positioned, and a spring attached to the panel and housing for urging the arm of the panel against the end of said rod.

2,599,841

MOLD FOR TIRES

Jan Herbert Farquharson Kent, Basingstoke, England, assignor of one-half to Auto Tyre Services Limited, Basingstoke, England, a company of Great Britain

Application December 23, 1946, Serial No. 717,829
In Great Britain October 9, 1945
1 Claim. (Cl. 18—18)

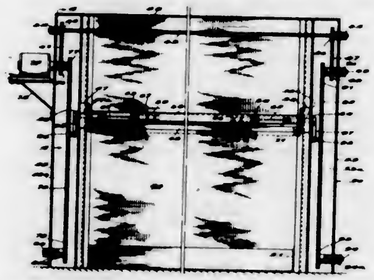


Apparatus for use in the application of tread to tires, comprising a mould; a rim device for supporting a tire and having a fixed flange and a mounting part which is flat in a direction parallel to the mould axis and arcuate circumferentially about said axis; an adjustable flange slidably carried by said mounting part so as to be capable of lateral adjustment thereon; and fixing means for securing the adjustable flange to said mounting part including a plurality of lateral slots in said mounting part extending substantially parallel to the mould axis and being formed with recesses in their sides at different distances from said fixed flange in a direction parallel to the mould axis, and a plurality of lugs respectively having studs removably positionable in selected recesses of said slots for maintaining said lugs and said adjustable flange in adjusted position with respect to said fixed flange.

2,599,842
APPARATUS FOR CLEANING FILTER SCREENS

James F. King, Jr., Winston-Salem, N. C., assignor to The Bahnson Company, Winston-Salem, N. C., a corporation of North Carolina

Application April 18, 1951, Serial No. 221,601
6 Claims. (Cl. 183—52)



1. Apparatus for stripping lint and like material from a flat filter screen through which air is adapted to be passed comprising a frame having said filter screen secured thereto, said frame including a pair of side members provided with longitudinally extending guides, a slide disposed in each guide, a wiper blade for the screen extending transversely of said frame, means supporting said blade on said slides for rocking movement about an axis extending longitudinally of the blade to bring the blade edge into or out of contact with the surface of said screen, a flexible drive at one side of said frame for said blade, said drive including a belt occupying a vertical plane extending transversely of the support axis for said blade and running on rotatable discs disposed respectively at opposite ends of said frame, a crank arm having one end thereof pivotally attached to a connection point on said belt, means for driving said belt and means interconnecting the other end of said crank arm with said blade supporting means such that the throw of the crank arm effected each time the pivoted end of the latter passes around one of said discs is converted into a rocking movement of said blade.

2,599,843
ROTARY PLANT CHOPPING ELEMENT

Iver Knutzen, Christiansfeld, Denmark

Application December 17, 1946, Serial No. 716,795
In Denmark January 26, 1939
1 Claim. (Cl. 97—213)

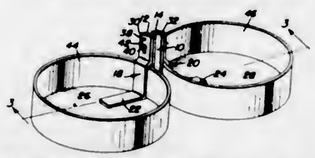


For use in thinning row crop seedlings and the like, a rotary element of the type to be rotated with edge penetration in a crop row about an axis overlying the row and aligned therewith, comprising: a discoidal body having a gap in its edge; a minor portion of said body at an end of said gap having an entering edge to slice into the earth and said row and sever the same from a portion of the row being left intact; said minor portion of said body adjacent the entering edge being forwardly canted and non-perpendicular to the axis of rotation and having at its edge a first series of vanes twisted to displace obliquely forward earth material from said row contiguous with and in advance of that being left intact as said body rotates and advances; a major portion of said body being substantially perpendicular to said axis of rotation from adjacent the following edge of said gap and having a second series of vanes on its periphery twisted to displace laterally from said row earth material as the body is simultaneously rotated and advanced; said second series of vanes being oppositely twisted relative said first series of vanes; whereby upon rotary and advancing movement of said body certain portions of a row of seedlings is cleanly separated and laterally displaced from certain intermediate portions which are left intact, said disc having a rigid hub thereon and said hub having an arm outstanding therefrom and carrying a screw to engage said non-perpendicular portion of the disc and support the same.

2,599,844
FEEDING TROUGH FOR HOGS AND THE LIKE

Lloyd M. Kounkel, Le Mars, Iowa, assignor of twenty-five per cent to Lawrence E. Ladenthin, Kingsley, Iowa, and twenty-five per cent to Herbert W. Greenwaldt, Le Mars, Iowa

Application July 14, 1950, Serial No. 173,926
6 Claims. (Cl. 119—61)



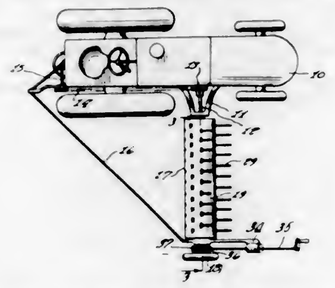
1. A feeding trough for hogs and the like, said trough comprising a U-shaped attaching bracket including a pair of leg portions and a web joining said leg portions, a substantially L-shaped member detachably secured to each leg portion of said bracket, means centering said L-shaped members on said leg portions, and a pair of pans held against said bracket by said L-shaped members.

2,599,845
SELF-CLEANING POWER-DRIVEN CYLINDER HARROW

George Kramer, Springfield, Oreg.

Application July 6, 1949, Serial No. 103,220
1 Claim. (Cl. 97—40)

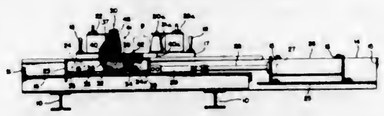
In combination, a tractor having a first bracket, a shaft journalled in said bracket, a main cylinder fixed to the shaft and adapted to be driven by the same, power take-off means connected to the shaft to drive the same, an arm adjustable upon the end of the shaft lying within the main cylinder, a stub shaft secured to the opposite end of said cylinder and having an arm fixed thereto, spike cylinder means rotatably connected between the arms and having spikes hinged to the said spike cylinder and extending therefrom, said main cylinder having openings for receiving said spikes and through which they may slide and may assume different angular positions, a ground supporting wheel journalled on the stub shaft and an arm extending from the tractor to the stub shaft supporting the latter, means for adjustably setting the spike cylinder within the outer cylinder comprising a gear keyed to the said stub shaft, a second bracket on the stub shaft supported by the said arm, an adjustment shaft journalled in said bracket and having a worm engageable with said gear, and a crank on said adjustment shaft to effect the adjustment of the spike cylinder in the main cylinder.



2,599,846
TURNING DEVICE

Edwin J. Kratzenberg, Chicago, Ill., assignor to United States Steel Company, a corporation of New Jersey

Application December 10, 1949, Serial No. 132,308
12 Claims. (Cl. 198—33)



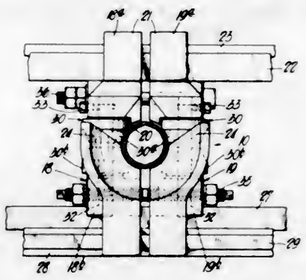
1. A turning device comprising a frame, a carriage movably supported on said frame, article receiving means supported on said carriage for rolling movement with respect thereto, stop means fixed with respect to said frame for limiting movement of said article receiving means, and connecting means between said article receiving means and said carriage for rolling said article receiving means when said carriage moves beyond the position at which said stop means limits movement of said article receiving means.

2,599,847
ENTRY GUIDE FOR SEAMLESS TUBE PLUG ROLLING MILLS

Andrew F. Kritscher, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey

Application February 9, 1950, Serial No. 143,250
6 Claims. (Cl. 80—51)

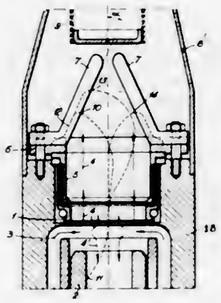
1. A rolling-mill guide comprising a pair of housings disposed side-by-side, each including a lower portion and an upper portion movable vertically relative to the lower portion, vertically movable means suspending the upper portions of the housings for movement independently of the lower portions, a vertical shaft in each housing, a roller on each shaft, said rollers together defining a pass adapted to receive and guide a tube entering the mill, each roller being composed of separate upper and lower portions, and means suspending the upper portion of each roller from the upper portion of its housing whereby said pass may be opened by upward movement of said upper housing portions.



2,599,848
SPARK ARRESTER FOR PRESSURE GAS SWITCHES

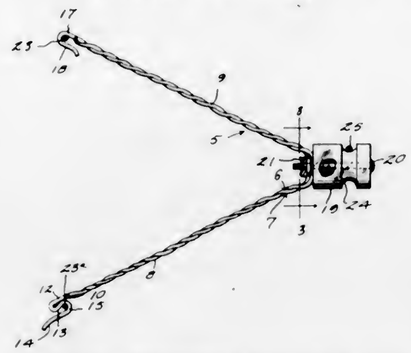
André Latour, Grenoble, France

Application January 23, 1947, Serial No. 723,725
In France May 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 30, 1962
4 Claims. (Cl. 200—148)



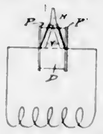
1. In an electric circuit breaker of the gas blast type, in combination, a hollow stationary contact member; a movable contact member adapted to make contact in one end position thereof with said stationary contact member and to be moved away from the same at one side thereof so as to form an electric arc between said contact members; a hollow conductive member arranged on the opposite side of said stationary contact member and electrically connected therewith; means for establishing a gas blast through said stationary contact member and said conductive member; and a pair of sparking electrodes arranged oppositely to each other in electrical contact with, and outside of, said conductive member and protruding into the paths of the gas blast, whereby the arc formed between said contact members is transferred with one root thereof from said stationary contact member over said conductive member to said sparking electrodes whereby the tendency of the arc to form a bulge in the space limited by said conductive member and said electrodes causes the transfer of the root alternately from one of said sparking electrodes to the other.

2,599,849
INSULATOR SUPPORTING BRACKET FOR ELECTRIC FENCES
Ernest J. Lenz, Varna, Ill.
Application March 18, 1949, Serial No. 82,119
6 Claims. (Cl. 174—160)



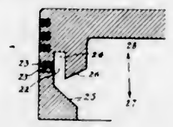
1. A readily demountable supporting bracket for use with wire fences comprising a substantially V-shaped bracket including an upper leg and a lower leg, said upper leg being provided with laterally spaced inwardly opening hooks adapted to engage one longitudinally extending strand of a wire fence, the other, lower leg of said bracket being provided with laterally spaced outwardly opening notches normally disposed to open downwardly and being adapted to engage another, lower longitudinally extending strand of the wire fence for supporting said bracket in outwardly projecting relationship to the plane of said strands, and means at the apex of the bracket for detachably supporting a strand of wire thereon and in offset relationship to the fence strands.

2,599,850
PROCESS OF CONTROLLING AND PLACING OF RADIO-FREQUENCY HEAT IN A DIELECTRIC
Julius W. Mann and George F. Russell, Tacoma, Wash.
Application May 27, 1947, Serial No. 750,836
5 Claims. (Cl. 219—47)



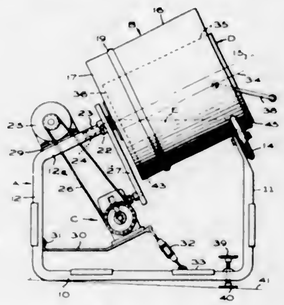
2. The herein described process of heating a dielectric material by a radio frequency field of force to a higher degree in the center of the material than at its sides which comprises: placing the material between the electrodes of a condenser in a radio circuit which includes inductance and capacity, producing a radio frequency energy wave, regulating the phase angle between the current and voltage curves of said wave so that they will be in phase sufficiently for creating two power distribution curves whose crests will substantially merge and whose overlapping portions will create a combined heating effect greater than the heat of each separate crest; whereby a peaked heating effect is created in the interior of the material, between the said power crests.

2,599,851
PROCESS FOR MOVING FLUID, PARTICULARLY FOR LUBRICATION OF INTERNAL-COMBUSTION ENGINE PISTONS
Raymond H. Marchal and Olivier Y. Durouchoux, Paris, France, assignors to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation, Paris, France, a company of France
Application February 16, 1948, Serial No. 8,622
In France July 24, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 24, 1961
1 Claim. (Cl. 309—7)



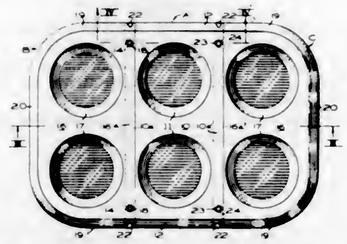
In a reciprocating piston which comprises a hollow body having a gas exposed top part and a cylindrical skirt provided with a circular groove in its outer surface and with a recess, within its wall, extending substantially parallel to the axis of said cylindrical skirt, the bottom of said recess being located between said groove and said top part of said piston, an oil scraping ring fitted in said groove, an oil conveying connection between said groove and an intermediate part of said recess, and a further oil conveying connection between the end of said recess remote from said top part and the hollow portion of said body, said last-mentioned connection having an inwardly directed deflecting wall opposite the bottom of said recess, said deflecting wall making an obtuse angle with the adjacent wall of said recess.

2,599,852
MORTAR MIXER AND TUMBLER
Harold L. McClain, Walnut Creek, Calif.
Application January 27, 1951, Serial No. 208,157
1 Claim. (Cl. 259—177)



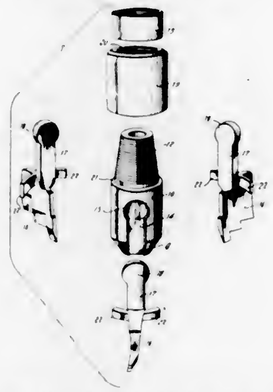
In combination: a drum mounted for rotation around an inclined axis; the drum including an inclined annular wall; an annular resilient ring extending around and fixed relative to the interior surface of the inclined drum wall; means for rotating the drum; and a mortar-carrying bucket removably disposed in the drum, and having its longitudinal axis substantially paralleling the inclined axis of the drum; the bucket having an inclined annular wall riding on the annular ring so that the bucket will be rotated when the drum and its resilient ring are turned.

2,599,853
MULTIPLE-UNIT MUFFIN PAN
Harold L. McClain and Dorothy J. McClain, Walnut Creek, Calif.
Application January 27, 1951, Serial No. 208,158
5 Claims. (Cl. 220—23.4)



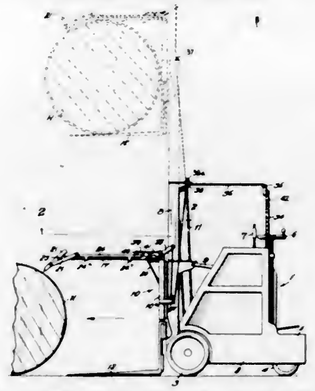
1. In a multiple-unit muffin pan: at least a pair of baking units defining muffin receptacles; each unit providing a top plate having marginal flanges depending therefrom; the top plate and flanges of one unit being telescoped and overlapped relative to the top plate and flanges, respectively, of the other unit; means for detachably anchoring the overlapped top plates together; and means removably interconnecting the overlapped flanges.

2,599,854
WELL-DRILLING BIT
Paul A. McMurdy and Oscar N. Donehoo, Houston, Tex.
Application December 10, 1949, Serial No. 132,326
7 Claims. (Cl. 255—61)



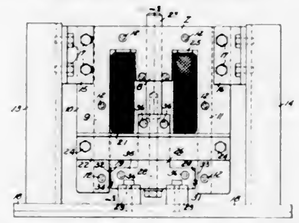
1. In a drill bit, a head comprising a cylindrical body having a chamfered lower end, the side wall of said head having therein a threaded pin on its upper end and a series of longitudinal circumferentially spaced grooves, each of said grooves having parallel walls terminating in a circular cavity, a series of blades projecting below said head, each having a shank shaped to conform to and lying in a respective groove of said head and having a circular prominence on its end lying in the circular cavity of said groove, said shanks each having oppositely directed and curved wings disposed in the chamfer of said head and a sleeve having a smooth bore embracing said head and engaging said shanks and wings collectively to hold said blades against lateral displacement in relation to said head.

2,599,855
LOAD-HANDLING ATTACHMENT FOR LIFT TRUCKS
William W. Michaux, Jr., Richmond, Va.
Application April 17, 1950, Serial No. 156,340
10 Claims. (Cl. 214—66)



1. The combination with the vertically movable slide and load-lifting fork of a lift truck, of a normally horizontal arm carried by said slide above said fork and having a latch at one end, a tine pivoted to said arm at the other end thereof, a bar slidable on said arm, a link pivoted at its ends to said tine and bar, respectively, whereby said bar is translated along said arm in response to pivoting of said tine, and means on said arm releasably engaging said latch when said tine extends downwardly and rearwardly toward said latch.

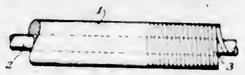
2,599,856
ELECTROMAGNET WITH REMOVABLE ARMATURE GUIDE OF HARD MATERIAL
Charles R. Mikolic and Geert D. Beling, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Application June 9, 1950, Serial No. 167,162
4 Claims. (Cl. 175—345)



1. An electromagnet comprising a core, an energizing coil for said core, an armature movable in response to energization of said coil, guideways in said core for guiding the movement of said armature, said armature being composed of laminations provided with indentations, said indentations being aligned to form two grooves on the sides of said armature adjacent said guideways, round bars of hard, nonmagnetic material loosely inserted in said grooves in rolling contact with said guideways to provide line contact wearing surfaces for said armature during said movement, the cross sectional configuration of said grooves being substantially that of a segment of a circle greater than a semicircle, said sides

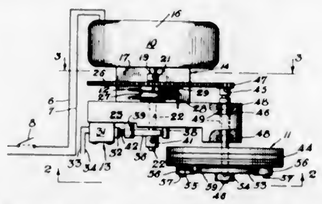
of said armature forming the chord of said circle, and means secured over the ends of said grooves for preventing movement of said bars longitudinally of said grooves, said bars being free to rotate to thereby provide varying wearing surfaces for said armature and to provide non-magnetic spacers between said armature and said guideways.

2,599,857
METHOD OF MANUFACTURE OF INSULATION FOR COAXIAL CABLES
Raymond Charles Mildner, Oxhey, England, assignor to Telegraph Construction and Maintenance Company Limited, London, England, a company of Great Britain
Application January 13, 1947, Serial No. 721,843
In Great Britain January 18, 1946
4 Claims. (Cl. 18—47.5)



1. A method for the manufacture of insulation material for use in an electric cable including inner and outer conductors and an interposed helix of solid insulation; said method comprising extruding upon a former of predetermined size substantially the same as the size of the inner conductor to which the material is to be applied a layer of dielectric material of sufficient inherent rigidity to provide, when formed as a short pitch helix and subsequently extended, effective mechanical connection of the inner and outer conductors, helically cutting the dielectric material of said layer into a short pitch helix of solid insulation having a prescribed internal dimension corresponding to the external dimension of the inner conductor, and extending said short pitch helix.

2,599,858
TIMER
Alonzo W. Noon, San Diego, Calif., assignor of one-third to Asa H. Rix and one-third to Roy A. Noon, both of San Diego, Calif.
Application September 26, 1950, Serial No. 186,718
7 Claims. (Cl. 161—1)



1. In a device of the class described, an element to be controlled, a movable element to actuate said element to be controlled, said movable element being movable between limits, first force-exerting means continuously exerting a force on said movable element to displace it to actuate said element to be controlled, second electrically energized force-exerting means normally energized and exerting a force on said movable element sufficient to prevent its displacement by said first force-exerting means and also sufficient to return said movable element to its initial position against the opposing force of said first force-exerting means, retarding means comprising a mass to retard by its own inertia the speed of displacement of said movable element, and means to connect said retarding means to said movable element upon its displacement by said first force-exerting means only.

2,599,859
PAPER HOLDER FOR MAKING PHOTOGRAPHIC ENLARGEMENTS
Leon L. Ogg, Creston, Iowa, assignor of one-third to John A. Loudon and one-third to Paul A. Luddington, both of Creston, Iowa
Application January 19, 1951, Serial No. 206,804
8 Claims. (Cl. 88—24)

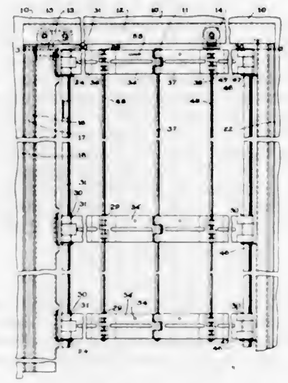


1. A paper holder and locator comprising a body portion including an opaque top wall constituting a paper supporting surface provided with a plurality of locator pin receiving openings, a plurality of locator pins disposed in said body portion each arranged for vertical reciprocating movement through a locator pin receiving opening, a spring for supporting each locator pin including an end anchored to a part of the body portion and a free end connected to the locator pin and normally urging the pin upwardly to a projected position with an end of the pin disposed above the paper supporting surface, a flat lid formed of a transparent material hinged along one edge thereof to one edge of the body portion for swinging movement between a closed position against the paper supporting surface and an open position out of engagement therewith, said lid retaining the pins in retracted positions beneath the paper supporting surface when in a closed position and permitting the pins to assume elevated, paper locating projected positions above the paper supporting surface when the lid is raised, said pins being formed of translucent material, a self-contained electrical illuminating means disposed in the body portion beneath the opaque paper supporting surface for illuminating the pins, and a switch interposed in the electric circuit of the illuminating means including a movable contact carried by one of the pin supporting springs for deenergizing the electric circuit when said spring and the pin carried thereby is displaced downwardly by movement of the lid to a closed position and for automatically energizing the circuit when the lid is elevated and said spring moves its pin to a projected position.

2,599,860
FOLDABLE CLOSURE
Marvin J. Planeaux, New Castle, Ind., assignor to New Castle Products, Inc., New Castle, Ind., a corporation of Indiana
Application December 16, 1950, Serial No. 201,197
5 Claims. (Cl. 160—84)

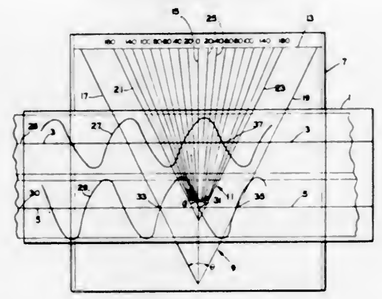
1. In a closure supporting mechanism, a pair of lazy tongs structures, one at the top and the other at the bottom of the closure, means to support the top lazy tongs structure at its ends and

at an intermediate position, a plurality of connected plates included in each of said structures, pintles for the end of the plates of each lazy



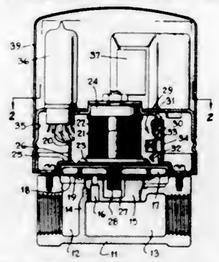
tongs structure extending vertically of the closure and rigidly attached as by welding to plates of the lower lazy tongs and to corresponding superimposed plates of the top lazy tongs.

2,599,861
APPARATUS FOR MEASURING PHASE DIFFERENCE OF PERIODIC WAVES
Harmon A. Poole, Jr., Litchfield, Conn., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 28, 1950, Serial No. 176,432
12 Claims. (Cl. 33—1)



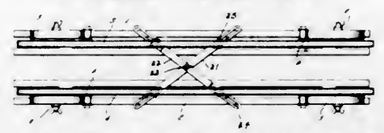
1. In a device of the kind described for determining the relative phases of a pair of periodic waves recorded about spaced parallel null lines, a reference member having a reference line adapted to be positioned in registry with the null line of one of the waves, a slide member slidable perpendicularly to said reference line relative to said reference member and having thereon a pair of lines disposed at a predetermined angle to one another and having a series of lines converging at a point, one of said members having a center line disposed to bisect said angle and to pass through said point, and said point being spaced along said center line from the apex of said angle a distance equal to the distance between the null lines of the recorded periodic waves.

2,599,862
WATERING SYSTEM
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application August 3, 1946, Serial No. 688,379
7 Claims. (Cl. 299—25)



1. In a system for watering ground: a valve for controlling supply of water to said ground, electrical means for operating said valve, timer means for periodically supplying energy to said electrical means so as normally to effect opening of the valve, and means responsive to the humidity of the ground for so influencing said electrical means that the same is ineffective to initiate opening of the valve in the event that the ground is damp.

2,599,863
STRETCHER SUPPORT
Wilhelm Frans Riemvis, Dongen, Netherlands
Application November 30, 1948, Serial No. 62,676
In the Netherlands December 16, 1947
2 Claims. (Cl. 248—167)

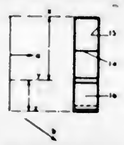


2. A stretcher support comprising a pair of parallel longitudinal upper members adapted to support the legs of a stretcher, a pair of parallel lower members, spring means interconnecting said upper and lower members at each side of said stretcher support, angularly adjustable and lockable arms comprising two crossed members pivotally connected to one another midway the length thereof and at the point of intersection thereof, the ends of each said member having longitudinal slots therein, adjustable securing means inserted through said slots and adjustably and pivotally fixing the ends of said members to said lower members at spaced points thereon, said arms being adapted for varying the distance between said lower members upon angular adjustment thereof, said lower members upon adjustment thereof adjustably spacing said upper members spring connected thereto.

2,599,864
WAVE FRONT MODIFYING WAVE GUIDE SYSTEM
Robert Bruce Robertson-Shersby-Harvie, Malvern, and Richard G. Garfitt, Sale, England
Application July 31, 1947, Serial No. 765,104
In Great Britain June 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 20, 1965
5 Claims. (Cl. 250—33.63)

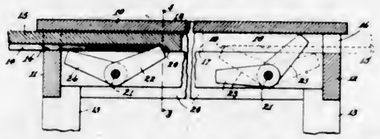
1. An ultra high frequency antenna system for producing a radiation pattern having asym-

metrical characteristics in a chosen plane comprising a principal field modifying means having a hollow surface producing a symmetrical radiation pattern in the chosen plane and at least one secondary field modifying means having a



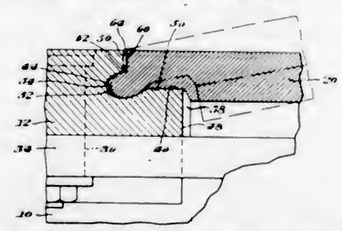
symmetrical radiation pattern in said plane, said individual symmetrical patterns combining to form a desired asymmetrical pattern in said plane and an electric lens positioned in the path of energy projected from said principal field modifying means.

2,599,865
STOP MECHANISM FOR SLIDING ELEMENTS OF FURNITURE
Edward G. Rudman, Nashua, N. H.
Application April 13, 1950, Serial No. 155,725
3 Claims. (Cl. 211—1.3)



1. An article of furniture including a body portion and a sliding element adapted to be extended from said body portion, said sliding element having a groove in the under face thereof and extending longitudinally in the direction of movement of said element, said groove terminating short of the end of said sliding element forming a stop shoulder, a dog pivotally mounted beneath said groove and an arm rigidly connected to said dog and having an end engageable with said slide laterally of said groove to move said dog with said groove in the path of said shoulder.

2,599,866
JOINT
George J. Scherba, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application May 16, 1946, Serial No. 670,214
2 Claims. (Cl. 189—36)



1. A joint between two members comprising an arcuate lip extending along the abutting end of one of said members, a portion on said first named member merging with one end of said lip and extending away from the abutting end, a portion on said first named member merging with the other end of said lip and extending substantially parallel to the end of said lip, the other of said members having a complementary arcuate undercut groove extending along its abutting end for snugly receiving said lip, said groove having a size and shape substantially the same as that of the lip over a substantial portion of its surface, a portion on the second of said members merging with said arcuate groove and engaging the first named portion on said first named plate, a portion on said second named plate merging with the other end of said groove and extending substantially parallel to the second portion on said first named member with a space therebetween, and a key in said space preventing relative tilting movement between said members to prevent disengagement thereof.

2,599,867
DESIZING AGENTS AND DESIZING BATHS
Eduard Schubert, Munchenstein, near Basel, Switzerland, assignor to Schweizerische Ferment A. G., Basel, Switzerland, a Swiss company
No Drawing. Application December 6, 1949, Serial No. 131,494. In Switzerland June 11, 1949
9 Claims. (Cl. 195—2)

1. A desizing agent comprising an effective desizing amount of amylase, about 50% of common salt and about 20–25% of calcium sulphate.

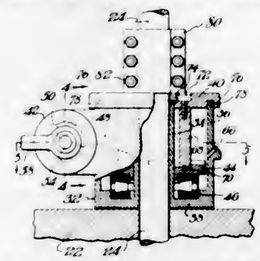
2,599,868
EXTENSIBLE CONCEALED DIPPER BLADE FOR SNUFFBOX COVERS
La Verne L. Schuh, Rockford, Ill.
Application April 11, 1949, Serial No. 86,780
2 Claims. (Cl. 222—417)



1. A substantially circular cover for snuff boxes and the like having a depending annular flange in which a narrow elongated slot is provided in the plane of the underside of said cover, said cover having an elongated slot provided therein diametrically thereof and directed toward the slot in the flange, and a thin, flat elongated dipper blade slidably guided at its one end in said first slot and having a fastener on the other end projecting through and guided in the second slot provided in said cover for manual operation of the fastener as a knob from the top of said cover, said blade being adapted to be moved by means of said fastener on the top of said cover endwise from a retracted position disposed substantially wholly beneath the cover to an extended position, the second slot limiting retracting movement of the blade so that its end portion remains engaged in the first slot in the flange where the end portion of the blade is adapted to be frictionally engaged by the top edge of the snuff box to hold the blade in retracted position.

2,599,869
POLISH ROD HANGER
Calvin W. Shelton, Borger, Tex., assignor to J. M. Huber Corporation, Locust, N. J., a corporation of New Jersey
Application October 17, 1950, Serial No. 190,525
10 Claims. (Cl. 255—14)

1. A polish rod hanger and rotator, adapted to support a polish rod and to impart a reciprocating motion and an intermittent rotating motion to the polish rod, which comprises a vertically reciprocating hanger bar slidably mounted on the polish rod; a closed substantially annular casing slidably mounted on the polish rod above the hanger bar and supported by the hanger bar, which casing comprises an inner cylindrical side wall having an internal diameter slightly larger than the diameter of the polish rod, an outer substantially cylindrical side wall spaced laterally from the inner side wall, an annular bottom wall at the lower end of the side walls completely closing the lower end of the nnular space be-



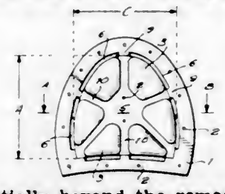
tween the side walls, an annular cover plate rotatably mounted over the side walls and covering the upper end of the space between the side walls; a ratchet turntable rotatably mounted within the casing between the side walls; means between the side walls firmly securing the cover plate to the ratchet turntable for rota[illegible] therewith; a ratchet actuating pawl mounted in the casing; pawl actuating means outside of the casing operatively connected to the ratchet actuating pawl; and a clamp firmly secured to the polish rod above the cover plate and normally supported by and only frictionally engaging the upper surface of the cover plate.

2,599,870
RAPID CURING AND LOW-PRESSURE PHENOL-FORMALDEHYDE RESINS
Arie Anton Johannes Sigtermans, The Hague, Netherlands, assignor to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek ten behoeve van Nijverheid, Handel en Verkeer, The Hague, Netherlands, a corporation of Holland
No Drawing. Application June 15, 1949, Serial No. 99,363. In the Netherlands June 26, 1948
6 Claims. (Cl. 154—43)

3. Process of producing a rapid curing, low pressure phenol-formaldehyde resin which comprises reacting phenol and formaldehyde in stoichiometric proportions to form the phenol-formaldehyde resin, and adding to said resin about 15–25% by weight of said resin of a hardening agent consisting essentially of about 2–1 parts by weight of resorcinol and about 1–2 parts by weight of selenium dioxide.

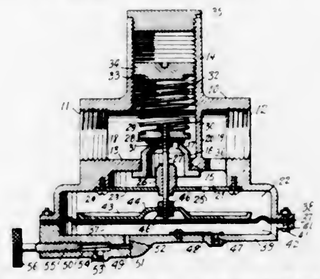
2,599,871
SHOE HEEL WITH ELASTIC CHAMBERS
Vavřín Šlampa, Karel Čepelák, and František Vrága, Brunn, Czechoslovakia
Application June 22, 1949, Serial No. 100,695
2 Claims. (Cl. 36—35)

1. A shoe heel having in its bottom face at least one groove extending substantially parallel to the perimeter of the heel spaced therefrom so as to form a narrow rim portion and a central portion, said central portion having a plurality of projecting bulges arranged in a continuous closed row so as to form a projecting ring adjacent to said rim portion, each of said bulges being formed with an inner cavity and protrud-



ing substantially beyond the remainder of said central portion and beyond said rim portion so as to protect the same from being worn; and means in said rim portion for securing the heel to a shoe.

2,599,872
VALVE
John C. Slonneger, Dallas, Tex., assignor to The Continental Supply Company, Dallas, Tex., a corporation of Delaware
Application December 7, 1945, Serial No. 633,367
1 Claim. (Cl. 137—153)

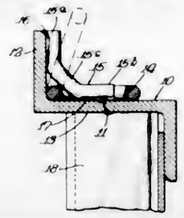


The combination with a pressure fluid regulator having a regulator case with a flow passage therethrough provided with a seat, a valve engaging said seat, a spring in the case engaging said valve for closing it, a diaphragm connected with the valve for operating same, one side of said diaphragm being exposed to the flow passage, the opposite side of the diaphragm being enclosed by a cover plate, of a check valve means communicating with the cover plate enclosed side of the diaphragm for admitting fluid to that side of the diaphragm, a fluid outlet in the cover plate, and means for controlling the escape of fluid through said fluid outlet, the check valve means and the fluid outlet being exposed to a source of fluid other than that flowing through the regulator flow passage.

2,599,873
LADING STRAP FASTENING MEANS
Edward Payson Smith, Winnetka, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1950, Serial No. 147,206
3 Claims. (Cl. 105—369)

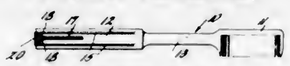
1. Lading strap fastening means comprising the combination of angularly disposed portions of an open-top car side walls, whereby a socket is provided; a bent holding strap whose ends extend parallel with the respective angularly disposed car wall portions and are immovably secured thereto while the intermediate portion of said strap spans said socket and provides a closure for

the socket; and a link loosely seated in said socket, in straddling relation with said holding



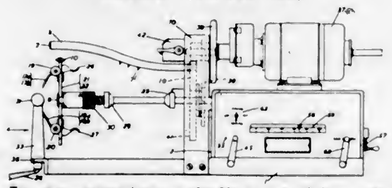
strap, and arranged to extend flush with one of the car wall portions when not in operative position.

2,599,874
HAIR CURLER
Henry Paul Richard Sommers, Wellesley Hills, Mass.
Application June 21, 1949, Serial No. 100,460
4 Claims. (Cl. 132—33)



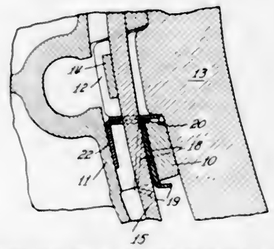
2. A hair curling implement comprising an elongated rod about which a strand of hair may be wound to form a curl, said rod being hollow for a considerable distance inwardly from one end thereof, comb-like retaining means for a hank of hair to be curled, said retaining means comprising at least three resilient, parallel, closely-spaced teeth secured together and fixed within the hollow interior of said rod at their inner ends, and having their outer ends free of contact with each other and with the rod, and openings in the walls of said hollow rod for entrance of the hair to be clamped between the teeth of said retaining means the several teeth serving to divide the hank of hair into a plurality of separately gripped sections.

2,599,875
ARMATURE WINDING MACHINE
Cyril Peter Starfield, Dukinfield, England, assignor to The Midland Dynamo Company Limited, Leicester, England
Application February 7, 1947, Serial No. 727,103
In Great Britain January 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 17, 1966
7 Claims. (Cl. 242—13)



1. In an armature winding machine of the type in which the armature and a wire-feeder revolve relatively about an axis substantially normal to that of the armature, a guide head comprising in combination, a carrier, a manually rotatable main adjustment screw rotatably mounted on said carrier with said screw ends protruding and having a right hand thread on one end and a left hand thread on the other, a nut carried by each said end for adjustment of the spacing between the two nuts by rotation of the main screw, a manually-rotatable cross screw rotatably carried by each nut, each of which cross screws has protruding ends having a right hand thread on one end and a left hand thread on the other and said cross screws extending parallel to each other and being adjustable towards and away from one another by the aforementioned rotation of the main screw, a pair of inclined guides, one on each threaded end of one cross screw, for guiding the wire into a slot at one side of the armature, and an opposed pair of inclined guides, one on each threaded end of the other cross screw, for guiding the wire into a slot at the opposite side of the armature, which two pairs of guides are movable towards and away from each other by rotation of the main screw to adapt the head to armatures of different diameters and the guides of each pair being adjustable by rotation of their cross screws to adapt the head to armatures of differing lengths.

2,599,876
WEAR PLATE FOR BRAKE HEADS
Theodore J. Sweger and Malcolm S. Johnson, Chicago, Ill., assignors to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 2, 1950, Serial No. 165,691
1 Claim. (Cl. 188—243)



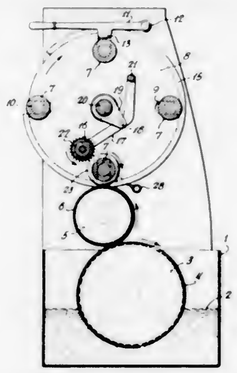
In combination with a brake shoe having an apertured lug and a brake head having a brake shoe carrying lug with a key-receiving passage and a shoe locking key, a brake head wear element comprising a pair of matching members formed of flat sheet steel and intimately secured together, each plate formed to provide laterally spaced lobes united at one longitudinal edge by a tie strip, the tie strip of one member being at the forward longitudinal edge of the member and provided with a resilient downwardly bent rearwardly sloping leg intermediate the forward and rear edges of the element, substantially parallel with the forward edge of said one member, of length corresponding with the vertical thickness of the shoe-carrying brake head lug and terminating in a forwardly disposed toe adapted to engage the lower face of the brake head shoe-carrying lug, while the tie strip of the other member is integral with the rear longitudinal edge of said other member and has a downwardly bent tongue at its rear edge, said leg and tongue being adapted to extend into the shoe key-receiving passage of said brake head shoe carrying lug, the leg of the first mentioned member being adapted to be flexed forwardly when the shoe key is driven into place and said toe forced forwardly beneath the head lug, thereby locking the wear element in place and holding said tongue of the second mentioned member in bearing relation with the rear wall of said key-receiving passage in the head lug whereby rotary movement of the element is prevented.

2,599,877
LEATHER PUNCH
Roland G. Sweet, Pleasanton, Calif., assignor to Alfred Roberts, Concord, Calif.
Application June 13, 1947, Serial No. 754,502
2 Claims. (Cl. 164—119)



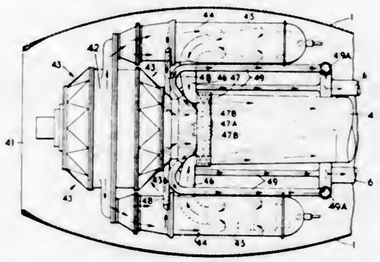
1. A leather punch of the character described consisting of an elongated flat bar provided with a series of transversely spaced notches in one end thereof forming a plurality of punching prongs at said bar end, said prongs being disposed in transversely spaced relationship relatively to said end of the bar and in transverse alignment, each of said prongs having outwardly converging sides forming a cutting edge at the outer end of the bar, each of said sides being disposed at an oblique angle relatively to the plane of the bar, the planes of said prongs and the planes of the cutting edges thereof all being disposed parallel to one another and at oblique angles to the plane of the bar, each of the prongs having two faces forming extensions of opposite sides of the bar.

2,599,878
TUBE AND METHOD OF MAKING THE SAME
Rudolph H. von Liedtke, Chicago, Ill., assignor, by mesne assignments, to McGraw Electric Company, a corporation of Delaware
Application September 4, 1945, Serial No. 614,355
1 Claim. (Cl. 92—66)



An article of manufacture comprising a tube formed of a plurality of layers of paper pulp pressed into firm contact with each other throughout their extent wound one upon another, said tube having succeeding layers pressed into the body of preceding layers at a multitude of spaced points to stitch the layers together, the points at which successive layers are stitched to the body of preceding layers being spaced both circumferentially and radially from each other, said tube being characterized by the fact that it is a compacted structure throughout its extent.

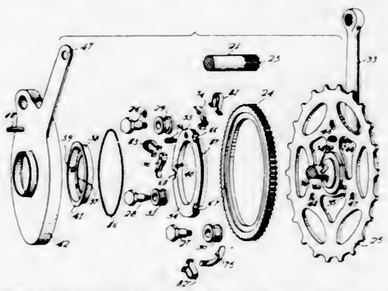
2,599,879
EXHAUST INDUCED COOLING SYSTEM FOR GAS TURBINES
Daniel Norman Walker, Ashby Parva, near Rugby, England, assignor to Power Jets (Research & Development) Limited, London, England
Application August 23, 1945, Serial No. 612,182
In Great Britain May 13, 1942
3 Claims. (Cl. 60—35.6)



1. An aircraft-gas turbine jet propulsion engine installation comprising a nacelle of aerodynamic shape, a gas turbine jet propulsion engine having a turbine driving a compressor arranged in tandem therewith and housed within the nacelle, structure defining a passage for the flow of coolant air from within the nacelle over portions of the engine structure between said compressor and turbine and over the face of the turbine rotor adjacent said compressor, ducting for collecting said coolant air from the turbine rotor face adjacent the rotor blades of said turbine and forming an outlet passage for such air, a circular cross-sectioned exhaust duct from said turbine constituting a jet pipe approximately coextensive rearwardly with said nacelle within which it is housed and a chamber formed by the wall of the nacelle and said pipe, said chamber being arranged to receive the coolant air from said outlet passage and to emit it through an egress so disposed in relation to said jet pipe as to form an ejector whereby such emission is promoted by the propulsive exhaust jet emerging from the pipe

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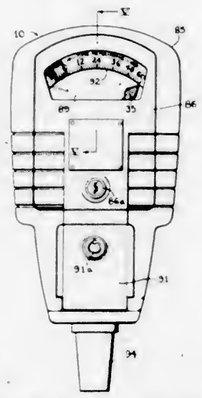
2,599,880
POWER TRANSMISSION MECHANISM
Merrideth D. Wilson, Patton Township, Allegheny County, Pa.
Application April 20, 1949, Serial No. 88,593
11 Claims. (Cl. 74—625)



1. In a transmission system, in combination, a driving shaft having a pinion thereon, a ring gear meshing with the pinion, a driven gear carrying a plurality of rollers on the face there-

of, said ring gear being rotatably mounted on the rollers to rotate in concentric relation to the driven gear, a second driving shaft, and wedge means secured to the second driving shaft and disposed for movement between the rollers and ring gear to thus rotatably fix the ring gear to the second driving shaft and the driven gear, whereby both driving shafts are operatively coupled to the driven shaft when the wedge means are actuated.

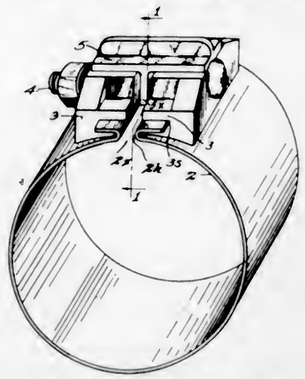
2,599,881
PARKING METER
William N. Woodruff, Cincinnati, Ohio, assignor to Herschede Hall Clock Company, a corporation of Ohio
Application May 5, 1949, Serial No. 91,453
7 Claims. (Cl. 161—15)



1. A time meter signal, comprising, in combination, indicator means, a support for the indicator means, pivotal means connecting said indicator means to the support for substantially rectilinear up and down movement relative to the same, means urging said indicator means to the up position, detent means for restraining said indicator means in the up position, spring means biasing said detent means to said restraining position, means for releasing said detent means and freeing the indicator means for downward movement, and spring means connected with the detent releasing means for biasing said indicator means to the down position and for biasing said releasing means against the release of said detent means.

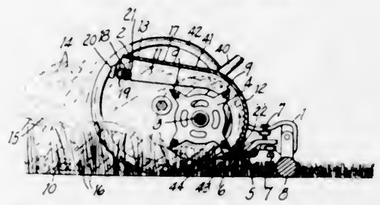
2,599,882
STABILIZED PIPE REPAIR CLAMP
Philip N. Adams, Compton, Calif.
Application January 16, 1950, Serial No. 138,900
2 Claims. (Cl. 24—19)

1. A pipe patch clamp of the kind set forth and including a sleeve longitudinally split along one side and having laterally spaced, oppositely directed draft hooks, one at each split-end of the band and tangential to the sleeve, draft blocks having longitudinal apertures in their inner faces into which said hooks fit and which blocks are provided with coplanar top faces, a clamp screw passing over said hooks and piercing said blocks transversely to the sleeve axis, a nut on the screw for relatively closing the blocks and thereby contracting the split sleeve, and a stabilizing member connected to the screw intermediately of the blocks and transversely bridging and sliding on



said top faces of the blocks to hold them in coplanar position while being drawn together.

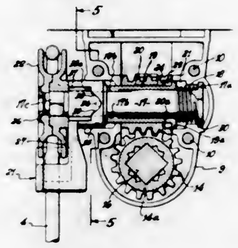
2,599,883
GRASS CLIPPING GUIDE FOR LAWN MOWERS
Irving E. Aske, Muskegon, Mich.
Application July 8, 1948, Serial No. 37,672
8 Claims. (Cl. 56—249)



1. The combination with a lawn mower including a cutting reel, a cutter bar, and a tie bar disposed above the plane of the cutting reel and forwardly thereof, of a clipping guide member comprising a rearwardly curved rear portion disposed closely adjacent to the reel to embrace a substantial portion of the reel blades above the cutter bar on their up stroke, and a rearwardly inclined top portion merging with and projecting forwardly tangentially of the rear portion and in overhanging relation to and extending forwardly substantially beyond the reel, the lower edge of the rear portion of the guide member being disposed closely adjacent the cutter bar and circular path of travel of the reel, the guide member progressively increasing in distance from said circular path, from said lower edge of the rear portion of the guide member to the forward edge of the top portion thereof, said guide member having side flanges provided with downwardly facing cross rod engaging notches at their forward ends, and lugs adjacent said notches, said lugs being provided with screws for clamping the guide member to the cross rod, said rod being provided with non-metallic padding for said guide member, resilient cushioning feet at the rear end of said guide member resting on said cutter bar, said side flanges being disposed to embrace the ends of the reel blades throughout a substantial portion of the upward movement of the reel blades, said guide member and side flanges being supportingly connected to each other to permit

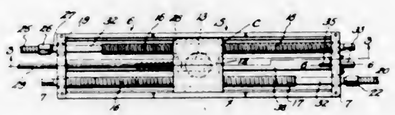
the same to be assembled as a unit to said frame cross rod and to be detached as a unit therefrom, said guide member coacting with said reel to direct and discharge the clippings cut and impelled by the reel forwardly upon the uncut grass in front of the mower whereby clippings of such length as to be supported by the uncut grass are again subjected to the cutting action of the reel as the mower is advanced.

2,599,884
VENETIAN BLIND TILTING MECHANISM
James C. Bennett, Inglewood, Calif., assignor to Anderson Die Casting & Engineering Corporation, Los Angeles, Calif., a corporation of California
Application August 21, 1950, Serial No. 180,597
10 Claims. (Cl. 160—176)



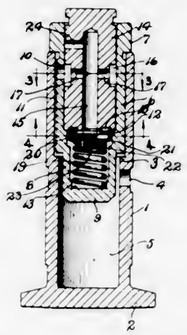
1. In a Venetian blind tilting mechanism, a shaft, a pulley fixed to the shaft, tilting means adapted to be operated by rotation of said shaft, means forming a releasable drive connection between the pulley and said tilting means including a rotary member for driving said tilting means, a clutch member splined on said shaft and supporting said rotary member in driving relation therewith, and means for moving said clutch member axially of the shaft out of driving relation with said rotary member.

2,599,885
AUTOMATIC SPEED-SYNCHRONIZING MECHANISM FOR TWIN ENGINES
William E. Benua, Columbus, Ohio
Application September 14, 1950, Serial No. 184,806
4 Claims. (Cl. 74—479)



1. Synchronizing apparatus of the character set forth, comprising: a casing, a pair of parallel longitudinally aligned and transversely spaced screw threaded shafts rotatably mounted in said casing, said shafts having oppositely disposed unthreaded ends arranged within said casing, means for rotating one of said shafts in accordance with the speed of operation of a first prime mover, means for rotating the second of said shafts in accordance with the speed of operation of a second prime mover, a carriage supported by said casing for linear movement in a guideway arranged parallel to said shafts, a toothed member mounted for rotation on said carriage about an axis substantially perpendicular to the longitudinal axes of said shafts and movable perpendicularly with respect to the axes of rotation of said shafts into and out of mesh with the threads of said shafts, said member having teeth meshing with thread grooves on said shafts, whereby a differential in the speed of rotation of said shafts imparts longitudinal movement to said carriage, registration of the toothed member with the unthreaded ends of said shafts serving to arrest movement of said carriage, means engaging said toothed member for moving the latter into and out of mesh with said shafts, and means actuated by longitudinal movement of the carriage for governing automatically the speed of operation of one of said shaft-rotating means.

2,599,886
HYDRAULIC TAPPET
Paul F. Bergmann, Muskegon Heights, Mich., assignor to Johnson Products, Inc., Muskegon Heights, Mich., a corporation of Michigan
Application March 10, 1947, Serial No. 733,580
2 Claims. (Cl. 123—90)



1. A tappet comprising, an elongated hollow cylindrical body closed at one end and having an opening through a side thereof, a cylinder extending into the open upper end of the body closed at its lower end above the closed lower end of the body providing a chamber within the body below the cylinder and having an opening through a side thereof toward its upper end, there being a vertical passage between said cylinder and the adjacent wall of the tappet body providing communication between said last mentioned opening and said chamber, said cylinder at its upper end portion having a head resting upon the upper end of the body and stopping the cylinder within the body at a predetermined position, a piston in the upper end of said cylinder extending downwardly therein, said cylinder and piston having inter-engaging means limiting the entrance of the piston into the cylinder to a predetermined lower position, said piston having an axial opening therein from its lower end extending toward but terminating short of the upper end of the piston, and said piston having a radial communicating passage joining with said axial opening and said piston having an annular groove around it in communication with the passage through the wall in the cylinder and radial passage in the piston, a valve across the lower end of the axial opening in the piston, a cage connected with said piston at its lower end and within which the valve is located, said cage having an opening at its lower side, a light strength spring means within said cage nor-

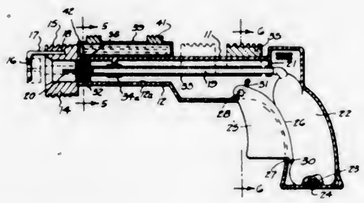
mally holding said valve in an upper closing position, and a heavier spring between said cage and the closed bottom of the cylinder.

2,599,887
REAMING TOOL
Victor E. Besse, Fort Worth, Tex.
Application November 29, 1948, Serial No. 62,460
1 Claim. (Cl. 77—58)



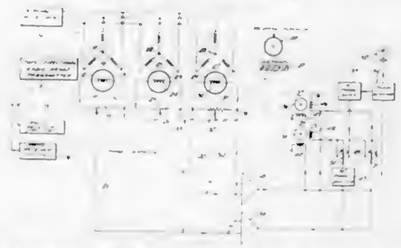
In a reaming tool for castings having aligned bores on opposite sides of a cavity, the said tool having a shaft formed with a stem on one end adapted to be engaged by the chuck of a lathe, in combination, a cutter tool adjustably arranged in said shaft near the end thereof opposite said stem and adapted to operate in the bore farthest from said stem, a guide member slidably arranged on said shaft adjacent to said cutter tool, a pair of spaced cutter tools adjustably secured through said shaft spaced from said first named cutter tool and adapted to operate in the opposite bore, another guide member arranged on said shaft between said first named guide and one of said last named cutter tools engageable with said opposite bore, a spring on said shaft tensioning said guide members against said tools adjacent thereto, and a guide member for centering said shaft in said opposite bore.

2,599,888
REPEATING TOY BUBBLE GUN
Weldon D. Beezley and Oliver V. Phillips, Denver, Colo.
Application March 28, 1946, Serial No. 657,851
7 Claims. (Cl. 46—8)



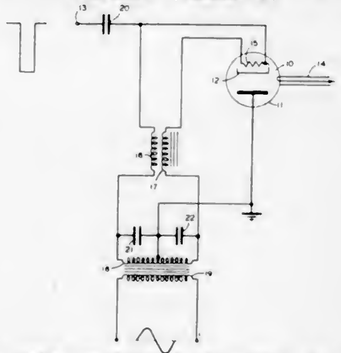
7. A toy gun including, an outer gun frame defining a gun barrel and a gun handle, an air eduction tube within the frame, a retaining member spaced from the outlet end of the tube for receiving and retaining a film of bubble-forming liquid, means for directing air under pressure through said tube and against the film on the retaining member to form and project a bubble from said member, a bubble forming liquid reservoir mounted on the gun frame and having a liquid outlet, movable means within the gun frame arranged to receive liquid from said reservoir, said movable means slidable outwardly of the gun frame into engagement with the retaining member for applying a liquid film to said member, said liquid reservoir comprising a seperate container, and co-acting means on said container and said frame for detachably mounting said container on the frame.

2,599,889
COMPUTER DEVICE FOR NAVIGATION SYSTEMS AND THE LIKE
John A. Biggs, Earl A. Heald, and Francis L. Moseley, Cedar Rapids, Iowa, assignors to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application September 16, 1947, Serial No. 774,304
10 Claims. (Cl. 235—61)



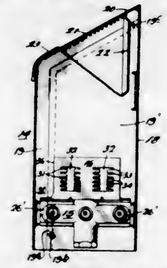
1. Apparatus for indicating the distance between a craft and a desired destination and for determining the bearing of the course line necessary to reach said destination, comprising, a radio beam transmitter whose distance to said destination is known and the bearing between the transmitter and said destination is also known, means to generate a first electrical voltage vector representing the distance betwen the craft and said transmitter and the bearing of the line between the craft and the transmitter, means to generate a second electrical voltage vector representing the distance between the transmitter and said destination and the bearing of the line between the transmitter and said destination, means for electrically adding said voltage vectors to produce a resultant voltage, means for automatically generating another electrical voltage vector, adjusting means for automatically varying said other electrical voltage vector until it is equal and opposite to said resultant, and means for automatically producing under control of said adjusting means an indication of the distance between the craft and its destination and the bearing of the line between the craft and its destination.

2,599,890
HIGH-VOLTAGE CHOKED FILAMENT FEED
Winston H. Bostick, West Medford, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 28, 1945, Serial No. 631,448
4 Claims. (Cl. 332—9)



1. A pulse modulated ultra-high frequency magnetron transmitter circuit comprising a magnetron oscillator having electrically connected cathode and heater elements and a grounded anode, a heater power source, a coupling capacitor connected to said cathode for applying negative voltage pulses to modulate said oscillator, inductance elements included in a circuit shunting said magnetron to discharge the residual charge in said circuit at the termination of the transmitted pulse of high frequency oscillations, and heater leads connecting said heater to said source including said inductance elements.

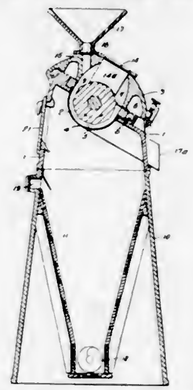
2,599,891
CONVECTOR CORE HANGER
Paul F. Brinen, Racine, Wis., assignor to Young Radiator, Racine, Wis., a corporation of Wisconsin
Application January 13, 1949, Serial No. 70,636
4 Claims. (Cl. 248—223)



3. A convector heat-exchange core hanger comprising, pairs of plates one pair of which is attachable to a convector cabinet and the other pair of which is attachable to a heat exchange core, each of the one pair of plates having a plurality of lugs arranged thereon in transverse rows, each of the other pair of plates being shaped with a pair of parallel sections extending in opposite directions from a transverse intermediate part one of which sections is formed with openings to fit over the tubes of a heat-exchange core, the other plate section of each pair having formed therein vertical elongated openings one for each row of lugs with a plurality of transverse slots on each side of the respective openings and communicating therewith to form opposed horizontally-supporting ledges normal to the respective openings and each ledge of a dimension not less than half the width of one of the lugs.

2,599,892
APPARATUS FOR REMOVING THE OUTER LAYERS FROM HARD KERNELED GRAINS
Robert Henry Brown, Beckenham, England, assignor to W. E. Moulsdale and Company Limited, London, England, a British company
Application October 15, 1947, Serial No. 780,014
In Great Britain October 15, 1946
4 Claims. (Cl. 146—277)

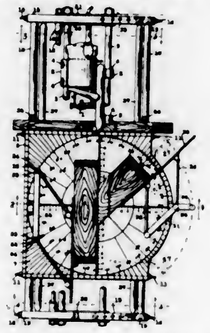
1. Apparatus for removing the outer layer of hard-kernel grains, comprising a horizontal cylindrical rotor having on its periphery a plurality of straight continuous tooth projections extending approximately parallel to the axis of said rotor, a lower part-cylindrical screen defining a relatively narrow part-annular space around the lower portion of said rotor between the ends thereof, a casing cooperating with said screen to enclose said rotor and extending about the upper side of said rotor to provide a relatively deep balance chamber above and substantially throughout the length of said rotor, said casing being provided with an inlet opening communicating with said balance chamber adjacent one end of said rotor, said screen being provided with an outlet opening adjacent the opposite end of said rotor and disposed below said rotor adjacent the upgoing side thereof, said tooth projections on said rotor having wide smooth crown surfaces forming sharp lengthwise edges with surfaces thereof extending generally radially, said projections being circumferentially interspaced with wide smooth-floored shallow grooves, the depth of said grooves along the length thereof between said inlet and said outlet openings not substantially exceeding one-half the average diameter of the grains but sufficient to carry in said grooves a single grain depth of said grains, a horizontally extending resiliently flexible strip supported adjacent the joint between said wall of said casing and said screen at the upgoing side of said rotor and projecting cantileverwise towards said rotor with its longitudinal edge adjacent said rotor, the radial depth of said annular space being sufficient to confine therein at least adjacent said flexible strip additional grains in multi-grain radial depth overlying and in contact with said grains carried by said rotor, said longitudinal edge of said strip being spaced from said groove floors of said rotor a distance less than said average grain diameter and with clearance with respect to said crowns of said tooth projections to restrict the grains bodily carried by said rotor past said strip to the grains in said shallow grooves while providing for movement past said longitudinal edge of said strip of additional grains from said overlying grains within said annular space adjacent said strip concomitantly with flexure of said strip transversely of the length thereof, said strip providing a hard surface in contact with said grains and exerting a resiliently yielding pressure against the surfaces of the grains moved past said projecting edge of said strip to remove the adhering outer layers from said grains, and means disposed in said balance chamber and cooperating with said rotor to urge the grains in said balance chamber to move lengthwise along the rotor towards said outlet.



2,599,893
PORTABLE POWER SAW MITERING MACHINE
Frank David Butler, Venice, Calif.
Application June 27, 1949, Serial No. 101,568
6 Claims. (Cl. 143—6)

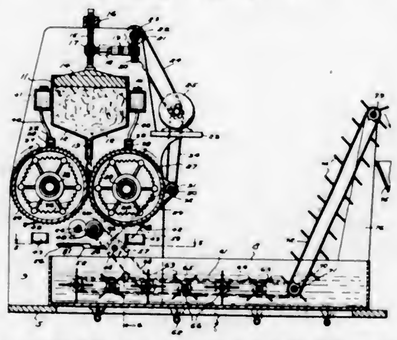
5. In a portable power saw mitering machine, a pair of elongated ways extending parallel to one

another and secured in a plurality of brackets one located at each end of said pair, a pair of elongated guide-tubes extending parallel to one another and to said ways and having their ends secured in said brackets, a table having a top surface and adapted to be mounted in a slidable manner on said pair of guide-tubes between said brackets, a portable power unit having a circular saw with a cutting-edge and provided with a plurality of suitable bearings that are a slidable-fit over said ways and whereupon the latter said unit is manually slidable along from adjacent one of said brackets to the other in a path ex-



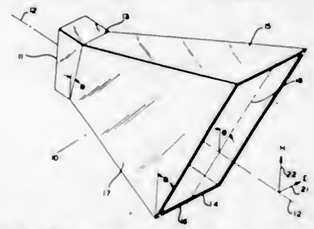
tending parallel to and with said cutting-edge of said saw closely adjacent to said top surface of said table, means by which said unit may be secured to said ways, means by which said table may be secured to said guide-tubes, means by which said circular saw of said unit may be secured perpendicular or at various angles to said top surface of said table, means for spotting and gauging lumber on said table top surface at various angles and widths in relation to the path of travel of said cutting edge of said saw over said table, these two latter means constituting means for cutting lumber to various simple and compound angles.

2,599,894
FORMING APPARATUS FOR EDIBLE FOOD PRODUCTS
Gerald James Campbell, Miami, Fla.
Application December 9, 1949, Serial No. 132,190
4 Claims. (Cl. 107—4)



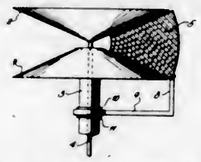
1. An apparatus for forming edible chips that comprises a base, a pair of upstanding side plates carried thereby, a dough hopper disposed between the plates and having an elongated discharge nozzle at its lower end, an ejector plate operable in the hopper for continuously forcing the dough from the nozzle in sheet form, a pair of cylindrical spaced apart drums arranged beneath the hopper and equidistantly spaced upon either side thereof for receiving and compressing the dough sheet from the nozzle, means for heating the drums, means for rotating the drums in opposite directions, continuous feed means for the ejector plate in timed relation to the rotation of the drums, a prime mover for the movement of the ejector plate and drums, a plurality of vertically arranged co-acting rotary cutters disposed beneath the drums to receive and slice the sheet into vertically depending ribbons continuously during its travel, and cutter bars arranged beneath the rotary cutters to received and cut the ribbons at right angle into chips.

2,599,895
H-PLANE HORN
Lan Jen Chu, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application January 16, 1946, Serial No. 641,606
7 Claims. (Cl. 250—33.65)



1. An electromagnetic horn for interchanging energy between a transmission line and space, said horn comprising a flared conductive structure terminating in an aperture at one end thereof and a constricted throat section at the opposite end thereof, said aperture and said throat section substantially lying in parallel planes in non-perpendicular relation with the axis of said horn.

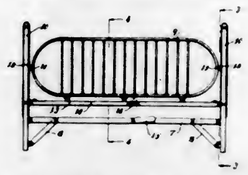
2,599,896
DIELECTRICALLY WEDGED BICONICAL ANTENNA
John W. Clark, Cedar Rapids, Iowa, and Norbert J. Gamara, Minneapolis, Minn., assignors to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 12, 1948, Serial No. 14,454
9 Claims. (Cl. 250—33.63)



1. An electric wave antenna of the type described, comprising a pair of similar conical shaped and coaxial spaced conductive members defining between their opposed faces an outwardly diverging annular horn opening extending around a central axis, and a dielectric wedge located between said opposed faces said wedge being tapered in cross-section both in a plane perpendicular to said axis and in a plane parallel to said

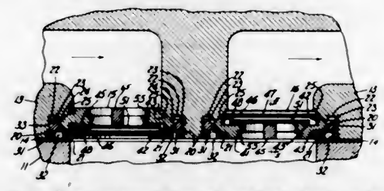
axis and with the tip of the wedge facing said axis to refract the rays to produce a highly-directionalized substantially parallel ray beam.

2,599,897
CHILD'S CRIB
Thomas A. Ceccomo, New Britain, Conn.
Application May 4, 1950, Serial No. 159,936
4 Claims. (Cl. 5—101)



4. A crib comprising a frame including upright end members each having a pair of vertical posts, a pair of opposite side members pivotally mounted on and between said posts on an axis intermediate the top and bottom portions of said members, and a spring frame disposed below said side members and pivotally connected thereto to permit lateral swinging movement of said spring frame when the said side members are rocked about their pivots.

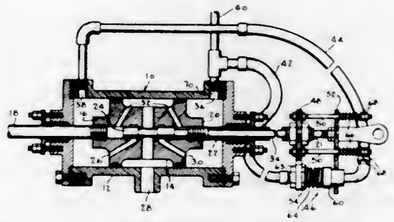
2,599,898
VALVE
William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application July 19, 1946, Serial No. 684,728
3 Claims. (Cl. 251—119)



1. A valve comprising a valve seat member provided with an opening for the passage of fluid, a valve disc mounted in the seat member and adapted to close the opening to prevent the passage of fluid therethrough, a bar magnet extended across the opening and adapted to attract the valve disc to close the opening, a guide member mounted in the seat member and engageable with the disc for holding the disc in the seat member, and retainer means for holding the seat member, the disc, and the guide member in operative relation with respect to each other, the seat member, the disc, and the guide member being reversible as a unit with respect to the retainer means.

2,599,899
SERVOMOTOR
Joseph A. Denton, Milwaukee, Wis., assignor to The Filer & Stowell Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 15, 1949, Serial No. 99,137
5 Claims. (Cl. 121—41)

1. A servo-motor comprising a cylinder having a piston retracting inlet at one end and a piston advancing inlet at the other end, a piston movable between said inlets and having a retracting end and an advancing end, an exhaust outlet for said cylinder communicating with both said retracting and advancing ends, a piston rod fixed to said piston, an exhaust valve movable in one direction to connect said advancing end with said exhaust outlet and to disconnect said retracting end from said exhaust outlet and movable in an opposite direction to disconnect said advancing end from said exhaust outlet and connect said retracting end to said exhaust outlet, an exhaust valve stem connected with said exhaust valve and movable relative to said piston rod to control the movements of said exhaust valve, a source of gas under pres-

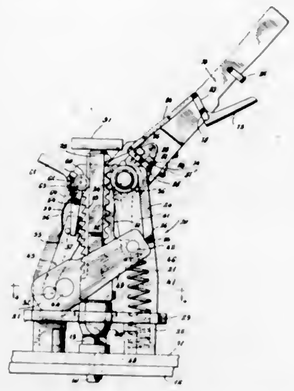


sure continually connected to said advancing inlet, a control valve connected between said source and said retracting inlet and normally biased to open position during advance and retraction of said piston whereby said piston is advanced when said exhaust valve connects said retracting end of said piston to said exhaust outlet and is retracted when said exhaust valve connects the advancing end of said piston to said exhaust outlet, and means for closing said control valve to disconnect said source from said retracting inlet whenever said piston rod while said exhaust valve connects said retracting end to said exhaust outlet is restrained from advanicng and thereby prevent undue losses through said exhaust outlet while advancing force is being maintained on said piston.

2,599,900
JACK
Owen Donohue, Rego Park, N. Y.
Application March 5, 1949, Serial No. 79,769
15 Claims. (Cl. 254—95)

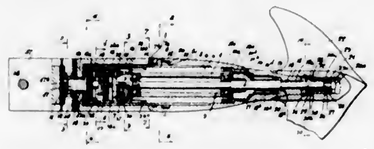
1. In a jack, in combination, a base; a force exerting member reciprocably mounted on said base for movement inwardly and outwardly relative to said base; movable means engageable with said member to force the latter outwardly relative to said base; an operating element for said member directly engaged with said member and operable thereon to move said member outwardly; force transfer means interconnecting said movable means and said element for operation of said movable means by bodily inward displacement of said element relative to said base and substantially parallel to the direction of movement of said member; and means biasing said element outwardly relative to said base whereby, during actuation of said element to move said member outwardly relative to said base to take up slack between the jack and the load on the jack, said element will remain in the extended position outwardly relative to said base and move said member outwardly relative to said base; said element, when said member encounters resistance, moving inwardly relative to said base

and in a direction parallel to the direction of movement of said member to operate said mov-



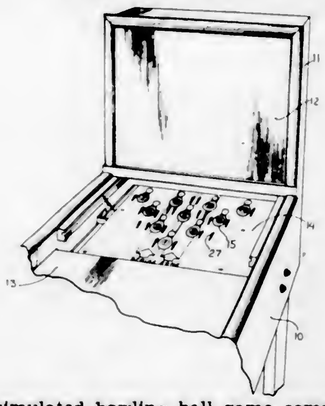
able means to force said member outwardly relative to said base.

2,599,901
CURRENT METER
Henry Louis Etienne Dumas, Grenoble, France
Application January 13, 1948, Serial No. 1,933
In France December 28, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 28, 1966
16 Claims. (Cl. 73—187)



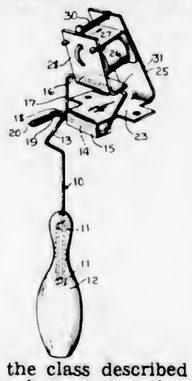
1. In a liquid flow meter of the helical screw type, an enclosing casing for the operating mechanism comprising two cylindrical sections having opposed annular end wall portions adapted to be brought into interfitting sealing engagement with one another through manual manipulation of said sections, means carried by one of said sections and accessible to the exterior or said casing for locking said sections together, a tubular alignment sleeve fitting within said casing in overlapping sealing relation to the sealing joint between said sections, and a cup-shaped member having cylindrical side walls closely fitting within said alignment sleeve and establishing a sealed partition between the forward part of the interior of said casing and the rearward part thereof, a drive shaft in said forward part of the casing and extending outwardly thereof, a helical screw on the outer end of said shaft, a longitudinally-extending shaft mounted in said partition, means disposed in the space forward from said partition establishing a driving connection between the drive shaft and the shaft mounted in the partition, a circuit interrupter in the space rearward from said partition, and means establishing an operative connection between said circuit interrupter and said longitudinally-extending shaft.

2,599,902
SIMULATED BOWLING GAME DEVICE
Lyndon A. Durant, Chicago, Ill., assignor to Royal Patent Corporation, Chicago, Ill., a corporation of Illinois
Application December 10, 1949, Serial No. 132,296
1 Claim. (Cl. 273—126)



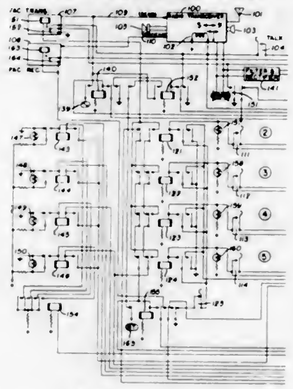
A simulated bowling ball game comprising a playing field over which pucks are adapted to be manually moved, said field being substantially opaque and having at one end thereof a section having thereon symbols simulating bowling pins arranged in standard formation with respect to each other and each having a translucent number bearing area, said section having a designated strike zone, and means for illuminating the said number bearing area, and means for extinguishing said illuminating means in said number bearing areas when said puck moves through said designated strike zone.

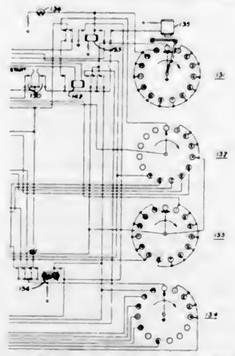
2,599,903
MOVABLE SIMULATED BOWLING PIN SUPPORT AND LATCH THEREFOR
Lyndon A. Durant and Melvin J. Binks, Chicago, Ill., assignors to Republic Patent Corporation, Chicago, Ill., a corporation of Illinois
Application April 22, 1950, Serial No. 157,552
1 Claim. (Cl. 177—329)



A device of the class described comprising a substantially L-shaped mounting plate having one leg portion mounted on a fixed support, an electromagnetic coil including an armature mounted on the other leg of said plate, a latch plate provided by the armature, a bearing provided by said one leg, a rod member having one end portion bent to provide substantially parallelly extending spaced apart sections, one of said sections being journaled in said bearing, the other of said sections being adapted to have latched engagement with the latch plate while said electromagnetic coil is deenergized, a simulated bowling pin carried by the rod member at one end thereof, spring means connected to the opposite end portion of the rod member and to said support for pivoting the rod member in a direction to dispose said other section from latched engagement with the latch plate, and means for pivotally moving said rod member in an opposite direction against the action of said spring means to dispose said other section in latched engagement with the latch plate.

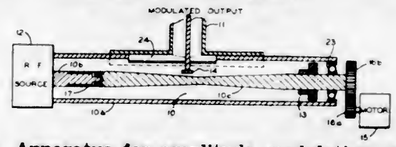
2,599,904
MULTISTATION SELECTIVE COMMUNICATION SYSTEM
Earl Radford Evans, Jackson Heights, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application September 15, 1948, Serial No. 49,425
22 Claims. (Cl. 250—6)





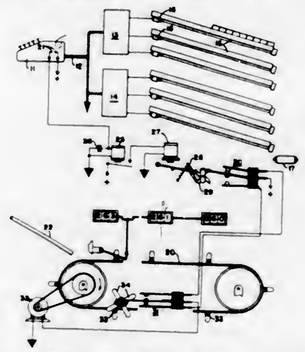
1. A multi-station message transmission and receiving system of the kind described, comprising in combination, a plurality of stations each provided with a radio transmitter and with a radio receiver, all said stations arranged to operate on the same interstation carrier frequency and each station being arranged to act as a transmitter to any one or more of the other stations, message recording means at each station, means at each station for rendering the recording means thereat responsive to signals received by the associated radio receiver, means controlled by the radio transmitter at any particular station and by the radio receiver at a wanted station or stations for selecting said wanted station or stations, the last-mentioned means including circuit connections for locking out the unwanted stations against transmission and reception from said particular station, and means including the radio transmitter at said particular station and the radio receiver and message recording means at said wanted station or stations for sending and recording a message only at said wanted stations by way of said carrier frequency.

2,599,905
MODULATOR
Roberto M. Fano, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 29, 1945, Serial No. 631,755
8 Claims. (Cl. 250—36)



1. Apparatus for amplitude modulating radio frequency energy by means of a continuously variable coupling comprising, a coaxial transmission line having a rotatable center conductor whose diameter varies along its axial direction, said rotatable conductor being flattened to form two opposed sides a second coaxial transmission line coupled to said first coaxial line by means of an extension of the center conductor of said second coaxial line and forming the output connection, means for rotating said rotatable center conductor to vary the coupling between the two said coaxial lines, whereby the radio frequency energy in said first coaxial line is amplitude modulated as received by said second coaxial line.

2,599,906
ARTICLE DISPENSING AND DISTRIBUTING SYSTEM
Paul M. Farmer, West Orange, N. J.
Application June 16, 1945, Serial No. 599,888
9 Claims. (Cl. 186—1)



1. In an article distribution system having a substantially continuously operating conveyor, in

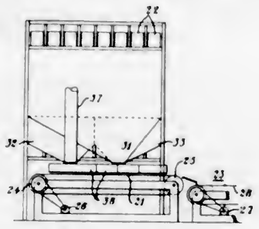
combination, a timing mechanism having a movable supporting member synchronized with the conveyor so that progressive movement of a point thereon corresponds to the movement of an article on said conveyor, a plurality of elements on said supporting member each displaceable from a normal to an actuated position, said elements arranged in series relation on said supporting member to represent possible spaced or successive articles on the conveyor, means to actuate individually any of said elements from the normal position to store article-conveying information on said timing mechanism concerning the location of the corresponding article and a control device in the path of any element which is in its actuated position, to be operated after the movable supporting member has effected a predetermined movement.

2,599,907

ARTICLE DISPENSING AND CONVEYING SYSTEM

Paul M. Farmer, West Orange, N. J.

Application March 13, 1946, Serial No. 654,090
5 Claims. (Cl. 198—42)



2. In an article-handling system, in combination, storage means for a multiplicity of articles, said storage means having a compact substantially in-line array of delivery openings through which the respective articles are released after selection, a conveyor belt for transferring released articles to a separate location and a plurality of guides having top openings each disposed beneath a group of said delivery openings to receive articles dropping by gravity from said storage means, said guides further having bottom openings above spaced points on said conveyor belt, the bottom opening of a guide handling articles from more remote delivery openings being ahead of a bottom opening handling articles from delivery openings nearer said separate location.

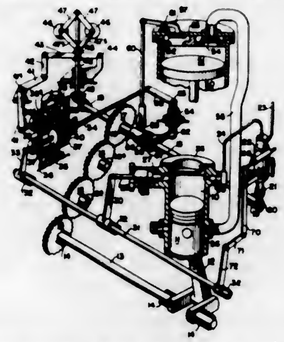
2,599,908

INTERNAL-COMBUSTION ENGINE

Gustav R. Gehrandt, Evanston, Ill.

Application March 18, 1946, Serial No. 655,218
9 Claims. (Cl. 123—32)

1. An internal combustion engine embodying a cylinder, a piston reciprocable therein, means for supplying air to said cylinder to be compressed therein, means for injecting fuel oil into said compressed air to be ignited for combustion thereby, means controlled by the speed of the engine for automatically varying the size of the combustion space in said cylinder, the last said means including a chamber having communication with the combustion space in the cylinder, a piston valve having a projection thereon and operable in the chamber and through which piston valve the incoming fuel flows, and passages in the projection of said piston valve for reversing the direction of flow of the fuel back into the main cylinder.

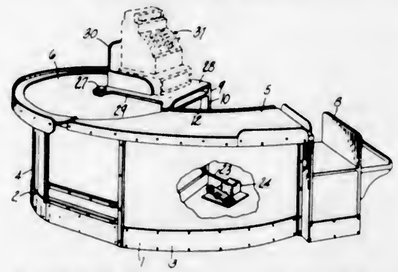


2,599,909

CHECK STAND FOR GROCERY STORES AND THE LIKE

William L. George, Grand Rapids, Mich., assignor to Will L. George Corporation, Grand Rapids, Mich., a corporation of Michigan

Application September 15, 1947, Serial No. 774,020
7 Claims. (Cl. 186—1)



1. A checking stand for grocery stores and the like comprising a front portion having upper and lower shelves, a vertical post secured to said lower shelf and extending upwardly through said upper shelf, a shoulder on said post, a thrust bearing positioned against said shoulder, a turntable having a center bearing rotatably mounted on said post and against said thrust bearing, said post extending upwardly through said turntable, rollers supported on said upper shelf and angularly disposed around said turntable to support the outer portion of said turntable, gear teeth on the under side of said turntable, a motor supported on said lower shelf and having gears and a driving pinion engaged with said teeth to rotate said turntable, brackets secured around the upper edge of said front portion and supporting a rail around approximately one-half of said turntable, a register support stand connected to said front portion and positioned partially under one quadrant of said turntable, a register support panel disposed over said one quadrant of said turntable and supported at one corner upon the top of said post, one edge of said panel extending generally radially of said turntable to said register support stand for support thereby, a second edge of said panel adjacent said first edge extending radially from said post

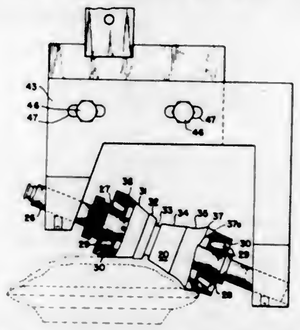
across said turntable to form a stop over said turntable, a discharge counter having its outer edge extending generally tangentially from the periphery of said turntable and with its leading end extending between said stop and said rail, the top of said discharge counter forming a support for the corner of said support panel at the outer end of the stop thereon, and a switch for regulating said motor located behind said discharge counter.

2,599,910

TOOL FOR FORMING DINNERWARE

George B. Guthrie, East Palestine, Ohio, assignor to The Hall China Co., East Liverpool, Ohio, a corporation of Ohio

Application May 9, 1950, Serial No. 161,008
2 Claims. (Cl. 25—26)



1. In a jigger for forming dinnerware having a central portion, a foot, and an edge portion, said jigger having a mould to support a clay piece to be formed into said dinnerware, a tool for forming the piece, and means for turning the mould and the tool relative to each other and for moving them towards each other, the improvement in the forming tool comprising a roller having a portion in the shape of a truncated cone adapted to contact the clay piece from the central portion of the piece to the foot, and a portion which is inwardly curved adapted to form the foot of the piece, the diameter of the roller where it contacts the central portion of the piece being greater than the diameter of the portion of the roller which forms the foot, the diameter of the roller increasing from the portion which is adapted to form the foot to the edge portion of the clay piece being formed.

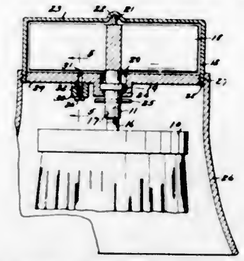
2,599,911

PORTABLE WATER OPERATED ROTARY CLEANING BRUSH

Edward Haines, Philadelphia, Pa.

Application February 4, 1948, Serial No. 6,132
3 Claims. (Cl. 15—29)

1. A water operated rotary cleaning apparatus comprising a housing, a brush, a casing detachably connected to the housing and in which the brush is positioned, means in the housing rotatably mounting the brush, an impeller positioned in the housing and carried by the brush, a handle, a water supply tube, a compressible water return tube and both of said tubes extending into the handle, water supply and return connections connected to said tubes and communicating with the housing wherein the flow of water through the housing influences the impeller, and the handle being mounted on said tubes so that it overlies the ends of the water supply and return connections, a water pressure responsive valve in the casing, a spring urging said valve into closed position and the valve positioned to drop water upon the brush when the water pressure in the housing overcomes the action of the spring, and a manually operated push button in the handle in engagement with said compressible tube and adapted to be pushed inwardly to compress the compressible tube for restricting the flow of water through the housing to build up the water pressure therein for opening the valve.

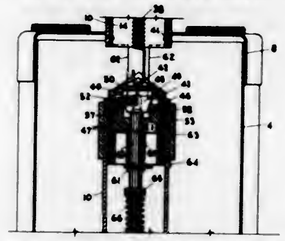


2,599,912

COIN TUBE AND OPENER THEREFOR

Gerald A. Hale, Oklahoma City, Okla., assignor to Magee-Hale Park-O-Meter Company, Oklahoma City, Okla., a corporation of Delaware

Application January 12, 1951, Serial No. 205,665
11 Claims. (Cl. 232—16)



1. In a coin collecting apparatus, comprising a coin tube, a spring loaded plunger in one end of the tube having a recess therein, and an opener for the coin tube, said opener comprising a head of a size to enter the recess, and expandable means carried by the head to engage the walls of said recess whereby the plunger may be removed from the coin tube upon movement of said head to remove coins from the tube.

2,599,913

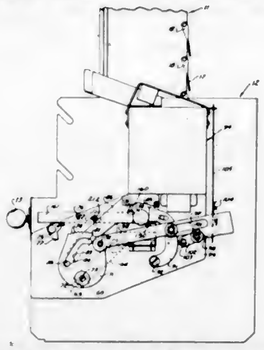
VENDING APPARATUS

David Hancock, Jr., Elmhurst, Ill., assignor, by mesne assignments, to Vendall Company, Chicago, Ill., a corporation of Illinois

Application November 29, 1946, Serial No. 712,914
4 Claims. (Cl. 194—63)

2. In a merchandise vending machine, a plurality of manual operating slides, a yoke carried by each of said slides for performing a merchandise release operation, a coil spring connecting each of said slides with its yoke, a coin testing mechanism, an interfering member conditionally released by said coin testing mechanism and common to all of said operating slide yokes, a locking lever operated by said coin testing mechanism

for releasing its said interfering member, and latch means for associating each of said yokes with its slide, including portions engageable by



said interfering member when not conditionally released by said coin testing mechanism for disassociating any of said manual slides from its carried yoke.

2,599,914

ETCHING PROCESS

Paul J. Hartsuch, La Grange, and Carl Wachtl, Evanston, Ill., assignors to Lithographic Technical Foundation, Chicago, Ill., a corporation of Delaware

No Drawing. Application January 4, 1950, Serial No. 136,846
3 Claims. (Cl. 41—42)

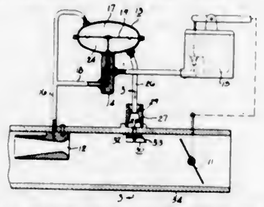
1. The process of removing chromium from a chromium plated surface which comprises subjecting the surface to etching by applying thereto a solution containing aluminum chloride as its active ingredient and a salt selected from the group comprising zinc chloride, stannic chloride and ferric chloride as another ingredient.

2,599,915

FUEL DISTRIBUTION SYSTEM

Herman Hersch, Cleveland Heights, Ohio, assignor of one-half to Selma Hersch

Application July 23, 1947, Serial No. 763,013
8 Claims. (Cl. 123—119)



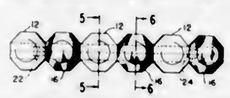
1. In combination with an internal combustion engine having at least an intake port, the provision of an air conduit for said port, first Venturi means in said conduit, second Venturi means having an entry opening and exit opening with a low pressure producing throat area therebetween, said exit opening extending from the interior of the second Venturi device into the interior of the conduit, said entry opening extending to atmosphere, a diaphragm device having a flexible diaphragm separating a first chamber and a second chamber, tube means extending from the throat area of said first venturi to the first chamber, tube means extending from the throat area of the second venturi to the second chamber, and fuel valve means operable by movement of said separating diaphragm, said first venturi serving to produce a differential of pressure between said first and second diaphragm chambers upon movement of air through said conduit and first venturi to said engine and thereby operate said valve means to allow fuel to be admitted to said engine, and said second venturi serving to produce a differential of pressure between said second and first diaphragm chambers upon stoppage of air movement through said conduit to said engine and thereby operate said valve means to stop fuel passage to said engine.

2,599,916

BARRETTE

Crofton C. Holden, Leominster, Mass., assignor to Tilton & Cook Co., Leominster, Mass., a corporation of Massachusetts

Application December 27, 1948, Serial No. 67,404
2 Claims. (Cl. 41—34)



1. An ornamental article composed of at least two parts, one part comprising a support and a plurality of integrally formed decorative elements disposed in spaced relation across the front of the support with the decorative elements projecting beyond the margins of the support, the rear surfaces of the projecting margins of the decorative elements lying substantially in the plane of the front surfaces of the support intermediate said elements, a second part likewise comprising a support and spaced integrally formed decorative elements along the front of the support in the manner of the first part, the parts being assembled with the supports in juxtaposed relation across the backs of the decorative elements and with the decorative elements of each part overlying the support of the other part forwardly thereof.

2,599,917

SILOXANE LUBRICANTS

Maurice C. Hommel, Bay City, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application January 25, 1950, Serial No. 140,545
1 Claim. (Cl. 252—49.6)

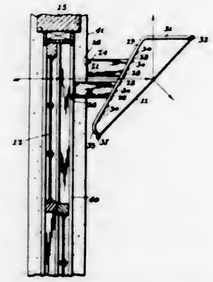
A lubricant composed of a halogenated arylpolysiloxane fluid, from 2 per cent to 10 per cent by weight, based upon the weight of the mixture of a compound selected from the group consisting of chlorinated biphenyls containing from 48 per cent to 62 per cent by weight chlorine and chlornaphthaxanthate containing 31 per cent chlorine and 11 per cent sulfur, and from 0 to 2 per cent by weight based upon the weight of the mixture of a sulfide selected from the group consisting of benzyl bisulfide and 2,benzylthiacyl,N,N - diethylthiocarbamyl sulfide, said halogenated arylpolysiloxane having a degree of substitution greater than 2 and less than 3 organic radicals per silicon atom, said siloxane containing halogenated aryl radicals selected from the group consisting of halogenated phenyl and halogenated xenyl radicals having substituted therein from 1 to 7, inclusive, halogen atoms selected from the group consisting of chlorine and bromine, the remaining organic radicals in said siloxane being selected from the group consisting of methyl and phenyl radicals in which siloxane the halogenated aryl radicals are present in amount so that the ratio of halogen atoms to silicon atoms is from 0.05 to 3 and in which siloxane at least 37 per cent of the total number of organic radicals are methyl radicals.

2,599,918

SUPPORTING MEANS FOR SHEET MATERIAL

Alfred C. Hoven and Walter E. Nordmark, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey

Application May 26, 1949, Serial No. 95,462
5 Claims. (Cl. 248—273)



1. Means for supporting a light diffusion screen in upwardly-inwardly extending disposition adjacent a window or the like, such window being flanked by inner wall surfaces which may lie in different vertical planes parallel to the plane of the window, said means comprising: mounting members connected to said wall surfaces respectively and extending inwardly therefrom, said mounting members being of equal length and having upwardly-inwardly sloping inner ends, and being secured to said wall surfaces at selected levels so that their sloping inner ends lie in the same upwardly-inwardly inclined plane; supporting brackets mounted on said mounting members in horizontal alignment and provided with inwardly extending upper and lower arms, said upper arms extending inwardly beyond said lower arms; a horizontal bar supported on the inner ends of the upper arms and serving as a mooring for the upper marginal edge of said diffusion screen; and a similar horizontal bar supported by the lower arms and serving as a mooring for the lower marginal edge of said diffusion screen.

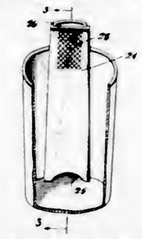
2,599,919

BEVERAGE APPLIANCE

Richard H. Hucknall, Bayside, N. Y., assignor to Morrison-Bergmann Corporation, New York, N. Y., a corporation of New York

Application November 19, 1949, Serial No. 128,439
1 Claim. (Cl. 65—13)

A beverage appliance including in combination a receptacle presenting a base and a side wall extending upwardly therefrom, a pair of spaced elements affixed to the inner face of said side wall, an extended portion integral with said wall and extending above the upper edge of the same at a point between said elements and a member detachably mounted by said elements and having a length substantially equal to the height of said receptacle and extension, said member providing in conjunction with said elements and extension a channel extending from a point adjacent said



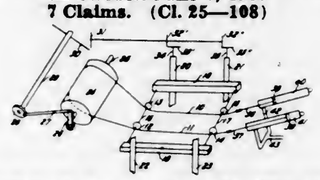
base to a point adjacent the upper edge of said wall.

2,599,920

APPARATUS FOR SEVERING PLASTIC BODIES

Per Jakobsson, Hallabrottet, and Wilhelm Sebardt, Nockeby, Sweden, assignors to International Ytong-Stabalite Company Ltd., London, England, a corporation of Great Britain

Application May 24, 1949, Serial No. 95,964
In Sweden June 7, 1948
7 Claims. (Cl. 25—108)



5. Apparatus of the character described comprising a frame, guide rollers carried by said frame for guiding a plurality of strand-like sawing elements in spaced relation in substantially a common plane, strand-like sawing members engaging said rollers, a drum, means for oscillating said drum, adjacent ones of said members being attached to said drum and wrapped thereon peripherally in opposite directions, tensioning means for applying tensioning force to the opposite ends of said members, said drum and said tensioning means being operative to cause said members to be reciprocated between said rollers in out-of-phase relation when said drum is oscillated, and means for moving said frame in a direction substantially normal to the plane of reciprocation of said members.

2,599,921

TIE HOLDER OR THE LIKE

Albert A. Johnson, Hoxie, R. I., assignor to Anson Incorporated, a corporation of Rhode Island

Application January 13, 1950, Serial No. 138,329
3 Claims. (Cl. 40—140)



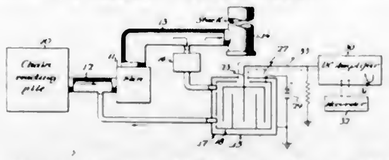
1. In an article of jewelry, an ornamental member of tubular form and rectangular cross-section, said member having an open end, a slide holder slidably mounted in said member and having sides seating within the sides of the member, said slide holder sides having inwardly directed flanges, and an indicia carrying base slidably seated in said slide holder beneath said side flanges.

2,599,922

MONITORING OF GAS FOR RADIOACTIVITY

William Rudolph Kanne, Richland, Wash., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application October 12, 1944, Serial No. 558,450
9 Claims. (Cl. 250—83.6)



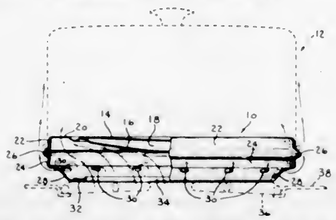
1. An ionization chamber for use in measuring beta ray activity of a gas passing therethrough comprising a container having spaced inner and outer walls insulated from each other, entrance and exit openings through said walls for the flow of a gas therethrough, a terminal mounted in and insulated from the top walls of said container, a plurality of flat open mesh electrodes arranged in spaced parallel relation within said container, alternate electrodes being secured electrically and mechanically to said inner wall and to said terminal, respectively, whereby relatively long paths are provided for beta rays given off by the gas in the container and a large field strength to voltage ratio is obtainable, a direct current voltage source having the negative end thereof connected to ground and to the outer walls of said chamber and the positive end thereof connected through an insulator to the inner walls of said chamber, and an electrical connection, including a resistance element, between ground and said terminal.

2,599,923

BASE FOR PORTABLE DOMESTIC OVENS

Elmore A. Kraemer and Leonard E. Finch, West Bend, Wis., assignors to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin

Application April 23, 1951, Serial No. 222,354
1 Claim. (Cl. 126—275)



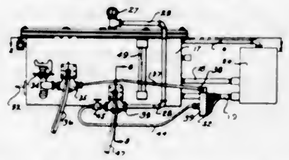
A base for a portable domestic oven having a heat-distributing plate provided with a plurality of heat transmission openings in the peripheral margin thereof whereby heat is transmitted directly to the interior of the oven from the interior of said base, a peripheral flange depending from said plate and provided with means for supporting an oven hood on the exterior of said flange, a support for said plate comprising a curved wall extending downwardly and inwardly from said peripheral flange, said wall terminating at its bottom in a peripherally extending foot, said foot projecting inwardly of said wall to define a large central opening to the interior of said base, and a plurality of vent holes in the upper part of said curved wall adjacent said flange whereby heat is transmitted directly from the interior of said base to the exterior of said flange.

2,599,924

DUAL STEAM GENERATING APPARATUS

Sinai Lafleur, Detroit, Mich.

Application February 6, 1946, Serial No. 645,753
2 Claims. (Cl. 158—73)



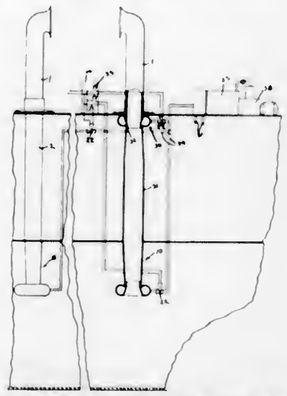
1. A device of the class described comprising: a water container for containing water at a predetermined level; a steam generator for containing water; a pair of pipes, one positioned above the other and connecting said container and said generator with each other below the water level; a pipe connecting said container and said generator with each other above the water level for conducting steam from said generator into said container; a fuel nozzle; a conduit for conducting fuel oil to said nozzle, said conduit passing through said container below the liquid level therein; an electric heating element in said container for heating the liquid and generating steam therein; and a conduit for conducting steam from said container to said nozzle, the relative positions of said nozzle and said generator being such that fuel issuing from said nozzle and burning serves to generate steam in said generator.

2,599,925

VENTILATING SYSTEM

Edward Lamb, San Francisco, Calif.

Application January 19, 1946, Serial No. 642,317
1 Claim. (Cl. 114—211)



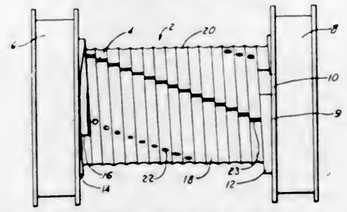
A ship's ventilating system that includes above-deck ventilators provided with laterally directed air intake opening and air pipes extending downwardly from said ventilators respectively into the hold of the ship, an annular fluid actuated air induction nozzle on the lower end of each of said pipes provided with a central throat coaxial with the pipe to which it is secured, said central throat being the discharge outlet for air conducted from said ventilator through said pipe, an annular aperture extending around the throat in each nozzle having sides substantially parallel with the walls of said pipe, and each of said apertures being directed upwardly for discharging fluid into said pipes toward said ventilators for inducing a flow of air or gas in said hold outwardly thereof through said pipes and ventilators when said fluid is passed through said apertures into said pipes, means for conducting fluid under pressure to said apertures for so inducing said flow of air or gas, said hold including a plurality of separate compartments and a pair of said pipes and nozzles being in each of said compartments, means for selectively admitting said fluid to said nozzles as desired whereby one or more nozzles in each compartment may be actuated exhausting said compartments or for causing a forced circulation of air in said compartments.

2,599,926

DRUM WINDING APPARATUS

Franklin L. Le Bus, Longview, Tex.

Application December 23, 1949, Serial No. 134,741
4 Claims. (Cl. 242—117)



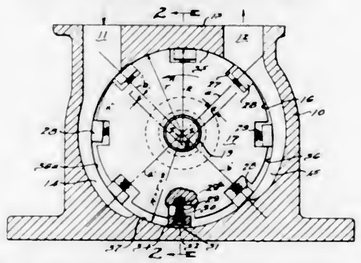
1. A cable winding device for use on a rotating drum core comprising preformed grooved guide sections arranged in end to end spaced relation on the outer periphery of said drum core to provide a continuous helical groove, arcuate end fillers on the opposite ends of said drum core in communication with said guide sections to direct the cross-overs of a cable adapted to be wound on said guide sections, means to secure said guide sections and said end fillers on said drum core, and spacer means disposed between said guide sections for predetermining correct sizing.

2,599,927

SLIPPER PUMP

William T. Livermore, Grosse Pointe Farms, Mich.

Application October 6, 1944, Serial No. 557,390
11 Claims. (Cl. 103—136)



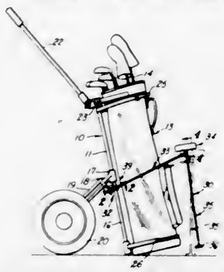
1. In a slipper type pump, a rotor having a plurality of spaced notches therein, a slipper freely mounted in each of said notches, the width and thickness of each slipper being less than the width and depth of its respective notch, a pump casing having a working chamber in which said rotor is rotatably mounted and an inlet and an outlet terminating in inlet and outlet ports respectively communicating with said working chamber, and said working chamber being provided with an arcuate sealing surface concentric with the axis of rotation of said rotor located between said outlet and inlet ports, and the radius of said arcuate sealing surface being substantially equal to the radius of said rotor thereby to form a fluid tight seal of relatively large area between the periphery of said rotor and said arcuate sealing surface between said inlet and outlet ports, the arc having said radius extending circumferentially into said outlet port a distance at least equal to the width of a slipper.

2,599,928

SEAT FOR GOLF CARTS

Lloyd F. Lyons, Los Angeles, Calif.

Application March 15, 1949, Serial No. 81,597
10 Claims. (Cl. 155—80)



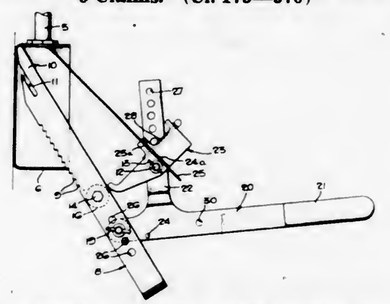
2. In a demountable seat adapted to be supported upon and carried by a wheeled vehicle, the combination of: a substantially vertical, ground-contacting standard; a seat member secured upon the upper end of said standard; elongated supporting means having one end connected to said seat member, said elongated supporting means being resilient and normally adapted to support said seat upon said wheeled vehicle with said ground-contacting standard clearing the surface of the ground.

2,599,929

WIREPULLING DEVICE

Luther F. Mallasch, Glendale, Calif.

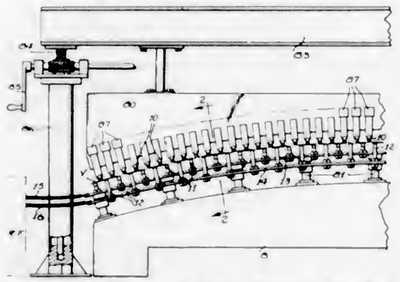
Application April 17, 1950, Serial No. 156,310
5 Claims. (Cl. 175—376)



1. A device for pulling a wire through conduit pipes having terminal boxes at the ends thereof, comprising a straight longitudinal frame member having one end tapered to contact the inside corner of a terminal box and one side notched

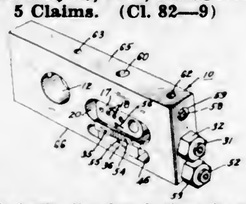
to contact the opposite lower edge of said box and maintain said tapered end in contact with said inside corner of said box, a wire pulling handle having one end pivoted on said member, said handle extending from the side of said member opposite to the side having said notches thereon, and a wire holding element on said handle, said element holding said wire thereto when said handle is moved in one direction and said element moving along said wire when said handle is moved in the opposite direction.

2,599,930
GLUE-SETTING PLATEN
Julius W. Mann, Steilacoom Lake, Wash.
Application March 24, 1948, Serial No. 16,702
9 Claims. (Cl. 144—281)



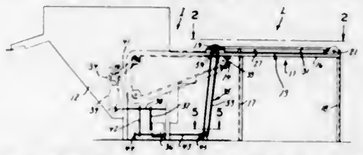
1. In combination, a glue-setting platen for edge-gluing veneer strips comprising a first plurality of generally parallel, generally equidistantly spaced-apart elongated presser elements, cooperatively defining a surface conforming to one surface of the work to which the platen is to be applied, means electrically connecting all alternate pressure elements, and all the intermediate presser elemnts, rspectively, into two groups, means to connect the two such groups to the opposite terminals of a high frequency source, and a second plurality of elongated presser elements generally parallel to the presser elements of the first plurality, and arranged at the opposite side of the work from the cooperatively defining a surface conforming to the surface of the work which is opposite that engaged by, the first plurality of presser elements, and means to advance veneer strips edgewise, in edge-abutting relationship and with adhesive applied to such abutted edges, in the direction generally parallel to said presser elements, for setting of the adhesive by high frequency discharge between pressure members of opposite potential, and during travel lengthwise of such presser members.

2,599,931
LATHE JIG FOR TURNING CRANKSHAFTS
Nestor Mosca, Oakland, Calif.
Application May 28, 1947, Serial No. 751,039
5 Claims. (Cl. 82—9)



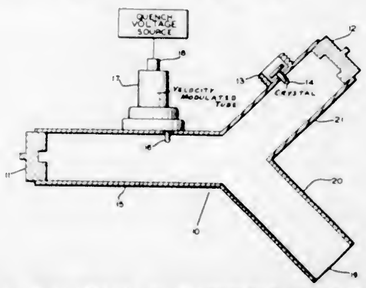
5. A crankshaft jig for lathes having means to hold one end of a crankshaft rigidly, a face block having a socket adapted to receive the lathe center of a lathe, and means to move said face block linearly, having in combination therewith a spring to resist movement of said face block in a direction normal to said linear movement, a calibrated block having a plane parallel edge facing said face block and an inclined edge facing in the opposite direction, and a wedge with an index mark movable against said calibrated block to move said face block in a direction normal to said linear movement against the pressure of said spring.

2,599,932
ARTICLE FEEDING DEVICE FOR WRAPPING MACHINES
Francis H. Murphy, Webster Groves, Mo., assignor to Switzer Companies, a partnership
Application May 10, 1948, Serial No. 26,063
1 Claim. (Cl. 198—76)



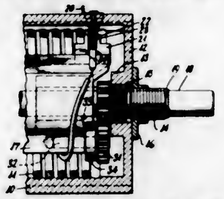
In a feeder for an article wrapping machine having a pocket conveyor, driving mechanism, and power transmission including a Geneva movement connecting the driving mechanism to the pocket conveyor and thereby driving it intermittently, the improvement in combination therewith comprising a belt conveyor positioned and adapted to be manually loaded and mounted to move parallel with and discharge articles onto the pocket conveyor at a point defined as the beginning of a horizontal run of said pocket conveyor, and a power transmission connecting said driving mechanism to the belt conveyor and constructed and adapted for driving it at a substantially constant speed, whereby the pocket conveyor and belt conveyor are moved in timed relationship with each other, one by intermittent movement and the other by constant movement.

2,599,933
SUPERREGENERATIVE MICROWAVE RECEIVER
Leland K. Neher, Newton, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 5, 1945, Serial No. 626,849
9 Claims. (Cl. 250—20)



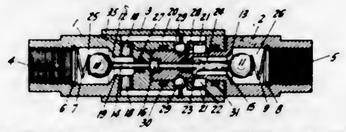
4. A microwave superregenerative amplifier comprising a hollow pipe wave-guide section, an oscillator coupled to said wave-guide section, a rectifier coupled to said wave-guide section, means for matching said rectifier and said oscillator to said wave guide, means for causing oscillations of said oscillator to be quenched, means for coupling an incoming signal to said wave-guide section and means coupling a signal derived from said incoming signal from said rectifier means.

2,599,934
LIMIT STOP MECHANISM FOR POTENTIOMETERS OR THE LIKE
Willard John Opocensky, Glendale, Calif., assignor to Librascope, Incorporated, Glendale, Calif., a corporation of California
Application October 31, 1950, Serial No. 193,172
2 Claims. (Cl. 201—56)



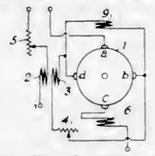
1. The combination with a rheostat or the like having a cylindrical housing with an internal helical resistance winding, a fixed axial bearing sleeve extending within the housing and carried thereby, and a rotor within the housing carrying a contact slide for movement from end to end of the winding and having its actuating shaft journaled in the sleeve; of stop mechanism interposed between said sleeve and the rotor consisting of a hunting tooth gear set comprising a fixed spur gear on the sleeve and a complemental spur gear rotatably mounted on the rotor and moving therewith as a planet gear with respect to said fixed spur gear and complemental stop abutments on the respective gears, the tooth ratio between said gears being set to bring the abutments into locked relation as the slide reaches either end of the resistance winding.

2,599,935
HYDRAULIC LINE COUPLING
Gerald J. Pasker, Monticello, Iowa
Application May 14, 1948, Serial No. 26,963
4 Claims. (Cl. 284—18)



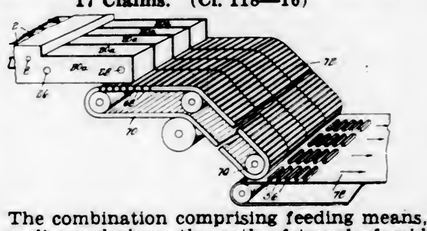
2. A fluid pressure hose coupling, comprising a socket member having a cylindrical casing with a plug-receiving socket in the inner end and having a hose connector extending from the outer end, said socket member having a continuous longitudinally positioned bore with a valve seat in the bore, and the bore having a reduced section, a valve in the connector end of the socket member positioned to coact with the said valve seat to prevent fluid passing from the connector to the plug-receiving socket, a transversely situated partition in the socket member, having a bore with a reduced section extending through the transversely situated partition in said socket member, a stem slidably mounted in the reduced section of the bore, said cylindrical casing having longitudinally arranged channels therein and ports in communication with the inner and outer ends of the channels and said bore at points on opposite sides of the said partition, said casing having laterally extending openings communicating with said bore at points between said ports, spring-actuated balls positioned in the said laterally situated openings and extending into the said plug-receiving socket, a plug positioned in the plug-receiving socket, having a hose connector on the outer end and having a continuous bore extending therethrough, and an annular recess positioned in engagement with the spring-actuated balls of the cylindrical casing and having a substantially radial opening therein providing communicating means between the bore of said plug and the port in said casing communicating with the outer end of said channel.

2,599,936
METADYNE MOTOR
Joseph Maximus Pestarini, Staten Island, N. Y.
Application November 4, 1946, Serial No. 707,698
6 Claims. (Cl. 318—319)



1. An electric direct current power system comprising a variable speed motor having an armature associated with a pair of primary brushes and a pair of secondary brushes displaced therefrom and a plurality of stator windings, said primary brushes being adapted to be energized with a constant current, one of said windings with its magnetic axis coincident with the secondary commutating axis being connected to said secondary brushes and having sufficient turns for creating a flux greater than and in opposition to the flux created by the secondary armature current, another winding being adapted to be independently energized and to create a predetermined flux in the path of said second mentioned flux, and a further winding having sufficient turns for creating a flux in the path of the flux created by the primary armature current and having a magnitude whereby a resultant flux is provided in the last mentioned path and in the same direction as the flux created by the primary armature current.

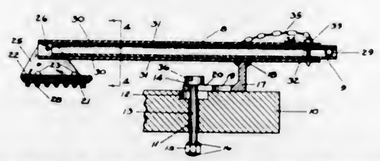
2,599,937
APPARATUS FOR FEEDING CANDY BARS
Santy C. Petrilli, Chicago, Ill., assignor to General Candy Corporation, Chicago, Ill., a corporation of Illinois
Application May 28, 1945, Serial No. 596,262
17 Claims. (Cl. 118—16)



5. The combination comprising feeding means, means disposed above the path of travel of said

feeding means for periodically depositing materials thereon as the feeding means passes thereunder, additional feeding means adapted to feed a succession of contiguous, substantially parallel candy bars along a substantially horizontal path, transfer means adapted to feed such succession of candy bars from the additional feeding means in spaced relation, carrying means for receiving the bars from said transfer means and carrying said bars to said first mentioned feeding means in spaced relation, and means operating said transfer means and said depositing means in timed relation whereby said candy bars are fed onto said first mentioned feeding means in spaced relation and in synchronized movement with the periodic deposit of material with relation to said first mentioned feeding means whereby said material is deposited exactly upon each one of said predetermined spaced candy bars as they are fed along by said first mentioned feeding means.

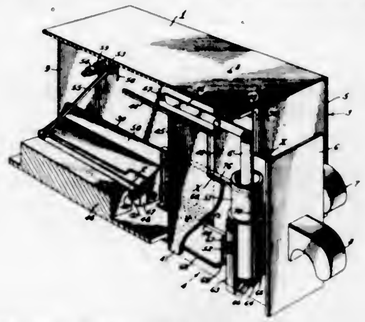
2,599,938
MANHOLE COVER REMOVER
Herbert K. Price and Edward Montgomery, San Francisco, Calif.
Application June 5, 1948, Serial No. 31,335
1 Claim. (Cl. 294—15)



In combination with a manhole cover having a bolt therein, a device of the character described comprising an elongated sleeve, a second sleeve telescopically positioned therein, a plurality of apertures through the walls of each sleeve, a pin capable of being projected through said apertures for adjustably securing the sleeves one to the other, a handle member fixed to an end portion of the second sleeve, a foot member pivotally secured to the opposite end portion of the first mentioned sleeve, a resilient rubber bottom portion having a roughened outer surface fixed to the said foot member and adapted to be placed against the top surface of the manhole cover, a depending angular shaped member fixed to the first mentioned sleeve and spaced from the said foot member, the said depending angular shaped member having an opening in the bottom portion thereof capable of receiving the head of the bolt and a narrowed opening extending from the bolt head receiving opening, whereby the bottom surface of the bolt head is engaged by the said angular shaped member to facilitate the lifting and moving of the cover.

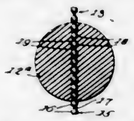
2,599,939
CIGARETTE LIGHTER
Jules V. Richardson, Chicago, Ill.
Application August 18, 1949, Serial No. 110,973
13 Claims. (Cl. 312—86)

1. Cigarette lighter comprising a casing, a lighter drawer and a cigarette drawer mounted in side by side relation in said casing and adapted to be pulled out at the front thereof, said cigarette drawer being longer than said lighter drawer, the rear portion being a cigarette magazine, said casing behind said lighter drawer being formed with a trough for receiving a single cigarette from said magazine, the latter having a discharge passage communicating with said trough, a lighter tube pivotally mounted in said lighter drawer swingable in a vertical longitudinal plane from an axially horizontal position when said drawer is shut, to an axially vertical position when said drawer is open, a pusher



mounted in said casing, and means carried by said lighter drawer engageable with said pusher upon the initial opening movement of said lighter drawer to cause said pusher to transfer a cigarette from said trough into said lighter tube while the latter is horizontal.

2,599,940
AUTOMATIC TANK BALL
Clarence Rickena, Chillicothe, Ill.
Application March 27, 1951, Serial No. 217,733
2 Claims. (Cl. 4—56)

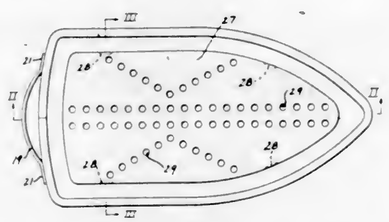


1. A flush valve comprising a length of chain having means at its upper end for attaching it to the valve lifting arm of a flush tank, and a seat-engaging ball through which said chain extends fluid-tightly, said ball having yieldable means engaging said chain with sufficient tenacity to normally establish an antislipping connection between said ball and chain, yet permitting manual adjustment of the ball along the chain, said chain comprising spaced spherical beads and necks connecting said beads, said ball being formed of elastic material and having spherical sockets snugly receiving said beads, said ball also having integral ribs between said sockets and snugly surrounding said necks, said ribs constituting said yieldable means.

2,599,941
LAUNDRY IRON SUPPORT
William T. Rickles, Oneonta, Ala.
Application October 24, 1949, Serial No. 123,135
3 Claims. (Cl. 248—117.3)

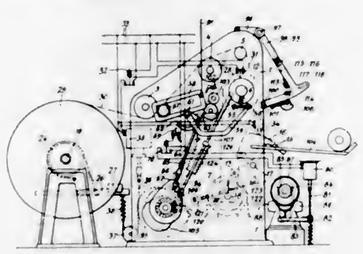
1. In a stand for supporting hot laundry irons, an upstanding rear wall and side walls having inwardly turned over upper edges forming a downwardly opening channel around the upper edge, the side walls of which converge and join at the front, a bottom, a downwardly turned flange along the sides of the bottom welded to the lower inner portion of the back and side walls, there being a plurality of holes along said side walls disposed to permit air to circulate below said bottom, a pad of fibrous insulating material

covering the bottom, a relatively stiff board of insulating material above said fibrous insulating material extending around said back wall and said side walls and upwardly into said downwardly opening channel to be retained in place



thereby, a second relatively stiff board of insulating material covering the pad of fibrous insulating material and bearing against the lower portion of the first mentioned board to hold it in place.

2,599,942
PAPER WINDING MACHINE
Gunnar Roen, Vikeland, near Kristiansand, Norway
Application March 17, 1947, Serial No. 735,065
In Norway March 23, 1946
12 Claims. (Cl. 242—56)

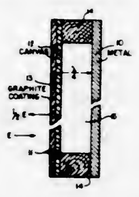


1. A paper rewinding machine comprising means for rotatably supporting a supply roll, a spindle for rewinding a paper sheet unwound from said supply roll, guiding means for said spindle permitting rotational and axial movements but preventing transverse movements thereof, means for withdrawing said spindle axially from an operative to an inoperative position and again returning it to said operative position, means for rotating said spindle in said operative position for performing a rewinding operation, displacing means adapted on withdrawal of said spindle to receive a rewound roll therefrom and move the same transversely to a position in which it is situated outside the path of the spindle and in which the interior side of the paper sheet behind the rewound roll faces said path, and a wrapping and cutting mechanism which comprises a cutting member and a member parallel to the spindle and movable transversely thereto, which latter member is adapted on removal of the rewound roll from the path of the spindle and returning of the spindle to operative position, to engage the paper sheet between spindle and roll from the outside and move the sheet into contact with the spindle for a new rewinding operation and into operative engagement with said cutting member.

2,599,943
PROCESS OF MAKING DISINTEGRATABLE TOP SHOT WADS
Harold C. Russell, Minneapolis, and William N. King, Anoka, Minn., assignors to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application December 6, 1948, Serial No. 63,855
2 Claims. (Cl. 117—155)

1. The continuous process of preparing brittle disintegratable top shot wads for shot shell cartridges which comprises immersing a flexible absorbent cellulosic fibrous paperboard having a thickness of approximately 0.03 to 0.06 inch in an aqueous urea-formaldehyde syrup containing about 1.80 to 2.00 pounds of resin solids per gallon of syrup and having a pH of from about 6.2 to 8.2 for a period of about 4 to 5 minutes to substantially completely penetrate the fibers of the paperboard, heating said impregnated paperboard to a temperature of from about 300 to 400° F. so as to reduce the water content nearly to dryness, saturating said paperboard with an aqueous solution of an acidic catalyst, immediately further heating said paperboard at a temperature of from about 400 to 500° F. to finally dry said paperboard and condense said urea-formaldehyde thereby rendering said paperboard brittle and disintegratable, said impregnated paperboard being maintained in a uniformly planar, level condition during said final drying and condensation, and thereafter punching discs from the dry hardened flat paperboard.

2,599,944
ABSORBENT BODY FOR ELECTROMAGNETIC WAVES
Winfield W. Salisbury, Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 11, 1943, Serial No. 486,608
23 Claims. (Cl. 250—16)

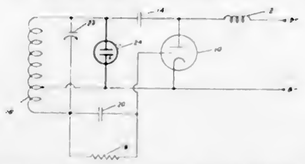


1. A composite surface substantially non-reflective to short electromagnetic waves of a particular frequency, which comprises, in combination, a substantially perfect reflecting surface for said electromagnetic waves, and a conducting screen spaced from said reflecting surface by a medium whose relative dielectric constant equals one at a distance substantially equal to an odd quarter wave length of said electromagnetic waves measured through said dielectric, the character of said screen being such that it substantially satisfies the equation

$$\frac{1}{v\delta}=\frac{377}{\sqrt{\epsilon_R}}$$

where v equals the conductivity of said screen, δ equals the thickness thereof, and ϵ_R equals the relative dielectric constant of the medium in which said surface is to be used.

2,599,945
VOLTAGE STABILIZER
Otto H. Schmitt, Mineola, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application January 15, 1946, Serial No. 641,337
6 Claims. (Cl. 250—36)



5. Amplitude stabilization apparatus, comprising an electron discharge tube, resonant circuit means connected to said tube and adapted upon energization thereof to generate and maintain electrical oscillations at predetermined amplitude values, said resonant circuit means normally having a selected figure of merit, a glow-discharge tube, and low-resistance conductive means connecting said glow-discharge tube across said resonant circuit means, said glow-discharge tube being responsive to rise of amplitude of said oscillations above said predetermined level to cause a disproportionate decrease in the figure of merit of said circuit, thereby to effect stabilization of said amplitude of said oscillations.

2,599,946
OXIDATION INHIBITORS OF U_3O_8
Irving Sheft, Park Forest, and Sherman M. Fried, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application March 13, 1950, Serial No. 149,446
4 Claims. (Cl. 23—14.5)

1. An oxidation-resistant composition comprising an oxide of uranium wherein the valence of the uranium atoms is less than 6 and at least 0.1% by weight, based upon uranium content, of iron as iron oxide.

2,599,947
PAPER COATING APPARATUS
Robert A. Sherman, Decatur, and Luther O. Carlisle, La Grange, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application January 21, 1950, Serial No. 139,834
2 Claims. (Cl. 118—118)



1. In apparatus for applying a liquid coating composition to a moving web, including means for feeding a web through the apparatus and means for applying a coating composition to the moving web, the combination comprising a wire-wrapped smoothing roll, means for reversibly driving said smoothing roll operatively connected therewith, means for supporting said roll in smoothing relationship with said web, said smoothing roll support means including a stationary backing roll having a longitudinal recess in the surface thereof in which said smoothing roll is disposed so as to project therefrom; and a sheet of fabric material located in said recess and pressed between the opposing surfaces of said backing roll and said smoothing roll, said fabric material serving as a wiper for the smoothing roll.

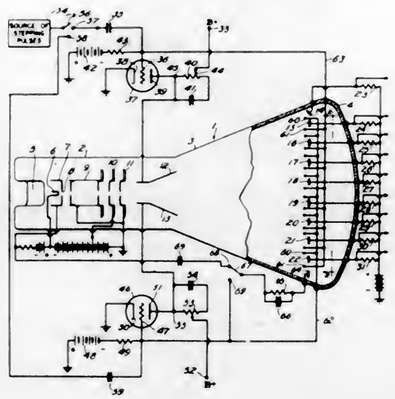
2,599,948
ROCKING-CHAIR AND MUSICAL-BOX COMBINATION AND CLUTCH CONNECTION THEREFOR
Roman E. Shvets, New York, N. Y.
Application October 31, 1950, Serial No. 193,229
3 Claims. (Cl. 84—95)



1. In a combination, a rockable member having a rocker, a reciprocable element carried on said rocker and projecting therefrom toward a floor on which said rockable member may rest, an operable member adapted to be carried on said rockable member and to be operated by said reciprocable element, yieldable means for urging said reciprocable element into contact with said floor, and a clutch arrangement connecting said operable member with said reciprocable member and comprising a driven member, a rotary clutch element operatively connected with said driven member and having a notched circular face, a rotary member geared to said reciprocable element, a rotary clutch element connected with said rotary member and mating with the first mentioned rotary clutch element and having a notched circular face, the notches in said faces having steep surfaces facing one another and opposing relative movement of said rotary clutch elements in one direction and sloping surfaces facing one another and permitting free relative movement of said rotary clutch elements in the other direction.

2,599,949
ELECTRONIC STEPPING SWITCH
Albert M. Skellett, Madison, N. J., assignor to National Union Radio Corporation, Orange, N. J., a corporation of Delaware
Application June 24, 1948, Serial No. 35,025
6 Claims. (Cl. 315—21)

1. Stepping switch apparatus of the type described, comprising, a cathode ray tube having an electron gun for developing a beam of electrons, a series of circuit controlling targets to which said beam is to be stepped in one direction in response to a corresponding number of applied stepping impulses, a pair of beam locking electrodes for each target and mounted in the path of the beam symmetrically adjacent the lateral edges of the target, a pair of beam deflector plates, a pair of grid-controlled tubes for controlling the potentials applied respectively to said plates, a circuit connection from one of said locking electrodes to the control grid of one tube, and a separate circuit connection from the other locking electrode to the control grid of the other tube, said cathode ray tube having another normal target upon which the beam normally rests, means to cause said beam to be stepped in the opposite direction in response to a corresponding number of said stepping impulses, and additional means are provided for applying to one of said deflector plates a potential for normally biasing said beam to cause it to impinge upon said normal target.

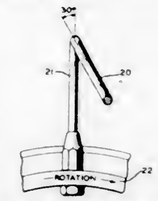


2,599,950
METHOD OF PREPARING POLYMYXIN
Philip G. Stansly, Robert G. Shepherd, and Robert Winterbottom, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 30, 1947, Serial No. 744,940
1 Claim. (Cl. 195—96)

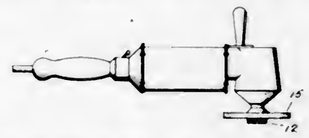
A process of producing polymyxin which comprises growing under aerobic conditions an inoculum of the order of 0.1 percent of a 24 to 48 hour culture of *Bacillus polymyxa* in a substantially aqueous medium having a pH between 5 and 8 and containing 0.5% to 2% by weight of a soluble carbohydrate, 1% to 3% by weight of a soluble inorganic ammonium salt, 0.3% to 1% by weight of a proteinaceous substance selected from the group consisting of yeast extract, soy bean meal, and brewer's yeast, 0.1% to 0.5% by weight of potassium dihydrogen phosphate, 0.0001% to 0.005% by weight of magnesium sulfate, a trace of sodium chloride, at a temperature within the range of 20° C. to 30° C. for a period of time of about two days to five days, whereby the aqueous medium is fermented and polymyxin is produced, and recovering the polymyxin from the fermented medium.

2,599,951
ROTARY SPARK GAP
Russell S. Stanton, Waban, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application October 9, 1945, Serial No. 621,338
11 Claims. (Cl. 313—149)

1. A rotary spark gap generator comprising a rotary electrode mounted upon a rotatable disc, the longitudinal axis of said rotary electrode being disposed in the plane of said disc, and a stationary electrode, said stationary electrode being oriented parallel to the plane of said disc and at an angle to the plane perpendicular to the plane of said disc passing through the longitudinal axis of said rotary electrode.

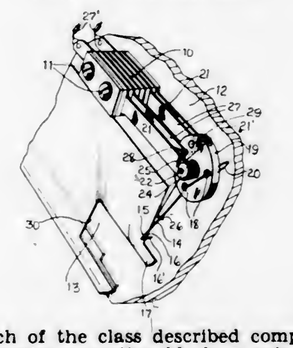


2,599,952
GRINDING WHEEL BLOWER
Wilfred Strayer, Germantown, Ohio
Application June 4, 1951, Serial No. 229,734
1 Claim. (Cl. 51—266)



In a grinding wheel, the combination which comprises a spindle having a threaded stud on the end thereof, a bushing threaded on the said stud and having spaced parallel plates with fan blades between the plates and with an opening through the center of the outer plate positioned in a plane perpendicular to the axis of the bushing forming a head for the bushing, and a grinding wheel positioned on the bushing and clamped between the said head and end of the spindle.

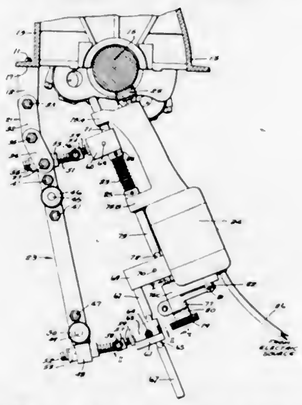
2,599,953
COIN-ACTUATED CONTROL SWITCH
William J. Summers, Chicago, Ill., assignor, by mesne assignments, to Royal Patent Corporation, Chicago, Ill., a corporation of Illinois
Application July 23, 1949, Serial No. 106,354
1 Claim. (Cl. 200—52)



A switch of the class described comprising a non-conductive mounting block, a pair of arms carried by and extending from said block in parallel relationship, a shaft carried by the outer ends of and extending between the arms, a non-conductive disc rotatably mounted on said shaft between said arms, a conductor pin carried by and extending transversely through said disc eccentrically with respect to the long axis of the shaft,

conductor fingers carried by and extending in parallel relation from said block and between said arms and having their outer end portions disposed on opposite sides of the disc, contact heads on said outer ends of said fingers in confronting relation with the opposite sides of said disc and in the path of travel of said conductor pin, spring means for biasing the disc to a position with the conductor fingers from engagement with the conductor pin, and an actuating member carried by the disc and extending therefrom for rotating said disc against the action of said spring means to bring the conductor pin into engagement with said contact heads when said actuating member is engaged by a moving object.

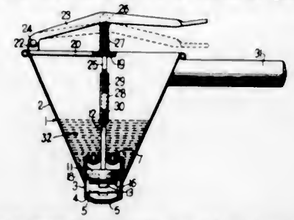
2,599,954
SUPPORTING MEANS FOR BEARING GRINDERS
Oscar F. Tibbs, Memphis, Tenn., assignor of one-half to Emmet R. Garner, Sr., Memphis, Tenn.
Application November 23, 1951, Serial No. 257,705
6 Claims. (Cl. 51—241)



3. Adjustable means for supporting a rotatable bearing grinder which comprises an attachment bracket having a pair of spaced projecting legs, a pair of similarly spaced arms, toggle means respectively interconnecting said legs with said arms adjacent one end of said arms, block means, means carried by said arms supporting said block means for sliding movement transversely relative to said arms, means for effecting transverse movement of said block, threaded adjustment means adjustably mounted in said block means perpendicular to said arms and to said block means, rod means attached to said grinder parallel to the axis of grinder rotation, and lock means, coupled to said adjustment means and connected to said rod means, whereby to attach said grinder to said arms for adjustment relatively to said arms.

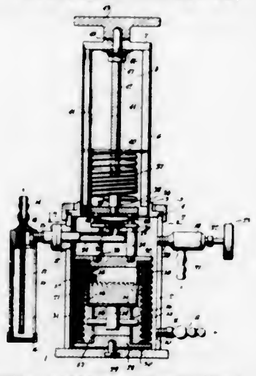
2,599,955
MUSTARD AND CATSUP DISPENSER
Florian A. J. Toman, San Bernardino, Calif.
Application September 11, 1950, Serial No. 184,209
1 Claim. (Cl. 299—97)

A device of the character described comprising a reservoir, a vertically extending hollow cylinder affixed in the lower end of said reservoir and extending downwardly therefrom, an apertured nozzle affixed to the lower end of said cylinder, a head affixed in the upper end of said cylinder, a plurality of one-way inlet valves mounted in said head, a piston vertically reciprocable in said cylinder, a one-way valve permitting liquid to pass through said piston from the top to the bottom thereof, a lever pivoted to the top of the reservoir for movement in a vertical plane, and



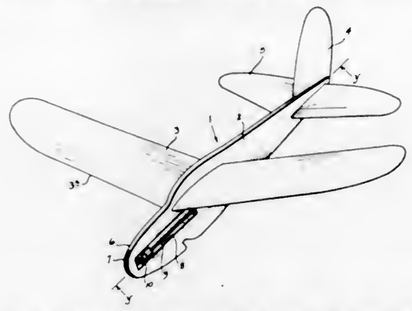
a piston rod interconnecting said piston and said lever, said cylinder having a plurality of circumferentially extending apertures formed therein approximately midway between said head and said nozzle.

2,599,956
ABSOLUTE PRESSURE CONTROLLING APPARATUS
Charles F. Wallace, Westfield, and John O. Kirwan, Bloomfield, N. J., assignors to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application June 8, 1946, Serial No. 675,360
11 Claims. (Cl. 50—23)



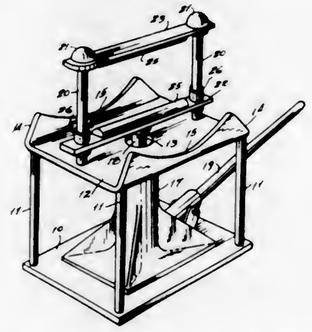
1. Absolute pressure controlling apparatus, comprising means forming a substantially closed chamber for containing fluid pressure, the magnitude of which is to be controlled, fluid pressure conducting means for connection from the inside of said chamber to apparatus wherein pressure is to be controlled, fluid pressure conducting means for connection with a source of fluid pressure of greater absolute magnitude than the pressure to be controlled, a duct connected to the last named means within said chamber and having an orifice therein opening into the interior of said chamber, substantially friction-free valve means associated with said orifice for throttling the flow of fluid pressure therethrough, a barometric, absolute pressure responsive means arranged to be influenced by the absolute fluid pressure within said chamber, means responsive to said barometric means for controlling the throttling of the flow through said orifice by said valve, and a constantly open, constricted fluid pressure conducting means from the inside of said chamber for uninterrupted connection with a source of fluid pressure of less absolute magnitude than the pressure to be controlled.

2,599,957
MINIATURE AIRPLANE WITH BALANCING WEIGHT
Neville E. Walker, Portland, Oreg.
Application October 24, 1947, Serial No. 781,929
6 Claims. (Cl. 46—79)



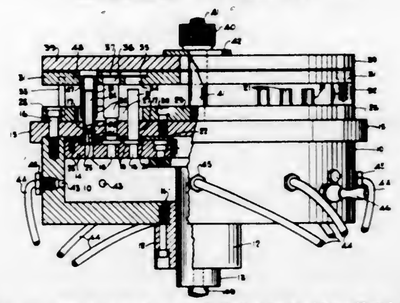
1. A miniature airplane having a two-sided elongated fuselage with a longitudinal slot formed therein and open to both sides thereof, and a balancing weight means mounted for rotation about a longitudinal axis and longitudinally movable within said slot in response to the flow of the airstream past said fuselage during flight, said means including a plurality of helically wound longitudinal airstream-engaging elements the ends of which project laterally into said airstream from both sides of said fuselage.

2,599,958
FIRE HOSE SAMSON
Grover Wallis, Fort Worth, Tex., assignor of one-half to George Miles, Fort Worth, Tex.
Application June 17, 1946, Serial No. 677,242
5 Claims. (Cl. 251—5)



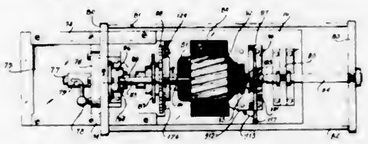
1. In a samson for shutting off water pressure in a fire hose, in combination with a manually operated hydraulic plunger mechanism, a base supporting said mechanism and, a stationary hose rest arranged above said base and rigidly supported above said mechanism on standards rising from said base, a pair of spaced guide rods arranged at each end of said rest having a hose engaging bar slidably connected therebetween and engageable with the upper end of said plunger to be moved thereby, and a hose engaging latch member hinged to the top of one of said guide rods and latchable to the other for holding said hose against the pressure of said engaging bar and plunger.

2,599,959
MEANS FOR CHARGING TUBULAR CONTAINERS WITH MATERIALS
Edward Webster, Parkstone, England
Application January 10, 1950, Serial No. 137,688
In Great Britain January 11, 1949
11 Claims. (Cl. 226—27)



11. In an apparatus of the type described for charging tubular containers with salves and like liquid, plastic or powdered materials, the combination of a receptacle for the material to be charged, said receptacle being open on top and provided with a plurality of apertures in its bottom, a first carrier adapted to be secured to said receptacle above the latter and in spaced relationship thereto, said carrier including means for supporting said containers in an inverted position and in registry with said apertures of said receptacle bottom, a second carrier reciprocable underneath said receptacle in a vertical direction, a plurality of moulds open on top and supported by said second carrier and shiftably fitting said apertures and into said containers, means to reciprocate said second carrier between a first end position in which the open ends of said moulds are flush with the inner face of said receptacle bottom, and a second position in which said moulds extend at least a substantial length into said containers, and means to apply compressed air to material in said moulds through holes in the bottom of said moulds and registering ducts in said second carrier.

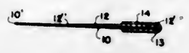
2,599,960
APPARATUS FOR TESTING DYNAMO-ELECTRIC ARMATURES
Hans Weichsel, Webster Groves, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application March 21, 1946, Serial No. 655,966
19 Claims. (Cl. 175—183)



1. In a machine for testing an armature having a two-circuit commuted winding located in slots therein, brushes and a commutator having a number of segments fewer than an integral multiple of the number of armature winding slots, the combination of means for producing a constant alternating current magnetic field, means for rotatably supporting the armature in a plurality of test positions, means for supporting current collecting brushes in operative relation with the commutator, means for indexing said

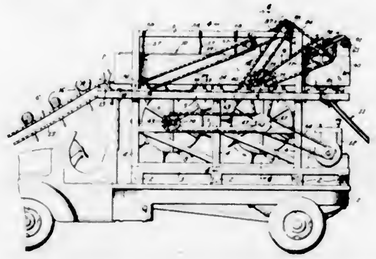
armature with respect to said brushes to predetermined successive test positions corresponding to the armature slots, a voltage indicator connected to said brushes, and means responsive to said indexing means for automatically shifting said brushes relative to the commutator a definite number of degrees simultaneously with the indexing movement.

2,599,961
ABRADING UNIT
Edwin H. White, Baltimore, Md.
Application November 30, 1948, Serial No. 62,670
1 Claim. (Cl. 51—190)



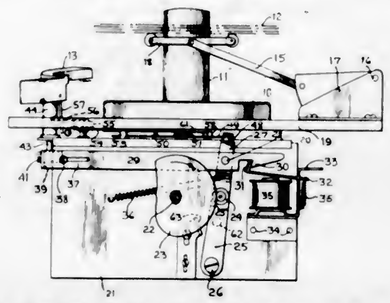
An abrading unit for portable cylinder treating tools having a rotatable holding frame for said unit, said unit comprising a single U-shaped clamping member having its ends extending outwardly beyond the unit to engage the tool holding frame, a thin flexible abrasive sheet, a single tapered elastic supporting sheet of substantially the same size as the thin sheet for supporting the same, the U-shaped clamp adapted to clamp the thicker edge of the tapered member and the single edge of the thin abrasive member together throughout their entire length to form a single integral unit whereby the thin abrasive sheet and the tapered sheet are held in close contact with each other by the said clamp which in turn is holdable within the tool holding frame.

2,599,962
DEBARKING MACHINE HAVING STAGGERED FLAIL-CARRYING DRUMS FOR BROADSIDE ATTACK ON ROTATING LOGS
James K. Williford, Hickory, Miss.
Application September 22, 1950, Serial No. 186,246
9 Claims. (Cl. 144—208)



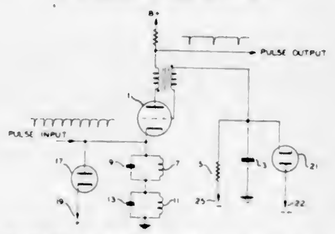
1. In log debarking apparatus, feed means to transport logs through the apparatus along a predetermined path with the longitudinal axes of the logs transverse to said path, at least two rotatable drums carrying flails and being positioned so that said flails strike logs being carried on said feed means, said drums having their axes of rotation perpendicular to the path of the feed means, said drums being spaced apart in the direction of said path and staggered transversely to said path, means to rotate said logs while in the zones of said flail-carrying drums, said feed means being in at least two sections with the respective sections staggered in accordance with the staggered positions of the flail-carrying drums with which they cooperate.

2,599,963
TONE ARM MOVING AND LATCHING MECHANISM
Harry E. Williams, Chicago, Ill., assignor to Williams Patent Corporation, Chicago, Ill., a corporation of Illinois
Application March 15, 1951, Serial No. 215,666
7 Claims. (Cl. 274—15)



1. A device for moving a tone arm of a phonograph apparatus to non-record-engaging position and for releasably latching said tone arm in such position, comprising a supporting structure, means mounting the tone arm on the supporting structure for movement in a vertical and horizontal plane, a latch member slidably carried by said supporting structure for movement in the direction of its length, means for moving said latch member in one direction with respect to its length, means on said latch member for movement therewith into an element of said tone arm to move said tone arm in a horizontal plane from record-engaging position when said latch member is moved in said one direction, means for latching said latch member at the end of its movement in said one direction, means for releasing said latch means to permit said latch member to move in an opposite direction with respect to its length, means for moving the latch member in said opposite direction, and means actuated by said latch member when the latter is moved in said one direction and having means engaging an element of said tone arm for moving said tone arm in a vertical direction from record engaging position.

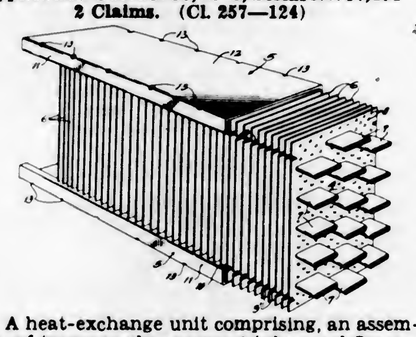
2,599,964
STABILIZED FREQUENCY DIVIDER CIRCUIT
Roger B. Woodbury, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 14, 1945, Serial No. 616,413
7 Claims. (Cl. 250—27)



7. A blocking oscillator frequency divider circuit including an electron tube having at least a control grid and a cathode, a pair of parallel

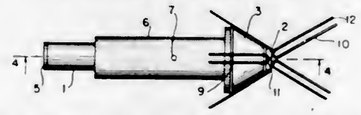
resonant circuits serially connected in the cathode circuit of said tube, a first diode limiter connected in parallel with said resonant circuits for limiting the magnitude of the resultant voltage produced by said resonant circuits when said oscillator blocks, and a second diode limiter connected to the grid of said tube for limiting the potential to which the grid can drop when the oscillator blocks.

2,599,965
HEAT EXCHANGE UNIT
Fred M. Young, Racine, Wis., assignor to Young Radiator, Racine, Wis., a corporation of Wisconsin
Application October 30, 1948, Serial No. 57,474
2 Claims. (Cl. 257—124)



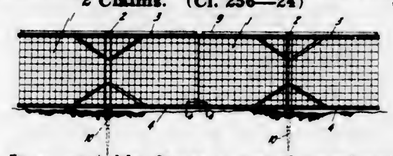
2. A heat-exchange unit comprising, an assemblage of transversely-arranged tubes and fins respectively disposed in substantially parallel relationships, a pair of channel-shaped side-plates each formed from a single piece of metal with the transverse parallel parts spaced apart substantially equal to the width of the fins, the edges of said parts being bent inwardly to form oppositely-disposed flanges substantially parallel with the main body parts of the respective side plates, said fins have alined cuts formed in the lateral edges inwardly from the respective corners a distance substantially equal to the distance between the opposed faces of the inwardly-disposed flanges and said main body parts, the metal at one side of and adjacent each cut being bent over to form a ledge disposed transversely to the plane of the respective fin and thereby constituting a slot for the reception of one of said flanges, said plates being assembled on said fins with said inwardly-disposed flanges extending into said fin slots to rest on said ledges, said plates being bonded to each of said fins only at the areas of contact of the fin edges and said ledges with said plate flanges, the parallel parts, and the contiguous main body part within a line disposed cornerwise across the fins adjacently inward of the fin slots.

2,599,966
MAGNETIC EXTRACTOR
Alexis Zachary, New York, N. Y.
Application June 2, 1950, Serial No. 165,716
4 Claims. (Cl. 294—65.5)



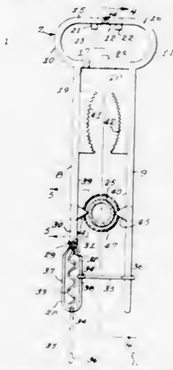
1. A magnetic extractor having a head of non-magnetic material, a magnet located centrally in the head and disposed so that one end normally projects from the head, and means for yieldably holding said magnet in position, said head being conical and said magnet projecting from the smaller end and carrying a magnetic ring encircling its larger end.

2,599,967
PORTABLE FENCE
Jack J. Zimel, Rock Island, Ill.
Application December 27, 1947, Serial No. 794,183
2 Claims. (Cl. 256—24)



1. In a portable fence, a panel construction comprising a vertical tubular post member, upper and lower bars, means connecting the intermediate portions of said bars to the upper and lower portions of said tubular post member at one side thereof, the lower bar-connecting means being connected only to the adjacent side of said tubular post member, whereby the latter provides a substantially unobstructed approximately cylindrical socket extending upwardly from the lower end of the tubular post member beyond the lower bar, brace means connecting each of said upper and lower bars at points laterally outwardly from said post member with said post member at points situated above the lower and below the upper bars, and means connecting the inner ends of said brace means to said post member at the other side thereof, said brace-connecting means extending entirely through the post member, and the lower brace-connecting means lying above the upper end of said cylindrical socket.

2,599,968
BOTTLE CAP LIFTER WITH PIVOTED ARMS
David Acard, Brooklyn, N. Y.
Application January 21, 1949, Serial No. 71,783
1 Claim. (Cl. 81—3.46)



A bottle opening tool comprising a pair of elongated handles arranged in spaced face to face relation with respect to each other, a first U-shaped member positioned longitudinally of one of said handles adjacent one end thereof and having one leg adjacent its free end fixedly secured to said one end of said one handle, a second U-shaped member positioned in face to face relation with respect to said first named U-shaped

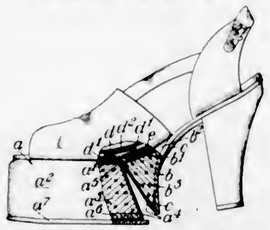
member longitudinally of the other of said handles adjacent one end thereof and having one leg adjacent its free end fixedly secured to said one end of said other handle, the other legs of said first and second U-shaped members being of substantially the same length and having their free ends connected together for swinging movement about an axis transverse of said other legs to thereby shift the free ends of said one legs of said first and second named members into and out of contacting engagement with each other, said one leg of said first named U-shaped member being shorter than said other leg thereof and said one leg of said second named U-shaped member being longer than said other leg of said last named member, interengaging means on the free ends of said one legs of said first and second U-shaped members for holding said free ends in contacting engagement, a link having one end slidably connected to one of said handles adjacent the other end thereof, means on the other end of said link and embracingly engageable with a portion of the other of said handles adjacent the other end thereof for locking the other ends of said handles together when the free ends of said one legs of said first and second U-shaped members are in contacting engagement, and means projecting inwardly from the legs of said first and second named members and engageable with a bottle cap when said U-shaped members are shifted to a position such that said one legs are in contacting engagement with each other.

2,599,969
BALL BEARING
Roger Bajulaz, Geneva, Switzerland
Application March 7, 1951, Serial No. 214,260
In Switzerland March 9, 1950
6 Claims. (Cl. 308—6)



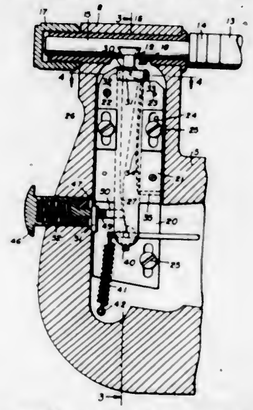
1. In a ball bearing, a frame, two parallel cylinders rotatably mounted in said frame, a crown of balls situated in a plane parallel to the axes of the cylinders and able to turn around itself, at least a part of said balls sitting astride both cylinders, and an armature guiding these balls and holding them in place.

2,599,970
ORTHOPEDIC SHOE
John Barrons, Kilsyth, Scotland
Application August 28, 1950, Serial No. 181,867
In Great Britain September 22, 1949
2 Claims. (Cl. 36—8.5)



1. A ladies' platform shoe comprising an upper, an insole to which the upper is secured, a liner extending below the insole, front and rear platform sections secured to the insole, the front section comprising a sole positioned below the insole, a platform cover secured to said sole and insole, a further sole forming with the platform cover a housing, an outer sole secured to the housing and a block of light slightly resilient material inserted in the housing, and the rear platform section comprising a housing formed by a sole extending below the liner, a waist to support the arch of the foot, side platform covers and a block of light slightly resilient material inserted in the housing, the two platform sections being articulated to each other by a strip of flexible material folded on itself to form the opposed faces of the two housings, the fold forming the line of articulation of the two platform sections with respect to each other and being sewn to the liner positioned below the insole.

2,599,971
INDICATOR FOR MICROMETER CALIPERS
Albert Charles Brown, Seattle, Wash.
Application March 19, 1947, Serial No. 735,619
11 Claims. (Cl. 33—164)



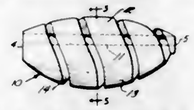
1. A micrometer calipers comprising a frame having a recess therein, a scale in the recess, said micrometer including an anvil and an anvil shaft slidably mounted in the frame, a needle pivoted at one end in the recess and having its other end arranged for movement over the scale, a substantially T-shaped lever including a cross head adjacent one end, and means pivotally supporting the lever in the recess by its cross head and with one end of the lever connected to the shaft and its other end connected to the needle to transmit motion of the shaft to the needle.

2,599,972
ICE TRAY
Michael K. Buchanan, Norfolk, Va.
Application July 2, 1949, Serial No. 102,754
7 Claims. (Cl. 62—108.5)



7. An ice tray comprising an open top pan, a grid arranged in the pan to divide it into a plurality of compartments, the grid comprising a longitudinal member and a plurality of transverse members, the transverse members being relatively movable with respect to the longitudinal member, means for moving the transverse members, said means comprising a transmitting member arranged above the longitudinal member and connected to each of the transverse members, and a pair of aligned tubes, one of which is connected to the longitudinal member and the other of which is connected to the transmissing member, the tubes being constructed and arranged to form a chamber to receive a body of liquid which expands upon freezing causing relative movement of the tubes and thereby causing relative movement of the transverse members with respect to the longitudinal members.

2,599,973
SLIP-ON FISHLINE SINKER
Frank Bujaky, Miami Beach, Fla.
Application September 17, 1948, Serial No. 49,742
3 Claims. (Cl. 43—43.1)

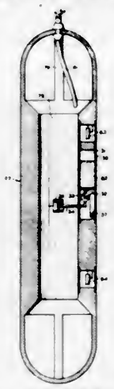


2. A fishing line sinker comprising a solid longitudinally elongated, cigar-shaped body having flat ends, said body being formed with a series of smooth longitudinal cylindrical bore openings extending therethrough and through said flat ends and having a spiral helical slot formed in the exterior thereof composed of convolutions opening into said bore openings with the convolution adjacent to each of the flat ends terminating and opening through the adjacent flat end, said bore openings being eccentrically positioned in said body to define an upper portion of less weight and mass than the portion below said bore openings.

2,599,974
POLYMERIC COMPOUNDS CONDENSED FROM EPICHLORHYDRIN AND A BIFUNCTIONAL AMINO COMPOUND, AND METHOD OF PRODUCTION
Albert Stanley Carpenter, Sutton Coldfield, Birmingham, and Eric R. Wallsgrove, Coventry, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application February 15, 1950, Serial No. 144,373. In Great Britain March 2, 1949
12 Claims. (Cl. 260—42)

12. A composition of matter comprising a polymeric compound obtained by heating together in substantially equimolecular proportions epichlorhydrin and a bifunctional reactant selected from the group consisting of (1) bifunctional amino compounds containing a benzene ring, and in which both functional groups are secondary amino groups separated by at least four carbon atoms, (2) bifunctional amino compounds containing a saturated heterocyclic ring structure having five carbon and one nitrogen atoms, and in which both functional groups are secondary amino groups separated by at least four carbon atoms, (3) bifunctional amino compounds containing a benzene ring, and in which one functional group is a secondary amine and one functional group is an hydroxyl group, said functional groups being separated by at least four carbon atoms, and (4) mixtures of any of said bifunctional amino compounds and a compound selected from the group consisting of (*a*) aromatic dihydroxy compounds in which the hydroxyl groups are phenolic and the carbon atoms linked to the hydroxyl groups are separated by at least one other carbon atom and (*b*) monohydroxy benzoic acids; and an alkali in an amount which is at least the chemical equivalent of the chlorine content of the epichlorhydrin used.

2,599,975
APPARATUS AND METHOD FOR MEASURING THE VELOCITY OF FLUIDS
Paul G. Carpenter, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 8, 1948, Serial No. 58,884
8 Claims. (Cl. 250—83.6)



1. Apparatus for measuring the velocity of longitudinal flow of a first fluid in a well, or pipe, comprising in combination a tubular body disposed and movable as a unit longitudinally therein, a pair of photocells at longitudinally spaced points on said body, a supply of a second fluid, said second fluid being one that will color said first fluid when mixed therewith, a constant rate pump disposed and adapted to draw said second fluid from said supply and to continuously discharge the same into said first fluid at a point intermediate said photocells, a motor connected to drive said pump at a constant speed, remote control means connected to start said motor, means connected to said body for energizing said photocells with radiant energy transmitted through said first fluid, and remote indicating means operated by the electrical characteristics of said photocells indicating the difference in energy received by them whereby said velocity of said first fluid is measured.

2,599,976
ADJUSTABLE LADDER STEP
Orville E. Carlson, St. Paul, Minn.
Application February 15, 1949, Serial No. 76,544
3 Claims. (Cl. 304—31.5)



1. A clamp for securing an end of a ladder step to a side rail of a stepladder comprising a first jaw member arranged longitudinally of the ladder step and having one end fixedly secured to the one end of the ladder step, a second jaw member arranged in parallel spaced relation with respect to said first jaw member and having one end connected to the one end of the ladder step

for movement away from said first jaw member, said first and second jaw members being adapted to embracingly receive therebetween said ladder side rail, and a fastening element extending transversely through said first and second jaw members adjacent the other ends thereof and attached to said members for holding said members in position on said side rail when the ladder rail is received between the first and second jaw members.

2,599,977

TREATMENT OF WOOL

Percy Walmsley Cunliffe, John Leslie Sharp, and Frank Ashworth, Manchester, England, assignors to The British Cotton & Wool Dyers' Association Limited, Manchester, England, a British company

No Drawing. Application January 3, 1950, Serial No. 136,666. In Great Britain July 24, 1946

12 Claims. (Cl. 8—111)

3. A method of treating materials composed at least in part of animal fibres which are capable of being felted, such as wool, in order to reduce the tendency of such materials to felt and shrink when washed in aqueous liquors, comprising treating the material at a temperature of at least 50° C. with a solution of a compound of a metal selected from the group consisting of copper, nickel, silver and mercury, of such strength that the amount of metal present, expressed as a percentage of the weight of the wool, is 0.001%–0.15% in the case of copper, 0.001%–0.75% in the case of nickel, 0.03%–0.75% in the case of silver and 0.05%–0.75% in the case of mercury, until the metal compound in the solution is substantially exhausted, and subsequently treating the material with a solution of a peroxy-body at a pH of not less than 3 and not appreciably greater than 10.5 at a temperature of 30–80° C.

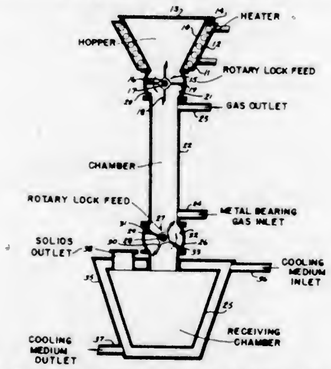
2,599,978

PROCESS OF PLATING CARRIER PARTICLES WITH A CATALYTIC METAL

Oliver F. Davis and Herman Nack, Troy, Ohio, assignors to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio

Application April 15, 1949, Serial No. 87,588

6 Claims. (Cl. 252—472)



1. A method of preparing catalysts which comprises the steps of heating core particles in a closure to a temperature sufficient to decompose heat-decomposable metal vapors upon contact therewith, continuously feeding said heated core particles downwardly into a vertically arranged isolated plating zone, continuously introducing heat-decomposable metal vapor into said plating zone counter-current to the direction of movement of said core particles, and continuously removing said core particles from said plating zone after being subjected to a plating action in a non-oxidizing atmosphere for a length of time sufficient to deposit metal by decomposition of said metal vapors onto said core particles to a depth of about 0.0005 to about 0.005 inches.

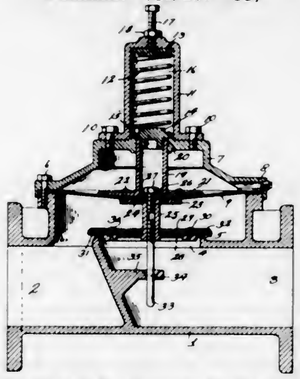
2,599,979

PRESSURE AND VACUUM RELIEF VALVE

Phillips B. Drane, Tulsa, Okla.

Application July 14, 1950, Serial No. 173,915

3 Claims. (Cl. 137—53)



1. A pressure and vacuum relief valve comprising a body member having an intake and discharge passage therethrough, a valve seat between said intake and discharge passage and surrounding an opening of communication between said intake and discharge, a hood carried by the upper side of the body, said hood being attached to the upper side of the body by a cover forming the diaphragm chamber, a diaphragm clamped between said cover and body, a guide sleeve carried by the upper side of the diaphragm and slidably mounted through the upper side of the cover and extending into the hood, an expansion spring disposed within the hood and exerting a downward pressure on the diaphragm guide sleeve, a disc valve below the diaphragm and cooperating with the valve seat, an upwardly extending guide sleeve carried by the valve and extending through the diaphragm into the diaphragm sleeve, means carried by the valve sleeve and limiting downward movement of the valve sleeve in relation to the diaphragm sleeve, a guide stem carried by said valve and extending downwardly through guide means and a flanged plug anchored to the upper end of the diaphragm sleeve and cooperating with the upper side of the cover for limiting downward movement of the diaphragm and diaphragm sleeve.

2,599,980

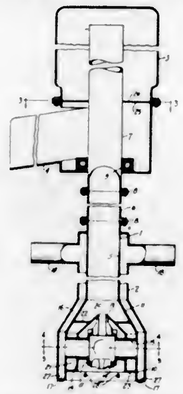
HYDRAULIC DREDGING MACHINE

Homer K. Dunning, San Francisco, Calif., assignor of one-half to Oscar Thomas McShane, San Francisco, Calif.

Application January 25, 1947, Serial No. 724,279

6 Claims. (Cl. 37—62)

1. In a hydraulic dredging machine of the character described, a tube having a mouth at one end adapted for immersion into a pond or the like, a chamber inside the mouth and having axially disposed nozzles pointing in opposite directions, a second tube surrounding the first tube and the mouth so as to form an annular passage



therewith, and conduit connections in the mouth between the passage and the chamber for guiding water under pressure into the latter for discharge through the nozzles, the mouth having an annular series of passages leading from the bottom of the mouth to the tube.

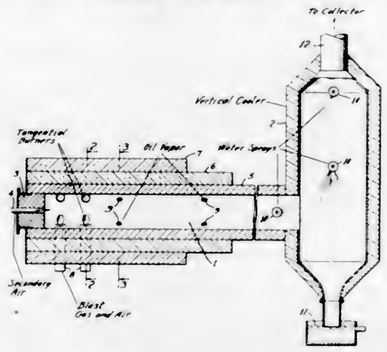
2,599,981

CARBON BLACK

Wesley C. Ekholm, Monroe, La., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware

Application December 22, 1949, Serial No. 134,520

7 Claims. (Cl. 23—209.4)



1. The process for producing carbon black comprising in combination the following steps, blasting into one end of an elongated cylindrical reaction chamber a combustible mixture of a fluid hydrocarbon fuel and air in a direction substantially tangential to the inner wall of the chamber, burning the combustible mixture within the chamber to form a swirling stream of blast flame gases passing through the furnace chamber at a temperature in excess of that at which hydrocarbons are decomposed to form carbon black, separately and forcefully injecting into the swirling gases, at a point downstream from the point of entry of the combustible mixture to the chamber and in a zone near the periphery of the swirling gas stream and in a substantially radial direction, a stream of hydrocarbons, and thereby immediately subjecting the said stream of hydrocarbons as it enters the furnace chamber to the impact and shearing forces of the swirling gas stream, whereby the hydrocarbons thereof are rapidly mixed with the blast flame gases and decomposed by heat absorbed therefrom to form carbon black in suspension in the furnace gases, cooling the suspension, and separating and recovering the carbon black therefrom.

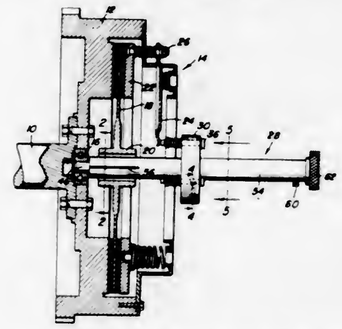
2,599,982

CLUTCH FINGER TOOL

Lester Lee Erwin, San Diego, Calif.

Application October 27, 1949, Serial No. 123,824

4 Claims. (Cl. 33—181)



1. A clutch adjusting and gauge tool comprising a stem construction, means for supporting said stem construction in the collet bearing of a clutch assembly, means for adjustably and fixedly securing said stem construction to the hub of a clutch plate, said securing means threadedly engaging one end of said stem construction, a gauge body slidably mounted upon said stem construction, a plurality of adjusting pins slidably mounted on said body parallel to said stem construction and positioned each in alignment with a clutch adjusting finger when said tool is secured to a clutch assembly, said gauge body containing a lateral bore extending through said body to said stem construction, and means for securing said body upon said stem construction in adjusted position comprising a brake shoe slidable in said bore and frictionally engaging said stem construction, and an adjusting bolt screw threadedly engaged in said bore and engaging said shoe.

2,599,983

AUTOMATIC ADJUSTABLE WAISTBAND

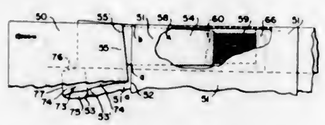
Ralph R. Fanning, Celina, Ohio, assignor to Winner, Inc., Berne, Ind., a corporation of Indiana

Original application November 24, 1947, Serial No. 787,053, now Patent No. 2,526,813, dated October 24, 1950. Divided and this application September 1, 1950, Serial No. 186,693

1 Claim. (Cl. 2—237)

A waistband garment of the class described comprising front and rear connected panels, said front and rear panels being disconnected at their upper portion to form a pocket opening, said front panel having a reduced rearwardly extending portion adjacent the waistline, a front waistband lining attached to the inner side of the front panel and said reduced portion and co-extensive

in length therewith, said rear panel being formed with a forwardly extending flap underlapping the front panel adjacent to the pocket opening, a rear waistband lining secured to the inside of the rear panel and to said flap adjacent the waistline, said rear panel and said rear waistband lining forming an open ended belt receiving tube, a forward elastic element having one end connected to said front waistband lining and its opposite end received within the open ended tube and secured therein, said rear panel having a vertical slot at the waistline and adjacent the juncture of the flap therewith, said rearwardly extending reduced portion and said front waistband lining extending through said slot so that portions thereof are positioned between the rear panel and the rear waistband lining, a rear elastic element between the rear panel and the rear waistband lining, said



rear elastic element being attached at one end to said rearwardly extending reduced portion of the front panel and said front waistband lining and its opposite end being secured to said rear waistband lining, a side pocket in said opening and having an inner wall and an outer wall, said outer wall being connected at its rear upper edge to said front waistband lining, the rear upper edge of said inner wall being connected to the lower edge of said rear waistband lining and to said flap, the forward upper edges of said side pocket being unattached and forming an open loop so that the walls of the pocket are movable with their respective waistband linings, and said elastic elements being disposed substantially parallel to each other and movable in opposite directions for automatically adjusting the waistband portion of the garment to fit the waist of the wearer.

2,599,984

LUBRICANT CONSISTING OF COPOLYMERIC SILOXANES SUBSTITUTED WITH METHYL, PHENYL, AND HALOGENATED-ARYL RADICALS

Herbert J. Fletcher and Melvin J. Hunter, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application September 14, 1949, Serial No. 115,783. In Great Britain February 7, 1949

3 Claims. (Cl. 252—49.6)

1. A composition of matter composed of a liquid copolymeric siloxane having a degree of substitution of greater than 2 and less than 3 organic radicals per silicon atom said siloxane containing halogenated aryl radicals selected from the group consisting of halogenated phenyl and halogenated xenyl radicals said radicals having substituted therein from 1 to 7 inclusive halogen atoms selected from the group consisting of chlorine and bromine, the remaining organic radicals in said siloxane being selected from the group consisting of methyl and phenyl radicals, in which siloxane the halogenated aryl radicals are present in amount so that the ratio of halogen atoms to silicon atoms is from 0.05 to 3 and in which siloxane at least 37 percent of the total number of organic radicals are methyl radicals.

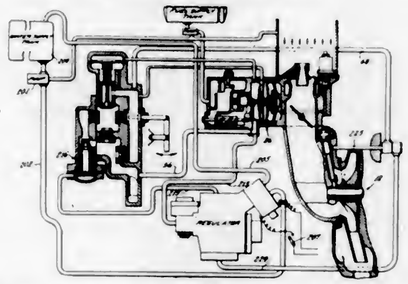
2,599,985

ANTIDETONANT INJECTION CONTROL APPARATUS FOR INTERNAL-COMBUSTION ENGINES

Samuel S. Fox, West Hartford, and Robert B. Talbot, Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 31, 1946, Serial No. 673,432

16 Claims. (Cl. 123—25)



1. In a method of operating an aircraft engine having fuel and water supply systems, the steps of, first decreasing the fuel flow to the engine by a predetermined amount in relation to the unmetered fuel flow, and after a predetermined lapse of time introducing water into said engine.

2,599,986

PREPARATION OF HOMOGENEOUS MIXTURE OF ASPHALT AND POLYSTYRENE

Johannes Goebel and Pieter Bakker, Amsterdam, and Jelle Gerrit Hoogland, Hengelo, Netherlands, assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware

No Drawing. Application August 1, 1947, Serial No. 765,650. In the Netherlands January 7, 1944

Section 1, Public Law 690, August 8, 1946

5 Claims. (Cl. 260—28.5)

Patent expires January 7, 1964

1. In the preparation of an asphalt composition suitable for use as a scratch resistant surface coating, the step comprising heating a composition consisting essentially of 60 parts of a melted blown bituminous asphalt and 40 parts by weight of polystyrene for one hour at 300° C., the resulting product being homogeneous in character.

2,599,987

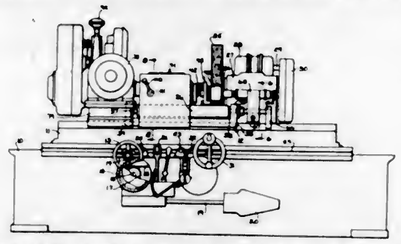
PISTON GRINDING MACHINE

Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 31, 1949, Serial No. 84,659

8 Claims. (Cl. 51—101)

1. In a piston grinding machine having a transversely movable rotatable grinding wheel, a work table, a rock bar pivotally supported on said table, a rotatable master cam spindle on said rock bar, means including a master cam on said spindle and a follower roller to impart a rocking movement to said rock bar, means including a work supporting center on said spindle to support one end of a work piece to be ground, a pivotally mounted footstock on said table having a longitudinally adjustable spindle, a self-aligning workholder on said spindle to support the other end of the work piece, and means to adjust said footstock transversely so that its spindle axis is aligned with the axis of the master cam spindle when a high point of the master cam is in engagement with the follower roller so that the end of the work piece adjacent to the footstock rotates about a substan-



tially fixed axis while the other end of the work piece rotates with the master cam spindle and is rocked toward and from the grinding wheel as controlled by the master cam to generate a variable relief on the work piece being ground.

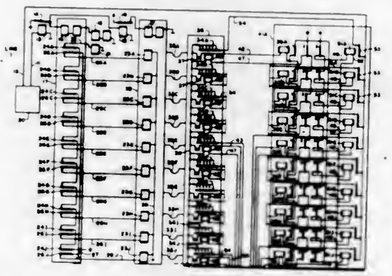
2,599,988

AUTOMATIC TELEGRAPH SWITCHING

Ralph H. Halvorsen, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application April 28, 1950, Serial No. 158,790

8 Claims. (Cl. 178—2)



6. In an automatic telegraph switching system, a plurality of outlying subscriber stations, a central office, a signalling channel interconnecting each outlying station with the central office, said central office comprising a plurality of groups of reperforators, said groups of reperforators being equal in number to the number of outlying subscriber stations, the number of reperforators in each group being equal to the number of outlying subscriber stations, selective control means associated with each group of reperforators and one of said signalling channels said selective control means adapted to direct a message from a signalling channel to a particular reperforator of its associated group in accordance with an address signal preceding the message, a group of transmitters associated with each group of reperforators, said transmitters in each group being equal in number to the number of outlying stations, each of said reperforators has associated therewith a single transmitter, control means for selectively connecting each transmitter in each group with a different signalling channel, and means operated by reception of a message in a transmitter for operating said last mentioned control means whereby each reperforator-transmitter is associated to transmit a message from a single predetermined subscriber to a single predetermined subscriber.

2,599,989

PIPE DRIVER

John L. Haston, Jacksonville Beach, Fla., assignor to John H. MacKinnon, New York, N. Y., and Archie Davis, Jacksonville, Fla.

Application September 22, 1949, Serial No. 117,250

2 Claims. (Cl. 61—73)



1. An impact driver assembly for driving pipes and the like through earth formations on a generally horizontal plane, said assembly including a mobile driver element which is mounted on a trackway comprising spaced tracks on which the driver element travels, said driver element including an elongated, substantially solid metallic body having transverse holes therein adjacent its opposed terminals and an intermediate hole midway between the terminal holes, flanged wheels carried on the terminal shafts on one side of the body and a similar wheel carried on the intermediate shaft on the opposite side of the body, said wheels engaging the tracks, an eye element carried by the body, and cables leading forwardly and rearwardly from said eye element.

2,599,990

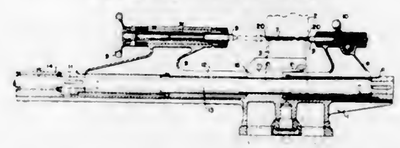
MECHANISM FOR GRINDING MACHINES

Fritz Bernhard Hatebur, Basel, Switzerland

Application July 21, 1947, Serial No. 762,349

In Switzerland June 22, 1946

2 Claims. (Cl. 51—236)



1. A grinding-machine for work-pieces bounded by surfaces of revolution, comprising pointed tools firmly fixed in longitudinal direction for holding the work-piece therebetween, a rectilinear support supporting the work-piece in vertical direction in working position, a rotatable control-disk, means for conditioning the work-piece in grinding position and for removing the work-piece after treatment by reversing the movements of said means for conditioning the work-piece in the grinding position and actuating means for said last named means, said means for conditioning the work-piece comprising a slidable and rotatable shaft, links fixed to said shaft, a second shaft pivotally mounted in said links, arms upon said second shaft and spring means cooperating with said arms.

2,599,991

HYDRAULIC HOIST

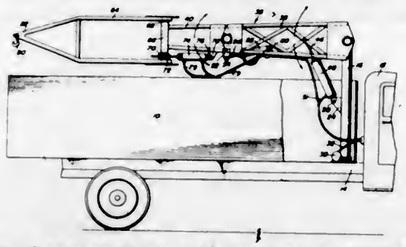
Ole I. Hegre, Rapid City, S. Dak.

Application October 26, 1950, Serial No. 192,215

2 Claims. (Cl. 212—54)

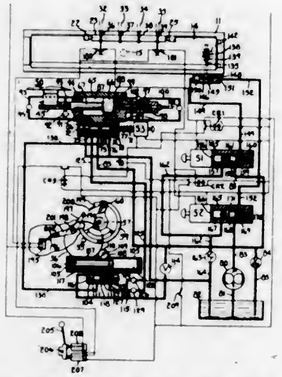
1. A truck hoist comprising a vertical standard, means for rotating said standard about its vertical axis, a boom pivoted upon said standard for rotation independently of said standard, means for rotating said boom, an arm pivoted to said boom for rotation about a vertical axis, and means for rotating said arm independently

of said boom, said boom comprising a pair of sections, means hinging said sections to each other for relative rotation about an axis transverse said boom, means for causing relative rota-



tion of said sections, said last means comprising a lever secured to one section, a hydraulic actuating means secured to the other section and operatively connected to said lever.

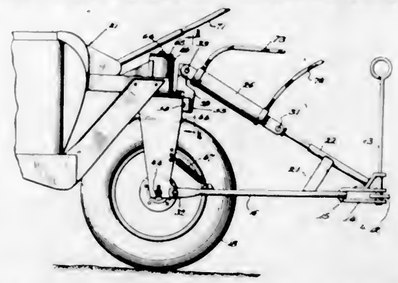
2,599,992
GRINDING MACHINE
Olva E. Hill, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 2, 1951, Serial No. 224,189
8 Claims. (Cl. 51—95)



1. In a cylindrical grinding machine having a base, a longitudinally reciprocable table thereon, a swivel table on said longitudinally reciprocable table, a rotatable work support on said swivel table for supporting a cylindrical-type workpiece, a transversely movable grinding wheel slide, a feeding mechanism therefor, an automatically actuated taper compensating mechanism to swivel said swivel table, and a pair of gauges arranged to engage spaced portions on a workpiece being ground to actuate said compensating mechanism to swivel the table so as to compensate for taper.

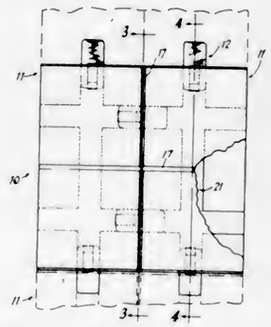
2,599,993
HYDRAULIC LIFT FOR VEHICLES
Stanley E. Hill, Kankakee, and William L. Zink, Piano, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 13, 1948. Serial No. 48,976
2 Claims. (Cl. 280—33.2)

2. An apparatus for coupling and for achieving maneuverability of a trailer vehicle having foremost and rearmost wheel support means, by a tractor comprising, a connecting linkage having a rigid horizontal draft bar and an elongatable hydraulic lift angling between a lower forward portion of said linkage and a higher forward portion of said trailer vehicle, hydraulic fluid conduit means for regulating the length of said lift, a front wheel locking mechanism, means controlled by said elongatable linkage for actuating



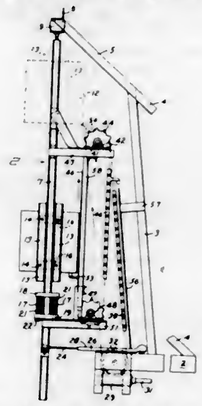
said locking mechanism during the elongated condition of said linkage, and valvular controls for regulating the passage of fluid through said conduit means for thereby raising fore-portion of said trailer vehicle clear of the ground level and for simultaneously locking said mechanism whereby to intergrade the trailer and tractor vehicles during the elongated condition of said linkage.

2,599,994
PANELING
David Hirsch, New York, N. Y.
Application January 24, 1946, Serial No. 643,013
2 Claims. (Cl. 20—15)



1. Panelling comprising a pair of panels having edge to edge contact, said panels each being formed with a slot, the slot in one panel registering with the slot in the other panel, and means joining said panels comprising a plug having one end projecting into the slot in one panel and another end projecting into the slot of the other panel, the plug and slots being of substantially similar transverse cross-section, said plug frictionally engaging within said slots, and said slots having surfaces parallel to the front surfaces of said panels and spaced therefrom, and a clip having a channel at one end receiving one edge of said plug and said clip having a tongue disposed between opposite edges of said plug and at right angles to a surface of said plug and engaged between adjacent edges of said panels to prevent sliding movement of said plug relative to said panels.

2,599,995
POST DRIVING MACHINE
Alfred M. Hobson and George B. Corbett, Carlotta, Calif., assignors to Ernest C. Matthews, Eureka, Calif.
Application February 7, 1949, Serial No. 74,888
3 Claims. (Cl. 61—74)



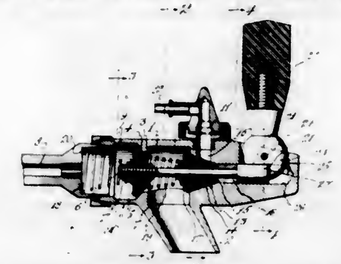
1. In a post driving machine, a main frame, a power driven shaft journaled on the main frame, a second frame including a slideway and pivotally connected at its upper end for universal movement on the main frame, a pair of adjustable length brace rods connecting the second frame at its lower portion to the main frame, a pair of sprockets journaled on the second frame, an endless chain on said sprockets, a hammer disposed in the slideway, a bracket on the chain extending laterally therefrom for engaging the post engaging end of the hammer body on the upwardly moving reach of the chain, guide means confining the chain to straight line movement during lifting of the hammer, and means connecting the power driven shaft to one of the sprockets.

2,599,996
DIPHENYL ACETIC ACID-β-(N-CYCLOHEPTYL-METHYLAMINO)-ETHYL ESTER AND SALTS THEREOF
Karl Hoffmann, Binningen, and Max Spillmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application December 26, 1951, Serial No. 263,503. In Switzerland January 19, 1951
3 Claims. (Cl. 260—469)

1. A member selected from the group consisting of diphenyl acetic acid-β-(N-cycloheptyl-methylamino)-ethyl ester and acid salts thereof.

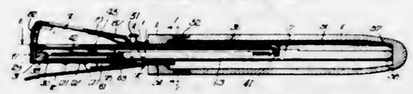
2,599,997
MIXING FAUCET
Frank M. Iannelli, Newark, N. J.
Application September 25, 1948, Serial No. 51,281
9 Claims. (Cl. 277—20)

1. A mixing and dispensing faucet comprising a casing having a discharge chamber formed with an open discharge spout, two coaxial inlet valve ports, one in each of opposite end walls of said discharge chamber and a valve seat for each thereof, a valve rod reciprocable in said casing, a valve head on said valve rod for each of said seats, one of said valve heads being movable relatively to said valve rod, means including springs for actuating said valve heads into engagement with their respective seats and permitting movement of the other of said valve heads to its seat after the first-mentioned valve head



has engaged its seat, there being means to cause positive movement of both of said valve heads by said valve rod in the direction to open the valves and means for actuating said valve rod to move said valve heads into open position.

2,599,998
STAPLER
Henry L. Imelmann, Chicago, Ill., assignor to Fastener Corporation, Chicago, Ill., a corporation of Illinois
Application May 11, 1949, Serial No. 92,620
15 Claims. (Cl. 1—49)

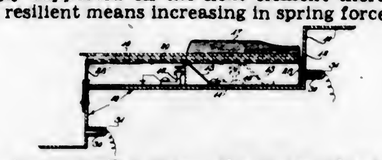


1. A stapling device comprising a long channel-like staple supply magazine having a transversely extending staple driving guideway at the forward end thereof and means for delivering successive staples into driving position in said guideway, a short plate member having means for pivotally mounting the same at one end on the outer faces of the side walls of said magazine with the free end extending on one side of said guideway and forming a staple clinching anvil, a short channel-shaped member having the side walls thereof pivotally mounted at one end on the outer faces of the side walls of said magazine and having a driving blade on the free end thereof in alignment with said guideway, said members being pivoted to the side walls of said supply magazine intermediate the ends thereof for swinging movement about a common axis and said driving blade being operable in said guideway for driving a staple toward said anvil, a ferrule detachably secured in encompassing relation with said magazine adjacent the pivotal connection of said anvil plate and blade carrying members, a tubular section enclosing the rearward end of said magazine and having its end detachably secured to said ferrule, and a removable tubular cap forming section enclosing the forward end of said magazine.

2,599,999
KEYBOARD FOR MUSICAL INSTRUMENTS AND KEYS THEREFOR
Nelson J. Jewett, Arlington County, Va.; John W. Jackson executor and trustee of said Nelson J. Jewett, deceased
Application August 23, 1946, Serial No. 692,419
13 Claims. (Cl. 84—433)

1. In a key for electrically actuated musical instruments of the organ type providing succes-

sive closure of a plurality of circuits by successively increased pressure force: a plurality of depressible elements, each of said elements floatingly supported on the next element therebelow by resilient means increasing in spring force from



the lower to the upper: the upper of said elements exposed for finger contact: circuit closing means below each of said elements for actuation by the depression of the element thereabove.

2,600,000
MANUFACTURE OF SYMMETRICAL DIARYLHYDRAZINES
Jonas Kamlet, Easton, Conn., assignor to Mathieson Chemical Corporation, Baltimore, Md., a corporation of Virginia
No Drawing. Application December 28, 1949, Serial No. 135,539
11 Claims. (Cl. 260—569)

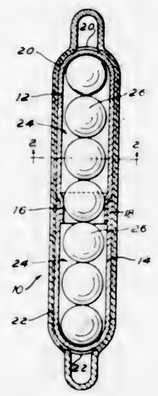
1. A process for the manufacture of symmetrical diarylhydrazines which comprises the steps of: (*a*) reacting an aromatic nitro compound chosen from the group consisting of nitrobenzene, ortho- and meta-nitrotoluene, ortho- and meta-nitroanisole, ortho- and meta-nitrophenetole with a mixture of sodium methylate and sodium hydroxide and separating the resultant aromatic azoxy compound from the concomitant sodium compounds, and (*b*) reducing the aromatic azoxy compound obtained in step (*a*) with a member of the group consisting of sodium and sodium amalgam in the presence of methanol, separating the resultant symmetrical diarylhydrazine from the concomitant mixture of sodium methylate and sodium hydroxide, and returning said mixture of sodium methylate and sodium hydroxide to the first step of the process for reducing the aromatic nitro compound to the azoxy compound.

2,600,001
COTTON ROLL HOLDER
Jack C. Kanter, Norfolk, Va.
Application December 22, 1950, Serial No. 202,190
3 Claims. (Cl. 32—35)



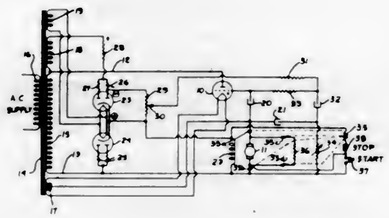
1. A cotton roll holder for dental use, comprising a substantially U-shaped metal member formed with a backward yoke to be located behind the last molar tooth, the said yoke being formed on its outer rear corner with a hinge formation having a pintle, and the said yoke supporting a pair of forwardly extending legs of substantially half cylindrical shape, said legs being substantially parallel and spaced from each other sufficiently to cause the cotton rolls, which they are to carry, to engage the gums on both sides of the teeth, each of said legs having the body of its partially cylindrical portion cut out over the major portion of its area to form an elongated oval rim, and said partially cylindrical portion having a pair of inwardly extending prongs on each of its sides diametrically inward to engage in a cotton roll, the legs being curved upward adjacent said yoke to bring the yoke into the level of the top of the molars, and an upper member carried by a hinge formation on said pintle, and comprising a sheet metal upwardly and forwardly curved supporting arm provided with an upwardly open half cylindrical metal formation for receiving a cotton roll for engaging the upper and outer gum at the molars, the said upper partially cylindrical formation also having an elongated oval cut-out, and being provided with a pair of prongs on each of its sides, engaging in the cotton roll, and means for urging the upper cotton roll into engagement with the upper gum by reacting against the two lower cotton rolls engaging the lower gums.

2,600,002
FISHING EQUIPMENT
Arthur R. Klein, Erieside, Ohio
Application June 23, 1949, Serial No. 100,817
1 Claim. (Cl. 43—43.14)



A sinker comprising a pair of hollow cylindrical elements having semi-spherical ends, each having the same structural characteristics as the other except as to length and as to the adjacent ends thereof, one of said ends being received within the other so that the major portion of the outer surfaces of both elements are in alignment, said elements in such relation being adapted to retain therein one or more weight elements, each of said elements having on a portion of the outer surface thereof grooves, each groove extending substantially throughout the length of the element, one of said elements having its groove extending to a point slightly spaced from the open end of that element and a wire clip member having a diameter corresponding substantially to the diameter of the grooves and having a large central opening corresponding substantially to the length of the combined grooves of both elements when the elements are in an assembled relation, except at the semi-spherical ends thereof, said clip having smaller openings at the ends thereof providing spaces between the inner surfaces of the ends of the clip members and the outer surfaces of the ends of the elements to facilitate the attaching of fishing elements thereto.

2,600,003
THYRATRON CONTROL SYSTEM FOR ELECTRIC MOTORS
Berthold A. Knauth, Bolton, N. Y., and Pao Hsiung Chin, Cranford, N. J., assignors to The Motorspeed Corporation, New York, N. Y.
Application March 1, 1948, Serial No. 12,327
5 Claims. (Cl. 318—345)



2. A thyratron control system for controlling a direct current motor having a field winding comprising a thyratron having an anode, a grid and a cathode, a direct current motor having an armature coupled to the cathode of said thyratron, a source of alternating current connected to said thyratron anode and to said motor armature, means for rectifying said alternating current to supply direct current pulses to the field winding of the motor, a phase shifting network connected to said alternating current supply and to said thyratron grid, a resistor and a capacitor connected in series across said motor armature, means for connecting the grid circuit of said thyratron to the junction between said capacitor and said resistor, a grid resistor connected between said thyratron grid and said phase shifting network and means for applying an alternating voltage across said grid resistor to facilitate control of said motor at low speeds.

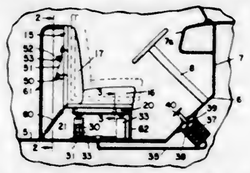
2,600,004
FLUORESCENT OPTICAL BLEACHING AGENTS
Stanley Earl Krahler, Holly Oak Terrace, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 18, 1951, Serial No. 232,243
3 Claims. (Cl. 252—301.2)

1. A compound selected from the group consisting of 4,4' - bis(3 - methoxy - 2 - naphthoylamino) -stilbene-2,2'-disulfonic acid and its water-soluble salts.

3. A fluorescence agent for cellulosic fiber comprising an admixture of about 90 to 50 parts by weight of 4,4'-bis(2,4-dimethoxy-benzoylamino) - stilbene-2,2'-di(sodium-sulfonate) and about 10 to 50 parts by weight of 4,4'-bis(3-methoxy-2-naphthoylamino) - stilbene-2,2' - di(sodium-sulfonate).

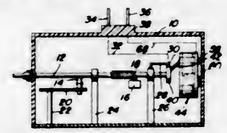
2,600,005
ADJUSTABLE VEHICLE SEAT
Semen Kronhaus and Leopold Zollman, Los Angeles, Calif.
Application December 31, 1948, Serial No. 68,619
7 Claims. (Cl. 155—14)

1. An adjustable vehicle seat device comprising a seat frame, elevator means for raising the frame and means operable in response to vertical



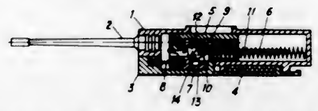
movement of the frame to move the frame horizontally.

2,600,006
FIRE ALARM
Stephen Kuzmich, Jr., Bayonne, N. J., assignor of thirty per cent to John Kuzmich, Bayonne, N. J.
Application September 14, 1949, Serial No. 115,676
3 Claims. (Cl. 177—358)



1. A fire alarm system comprising a shaft, a stop member on said shaft, drive means secured to said shaft, a thermostatically actuated member selectively retaining and releasing said stop member, a contact brush operatively engaging a signal block comprising a front plate of electrically insulative material having a core and annularly spaced sections, a rear plate of electrically conductive material connecting means holding said plates together, resistance elements insertable between said annularly spaced sections in said front plates and extending therebetween, said resistance elements including spaced front and rear conductor plates, selected resistance coils electrically connecting said conductors, electrically insulative top, bottom and side plates secured to said front and rear plates, a conductor connected to said core of said back plate, said conductor being connected in series to a voltmeter and to one terminal of a constant current source of power, said brush being electrically connected to the other terminal of said volt meter and source of power.

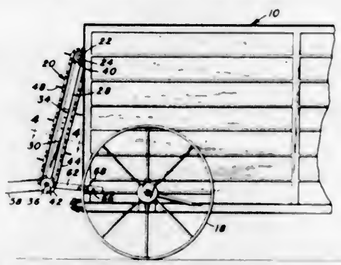
2,600,007
ONE-PIECE BREECH BLOCK FOR AUTOMATIC FIREARMS WITH PIVOTED LOCKING MEMBERS
Hanns Lippert, Zurich, Switzerland, assignor to Verwaltungsgesellschaft der Werkzeugmaschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland, a firm
Application April 11, 1946, Serial No. 661,310
In Switzerland April 21, 1945
3 Claims. (Cl. 89—176)



1. Automatic fire arm comprising a barrel, a breech casing, a one-piece breech block slidable in the casing, a locking member associated with the breech block, and a pre-tensioned energy accumulator operative to move the locking member

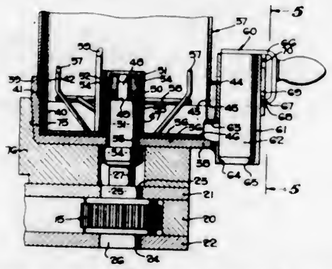
into locking position as the breech block reaches its forward end position, said locking member including a rounded portion and being provided with milled ends, the breech casing having slots within which said milled ends slide and ending in a circular bore within which said rounded portion can rotate when the milled ends clear the slots.

2,600,008
FORAGE UNLOADER
Clarence J. Ludeking, Decorah, Iowa
Application August 12, 1949, Serial No. 109,931
3 Claims. (Cl. 214—83.14)



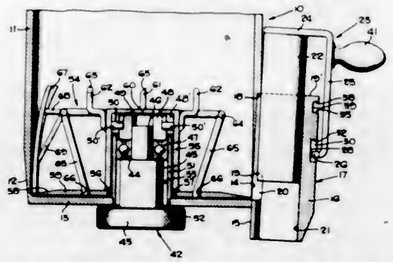
1. A forage distributor comprising a rack having an open end and adapted to contain the material to be distributed, means operatively disposed in said rack for moving the material towards the open end, a frame vertically disposed at the open end and pivotally mounted at its upper end to the rack, a drive shaft rotatably disposed transversely at the lower end of the frame, a second shaft transversely disposed at the upper end of the frame, a pulley on one end of said drive shaft for connection with an outside source of power, aligned sprockets on said drive shaft and second shaft, endless chains driven by said sprockets, toothed bars transversely mounted on said chains and adjustable means carried by the lower end of the frame for detachably securing the same to the rack.

2,600,009
ICE-CREAM WHIPPING MACHINE
Marcellus C. Luterick, Montrose, Calif., assignor to Arden Farms Co., Los Angeles, Calif., a corporation of Delaware
Application December 12, 1949, Serial No. 132,499
3 Claims. (Cl. 259—43)



1. A whipping device for use within a container of an ice cream softening machine, said device comprising a circular disc designed to be rotatably mounted within the bottom of the container and substantially equal in diameter thereto; a horizontal ring of substantially less diameter than said disc and supported thereon in upwardly spaced relation by a plurality of tines secured both to said ring and to said disc, substantial tip portions of said tines being disposed above said ring and approximately parallel with the axis of said container whereby said upper tip portions of said tines engage a body of hard ice cream dropped into said container, when said device is being rapidly rotated, at points spaced substantial distances inwardly from said container wall, whereby the effect of said rotation is to relatively rapidly reduce the solid ice cream to a fluid mass.

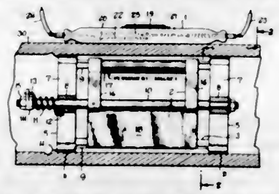
2,600,010
ICE-CREAM AGITATOR OR THE LIKE
Marcellus C. Luterick, Montrose, Calif., assignor to Arden Farms Co., Los Angeles, Calif., a corporation of Delaware
Application July 3, 1950, Serial No. 171,812
2 Claims. (Cl. 259—44)



1. In an agitating device including a container having a bottom, upwardly through which, a central driving spindle extends and within which container solid or semi-solid materials are acted upon to be reduced to fluid state: an agitator formed with a central cylindrical tubular hub telescoping over said driving spindle, means for locking said hub into driving engagement with said spindle, a circular relatively flat and thin disc secured to the lower edge of said hub and lying close to the bottom of the container, a plurality of posts secured to said disc and extending upwardly therefrom, a ring carried by the upper end of said posts, said ring being of substantially greater diameter than the diameter of said agitator hub whereby a basket-like structure will be formed around said hub, and a plurality of upwardly projecting tines carried by said hub above said ring whereby material placed in the container will be reduced to fluid state as the agitator is driven.

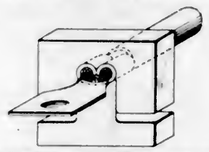
2,600,011
FLUID-FLOW RESPONSIVE ELECTRICAL SWITCH DEVICE
Dennison H. MacDonald, East Haven, and Edgar A. Poe, Milford, Conn., assignors to Revere Corporation of America, Wallingford, Conn., a corporation of Connecticut
Original application February 14, 1950, Serial No. 144,072. Divided and this application January 24, 1951, Serial No. 207,482
10 Claims. (Cl. 200—81.9)

1. A flow-responsive electrical switch device, comprising a conduit; a switch part carried by said conduit and having two companion contacts of which at least one contact is of nonpermanent magnetic material and movable into and out of engagement with the other contact; and a switch-actuator journaled in said conduit for rotation about an axis substantially parallel to that of said conduit, said actuator having a permanent magnet spaced from its rotary axis and moving to and from magnetic coupling relation with said one contact on rotation of said actuator in opposite directions, respectively, as well as a



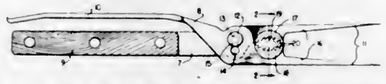
vane generally inclined to the axis of said conduit and adapted to be impinged and angularly displaced by fluid flowing through said conduit at varying rates.

2,600,012
ELECTRICAL CONNECTOR
James C. Macy, Elizabeth, N. J., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa., a corporation of New Jersey
Application December 23, 1946, Serial No. 717,842
7 Claims. (Cl. 173—269)



1. An electrical connection comprising a connector including a ferrule and a stranded conductor extending into said ferrule, one portion of the ferrule surrounding the conductor with integral ears extending from opposite sides thereof curled together face-to-face to close the ferrule and therebeyond within the ferrule forming oppositely directed curls, at least a portion of the strands of said conductor being engaged between the bight between said opposite curls and the bottom of the ferrule.

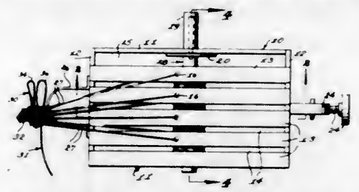
2,600,013
CULINARY FORK AND GRIPPER
Robert Emmett Malone, Canton, Ohio
Application March 8, 1948, Serial No. 13,699
3 Claims. (Cl. 30—137)



1. A culinary fork and gripper comprising a pair of pivotally connected members each having a handle at one end and an impaling prong at the opposite end, and a gripper jaw on each member at the base end of its prong, the impaling prongs extending diagonally from the same side of each member, the jaws providing a gripping socket extending transversely of said members at the side thereof opposite the side from which the impaling prongs extend diagonally.

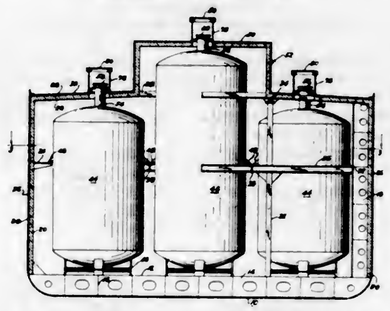
2,600,014
FRINGE FORMING APPARATUS
Gertrudis Manzano, Landisville, N. J.
Application February 14, 1950, Serial No. 144,124
3 Claims. (Cl. 139—33)

1. In a hand loom, a rectangular frame composed of longitudinal sidewalls, endwalls extending between and secured to the ends of the sidewalls, slats extending longitudinally between said endwalls and secured to edges of said endwalls at one side of said frame, said slats being transversely spaced from each other across the frame to define longitudinal slots, said slats



being formed with holes located intermediate their ends and arranged in a transverse row extending crosswise of said frame, a spindle journalled through said sidewalls at a point between said row of holes and one endwall of the frame and spaced from said slats.

2,600,015
STORAGE SYSTEM FOR PRESSURIZED FLUIDS
George F. McLaughlin, Berkeley, Calif.
Application June 2, 1947, Serial No. 751,931
4 Claims. (Cl. 220—88)

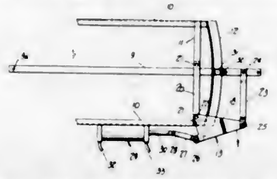


1. A storage system for pressurized fluids comprising at least three tanks spacedly arranged transversely of a laterally enclosed cavity and supported therein, said outer tanks being provided with neck portions extending through planar members forming partial upper closures for said cavity at each side thereof, a housing having vertically disposed side walls extending upwardly from the inner margins of said planar members and having a horizontally disposed roof constituting a central upper closure for said cavity, said intermediate tank having a neck portion extending through the roof of said housing, and a removable closure for each tank at the neck portion thereof, the side walls of said housing serving as anti-damage propagation bulwarks between adjacent tanks.

2,600,016
HYDRAULIC DRAWBAR CONTROL
Titus Miller, Baltic, Ohio, assignor of forty per cent to Davis J. Parker, Parma, Ohio
Application July 27, 1950, Serial No. 176,213
1 Claim. (Cl. 280—33.12)

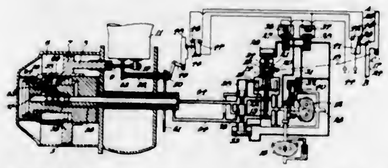
In combination, a tractor having a rearwardly extending pivotal drawbar and drawbar supporting means, comprising a transverse cross bar con-

necting longitudinal frame members and an arcuate member connected to said members, a drawbar control attachment comprising an hydraulic piston and cylinder unit mounted on the tractor and control means for said unit, a substantially triangular body member pivotally connected near one corner to the cross bar, a link connecting the piston with a second corner of the said body member, and a link pivotally connecting the third



corner with the drawbar aforesaid, said drawbar being supported intermediate the pivoted end and the connection of the link therewith, by and beneath the arcuate member for movement therealong, said triangular body member including front and rear portions, the front portion including the first and second corners, the rear portion being offset downwardly from and parallel to said front portion, the said third corner being included in the rear portion aforesaid.

2,600,017
VARIABLE PITCH REVERSIBLE PROPELLER
Edward Hollingworth Morris, Ashtead, Ellis Danvers, Churchdown, Gloucester, and Thomas Edward Godden, Cheltenham, England, assignors to Rotol Limited, Gloucester, England, a British company
Application August 21, 1947, Serial No. 769,894
In Great Britain June 25, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 25, 1966
7 Claims. (Cl. 170—160.2)



1. A variable pitch propeller comprising a hub, at least two blades carried for rotation with the hub and capable of pitch-change movements within a positive and negative pitch range, an hydraulic pitch-change motor, a transmission between the motor and each blade whereby the latter is adjusted by the motor, a mechanical stop to prevent the blades moving into the negative pitch range, an hydraulically-operated means to remove the stop and thereby allow the blades to move into and within the negative pitch range, a pump to supply the motor with fluid under pressure, a constant speed unit automatically to regulate the passage of pressure fluid from the pump to the motor with variations in propeller speed when the blades are in the positive and negative pitch ranges, a valve to reverse the hydraulic connections from the constant speed unit to the pitch change motor, means temporarily to over-ride the constant speed unit to pass pressure fluid to the motor, a manual control to adjust the reversing valve and temporarily to set the over-riding means of the constant speed unit so that the blades are moved to within the negative pitch range and blade-controlled means to reset the over-riding means when the blades are brought within the negative pitch range so that the blade pitch is automatically adjusted by the constant speed unit within the negative pitch range.

2,600,018
PORTLAND CEMENT BASE PAINTS
Clare R. Nelson and Ralph E. Madison, Detroit, Mich., assignors to Truscon Laboratories, Inc., Hamtramck, Mich., a corporation of Michigan
No Drawing. Application March 27, 1950, Serial No. 152,262
6 Claims. (Cl. 106—93)

1. A dry Portland cement base paint composition in powder form containing a small amount of methyl cellulose in powder form.

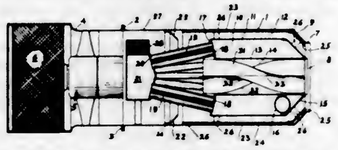
2,600,019
PICKER STICK
David L. Norris, Sr., Greenville, S. C., assignor to Norris Brothers, a corporation of South Carolina
Application March 13, 1951, Serial No. 215,287
10 Claims. (Cl. 139—157)



1. A picker stick comprising a wooden body portion formed with an elongated slot extending downwardly between the edges from the upper end of said stick and a non-metallic resinous reinforcing insert strip disposed within said slot and adhesively secured to the wooden sides, said insert having an upper end portion of increased thickness extending upwardly above the end of said wooden body portion to form the picker-bearing portion of said stick.

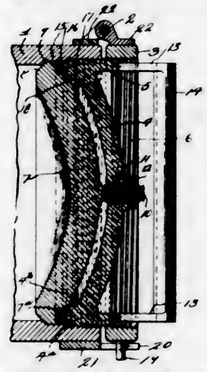
2,600,020
FORCED AIR FLOW AIR-HEATING FURNACE
Herman A. Pietsch, Greentree Borough, Pa., assignor to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 26, 1948, Serial No. 62,138
9 Claims. (Cl. 126—110)

9. In a heating furnace, a cylindrical casing, an annular combustion chamber mounted in said casing with its outer wall spaced from said casing to define an annular heating space and its inner wall defining a cylindrical heating space, said chamber being closed at one end thereof and having an exhaust at the other end thereof providing an exit for products of combustion from said chamber, and fuel supply means arranged tangentially adjacent said closed end for delivering fuel into said chamber in a tangential direction so that the products of combustion will move in a spiral path through said chamber as they travel toward said exhaust, an air control structure comprising air vanes extending outwardly from and connected along an axial line of said



cylindrical heating space for imparting a spiral movement to the air moving through said space, said vanes being effective to absorb heat from said inner wall by radiation, and means for forcing air through said cylindrical and annular heating spaces to absorb heat from the surfaces of said inner and outer walls, and said air control structure.

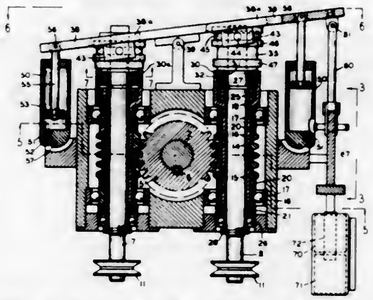
2,600,021
COVER FOR PRESSURE VESSELS
Levi T. Pritchard, Tulsa, Okla., assignor to Dry Ice Converter Corporation, a corporation of Delaware
Application October 21, 1947, Serial No. 781,039
2 Claims. (Cl. 220—30.5)



1. The combination with the open end of a pressure vessel, of a closure for said open end, said closure comprising a hinged carrier ring carried by the vessel in reigstry with said open end, a carrier plate threaded for axial movement through the carrier ring, a pressure plate carried by the carrier plate, expansible sealing means between said plates and adapted to be expanded when the carrier plate is threaded inwardly into the pressure vessel, said carrier plate maintaining its threaded engagement with the carrier ring at all times the thread on the carrier ring being slightly over size in relation to the thread on the carrier plate.

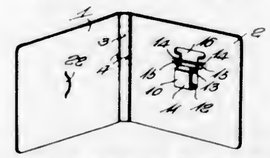
2,600,022
TAPPING MACHINE DRIVE
Daniel H. Prutton, Cleveland, Ohio
Application June 16, 1948, Serial No. 33,393
2 Claims. (Cl. 74—322)

1. Rotation reversing mechanism for a rotatable spindle, said mechanism comprising a ring gear fixedly mounted on said spindle so as to be rotatable therewith, a pair of generally cylindrical parallel sleeves disposed in spaced relationship, one on each side of and adjacent diametrically opposed sides of said gear, a worm fixed on each sleeve in operative engagement with an adjacent portion of said gear whereby rotation of either said worm produces endwise axial motion of said



spindle, a driving shaft freely rotatable with working clearance axially within each said sleeve, a pair of clutches, one clutch on each shaft, each clutch adapted to establish or terminate driving engagement between the shaft and its respective sleeve, driving means operatively engaging each said shaft for producing continuous rotation of both said shafts in the same direction, a rockable lever pivotable at a point between said clutches, and operatively engageable with and effective upon each said clutch whereby rocking movement of said lever to engage one said clutch disengages the other said clutch, the respective worm thread orientations being such that each alternation in clutch engagement produces a reversal of direction of rotational movement of said gear, and consequently of axial movement of said spindle, a solenoid having an armature movable responsive to energization and de-energization of said solenoid, an operating rod linked at one end to said armature and at the other end to said rocking lever, and switch means responsive to contact with said spindle during axial movement of said spindle, and effective upon said solenoid to produce such energization and de-energization.

2,600,023
RECORD ALBUM
Frederick H. Rice, Van Nuys, Calif.
Application December 18, 1950, Serial No. 201,273
4 Claims. (Cl. 206—62)



4. An album for holding record disks comprising front and rear cover leaves movable to opened and closed positions, a strip carried by the rear leaf and having one end connected with the said rear leaf and its other end free, said strip being bent along transverse fold lines and forming an anchoring device projecting from the inner face of the said rear leaf and initially free at the one end, the said free end of the anchoring device being provided with tongues projecting from opposite sides thereof and fitted into pockets formed in the rear cover leaf and firmly securing

the anchoring device, and the front cover leaf being provided with a tongue removably engageable under a portion of the anchoring device and thereby releasably holding the cover leaves closed.

2,600,024
ELASTOMER PRODUCT
Hendrik Romeyn, Jr., Montclair, and John F. Petras, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 4, 1950, Serial No. 159,942
15 Claims. (Cl. 260—45.5)

RUBBERY BUTADIENE-ACRYLONITRILE COPOLYMER HAVING

1. METHYL ETHYL KETONE-INSOLUBLE GEL CONTENT FROM 40 TO 100 %, PREFERABLY FROM 50 TO 75 %

2. SWELLING INDEX OF GEL, MEASURED IN METHYL ETHYL KETONE, FROM 8 TO 35, PREFERABLY FROM 10 TO 25

3. MOONEY VISCOSITY AT 212° F. FROM 40 TO 80, PREFERABLY FROM 45 TO 75

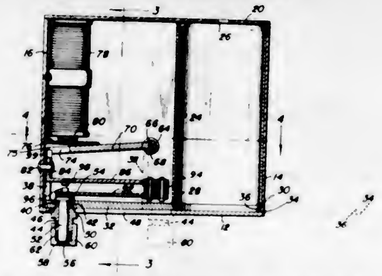
1. A composition of matter comprising a normally elastic rubbery butadiene-acrylonitrile copolymer having a combined acrylonitrile content of from 15 to 45% by weight and having by itself and in the unvulcanized state a methyl ethyl ketone-insoluble gel content of from 40 to 100% by weight, said gel having a swelling index of from 8 to 35 in methyl ethyl ketone and being incapable of conversion to a soluble state by milling, said copolymer having by itself and in the unvulcanized state a Mooney viscosity at 212° F. of from 40 to 80, and a normally inelastic thermoplastic resin selected from the group consisting of polyvinyl chloride, copolymers containing a major proportion of vinyl chloride and a minor proportion of a copolymerizable monomer, and copolymers of a major proportion of a styrene selected from the group consisting of styrene, alpha-methyl styrene, para-methyl styrene, alpha-methyl para-methyl styrene and nuclearly chlorinated styrenes and a minor proportion of acrylonitrile, said thermoplastic resin comprising from 25 to 90% by weight and said rubbery copolymer correspondingly comprising from 75 to 10%, said last-named percentages being based on the sum of the weights of said rubbery copolymer and said resin.

2,600,025
MOUTHPIECE DEVICE
John Sage, Flushing, N. Y.
Application March 9, 1948, Serial No. 13,890
6 Claims. (Cl. 128—136)



4. A dental device adapted to be inserted into the vestibule of an oral cavity and to engage the teeth and gums of a wearer and to be retained in position by pressure between the cheeks and upper and lower gums of the wearer, which device comprises a flexible backing frame including a central continuous web portion and spaced pairs of finger-like projections oppositely extending from the web portion and being substantially coextensive with the upper and lower gums of the wearer, a layer of soft pliable cushioning material mounted on the frame and covering at least one side of the frame that forms the gum-engaging side of the frame when in use, and fastening means for the cushioning layer engaging the backing frame for securing the cushioning layer in position on the backing frame.

2,600,026
ELECTRICAL COIN DISPENSER
Levi Schlabach, Sr., Delaware, Ohio
Application July 14, 1948, Serial No. 38,619
4 Claims. (Cl. 133—5)



1. An electric coin dispenser comprising a casing having a coin compartment, a horizontally disposed flat slide carried by said casing for movement into and out of said casing, said slide having a coin receiving recess for engaging a coin in said compartment upon inward sliding movement of said slide, said slide having a lateral upstanding projection forming a stop for engaging the compartment to limit the outward sliding movement of said slide, a pivotal locking member carried by said casing engageable with said projection to hold said slide against sliding movement, means normally urging said locking member into locking engagement with said projection, an electro-magnet overlying said locking member connected to a source of current for releasing said locking member from said projection, a switch controlling said electro-magnet and overlying said slide, said switch including a fixed conductive member and a movable conductive member, a sleeve secured to the slide, said casing including a lower wall having a slot receiving the sleeve, and means slidably carried by said sleeve and movable laterally of said slide for actuating said conductive members into circuit closing engagement.

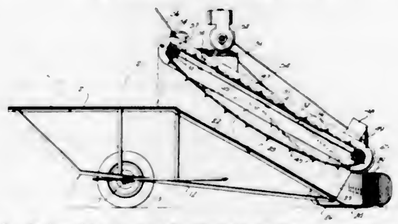
2,600,027
SAW SET
Walter Gray Spain and Henry Clay Simpson, Danville, Va.
Application August 14, 1950, Serial No. 179,268
4 Claims. (Cl. 76—64)

1. A saw setting device comprising a first channel shaped arm having leg portions and a connecting web portion, said web portion having an aperture therein adjacent one end thereof and said leg portions having a pair of opposite recesses therein at opposite sides of said aperture, a second arm extending between said leg portions through said aperture in said first arm, means pivotally connecting said second arm to said leg portions, a first jaw member disposed between the leg portion of said first arm between said recesses, a second jaw member carried by said second arm and registering with said first jaw



member and recesses to press a saw tooth into said recesses against said first jaw member, and a screw carried by said first arm and movable towards and away from the saw engaging face of said first jaw member, said recesses and first jaw member being disposed between said means and said screw.

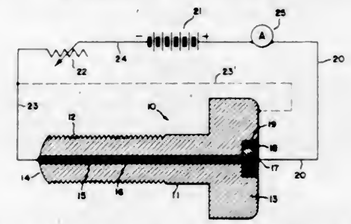
2,600,028
BALE-LOADING MACHINE
Samuel T. Steffen, Fairbury, Ill.
Application May 5, 1950, Serial No. 160,249
2 Claims. (Cl. 198—7)



2. A loader for cylindrical bales comprising a wheeled main frame, an inclined platform carried by said main frame and extending upwardly and rearwardly from the forward end thereof, a transversely extending upwardly concaved scoop member hinged to the forward end of said platform and being substantially in engagement with the ground, a longitudinally extending conveyor frame pivoted at its rear end to said main frame above said platform for swinging movement around a transverse axis, a movable endless conveyor belt carried by said conveyor frame above said platform, spaced outwardly projecting transverse elements carried by said belt, a transversely extending plate secured to said conveyor frame and underlying the upper portion of the conveyor belt, the lower outwardly projecting elements of said belt being cooperable with said platform to roll a bale upwardly on the platform responsive to movement of the belt, the lower portion of the belt being spaced a short distance above the inclined platform, means yieldably supporting the forward end of the conveyor frame above said scoop member,

and means for driving said conveyor belt, said last-named means comprising a platform pivoted to said conveyor frame, a driving motor on said last-named platform, a drive belt connecting the driving means to the conveyor belt, spring means biasing said last-named platform to drive belt-tensioning position, and means for adjusting the spring means to disengage said drive belt.

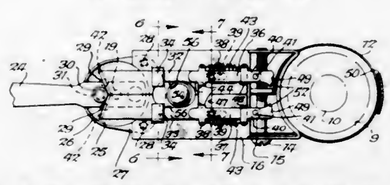
2,600,029
STRESS INDICATING BOLT OR STUD
Albert Rivington Stone, Baltimore, Md., assignor to Gerotor May Corporation, a corporation of Maryland
Application November 12, 1946, Serial No. 709,203
6 Claims. (Cl. 73—88.5)



3. In combination, an elongated, longitudinally-bored bolt or stud, an insulating block fixedly secured to the bolt or stud at one end of said bore, an electrical-current-carrying wire extending through said bore and secured to the bolt at both ends thereof, at least one said end being secured by way of said insulating block, and an electric circuit connected electrically to the ends of said wire and including a source of current supply and an indicating meter.

6. As an article of manufacture, an elongated longitudinally-bored stud or bolt, an electrical current-carrying wire extending through said bore, means insulating said wire from the bore of said bolt or stud, and insulating means securing said wire to the bolt or stud at each end of said bore.

2,600,030
ACTUATING MECHANISM FOR DIRECTION INDICATING SIGNAL FOR MOTOR VEHICLES
Frederick F. Stube, Syracuse, N. Y., assignor to R. E. Dietz Company, Syracuse, N. Y.
Application February 15, 1950, Serial No. 144,247
13 Claims. (Cl. 200—59)



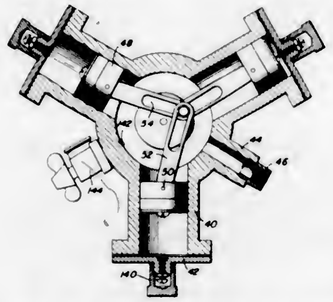
1. A self-cancelling direction indicating signal device for vehicles having a steering column and a rotary steering wheel, said mechanism including a multiple position switch having a movable contact member movable into two circuit-closing positions and into an intermediate open circuit position, a housing enclosing said switch, a handle connected with said movable contact member of the switch and yieldingly held in

either of said circuit-closing positions and in said open-circuit position, means for yieldingly holding said handle in any of said positions, a base mountable on said steering column and on which said switch housing is mounted, a pair of arms slidably mounted on said base, each of said arms having a finger pivoted on one end thereof, a part on said handle mounted to engage the other ends of said arms for moving either of said arms into a projected position in which the finger of said arm engages the steering column, and a part on the steering wheel engageable with either of said fingers when a finger is in projected position, for moving either of said fingers and the arm on which it is mounted into retracted position, said arms when moving into said retracted positions engaging said part on said handle for moving said handle and said movable contact member of said switch into open-circuit position.

2,600,031
CELLULOSE ESTER MANUFACTURE
John Cunningham Thomas, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 4, 1949, Serial No. 74,698
6 Claims. (Cl. 260—229)

4. A process for the preparation of cellulose esters which comprises impregnating cellulose with at least 15%, based on the cellulose, of ammonium thiosulfate and esterifying the resultant impregnated cellulose with acetic anhydride.

2,600,032
LIQUID FUEL METER
Vern A. Tyler, Oklahoma City, Okla.
Application May 26, 1948, Serial No. 29,391
5 Claims. (Cl. 73—247)



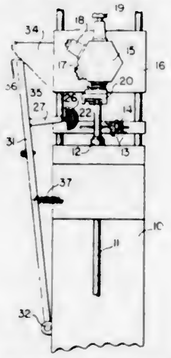
1. A meter comprising a casing, cylinders communicating with said casing, pistons slidable in said cylinders, means for supplying a continuous fluid pressure in said casing and against the underside of said pistons, a fluid delivery line, passage and valve means for cyclically establishing communication between the top side of each piston and with said means and delivery line respectively for charging each cylinder and delivering measured charges therefrom, a crank shaft in said casing, a connecting rod connecting each piston to said crank shaft, each connecting rod having an elongated slot loosely receiving said crankshaft, adjustable stop means carried by each cylinder and operatively engageable by the piston within the associated cylinder for varying the stroke of the piston therein to regulate the quantity of fluid delivered by said piston.

2,600,033
TOY WHEEL AND METHOD OF MAKING
Mercer D. Walklet, Akron, Ohio, assignor to The Hamlin Metal Products Company, Akron, Ohio, a corporation of Ohio
Application April 13, 1948, Serial No. 20,811
3 Claims. (Cl. 152—345)



1. A tired wheel comprising a wheel proper with inner and outer disks joined together and curved near their peripheries to form an annular channel of U-shaped section when joined, annular flanges at the peripheral edges of said channel slanted radially outwardly in directions axially away from the central plane of said wheel, radial flanges at the outer peripheral edges of said slanted flanges, a tire of channel section inverted with respect to said annular channel on said wheel proper and having beads dwelling on said slanted flanges, said beads having annular slots opening inwardly of the tire and directed generally radially of the wheel, and an annular, metal member within said tire having its edges lodged in the slots in the beads, and said member being free of contact with said wheel proper.

2,600,034
METHOD AND APPARATUS FOR APPLYING HEAT IN HOT MACHINING PROCESSES
Richard I. N. Weingart, New York, N. Y.
Application February 8, 1949, Serial No. 75,157
3 Claims. (Cl. 219—1)



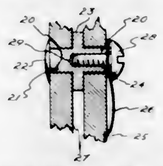
1. The method of machining metal to cylindrical shapes which consists in alternately applying heat to localized portions of the work by the use of a high frequency induction coil to reduce the shear strength of the metal and then retracting said coil and removing portions of the work so heated by the use of an edged cutting tool which cuts with a shearing action, and continuing the cutting until the shear strength of the metal increases to a point wherein a further application of heat is required.

2,600,035
HYDROMETER
Karl Weiss, Melrose Park, Pa.
Application March 15, 1950, Serial No. 149,715
1 Claim. (Cl. 73—33)



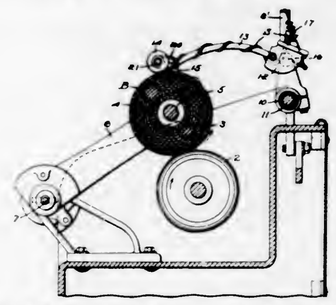
In a glass hydrometer having a cylindrical bulb with a streamlined ballast chamber, an anchoring pin consisting of a solid glass rod with a flattened head at its upper end fused at its lower end into the tip of the ballast chamber; and solid metal ballast in the chamber anchored in place by said pin.

2,600,036
PINKING SHEARS
Alexander W. Wertepny and Rudolph J. Wertepny, Chicago, Ill., assignors of sixty per cent to Stanley A. Wertepny, Edward M. Wertepny, and Benjamin Luscalzo, Chicago, Ill.
Application October 4, 1948, Serial No. 52,736
2 Claims. (Cl. 30—268)



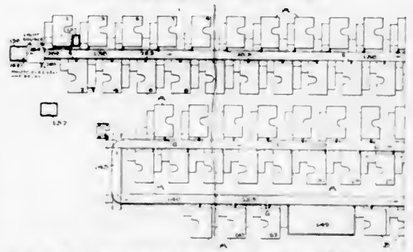
2. In a pinking shears, a pair of blades having inwardly extending flanges formed with cooperating teeth, said blades having spaced mutually facing hub portions, said hub portions having coaxial cylindrical bores, a pivot member having axially spaced cylindrical portions disposed in the respective bores and an intermediate integral annular plate-like flange whose faces extend in parallel planes normal to said axis, said pivot member having an integral head at the outer end of one of said cylindrical portions, said head and one face of said flange being in rivet-tight engagement with the respective outer and inner faces of one of said hub portions so that said pivot member is incapable of movement independent of said one hub portion, the other cylindrical portion being internally threaded, a headed screw engaged in said other cylindrical end portion, and a spring under pressure between the screw head and the outer face of the other hub portion and holding the other face of said flange in rotary bearing engagement with the inner face of said other hub portion.

2,600,037
BALLER
Paul B. West, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application July 29, 1949, Serial No. 107,451
9 Claims. (Cl. 19—158)



1. In a baller, the combination of means for revolving a ball while it is built up by winding sliver on it, a presser foot roll mounted for free rotation and adapted to be rotated by running in contact with said ball, means for pressing the presser foot roll against the ball, and a device for guiding a sliver into contact with said ball where it will be pressed against the ball by said presser foot roll at a point closely adjacent to the initial point of contact of the sliver with the ball.

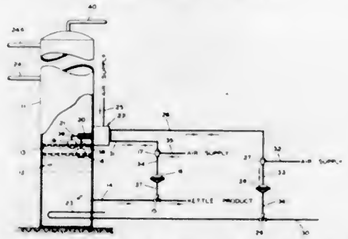
2,600,038
CONVEYER SYSTEM
John W. Whaley, Richmond, Va., assignor to Crawford Manufacturing Co., Inc., Richmond, Va., a corporation of Virginia
Application February 11, 1947, Serial No. 727,797
18 Claims. (Cl. 198—38)



1. In a conveyor system, the combination of an endless traveling conveyor, a plurality of work stations disposed along the side of said endless conveyor to which work containers are conveyed by said endless traveling conveyor, a work container supporting surface for each work station, and means for removing work containers from said conveyor and transferring them to the work supporting surfaces of predetermined work stations, said last mentioned means consisting of a trip at each work station with said trips disposed at different elevations for the sev-

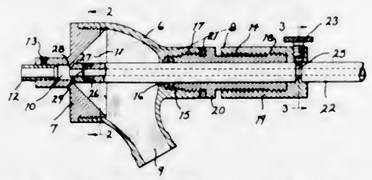
eral stations and a cooperating trip on each container engageable with the trip at a selected work station to bodily swing the container about the work station trip onto said work container supporting platform, the work container trips projecting from the side of the container and being adjustable vertically of the container for determining the station at which the individual container will be removed from the endless traveling conveyor.

2,600,039
DUAL PHASE CONTROL
Thomas H. Whaley, Jr., Mount Vernon, N. Y., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 17, 1947, Serial No. 786,441
7 Claims. (Cl. 137—68)



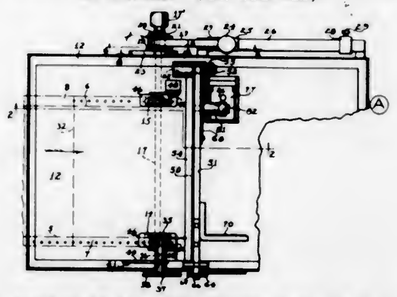
1. A dual liquid level responsive device for indicating the levels of two liquid phases wherein one liquid is of low specific gravity and floats upon the surface of the second liquid of high specific gravity, comprising in combination a first float for floating on the surface of said low specific gravity liquid, a second float for floating on the surface of said high specific gravity liquid, a first arm and shaft for converting vertical movements of said first float to rotary movements, a second arm and shaft for converting vertical movements of said second float to rotary movements, a first indicator attached to said second shaft and disposed to rotate therewith, a second indicator attached to said first shaft and disposed to rotate therewith and to rotate relative to said first indicator, said first indicator being for indicating the level of said second liquid and said second indicator being for indicating the level of said first liquid with respect to the level of said second liquid..

2,600,040
AIR GUN FOR APPLYING PLASTER
John J. Widmayer, Chevy Chase, Md.
Application January 13, 1950, Serial No. 138,410
3 Claims. (Cl. 299—86)



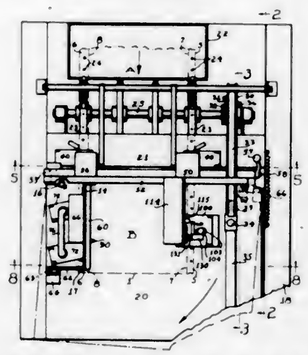
1. An air gun for spraying plaster comprising a hollow body provided with openings, two of which are in axial alignment, a bushing mounted in one of said axial openings provided with a bore, an air-line mounted in the other axial opening, one end of which is engageable with the bore of the bushing, a pair of relatively movable parts one of which is sleeved over and slidably mounted on the air-line, one end of said part being engaged with the housing, external threads on the opposite end of said part, the other of said part being provided with a screw threaded bore of greater length than the extent of the threads on the first part, and means for anchoring the second part to the air-line.

2,600,041
APPARATUS FOR SEVERING AND BURSTING A CONTINUOUS MULTIFORM
Elvin Stanley Wright, Shrewsbury, Mass.
Application July 22, 1949, Serial No. 106,300
13 Claims. (Cl. 164—42)



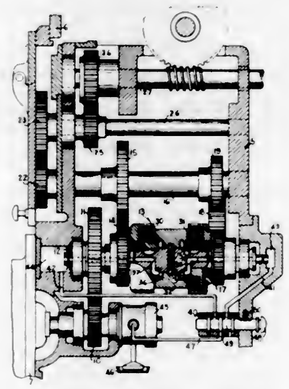
1. Apparatus for separating parts of a continuous multi-form having sets of connected record sheets connected to a marginal strip at a line of weakness and narrow carbons interleaved with the sheets and connected to the strip comprising mechanism having feed members engaging the continuous multi-form for moving it longitudinally to a given position, a clamp engageable with said strip, a clamp engageable with the positioned record sheets outside of the carbons and means for moving the two clamps relatively to burst the multi-form along said line of weakness and draw the carbons from their initial interleaved positions.

2,600,042
APPARATUS FOR BURSTING A CONTINUOUS MULTIFORM SET OF SHEETS
Elvin Stanley Wright, Shrewsbury, Mass.
Application June 23, 1950, Serial No. 169,989
12 Claims. (Cl. 164—84.5)



1. Apparatus for separating parts of a continuous multi-form having sets of connected record sheets interleaved with carbons, a marginal feeding strip and a transverse line of weakness, comprising a machine frame, a releasable clamping device thereon arranged to hold the multi-form immovable relative to the frame, a table pivotally mounted on the frame to swing forward and laterally relative to said clamping device, a clamping device carried by and arranged for securing the multi-form on the table, mechanism on the frame cooperating with said strip for feeding the multi-form progressively over the table into position with the transverse line of weakness between the clamping devices, means for operating both devices and clamping the multi-form, and means for swinging the table relative to the direction of feeding movement to burst the multi-form along said transverse line of weakness.

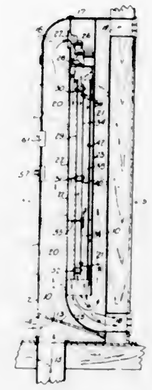
2,600,043
HYDRAULIC CLUTCH MECHANISM
Joseph B. Armitage, Wauwatosa, and Harold L. Heywood, West Allis, Wis.
Application December 8, 1945, Serial No. 633,658
7 Claims. (Cl. 192—87)



1. In a machine tool driving mechanism, the combination with a driving shaft and two driven elements, of two friction clutches carried by said shaft in spaced relation and operatively arranged to selectively connect said shaft to said two driven elements respectively, a hydraulic piston mechanism disposed concentrically with said shaft between said clutches, the piston of said mechanism being slidably mounted on said shaft and operatively connected to engage either the one or the other of said clutches alternatively upon moving in the one or the other direction respectively, means for admitting pressure fluid to the one or the other side of said piston, and means operative to urge said piston to a central neutral position, whereby both clutches will be disengaged when no pressure fluid is applied to said piston.

2,600,044
DOMESTIC ELECTRIC FURNACE
Charles L. Ayers, Puyallup, and Willard M. Murray, Bellingham, Wash.
Application March 18, 1949, Serial No. 82,222
5 Claims. (Cl. 219—39)

1. An electric furnace comprising an outer rectangular container; an inner container mounted in said outer container and secured thereto in spaced relation, thereby dividing said outer container into two passages each said passage extending vertically the length of said inner container, and separated from each other by said inner container, the first said passage being adapted to receive cool air at its base, and the second said passage having open connection with the lower end of said inner container; an



activated fan in said inner container and drawing cool air from the top of the first said passage and discharging it downward into the top end of said inner container; heating elements mounted in said inner container in spaced relation thereto and adapted to heat the air discharged by said fan; and a hot air outlet from the second said passage at a point remote from said fan.

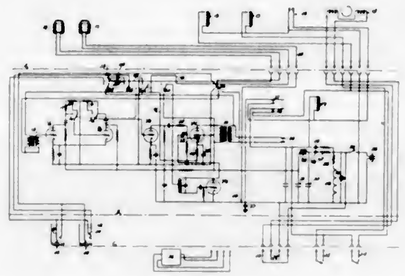
2,600,045
HERBICIDAL COMPOSITION AND METHOD OF WEED CONTROL
René Blondeau and Johannes Van Overbeek, Modesto, and Richard R. Whetstone, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 26, 1950, Serial No. 181,696
6 Claims. (Cl. 71—2.3)

3. A composition of matter comprising a major amount of a hydrocarbon oil having at least a 10% aromatic content, said oil boiling within the range from about 275° F. to about 550° F., and a minor amount of a hydrocarbon substituted phenol in which the hydrocarbon substituent has from 8 to 9 carbon atoms.

2,600,046
DEVICE UTILIZING ERASE HEAD IMPEDANCE TO VARY AMPLIFIER GAIN
Lloyd J. Bobb, Glenside, Pa., assignor to The International Electronics Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 24, 1947, Serial No. 787,645
5 Claims. (Cl. 179—100.2)

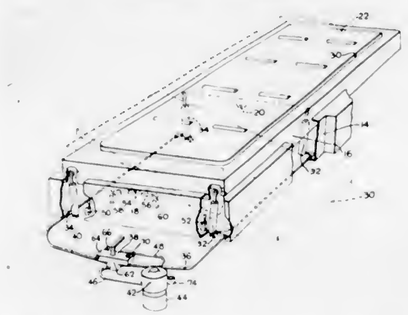
1. In a magnetic recording system, a discharge tube for amplifying signals to be recorded, said tube comprising at least two elements between which a space current flows, an electromagnetic erasing head having a winding in series with a circuit including said two elements and providing a path for a uni-directional component of said space current whereby to provide for the

generation of a uniform magnetic erasing field, and means shunting said winding and providing



a path for the signal component of said space current.

2,600,047
BED LEVELER FOR FUNERAL CARS AND THE LIKE
Elton L. Burnett, Loudonville, Ohio, assignor to The Flexible Company, Loudonville, Ohio, a corporation of Ohio
Application May 27, 1949, Serial No. 95,720
8 Claims. (Cl. 296—16)



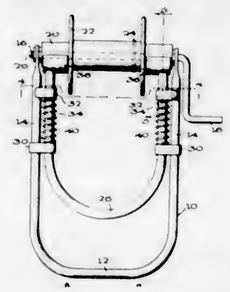
1. A bed leveler for funeral cars and the like comprising a rectangular box-like body floor frame open on the top, a mound received in and substantially filling the opening of the floor frame, spaced means pivotally supporting the mound for leveling movement about a central longitudinal axis, hydraulic cylinders securing opposite sides of the mound in association to the vehicle floor, an electric motor, a hydraulic pump driven by the motor, normally-closed electrically opened valves associated with the hydraulic cylinders for locking the fluid in them when adjusted, a combined hydraulic fluid valve and electric switch for simultaneously opening the electrically opened valves, starting the motor and directing the fluid from the pump to certain hydraulic cylinders and removing it from others to effect a leveling of the mound, mercury switch means for automatically shutting off the motor and opening the flow of current to the electrically opened valves to lock the hydraulic cylinders when the leveling operation is completed, and return switch means for overriding the mercury switch means when the combined valve and switch is moved in the opposite direction, said return switch means stopping the motor and closing the electrically opened valves when the mound is returned to position.

2,600,048
RIBBED CORE FOR STEEL BLADES
Charles B. Conwell, Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 14, 1949, Serial No. 121,317
12 Claims. (Cl. 170—159)



1. In a hollow metal propeller blade, a hollow core member having two major, upper and lower spaced spanwise surfaces, an airfoil shaped cover surrounding said core and secured thereto, said cover and said core being in juxtaposed relation, and means for stiffening said blade comprising at least one spanwise depression in each major surface of said core located intermediate the leading and trailing edges of said core said depressions having a chordwise dimension which is less than the chordwise dimension of the adjacent juxtaposed surfaces of the core and cover.

2,600,049
KITE REEL
Alvin L. Crider, Hot Springs, Ark.
Application July 5, 1950, Serial No. 172,041
7 Claims. (Cl. 242—99)

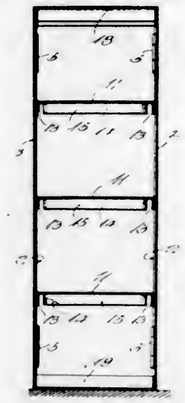


1. A portable reel for kites comprising a handle, a shaft including a crank rotatably mounted in the ends of said handle, a reel having projecting hubs fixed to said shaft, a second handle mounted on said first handle for relative movement with respect thereto, brake shoes fixed to said second handle adjacent said hubs, and means for effecting relative motion of said handles to effect engagement of said brake shoes with said hubs.

2,600,050
COLLAPSIBLE CABINET
Philip L. Du Boff, New York, N. Y., and Thomas H. Dooley, Bayonne, N. J., assignors, by mesne assignments, to Philip L. Du Boff, Scarsdale, N. Y.
Application March 31, 1949, Serial No. 84,656
3 Claims. (Cl. 312—262)

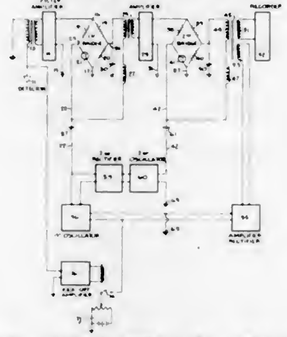
1. A collapsible cabinet comprising a rear wall having forwardly extending flanges along its side edges, side walls hinged on their inner faces to front edges of said flanges and having rear portions extending across outer faces of said flanges and provided along their rear edges with flanges

overlapping side edge portions of the outer face of the rear wall and forming a dust-proof joint,



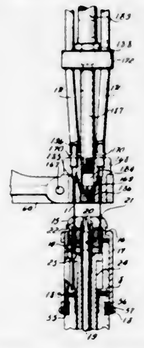
and a door hinged to the front edge of one side wall.

2,600,051
SEISMOGRAPH AMPLIFIER CONTROL
Charles H. Fay and Thorwald J. Tvedt, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 20, 1949, Serial No. 134,006
6 Claims. (Cl. 178—44)



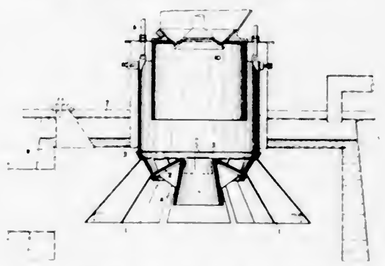
5. A gain control system for seismic amplifiers said system comprising an input transformer, an output transformer, a first normally unbalanced control circuit connected to the input transformer and comprising a first thermal non-linear resistance element in a branch thereof, a second normally unbalanced control circuit comprising a second thermal non-linear resistance element in a branch thereof connected to said first circuit and to said output transformer, rectifier means connected to rectify at least a portion of the output transformer current, the magnitude of said current being a function of the unbalance of said two control circuits, oscillator means connected to have their A. C. output controlled by the D. C. output of said rectifier means, means for passing a portion of the A. C. output of the oscillator means as a heating current through said first thermal non-linear resistance element, thereby changing its resistance value so as to decrease the unbalance of the first control circuit, and means for passing another portion of the A. C. output of the oscillator means as a heating current through said second thermal non-linear resistance element, thereby changing its resistance value so as to decrease the unbalance of the second control circuit, the heating current passed through one of said elements increasing and the heating current passed through the other element decreasing with an increasing intensity of input signals.

2,600,052
PIN UNLOADER
Stanley J. Gartner and Martin G. Hasselman, Emporium, Pa., assignors to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application January 3, 1946, Serial No. 638,861
9 Claims. (Cl. 49—2)



8. A mechanism for withdrawing a pin from a mold, which mechanism includes in combination a fixture adapted to receive said pin, a movable stop supporting said pin in said mold, said fixture having air passages therein directed to effect a stream of air along said pin and in a direction to remove said pin from said mold and means for moving said stop to introduce said pin into said fixture.

2,600,053
CHARGING DEVICE FOR KILNS
Arthur Turner Grisenthwaite and George Henry Irons Cruse, Stockton-on-Tees, England, assignors to The Power-Gas Corporation Limited, Stockton-on-Tees, England, a British company
Application August 6, 1947, Serial No. 766,848
In Great Britain January 26, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires January 26, 1960
10 Claims. (Cl. 214—35)



2. In a charging device for furnaces, a plurality of chutes within the furnace located at or a little above the normal level of the furnace

bed so that fuel delivered to said chutes will be largely initially retained therein and will flow therefrom as combustion in the furnaces proceeds, a charging chamber immediately above said chutes, valve means controlling admission of a charge to said chamber, and means for adjusting the level of said chutes relatively to the furnace.

2,600,054

PROCESS FOR PREPARING ESTERS

Johannes Thomas Hackmann, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 26, 1947, Serial No. 764,027. In the Netherlands November 17, 1943

Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1963
10 Claims. (Cl. 204—158)

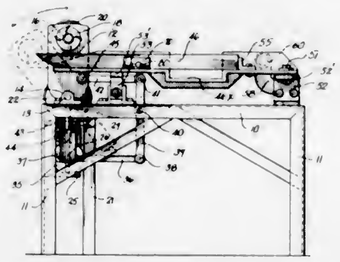
5. The method of preparing a glycol ester, said method comprising forming a solution containing a saturated aliphatic aldehyde and an unsaturated hydrocarbon having at least one olefinic linkage, and introducing oxygen gas into said solution while maintaining the latter at a temperature of between −80° C. and 60° C. until no further absorption of oxygen occurs, the reaction being conducted in the presence of at least one reaction initiator.

2,600,055

PICKET HEADER

Kenneth T. Hansen, Lake Stevens, Wash.

Application June 25, 1949, Serial No. 101,426
6 Claims. (Cl. 144—141)



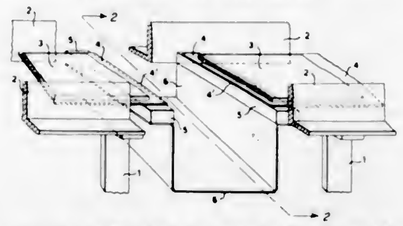
1. A picket heading machine comprising in combination, a main frame structure, a cutter head carrier frame mounted in said frame structure for oscillation on a horizontal axis between an upright starting position and a laterally inclined finishing position, means for oscillating said frame through its arc of travel, a rotatably driven cutter head, mounted by said carrier frame at its swinging end, a picket mounting plate horizontally disposed at one side of the said carrier frame, and extending, therefrom, in the plane of the arc of travel of the cutter head, and pivotally fixed at the end farther away from the cutter head and supported to swing horizontally from a loading position outside of the path of travel of the cutter head, to operating position within the path of travel of the cutter head for heading thereby, and means on the plate against which pickets may be disposed when said plate is in loading position, to determine their finished length and so positioned that by swinging the plate to operating position, may be disposed in the path of travel of the cutter head for heading thereby.

2,600,056

CONVEYER HAVING MEANS TO DISCHARGE REFUSE CARRIED BENEATH THE CONVEYER

Leslie Hess Jones, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware

Application April 5, 1950, Serial No. 154,147
1 Claim. (Cl. 198—230)



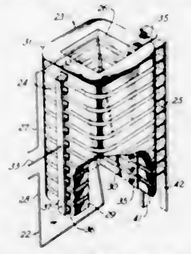
A conveyor adapted for use in finishing flooring units comprising an endless belt, the upper reach of said belt being supported on a plurality of spaced sections of metal plate and a single receiver extending laterally of and completely beneath said upper reach of said belt between said spaced sections of metal plate, said receiver being formed in the shape of a trough having the bottom thereof sloping in a single plane laterally of the longitudinal extension of the conveyor, and having the side walls of said trough of a height such that the upper end of the sloping bottom of the trough is spaced a substantial distance below the top of said trough.

2,600,057

HIGH-VOLTAGE MULTIPLE CORE TRANSFORMER

Quentin A. Kerns, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application May 18, 1949, Serial No. 94,047
4 Claims. (Cl. 175—356)



3. A high voltage pulse transformer comprising a plurality of toroidal magnetic cores disposed in superposed and spaced relation, a core primary winding surrounding a radial cross section of each core, a plurality of spaced insulating rings disposed in the spaces between the respective cores, a conductor interconnecting said cores, a pair of spaced conductors interconnecting the corresponding terminals of each of said core primary windings in parallel, a secondary winding having a pair of conductors connected to opposite terminal cores respectively of said core-ring assembly and extending outwardly in opposite directions through the center of said terminal cores, thence as a bight about the end portion of said terminal cores to external electrical terminals.

2,600,058

LUBRICANT CONTAINING SOAP OF PHOSPHATED HYDROXY FATTY ACID OR GLYCERIDE

Edwin C. Knowles, Glenham, Oney P. Puryear, Fishkill, and George W. Eckert, Glenham, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application March 9, 1949, Serial No. 80,574
11 Claims. (Cl. 252—32.5)

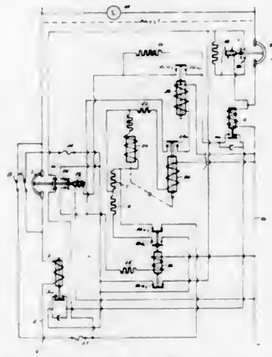
1. A lubricating grease comprising an oleaginous liquid lubricating base containing in excess of 5% and up to 45% by weight based on the grease of a metal soap of a phosphated soap-forming material selected from the group consisting of a phosphated soap-forming hydroxy fatty acid and a phosphated soap-forming hydroxy fatty acid glyceride sufficient to thicken said lubricating base to a gel-like consistency.

2,600,059

TWO WIRE LOAD MEASURING SYSTEM

Ralph G. Lockett, Narbeth, Pa., assignor to ITE Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 28, 1948, Serial No. 4,833
2 Claims. (Cl. 175—294)



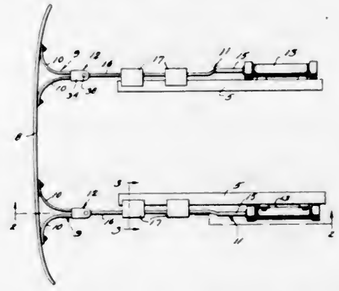
1. In an ungrounded direct current system having a first conductor and a return conductor, and load measuring relays and resistors; a first reclosing circuit breaker having engaging contacts connected in series in said first conductor an auxiliary contact on said circuit breaker closed when said first circuit breaker is closed and open when said first circuit breaker is open, a first reclosing magnet for said first circuit breaker operative when energized for reclosing and holding closed said contacts of said first circuit breaker, and operative when deenergized for effecting disengagement of said contacts of said first circuit breaker, a first trip magnet means for said first circuit breaker responsive to a fault current in said first circuit breaker to effect deenergization of said first reclosing magnet; a second reclosing circuit breaker having engaging contacts connected in series in said return conductor, a second reclosing magnet for said second circuit breaker operative, when energized, for reclosing and holding closed said contacts of said second circuit breaker and operative when deenergized, for effecting disengagement of said contacts of said second circuit breaker said auxiliary contact providing an energizing circuit for said second reclosing magnet when said first circuit breaker is closed and opening said energizing circuit when said first circuit breaker is opened, a second trip magnet, said second trip magnet being connected in series in said return conductor and including means responsive to a fault current in said second circuit breaker for opening the energizing circuit of said first reclosing magnet to effect de-energization of said first reclosing magnet, a relay, a time delay contact on said first circuit breaker which closes an energizing circuit for said relay a predetermined time after said first circuit breaker opens, circuit means controlled by said energized relay for completing a second energizing circuit for said second reclosing magnet, circuit connections including said load measuring resistors and relays operative following the closing of said second circuit breaker for testing the fault condition of said direct current system while said first circuit breaker is in the contact disengaged position and relay means operative in the event said fault on test is found to have been cleared for energizing said first reclosing magnet to reclose said first circuit breaker; said first and second circuit breakers providing isolation for line to line and double line to ground faults.

2,600,060

BUMPER FOR MOTOR VEHICLES

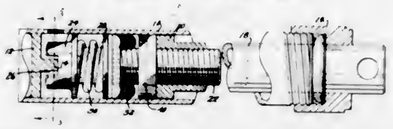
Antonio Augusto Lopes and Americo Marmo, Sao Paulo, Brazil

Application October 26, 1948, Serial No. 56,528
In Brazil November 3, 1947
2 Claims. (Cl. 293—85)



1. In a bumper for a motor vehicle, said bumper being adapted for attachment to the longitudinal sills, having upper and lower faces, of the chassis of said vehicle, the combination of an impact member extending crosswise of the chassis, and a shock absorber mounting carried by each sill, each of said mountings comprising a shock absorbing device, a normally substantially straight imperforate leaf spring extending longitudinally of the adjacent sill and having one of its end portions acting upon said shock absorbing device and its other end portion operatively connected with said impact member, and brace means for said leaf spring comprising a plurality of spaced-apart flanged rollers with said leaf spring riding along said rollers and within the spaces between said flanges, pivots for said rollers and a housing for said rollers said housing being open at both ends, and comprising an embracing plate, provided with bearings for like ends of said pivots, and flanges, said flanges being secured to said upper and lower faces of said sills.

2,600,061
DEVICE FOR EXPANDING PISTON PACKING
Perley P. Lord, South Lancaster, Mass.
Application December 27, 1949, Serial No. 135,092
1 Claim. (Cl. 309—34)



A hydraulic cylinder and piston device comprising a cylinder, means closing an end thereof, a tongue disposed diametrically of the cylinder interior thereof and located on said cylinder end closing means, a piston rod in the cylinder and extending outwardly thereof at the other end of the cylinder, said rod being hollow and internally threaded at its inner end, a threaded member in the cylinder and meshed with the threads on the piston rod, said member having a slot facing the closed end of the cylinder and adapted to receive the tongue to rotatively fix the threaded member, the piston rod being rotatable, means forming a piston on the threaded member, said piston comprising a washer on the threaded member and movable axially thereof, expansible packing on the threaded member, a coil spring about the threaded member, and a second washer on which the spring bears, the packing being between the washers, the normal range of reciprocation of the piston being free of the tongue, the latter and slot being engageable by manually forcing the piston past its normal limit to rotatively fix the threaded member, and the piston rod being rotatable to force the first-named washer closer to the second washer to expand the packing.

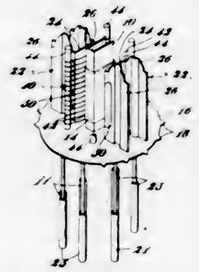
2,600,062
VENETIAN BLIND BOTTOM BAR ORGANIZATION
Hans K. Lorentzen, Florham Park, N. J., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application December 6, 1950, Serial No. 199,484
11 Claims. (Cl. 160—178)



1. A Venetian blind bottom bar assembly, comprising: a bottom bar channel, a cover closing the open side of the channel and provided with holes for receiving the ends of the lift cords of a blind, and a lift cord anchor located within the channel beneath each lift cord hole and displaceable lengthwise of the channel, the anchor being formed of a plate having an opening registrable with the lift cord hole for admitting the terminal enlargement of a lift cord and merging into a smaller opening to retain the lift cord registrable with the lift cord hole of the cover upon displacement of the anchor.

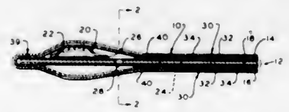
2,600,063
VISUAL ELECTRON FLOW INDICATOR
Leon S. Maloof, Watertown, Mass.
Application February 20, 1951, Serial No. 211,904
6 Claims. (Cl. 313—108)

1. An electron discharge device of the type having a transparent enclosing envelope, a cathode having a heated surface for emitting electrons, an anode having a surface substantially parallel to the cathode and spaced at a distance therefrom, means connecting the cathode and the anode to the negative and positive terminals respectively of a direct potential source thereby to cause a flow of electrons between the surfaces,



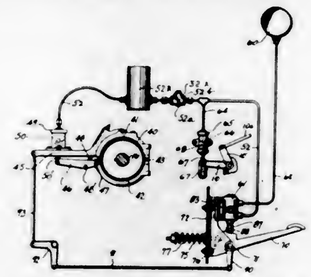
a control electrode having a plurality of conductors interposed between the surfaces transversely to the direction of the flow of electrons, and a spot of a phosphor on the anode, said spot being visible externally the envelope, said spot being located in the path of the fringe flow of the electrons through the control electrode and shielded from the heat of said cathode.

2,600,064
PHOTOGRAPHIC ELEMENT CONTAINING A PROCESSING LIQUID
William J. McCune, Jr., Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application October 9, 1948, Serial No. 53,632
12 Claims. (Cl. 250—68)



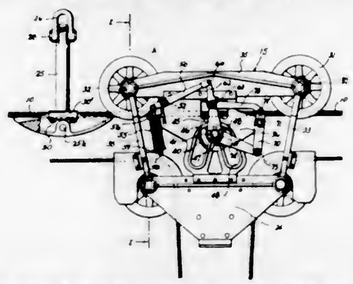
9. A photographic product comprising a photosensitive assembly which includes a first photosensitive layer, a base supporting said first photosensitive layer on one side thereof and a second photosensitive layer supported on the other side of said base, said first and second photosensitive layers having aligned predetermined areas adapted to receive image-forming actinic radiation; a liquid-carrying container having a predetermined quantity of liquid processing agent, said container having a discharge mouth adjacent an edge of said predetermined areas; means providing a passage for said liquid processing agent from said one side of said photosensitive assembly to said other side of said photosensitive assembly; a backing layer arranged to assist in spreading said liquid processing agent across said first photosensitive layer, and a second backing layer arranged to assist in spreading said liquid processing agent across the second photosensitive layer, said two backing layers being at least coextensive in area with said aligned predetermined areas, the adjacent surfaces of each photosensitive layer and its respective backing layer being separable so that liquid discharged from said container may pass between each said photosensitive layer and its respective backing layer.

2,600,065
POWER TRANSMISSION MECHANISM
Sidney S. McIntyre, Sedro-Woolley, Wash.
Application November 19, 1945, Serial No. 629,496
12 Claims. (Cl. 192—.09)



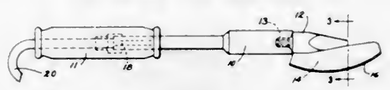
1. In combination, an engine that is operable at working and idling speeds, a throttling lever for the engine and an engine driven shaft, a hoist driving shaft, a unitary speed changing transmission mechanism comprising a secondary shaft positively geared to the hoist driving shaft, a primary shaft and change speed gears connecting the primary shaft with the secondary shaft, a hydraulic coupling connecting the engine shaft and the primary shaft of the said speed changing transmission mechanism, a braking mechanism for the said primary shaft, a fluid motor for moving the throttling lever from working to idling position, a fluid motor for actuating the braking mchanism, a source of fluid pressure medium, a pressure line connecting the said source and said motors and a manually controlled valve interposed in the line for controlling the application of pressure medium to the motors.

2,600,066
OPEN SIDE CABLE CARRIAGE
Sidney S. McIntyre, Sedro Woolley, Wash.
Application November 3, 1950, Serial No. 193,854
10 Claims. (Cl. 212—122)



1. A carriage designed for travel on a trackway that is supported upon hanger shoes; said carriage comprising a frame, wheels mounted in the frame in tandem, for guided travel on the trackway, a retaining member, a mounting member therefor, a seat in the frame upon which the said mounting member is normally disposed to positively hold the said retaining member against the under side of the cable between the grooved wheels to prevent their displacement from the cable, and from which seat said mounting member is displaceable by contact of the retaining member with a hanger shoe for movement of the shoe away from the cable, and a resilient supporting mechanism for the said mounting member operable to restore it to the seat and the restraining member to functional position after passing each shoe.

2,600,067
CUTTING DEVICE
Yervant E. Merodian, Boston, Mass.
Application January 13, 1950, Serial No. 138,414
2 Claims. (Cl. 30—314)



1. A cutting device comprising a shank, a head tapering in thickness towards its front and attached to said shank and adapted to be heated, and a cutting blade carried by and extending alongside said head and embodying a cutting edge, said cutting blade and edge extending in part alongside and in part beyond said head.

2,600,068
DEVICE FOR REMOVING INDIVIDUAL SHEETS FROM A STACK
Otto B. Meyers, Quakertown, Pa., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application February 19, 1949, Serial No. 77,304
4 Claims. (Cl. 294—1)



1. A pickup device for removing individual sheets from a stack of sheets comprising a head, a delivery roll of pressure sensitive adhesive tape mounted thereon, a foot member supported by the head, a shaft carried by said foot member, a rewind roll mounted on the shaft on which said tape is rewound from the delivery roll with the adhesive face of the tape on the outside thereof, means mounting said foot member for movement toward and from the head, a spring resisting the movement of the foot member toward the head whereby when the exposed face of the pressure sensitive adhesive tape is pressed against said sheet to be lifted the head is retracted slightly, a ratchet on said shaft and a pawl carried by the head and engaging said ratchet and operative to turn the ratchet and the shaft an increment at each operative movement of the foot member.

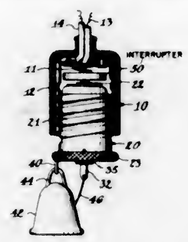
2,600,069
FOOD PACKAGE
Willard L. Morrison, Lake Forest, Ill.
Application June 25, 1949, Serial No. 101,454
1 Claim. (Cl. 99—171)

A package for the shipment and storage of food and the like comprising a plurality of separate rectangular metallic foil covered bodies, the metallic foil being sealed along opposed adjacent edges at points far removed from the package and then folded down against the package so that

each package comprises a longitudinal folded seam and a transverse folded seam at each end, said packages being assembled side by side and end to end, the folded seams on one package lying adjacent the folded seam on the other package whereby the space between end abutting packages equals only the thickness of the folded seam of a single package, a one-piece foil wrapper enclosing all of the assembled first-named packages, the wrapper having its abutting edges sealed along a line removed from the final contour of the package and being then folded against the package along one side and both ends thereof.



2,600,070
DEMOUNTABLE ELECTRIC AUDIBLE DEVICE
Edwin J. Nicorvo, Morgan, N. J.
Application May 8, 1950, Serial No. 160,728
4 Claims. (Cl. 177—7)



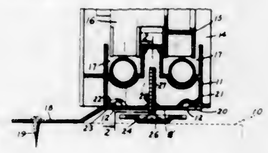
2. A device comprising a screw base having a pair of contacts and adapted to be inserted in and coupled to an electric screw socket, a bell element pivotally supported by said base, a striker element therefor, a solenoid winding supported by said base and electrically connected to said contacts, and means for moving one of said elements with respect to the other upon energization of said winding.

2,600,071
MACHINE FOR BINDING WREATHS
Hans Ludvig Nielsen, Copenhagen, Denmark
Application June 14, 1950, Serial No. 167,964
In Denmark March 18, 1944
7 Claims. (Cl. 41—3)

7. In a machine for producing straw rings, a table, an arm having a substantially funnel shaped notch extending from one side thereof movably arranged relatively to the top surface of said table, means to keep said arm in position with said notch adjacent the surface of said table, means operable to raise said arm to a position, in which said notch is spaced from said table surface, an aperture in said table surface adjacent said arm at the narrow funnel opening side thereof and extending in both directions from said narrow funnel opening, a ring rotatably mounted thru said aperture having its center of rotation substantially in alignment with said funnel opening and carrying thereon a wire reservoir, a portion of said ring hingedly connected to the other portion thereof, locking means adapted to lock said two ring portions, substantially circular guiding members detachably mounted on the top surface of said table and extending to form an annular guiding channel substantially from said narrow funnel opening to said wide funnel opening and power means for imparting a continuous rotation movement to said ring.

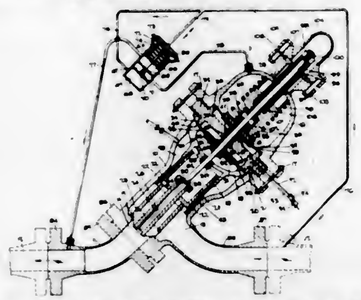


2,600,072
COMBINED WINDOW JAMB ANCHOR AND ADJUSTER
Edmund Peremi, Bayside, N. Y., assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y., a corporation of New York
Application May 20, 1947, Serial No. 749,243
4 Claims. (Cl. 189—73)



1. In combination, an anchor and adjuster for a metallic window frame having a substantially flat body portion, a pair of spaced ears arranged at one edge of said body portion and substantially in the plane thereof, an intermediate ear arranged at said edge between the first mentioned ears and spaced therefrom and offset from the plane of said first mentioned ears, an additional ear arranged at the opposite edge of the body portion and offset from the plane thereof, an extension of lesser width than said body portion projecting therefrom adjacent to said last mentioned ear and having a portion offset from the plane of said body portion and in a plane substantially parallel with the plane of said body portion, and an adjusting screw mounted in said body portion and extending substantially normal thereto.

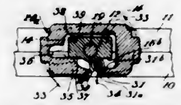
2,600,073
PRESSURE REGULATOR
Norris Plank, East Chicago, Ind., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 24, 1949, Serial No. 72,308
3 Claims. (Cl. 137—153)



1. In a pipe line pressure regulator a main valve housing, diaphragm means dividing said housing into two chambers, conduit means in communication between the first chamber and the pipe line upstream and downstream of the valve housing for supplying to and draining from said first chamber pressure fluid from the pipe line, pressure responsive valve means in said conduit means, inlet and outlet means connecting the second chamber to the upstream and downstream portions of the pipe line respectively, a valve member in said second chamber adapted to close the outlet means, piston means in said second chamber coaxially spaced from said diaphragm means, said piston means being rigidly connected to said valve member for reciprocating said valve member with regard to the outlet means, one side of said piston means being directly exposed to the upstream pressure of the pipe line, passage means within said second chamber for admitting the upstream pressure at all times to the space between said diaphragm means and the other side of said piston means, channel means through said valve member in communication between said space and the downstream portion of the pipe line, and auxiliary valve means controlling the flow through said channel means in said valve member and movable therewith, said auxiliary valve means being actuated by said diaphragm means to control the fluid flow through said channel means, said diaphragm means comprising two spaced diaphragms, rigid plate means parallel to said diaphragm dividing the space therebetween into two fluidtight chambers adapted to contain a pressure fluid, orifice means through said plate means in communication between said fluidtight chambers, and valve means for closing said orifice means when the diaphragms are subjected to high pressure surges.

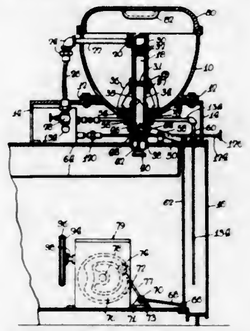
2,600,074
LOCK FOR HANDBAG FRAME MEMBERS
Friedrich Pohlig, Tobyhanna, Pa.
Application March 18, 1950, Serial No. 150,489
1 Claim. (Cl. 292—128)

For use with a pair of complementary frame members of a handbag, fastening means for said frame members comprising a supporting member adapted to be mounted on one of the frame members and having a platform overlying said frame member, a cap rotatably mounted on the platform and having a recessed bottom portion defining a skirt, said skirt rotatably encompassing the peripheral edges of the platform and being adapted to abut said edges to limit the rotation of the cap in one direction and prevent rotation thereof in an opposite direction, said skirt having one wall thereof formed with an opening to define a pair of arms, one of said arms being slightly hook shaped and having a free end engageable at its inner surface with an abutment adapted to be disposed on the other of said frame members, the outer surface of the end defining a cam



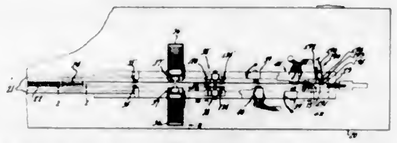
engageable with the abutment to rotate the cap against the urgement of the spring as the frame members are brought together, the abutment riding over the cam surface and being engaged by the inner surface of the end of said arm, and an arcuate protuberance formed on the edge of the platform confronting the arms, said protuberance being positioned on the edge so that it clampingly engages the abutment with the arm at a point below a line drawn diametrically through the center of the protuberance and transversely of the cap.

2,600,075
AUTOMATIC DOUGHNUT FORMER
Ernest J. Roth, Rockleigh, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1947, Serial No. 787,087
3 Claims. (Cl. 107—14)



1. In an extrusion machine having a dough hopper including an inner sleeve defining a dough dispensing chamber having an inlet and an outlet through which the dough may be admitted and discharged, an axial cutter mounted slidably on said sleeve defining a valve for controlling alternately the opening and closing of said inlet, means for operating said cutter, and, in combination therewith, a pneumatic pumping system including a pump having a vacuum port and a pressure port alternately connected with said sleeve, a four-way valve having a pressure port, a vacuum port, an intake port and an exhaust port, a valve shifter, and means for operating said valve shifter whereby when the vacuum port of said pump is connected with said sleeve its pressure port is connected with said valve exhaust port and when the pressure port of said pump is connected with said sleeve its vacuum port is connected with said valve exhaust port.

2,600,076
AUTOMATIC ELECTRODE STRUCTURE ASSEMBLING MEANS
Thomas H. Schelling, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1950, Serial No. 165,041
14 Claims. (Cl. 219—4)

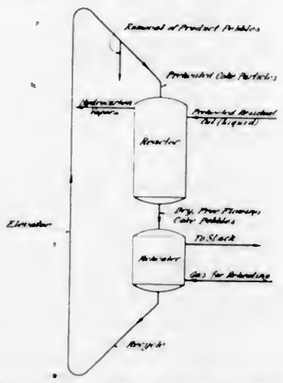


2. Apparatus for automatically assembling an electron gun having a plurality of members with ears joined by elongated insulating rods, comprising, in combination, carrier means including a carrier having a compartment for each of said members and carrying the same with the ears thereof alined and extending outwardly of the carrier, means actuated by said carrier means for feeding rods to said outwardly extending ears, means for alining said rods, and means actuated by said carrier for welding said ears around said rods.

2,600,077
THIOSEMICARBAZONES
Hans Schmidt, Wuppertal-Vohwinkel, and Robert Behnisch and Fritz Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Schenley Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 17, 1949, Serial No. 128,023. In Germany October 5, 1948
14 Claims. (Cl. 260—552)

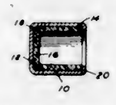
2. A thiosemicarbazone of di-(formyl)-benzene.

2,600,078
HEAT TRANSFER PEBBLE
August H. Schutte, Hastings-on-Hudson, and Vernon O. Bowles, Rye, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application August 25, 1948, Serial No. 46,168
6 Claims. (Cl. 202—14)



1. The process of making hard, refractory coke pebbles of predetermined size, which comprises successively applying a plurality of coatings of heated heavy hydrocarbons in liquid phase to nucleus particles of low volatile coke of approximate range of from about one-sixteenth to about one inch heated to in the range of 850° to 1100° F. passing downwardly through a reaction space as a continuously moving gravity packed bed, maintaining the coated particles of said bed in the reaction space until the coatings are converted into dry-non-agglomerating coke layers on the particles, removing the particles having dry coke layers from the reaction space, reheating the said removed particles without burning, and repeating the application of coatings in the reaction space and the reheating of the particles in the same manner until the nucleus particles are saturated and the coatings have grown to a predetermined size of about one-quarter to about one and one-half inches in major dimension and the pebbles have become impervious.

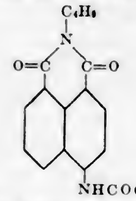
2,600,079
HARDENED SELF-LUBRICATING RADIAL AND THRUST BEARING
Samuel McCarl Scully, Pleasant Ridge, Mich., assignor to O. & S. Bearing Company, Detroit, Mich., a corporation of Michigan
Application September 26, 1946, Serial No. 699,435
2 Claims. (Cl. 308—237)



1. A self-lubricating bearing of the oscillating type comprising a tube of fibrous material impregnated with a lubricant and having inner and outer surfaces one of which is subject to bearing motion, said tube being precompressed axially to retain its size under no load at said one surface, an end thrust bearing comprising a disc of fibrous material impregnated with a lubricant and a rigid annular retainer surrounding the edge of the disc to prevent fraying, said disc being positioned co-axially with and at one end of said tube whereby said retainer bears against the end of the tube, and a shell retainer enclosing said annular retainer, the outside of said tube, and a portion of the other end of said tube, to retain the tube under axial compression against said annular retainer.

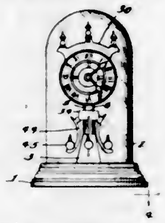
2,600,080
4-ACETYLAMINO-N-n-BUTYL-1,8-NAPHTHALIMIDE
Marvin O. Shrader, Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 5, 1946, Serial No. 714,149
1 Claim. (Cl. 260—281)

The compound of the following formula:



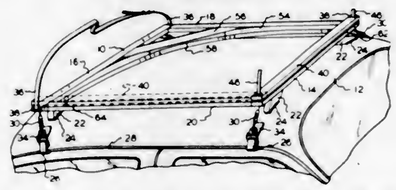
said compound being capable of imparting a bluish fluorescence when dissolved in an organic medium.

2,600,081
CLOCK
Gordon R. Smyth, Chicago, Ill., assignor to Haddon Products, Inc., a corporation of Illinois
Application December 4, 1951, Serial No. 259,821
11 Claims. (Cl. 58—2)



1. In a clock, a support, two parallel shafts rising from the support, motor-driven means below the support having driving connections with the shafts to rotate the same, a stationary dial mounted on the upper ends of the shafts, two spindles, one within the other, extending through said dial transversely to the plane of the shafts, minute and hour hands on the spindles in front of the dial, and driving connections between the shafts and the spindles to cause the hands to move as in a conventional clock.

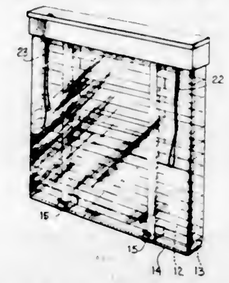
2,600,082
BOATLOADING DEVICE FOR AUTOMOBILE TOPS
Ardie H. Sumner, Jackson, Mich.; Birdie V. Sumner administratrix of said Ardie H. Sumner, deceased
Application January 16, 1948, Serial No. 2,567
7 Claims. (Cl. 224—42.1)



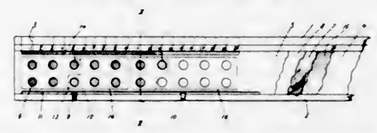
1. A car top carrier comprising a frame, means supporting said frame on top of an automobile, means for holding said frame in a selected position on top of an automobile, a loading arm pivotally mounted relative to said frame for movement about a vertical axis, supporting means associated with said frame and acted upon by said loading arm, and load retaining means associated with said frame to hold a load on said frame.

2,600,083
TRANSPARENT FLEXIBLE VENETIAN BLIND ENCLOSURE
Roy Sutz, Chicago, Ill.
Application June 17, 1949, Serial No. 99,778
1 Claim. (Cl. 160—34)

An enclosure for a Venetian blind having a tiltable bar and a bottom rail together with means for raising said bottom rail relative to the tiltable bar, comprising a transparent flexible envelope of box-like formation having an upper portion providing an open top and of a length to enclose the blind when in an extended condition, means at the open top of the envelope for detachably connecting the upper portion thereof to the tiltable bar, and means for detachably connecting the bottom portion of the envelope to the enclosed bottom rail to afford cooperating tiltable connection to said bottom rail when said Venetian blind is tilted and to effect an accordion formation of the envelope when said Venetian blind is in a raised condition, said last-named means comprising one or more spring clips.



2,600,084
INSTRUCTIONAL DEVICE FOR CALCULATING
Sven Hjalmar Svensson, Alingsas, Sweden
Application May 20, 1950, Serial No. 163,109
In Sweden March 8, 1947
2 Claims. (Cl. 35—31)



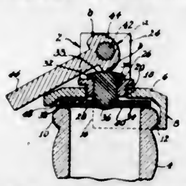
1. A device for instructing adding and subtracting comprising two spaced-apart superposed plates secured to one another, the upper of said plates being provided with apertures, two additional superposed plates disposed between the first-mentioned two plates, said additional plates being slidable relative to each other as well as relative to the two first-mentioned plates and having surface appearances differing from each other and being adapted upon slidably moving to expose the subjacent plate to view through varying numbers of said apertures, and the lower of the two first-mentioned plates having a surface appearance different from that of the other plates, so that upon slidably moving the intermediate plates relative to each other and relative to the two first-mentioned plates the apertures through which the subjacent plates are exposed to view are divided into two groups having appearances differing from each other, the plates being provided with a scale for reading the sum of the apertures of the two groups.

2,600,085
TREATMENT OF WINES AND LIKE MATERIALS FOR THEIR CLARIFICATION
John C. van Dyk, Bernardsville, N. J., assignor to The Product Developers, Inc., Bernardsville, N. J., a corporation of New Jersey
No Drawing. Application October 7, 1947, Serial No. 778,468
4 Claims. (Cl. 99—35)

1. A method of treating wine for clarification which comprises, analyzing the wine to determine

the tartrate content thereof, forming a mixture comprising a filter aid and a cation exchange material, said cation exchange material being present in sufficient quantity to replace the potassium ions by hydrogen ions in that portion of the tartrate which is in excess of the tartrate needed to buffer the tartaric acid content of the wine, introducing the predetermined quantity of said mixture into the wine, converting a substantial portion of the potassium tartrate present in the wine to tartaric acid while making no substantial change in the pH value of the wine and thereafter filtering the wine to remove the precipitates and ash content therefrom.

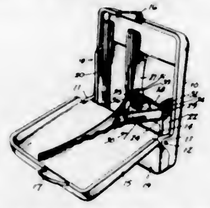
2,600,086
CONTAINER CLOSURE
Frederick A. Vastano, Glen Rock, N. J., assignor of one-half to Alfred W. Vibber, Ridgewood, N. J.
Application January 21, 1949, Serial No. 71,980
2 Claims. (Cl. 215—87)



2. A cap for a bottle having a neck, an opening at the top of the neck, and a bead encircling the neck, comprising a main body having two major portions, the first, bottom, portion being adapted to overlie the upper end of the bottle neck, a depending skirt on such first portion having bead engaging means thereon, the first portion having a vertical axial threaded opening therein, the second, top, portion having a lower threaded end adjustably screwed into the opening in the first portion, a vertical axial bore through the second portion, a plunger reciprocably mounted in the bore in the second portion, said plunger having an upper and a lower end, means to seal the opening in the bottle mounted on the lower end of the plunger, spaced vertically extending parallel ears on the second portion of the body, a cam journalled on a horizontal axis in the main body between the ears and cooperating with the upper end of the plunger, the cam being symmetrical about the midpoint of its active surface, such midpoint lying closest to the pivotal axis of the cam, the cam increasing in radius in directions away from such midpoint, the end zones of the active surface of the cam being substantially concentric with the pivotal axis of the cam, and a lever connected to the cam and lying between the ears on the cap main body to rotate the cam in either direction from the position in which its midpoint confronts the plunger to advance the sealing means into sealing engagement with the surface of the bottle neck surrounding the opening.

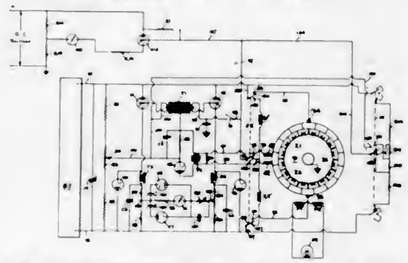
2,600,087
COMBINED CONTAINER AND SPREADING DEVICE FOR BOBBY PINS
Rudolf Vogel, Bridgeport, Conn., assignor to The Vogel Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application June 17, 1949, Serial No. 99,695
2 Claims. (Cl. 132—1)

1. A bobby pin containing and spreading device, comprising a body part and a cover part, each having upper and lower ends and side edges, said cover part being hinged at its lower end contiguous to the lower end of the said body part for swinging movement between open and closed positions about a hinge axis disposed transversely to the side edges of said body and cover parts, the upper ends of said body and cover parts adapted to meet in the closed position of the cover part, a spreader hinged at its lower end within said body part for swinging movement about an axis parallel to and spaced upwardly from said hinge axis of said cover part and spaced downwardly from the upper end of said body part a distance at least equal to the height of said spreader, stop means carried by said spreader and engageable with said body part adapted to



limit the swinging movement of said spreader in the opening direction of said cover part to an erected position substantially perpendicular to said body part and to rigidly support said spreader against opening movement beyond said erected position, and spring means normally pressing said spreader into its erected position, the upper end of said spreader in its erected position being in the path of closing movement of said cover part whereby it is pushed into a retracted position between its hinge axis and the upper end of said body part through the closing movement of said cover part, the opening of said cover part permitting the swinging of said spreader to its erected position under the force of said spring means.

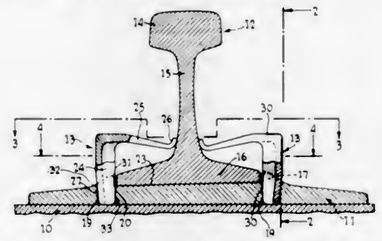
2,600,088
MOTOR ANALYZER
Delbert J. Ward, Burbank, Calif.
Application November 13, 1945, Serial No. 628,194
4 Claims. (Cl. 175—183)



2. In a device for comparing impedances, a combination including: an alternating current source; impedances connected across said source to form a first branch of a first Wheatstone type bridge; means whereby the two impedances that are to be compared may be connected in series across said source to form the ratio arms of a second branch of said first bridge; an electrical path from a point intermediate the said ratio arms and a predetermined reference point in said first branch; a second Wheatstone type bridge each branch of which has a first arm comprising a triode and a filtering system and a second arm

comprising a resistor, the balance arm of said second bridge comprising a polarized direct current galvanometer; two electronic rectifiers connected across said galvanometer so that they are conductive in opposite directions; means for biasing said rectifiers so that equal increments near the zero center of the galvanometer scale represent small current variations and equal increments remote from said zero center represent relatively large current variations; and means responsive to a voltage imbalance across said electrical path for impressing opposite voltages upon the grids of said triodes to render the first arms of the two branches of said second bridge unequally conductive, thereby causing the galvanometer to indicate the magnitude and direction of said voltage imbalance across said electrical path.

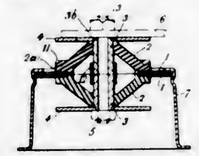
2,600,089
RAIL ANCHOR
Oscar Fred Arthur and Frederick Schulle, Pueblo, Colo.; Pueblo Savings & Trust Company, Pueblo, Colo., executor of said Frederick Schulle, deceased, assignor to said Arthur
Application October 29, 1946, Serial No. 706,312
20 Claims. (Cl. 238—349)



15. A rail anchor comprising a shank with an integral rail-contact blade, said shank having a generally rectangular outline in cross section and adapted to fit into a hole of a tie plate and to extend substantially flush with the lower surface thereof, said blade extending substantially horizontally and flaring from shank to rail to form a rail-contact surface which is straight lengthwise of the rail, said contact surface being adapted to engage the lower part of a rail web spaced below the upper part thereof and above the lower fillet thereof, whereby to firmly wedge said straight contact surface frictionally against the rail web when the anchor is driven home, said blade having vertical flexibility to permit vertical movement of the rail.

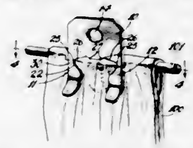
2,600,090
ANTIVIBRATION MOUNTING DEVICE
William Edward Barber, Woking, and James Ormond Cole, Barnehurst, England, assignors to A. Wells & Company Limited, London, England
Application July 31, 1946, Serial No. 687,384
In Great Britain July 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 22, 1963
10 Claims. (Cl. 248—358)

7. In a resilient mounting device, the combination of a rigid plate having an opening therethrough, means forming a central column extending axially through said opening, and resilient means attached to said plate adjacent said opening and to the opposite end portions of said columnar means, said resilient means being so connected between said base plate and said columnar means that lines joining points of attachment to the base plate with points of attachment to the opposite ends of the columnar means and lying in planes perpendicular to the base plate will generate two like coaxial opposed truncated hollow cones, the generating lines of said cones, if extended, producing apices thereof on the axis of said columnar means closely adjacent to the junctions of said resilient means therewith, said resilient means being initially tensioned and held under equal tension on both sides of said plate when the device is not loaded, said plate and columnar means constituting two members, one of which serves for the attachment of



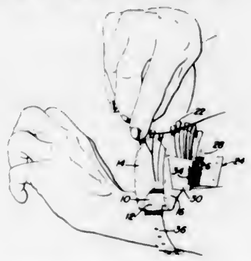
the mounting to a supporting body while the other constitutes a support for a body which is to be supported by the mounting, said mounting device adapted to receive means for attachment of one of said bodies to at least one end portion thereof, beyond the junctions of said resilient means therewith and adjacent to one of said apices, the generating lines of both cones being at an angle to said plate of between about 30 and 45 degrees, so that said resilient means will, under a predetermined load, impose substantially equal resistance to relative movement between said plate and columnar means in all planes.

2,600,091
CLOTHESPIN
Maximilian C. Becker, East Orange, N. J.
Application July 15, 1948, Serial No. 38,789
1 Claim. (Cl. 24—137)



A clothes-pin comprising an element having an inner rigid finger and a pair of outer rigid fingers, the lower part of each of said outer fingers being deflected outwardly in one direction, the lower part of the inner finger being deflected outwardly in the opposite direction, said inner finger being spaced from said outer fingers, the space between said inner finger and said outer fingers communicating with enlarged openings at the upper part of said element, the inner edge of each of said outer fingers being inclined downwardly towards its longitudinal axis, said spaces between said inner finger and outer fingers extending normally upwardly to said enlarged openings in decreasing widthwise dimension a material distance from the lower end of said element to provide a mouth for ease of line-insertion and restrictive throats through which the line may pass into said enlarged openings for line-snubbing, one edge of each of said enlarged openings being inclined upwardly towards the longitudinal axis of its related finger, the widthwise dimension of said inner finger at the upper part thereof being less than the corresponding dimension of the major portion of the remainder thereof.

2,600,092
WRIST-TYPE BOBBY PIN HOLDER AND SPREADER
William A. Buelow, Long Beach, Calif.
Application February 24, 1950, Serial No. 146,123
6 Claims. (Cl. 132—1)



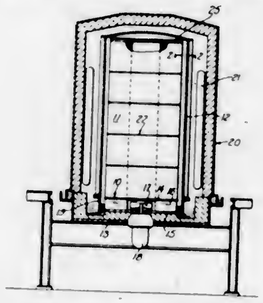
6. A wrist-type bobby pin holder and spreader comprising a flat side wall having a smoothly curved beveled edge for spreading bobby pins, and a receptacle forming member rigidly secured to said side wall inwardly of the curved edge of said side wall, said member including a concavo-convexed wall conforming to the contour of a user's wrist and inclined relative to the side wall to retain the side wall inclined to a user's wrist when the concavo-convexed wall is secured against a user's wrist.

2,600,093
PACKAGED BAKERY PRODUCTS AND PROCESS THEREOF
Mayne R. Coe, Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C., a corporation of Delaware
No Drawing. Application April 9, 1947, Serial No. 740,486
9 Claims. (Cl. 99—172)

1. The process of inhibiting deleterious photochemical action in bakery products which normally would result from the absorption thereby of certain wave lengths of light, which comprises shielding the product from rays of light with a material such as to admit to the commodity those wave lengths of light between approximately 4900 and 6300 as well as above approximately 6700 Angstrom units while excluding wave lengths of light in all other regions.

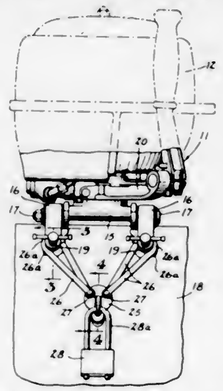
2,600,094
APPARATUS FOR ANNEALING ANNULAR COILS OF SHEET METAL
Carroll Cone, near Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application April 13, 1948, Serial No. 20,785
3 Claims. (Cl. 263—40)

1. Apparatus for annealing a stack of coils of sheet metal in a protective atmosphere comprising, in combination, a base for supporting said stack of coils, separators for spacing the coils in said stack, said separators being provided with passages for flow of said protective atmosphere between the interior and the exterior of said stack, a gas-tight cover for said stack having a single vertically corrugated cylindrical side wall closely surrounding said stack, means comprising a power-driven fan for circulating said protective atmosphere at high velocity along the channels formed by said corrugations and through the interior of said stack, said atmosphere also flowing through the passages in said separators, and means for applying heat directly to the exterior of the corrugations forming the channels along which said atmosphere is circulated, said corrugated cylindrical side wall



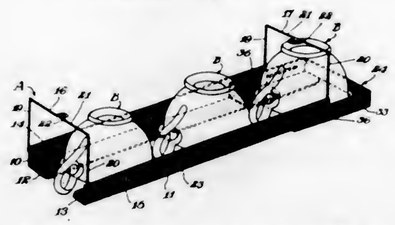
providing transfer of heat to said coils by conduction at a substantially greater rate than a smooth cylindrical side wall, and providing transfer of heat to said coils by radiation at substantially as great a rate as a smooth cylindrical side wall.

2,600,095
SECURING MEANS FOR OUTBOARD MOTORS
Michael D. Consolo, Wilkinsburg, and George V. Clanton, Jamestown, Pa.; said Consolo assignor to said Clanton
Application June 18, 1948, Serial No. 33,788
1 Claim. (Cl. 248—25)



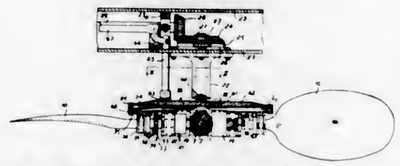
Lockable securing means for outboard boat motors having dual-screw clamping means with downwardly open jaws constructed to embrace the top edge part of a boat transom, the said securing means comprising a staple device having an opening and constructed to be fixedly secured to the inner face of a boat transom and means separate from the staple device for disengageably connecting the screws of such a clamping means to the staple, said separate means including a flat hasp part apertured to pass over the staple and leave the opening of the latter exposed to receive the shackle of a padlock and a plurality of elongated links each pivotally connected at one end to the hasp for movement parallel to the plane of the hasp, the free ends of the links having hook formations to engage the clamp screws.

2,600,096
CUP RACK
Miles S. Cooper, St. Paul, and Earl L. Berg, Minneapolis, Minn.
Application February 7, 1946, Serial No. 645,979
2 Claims. (Cl. 211—71)



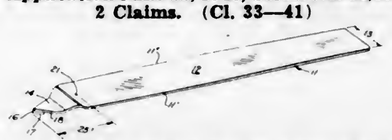
1. A cup rack including a pair of spaced opposed angle members, the spaced angle members forming a slot therebetween open at one end, inverted substantially U-shaped connecting members connecting the sides of said angle members, said connecting members including substantially parallel sides and a bridging portion extending therebetween, said sides being secured to said angle members and being substantially in the plane thereof, said bridging portion having aperture means therethrough, and a strip at the end opposite said open end of said angle members connecting the same.

2,600,097
ADJUSTABLE BLADED IMPELLER
André Cornillon, Lyon, France
Application August 13, 1948, Serial No. 44,030
In France September 13, 1947
4 Claims. (Cl. 170—154)



1. A multi-bladed rotor device for the purpose set forth comprising a casing adapted for rotation about a substantially vertical axis; blades radially disposed around said casing, each of said blades being formed with a radial tail oscillatably supported by said casing, each of said tails comprising a portion exterior to said casing; a non-rotatable circular guide member disposed at a variable height co-axially to said casing; a plurality of sleeves, each loosely carried by one of said tails on the portion thereof exterior to said casing; a plurality of arms, each radially secured to one of said sleeves; rollers at the ends of said arms, said rollers being guided vertically by said guide member to be vertically reciprocated in unison with rotation of said casing; a plurality of oscillatable members carried by said casing, each at a distance from one of said sleeves and the axes of oscillation of said oscillatable member and of said sleeve being parallel; a pair of substantially opposed connecting rods to connect each of said sleeves with the corresponding oscillatable member; a cogged sector secured to each of said members; and another cogged sector secured to each of said tails to mesh with said first-named cogged sector, said last-named cogged sector being smaller in radius than said first-named cogged sector.

2,600,098
TEMPLATE MAKING SCRIBER
Angelo Del Debbio, San Francisco, Calif.
Application June 22, 1948, Serial No. 34,399
2 Claims. (Cl. 33—41)



1. A template making scriber comprising a flat bar of predetermined width and longitudinally extending straight edges; said flat bar having a planar upper surface co-extensive with its length, a rounded nose at one extremity of said bar; said bar having a hole therethrough approximately midway of its straight edges and at a point spaced from said rounded nose a distance equal to said predetermined width of said bar, and a scribing needle situated in said hole.

2,600,099
VALVE DEVICE
René Détrez, Nogent sur Marne, France
Application August 9, 1945, Serial No. 609,821
In France August 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 5, 1964
6 Claims. (Cl. 251—87)



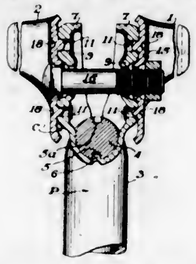
1. A valve device comprising rotatable and non-rotatable discs arranged in alternate superposed relation, a shaft passing axially through the several discs and having a driving connection with the rotatable discs, each two contiguous non-rotatable discs having in the adjacent faces thereof sets of arcuate passages and pairs of peripheral ports, the passages of one set being concentrically spaced apart and communicating respectively with the ports in the related disc, the rotatable disc disposed between said two non-rotatable discs being movable from a first fluid distributing and receiving position to a second fluid distributing and receiving position and having two ports respectively communicating with the passages of the first mentioned set, each passage of the other set communicating with one of the ports in the related non-rotatable discs and having two connected portions respectively disposed in position to communicate with the ports in a rotatable disc in both positions of the latter.

2,600,100
PROCESS FOR PREPARING UREA FORM-ALDEHYDE LACQUER COMPOSITIONS
Edward Michael Evans and Reginald William Henry Wicking, Tonbridge, England, assignors to British Resin Products Limited, London, England, a corporation of Great Britain and Northern Ireland
No Drawing. Application August 26, 1947, Serial No. 770,760. In Great Britain September 4, 1946
12 Claims. (Cl. 260—33.4)

4. A process for the production of lacquer compositions which comprises, reacting urea with formaldehyde in aqueous solution in the

proportion of between 2.7–4 mols of formaldehyde to 1 mol of urea in the presence of an alkaline catalyst to produce a reaction product, removing water, acidifying the mixture, adding an alcohol selected from the group consisting of butyl, amyl, hexyl, and octyl alcohols in amount not substantially in excess of the theoretical quantity required to react with the methylol groups of the polymethylol urea formed, adding a water-entraining inert diluent, heating the mixture to produce etherification, and removing the water by distillation with said entrainer and alcohol while returning the separated entrainer and alcohol to the mass undergoing etherification, the addition of said alcohol and inert diluent being adjusted to leave a lacquer base when removal of the water has been completed.

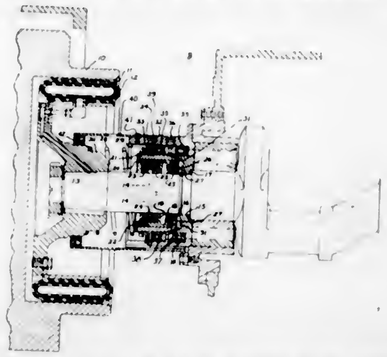
2,600,101
CYCLE SADDLE SUPPORT
Roland W. Faulhaber, Monroeville, Ohio, assignor to The Faulhaber Company, Monroeville, Ohio, a corporation of Ohio
Application August 24, 1946, Serial No. 692,825
1 Claim. (Cl. 155—5.24)



In a saddle construction a seat support bar having a generally horizontal leg and a leg inclined thereto for mounting in a seat post member, diametrically opposed longitudinally extending guide means formed on said horizontal leg, a U-shaped clamp having a base portion for gripping said horizontal leg, said base portion being formed with guide means for cooperating with either of the guide means on said leg to prevent rotation of said clamp about said leg, said clamp having a pair of reach support members extending from the base portion thereof, a reach member supported by each of said reach support members, one of said last named members having a series of circularly disposed projections and the other of said members having a series of circularly disposed apertures to receive said projections, and means to simultaneously clamp said reach members to said clamp and the base portion of said clamp to said horizontal leg with said clamp guide means engaging one of said guide means on said leg.

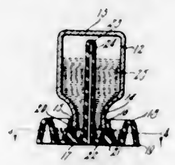
2,600,102
ROTATABLE SLIDE VALVE ASSEMBLY
Thomas L. Fawick, Cleveland, Ohio, assignor to The Fawick Airflex Company, Inc., a corporation of Indiana
Application October 3, 1946, Serial No. 700,914
20 Claims. (Cl. 137—69)

7. A valve assembly comprising a rotary member formed with a cylindrical outer surface and a fluid passage extending inward therefrom, a slide valve structure mounted on and rotatable with said surface for opening and closing said passage, and means for moving said valve structure on said surface for opening and closing said passage during rotation of said member and said valve, said slide valve structure being formed with



passages for putting the aforementioned passage in communication selectively with a source of pressure fluid and with the atmosphere.

2,600,103
MEANS FOR ABSORBING ICE PRESSURE
John Franz Feck, Norwood, Ohio
Application February 19, 1948, Serial No. 9,398
3 Claims. (Cl. 119—77)

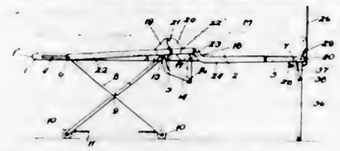


1. A poultry drinking fountain of the barometric type, comprising a dish-shaped base having two liquid retaining areas separated by an annular boss extending upwardly from said base and formed with a discharge opening therethrough communicating with the liquid retaining areas of said base, an inverted container having a closed end and an open end in fitting relationship with said boss whereby liquid in said inverted container may flow into the liquid retaining areas of said base, and a post of deformable material extending from said base through the open end of said container in spaced relation to the inner wall surface thereof, said post extending substantially the entire depth of said container whereby said post will absorb pressure of ice formation in said container regardless of the level of liquid therein.

2,600,104
FOLDING COT
Jacob G. Fischer, Brooklyn, N. Y., assignor to Magicot Sleep Products Inc., Brooklyn, N. Y., a corporation of New York
Application March 4, 1949, Serial No. 79,533
9 Claims. (Cl. 5—111)

1. A folding cot comprising a mattress supporting frame including at least two frame sections pivotally interconnected, leg members pivotally mounted on each frame section, a linkage system interconnecting the leg members and one of said frame sections for causing said leg members to fold or unfold as the frame sections are pivoted with respect to each other, and means

comprising a head rest and a latching finger mounted on opposite ends of the frame sections



for self-latching cooperation when the frame sections are folded in parallel relation.

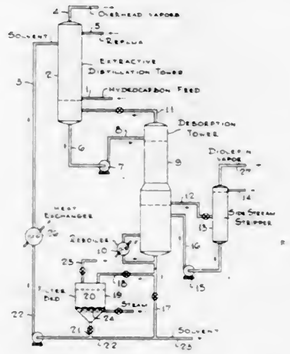
2,600,105
METHOD OF APPLYING LACE AND LIKE ORNAMENTAL EDGING TO BOXES
Milford Edward Fuller, London, England, assignor to Vickers-Armstrong Limited, London, England, a British company
Application May 12, 1948, Serial No. 26,702
In Great Britain May 20, 1947
1 Claim. (Cl. 93—57)



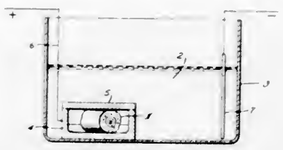
The method of applying plain covering strip and ornamental edging strip having a plain marginal part and an ornamental remainder to boxes; said method comprising the steps of folding said edging strip lengthwise so that said plain marginal part underlies said ornamental remainder thereof, adhesively coating the downwardly facing surface of said plain marginal part of said edging strip and an entire surface of said plain covering strip, positioning said edging strip along an edge portion of said covering strip with the coated surface of said plain marginal part contacting the non-coated surface of said edge portion of the plain covering strip and with said ornamental remainder of the edging strip projecting freely beyond the adjacent edge of said plain covering strip, wrapping said plain covering strip around a box so that the adhesively secured together plain marginal part of the edging strip and edge portion of the covering strip project beyond the rim of the box with the plain marginal remainder of the edging strip extending beyond the adjacent edge of the wrapped plain covering strip, cutting said plain covering strip and said edging strip to length so that the opposite ends thereof overlap, and folding said edge portion of the plain covering strip and said plain marginal part of the edging strip inwardly over the rim of the box so that said edge portion of the covering strip adheres to the inside surface of the box with said ornamental remainder of the edging strip being free to be folded inwardly along with said edge portion and plain marginal part without severing of said ornamental remainder along the overlapping ends of said plain covering strip.

2,600,106
REMOVAL OF DIOLEFIN POLYMERS FROM EXTRACTIVE DISTILLATION SOLVENT
Bowman S. Garrett, Bellerose, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 10, 1948, Serial No. 32,173
5 Claims. (Cl. 202—39.5)

1. In a process for the separation of hydrocarbons having different degrees of unsaturation in a mixture thereof including a readily polymerizable diolefin by extractive distillation of the hydrocarbons in the presence of a polar organic solvent selected from the group consisting of glycols, furfural, and acetone, the more saturated hydrocarbons of the mixture being distilled while the more unsaturated hydrocarbons of the mixture remain as an extract solution with an undistilled portion of the solvent, the improvement which comprises passing said extract solution into a desorption zone wherein said solution is heated to an elevated temperature under pressure so as to cause unstable extracted components of said solution including the readily polymerizable diolefin to react and form higher boiling materials that remain unvaporized while a more stable unsaturated hydrocarbon is desorbed from the extract solution, subsequently withdrawing remaining solvent containing said higher boiling materials from the desorption zone, and separating said higher boiling materials from the solvent by contacting the solvent-containing said higher boiling materials with an adsorbent selected from the group consisting of adsorbent clay and activated carbon.

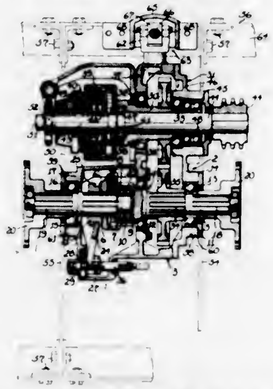


2,600,107
ELECTROLYTIC BONE DECALCIFICATION PROCESS
Max Gelfand, Dallas, Tex., and Irving M. Richman, New Orleans, La.
Application June 21, 1948, Serial No. 34,274
11 Claims. (Cl. 204—131)



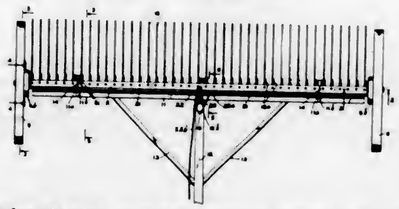
1. A process for rendering ossified tissue non-opaque which comprises removing the opacifying, insoluble calcium salts by contacting said tissue with the anode of an electrolytic cell in the presence of an aqueous solution containing a reagent which reacts with said insoluble calcium salts to form soluble ionized calcium salts, said tissue being spaced from the cathode, and moving the resulting free calcium ions from the tissue toward the cathode by passing an electric current through said electrolytic cell.

2,600,108
POWER TAKEOFF
Chris Gerst, Detroit, Mich., assignor to The Transmission & Gear Company, Dearborn, Mich., a corporation of Michigan
Application January 12, 1950, Serial No. 138,109
1 Claim. (Cl. 74—15.8)



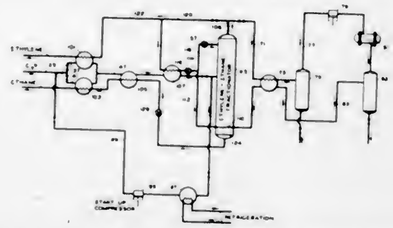
A power take-off unit embodying a substantially L-shaped housing having its elongated portion formed as a gear chamber and including a lateral extension formed as a clutch chamber, a split shaft arrangement extended through said gear chamber and clutch chamber and journaled in flanged portions of parallel outside walls of said chambers, said split shaft arrangement including a drive shaft section, a driven shaft section aligned with said drive shaft section and tubular coupling means axially shiftably, non-rotatably mounted on the driven shaft section and adapted to directly couple the shaft sections with each other, a tubular countershaft arranged parallel to the split shaft arrangement and journaled in opposite walls of the gear chamber, continuously meshing gears on the drive shaft section and the tubular countershaft, connecting the drive section to the countershaft, a power take-off shaft journaled in the tubular countershaft and extended through opposed walls of the gear chamber, and a friction clutch arranged outside of said housing and mounted on the outwardly exposed end of the countershaft adjacent to the clutch chamber, said friction clutch adapted to selectively frictionally couple the countershaft with the power take-off shaft.

2,600,109
DUMP RAKE
Harold O. Gorton, Glenwood, Minn.
Application March 9, 1949, Serial No. 80,371
1 Claim. (Cl. 56—386)



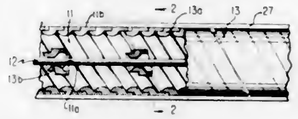
Hydraulically operated clutch mechanism for momentarily only connecting rotary power from the wheels with the horizontally journaled tine bar of a wheeled dump rake for the purpose of dumping the rake under instant control, having in combination a vertical mounting plate, means for fixing said mounting plate to the journal or trunnion at one end of the tine bar in juxta-position to the inner side of one of the dump rake wheels, a cylindrical drum having means for fixed connection thereof concentrically with the inner side of said last mentioned wheel and in concentric relation also with the journal or trunnion of said tine bar, a pair of outwardly movable clutch shoes mounted on the outer face of said plate for shifting action outwardly in unison and having outer friction surfaces disposed normally in close relation within the confines of said drum, means for urging said clutch shoes inwardly, a fluid wheel cylinder also mounted on said plate and having a pair of outwardly and oppositely movable pistons connected with said clutch shoes for shifting the same outwardly when fluid under pressure is supplied to the central portion of said cylinder mechanism including a master cylinder removed from said wheel and a conduit connected with said master cylinder for instantly supplying fluid under pressure within the middle portion of said cylinder between said pistons, an abutment lug extending generally radially of the axis of said journaled tine bar and fixed thereto for swinging movement with said tine bar and a stationary bumper element disposed in the path of movement of said abutment lug for limiting dumping action of said rate and for facilitating release of said clutch shoes whereby said drum and tine bar are connected only momentarily to produce an instantly controlled, fast dumping action and return of said dump rake.

2,600,110
FRACTIONAL DISTILLATION METHOD
Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 4, 1949, Serial No. 69,147
5 Claims. (Cl. 62—175.5)



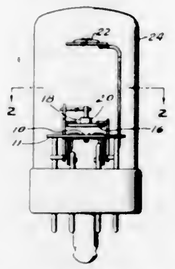
1. An internal-refrigerant low-temperature fractional distillation process for separating a multi-component mixture of vaporizable material into a low-boiling fraction and a high-boiling fraction which comprises, passing said mixture into a fractionation zone, withdrawing from heat-exchange relationship with the kettle product of said fractionation zone a liquid stream, passing at least a portion of said stream through an expansion zone and therein vaporizing at least a portion of and cooling same, subsequently passing said expanded material in direct heat-exchange relationship with overhead vapors of said fractionation zone to condense at least a portion of said overhead vapors, utilizing resulting condensed liquid as refluxing liquid in said fractionation zone, withdrawing vapors overhead as said low-boiling fraction of said first mixture, compressing and partially cooling at least a portion of said expanded material, subsequently passing said compressed material into indirect heat-exchange relationship with the kettle product of said fractionation zone to transfer heat from said material to said kettle product, and withdrawing said kettle product as said high-boiling fraction of said first mixture, said material used in heat-exchange relationship consisting of a product of said fractionation zone.

2,600,111
COAXIAL CABLE WITH SPIRAL SPACER
Hans D. Isenberg, Wilmette, Ill.
Original application February 8, 1946, Serial No. 646,464. Divided and this application November 12, 1947, Serial No. 785,271
4 Claims. (Cl. 174—29)



1. An insulated cable comprising an inner conductor and a continuous filament of either thermosetting or thermoplastic material helically wound around said conductor to itself form a continuous flexible sheath, the convolutions of said sheath being interlocked with rabbet joints, said sheath having certain convolutions found so as to provide substantially a one turn spiral of reduced diameter directly contacting said conductor and radially spacing it from the remainder of said convolutions.

2,600,112
ELECTRON EMITTER
Harold Jacobs, St. Albans, and George Hees, Woodside, N. Y., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application June 30, 1948, Serial No. 36,138
12 Claims. (Cl. 316—5)



1. The method of preparing secondary electron emitting electrodes comprising coating a support with an alkali metal compound suspended in ethyl cellulose, introducing said coated support into a tube and placing it adjacent to an electrode of said tube, evacuating said tube, and forming a secondary electron emitter having a thin monatomic layer of the alkali metal compound by vaporizing the alkali metal compound from said support onto said electrode while holding said electrode at a negative potential.

2,600,113
MOTOR FUEL
Allen R. Jones, Roselle, and John O. Smith, Jr., North Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 1, 1950, Serial No. 165,601
4 Claims. (Cl. 44—70)

1. A composition comprising a mixture of hydrocarbons boiling in the gasoline boiling range containing from about .05 to 1% by volume of an aliphatic thioether of a mono-carboxylic acid which is selected from the class of compounds represented by the formula

$$C_xH_{2x+1}-S-(CH_2)_yCOOH$$

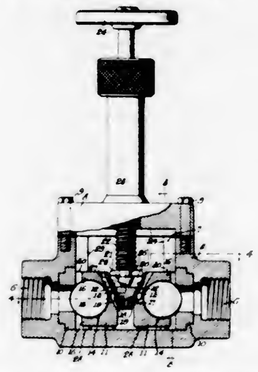
wherein x represents an integer from 8 to 25 and y represents an integer from 1 to 3.

2,600,114
DUAL-PURPOSE ENVELOPE
James Gordon Kerr, Washington, D. C.
Application June 5, 1945, Serial No. 597,666
12 Claims. (Cl. 229—73)



1. A dual purpose envelope comprising pocket forming panels, a cover panel adhesively attached to one of said pocket forming panels, the pocket forming panel to which the cover panel is attached having an address thereon, a closure flap attached to one of said pocket forming panels, a second closure flap attached to said cover panel, one of said closure flaps being of less width than said pocket forming and cover panels and folded to lie therebetween and of sufficient length to cover the address on said cover panel, the adhesive attaching said cover panel to said pocket forming panel being at three marginal edges of said panels beyond the edges of said closure flap lying therebetween.

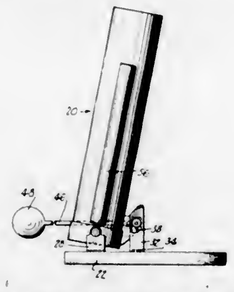
2,600,115
VALVE
Edward Albert Kliewer, Sr., Longview, Tex.
Application May 15, 1946, Serial No. 669,738
4 Claims. (Cl. 251—70)



1. In a valve structure, a casing having a valve chamber therein and two ports disposed in axial

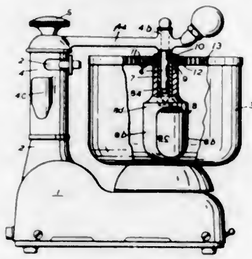
alignment and opening into and from said chamber, a seat associated with each port, two followers movably mounted in said chamber and each carrying a valve element engageable with one of the seats, a wedge actuater having dovetail connection with the followers, and means for moving the actuater in one direction to force the followers apart and the valve elements against the seats and in the opposite direction to move the followers toward each other to move said valve elements away from said seats, one said valve element comprising a half ball rotatably mounted on one follower, and the other said element comprising a flat faced disk secured on the other follower.

2,600,116
TOY MORTAR
Philip Kopf, Brooklyn, N. Y.
Application January 30, 1951, Serial No. 208,624
9 Claims. (Cl. 124—26)



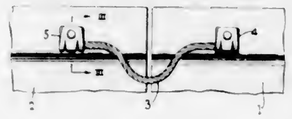
1. A toy mortar comprising a barrel, a spring-urged catapult in said barrel, a lever, a catch between the lever and the catapult, whereby the lever may be raised to engage the catapult and lowered to retract the catapult to loaded position, and trip means connected to the catch for releasing the catapult for forward movement in response to the spring action, said trip means being situated to intercept a projectile which is dropped into the barrel so that it may be tripped by the projectile to release the catapult.

2,600,117
MIXING OR KNEADING MACHINE
Harold Thomas Lamb, Newcastle-on-Tyne, England
Application May 2, 1950, Serial No. 159,417
In Great Britain May 12, 1949
3 Claims. (Cl. 259—85)



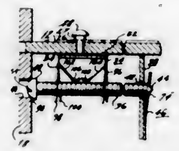
1. A mixing or kneading machine of the kind referred to comprising a mixing bowl, means for rotating the bowl, and a vertical rotary dolly driven by said bowl, said dolly having its lower end shaped to the outline of the bowl section, wherein the kneading portion of the dolly has its horizontal section of symmetrical cam form with a plurality of rises so that the mixture is flattened between the dolly and the side of the bowl during the rotation of the bowl and at least twice during each dolly rotation; the kneading portion of the dolly having a short cylindrical portion which is coaxial with the axis of rotation of the dolly for the purpose set forth.

2,600,118
RAIL BOND
Frederick C. Lavarack, Montclair, N. J., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application February 10, 1948, Serial No. 7,382
1 Claim. (Cl. 238—14.05)



A rail bond terminal formed with a cylindrical stud portion adapted to be received in a bottomed cylindrical rail cavity opening at the side face of a rail, said stud being formed with a cavity opening in the face of the bond terminal and having its inner end inwardly beyond the side face of the rail when the stud is inserted in the rail cavity adapted for the reception of a punch, said cavity in the stud, at the inner portion, formed as a hollow cone frustrum having its axis coinciding with the longitudinal axis of the stud whereby a punch of a predetermined size formed at its end portion as the frustrum of a cone may be centrally seated in the cavity and initially contact the wall of the cavity in the stud at substantially the end of the punch only and thereby be caused to lie in the longitudinal axis of the cylindrical portion of the stud so that when the punch is struck it will be driven along the line of the said longitudinal axis to expand the portion of the stud lying within said rail cavity and after expanding the stud may be easily removed and means adapted for electrically connecting the terminal to an adjacent terminal.

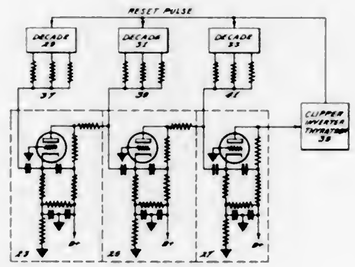
2,600,119
VARIABLE TUNING SYSTEM
Angelo G. Lazzery, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1950, Serial No. 153,265
10 Claims. (Cl. 336—130)



1. A variable tuning element and system comprising in combination, a pair of end supporting members arranged in fixed spaced relationship,

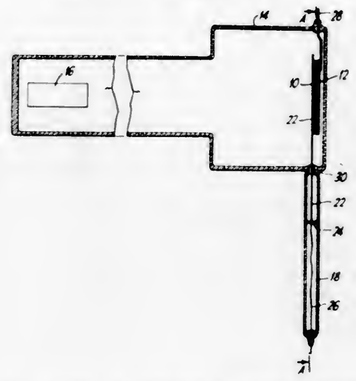
each member having an aperture therein, said apertures being arranged along a fixed axis, a rotatable longitudinal tuning control means having a length slightly greater than said fixed space, having a rounded head larger than a first of said apertures corresponding thereto and having a body smaller than the second of said apertures, said tuning control means being mounted between said supporting members, a leaf spring member arranged adjacent to said second aperture to socket a part of said rounded head into said first corresponding aperture by a thrust contact with a portion of said tuning control means external to said end supporting members, a fixed variably tunable circuit element supported on an insulated form mounted substantially parallel to said axis and removed therefrom, and a movable tuning element mounted upon said rotatable tuning control means being thereby relatively movable with respect to said circuit element for variable tuning thereof.

2,600,120
VOLTAGE SELECTIVE AMPLIFIER
Olin L. MacSorley, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 18, 1949, Serial No. 71,496
1 Claim. (Cl. 179—171)



A regenerative signal amplifier for selectively amplifying signal voltages of less than a predetermined amplitude comprising, in combination, an electron tube having an anode, a cathode and a control grid, said control grid being connected to a point of reference potential, a signal input circuit coupled directly between said control grid and said cathode, an output circuit coupled directly between said anode and said point of reference potential, cathode resistor means connected between said cathode and said point of reference potential, a source of direct-current energizing means having positive and negative terminals, said negative terminal being connected to said point of reference potential, bias determining means for effecting selective amplification of voltages less than said predetermined amplitude including a fractional part of said cathode resistor means connected between said positive and negative terminals, output resistive means connected between said anode and said positive terminal, capacitive regenerative feedback means connected between said cathode and an intermediate point on said output resistive means, a second capacitive means shunting said fractional part of said cathode resistor means, and a third capacitive means connected between said positive and negative terminals.

2,600,121
DEPOSITION OF MATERIAL ONTO A MOSAIC SCREEN THROUGH A STENCIL
James Dwyer McGee, London, and Walter Ernest Turk, Hayes, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application December 6, 1946, Serial No. 714,654
In Great Britain October 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 6, 1965
3 Claims. (Cl. 316—22)



3. The process of making a mosaic screen by depositing material onto a carrier through a stencil, said process comprising the steps of, applying an electrostatic difference of potential between said carrier and said stencil, depositing said material through said stencil onto the exposed surface of said carrier, and separating said stencil and carrier.

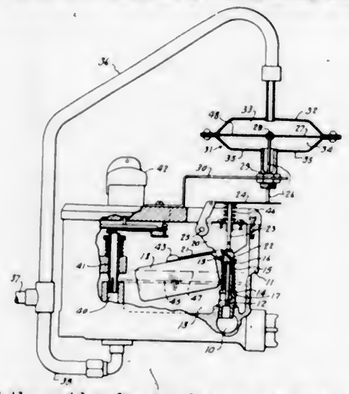
2,600,122
PROCESS OF FORMING PLASTISOLS
Albert W. Meyer, Nutley, and William A. Hermonat, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 4, 1949, Serial No. 97,316
6 Claims. (Cl. 260—34.2)

1. A process of forming a plastisol which comprises mixing (A) a thermoplastic resin powder, (B) a second thermoplastic resin powder of particle size substantially different from powder (A), and a plasticizer which will not dissolve said powders readily at ordinary temperatures, whereby a plastisol of substantially decreased viscosity is formed compared to the plastisol of the same plasticizer concentration resulting from mixing only powder (A) with plasticizer and said plasticizer being capable of dissolving said powders at elevated temperature whereby said plastisol is converted to a solid gel on cooling.

2,600,123
FUEL CONTROL FOR COMBUSTION APPARATUS
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application November 9, 1948, Serial No. 59,068
10 Claims. (Cl. 158—37)

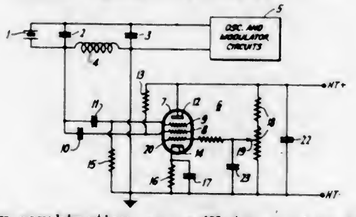
1. Combustion apparatus comprising a liquid fuel burner, a combustion chamber communi-

cating therewith and having a flue outlet, means for varying the draft on the burner including an adjustable draft regulator associated with the flue outlet, means for supplying fuel to the burner in regulatable quantities including a fuel chamber having a fuel inlet, a fuel outlet to the burner, said fuel outlet being arranged such that the rate of feed of fuel to said burner varies in accordance with the level of fuel in said fuel chamber, a valve for controlling the admission of fuel through said inlet into the chamber, and mechanism for controlling the opening and clos-



ing of the said valve to change the level of fuel in the chamber in accordance with the change in the draft on the burner, said mechanism comprising a servomotor responsive to changes of draft in said burner, means operatively connecting said servomotor with said valve such that the servomotor responds to the pressure in said burner to close said valve at levels of fuel in said chamber, the heights of which vary inversely with the pressure in said burner throughout a range of operating pressures, whereby the rate of feed to said burner through said outlet is increased as the pressure in said burner decreases.

2,600,124
PIEZOELECTRIC CRYSTAL CIRCUIT ARRANGEMENT
Wilfrid Sinden Mortley, Great Baddow, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 12, 1947, Serial No. 785,344
In Great Britain November 21, 1946
6 Claims. (Cl. 250—36)



1. In combination, an oscillator, a piezoelectric crystal coupled thereto as a frequency controlling element, an impedance inverting network in the coupling between said crystal and said oscillator, said network introducing undesired loss in said coupling, and separate means for producing negative resistance and for applying said negative resistance to said network so as to substantially counterbalance said loss.

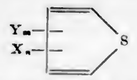
2,600,125
PUNCH CORE ORIENTER FOR WELLS
Manley Leonard Natland, Rolling Hills, and Raymond E. Pearson, Compton, Calif., assignors to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
Application December 13, 1948, Serial No. 65,024
9 Claims. (Cl. 255—1.4)



1. In a device insertable through a drill string for taking a punch core from a well bore and for indicating orientation of the core, the combination of a retrievable core barrel assembly adapted to be lowered from the surface through the drill string; means for latching the core barrel assembly relative to the drill string at a location adjacent its lower end; a portion of said assembly in latched position projecting below the lower end of the drill string means carried on said projecting portion of the retrievable core barrel assembly for providing a record of the direction and inclination of the core barrel assembly in latched position; a tubular member on the core barrel assembly positioned below said means so that a punch core may be taken by the member upon lowering of the drill string; and means for withdrawing the core barrel assembly and core upwardly through the drill string.

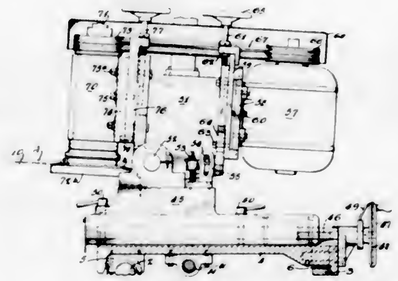
2,600,126
HALOGENATED AND NITRO HALOGENATED THIOPHENES AS AGRICULTURAL FUNGICIDES
Kenneth G. Nolan, South Norwalk, and John H. Fletcher, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 7, 1947, Serial No. 746,626
1 Claim. (Cl. 167—33)

A fungicidal composition comprising a thiophene compound of the general formula—



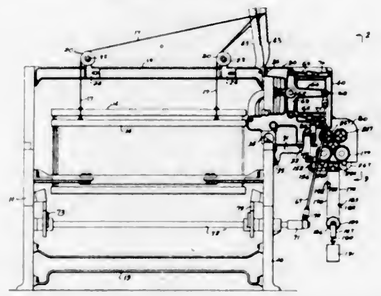
wherein Y stands for halogen, X stands for nitro, m is an integer of from 1 to 3, n is an integer of from 1 to 2, the sum $m+n$ being an integer of from 2 to 4, and a carrier dust therefor.

2,600,127
STRAIGHTEDGE GLASS PLATE BEVELING AND EDGING MACHINE
William A. Reaser, Toledo, and Elmer A. Ziems, Rossford, Ohio, and John M. Christman, Grosse Pointe, Mich., assignors to The Sun Tool & Machine Company, Toledo, Ohio, a corporation of Ohio
Application April 13, 1949, Serial No. 87,243
6 Claims. (Cl. 51—3)



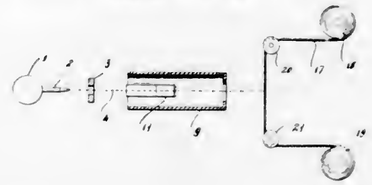
1. In a machine of the class described, wherein a glass plate is held with an exposed edge, a carriage, means guiding said carriage for reciprocatory movements along said exposed edge in spaced relation thereto, a base member mounted on said carriage for adjustment transverse to its line of movement, a block carried by said base for tilting movement about a horizontal axis substantially parallel to said plate edge, a bearing head carried at the side of said block adjacent to said edge, means mounting said head on a side of the block adjacent to said edge for various adjustments relative to the block, a shaft journaled in substantially vertical position in said head, a bevel grinding member carried by said shaft for beveling engagement with the exposed plate edge as it passes therealong with the carriage, and means carried by said block and operable to drive said shaft.

2,600,128
PERFORATED PATTERN MECHANISM FOR LOOMS
James L. Reynolds, Sr., Charlotte, N. C., assignor to Sam Schwartz Machinery Corporation, Charlotte, N. C.
Application August 5, 1948, Serial No. 42,642
4 Claims. (Cl. 139—68)



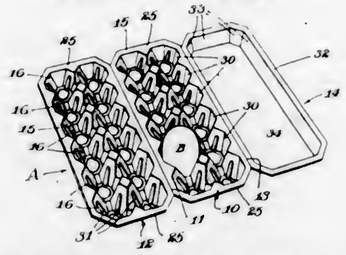
1. In a dobby loom having harness jacks and hooks and knives, said hooks being adapted to intermittently engage said knives for operating the harness jacks, a pattern member for controlling the position of said hooks relative to the knives, said pattern member having a plurality of transverse rows of perforations therein, a pair of cylinders over which said pattern member is adapted to pass, shouldered pattern reading pins adapted to engage said pattern member between said cylinders, means for advancing said pattern member past the pattern reading pins in step by step relation, means for intermittently raising and lowering said shouldered pattern reading pins comprising a transverse member in which said pattern reading pins are mounted for vertical sliding movement, an oscillatable shaft mounted in parallel relation to said transverse member, an arm extending from said oscillatable shaft to beneath the transverse member, a dog secured to one end of said oscillatable shaft, a lever arm disposed adjacent one end of said dog, and having a notch therein which is adapted to be intermittently engaged by said dog for causing the free end of said arm engaging the lower surface of said transverse member to remain in a raised position to thereby hold the pattern reading pins out of engagement with the pattern member, means for moving said notched lever arm out of engagement with the dog to thereby permit the transverse member to move downwardly, by gravity, and to thus raise the free end of said dog and to lower the pins into engagement with the pattern member.

2,600,129
APPARATUS FOR PRODUCING A STREAM OF ELECTRICALLY CHARGED MULTIMOLECULAR PARTICLES
Charles H. Richards, Flushing, N. Y.
Application July 17, 1948, Serial No. 39,364
7 Claims. (Cl. 299—1)



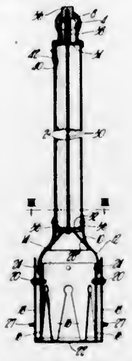
1. Apparatus for producing a fine stream of electrically charged multimolecular particles of matter and causing it to flow in a predetermined path, which stream is capable of being deflected by electrical means, comprising a container for a supply body of said matter, an electrically conducting element in contact with said matter in said container and from which element said matter may pass from said container, the arrangement being such that said matter will not pass from said element in the absence of an applied electro-static field, a source of high potential D. C. electric energy of at least about 3,000 volts and having two terminals, an annular electrode positioned at a predetermined distance along said path from said container and from said element and aligned and substantially concentric with said predetermined path of said stream, and electric conductors connecting said terminals respectively with said element and with said electrode, said electric energy being the sole applied force causing said matter to move from said container and serving to move said matter as a stream of multi-molecular particles, each particle having the same electrical polarity.

2,600,130
EGG CARTON
Ruth M. Schilling, St. Paul, Minn., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application December 3, 1945, Serial No. 632,331
8 Claims. (Cl. 229—2.5)



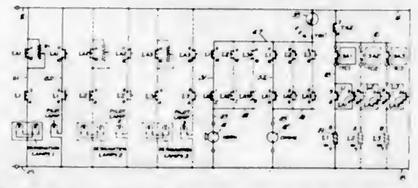
1. A molded packing unit for eggs and other fragile articles comprising a pair of tray sections foldably connected together along one edge thereof, means within said tray sections for holding the articles contained in spaced relation and engageable with said articles in closed position of said two sections, each of said sections having a marginal peripheral flange extending thereabout, the flanges of said two sections abutting in face-to-face relation in closed position of said two sections, and a third section foldably connected to one section of said pair, said third section comprising a tray foldable over one of said sections and dimensioned to enclose the same, said tray having a peripheral flange abutting against the peripheral flange of the section enclosed in closed position of said third section.

2,600,131
LAWN HAND SEEDER
Otto Schwarm and Joseph A. Prasky, Dormont, Pa.
Application October 8, 1946, Serial No. 701,918
1 Claim. (Cl. 111—1)



A combined cultivating and seeding hand tool comprising a slender vertically disposed tubular body member forming a seed magazine portion and having an opening therein adjacent its upper end for placing seeds therein, a closure for said opening, a T-shaped handle member disposed on and closing the upper end of said body member, a valve in said body member closing the lower end of said magazine portion, an operating rod connected to said valve and extending upwardly through said body member and above said T-shaped handle, means resiliently biasing said rod upwardly and said valve to closed position, the lower end of said body member being formed with an enlarged portion and an annular toothed cultivating member secured to and depending from said enlarged portion, whereby said valve may be selectively opened to release seeds interiorly of said cultivating member during use of the tool to cultivate and seed the soil.

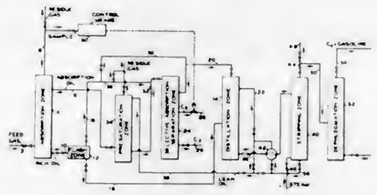
2,600,132
ANNUNCIATOR SYSTEM
Harold E. Seaton, Shelby, Ohio, assignor to The Autocall Company, Shelby, Ohio, a corporation of Ohio
Application February 23, 1950, Serial No. 145,812
14 Claims. (Cl. 177—311)



1. In an annunciator system of the class described, the combination of supervisory contacts having a normal position and adapted to be placed in an abnormal position in response to a trouble condition or the like, audible signalling apparatus comprising a trouble sounding signal device and a restore sounding signal device, visual indicating apparatus comprising a designation lamp and a pilot lamp, an arrangement of relay and circuit means responsive to said supervisory contacts for causing said trouble signal device to give an audible indication and said designation lamp to give a visual indication when said supervisory contacts move into said abnormal position in response to a trouble condition or the like, an acknowledgement switch, an arrangement of relay and circuit means responsive to said acknowledgement switch for controlling said trouble signal device and said designation lamp, an arrangement of relay and circuit means responsive to the restoration of said supervisory contacts to normal position for operating said restore sounding signal device and said pilot lamp, a reset switch, and an arrangement of relay and circuit means responsive to said reset switch for controlling said restore sounding signal and said pilot lamp.

2,600,133
MAINTAINING B. T. U. CONTENT OF RESIDUE GAS FROM ABSORBER
Russell K. Simms, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 27, 1949, Serial No. 123,938
4 Claims. (Cl. 196—8)

4. A process for treating a gaseous hydrocarbon material mixture comprising low-boiling normally gaseous hydrocarbon materials, lower boiling normally gaseous hydrocarbon materials and higher boiling hydrocarbon materials which comprises: passing said mixture into an absorption zone and therein contacting same with a lean presaturated absorption medium and absorbing said low-boiling normally gaseous hydrocarbon materials, higher boiling hydrocarbon materials and a portion of said lower-boiling normally gaseous hydrocarbon materials; withdrawing unabsorbed hydrocarbon materials from said absorption zone; withdrawing a resulting rich absorption medium from said absorption zone and passing same into a first separation zone, therein separating said absorbed low-boiling and lower boiling hydrocarbon materials from same and withdrawing a gaseous stream of low and lower boiling normally gaseous hydrocarbon materials from said first separation zone; passing said gaseous stream of low and lower boiling hydrocarbon materials into a selective adsorption separation zone, therein separating and recovering a stream of low-boiling normally gaseous hydrocarbon materials and withdrawing a stream of lower boiling hydrocarbon materials; controlling the amount of low-boiling normally gaseous hydrocarbon materials withdrawn in response to the variation of the B. t. u. content of the unabsorbed hydrocarbon materials withdrawn from

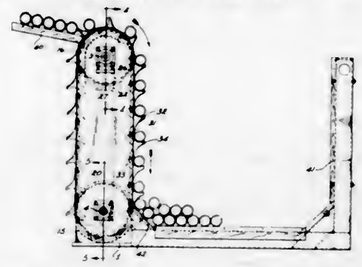


the absorption zone so as to maintain said B. t. u. content constant; passing said stream of low-boiling and lower boiling hydrocarbon materials into a presaturation zone, therein presaturating a lean absorption medium by absorbing a portion of same; withdrawing an absorption medium containing said higher boiling hydrocarbon materials from said first separation zone and passing same into a second separation zone, therein separating said higher boiling hydrocarbon materials from same and withdrawing resulting higher boiling hydrocarbon materials and a resulting lean absorption medium from said second separation zone; passing said withdrawn lean absorption medium into said presaturation zone and presaturating same as hereinbefore set forth; and withdrawing resulting presaturated absorption medium from said presaturation zone and passing same into said absorption zone as said lean presaturated absorption medium contacted with said mixture.

2,600,134
DENTAL IMPRESSION COMPOSITION COMPRISING A COPOLYMER OF VINYL CHLORIDE AND VINYL ACETATE, DI-NORMAL PROPYL PHTHALATE AND A FILLER
Frank J. Sowa, Cranford, and Max M. Schwartz, Jersey City, N. J.; said Sowa assignor to said Schwartz
No Drawing. Application November 4, 1948, Serial No. 58,364
3 Claims. (Cl. 260—31.8)

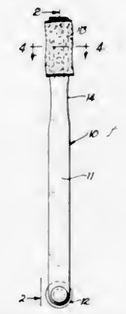
3. A dental impression composition consisting of a gel-like body comprising approximately 25 parts by weight of a copolymer of vinyl chloride-acetate containing from 80 to 93% of vinyl chloride, and from 18 to 75 parts by weight of a solvating agent comprising a major portion of di-normal propyl phthalate and a minor portion of butyl acetate, said composition containing a finely divided inert filler in amount not exceeding the weight of said copolymer.

2,600,135
ARTICLE LOWERING AND LOADING DEVICE
George W. Sower, Cleveland Heights, and Herbert J. Meyfarth, Willoughby, Ohio, assignors to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application October 8, 1949, Serial No. 120,300
7 Claims. (Cl. 198—155)



1. Apparatus for handling articles comprising a frame, an endless conveyor, vertically spaced shafts in the frame having means thereon for engaging and moving said conveyor, said conveyor having a substantially vertical span moving downwardly between said means, dogs mounted on the conveyor for rotation relative thereto, said dogs having article-carrying fingers provided with upwardly and outwardly inclined lower surfaces, an obstruction along the downward span of the conveyor and engageable with said surface for pivoting the dogs inwardly of the conveyor and away from said obstruction, and means engageable with articles on said dogs when the latter are so pivoted to discharge articles therefrom and from said fingers.

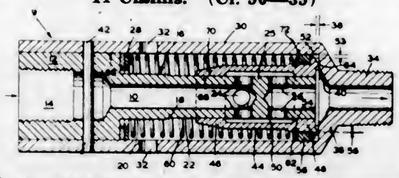
2,600,136
GUM MASSAGER
Martin Staunt, Des Plaines, Ill.
Application November 10, 1950, Serial No. 195,010
5 Claims. (Cl. 128—62)



4. A gum massager comprising a rigid handle of sheet material, one end of which serves as a grip, the other extreme end having a pair of prongs, one of which is punched out of the body of said sheet material, and the other of which is backwardly bent at the end of said handle, the said prongs pointing toward each other, but being spaced from each other, and a block of porous rubber of sufficient size to receive said prongs, and providing a pad for massage of the gums, said block having a pair of longitudinally extending apertures in its ends for receiving said prongs, and said block being under compression

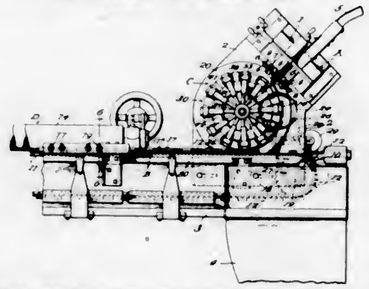
after insertion of the prongs in said apertures, to provide a firm mounting of the block on said handle, the said handle being provided with an elongated aperture substantially narrower than and shorter than said block, to provide a seat against which the block is held, the porous rubber being forced into said aperture and engaged by the edges of the handle surrounding said aperture, to hold the block more firmly, and the said prongs being tapered backwardly from their ends so that they wedge into said apertures to hold the block more firmly.

2,600,137
PRESSURE-REGULATING VALVE
Walter D. Teague, Jr., Alpine, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 26, 1947, Serial No. 793,968
11 Claims. (Cl. 50—35)



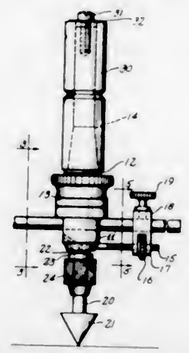
5. In combination in a valve, a structure including a housing forming a cylinder and having inlet and outlet means and a port to atmosphere, a tubular guide having a bore, said tubular guide positioned between the inlet and the outlet in the cylinder and having a partition across the guide bore and side-wall port means, a sleeve valve slidable on the guide between positions varying the flow through the port means and comprising a radially extending outer annular flange positioned in spaced relation to the inner surface of the cylinder, a closed ring closely slidably fitting the inner cylinder surface but radially outwardly spaced from the sleeve within the outer perimeter of the flange about the sleeve, said cylinder port to atmosphere opening at one side of said closed ring, and piston means responsive to the atmospheric and outlet pressures to move said sleeve valve along said guide in regulating said port means including spring means biasing the closed ring against the flange.

2,600,138
CAP FEEDING MECHANISM
Ernest A. Tesch, Jr., Chicago, Ill., assignor to Phoenix Metal Cap Co., Inc., Chicago, Ill., a corporation of New York
Application March 19, 1948, Serial No. 15,822
13 Claims. (Cl. 113—114)



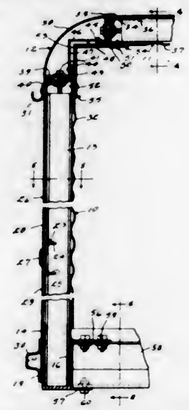
1. The combination of a stack holder for caps and a feeding mechanism associated therewith comprising a continuously rotating carrier, a plurality of cap carrying devices disposed substantially radially of said carrier, each cap carrying device including an inner section pivoted to the carrier so as to swing in a plane parallel with the face of the carrier and an outer section having telescoping engagement with the inner section and connected to the carrier so that it may move radially of the carrier as well as circumferentially of the carrier, and means operating in succession on the outer section of said cap carrying devices for moving the same radially into contact with a cap in the stack holder and for simultaneously giving thereto a circumferential retrograde movement on the carrier as said cap carrying device moves toward and from the stack holder.

2,600,139
INSTRUMENT FOR SCRIBING CIRCULAR ARCS ON A WORKPIECE ABOUT A FIXED CENTER
James Thomas, Berwick, Pa.
Application November 24, 1948, Serial No. 61,785
1 Claim. (Cl. 33—27)



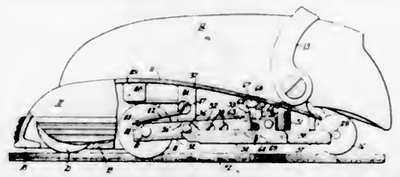
In a radius locator, in combination, a solid cylindrical bar provided with an upper longitudinally extending flat plane face, a scriber adjustably mounted on said bar and including a cylindrical head having a boss provided with a transverse bore for slidably receiving said bar, said boss terminating in a threaded stem, a shank extending from said head and including a vertical section extending downwardly from said stem, said vertical section terminating in an inclined section, a resilient tapered sleeve arranged on the lower end of said shank, a pointer removably positioned in said sleeve, a knurled nut for maintaining said pointer in said sleeve, a centering instrument including an adjustable centering body member provided with a transverse bore for slidably receiving said bar, a threaded stem extending from said body member, a lock nut mounted on said last named stem and terminating in a swivel pin for attachment to an instrument, a centering pin arranged below said body member, means for clamping the centering pin in place, a screw rod arranged in spaced parallel relation with respect to said bar and having an end secured to said body member, a setting head mounted on said bar, a set screw extending through said setting head and engaging the flat face of said bar, said setting head being provided with a bifurcated end for the projection therethrough of said screw rod, and a traveling nut arranged in the bifurcated end of said setting head and mounted on said screw rod.

2,600,140
COMMERCIAL TRUCK BODY
John H. Torseth, Fargo, N. Dak.
Application April 26, 1948, Serial No. 23,325
1 Claim. (Cl. 296—28)



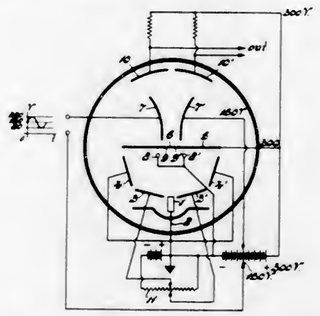
A vehicle body comprising opposite side panels, opposite end panels, a top panel, connecting means between the upper edges of said side and end panels and said top panel, transverse floor beams, and means at the lower portions of said side panels supported by said floor beams, each side panel including inner and outer walls, vertical studs between said inner and outer walls, horizontal flange extending from the inner side substantially longer than the outer side, said vertical beams at their lower ends seating in said lower member and being fixed between the upright sides of said U-shaped member, a lower horizontal flange extending from the inner side of said U-shaped member substantially coplanar with the bight of the latter, a second horizontal flange carried by the inner side of said U-member spaced upwardly from said lower flange, and means securing the ends of said floor beams between said flanges.

2,600,141
VACUUM CLEANER WITH HEIGHT ADJUSTMENT
Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 2, 1946, Serial No. 688,070
3 Claims. (Cl. 15—358)



1. In a vacuum cleaner having a main body, of which the forward end is formed into a nozzle portion having a wide lip; the combination of a pair of wheels rotatably mounted on the rear under side of said main body thereby to support a portion of the weight of said body, a support member formed from a channel bar having a web and flanges, the channel bar being bent into the form of a U having a pair of straight arms and having a web substantially vertical and flanges outfacing, a pair of axle pins attached to said main body, and each of said pins pivotally connected to one leg of said U-shaped support member at a point intermediate the ends thereof, a support wheel rotatably mounted on the forward end of each of said arms, a foot-pedal lever pivotally mounted on one of said axle pins, a pair of clutch members for holding said foot-pedal lever to one of said arms, a spring extending between said support member and said body, said spring being of insufficient strength, of itself to hold the nozzle portion of said body in elevated position, said spring, however, yieldingly supporting a portion of the weight of said body from said support member, a second spring extending between said foot-pedal lever and said body for supporting one end of said foot-pedal lever, said second spring being of sufficient strength to move said foot-pedal lever upwardly and when said clutch members are engaged to depress simultaneously the forward wheels to effect elevation of the nozzle portion, a stop carried by said main body for limiting the upward movement of said foot-pedal lever, and a second stop carried by said body for disengaging said clutch members when said foot-pedal lever is moved downwardly against said second spring.

2,600,142
ELECTRON-DISCHARGE TUBE
Adrianus Johannes Wilhelmus Marie van Overbeek, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 5, 1950, Serial No. 188,558
In the Netherlands October 28, 1949
2 Claims. (Cl. 313—72)



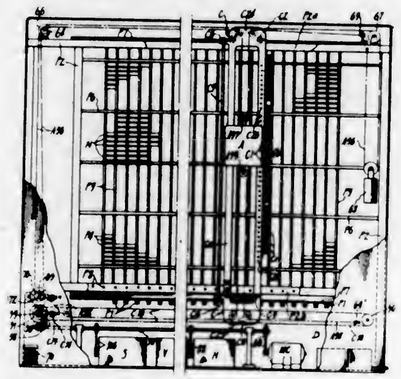
1. An electron-discharge tube comprising an electron-gun which produces a ribbon-shaped beam, said electron gun comprising a cage having walls constituted by a set of plate-shaped electrodes and an elongated cathode mounted in the plane of one of the walls of the cage, an accelerating electrode mounted opposite the cathode, said accelerating electrode having a slit-shaped aperture, a plurality of rods mounted within the cage between the accelerating electrode and the cathode and arranged symmetrically with respect to the said slit, each of said rods being spaced from the accelerating electrode a distance which is at most ⅓ of the distance from the accelerating electrode to the cathode, the distance of each of the rods from the remaining plate-shaped electrodes corresponding at least to the distance from each rod to the nearer edge of the slit provided in the accelerating electrode.

2,600,143
CELLULOSE SPONGE YARN
Sidney P. Vaughn, San Diego, Calif.
Application February 14, 1947, Serial No. 728,566
1 Claim. (Cl. 154—53.6)



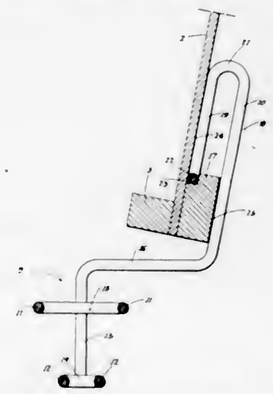
A mop yarn comprising an elongated substantially thick cellulose hydrate sponge body which is flexible and compressible and includes a core integral therewith, and a plurality of flexible cotton reinforcing strands extending longitudinally of the body and embedded within the body and anchored thereto adjacent to the outer face of the body, the outer sides of the reinforcing strands being uncovered and extending to the outer face of the body, the reinforcing strands being arranged in a group surrounding the core.

2,600,144
REMOTE-CONTROLLED PLURAL REGISTERING APPARATUS
Henry George Watson, Camberwell, Victoria, Australia, assignor to Stocklock Proprietary Limited, Melbourne, Victoria, Australia, a company incorporated in Victoria, Australia
Application April 16, 1948, Serial No. 21,438
In Australia July 9, 1947
4 Claims. (Cl. 235—61)



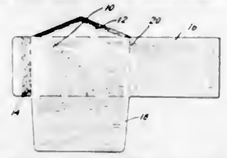
1. Registering apparatus comprising a plurality of adjustable register devices arranged in columns and rows whereby each such register device is identifiable by the column and row containing same, an actuating device movably supported adjacent said register devices and adapted for alternative driving engagement therewith, means operable to select any required register device for operation by said actuating device, means including reversing gearing operable to move said actuating device parallel to the columns of register devices, means including reversing gearing operable to move same parallel to the rows of said register devices, means operable to arrest the actuating device in register with that column which contains the selected register device, means operable to arrest the movement of the actuating device in register with that row which contains the selected register device, direction sensing means operable to cause said actuating device, when in register with any of said register devices, to move directly towards that column which contains a subsequently selected register device, a second direction sensing means operable to cause said actuating device to move directly towards that row which contains said subsequently selected register device, and means operable when said actuating device is moved into register with a selected register device, to effect a predetermined adjustment of the latter by said actuating device, each of said direction sensing means comprising a series of electromagnets one for each column or row as the case may be of register devices, means operable when any particular register device is selected for operation to energise momentarily and in sequence all those electromagnets in each series thereof which intervene between one end of the respective series and that electromagnet which corresponds to the column or row as the case may be containing the selected register device, means operable after said selected register device has been adjusted to energise said intervening electromagnets momentarily in the reverse order and switching means operable by said electromagnets to control the respective reversing gearing, said switching means being movable in unison with said actuating device and parallel to said series of electromagnets, whereby said switching means is operated upon energisation of that particular electromagnet which occupies a predetermined position relatively to said actuating device.

2,600,145
DRAWING EASEL
Leslie L. Westcamp, Fair Oaks, Calif.
Application May 9, 1949, Serial No. 92,218
6 Claims. (Cl. 45—129)



1. In combination with a drawing easel which includes an upstanding, forwardly facing panel some distance above the floor; a transversely elongated rack disposed horizontally adjacent the lower edge of said panel, and means mounting the rack in connection with the panel; said means including end elements on the rack extending rearwardly beneath the panel, upstanding hangers on the rear ends of the elements, said hangers having a cross rod extending therebetween, and a cross cleat on the back of the panel, the cross rod being normally supported by said cross cleat but disengageable therefrom upon relatively slight upward movements of the hangers.

2,600,146
ENVELOPE
Harlan M. Whitman, West Hartford, Conn., assignor to Curtis 1000, Incorporated, Hartford, Conn., a corporation of Minnesota
Application October 2, 1947, Serial No. 777,401
2 Claims. (Cl. 229—92.1)



1. An envelope comprising a central panel, a side panel extending from one edge thereof, a flap extending from said central panel at the opposite edge from said side panel, said flap being partially gummed and having a free edge under which said side panel may be tucked when folded, a second panel extending from another side edge of said central panel, and a gummed flap from another edge of said central panel to which said second panel may be attached.

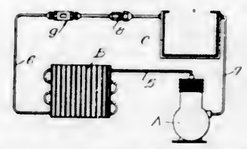
2,600,147
VERTICAL LUMBER SEPARATOR
Eugene Dewitt Wilson, Memphis, Tenn.
Application April 12, 1948, Serial No. 20,518
2 Claims. (Cl. 209—90)



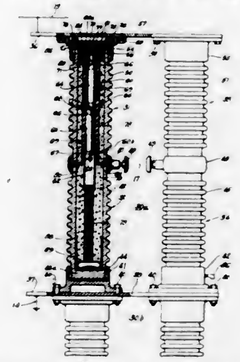
1. A lumber separator comprising a support, a horizontal conveyor carried by said support, a plurality of vertical and parallel partitions disposed above said conveyor and which partitions, commencing with the innermost pair thereof, are spaced progressively decreasing distances apart from each other thereby forming groups of lumber chambers, said chambers being of various widths with the larger width chambers being at the center of the group and the smaller width chambers being at the sides of the group to accommodate lumber of various thicknesses, lateral lumber sizing openings in said partitions which are horizontally staggered with respect to each other and which open into and interconnect said chambers, said openings being of predetermined heights to accommodate predetermined widths of lumber, the center partitions being longer than the side partitions so that the sizing openings of the center chambers start beyond the terminal of the next adjacent partition, and lumber ejectors carried by said partitions directly opposite said openings to urge the lumber through the openings.

2,600,148
LIQUID CIRCULATION INDICATOR
Albert Wittlin, Chicago, Ill.
Application May 3, 1950, Serial No. 159,799
4 Claims. (Cl. 116—117)

1. For interposition in a fluid circulatory system, an indicator comprising an elongated tubular housing having window openings at substantially opposite points and circumferentially spaced from each other, an arcuate transparent panel positioned within each window opening to occupy space wholly within the confines thereof, a transversely ogee frame of resilient material surrounding each panel and having its outer marginal portions engaged therewith upon the outer convex face thereof and extending between its margins and those of the surrounding window opening and having its inner marginal portions engaged with the inner concave face of the housing, the frame being affixed by sealing connections with the panel and with the housing at its points of engagement therewith, said frame having between the affixed connections an intermediate resilient portion spaced from the housing and the panel and extending entirely around the panel and providing for the panel a fluid-tight floating mounting within the window opening of the housing.



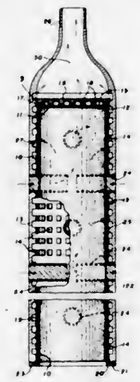
2,600,149
PROTECTIVE SYSTEM
Edward H. Yonkers, Chicago, Ill., assignor to Joslyn Mfg. and Supply Company, Chicago, Ill., a corporation of Illinois
Application August 30, 1949, Serial No. 113,069
14 Claims. (Cl. 175—30)



4. Protective apparatus comprising a pair of terminals adapted to have an alternating system voltage and fast rising transient voltages impressed thereacross, a pair of expulsion type lightning arresters and an isolating gap connected in series between said terminals with said isolating gap connected between said arresters, capacitance means connecting each of said arresters directly across said terminals, and a resistive impedance shunting each of said arresters, the resistive impedance shunting each arrester being, at the system voltage frequency, a minor fraction of the capacitive impedance of the capacitance means connecting the associated arrester across said terminals and the latter impedance being, at the system voltage frequency, a minor fraction of the capacitive impedance of the associated arrester, whereby a minor fraction of the system terminal voltage normally appears across each of said arresters and a major fraction of said system terminal voltage normally appears across said gap and whereby the decrease in said capacitive impedances relative to said resistive impedances resulting from the appearance of a fast rising

transient voltage between said terminals causes a major fraction of the terminal transient voltage to appear across each of said arresters without substantially decreasing the fraction of the terminal voltage appearing across said gap.

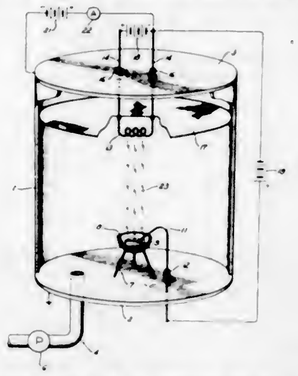
2,600,150
WELL SCREEN
Guss F. Abendroth, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application November 9, 1950, Serial No. 194,743
4 Claims. (Cl. 166—5)



1. A borehole screen for wells producing fluids comprising a cylindrical, permeable filter sleeve composed of sintered metal forming an inner chamber; a finely divided, permeable consolidated aggregate filling said chamber; a tubular member surrounding said sleeve, the interior surface of said tubular member and the outer surface of said sleeve forming an annular space therebetween; spacing means disposed in said annular space for supporting said screen, said spacing means being arranged to permit fluid to flow longitudinally within said annular space; a transverse plate in said tubular member affixed thereto arranged to permit fluid to flow from the space between said sleeve and said tubular member to the space in said tubular member above said plate; and means adapted to permit the passage of borehole fluids into said inner chamber, whereby fluids pass from the borehole through said means into the inner chamber, thence through said sleeve into the space between said sleeve and said tubular member.

2,600,151
ION PRODUCING MECHANISM
John G. Backus, Los Angeles, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 15, 1946, Serial No. 690,804
4 Claims. (Cl. 250—41.9)

1. A device for producing ions comprising a vacuum envelope, an anode therein made of material to be ionized, an electron emissive cathode that supplies electrons for the bombardment of the material, a grid at cathode potential extending across the vacuum envelope in the region of the cathode, an electrode in the vessel disposed on the opposite side of the grid with respect to the cathode, a current reading meter connected to the electrode, and means for applying potential



to the electrode that is negative with respect to the grid.

2,600,152
SHOWER CURTAIN
Perry Blatt, Chicago, Ill.
Application October 31, 1950, Serial No. 193,213
2 Claims. (Cl. 160—124)



1. A shower curtain of a type to be slidably supported on a bar to be extended the full length of the bar or bunched in folds at one end of the bar, said curtain comprising a sheet of flexible material of a width extendable the length of the bar, means upon the upper edge of said curtain for attaching same to said supporting bar at a plurality of horizontally spaced weight bearing points, and a flexible flap extending the width of said sheet and attached to the back of said sheet of flexible material along the upper edge thereof, said flap being of a depending length sufficient to loop upwardly and over said supporting bar and to hang downwardly from the supporting bar to a level well below said supporting means to conceal the bar and the supporting means when the flap is moved to such position, the depending portion of said flap as looped over the bar in such position being of sufficient weight to assist in supporting said sheet of flexible material between said spaced points to prevent sagging of the sheet of flexible material between said spaced points.

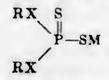
2,600,153
MOVABLE SHEET PRODUCTION-CONTROL DEVICE WITH SHEET GUIDING MEANS
Charles T. Breitenstein, Chicago, Ill., assignor of one-half to Raymond T. Moloney, Chicago, Ill.
Application April 18, 1947, Serial No. 742,481
3 Claims. (Cl. 35—24)



1. A production control device or the like, comprising a housing having a viewing table thereon; a pair of rollers windably engageable respectively with opposite end portions of a sheet for moving it across said table; index means spaced from said table and extending along one edge thereof transversely of the direction of movement of said sheet; and comparator means extending across said index means and table in a direction parallel to the movement of said sheet and movable in a direction parallel to said index means across said table for visually indicating comparisons of indicia on said index means and sheet; each said roller having a fixed flange at one end and a reciprocal flange at the other end parallel to said fixed flange and movable toward and away from said fixed flange, the fixed flanges of said rollers being co-planarly aligned to provide a guide for one edge of said sheet; and means yieldably urging the reciprocable flanges of said rollers toward said fixed flanges and against the opposite edge of said sheet for maintaining the first said edge of said sheet against said fixed flanges regardless of variations in the width of said sheet.

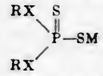
2,600,154
ANTIOXIDANT
William H. Brugmann, Jr., Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 1, 1950, Serial No. 159,385
18 Claims. (Cl. 252—46.7)

1. A petroleum hydrocarbon product containing dissolved therein 0.01 to 10% by weight of a product prepared by first heating about two molecular proportions of a phenol with one molecular proportion of phosphorus sulfochloride at a temperature of about 100 to 160° C. for a period of time sufficient to produce a reaction product which, after separation of any unreacted phosphorus sulfochloride, contains at least 1% by weight each of sulfur and phosphorus and at least 0.75% by weight of chlorine, and further reacting such reaction product with an amount at least equivalent to the chlorine present in such reaction product of a metal salt of the formula—



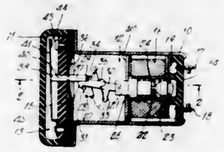
where R is a hydrocarbon radical containing 2 to 30 carbon atoms, X is an element selected from the group consisting of oxygen and sulfur, and M represents the hydrogen equivalent of a metal selected from the group consisting of alkali and alkaline earth metals, by heating together at a temperature of about 50 to about 160° C. for a period of time sufficient to produce a final reaction product which, after separation of the by-product metal chloride, contains not more than 0.5% by weight of chlorine.

14. The process which comprises first heating about two molecular proportions of a phenol with one molecular proportion of phosphorus sulfochloride at a temperature of about 100–160° C. for a period of time sufficient to produce a reaction product which, after separation of any unreacted phosphorus sulfochloride, contains at least 1% by weight each of sulfur and phosphorus and at least 0.75% by weight of chlorine, and further reacting such reaction product with an amount at least equivalent to the chlorine present in such reaction product of a metal salt of the formula—



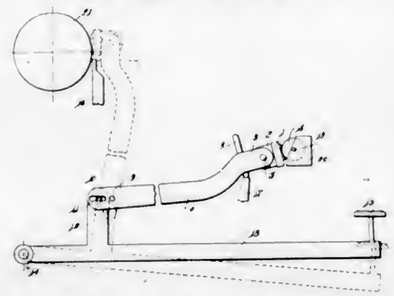
where R is a hydrocarbon radical containing 2 to 30 carbon atoms, X is an element selected from the group consisting of oxygen and sulfur, and M represents the hydrogen equivalent of a metal selected from the group consisting of alkali and alkaline earth metals, by heating together at a temperature of about 50 to about 160° C. for a period of time sufficient to produce a final reaction product which, after separation of the by-product metal chloride, contains not more than 0.5% by weight of chlorine.

2,600,155
SEQUENCE RELAY
John B. Cataldo, Bernardsville, and Elbert De F. Tidd, Clinton, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application March 11, 1950, Serial No. 149,128
7 Claims. (Cl. 200—87)



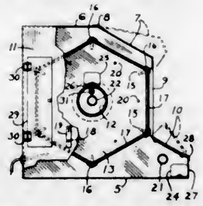
1. An electromagnet relay adapted for operation in any position, including in combination, an oscillatory member mounted for oscillatory movement about an axis, abutment means carried by the oscillatory member on opposite sides of said axis, a shifting-reciprocatory member adapted to shift between said abutments to engage the latter selectively in unidirectional driving connections to move the oscillatory member first in one direction and then the other, electromagnetic means for effecting reciprocatory movement of the shifting-reciprocatory member in a direction substantially transverse with respect to the mean position of the oscillatory member, the unidirectional driving connections between the shifting-reciprocatory member and the oscillatory member being effective for only one direction of reciprocation of the shifting member, a single spring member connected between the shifting-reciprocatory member and the oscillatory member, said spring member being constructed and arranged to afford resilience in both compression and tension, said spring member being activated upon reciprocatory movement of the shifting-reciprocatory member and concurrent resulting movement of the oscillatory member, thereby to urge the shifting-reciprocatory member from one abutment toward the other, and work means connected to be actuated by said oscillatory member.

2,600,156
INKING DEVICE FOR TYPEWRITERS
Enrique Cerceau, Cordoba, Argentina
Application March 17, 1948, Serial No. 15,409
9 Claims. (Cl. 197—37)



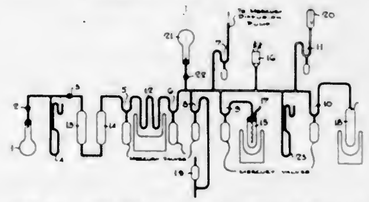
1. In a typewriter having a rotatable platen and type arms oscillatable from a position of rest to a work position adjacent the platen, typeholders pivoted on the outer ends of the type arms for approximately 90 degrees oscillation, an inking device adjacent the rest position of the type arms, a fixed abutment adjacent the rest position of the type arms, and means carried by the type arms and cooperating with the fixed abutment for swinging the typeholders into alignment with the type arms and into contact with the inking device as the type arms approach the rest position.

2,600,157
ILLUMINATED CABINET WITH ROTATABLE MEANS FOR ADVERTISING DISPLAY
John Chrastina, Decatur, Ill.
Application February 27, 1948, Serial No. 11,384
3 Claims. (Cl. 40—77)



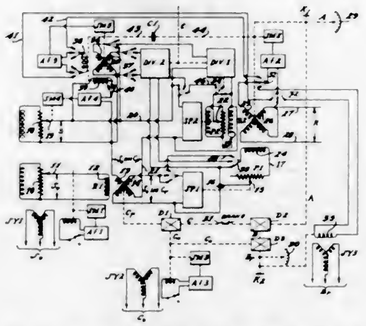
1. In an advertising display device of the character described and comprising a cabinet having a sight-opening and containing a drum of polygonal cross-sectional form, the several flat angular sides of the drum comprising removable and replaceable panels carrying advertising indicia thereon, the drum structurally comprising a rigid body frame portion including polygonal end plates, radially disposed L-shaped angle brackets at the edge corner portions of said end plates, the brackets secured respectively with one leg of each to the end plate and its other leg disposed a definite distance peripherally from and projecting at a right angle inwardly from the plate, and longitudinal retainer bars of angular cross-section corresponding to the angular relation of the polygonal sides of the drum end plates, the bars respectively being secured at their opposite ends to the inturned legs of an alined pair of the angle brackets on the drum end plates, and the removable and replaceable advertising-carrying panels of the drum consisting of rectangular panel plates slidably insertable and removable endwise into and out of place on the body frame and each advertising panel plate in place having its end edge portions resting on corresponding edges of the pair of end plates of the drum and the longitudinal side edge portions of the panel plates being fitted retentively under the adjacent flange portions of the respective longitudinal retainer bars of the body frame and the corner edge portions of said panel plates laterally abutting the angle brackets as interposed between them.

2,600,158
PROCESS FOR HYDROCARBON GAS MIXTURE ANALYSIS
Archie T. Clothier, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 6, 1947, Serial No. 772,561
1 Claim. (Cl. 23—232)



Process for analyzing a gas mixture for its content of hydrocarbons of two to five carbon atoms wherein such hydrocarbons are present in minute quantities in admixture with methane and with relatively large quantities of oxygen and nitrogen which comprises placing said mixture in a separation zone at a temperature of about −196° C. and at a pressure below about 2 millimeters of mercury, whereby hydrocarbons boiling above methane are condensed while methane, oxygen and nitrogen remain uncondensed, removing methane, oxygen and nitrogen from the condensed hydrocarbon gases, transferring the remaining condensed gases comprising a hydrocarbon fraction of 2 to 5 carbon atoms from said separating zone into a distillation zone maintained at a temperature of about −196° C. and at a pressure of about that of the vapor pressure of mercury, bringing said distillation zone into communication with an evacuated combustion zone cooled to a temperature of about −196° C., raising the temperature of said distillation zone sufficiently to cause a measurable increase in pressure in said zone, maintaining said increased temperature until the completion of distillation of the hydrocarbon exhibiting the lowest boiling point in the hydrocarbon fraction is indicated by a drop in pressure, cutting off communication between said distillation zone and said combustion zone, raising the temperature in said combustion zone to about −80° C., measuring the pressure exerted by the resultant expanded hydrocarbon gas in a zone of known volume whereby the quantity of said lowest boiling hydrocarbon is determined, determining the molecular weight of said lowest boiling hydrocarbon by measuring its viscosiity at the indicated pressure, recondensing said hydrocarbon gas in said combustion zone by recooling said zone to about −196° C., introducing oxygen into said combustion zone under a pressure of about 2 millimeters of mercury, isolating said combustion zone and raising its temperature to ordinary room temperature, burning the mixture of hydrocarbon gas and oxygen by means of an electrical discharge, condensing the combustion products by recooling said combustion zone to about −196° C., removing excess oxygen, raising the temperature of the combustion zone to about −80° C., measuring the pressure exerted by the resultant expanded gas in a zone of known volume and determining the amount of carbon dioxide produced by said burning by comparing said last named pressure with the pressure exerted by said particular hydrocarbon when the temperature of said combustion chamber was previously raised to about −80° C. prior to said burning, and successively distilling each higher boiling hydrocarbon in said distillation zone and subjecting the thus separated hydrocarbon to the viscosity measuring, burning and associated steps in the manner aforesaid whereby each hydrocarbon of from 2 to 5 carbon atoms and the composite concentration of hydrocarbons of two to five carbon atoms in the gas sample are determined.

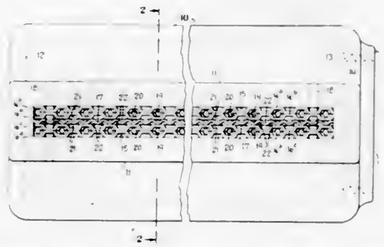
2,600,159
COURSE INTERCEPTION NAVIGATIONAL COMPUTER
William K. Ergen, Oak Ridge, Tenn., assignor to Radio Corporation of America, a corporation of Delaware
Application August 13, 1948, Serial No. 44,203
3 Claims. (Cl. 235—61.5)



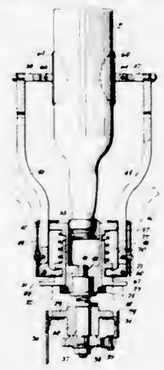
1. In a computer for controlling the launching of a vessel to be guided from a mother vessel to a target vessel, means to establish first voltages which are values of the x and y components of an estimated initial range of the target vessel as resolved on a system of coordinates having its x axis along the estimated course of said target vessel and its y axis at right angles thereto, the combination of means controlled in accordance with the speeds of said target and mother vessel and with the relative course of said mother vessel to vary said first named means responsive thereto for producing voltages proportional to the x and y components of said target vessel's range subsequent to the time of establishment of said estimated initial range component voltages as resolved on said system of coordinates, and means responsive to said x and y component voltages for continuously estimating the value of said range and the value of the angle between said range and said x-axis.

2,600,160
RIBBON-TYPE GAS BURNER
John H. Flynn, New Rochelle, N. Y.
Application January 5, 1949, Serial No. 69,275
6 Claims. (Cl. 158—116)

1. A ribbon-type gas burner, including in combination: a casing having a slot therein which leads from its interior to its exterior; and a group of transversely corrugated ribbons located in the slot of the said casing; said group of ribbons including at least one ribbon having a plurality of transverse corrugations each shaped to provide an inner gas-restriction portion of relatively small cross-sectional area and a coaxial outer gas-expansion portion having a relatively large cross-sectional area as compared to the said gas-restriction portion and communicating directly with the latter by a sharply converging throat portion; whereby gas escaping from the interior of the said casing will be limited in volume by the said gas-restriction portions and later permitted to expand and slow down in the said gas-expansion portions before emerging through such corrugations.

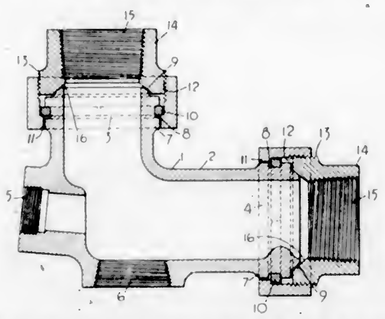


2,600,161
MEANS FOR HOLDING AND MASKING ARTICLES DURING COATING
Frederick Z. Fouse, Lancaster, Pa., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application July 13, 1950, Serial No. 173,492
9 Claims. (Cl. 118—500)



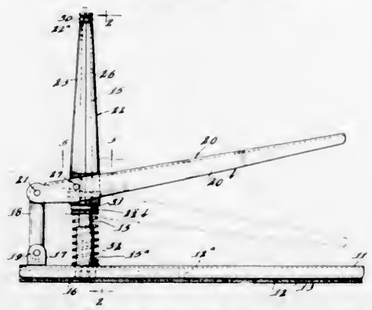
1. In a device of the class described, the combination of means for supporting a bottle and shielding the neck finish thereof, an arm normally extending alongside and rotatable toward and away from a bottle on said supporting means, a shield carried by said arm adapted to normally cover a body portion of the bottle, a member movable lengthwise of said supporting means and operatively connected with said arm for rotating the arm upon movement of the member to move the shield into and out of covering position, and resilient means intermediate portions of said supporting means and movable member for urging said member in one direction with respect to said supporting means.

2,600,162
PIPE COUPLING
Virgil L. Frantz, Roanoke, Va.
Application April 4, 1946, Serial No. 659,519
1 Claim. (Cl. 285—122)



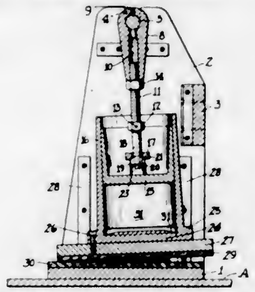
In a pipe coupling comprising a pair of mating members, one of said members having an exterior outwardly facing continuous groove adjacent an extremity thereof, a bearing surface formed on said one of said members adjacent said groove, another of said members having exterior threads and provided with a surface in bearing relation with said first surface, one of said surfaces being convexly arcuate in cross-section and said other surface being conical, a split spiral spring ring disposed within said groove and being of a width substantially less than the width of said groove and of a thickness greater than the depth of said groove, and a collar having interior threads at one end for interlock with the exterior threads of said other of said members and an internal flange at its other end overlapping an end of said split spring ring remote from said bearing surfaces; the inside diameter of said internal flange being less than the outside diameter of said split spring ring and substantially greater than an outside diameter of said grooved member, and the inside diameter of said collar being greater than the outside diameter of said ring.

2,600,163
FINGER RING STRETCHER
Earle G. Henry, Wilmette, Ill.
Application September 25, 1946, Serial No. 699,211
2 Claims. (Cl. 29—8)



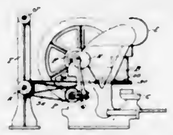
1. A finger ring stretcher comprising a base, a stationary tapered stem rising from the base, an expansible tapered arbor surrounding the stem and divided lengthwise into four equal segments, spring means on the arbor to cause the arbor to be yieldingly held in a contracted condition, a pin extending transversely through two segments of the arbor toward the lower end, at right angles to the plane of division between the latter segments, and having a sliding fit in at least one of such segments, an operating lever having portions lying on opposite sides of the lower end of the arbor and fixed to the ends of the aforesaid pin, and two additional pins on opposite sides of and parallel to said plane, each of the latter pins passing through the two arbor segments on the corresponding side of said plane and being slidable in at least one of the latter segments.

2,600,164
VACUUM GRAVITY PRESS
Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application December 21, 1946, Serial No. 717,749
7 Claims. (Cl. 154—1)



1. A press of the class described comprising a stationary bed or platen, an opposed movable pressure-applying element, a single-acting cylinder attached at its head end to said element, a relatively-stationary piston in said cylinder, and means for exerting suction in the cylinder space to procure movement of said element and said cylinder toward said piston and away from said platen, said piston being rockably mounted, thereby allowing said element to assume an out-of-level position relative to said platen.

2,600,165
PLATEN FOR USE WITH PERFORATING AND CUTTING MACHINES
Edward J. Horgan, Chicago, Ill.
Application January 6, 1949, Serial No. 69,538
6 Claims. (Cl. 164—102)

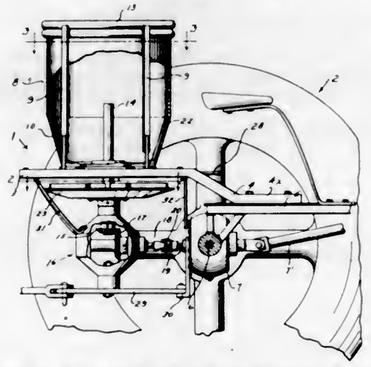


2. In a perforating machine including a frame, punches supported by the frame, a plunger supported in the frame above the punches for vertical reciprocation relative thereto, a drive shaft rotatably supported in the frame, means operative by the drive shaft for reciprocating the plunger, a second shaft, and drive means between the drive shaft and second shaft for imparting step rotation to the latter; the improvement which comprises a platen supported by the lower end of the plunger and including a circular punch-contacting member rotatable about a vertical axis, and a belt drive connection between the second shaft and said member for imparting intermittent rotation thereto.

2,600,166
PURIFICATION OF ORGANIC ACIDS
William B. Hughes, Barnsdall, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
Application February 9, 1949, Serial No. 75,495
5 Claims. (Cl. 202—57)

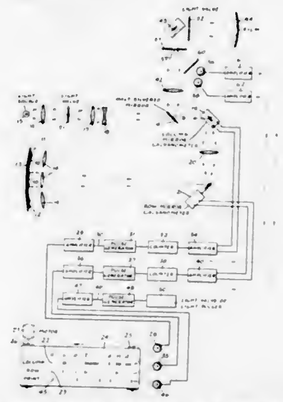
3. The process of refining carboxylic acids including treating a carbonyl-containing mixture of carboxylic acids including acetic acid, with a reagent selected from the group consisting of red lead and lead tetraacetate, fractionating the reaction mixture and recovering substantially pure acids.

2,600,167
FERTILIZER AND SEED BROADCASTING APPARATUS
Denzil E. Jones, El Monte, Calif.
Application May 8, 1947, Serial No. 746,686
2 Claims. (Cl. 275—8)



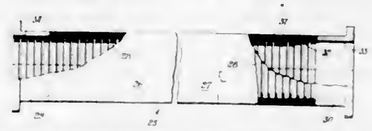
1. In a machine for broadcasting finely divided materials of the type operated by a tractor having a power take-off shaft, a frame attached to the rear of the tractor, a supply hopper supported by the frame and having a lower wall provided with a pair of spaced apart discharge slots therein, a valve plate rotatably supported by the hopper beneath the lower wall thereof and having a pair of spaced apart openings adapted to be brought into registry with the aforesaid slots to control the amount of material discharged from the hopper, a handle on the valve plate extending to a point adjacent the operator of the tractor to permit rotation of the said valve plate, a vertical shaft extending into the hopper, the said spaced apart slots being located forwardly of the said vertical shaft, vanes secured to the shaft immediately above the lower wall of the hopper, each vane including a horizontal portion overlying the lower wall of the hopper, and an angular portion extending upwardly from the free end of the horizontal portion in parallel relation to the hopper wall to prevent clogging of the openings and move the material downwardly to the openings, a concave distribution disc having radially extending blades mounted on said shaft below the hopper to receive the material from the hopper and elevate and distribute the material in a half circle rearwardly of the tractor, a bevel gear on the said shaft at the lower end thereof, a driven shaft coupled with the power take-off shaft and a bevel gear on the free end of the said driven shaft meshing with the bevel gear on the said vertical shaft whereby rotation of the driven shaft will effect rotation of the vertical shaft and the concave distribution disc.

2,600,168
PHOTOPRINTING DEVICE
Battle H. Klyce, Stamford, Conn., assignor to Time, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1949, Serial No. 83,620
18 Claims. (Cl. 95—4.5)



1. In a projection system, the combination of a member carrying a plurality of rows and columns of characters thereon backed by specular reflecting means, a source of light, means forming an optical path between said light source and said character bearing member for directing light in one direction from said source to a selected character and for transmitting an image of said character in the opposite direction thereover, said path forming means including a pair of reflector members, and means for adjusting the positions of said reflector members with respect to said character bearing member to direct light from said source to a character to be projected.

2,600,169
FLEXIBLE WAVE GUIDE MATCHING SECTION
John M. Lamb, Summit, N. J., assignor to Co-Operative Industries, Inc., Chester, N. J., a corporation of New Jersey
Application May 31, 1947, Serial No. 751,561
3 Claims. (Cl. 178—44)



1. In a flexible wave guide constructed in the form of a hollow tube and adapted to the efficient propagation therethrough of ultra-high frequency wave energy, in combination, a corrugated section to permit bending of the guide, a non-corrugated section of equivalent electrical size with respect to the corrugated section for

the attachment of fittings or the like, and an intermediate section extending from the corrugated to the non-corrugated sections consisting of stepped corrugations.

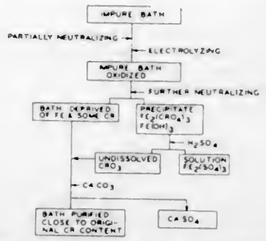
2,600,170
MOLECULAR RESISTANCE MOTOR CONTROL DEVICE
Willard C. Robinette, South Pasadena, Calif.
Continuation of application Serial No. 476,126, February 16, 1943. This application December 19, 1949, Serial No. 133,890. In Canada May 15, 1944
3 Claims. (Cl. 318—31)



1. In combination, an induction motor; means for supplying a voltage to one phase winding of said motor; means coupled thereto for deriving a voltage from said first means for application to a second phase winding of said motor, said second means including a coupling transformer, an amplifier having its input circuit coupled to the secondary of said transformer and its output circuit coupled to said second phase winding; a phase shift circuit intermediate said transformer and said amplifier, said phase shift circuit including a pair of contacts whose resistance characteristic curve showing the relationship between contact pressure and resistance includes a substantially vertical portion, means for controlling the relative positions of the contacts of said pair of contacts in accordance with the position of said motor and means for further changing the relative positions of the contacts of said pair of contacts in accordance with the direction and speed of rotation of said motor and in response to said rotation.

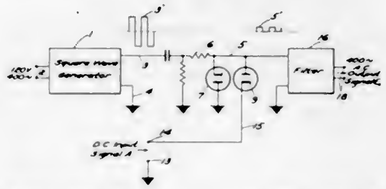
2,600,171
REGENERATION OF CHROMIC ACID BATHS UTILIZED IN ELECTRODEPOSITION OF CHROMIUM
Gunnar Sagen, Copenhagen, Denmark
Application December 29, 1947, Serial No. 794,441
In Denmark October 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 24, 1962
3 Claims. (Cl. 204—51)

1. Method of producing chromic acid solutions substantially free from trivalent chromium and iron from chromic acid baths utilized in the electro-deposition of chromium comprising the treatment of the bath by electrolysis to effect oxidation of trivalent chromium to hexavalent, adding a neutralizing agent selected from the group consisting of alkaline earth carbonates and alkaline earth hydroxides in a quantity sufficient for precipitating the iron of the solution partially in the form of ferric chromate, converting the contents of hexavalent chromium of the precipitate thereby formed into chromic acid



anhydride by a treatment with concentrated sulphuric acid, separating the chromic acid anhydride thereby formed from the solution simultaneously formed and adding the chromic acid anhydride to the original solution neutralized with the alkaline earth compounds.

2,600,172
DIRECT-CURRENT TO ALTERNATING-CURRENT SIGNAL CONVERTER
Ercell E. St. John, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 28, 1949, Serial No. 73,394
6 Claims. (Cl. 321—2)

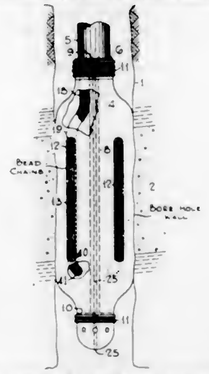


1. Apparatus for producing at its output terminals a variable amplitude square wave voltage signal having an instantaneous peak to peak amplitude substantially equal to a variable amplitude D. C. input signal, comprising a constant amplitude square wave generator for producing an auxiliary square wave voltage signal, means coupling said square wave generator to the output terminals of said apparatus, and two parallel circuits connected across the output terminals, one of said parallel circuits consisting of a unidirectional conduction device, and the other of said parallel circuits consisting of a second unidirectional device and means for connecting in series therewith, in a direction to oppose conduction therethrough, said D. C. input signal, said two unidirectional devices being connected in said two parallel circuits in opposed conducting relationship.

2,600,173
FORMATION TESTER
Ben W. Sewell and George H. Ramsey, Tulsa, Okla., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 26, 1949, Serial No. 123,616
6 Claims. (Cl. 166—10)

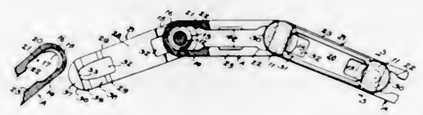
1. In a formation tester including an inflatable elastic packer, the improvement which comprises

at least one tubular member extending from a point interior of the packer to the exterior of the packer, said tubular member being substantially filled with inter-connected packing elements, and



said interconnected packing elements extending from a point within the said tubular member to cover at least a portion of the exterior surface of the said elastic packer.

2,600,174
CONVEYER CHAIN
James William Sheehan, Venice, Calif.
Application November 18, 1948, Serial No. 60,801
11 Claims. (Cl. 74—246)

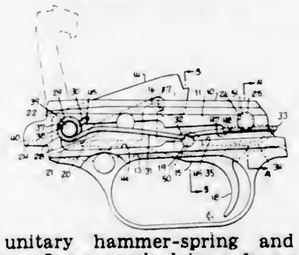


1. In a universally pivoting conveyor chain, a series of link units each comprising a center link, two side links and a pivot pin connecting the center link to the side links; said side links each having two ends loops and means connecting said end loops and cooperating therewith to define elongated apertures arranged longitudinally of the side link at the respective ends thereof, and having a pair of transversely extending outwardly facing notches in each of said end loops; said center link having two end loops and side bars connecting said end loops, said bars having inwardly thickened central portions and thinner end portions connecting the same to said end loops, said thickened central portions, where they join said end portions, defining shoulders which are opposed to said end loops to define at each end of said center link an elongated opening arranged longitudinally of said center link, said center link end loops each having a semi-spherical internal socket; and said pivot pin including a central ball bearing element, trunnions extending from the respective poles of said bearing element and through said side link apertures, and elongated heads on the ends of the respective trunnions, seated in the respective side link notches; said center link shoulders being spaced from their respective opposed end links distances each less than a third of the link length, and functioning as stops to engage said bearing element so as to restrict movement of said bearing element longitudinally of said center links, thereby to reduce telescoping to a minimum.

2,600,175
ELECTRICAL CONTACT
Renzo U. Volterra, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
No Drawing. Application September 11, 1946, Serial No. 696,361
6 Claims. (Cl. 200—166)

3. In combination with an electrical device for making and breaking high current carrying circuits, a high melting point non-sticking composite electrical contact of a highly conductive metal with a relatively thin contacting surface of ruthenium, the thickness of the ruthenium layer being approximately .0001 inch.

2,600,176
UNITARY HAMMER SPRING AND TRIGGER SPRING FOR FIREARMS
David M. Williams, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application December 13, 1949, Serial No. 132,657
7 Claims. (Cl. 42—69)



1. A unitary hammer-spring and trigger-spring for a firearm embodying a frame-member, a hammer having an apertured hub, a sear, and a trigger having an operative connection with said sear for holding said sear in cocking engagement with said hammer, said unitary hammer-spring and trigger-spring comprising: a helical spring constructed and arranged to be supported in said frame-member and to engage in the apertured hub of said hammer to pivotally mount said hammer in said frame-member; means to secure one end of said helical spring to the apertured hub of said hammer; and a resilient reach at the opposite end of said helical spring, said resilient reach being constructed and arranged to engage and resiliently hold said trigger in a position to hold said sear in cocking engagement with said hammer.

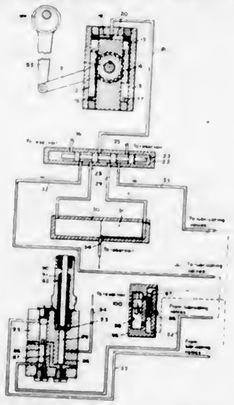
2,600,177
SOCKET WRENCH EXTENSION
Edward Thorne Able and Willard Krieger, Denver, Colo., assignors to B. K. Sweeney Mfg. Co., Denver, Colo., a corporation of Colorado
Application July 14, 1949, Serial No. 104,644
8 Claims. (Cl. 81—57)



1. An extension wrench device comprising: an elongated housing; a power shaft provided with a

wrench-receiving socket mounted in the outer extremity of said housing; a wrench shaft provided with a nut-receiving socket mounted in the inner extremity of said housing; a toothed drive pinion fixedly mounted on said power shaft; a lever arm of greater length than width rotatably mounted on said wrench shaft and projecting to one side only of the latter; an intermediate gear positioned between said pinion and the free extremity of said lever arm within said housing and in mesh with said drive pinion; teeth on the free extremity of said lever arm in mesh with said intermediate gear so that oscillation of said power shaft will be transmitted through said intermediate gear to said lever arm; and means transmitting the oscillation of said lever arm to said wrench shaft.

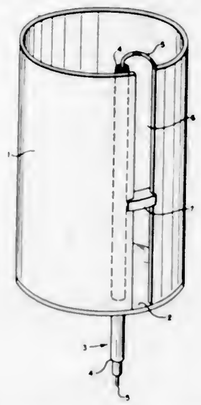
2,600,178
LUBRICATING MECHANISM
George H. Acker, Shaker Heights, Ohio, assignor to The Farval Corporation, Cleveland, Ohio, a corporation of Ohio
Application July 31, 1946, Serial No. 687,474
12 Claims. (Cl. 184—7)



1. In combination, two lubricant supply lines, a pump adapted to supply lubricant to such lines under pressure, means adapted to operate said pump continuously, means adapted intermittently to meter the discharge of said pump alternately to each of said lines, means adapted to connect the line not receiving lubricant to relief, means adapted to regulate the pressure in the line to which lubricant is supplied, and means adapted to direct the discharge of said pump to relief operative when said metering means is not supplying lubricant to either of said lines.

2,600,179
SPLIT CYLINDER ANTENNA
Andrew Alford, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application February 18, 1946, Serial No. 648,547
5 Claims. (Cl. 250—33)

1. A radio frequency antenna for radiating energy in a predetermined frequency range and polarized in planes perpendicular to the axis of its principal component with no deep nulls and with small directivity in its radiation patterns in said planes, said antenna comprising a hollow, substantially cylindrical structure having one end closed and being conductive over most of its exterior surface and non-conductive over a narrow longitudinal strip portion of said surface, said strip having edges which are generally coplanar with the axis of said structure and having an effective length of at least a half wavelength at the lowest frequency in said frequency range and having at least one electrically open end, said cylindrical structure having a circumference substantially equal in physical measurement to sub-



stantially eight-tenths of said wavelength, transmission line feed means having its conductors electrically connected to conductive points on said surface at opposite edges of the open end of said structure and means tuning said slit to a half of said wavelength, the last-named means comprising a shorting bar slideable engaging the edges of said strip.

2,600,180
SOLUTIONS OF POLYMERS OF VINYLIDENE CYANIDE
Alan E. Ardis, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 3, 1950, Serial No. 166,078
12 Claims. (Cl. 260—32.6)

1. A solution of a polymer of vinylidene cyanide in a solvent comprising a compound of the formula

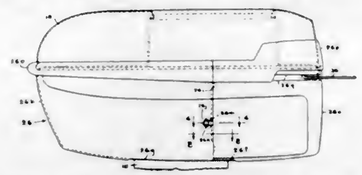


wherein each R is an aliphatic hydrocarbon radical.

2,600,181
OUTBOARD MOTOR WITH REMOVABLE COVER CASING
Daniel A. Armstrong, Minneapolis, Minn., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application April 5, 1948, Serial No. 18,986
10 Claims. (Cl. 123—198)

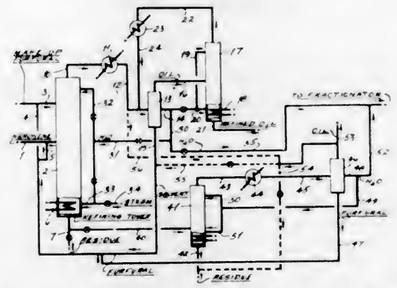
1. In an outboard motor structure comprising a cylinder block, a crank case connected thereto and a carburetor supported on said crank case, the combination, of a gas tank of elongated form in plan supported on said cylinder block, said tank having a bead extending about its sides adjacent its bottom, a cover member comprising a casing open at its upper side and having a groove in its inner side adjacent the top thereof adapted

to receive said bead, said casing fitting about one end portion of said tank and being slidable on



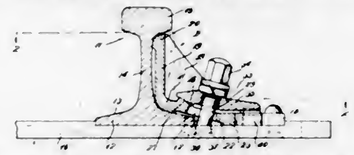
said bead longitudinally of said tank and enclosing said cylinder block, and means for holding said casing in position on said tank.

2,600,182
REFINING KEROSENES AND GAS OIL BY TERNARY AZEOTROPIC DISTILLATION WITH FURFURAL AND WATER
George B. Arnold, Glenham, and Louis Kovach, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 12, 1948, Serial No. 26,688
4 Claims. (Cl. 202—42)



1. In the refining of a mineral feed oil boiling within the range about 275 to 600° F. containing both saturated and unsaturated constituents, said saturated constituents being capable of entering into ternary azeotrope formation with furfural in the presence of water, to separate therefrom a fraction enriched in said saturated constituents by azeotropic distillation with a polar solvent liquid comprising furfural, the method comprising continuously passing fresh feed oil and said polar solvent to a primary distillation zone, subjecting said oil to azeotropic distillation therein in the presence of water and said solvent, supplying water and said solvent to said primary distillation zone in amounts sufficient to form a distillate consisting essentially of a ternary azeotropic mixture of water, solvent and saturated constituents of oil, and containing at least about 50% of the feed oil entering the extraction zone, and said azeotropic mixture boiling below the boiling temperature of water under the pressure prevailing in said zone, continuously and separately withdrawing from said zone said distillate and a residual liquid containing unsaturated constituents of the feed oil, condensing said distillate, subjecting resulting condensate to stratification in a settling zone at a temperature in the range about 100 to 150° F., forming in said settling zone a water-rich liquid layer, an oil-rich liquid layer and a solvent-rich liquid layer, recycling at least a portion of said solvent-rich liquid to said primary distillation zone, passing said oil-rich liquid to a secondary distillation zone, injecting a portion of said water-rich liquid as reflux to said secondary distillation zone, subjecting the oil-rich liquid to azeotropic distillation therein to remove aqueous solvent as a distillate therefrom, recycling said last mentioned distillate to the aforesaid settling zone and withdrawing substantially solvent-free oil as residual liquid from said secondary distillation zone.

2,600,183
RAIL BRACE
George Arnold, Shaker Heights, Harry A. Schults, Garfield Heights, and Edwin E. Rhoads, Solon, Ohio, assignors to Cleveland Frog & Crossing Co., Cleveland, Ohio, a corporation of Ohio
Application November 12, 1948, Serial No. 59,654
20 Claims. (Cl. 238—292)

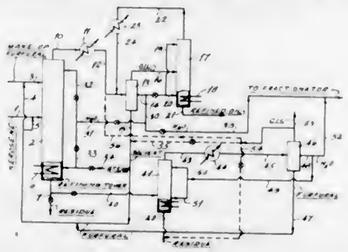


1. A rail brace construction comprising, in combination, a base plate element adapted to be secured to a tie and to support the base of a rail, said base plate element being provided with a fixed stop adapted to be engaged by one of the rail base flanges and with a fixed abutment member spaced from said stop; a block element, and wedge means; said block element being provided with a portion adapted to engage the web of said rail and with a second portion extending outwardly therefrom and overlying said base plate element and adapted to be connected thereto by hold-down bolt means, and a lip part connected with and extending from said second portion and overlying said wedge means; said wedge means being interposed between said second portion and said abutment member with said wedge means, second portion and member having cooperating wedging surfaces and cooperating straight surfaces that cause said wedge means to urge said block element toward said rail; said wedge means, said base plate element and said lip part being provided with cooperating contacting surfaces including wedge tightening surfaces inclined to the horizontal in a direction to cause the force of the hold-down bolt means to react on said tightening surfaces and tend to urge the wedge means at all times, and particularly under the vibrations created by moving trains, to move in a direction to increase the wedging cooperation between said wedging surfaces.

2,600,184
REFINING KEROSENES AND GAS OIL BY TERNARY AZEOTROPIC DISTILLATION
George B. Arnold, Fishkill, and Louis Kovach, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 27, 1951, Serial No. 258,418
6 Claims. (Cl. 202—42)

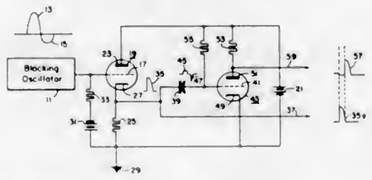
1. In the refining of a mineral feed oil boiling within the range about 275 to 600° F. containing both saturated and unsaturated constituents, said saturated constituents being capable of entering into ternary azeotrope formation with a polar solvent liquid of the class consisting of phenol and aniline in the presence of water, to separate therefrom a fraction enriched in said saturated constituents by azeotropic distillation with said polar solvent liquid, the meth-

od comprising continuously passing fresh feed oil and said polar solvent to a primary distillation zone, subjecting said oil to azeotropic distillation therein in the presence of water and said solvent, supplying water and said solvent to said primary distillation zone in amounts sufficient to form a distillate consisting essentially of a ternary azeotropic mixture of water, solvent and saturated constituents of oil, and containing at least about 50% of the feed oil entering the extraction zone, and said azeotropic mixture boiling below the boiling temperature of water under the pressure prevailing in said zone, continuously and separately withdrawing from said zone said distillate and a residual liquid containing unsaturated constituents of the feed oil, con-



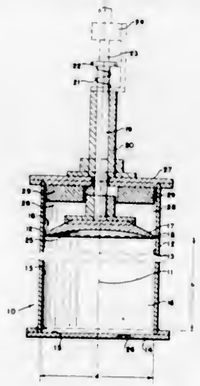
densing said distillate, subjecting resulting condensate to stratification in a settling zone at a temperature in the range about 60 to 150° F., forming in said settling zone a water-rich liquid layer, an oil-rich liquid layer and a solvent-rich liquid layer, recycling at least a portion of said solvent-rich liquid to said primary distillation zone, passing said oil-rich liquid to a secondary distillation zone, injecting a portion of said water-rich liquid as reflux to said secondary distillation zone, subjecting the oil-rich liquid to azeotropic distillation therein to remove aqueous solvent as a distillate therefrom, recycling said last mentioned distillate to the aforesaid settling zone and withdrawing substantially solvent-free oil as residual liquid from said secondary distillation zone.

2,600,185
PULSE DELAY CIRCUITS
Lyttleton W. Ballard, Ilchester, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 12, 1950, Serial No. 179,056
5 Claims. (Cl. 250—27)



1. A gate generating system for generating early and late gate pulses comprising means for generating a damped sine wave of one cycle, a cathode follower circuit, a differentiating circuit, means for applying said sine wave to the input of said cathode follower circuit, means for taking a portion of said cathode follower output to form the early gate pulse, means for applying a portion of said cathode follower output to said differentiating circuit, means for clipping the positive pulse of said differentiating circuit output, and means for inverting the negative portion of said differentiating circuit output to form the late gate pulse.

2,600,186
CAVITY RESONATOR
Alfredo Baños, Jr., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 3, 1945, Serial No. 620,128
3 Claims. (Cl. 178—44)

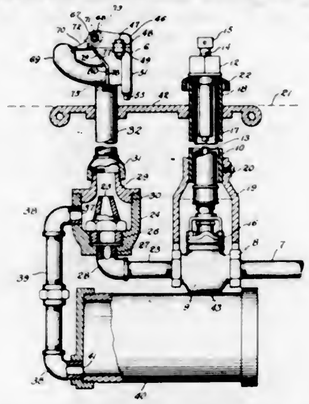


1. A cavity resonator having a desired mode of oscillation comprising: a hollow cylindrical first member; a second member having a plane surface closing one end of said first member, said plane surface being substantially perpendicular to the longitudinal axis of said first member; a third member movable relative to said first member extending into the other end of said first member, said third member having a concave surface facing said plane surface and symmetrically disposed about said longitudinal axis, the periphery of said concave surface being substantially contiguous with the inside surface of said first member and in spaced relationship therewith, whereby the boundaries of said cavity resonator are defined by said plane surface, said concave surface and the inside surface of said first member therebetween, said concave surface having a curvature which subtends an arc of no more than 0.65 radians; and said plane surface, said concave surface and the inside of said first member being composed of highly polished non-magnetic material having a high electrical conductance.

2,600,187
WATER SERVICE FIXTURE
Thomas E. Bart, Cincinnati, Ohio, assignor to The Murdock Mfg. & Supply Co., Cincinnati, Ohio, a corporation of Ohio
Application April 11, 1947, Serial No. 740,813
2 Claims. (Cl. 137—13)

2. A sanitary vacuum breaking head for water service fixtures, comprising a body portion including inlet and outlet ports, and a vacuum breaker passageway, a cover member secured to and carried by said body portion, said cover including a vacuum breaker passageway constructed and arranged to connect the vacuum breaker passageway of said body portion with the

atmosphere, and a hood pivotally secured to said cover, said hood being constructed and arranged

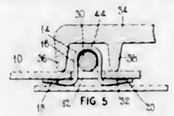


to normally assume a lowered position in housing relationship with said outlet port.

2,600,188
SPADE CONNECTOR
Hugh W. Batcheller, Newton Highlands, Mass.
Application October 6, 1949, Serial No. 119,840
2 Claims. (Cl. 173—363)

1. A member of an electric connector having a plane floor with a pair of parallel longitudinally extending slots therethrough, the portions of the floor between the slots and near the ends thereof being thinner and more resilient than the remainder of the floor.

2,600,189
SOLDERLESS ELECTRICAL CONDUCTOR CLAMP
Hugh W. Batcheller, Newton Highlands, Mass.
Application December 15, 1949, Serial No. 133,081
5 Claims. (Cl. 173—269)



1. An electric connector comprising a plate having a hole therethrough, a strip of spring metal bent to an inverted U shape with the end portions curved outward and upward, the loop of said U projecting up through said hole, the extremities of said strip bearing against the under face of said plate, the opening defined by the loop and plate having a height slightly less than its width when the strip is unstressed.

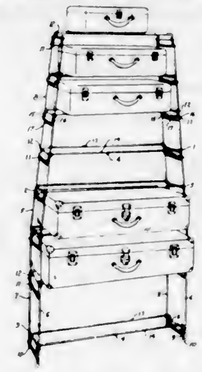
2,600,190
ELECTRIC CONNECTOR FEMALE MEMBER
Hugh W. Batcheller, Newton, Mass.
Application May 8, 1950, Serial No. 160,666
5 Claims. (Cl. 173—363)

1. An electric connector member comprising a piece of malleable sheet metal having portions sharply bent upward and inward to form a channel with overhanging flanges, said channel having two longitudinal parallel slots therethrough



defining a central strip, said strip being upwardly arched and progressively thinner, wider and harder from its ends to its midpoint.

2,600,191
KNOCKDOWN DISPLAY RACK
Benjamin F. Beach, Fairway, Kans.
Application March 14, 1949, Serial No. 81,305
3 Claims. (Cl. 211—148)

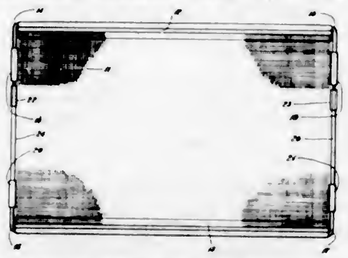


1. A display rack including opposite side members each having laterally spaced legs and vertically spaced pairs of transverse bars with the upper bar of each pair fixed to inner sides of said legs and the lower bar of each pair spaced below and fixed to the outer sides of said legs to provide a pocket between the bars of each pair of transverse bars substantially in plane with the legs of the respective side members, and shelves having parallel rails spaced apart in accordance with the spacing of the legs of the respective side members and having support on the upper transverse bars and provided with terminals extending downwardly over outer sides of said upper transverse bars and into said pockets in parallelism with the legs of the respective side members and in bearing contact with inner sides of the lower transverse bars, and said shelves having ties holding the rails in said spaced apart relation.

2,600,192
FLY SCREEN
John Bell, Dalkeith, Australia
Application November 25, 1949, Serial No. 129,335
In Australia June 2, 1949
4 Claims. (Cl. 160—372)

2. A window screen comprising in combination, a first hollow bar, a second hollow bar spaced from and parallel with said first hollow bar, each bar comprising a portion extending toward the other bar and bent back to form a U-shaped channel, screen wire having two marginal edges respectively secured in the said channels of the said hollow bars, two U-shaped rod members spaced from each other, each of said members having one leg slipped into one end of each of said hollow rod members, hollow tube means re-

spectively associated with each of said rod members intermediate said legs and each provided with an internal thread, and threaded means also respectively associated with said rod members and each engaging one of said internal



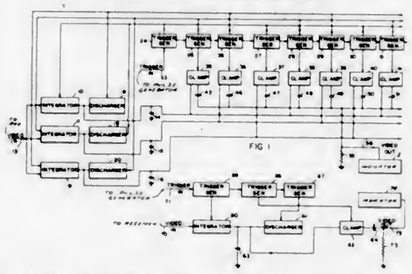
threads thereby effecting adjustability of the length of said U-shaped rod members, said bars, rods, and screen being substantially co-planar so the assembled unit may seal within and about a window opening.

2,600,193

COMPARATOR CIRCUIT FOR MOVING TARGET INDICATION RADAR SYSTEMS

Persa R. Bell, Jr., Oak Ridge, Tenn., and David Gale, New York, N. Y., assignors, by mesne assignments, to United States of America as represented by the Secretary of War

Application April 30, 1946, Serial No. 666,026
8 Claims. (Cl. 343—9)



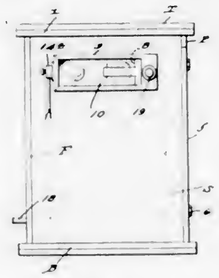
1. A signal comparator circuit comprising first, second and third integrator circuits, means for applying signals to be compared to said three integrator circuits, first, second and third integrating capacitors electrically connected to said first, second and third integrator circuits respectively, first, second and third discharging means electrically connected to said first, second and third integrating capacitors respectively for discharging said capacitors, a series of at least three storage circuits each comprising a clamp circuit, a storage capacitor electrically connected thereto, and a trigger generator controlling said clamp circuit, each said trigger generator in said storage circuits being controlled by a signal from the trigger generator in the preceding storage circuit in the series, an initial trigger generator controlled by an external synchronizing signal, said initial trigger generator controlling the operation of the trigger generator in the first storage circuit in said series, means for connecting said initial trigger generator to said first integrator circuit and to said second discharging means, means for connecting said trigger generator in said first and each third succeeding storage circuit to said second integrator circuit and to said third discharging means, means for connecting the trigger generator in said second and each third succeeding storage circuit to said third integrator circuit and to said first discharging means, means for connecting said trigger generator in said third and each third succeeding storage circuits to said first integrator circuits and to said second discharging means, means for connecting one terminal of said storage capacitor in each of said storage circuits in common and through a resistor to ground, an indicator, and means for applying signals appearing across said resistor to said indicator.

2,600,194

BEE BROODER

Twiggs Bennett, Amite, La.

Application August 30, 1949, Serial No. 113,218
1 Claim. (Cl. 6—1)



In a honey bee brooder, a rectangular housing having one of its sides open, a hinged closure for said open side, a flat electric heating element supported within and on the bottom of said housing, one of the other sides of said housing having an opening adjacent the top end thereof, a second housing mounted on the outer side of the said one side and enclosing said opening, a thermostat within said second housing immediately in front of said opening for controlling an electric current supply to said heating element, the side of the first housing opposite from said hinged closure having an entrance opening spaced above the plane of the top side of said heating element, a landing platform mounted on the outer side of the latter side of the first housing immediately below said entrance opening, and a false bottom of a wire mesh within the first housing spaced above the top side of said heating element and substantially in line with the bottom side of said entrance opening.

2,600,195

SEALING CREVICES IN OIL WELLS

Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application March 31, 1948, Serial No. 18,300
13 Claims. (Cl. 166—22)

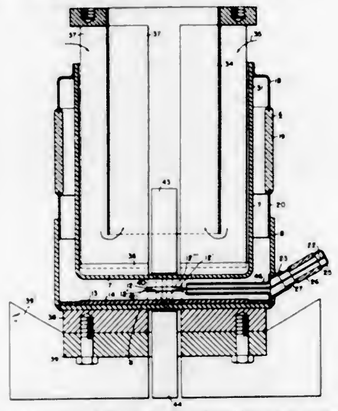
1. In a method of drilling a well in which lost circulation through fissures in the well formation is experienced, the method of counteracting said lost circulation which comprises carrying into said well different sized tough rubbery parboiled macroscopic balls of flour dough composed chiefly of grain flour and containing gluten with a liquid carrying agent and subsequently applying to said well sufficient fluid pressure to cause said dough balls to deposit in said fissures.

2,600,196

GASEOUS-DISCHARGE MAKE-ALIVE DEVICE

John L. Boyer and Joseph Slepian, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 31, 1951, Serial No. 218,584
20 Claims. (Cl. 313—170)



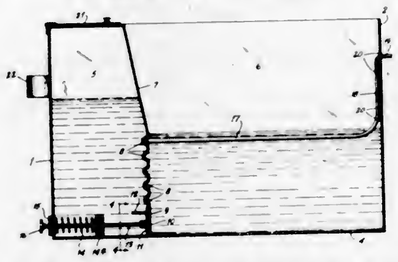
1. An asymmetrically conducting vapor-arc device comprising an evacuated container having two, and only two, main electrodes therein and also having an auxiliary starting-anode therein, the operating portion of one of said main electrodes including a vaporizable reconstructing cathode-material, the operating portion of the other one of said main electrodes including an active face-portion comprising the active main anode of the device, means for separately insulatingly supporting said main anode and said starting-anode so that both are spaced and insulated from each other and from the cathode, and make-alive means including a magnet-means for establishing a magnetic field which is substantially out of alinement with at least a substantial portion of the electrostatic field between said starting-anode and said cathode so as to facilitate a breakdown between said starting-anode and said cathode in order thereby to initiate an arc between the main anode and the cathode.

2,600,197

PAINT CONTAINER AND APPLICATOR

Elmer S. Braun, St. Louis, Mo.

Application July 16, 1945, Serial No. 605,228
7 Claims. (Cl. 15—121.2)



1. In a device of the class described, a container for liquid paint and the like, a roller supporting and guiding frame including a horizontal member, means for supporting one end of said frame at selected elevations by one wall of said container, a second container separated from said first container by a partition wall adjacent the other end of said frame having an inclined flat surface of substantial depth constituting a wiping surface for the roller after it has traversed said frame, said partition wall also having spaced supports for the other end of said frame, and means for selectively establishing communication between said containers.

2,600,198

METHOD OF PREPARING ORGANOHALOGENOSILANES

Stuart D. Brewer, Burnt Hills, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application September 21, 1949, Serial No. 117,070
8 Claims. (Cl. 260—448.2)

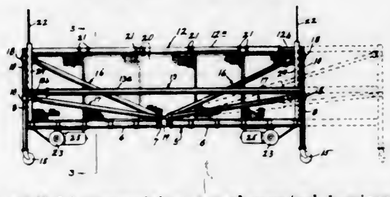
1. The method for obtaining aromatic halogenosilanes which comprises (1) effecting reaction between (*a*) an aromatic hydrocarbon selected from the class consisting of benzene and toluene and (*b*) a halogenosilane corresponding to the general formula $SiH_mX_nR_{4-n-m}$ where X is a halogen, R is a monovalent hydrocarbon radical, and m and n are each integers equal to from 1 to 3, inclusive, the total of m and n being equal to at most 4, said reaction being effected in the presence of a Friedel-Crafts type catalyst selected from the class consisting of halides of aluminum, halides of boron, halides of zinc, and mixtures thereof, (2) removing the formed hydrogen and the desired formed aromatic halogenosilane from the reaction product, (3) adding to the balance of the reaction product consisting essentially of material boiling above and below the boiling point of the desired formed aromatic halogenosilane an amount of aromatic hydrocarbon and halogenosilane described above at least substantially equal to the decrease in weight caused by the removal of evolved hydrogen and desired aromatic halogenosilane from the previously treated reaction mixture and in the stoichiometric proportions required for the formation of the desired aromatic halogenosilane, and (4) effecting reaction again between the newly added ingredients in the presence of the balance of the aforesaid reaction product to form additional quantities of aromatic halogenosilane.

2,600,199

EXTENSIBLE SCAFFOLD

William H. Brewster, Spokane, Wash.

Application March 6, 1948, Serial No. 13,402
1 Claim. (Cl. 304—38)



A scaffold comprising an elongated horizontal frame having front and rear side bars and vertical front and rear corner posts and end bars extending between and rigidly secured to the front and rear corner posts, a rear rail extending between upper portions of the rear posts, a front rail extending between upper portions of the front posts, the side bars and the rails form-

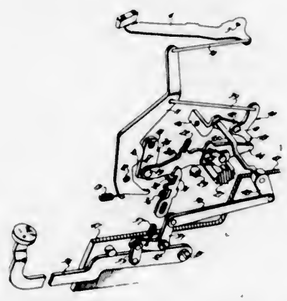
ing front and rear framing, said rails being formed of telescoping tubes having outer ends rigidly secured to the posts, said side bars being formed of tubular end sections having outer ends rigidly secured to the posts and an intermediate section extending between and slidably mounted in the end sections, a platform in said frame extensible longitudinally with the frame, diagonal bars connecting upper ends of the front and rear posts and together therewith forming end framing for the scaffold, guards for the scaffold consisting of collars carried by upper portions of said posts and by the intermediate sections of the side bars and diagonally disposed telescoping bars pivoted at their outer ends to the collars of the posts and at their inner ends being pivoted to the collars of the intermediate sections of the side bars, and screens extending vertically between the side bars and the said rails against outer surfaces thereof in side by side relation to each other with the guards extending diagonally across them and constituting reinforcements for the screens.

2,600,200

REPEAT TYPE ACTION FOR TYPEWRITERS AND LIKE MACHINES

Herbert S. Brink, Olean, N. Y., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware

Application October 19, 1949, Serial No. 122,190
6 Claims. (Cl. 197—17)



1. In a typewriter or like machine, the combination with a type-bar, a power driver, and an actuator link operatively connected with said type-bar and adapted to engage said power driver to receive a power impulse; of a normally ineffective repeat control means, key-operable means to render said control means effective to cause engagement of said actuator link with the power driver, and means independent of said actuator link and operable by said type-bar incident to its typing movement to momentarily disable said repeat control means.

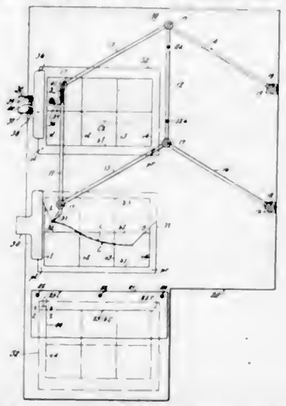
2,600,201

GRAPH DUPLICATION

William F. Brundage and Gerald O. Huntzinger, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 28, 1951, Serial No. 213,086
2 Claims. (Cl. 33—25)

2. Apparatus for duplicating, on a printed graph sheet, a graph line drawn on a like-printed master graph sheet, comprising a board, a pantograph mounted for movement upon the board and including articulated links one of which has positions which are in parallelism for all positions of the pantograph, a stylus and a pen carried by said one link, a punch template plate of transparent material under which the master graph sheet and the duplication sheets are successively placed, said template plate bearing lines at right angles under which the base line and a vertical line of the printed sheet are placed, said template plate having punch guide holes located in a certain relation to said lines on the template plate for the location of holes in the sheets in said certain relation to their base lines, a first set of pins projecting from the board for receiving the holes of the master sheet, said pins being so located as to locate the master sheet base line at right angles to the center line



of the stylus-carrying link, said master sheet having been attached to a stiff backing sheet and portions of these attached sheets having been removed to provide a template edge coincident with one margin of the original graph line, a second set of pins projecting from the board for receiving the holes of the duplication sheet, said second set of pins being located so as to position the duplication sheet with its base line at right angles to the center line of the pen-carrying link and so that, when the stylus engages the starting point of template edge, the relation of the center of the pen to the base line of the duplication sheet will be the same as the relation of the center starting point of the original graph line with respect to the base line of the master sheet, the stylus having a cylindrical, template-edge-engaging surface whose diameter is substantially equal to the width of the original graph line.

2,600,202

METHOD FOR POLYMERIZING CHLOROTRIFLUOROETHYLENE

David W. Caird, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 28, 1950, Serial No. 170,945
11 Claims. (Cl. 204—158)

1. The process for making polymeric chlorotrifluoroethylene which comprises (1) forming an aqueous suspension of a mixture of ingredients having a pH below 5 and comprising (*a*) water, (*b*) chlorotrifluoroethylene, (*c*) boric acid, (*d*) a water-soluble inorganic peroxide polymerization catalyst for (*b*), (*e*) a water-soluble iron salt, and (*f*) a compound oxidizable in the presence

of the polymerization catalyst and the iron salt, said oxidizable compound being selected from the class consisting of oxidizable sulfur-containing compounds, oxidizable nitrogen-containing compounds, oxidizable sugars, and oxidizable polyhydric phenols, and (2) agitating the aforesaid suspension, while maintaining said pH value, in the presence of ultraviolet light for a time sufficient to form the polymeric material.

2,600,203

DOUBLE CYLINDER CIRCULAR KNITTING MACHINE

Carlo Camnasio, Giovanni Aurelio Venturelli, and Giuseppe Colalupo, Milan, Italy, assignors to Officine Moncenisio, gia An. Bauchiero, Turin, Italy, a corporation of Italy

Application November 10, 1949, Serial No. 126,561
In Italy November 17, 1948
4 Claims. (Cl. 66—14)



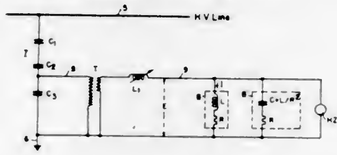
1. In a double cylinder knitting machine comprising a stationary cage, a clamp on said cage supporting the upper cylinder, a device for fitting said cylinder comprising means to fix the angular position of said cylinder with respect to said stationary cage, a ring rotatably mounted between said cage and said supporting clamp, sectors of said ring comprising adjacent sections of different height, said supporting clamp resting on said ring in the region of said sectors and means for rotating said ring.

2,600,204

COMPENSATED POTENTIAL DEVICE CIRCUITS

James T. Carleton, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 15, 1950, Serial No. 156,106
4 Claims. (Cl. 175—294)



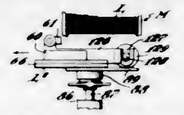
1. The combination of an alternating-current input-circuit, a burden connected thereto and having any equivalent burden-inductance and any equivalent serially connected burden-resistance, and a capacitive-impedance compensator-device connected in shunt to said burden and having a compensator-resistance which is substantially equal to the equivalent burden-resistance, and a serially connected compensator-capacitance (in farads) which is substantially equal to the equivalent burden-inductance (in henrys) divided by the square of the equivalent burden-resistance (in ohms), whereby the combined load on said input-circuit is substantially a pure resistance over a range of frequencies of the input circuit.

2,600,205

SEMIAUTOMATIC LABEL-APPLYING MACHINE

Sidney T. Carter, Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Co., Cudahy, Wis., a corporation of Wisconsin

Application June 9, 1950, Serial No. 167,131
48 Claims. (Cl. 216—54)



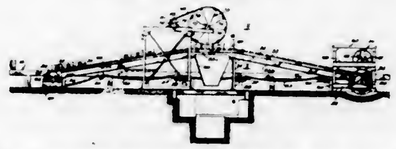
48. In a labeling machine, in combination, a transfer carrier movable along a horizontal, rectilinear path toward and from a labeling station, a picker movable back and forth to and from a magazine along a rectilinear path which intersects that of the carrier, means for moving the picker and to cause it to dwell at a transfer station, the carrier registering with the picker at the transfer station when the carrier is at one terminus of its path and having its label-engaging face parallel to and in transfer relation to the label-engaging surface of the dwelling picker, means to cause the label to adhere preferentially to the carrier, means for moving the carrier toward the labeling station while the picker continues to dwell at the transfer station thereby to slide the label from off the picker, a gum-transfer element which moves bodily with the carrier, and means for supplying gum to the transfer element, the transfer element moving with the carrier as the latter starts toward the labeling station and applying gum to the picker as the surface of the latter is bared by removal of the label.

2,600,206

AUTOMATIC SHAKEOUT DEVICE FOR TIGHT FLASK MOLDS

Alfred C. Christensen, Chicago, Ill., assignor, by mesne assignments, to Herbert Simpson Corporation, Chicago, Ill., a corporation of Illinois

Application August 31, 1948, Serial No. 47,020
1 Claim. (Cl. 22—1)



In a conveyor system for tight flask molds including bottom boards having flasks resting thereon with handles projecting laterally from the sides thereof, a mold conveyor movable in a generally horizontal plane and supporting said tight flask molds on the bottom boards thereof with said handles projecting laterally therefrom, an endless chain extending along each side of said conveyor, and driven to travel in the direction of said conveyor, means guiding said chains in parallel upwardly inclined paths from the plane of said mold conveyor from points spaced along said conveyor from the receiving end thereof to an intermediate shakeout station and then downwardly to the plane of said mold conveyor in advance of the discharge end thereof, said chains engaging the handles of said flasks as said flasks move with said mold conveyor and lifting said flasks above the bottom boards on said mold conveyor to said shakeout station and then re-

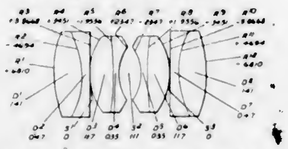
turning the empty flasks to said mold conveyor and the bottom boards thereon in a continuous operation.

2,600,207

FOUR COMPONENT OPTICAL OBJECTIVES HAVING FOUR INTERNAL CONTACT SURFACES

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain

Application April 3, 1950, Serial No. 153,517
In Great Britain April 4, 1949
21 Claims. (Cl. 88—57)



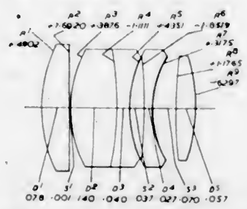
1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature, and distortion, comprising two divergent compound meniscus inner doublet components each of which has its air-exposed surfaces concave to the other inner component and consists of a convergent outer element and a divergent inner element, the mean refractive index of the material of such divergent element exceeding that of such convergent element by between .03 and .12, and two convergent compound outer doublet components each of which consists of a divergent inner element and a convergent outer element made of a material whose mean refractive index exceeds that of the divergent element by between .05 and .20, the internal contact surfaces in the two outer components are both convex inwards, the radius of curvature of the contact surface in the front component lying between .33 and 5.0 times the equivalent focal length of the objective whilst that in the rear component lies between .33 and 1.0 times such focal length.

2,600,208

FOUR COMPONENT OBJECTIVES WITH SECOND COMPONENT A CONVERGENT CEMENTED DOUBLET HAVING A DISPERSIVE INTERNAL CONTACT SURFACE

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain

Application June 5, 1950, Serial No. 166,262
In Great Britain July 14, 1949
20 Claims. (Cl. 88—57)



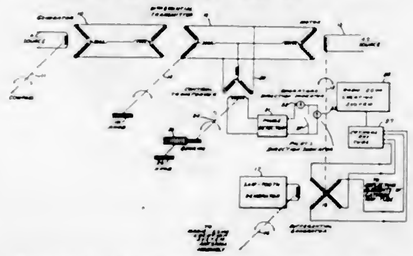
1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, and field curvature, and comprising four components in axial alignment, of which the front component is simple and convergent, the second component consists of a convergent cemented doublet having a dispersive internal contact surface concave to the front, the third componet is simple and divergent, and the rear component is simple and convergent, the focal lengths of the four components (counting from the front) bearing ratios to the equivalent focal length of the whole objective respectively lying between 0.7 and 1.1, 2.0 and 10.0, 0.3 and 0.5, and 0.4 and 0.8, whilst the focal length of the group consisting of the front three components is greater than 5.0 times such equivalent focal length.

2,600,209

ELECTRICAL NAVIGATION APPARATUS

Addison D. Cole, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application April 3, 1945, Serial No. 586,422
9 Claims. (Cl. 343—5)



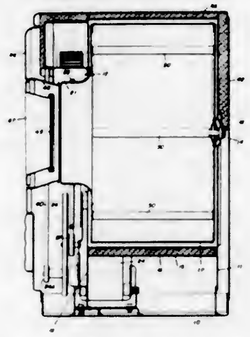
1. Electrical navigation apparatus for enabling a craft to navigate a direct course to a given point, comprising: compass means; a self-synchronous generator including a rotor and a stator, said rotor being energized by an alternating current source, said generator being coupled to said compass means and responsive to variations of said compass means; a self-synchronous differential transmitter connected to said stator, for differentially transmitting variations in energy supplied thereto by said generator, a portion of said transmitter being rotatable; a self-synchronous motor and a self-synchronous control transformer each including a rotor and a stator, said stators being coupled to said transmitter and responsive to said compass means variations transmitted therethrough, the rotor of said motor being energized by an alternating current source; radio-echo location means; a differential self-synchronous generator coupled to said radio-echo location means and to the rotor of said motor; said radio-echo location means including cathode ray tube means operatively connected to said differential generator for control thereby and indicating drift from said direct course; indicating meter means coupled to the rotor of said transformer for indicating said compass means variations; means for adjusting said variable portion of said transmitter and thereby controlling the response of the rotor of said transformer to said compass means variations and also affecting the indications on said cathode ray tube; and means for adjusting the rotary position of the rotor of said transformer, coupled to said rotor, and thereby varying the response of said meter means to said compass means variations without influencing the indications shown by said cathode ray tube means; whereby a navigator on a craft can set a given course, observe any deviations from said course and cause them to be corrected, and can, as long as the cause of said deviations remains constant, so adjust said meter indicator means so that they will automatically indicate deviations of said craft from said course.

2,600,210

CLOTHES DRIER

Arthur R. Constantine, South Bend, Ind., assignor, by mesne assignments, to Avco Manufacturing Corporation, New York, N. Y., a corporation of Delaware

Application February 20, 1946, Serial No. 649,011
10 Claims. (Cl. 34—131)



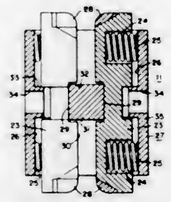
1. In a device of the character described, a rotatable cylinder having a cylindrical portion and front and back walls, said front wall having an opening affording access to said cylinder and one of said walls being perforate, a rear panel adjacent said back wall, a front panel adjacent said front wall, means rotatably supporting said cylinder for rotation between said panels, means interconnecting said front and rear panels and enclosing said cylinder, one of said panels having spaced openings confronting the perforate wall of said cylinder, an air duct disposed exteriorly of said one panel and communicating with the openings in said one panel, whereby said openings serve as inlet and outlet openings, respectively, for said air duct, means for effecting forced circulation of air through said air duct and through said cylinder via said inlet and outlet openings, and means for heating the circulating air.

2,600,211

CIRCUIT INTERRUPTER HAVING FINGER CONTACTS

George B. Cushing, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 15, 1950, Serial No. 156,093
4 Claims. (Cl. 200—163)



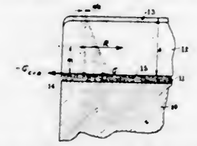
1. A circuit interrupter including a movable contact, an intermediate contact finger assembly, a second movable contact, the intermediate contact finger assembly including a housing having an internal flange portion intermediate the ends of the housing, a pair of opposed double-ended finger contacts having recesses at their back sides, the flange portion extending within the recesses, and a removable locking key extending across the housing between the opposed finger contacts and furnishing a fulcrum point for rocking motion of the finger contacts.

2,600,212

METHOD OF MANUFACTURING LAMELLIFORM EARTHENWARE

Antonino dal Borgo, Sassuolo, Italy

Application January 7, 1950, Serial No. 148,255
In Switzerland January 7, 1949
7 Claims. (Cl. 25—156)



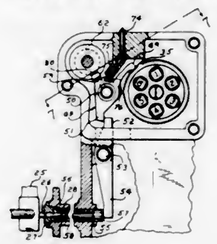
1. A method of preparing vitrified layered ceramic sheetware of characteristic unidirectional shrinkage along the thickness thereof during firing, comprising the steps of spreading first on an inert fire resistance support an isolating aqueous ceramic paste layer of unidirectional shrinkage during firing serving after heating to facilitate the separation of the vitrified tile product from the inert support, said isolating paste layer containing on dry weight basis an amount ranging about a quarter of plastic clay and few units per thousand of colloidal bentonite, the remainder comprising chiefly limestone, thereafter spreading on said layer before firing at least one unfired aqueous ceramic paste layer of unidirectional shrinkage during firing, this latter aqueous paste consisting of a ground mixture containing principally on a dry weight basis an amount ranging about 8% of kaolin, 7% of talc, 0.5% of colloidal bentonite, 0.1% of sodium phosphate the remainder consisting of lean ingredients ground to a particle diameter of less than one millimeter, thereafter spreading a thin layer of enamel glaze, firing the plural layers to vitrify and solidify the ceramic sheetware, and separating from the inert support the fired tile thus formed, which latter operation is facilitated after heating by the presence of the isolating layer.

2,600,213

CROSS SLIDE STOP MECHANISM

Nicholas P. Darash, Cleveland, Ohio, assignor to The Warner and Swasey Company, Cleveland, Ohio, a corporation of Ohio

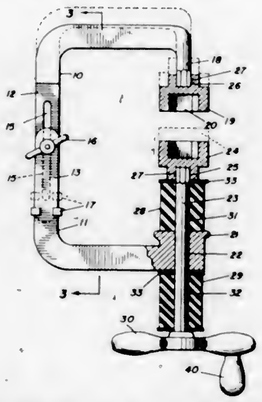
Application January 30, 1946, Serial No. 644,350
14 Claims. (Cl. 29—65)



1. In a machine tool of the type described, a slide, a tool holder carried by said slide, driving means for moving said slide and tool holder, means for stopping the movement of said slide in each of a plurality of preselected positions there-

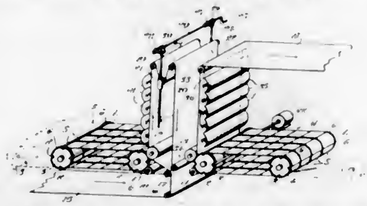
of comprising, a plurality of individual camming means, a common support for said camming means, means to rotate said support and camming means in timed relationship with the movement of said slide, and means to disengage said driving means including a movable member and manually operable means independent of said tool holder for selectively positioning said member in the path of any one of said camming means to be moved thereby to effect the disengagement of the driving means.

2,600,214
ADJUSTABLE BOLT-HOLDING WRENCH
Frank G. Davis, Baltimore, Md.
Application March 30, 1951, Serial No. 218,420
2 Claims. (Cl. 81—55)



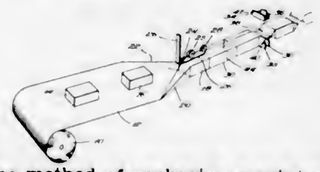
1. A nut removing tool comprising a C-shaped arm, means for adjusting the length of the back portion of said arm, a first socket detachably mounted on the upper front portion of the arm, a rotatable stem extending through the lower front portion of the arm, a second socket carried by the upper end of said stem in alignment with the first mentioned socket, and cushioning means carried by said stem on each side of the aforesaid lower front portion of the arm, whereby the second socket is cushioned in either direction of rotation of the stem.

2,600,215
WEB PERFECTING, FOLDING, AND CUTTING MACHINE WITH ENDLESS BAND PRINTING MEMBERS
Luis de Florez, New York, N. Y., assignor, by mesne assignments, to The de Florez Company, Inc., a corporation of Delaware
Application January 4, 1947, Serial No. 720,183
3 Claims. (Cl. 270—21)



1. The improvement in book printing machines which comprises two pairs of cylinders, at least one cylinder of each pair being power driven, at least one endless flexible type-belt on each pair of cylinders, type means for printing several pages of a book mounted on the type-belts, means for feeding a web of paper adapted to receive page impressions of a plurality of pages across its width into printing contact on one side with the type means of one type-belt and then the other side of the web into printing contact with the type means on the other type-belt whereby the web is printed on both sides, means for folding the printed web transversely in accordion-like folds, means for cutting off a folded unit of the web comprising a predetermined number of printed pages, means for compressing the folded section, and cutters for slicing the compressed section into page blocks for assembly into a book.

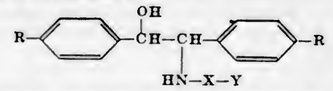
2,600,216
METHOD OF PACKAGING OLEOMARGARINE AND SIMILAR MATERIALS
William E. Denison, Chicago, Ill., assignor to Tammen and Denison, Inc., Chicago, Ill., a corporation of Illinois
Application September 15, 1947, Serial No. 774,013
11 Claims. (Cl. 99—179)



10. The method of packaging a print of oleomargarine and a quantity of coloring material which comprises the steps of moving a strip of fusible wrapping material along a substantially horizontal path, of depositing prints of oleomargarine successively, lengthwise in spaced relationship along the moving strip, of depositing a quantity of coloring material in viscous form which adheres to the strip in each space between the prints, of drawing the edges of the strip tightly over the prints and fusing the edges together to form a tube, of transversely fusing and severing the tube between alternate prints and deposits of coloring material to form individual air-tight packages containing both ingredients in spaced relationship, and of joining the opposite walls of each package between the print and the coloring material so as to divide the package into two temporary compartments.

2,600,217
DIARYL-HYDROXYALKYL-DIAMINO COMPOUNDS AND PREPARATION THEREOF
John J. Denton and Harold P. Schedl, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 22, 1948, Serial No. 34,547
13 Claims. (Cl. 260—570.6)

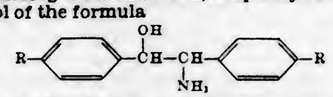
8. A method of preparing compounds having the general formula



in which R represents a member of the group consisting of hydrogen and halogen radicals, X represents an alkylene radical of two to three carbon atoms and Y represents a radical of the group consisting of 1-piperidyl, 4-morpholinyl, and those represented by



in which R_1 and R_2 are lower alkyl radicals, which comprises mixing together in an aqueous solvent at a temperature within the range 0°–100° C. an acid binding substance a 1,2-diphenyl-2-aminoethanol of the formula



and an aminoalkyl chloride having the formula Cl—X—Y in which X and Y are as defined above and after reaction thereof recovering the said product.

2,600,218
VEGETABLE FERTILIZERS
Cyril James Dew, London, England
No Drawing. Application November 7, 1949, Serial No. 126,057. In Great Britain November 23, 1948
5 Claims. (Cl. 71—23)

1. A composition of matter comprising a substantially dry compressed bale of straw containing a uniform dispersion of a pulverent rot-promoting agent and an inert adhesive for effecting adherence of the said agent to the straw, said composition having a moisture content below the rotting level so as to remain inactive until such time as it is desired to activate rotting by the addition of water to increase the moisture content above the rotting level.

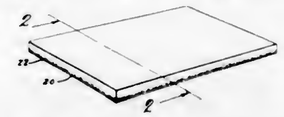
2,600,219
CRANKCASE VENTILATOR FILTER
Paul E. Diederich, Grosse Pointe Park, Mich.
Application May 26, 1949, Serial No. 95,517
3 Claims. (Cl. 183—73)



1. In combination with a ventilator pipe a generally cylindrical filter screen receivable within said pipe, said cylindrical filter screen having both ends closed by the wall of the screen at each end being pinched together along a line extending diametrically of the cylindrical screen, said end portions along said lines having a diameter greater than the diameter of the cylindrical portion of the filter screen and adapted to engage the pipe to support the cylindrical screen within the pipe spaced from the pipe wall, and an impermeable barrier encircling said cylindrical screen spaced between its closed ends so that the air passing through the pipe must pass through the screen.

2,600,220
COMPOSITE ARTICLE AND METHOD OF MAKING SAME
William J. Doelker, Jr., and John M. Hildabolt, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 13, 1945, Serial No. 622,124
1 Claim. (Cl. 29—195)

A new article of manufacture in sheet form, for use as a table and desk top consisting of a laminated structure comprising in combination, a substantially flat relatively large area manually flexible sheet of dense metal, a layer of highly porous metal made by sintering together non-compacted metal powder bonded directly to said sheet and substantially coextensive therewith, and a juxtaposed layer of phenol formaldehyde condensation product covering said porous metal

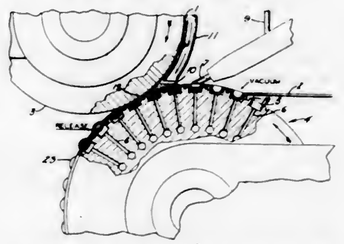


layer and having portions thereof extending into the pores of the porous metal layer for mechanically anchoring the phenol formaldehyde condensation product to the dense metal sheet, whereby the phenol formaldehyde layer is maintained in juxtaposed position during flexing of the dense metal sheet through mechanical anchorage to the porous metal layer.

2,600,221
CLEANSING METHOD
Emil Domingo, New York, N. Y.
No Drawing. Application March 28, 1950, Serial No. 152,503
16 Claims. (Cl. 250—71)

1. The method of examining a surface for visually undetectable organic contamination that includes the steps of treating the surface with an excess of chemical solution that is selectively sorbed by the organic contamination and rinsing the surface to remove the excess solution not sorbed to cause said contamination to become visually evident and distinct from portions of the surface not so contaminated when exposed to an appropriate light band.

2,600,222
METHOD OF AND APPARATUS FOR ENCAPSULATING SUBSTANCES
Alfonso M. Donofrio, Toledo, Ohio, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 30, 1949, Serial No. 135,983
13 Claims. (Cl. 18—21)



6. Apparatus for producing capsules each containing a predetermined concentration and quantity of active ingredient comprising, in combination, means for feeding two sheets of resilient capsulating material along converging paths and into contact with each other, means for deforming defined areas of at least one of said sheets to form pockets of definite volume, means for partially filling said pockets with measured charges of active ingredient of known concentration, means for

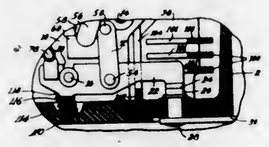
maintaining a pool of inert liquid compatible with said active ingredient in the space between the converging sheets of capsulating material and at a depth at least sufficient to cover and fill each partially filled pocket while passing therethrough, means for sealing said sheets of capsulating material together while still within said pool and means for severing the sealed capsules thus formed from said sheets of capsulating material.

2,600,223

CIRCUIT INTERRUPTER

Hiller D. Dorfman, Forest Hills, and Gerald J. Freese, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 10, 1944, Serial No. 562,805
14 Claims. (Cl. 200—116)



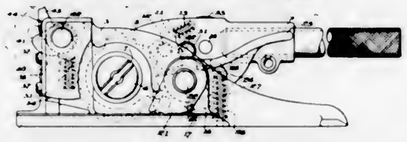
1. In a circuit interrupter, a stationary contact, a movable contact arm having a contact portion adjacent one end thereof for engaging said stationary contact, a fixed pivot mounting the other end of said contact arm, actuating means pivotally connected to said contact arm at a point spaced from said contact portion for actuating said contact arm to move said contact portion into and out of engagement with said stationary contact, said contact arm having a slot therein extending at an angle to the contacting surfaces through which said pivot extends, and resilient means applying a force on said contact arm at a point adjacent to said pivot and in a direction substantially radially thereof but applying no force to said contact arm tending to rotate said contact arm about said pivot in opening direction at least in the closed circuit position of said contact arm, whereby said resilient means biases said contact arm about the point of connection with said actuating means to apply contact pressure between said contact portion and said stationary contact.

2,600,224

TOOL FOR TENSIONING AND CUTTING BINDING STRAPS

Jack W. Dunbar, Pittsburgh, Pa., assignor to Allegheny Steel Band Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1950, Serial No. 136,719
11 Claims. (Cl. 140—93.3)



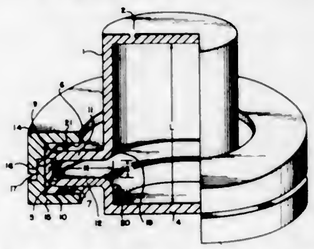
1. A tensioning and cutting tool for flexible binding straps, comprising a base adapted to rest against an object to be bound, a gripper supported by the base and adapted to anchor one end of a binding strap extending around said object, a rotatable member supported by the base for putting the other end of the strap under tension, a ratchet wheel for turning said member, an oscillatable operating handle, an actuating pawl carried by said handle for turning the ratchet wheel when the handle is swung forward, a check pawl supported by said base for preventing reverse rotation of the ratchet wheel, a shear supported by the base in front of said rotatable member and adapted to straddle the end portion of the strap attached to said member, an abutment movably supported by said handle and normally disposed in retracted position relative thereto, manually operable means for withdrawing said actuating pawl from the ratchet wheel after the strap has been tensioned and for projecting said abutment laterally from said handle, and means engaged and actuated by said projecting abutment when the handle is swung forward for operating the shear to cut the strap.

2,600,225

TEMPERATURE COMPENSATED RESONANT CAVITY

Albert D. Ehrenfried, Boston, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War

Application March 29, 1946, Serial No. 657,929
7 Claims. (Cl. 178—44)



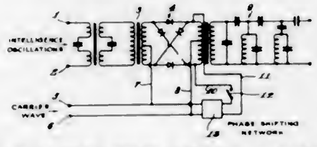
3. The combination, with a resonant cavity, of means for compensating for the effects of thermal expansion on frequency which include a relatively stiff annular portion displaced radially outward from said cavity, clamping means surrounding said annular portion having a thermal coefficient of expansion substantially different therefrom, annular fulcrum means supported by said clamping means and positioned so that expansion of that part of said annular portion disposed outside of said fulcrum means will act thereover to draw together that part of said annular portion disposed inside of said fulcrum means.

2,600,226

DEVICE TO MINIMIZE INTERFERENCE BETWEEN DIAL IMPULSES IN A CARRIER SYSTEM

Johannes Ensink, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application March 10, 1948, Serial No. 14,128
In the Netherlands April 29, 1947
7 Claims. (Cl. 179—15.5)



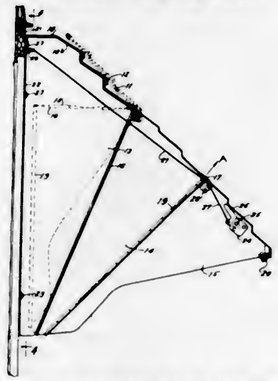
1. In a carrier wave telephony system, the combination comprising a carrier suppressing modulator means having an output impedance, means to apply intelligence oscillations as an input to said modulator, means to apply a carrier wave as an input to said modulator thereby to develop across said impedance side band components of said oscillations and said wave wherein said wave is suppressed, means including a phase-shift to impress said carrier wave across said output impedance in a phase displaced with respect to the carrier wave applied as an input to said modulator, and means to interrupt the carrier wave impressed on said output impedance to produce signalling pulses.

2,600,227

FOLDING SIDES AND TOP AWNING

Nicholas L. Etten, Waterloo, Iowa

Application March 29, 1950, Serial No. 152,574
12 Claims. (Cl. 160—58)



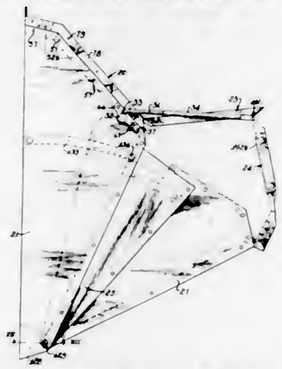
11. An awning comprising a top including a plurality of successively interconnected top panels foldable into superposed relationship, a pair of sides each including a plurality of sections movable into juxtaposed vertical relationship beneath said top, means connecting said top and sides together for concurrent movement of said top panels and sections, and means for actuating said top and sides.

2,600,228

FOLDABLE METAL AWNING

Nicholas L. Etten, Cedar Falls, Iowa

Application June 5, 1951, Serial No. 230,048
13 Claims. (Cl. 160—62)



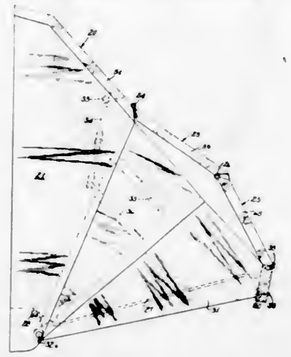
4. An awning comprising a fixed top panel and a pair of movable top panels hingedly connected thereto, the movable top panels being actuatable between an extended position and compact folded position above the fixed top panel, an operating arm connected to one of said top panels for actuation thereof, and rope and pulley means for operating the actuating arm.

2,600,229

FOLDABLE METAL AWNING

Nicholas L. Etten, Cedar Falls, Iowa

Application July 11, 1951, Serial No. 236,259
10 Claims. (Cl. 160—58)



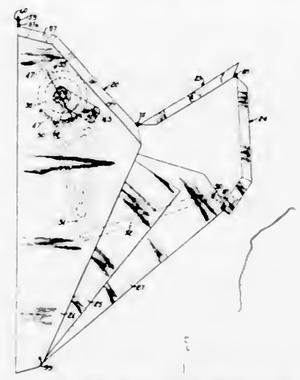
1. An awning comprising a plurality of hinge-connected top panel sections extendable from folded relation to extended over-center locked relation, and retracting means acting on the outermost top panel section and initially moving said sections out of said over-center locked relation.

2,600,230

FOLDABLE METAL AWNING

Nicholas L. Etten, Cedar Falls, Iowa

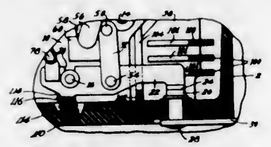
Application July 11, 1951, Serial No. 236,260
13 Claims. (Cl. 160—58)



11. A foldable awning comprising a canopy including a fixed section, a first movable section hinged to said fixed section and a second movable section hinged to said first movable section, and a lever and link assembly connected between said fixed section and said second movable section and actuatable for folding and extending said canopy.

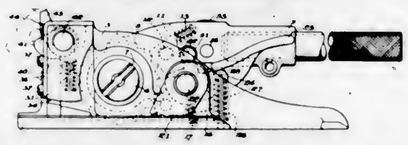
maintaining a pool of inert liquid compatible with said active ingredient in the space between the converging sheets of capsulating material and at a depth at least sufficient to cover and fill each partially filled pocket while passing therethrough, means for sealing said sheets of capsulating material together while still within said pool and means for severing the sealed capsules thus formed from said sheets of capsulating material.

2,600,223
CIRCUIT INTERRUPTER
Hiller D. Dorfman, Forest Hills, and Gerald J. Freese, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1944, Serial No. 562,805
14 Claims. (Cl. 200—116)



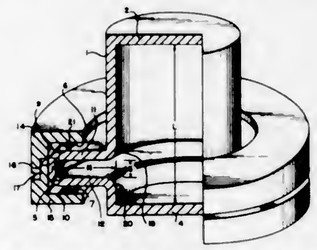
1. In a circuit interrupter, a stationary contact, a movable contact arm having a contact portion adjacent one end thereof for engaging said stationary contact, a fixed pivot mounting the other end of said contact arm, actuating means pivotally connected to said contact arm at a point spaced from said contact portion for actuating said contact arm to move said contact portion into and out of engagement with said stationary contact, said contact arm having a slot therein extending at an angle to the contacting surfaces through which said pivot extends, and resilient means applying a force on said contact arm at a point adjacent to said pivot and in a direction substantially radially thereof but applying no force to said contact arm tending to rotate said contact arm about said pivot in opening direction at least in the closed circuit position of said contact arm, whereby said resilient means biases said contact arm about the point of connection with said actuating means to apply contact pressure between said contact portion and said stationary contact.

2,600,224
TOOL FOR TENSIONING AND CUTTING BINDING STRAPS
Jack W. Dunbar, Pittsburgh, Pa., assignor to Allegheny Steel Band Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1950, Serial No. 136,719
11 Claims. (Cl. 140—93.3)



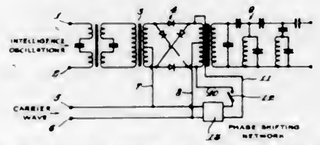
1. A tensioning and cutting tool for flexible binding straps, comprising a base adapted to rest against an object to be bound, a gripper supported by the base and adapted to anchor one end of a binding strap extending around said object, a rotatable member supported by the base for putting the other end of the strap under tension, a ratchet wheel for turning said member, an oscillatable operating handle, an actuating pawl carried by said handle for turning the ratchet wheel when the handle is swung forward, a check pawl supported by said base for preventing reverse rotation of the ratchet wheel, a shear supported by the base in front of said rotatable member and adapted to straddle the end portion of the strap attached to said member, an abutment movably supported by said handle and normally disposed in retracted position relative thereto, manually operable means for withdrawing said actuating pawl from the ratchet wheel after the strap has been tensioned and for projecting said abutment laterally from said handle, and means engaged and actuated by said projecting abutment when the handle is swung forward for operating the shear to cut the strap.

2,600,225
TEMPERATURE COMPENSATED RESONANT CAVITY
Albert D. Ehrenfried, Boston, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War
Application March 29, 1946, Serial No. 657,929
7 Claims. (Cl. 178—44)



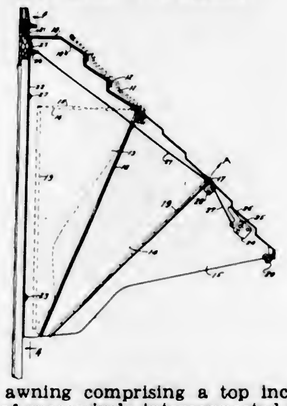
3. The combination, with a resonant cavity, of means for compensating for the effects of thermal expansion on frequency which include a relatively stiff annular portion displaced radially outward from said cavity, clamping means surrounding said annular portion having a thermal coefficient of expansion substantially different therefrom, annular fulcrum means supported by said clamping means and positioned so that expansion of that part of said annular portion disposed outside of said fulcrum means will act thereover to draw together that part of said annular portion disposed inside of said fulcrum means.

2,600,226
DEVICE TO MINIMIZE INTERFERENCE BETWEEN DIAL IMPULSES IN A CARRIER SYSTEM
Johannes Ensink, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 10, 1948, Serial No. 14,128
In the Netherlands April 29, 1947
7 Claims. (Cl. 179—15.5)



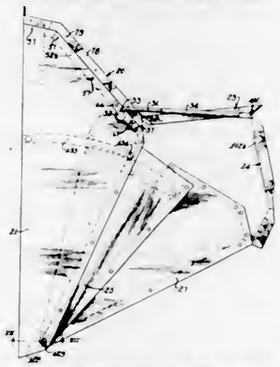
1. In a carrier wave telephony system, the combination comprising a carrier suppressing modulator means having an output impedance, means to apply intelligence oscillations as an input to said modulator, means to apply a carrier wave as an input to said modulator thereby to develop across said impedance side band components of said oscillations and said wave wherein said wave is suppressed, means including a phase-shift to impress said carrier wave across said output impedance in a phase displaced with respect to the carrier wave applied as an input to said modulator, and means to interrupt the carrier wave impressed on said output impedance to produce signalling pulses.

2,600,227
FOLDING SIDES AND TOP AWNING
Nicholas L. Etten, Waterloo, Iowa
Application March 29, 1950, Serial No. 152,574
12 Claims. (Cl. 160—58)



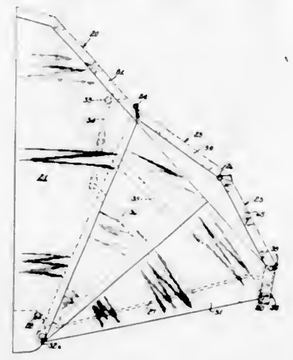
11. An awning comprising a top including a plurality of successively interconnected top panels foldable into superposed relationship, a pair of sides each including a plurality of sections movable into juxtaposed vertical relationship beneath said top, means connecting said top and sides together for concurrent movement of said top panels and sections, and means for actuating said top and sides.

2,600,228
FOLDABLE METAL AWNING
Nicholas L. Etten, Cedar Falls, Iowa
Application June 5, 1951, Serial No. 230,048
13 Claims. (Cl. 160—62)



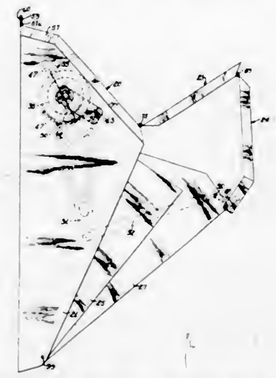
4. An awning comprising a fixed top panel and a pair of movable top panels hingedly connected thereto, the movable top panels being actuatable between an extended position and compact folded position above the fixed top panel, an operating arm connected to one of said top panels for actuation thereof, and rope and pulley means for operating the actuating arm.

2,600,229
FOLDABLE METAL AWNING
Nicholas L. Etten, Cedar Falls, Iowa
Application July 11, 1951, Serial No. 236,259
10 Claims. (Cl. 160—58)



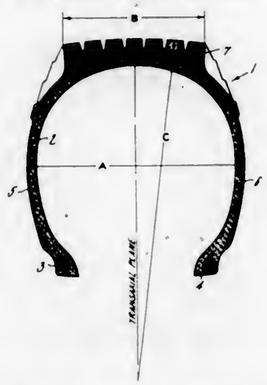
1. An awning comprising a plurality of hinge-connected top panel sections extendable from folded relation to extended over-center locked relation, and retracting means acting on the outermost top panel section and initially moving said sections out of said over-center locked relation.

2,600,230
FOLDABLE METAL AWNING
Nicholas L. Etten, Cedar Falls, Iowa
Application July 11, 1951, Serial No. 236,260
13 Claims. (Cl. 160—58)



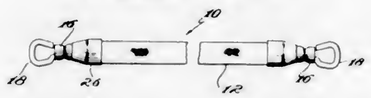
11. A foldable awning comprising a canopy including a fixed section, a first movable section hinged to said fixed section and a second movable section hinged to said first movable section, and a lever and link assembly connected between said fixed section and said second movable section and actuatable for folding and extending said canopy.

2,600,231
PNEUMATIC TIRE CASING
Elliott S. Ewart, St. Clair Shores, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 22, 1947, Serial No. 770,056
1 Claim. (Cl. 152—352)



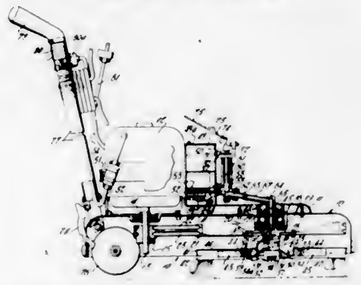
A pneumatic tire casing comprising a carcass of plies and bead elements provided with a tread portion and side wall portions, the maximum cross-sectional width of the tire casing being from 3.5 to 6 per cent greater than the corresponding width of a standard tire of like rating as defined by the Tire & Rim Association to provide soft stable riding qualities, the width of the tread as measured from shoulder to shoulder tranversely of the tire being from 55 to 65% of the aforementioned cross-sectional width of the casing so as to provide a tread structure resistant to internal heat and one which does not impair the riding qualities of the casing, and the crown radius of the tread as measured along the transaxial plane of the tire being from 145 to 175% of the aforementioned cross-sectional width of the casing to provide a substantially flat tread giving increased wear.

2,600,232
BRACELET
Charles Feid, South Attleboro, Mass., assignor to Bugbee and Niles Company, North Attleboro, Mass., a corporation of Massachusetts
Application August 20, 1947, Serial No. 769,696
3 Claims. (Cl. 63—5)



1. A flexible bracelet comprising an outer hollow cord af flexible metal mesh fabric having open ends, inner flexible hollow cords telescopically mounted for sliding movement in the open opposite ends of the outer hollow cord and free to rotate relative to the outer cord about their longitudinal axes, said inner hollow cords being a flexible metal fabric mesh, both the inner and outer cords having a uniform cross section throughout socket members secured to the outer ends of the inner hollow cords, attaching means fixed to said socket members, means at the opposite ends of the outer cord through which the inner cords slide, means near the opposite ends of the inner cords for engagement with the outsides of the means at the ends of the outer cord when the cords are contracted within the outer cord and for engagement with the insides of the means at the ends of the outer cord when the inner cords are extended and a spring anchored at its opposite ends to the socket members and extending through said inner and outer cords for normally holding the bracelet in a contracted condition said springs in no way inhibiting rotation of the outer cord about the longitudinal axes of the inner cords.

2,600,233
FLOOR PROCESSING APPARATUS
Walter S. Finnell, Elkhart, Ind.
Application March 12, 1949, Serial No. 81,035
4 Claims. (Cl. 15—50)

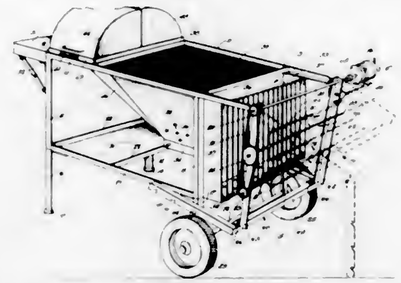


1. In a floor processing machine, in combination, a casing, a vertically mounted motor supported on the rear portion of said casing, a tank secured to said motor in heat-exchange relation therewith, electrical means to pre-heat wax in said tank, a rotary vertical spindle in the forward portion of said casing, said spindle having a downwardly extending central passage therein and an outwardly and downwardly inclined passage in communication with the bottom of said central passage, a hub rockably attached to the lower end of said spindle, a brush ring plate having therein an opening radially spaced from the center thereof, an annular brush ring secured to said plate, resilient means to movably latch said ring plate to said hub and spindle laterally and vertically in universal-joint driving relation, a nozzle secured in said inclined passage and extending vertically downward through said opening clear of said resilient securing means but within said brush ring, a stationary pipe extending downward within said vertical passage, an outlet valve in communication with the bottom of said tank, a conduit connecting said valve with said vertical pipe, and drive means operatively connecting said motor to said spindle.

2,600,234
PORTABLE BROILER
Herbert W. Foley, Kenilworth, Ill.
Application June 8, 1946, Serial No. 675,424
1 Claim. (Cl. 99—421)

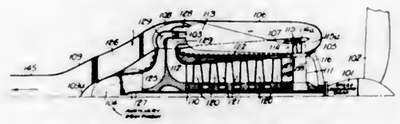
A broiler comprising in combination a walled heating chamber including at least one vertically disposed perforate wall, a pair of spaced apart bars of substantially equal length hingedly connected at their upper ends to the upper part of said chamber and adjacent said perforate wall, said bars being of a length substantially equal to the height of the perforate wall, a food carrying member mounted on said bars, a horizontal strut

connected to the lower ends of said bars and forming with said bars a frame structure adapted for movement as a unit to varying positions of adjustment with relation to said perforate wall, a combined brace and leg member hingedly connected to the free end of said frame structure and of a length substantially equal to the length of said bars, and cooperating holding means on the chamber and on the combined brace and leg member for adjustably holding the frame struc-



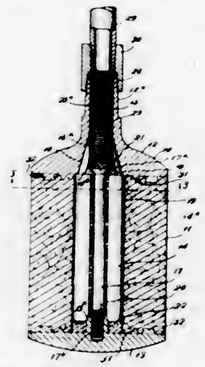
ture and its food carrying member within cooking range of said heating chamber, said combined brace and leg member when released from its holding relation with said heating chamber swinging about its hinged connection and positionable as a supporting leg for the food carrying frame structure when said frame structure is angularly disposed substantially at a right angle to the perforate wall of said heating chamber and in warming or non-cooking position with respect to said perforate wall.

2,600,235
GAS TURBINE ROTOR COOLING MEANS
Jules André Norbert Galliot, London, England
Application February 24, 1947, Serial No. 730,446
In Great Britain February 25, 1946
13 Claims. (Cl. 60—35.6)



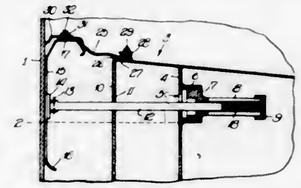
1. A gas turbine comprising a rotor having peripheral blades, a hollow shaft driven by said rotor, a casing around said shaft, at least one combustion chamber furnishing hot gases, means for applying said gases to said blades in a direction parallel to said shaft for driving said rotor, a main compressor driven by said shaft for compressing air to feed said combustion chamber, said rotor and said main compressor being arranged towards opposite ends of said casing, and an axial-type compressor with multiple rotors and stators inside said casing, said first-mentioned rotor being apertured to admit cold air to said axial-type compressor, and said axial-type compressor forcing the air to said main compressor in a direction opposite to the flow of said gases past said blades, in combination with another compressor driven by said shaft and drawing cold air through said hollow shaft, said other compressor feeding air to at least one combustion chamber furnishing hot gases to drive said first-mentioned rotor.

2,600,236
MUFFLER WITH A PLURALITY OF PASSAGES
Stephen J. Gibel, Cleveland, Ohio, assignor to Esther Larsen, Lakewood, Ohio
Application November 16, 1948, Serial No. 60,356
4 Claims. (Cl. 181—56)



3. In a muffler of the character described, wall means defining an elongated tubular silencing chamber having inlet means at one end thereof for pressure fluid exhaust and also having restricted outlet passage means, said inlet means comprising a plurality of inlet passages communicating with said chamber at one end thereof and at substantially opposed points located on opposite sides of the axis of said chamber and a small-mesh screen at said inlet means extending across said inlet passages, said inlet passages being disposed such that they extend at an oblique angle relation to the plane of said screen and also extend toward said wall means at an oblique angle relation thereto, said inlet passages being adapted to direct said exhaust fluid through said screen at said oblique angle relation to produce turbulated streams and to direct said turbulated streams into said chamber and against the inner surface of said wall means at said oblique angle relation for causing conflicting portions of said turbulated streams to absorb energy from each other with portions of said turbulated streams reverberating in said chamber in criss-cross relation.

2,600,237
CENTERING AND SEALING DEVICE FOR FLOATING TANK ROOFS
Arthur H. Graham, Sharon, Pa., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application May 16, 1947, Serial No. 748,439
6 Claims. (Cl. 220—26)



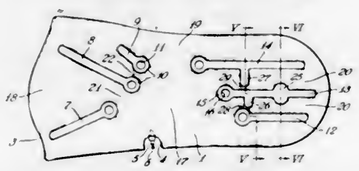
3. A device for centering a roof structure which floats on the surface of a volatile liquid in a tank and for sealing the space between the edge of the roof and the tank, comprising:

shoe sections conforming to the inside surface of the tank wall; a flat ledgelike extension on each shoe section, extending radially inwardly from the top edge thereof; a vertically disposed perforated wall on said roof structure; radially disposed rods slidably disposed in the perforations and supported by the wall and fixed to said shoe sections to support the same on the roof structure; a second vertically disposed wall on said roof structure disposed inwardly of the first wall and having perforations aligned with and larger than the perforations in the first wall; a bushing on said second wall for each of said rods engaging the rod to support the same; a spring carried by each bushing and tensioned to urge the rod outwardly thereby to press the shoe sections into engagement with the tank wall to keep the roof structure centered therein; a flexible gas impervious member fixed to the top of said roof structure and to the ledgelike extensions on said shoe sections to form a seal between the shoe and roof structure; and a second gas impervious flexible member fixed to said ledgelike extension and engaging the tank wall to form a seal between the shoe and tank wall.

2,600,238
METHOD OF MAKING STEEL
Stanley A. Gilbert, Red Bank, N. J., assignor to American Briquet Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 22, 1949, Serial No. 106,333
9 Claims. (Cl. 75—48)

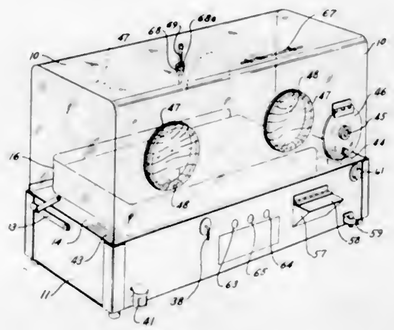
1. In the manufacture of steel wherein a charge comprising iron-supplying ingredients and carbon is subjected to heat in a furnace to provide molten metal containing a predetermined carbon content, the improvement which comprises adding to the furnace as part of the charge and as a carbon-supplying charge ingredient hard, carbon granules comprising agglomerated carbon black particles bound in a matrix of thermally deposited carbon, said granules having a particle size between about 6 and about 60 mesh, and having an apparent density between about 30 and about 65 pounds per cubic foot.

2,600,239
PNEUMATIC INSOLE
Levi L. Gilbert, Portland, Oreg.
Application November 1, 1949, Serial No. 124,809
6 Claims. (Cl. 36—71)



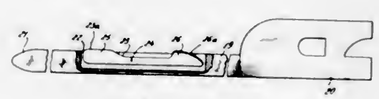
2. In a foot cushioning and massaging device, a pair of air impervious panels marginally secured together to form an inflatable envelope for disposition beneath the plantar surface of a foot, and said panels being secured together at spaced intervals to provide elongated flat non-inflatable areas extending generally lengthwise of the device rearwardly of the longitudinal arch of the foot, certain of said areas being laterally expanded to lessen the spacing between adjacent areas and control the movement of air to and from the rear part of the device during use.

2,600,240
CONSTRUCTION OF INCUBATORS FOR INFANTS
Benjamin Curtis Grieb, Chestnut Hill, Pa., assignor, by mesne assignments, to Children's Hospital of Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania
Application May 22, 1948, Serial No. 28,603
12 Claims. (Cl. 128—1)



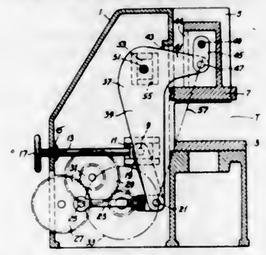
1. An incubator for infants having a shallow box unit enclosing apparatus suitable for circulating, heating and humidifying air, an isolating enclosure supported on top of said box unit, said box unit having an inlet opening in its upper surface for passing air into said enclosure, an outlet opening in its upper surface for withdrawing air from said enclosure, an opening for supplying air from an outside source to said circulating apparatus, said circulating apparatus being capable of providing a positive pressure in said enclosure, said enclosure having a small outlet opening to permit the escape of air and airflow indicator means supported near said enclosure outlet opening.

2,600,241
METHOD AND APPARATUS FOR MAKING PILE FABRICS
Kenneth Hamilton, Jr., Harrowers, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application May 16, 1951, Serial No. 226,706
6 Claims. (Cl. 139—44)



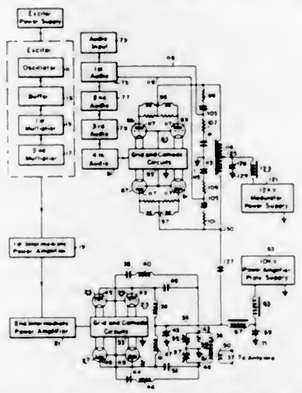
1. A pile wire for use in a wire loom, which comprises a blade and a head, the wire having a lengthwise slot leading inward through its top adjacent its end remote from the head, and a lever pivotally mounted within the slot, the lever having a cutting edge at its top at its end toward the head and a blunt top surface at its other end, the lever being rockable between two positions, in the first of which the cutting edge is outside and the blunt edge within the slot and, in the second of which, the cutting edge is within and the blunt edge outside the slot.

2,600,242
TOGGLE PRESS
Otto Hermann May, Schwabisch Gmund, Germany
Application February 28, 1949, Serial No. 78,768
In Switzerland August 24, 1948
11 Claims. (Cl. 100—70)



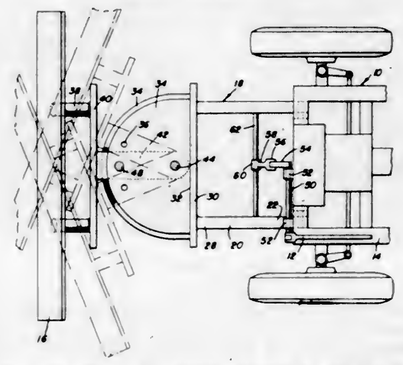
1. A toggle press comprising a frame having a platen and a ram slide on opposite sides of a work gap, a toggle linkage having a fulcrum located in the frame toward one side of the work gap, said toggle linkage comprising a link pivoted on said fulcrum and providing a swinging knee joint, a link having one end pivoted at said knee joint and extending past the work gap, and a pivot carried by said last-named link having a sliding connection with the frame on the ram-slide side of the work gap, said last-named link also having an operative connection with the ram slide and being in the form of a bell crank, one arm of which passes the work gap and the other arm of which arches thereover.

2,600,243
MODULATOR SYSTEM
Ralph N. Harmon, Baltimore, and Reuben Lee, Linthicum Heights, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 15, 1950, Serial No. 162,114
6 Claims. (Cl. 332—43)



1. A system of modulation including a modulator having a double-ended output, a center-tapped reactor connected in balanced relation to the output of said modulator, a conductor adapted to connect the center tap of said reactor to a first anode voltage supply, a radio-frequency amplifier, means for coupling said modulator to said radio-frequency amplifier, and a modulation reactor connected from the radio-frequency amplifier side of said coupling means to a terminal which is adapted for connection to a second anode potential source.

2,600,244
BLADE COUPLING ATTACHMENT FOR TRACTORS
Ray J. Harper, Menlo Park, Calif.
Application October 3, 1947, Serial No. 777,609
1 Claim. (Cl. 37—144)



For use with a tractor having a pair of side rails, a pair of ears depending from the forward ends of the side rails and a lift arm; a blade attachment comprising a pair of side arms pivoted to said ears for vertical swinging movement, a forward face plate joining the forward ends of said side arms, a cross-bar terminally fixed to said side arms, a horizontal rock shaft rotatably supported on said tractor and connected to said lift arm, a link arm having a bifurcated end, said rock shaft having a lateral projection pivoted to said bifurcated end, a sleeve on said link arm and rotatably supported on said cross-bar, a pair of upper and lower parallel plates permanently attached to said face plate, a scraper blade, a pair of supporting and spacing arms rigidly secured to the blade, a base plate terminally secured to said supporting and spacing arms, a tongue permanently attached to said base plate intermediate the ends of said base plate and received between said upper and lower plates, a rear pivot extending through said upper and lower plates and said tongue, said upper and lower plates having a series of circumferentially spaced registening openings spaced equidistant from said rear pivot, said tongue having an aperture intermediate its ends for selectively registering with said openings, and a forward pin received in said aperture and a pair of registering openings in said upper and lower plates for retaining the tongue in a selected pivoted position about said rear pivot.

2,600,245
HORTICULTURAL COMPOSITIONS
Sever L. Hopperstead, Brighton, Mich., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1946, Serial No. 713,114
12 Claims. (Cl. 71—2.5)

1. A method of decreasing the number of fruit sets on a fruit tree which comprises spraying said fruit tree after the fruit has set with an aqueous spray composition comprising dispersed

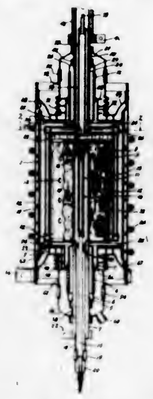
particles of (A) a substance selected from the class consisting of polymeric alkylene and ethyleneoxyethylene polysulfides and (B) a complex carbamate-amine compound identical with that resulting from the chemical addition of a zinc salt of a substituted dithiocarbamic acid with an amine selected from the class consisting of alkyl monoamines, alkylene polyamines, alicyclic amines, and heterocyclic amines, said amines being free from aromatic unsaturation and containing only amino groups as non-hydrocarbon substituent groups.

12. A composition comprising particles of (A) a substance selected from the class consisting of polymeric alkylene and ethyleneoxyethylene polysulfides and (B) a complex zinc carbamate-amine chemical addition product identical with that resulting from the chemical addition of a zinc salt of a substituted dithiocarbamic acid with an amine selected from the class consisting of alkyl monoamines, alkylene polyamines, alicyclic amines, and heterocyclic amines, said amines being free from aromatic unsaturation and containing only amino groups as non-hydrocarbon substituent groups.

2,600,246
CAESIUM ELECTRIC DISCHARGE DEVICE

Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 19, 1951, Serial No. 221,856
6 Claims. (Cl. 313—227)

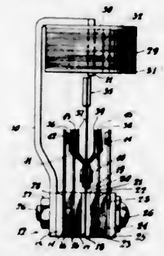


1. A grid controlled electric discharge device comprising an hermetically sealed envelope with an anode therein; a quantity of liquid metal selected from the group consisting of caesium, rubidium, alkali metal alloys of caesium, and alkali metal alloys of rubidium in a portion of said envelope; a cathode structure; means supporting said cathode structure within said envelope in insulated relation with respect thereto including a first ceramic insulator forming part of the envelope wall and positioned to receive heat from said cathode structure during the operation of said device; a control grid structure; means supporting said control grid structure within said envelope in insulated relation with respect thereto including a second ceramic insulator forming part of the envelope wall; and means defining cooling paths in heat exchange relation with said portion of said envelope, one electrode of said device, and said second insulator in series so that during operation of said device cooling fluid may be circulated through said paths in the order named to maintain said second insulator at a temperature above the temperature of said liquid metal.

2,600,247
VIBRATOR WITH KEYHOLE CONTOUR REED ARM

Clarence Huetten, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application March 17, 1949, Serial No. 81,920
9 Claims. (Cl. 200—90)

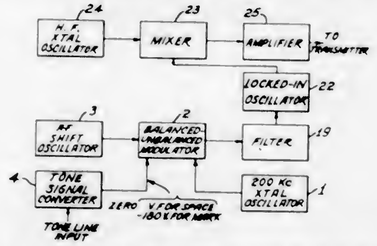


1. A vibratory interrupter comprising a ferromagnetic frame, a pole piece connected thereto, a stack mounted at one end of said frame, a driver coil having an axial space therein mounted on said pole piece adjacent the other end of said frame, a vibratory system clamped in said stack and including an armature cooperating with the free end of said pole piece and a plurality of staggered cantilever-supported substantially thin contacts, the latter comprising a base portion, a circular contact, and an integral connection therebetween, said connection being constricted to have a minimum cross section sufficient only to prevent shearing, stationary circular contact means clamped in said stack and adopted to coact with said contacts on said vibratory system, and circuit means for energizing said respective contacts.

2,600,248
TRANSMITTER KEYER

Leonard R. Kahn, New York, and Walter Lyons, Flushing, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application April 28, 1949, Serial No. 90,242
3 Claims. (Cl. 250—8)

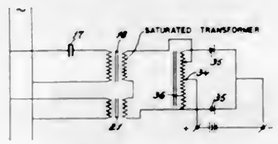


1. A frequency shift keyer, comprising a source of carrier energy, a fixed-frequency source of modulating energy, means for mixing energy from said two sources, said means being responsive to the application of a two-valued keying potential thereto to supply in the output thereof an oscillatory voltage which is predominantly of either carrier frequency or of sideband frequency, depending upon the value of the keying potential, a slave oscillator coupled to the output of said means to be entrained by said oscillatory voltage, and means for applying a two-valued keying potential to said means to control the same.

2,600,249
RECTIFYING INSTALLATION

Hendrik Abraham Wijnand Klinkhamer, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application April 25, 1946, Serial No. 664,723
In the Netherlands March 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 9, 1962
7 Claims. (Cl. 171—97)



1. A circuit-arrangement comprising an alternating-current source, a first rectifying system energized from said source and having an output voltage-current characteristic curve which is substantially steady with regard to voltage throughout a predetermined range of relatively small load values and which exhibits a current limitation in the case of high load values, a second rectifying system energized from said source and having an output voltage-current characteristic curve which declines with regard to voltage in the initial portion of a corresponding range of relatively small load values, and means to combine the outputs of said first and second systems to provide an output voltage.

2,600,250
TAKEDOWN METAL BOW HANDLE

Harry F. Lake and Clarence W. Grimes, Pontiac, Mich.; said Lake assignor to said Grimes

Application July 26, 1947, Serial No. 763,928
1 Claim. (Cl. 124—24)

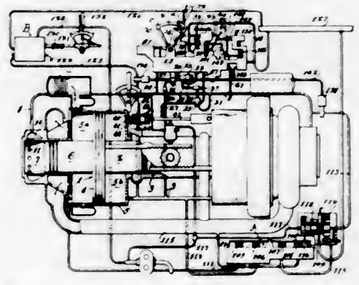


In a symmetrical take down bow for right and left handed use, an integral handle member comprising a handgrip of generally ellipsoidal curvature for anatomic conformity to a gripping hand, a laterally flared terminal portion extending endwise of one end of said handgrip and having a limb receiving slot opening endwise of said handle member, allochiral shoulder portions flared laterally of the other end of said handgrip, a narrow portion extending endwise centrally from said shoulder portions and having elongated lateral surfaces, projections carried by each of said shoulder portions in extended laterally spaced relation to said elongated lateral surfaces, said projections each having a semicylindrical upper surface to serve with the adjacent elongated surface as an arrow guideway, and a second terminal portion extending endwise from and flared laterally of said narrow portion in confronting relation to said shoulder portions to define allochiral indentations in said handle member, said second terminal portion having a limb receiving slot opening endwise of said handle member.

2,600,251
STARTER FOR FREE PISTON ENGINES

Frank M. Lewis, Weston, Mass., and Willard A. Morain, Hamilton, Ohio, assignors, by mesne assignments, to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania

Application December 6, 1945, Serial No. 633,222
25 Claims. (Cl. 60—14)



1. A starter for an internal combustion engine of the free piston type having a direct bounce chamber, compression in which tends to move the engine piston in the direction of its compression stroke, and a reverse bounce chamber, compression in which tends to move the piston in the direction of its outward stroke, comprising a source of gas under pressure, means operable to connect said source first with the reverse bounce chamber and then with the direct bounce chamber to move said piston first on its working stroke and then on a compression stroke, said means operating to vent said reverse bounce chamber prior to movement of said piston on a compression stroke and automatic means for cutting off the source connection to both said chambers when a predetermined pressure has been obtained in the direct bounce chamber.

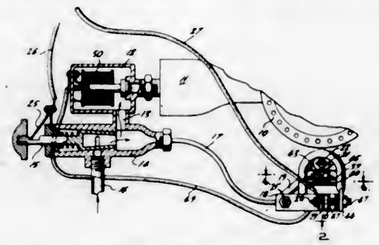
2,600,252
SAFETY CONTROL APPARATUS FOR GASEOUS FUEL BURNERS

Herbert J. Long, New York, N. Y., assignor, by mesne assignments, to G. E. S. Devices Corp., New York, N. Y., a corporation of New York

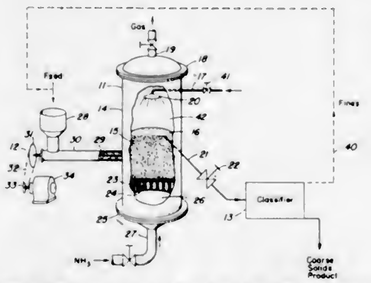
Application May 27, 1946, Serial No. 672,645
5 Claims. (Cl. 158—124)

1. A gas pilot operated circuit controller, comprising a support, a pilot burner tube having ignition flame ports and a pilot port in flame propagating relation with the ignition flame ports, the pilot tube being fixedly carried by the support, a U-shaped thin-walled tube made of homogeneous, thermally expansible heat-resistant metal so that its shape does not change sub-

stantially with change of ambient temperature, the U-tube being secured at one end to the support and having the other end free and having the bend of the U about the ignition flame ports, an electric switch carried by the support having two spaced relatively fixed contacts and a movable contact adapted to be connected to one side of a current source and biased toward one of the fixed contacts, means carried by the free end of the U-shaped tube for holding the movable contact in engagement with the other fixed contact when the tube is at a uniform temperature throughout its length, a resistance coil carried by the support, disposed opposite the ignition flame ports and connected to the said other fixed contact for energization therethrough, the concave part of the bent U-shaped tube being closely adjacent the ignition flame ports so that flame may impinge thereon and heat it to a substantially higher temperature than the other part of the bent U-shaped tube and cause the flexure of the bent U-shaped tube to move its free end in a direction and amount to cause the biased movable contact to open the circuit to the resistance coil and establish a circuit connection with the first mentioned fixed contact.

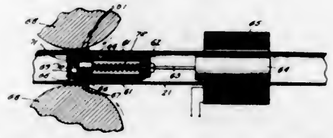


2,600,253
FERTILIZER MANUFACTURE
William A. Lutz, Westport, Conn., assignor to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application January 21, 1949, Serial No. 71,969
2 Claims. (Cl. 71—54)



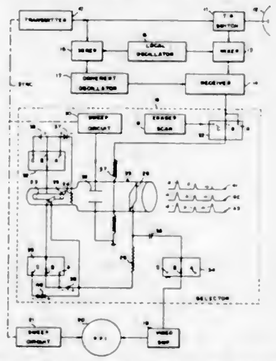
1. The process of producing fertilizer material in solid particle form by reaction between ammonia gas and a water solution of an acid selected from the group consisting of nitric, phosphoric, and sulfuric acids, which process comprises the steps of establishing and maintaining a bed of solid fertilizer particles, passing a stream of ammonia-bearing gas upwardly through the bed at a velocity sufficient to maintain the solid particles thereof as a dense turbulent fluidized suspension, supplying to the bed for exothermic reaction therein a substantially stoichiometrical quantity of said acid in water solution to react with the ammonia gas within the bed with the simultaneous evaporation of the water of said solution whereby said reaction takes place on the surfaces of solid particles in the bed so that increments of dry reaction product are formed thereon to yield fertilizer nodules built up to a controlled spherical shape and size, discharging spent fluidizing gas and evaporated water from above the bed, and continuously discharging from the bed a quantity of thus built up fertilizer modules while continuously feeding to the bed undersized solid fertilizer particles.

2,600,254
WALL TREATMENT OF TUBING
John Lysobey, Norwalk, Conn.
Application March 20, 1947, Serial No. 735,836
20 Claims. (Cl. 101—35)



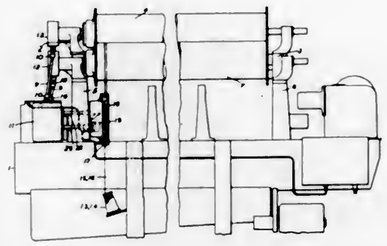
1. A device for performing operations on continuous tubing emerging from a tube-forming machine, comprising a pair of cooperable die members located one continually within the tubing and the other outside of the tubing; means including mechanism for causing the die members to engage the wall of the tubing at an operation-performing station beyond the tube-forming machine, for altering predetermined portions only of the cross section of said wall; and means independent of formation of the tube by said tube-forming machine for maintaining said one die member in the tubing substantially at said operation-performing station irrespective of the travel of the tubing.

2,600,255
MOVING TARGET INDICATION RADAR SYSTEM
Robert A. McConnell, Emsworth, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 29, 1946, Serial No. 657,934
4 Claims. (Cl. 343—9)



4. In a radio object locating system of the character described wherein two types of video pulses are provided, the first type consisting of video pulses having a cyclical variation in amplitude and corresponding to moving objects, the second type consisting of video pulses of substantially constant amplitude and corresponding to fixed objects, a pulse-operated indicator, a moving object selector comprising a low-velocity storage-mosaic tube, said tube including at least a mosaic element having a signal plate, means for generating an electron beam, means for directing said beam to said mosaic element, means for modulating said beam and a collector element, an external load impedance connected between said signal plate and said collector element, and means for applying both types of said video pulses to said beam modulation means so that only said first type of video pulses having a cyclical variation in amplitude cause corresponding output pulses to be developed across said load impedance, and means for applying said output pulses to said indicator to provide an indication of moving objects only.

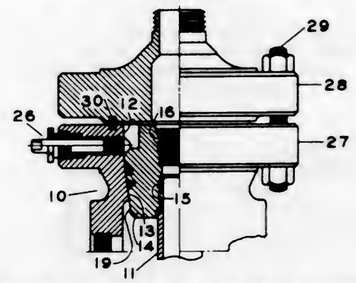
2,600,256
THREAD CONTROLLING APPARATUS IN TEXTILE MACHINES
John Lamb Murray Morrison, Bristol, and Raymond Thomas Charles Woodward, Robert Peel, and Edwin Greaves, Burton-on-Trent, England, assignors to F. N. F. Limited, Burton-on-Trent, England, a company of Great Britain
Application February 6, 1947, Serial No. 726,930
In Great Britain February 12, 1946
23 Claims. (Cl. 66—86)



1. An apparatus for controlling the movement of thread in a textile machine comprising a thread beam and driving means therefor, said driving means including a power shaft and means for driving said shaft continuously, variable speed gearing operatively connected between said driving means and said thread beam and controlled by means responsive to the linear speed of the thread with relation to the constant desired speed thereof to vary the speed of rotation of the beam inversely to the effective outer diameter of the thread on the beam so as to maintain substantially constant the rate of passage of the thread with respect to the beam.

2,600,257
TUBING HANGER PACKING
Claude R. Nelion, Houston, Tex., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1946, Serial No. 706,779
3 Claims. (Cl. 285—22)

1. An externally tapered hanger for suspending a string of tubing in the tapered bore of a well head, said hanger being normally held in metal to metal primary sealing contact with said bore by the weight of said suspended tubing, said hanger being further provided with a resilient supplemental seal normally cooperating with said metal to metal primary seal and actuated by excessive well pressure into intimate sealing contact with said bore comprising, annular grooves in the external surface of said hanger, annular lip type packing rings provided with a



main body portion secured in said grooves and a flexible lip portion protruding in its free position beyond the outer surface of said body portion and annular clearance space adjacent the outer portion of said groove and forming an integral part therewith to freely receive said lip portion when said hanger is inserted into said bore.

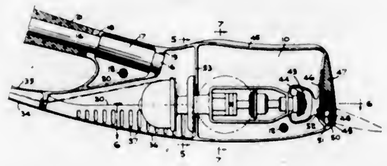
2,600,258
HOSIERY FORM ATTACHMENT
Stanley Nettler, Great Neck, N. Y.
Application November 28, 1950, Serial No. 197,907
8 Claims. (Cl. 223—75)



1. A hosiery display form attachment for insertion in the open end of a display form, comprising in combination, a hose attaching member formed for the releasable securing thereto of a part of the surplus extending from a hose on the display form at the open end thereof and being also constructed to provide a storage space therewithin for receiving a part of the surplus hose secured to said member, said hose attaching member having a width less than the diameter of the end opening in the display form and being adapted to be inserted in the end opening and to be suspended in position therein by the hose, a cover member having a flange therearound adapted to fit down over and receive therewithin

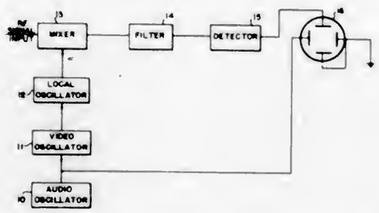
said attaching member, and said cover member being adapted to be mounted on the form at the open end thereof with said flange inserted into the form in position surrounding said attaching member with the latter suspended in position within the form.

2,600,259
FISHING ROD
Philip Charles Palmer, Alvechurch, England
Application January 15, 1949, Serial No. 71,181
In Great Britain January 21, 1948
1 Claim. (Cl. 43—20)



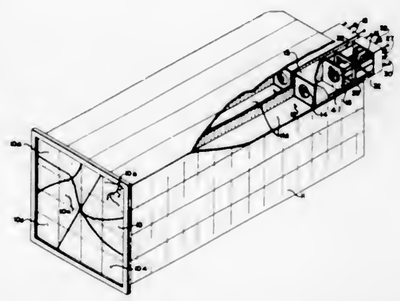
In a fishing rod, a combined handle and reel housing comprising a rigid stem, a hand grip on said stem, the stem projecting from both ends of the hand grip, a pair of mouldings which together form a hollow housing for a reel, said mouldings at their forward ends embracing the rearwardly-projecting end of the stem, the reel housing extending wholly to the rear of said hand grip, an arm extending laterally from the forwardly projecting end of the stem and having a line guide hole for maintaining a fishing line spaced away from the hand grip, a line guard adapted to enclose a fish line intermediate the reel housing and said arm alongside the hand grip, pivoted forwardly to the free end portion of the arm and detachably connected rearwardly to said reel housing, and a socket at the forward end of said stem for receiving the butt end of a rod, said hand grip being disposed wholly between said reel housing and the socket, said reel housing having a concave portion in its upper surface engageable by the forearm behind a hand grasping the hand grip.

2,600,260
ULTRAHIGH-FREQUENCY PANORAMIC RECEIVER
David A. Park, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application April 30, 1946, Serial No. 666,004
1 Claim. (Cl. 250—20)



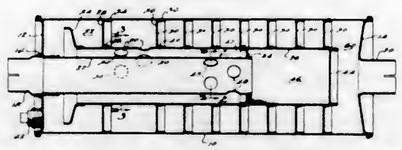
An electronic apparatus for determining the frequency spectrum of a received non-sinusoidally modulated ultra-high frequency signal, wherein the width of said frequency spectrum is small relative to said ultra-high frequency, comprising means for generating a local signal whose frequency varies cyclically between preselected limits, said means including an audio-frequency signal source, a video-frequency oscillator means including means for applying said audio-frequency signal thereto to produce a video signal cyclically varying in frequency over a range equal to the frequency difference between said preselected limits, said frequency difference being small relative to the mean frequency of said video-frequency oscillator, a local ultra-high frequency oscillator amplitude-modulated directly by said video signal to produce said local signal, mixer means to which said local signal is directly applied for heterodyning said received and said local signals, a detector, filter means interconnecting said detector and mixer means and passing to said detector a signal having a fixed predetermined frequency lying within one of the sidebands of said mixer means output, and a cathode ray tube indicator means for presenting output signals of said detector against a reference trace produced in synchronism with said audio-frequency signal.

2,600,261
AERIAL MAP PROJECTION METHOD AND APPARATUS FOR MAKING SAME
Harry Pennington, Jr., San Antonio, Tex.
Application August 17, 1946, Serial No. 691,218
17 Claims. (Cl. 88—24)



11. An apparatus for projecting a true mosaic map from transparencies made from series of individual aerial photographs of the area to be mapped taken as closely as possible along an exactly vertical line and from a predetermined height with substantial overlaps between adjacent exposures, which comprises in combination a bank of projectors arranged with their projection axes substantially parallel, a projecting screen in position to receive the projections, a plurality of light-absorbing diaphragms arranged between said projectors and said projecting screen all of which are substantially parallel with the projection axes and spaced parallel and adapted to eliminate the overlaps between adjacent projections, transparency holders mounted in the projection paths of said projectors, means for independently changing the lengths of the projection paths, and means for individually rotating and adjusting the transparency holders with respect to said diaphragms and the screen to eliminate the overlaps between adjacent projections, whereby a true mosaic map of the area photographed can be projected on said screen.

2,600,262
SPARK ARRESTER MECHANISM
Walter H. Powers, Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application March 19, 1951, Serial No. 216,333
12 Claims. (Cl. 183—96)



1. In an arrester structure for a gas stream having entrained solid particles, the combination of a shell having an inlet and an outlet, a conduit telescoped within said shell having one end in communication with said inlet, means defining an enlarged chamber in communication with the other end of said conduit, said chamber being closed except for said communication, said conduit being formed to provide a substantially non-restrictive side outlet adjacent said other end through which the entire said gas stream passes, solid particles being enabled to pass under the influence of momentum into, and be collected in, said chamber, said gas stream passing through said side outlet to said shell outlet, and means defining a series of relatively small openings through which said stream passes in travelling from said side outlet to said shell outlet.

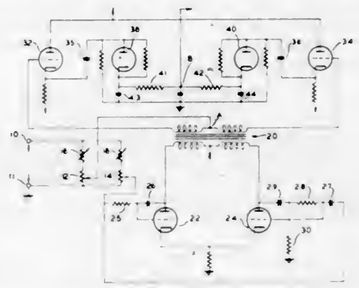
2,600,263
ARSENIC ACTIVATED ZINC SULFIDE PHOSPHOR AND METHOD FOR MAKING SAME
Jerome S. Prener, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 24, 1951, Serial No. 207,649
8 Claims. (Cl. 252—301.6)

1. The process of preparing a luminescent material which comprises mixing with zinc sulfide from 0.01 per cent to five per cent by weight of arsenic, from two per cent to six per cent by weight of a flux, firing at 900° C. for one-half hour, cooling, grinding, refiring at 900° C. for fifteen minutes, cooling and washing to free of flux.

5. A luminescent material produced by the process of claim 1.

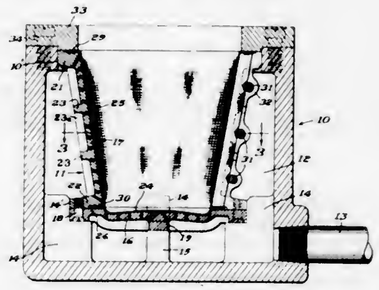
2,600,264
GEOMETRICAL COMPUTER
Warren G. Proctor, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application February 27, 1945, Serial No. 580,020
8 Claims. (Cl. 235—61)

1. In an electrical apparatus for the solution of right triangles, means for supplying two alternating computing voltages having magnitudes proportional respectively to the lengths of the two known sides of the right triangle being solved; static phase shifting means, including an integrator circuit and a differentiator circuit, for producing from one of said computing voltages two push-pull voltages each differing in phase by 90° from the input voltage to said phase shifting means; means for coupling said one of said computing voltages to the input of said phase shifting means; at least two detecting means; means for simultaneously coupling each of said push-pull voltages and the other of said computing voltages to the input of a different one of said detecting means; and means associated with



said detecting means for producing a D.-C. output which is equal in magnitude to the arithmetic mean of the outputs of said detecting means, and which is proportional in magnitude to the length of the hypotenuse of the right triangle being solved.

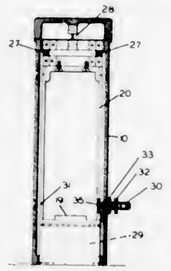
2,600,265
PULP MOLDING DIE
Walter H. Randall, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, a national banking association, and William B. Nulty, Portland, Maine, as trustees
Application March 27, 1947, Serial No. 737,506
1 Claim. (Cl. 92—54)



In apparatus for molding fibrous pulp cup-shaped articles, an open face die unit arranged while in assembled condition to be associated with or disassociated from a die body, said die unit comprising, in combination, a unitary, hollow and perforated wall section having an interior molding surface substantially frusto-conical in shape, said wall section having a single longitudinally extending slit throughout its extent to form a slot from the top of the wall section to the bottom thereof, a unitary screen shaped to conform to the inner surface of said wall section and having two longitudinal edges arranged to extend into said longitudinal slot and being further shaped to provide a top flange to overlie the top of the wall section and a bottom flange to underlie the bottom of the wall section, clamping elements on the wall section on both sides of the slot for compressing said longitudinal edges of the screen in said longitudinal slot of the wall section, a per-

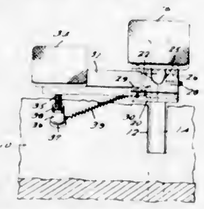
forated bottom section shaped to cooperate with said wall section and to form a bottom for the mold cavity, a screen overlying said bottom section the marginal portion of which is arranged to underlie the bottom flange of the wall section screen, and fastening elements secured to said wall section and to said bottom section holding said sections together as a die unit independently of the condition of association or disassociation of said die unit with a die body.

2,600,266
PENDULUM RETAINING MEANS
Charles Rothweiler, Milwaukee, Wis., assignor to David White Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 6, 1947, Serial No. 732,831
4 Claims. (Cl. 33—221)



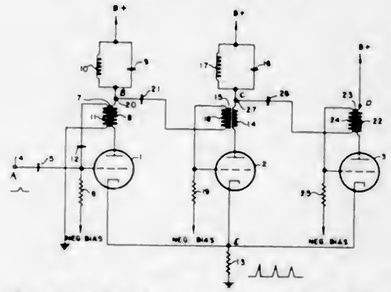
1. A pendulum controlling and retaining means comprising a main body, said body comprising a plurality of locking screws disposed in adjustable bearings mounted in said body in opposite relation to one another, said screws provided with conical points disposed inwardly, a corresponding number of concave depressions arranged within the side of said pendulum, the conical points of said screws registering with said concave depression, and means for retaining said screws in any pre-determined fixed position within said bearings for the control of said pendulum.

2,600,267
AUXILIARY PEDAL FOR FOOT BRAKE PEDALS
John Richard Ruscito and Michael John Damon, Altoona, Pa.
Application September 17, 1951, Serial No. 246,952
2 Claims. (Cl. 74—562.5)



2. In combination, a floor board, a foot brake pedal passing therethrough, and an auxiliary pedal, a pivot coupling between the pedals to permit an upward swinging movement of the auxiliary pedal on an axis extending transversely of the direction of the movement of the brake pedal, means for limiting the swinging movement of the auxiliary pedal downwardly relative to the brake pedal whereby application of downward pressure to the auxiliary pedal will force the brake pedal downwardly, a stop means for limiting the downward movement of the two pedals relative to the floor board as a unit upon the application of downward pressure to the auxiliary pedal, and means whereby the stop means may be adjusted.

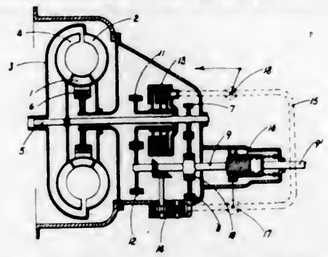
2,600,268
ELECTRICAL CIRCUIT FOR PRODUCING CODING PULSES
Paul L. Sagalyn, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 19, 1945, Serial No. 623,401
3 Claims. (Cl. 177—380)



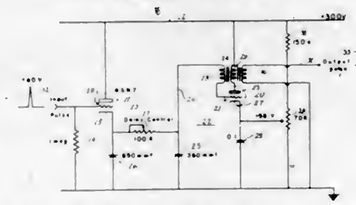
1. An electric circuit for producing coding pulses comprising a first blocking oscillator pulse generator including a vacuum tube having an anode, a cathode, and at least one control grid, said tube being biased to cut-off, means for applying unblocking pulses to the cathode-grid circuit of said first pulse generator, a load connected between said cathode and anode, a tank circuit connected between said cathode and anode, a second blocking oscillator pulse generator including a vacuum tube having a cathode, an anode, and at least one control grid, said last-mentioned tube being biased to cut-off, means coupling said tank circuit to the cathode-grid circuit of said second pulse generator for unblocking said second pulse generator during the second half of an oscillation of said tank circuit started by a pulse from said first pulse generator, and means coupling the output of said second pulse generator to said load.

2,600,269
DEVICE FOR AUTOMATIC POWER TRANSMISSION
Leon Saives, Billancourt, France, assignor to Regie Nationale des Usines Renault, Billancourt, France
Application December 7, 1950, Serial No. 199,621
In France January 18, 1950
4 Claims. (Cl. 74—731)

1. An automatic variable speed transmission comprising a primary driving shaft, a secondary shaft parallel to said primary shaft, a gear reductor interposed between said primary shaft and said secondary shaft, a pinion fixedly mounted on the secondary shaft, a second pinion loosely mounted on the primary shaft, said two pinions being in constant inter-meshing relationship, an oil pump driven by the secondary shaft, a clutch actuatable by the oil pressure delivered by said pump, the elements of said clutch being movable relatively to one another and being secured respectively to the primary shaft and to the said second pinion loosely mounted on said primary shaft, a driven shaft in axial alignment with the secondary shaft and connected thereto by connecting means controlled by the load applied to said driven shaft and adapted to cause displacements thereof relative to the said secondary shaft, means actuated by said displacements of the driven shaft for regulating the oil pressure delivered by the said oil pump to effect the engagement and disengagement of the clutch in response to variations in the value of the load on said driven shaft, and means in said gear reductor for disengaging said gear reductor when the clutch is actuated to connect the said second pinion to the driving shaft.



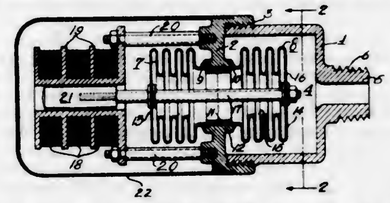
2,600,270
MICROSECOND DELAY CIRCUIT
Norman B. Saunders, Cambridge, Mass., assignor to United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development
Application June 25, 1946, Serial No. 679,125
2 Claims. (Cl. 250—27)



1. A microsecond delay circuit for delivering a shaped output pulse with predetermined delay responsive to pulse input, consisting of a first triode having a high resistance grid to ground return, a second triode, a variable resistance in series between the cathode of the first tube and the grid of the second tube, a blocking capacitance in series between the cathode of the first tube and ground, a smaller blocking capacitance in series between the grid of the second tube and ground, a cathode resistance of the second tube returned to ground, a B current supply connected to the anodes of the tubes and to ground, means to bias the second tube at will to a predetermined level related to a given input pulse to be responded to, means coupled to the second tube to transmit said output pulse, and means responsive to conduction in the second tube to block the same.

2,600,271
PRESSURE-RESPONSIVE DEVICE
Herman Schaevitz, Collingswood, N. J.
Application June 19, 1947, Serial No. 755,561
3 Claims. (Cl. 137—786)

1. A pressure-responsive device, comprising a pair of opposed expansible and contractible members having substantial tensional and compressional resistance and constructed and arranged to form a chamber, one of said members having at least one unrestricted opening therein to admit fluid freely to said chamber, means for supplying fluid under pressure to said opening and for applying such fluid to both sides of said one member, said chamber being closed to fluids other than the aforementioned fluid, and a rigid connection between the ends of said members, whereby the end of the other member is movable by the fluid pressure applied only to its interior against the resisting action of both members and is substantially unaffected by changes in ambient temperature or changes in the temperature of said fluid.

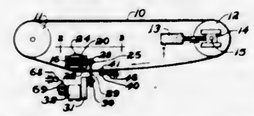


2,600,272
CIRCULAR SAW
Arthur R. Segal, Milwaukee, Wis.
Application February 25, 1949, Serial No. 78,390
1 Claim. (Cl. 143—133)



A circle saw of the type having spaced teeth projecting from its body characterized by the provision of a cutting tip seated in a pocket formed in the side of each of the teeth and opening to the front thereof with the tips fixed to the portions of the teeth defining said pockets, said pockets being formed to provide opposing walls between which the inner ends of the tips are received and which securely anchor the tips against displacement by the forward tilting forces to which their inner ends are subjected during use of the saw, and alternate teeth having their pockets opening to one side of the saw with teeth interposed between said alternate teeth having their pockets opening to the opposite side of the saw.

2,600,273
APPARATUS FOR MAINTAINING ALIGNMENT OF TRAVELING BELTS
Anton G. Seifried, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 29, 1949, Serial No. 73,497
11 Claims. (Cl. 74—241)



1. Apparatus for maintaining alignment of a travelling belt, said apparatus comprising a roll

mounted tangent to a relatively straight reach of the belt and moveable angularly with relation to the direction of travel of the belt about a pivot, detector means supported adjacent margins of the belt responsive to position of an edge of the belt, reversible power-operated means engaging said roll for changing the angular relation of the roll to the belt, and means responsive to said detector means for controlling said power-operated means, said last named means comprising a power supply circuit for said power-operated means responsive to shifting of the belt in one direction for adjusting the angular position of the roll to return the belt to its normal position, a power supply circuit for said power-operated means responsive to shifting of the belt in the opposite direction for adjusting the angular position of the roll to return the belt to its normal position, and said circuits including means responsive to angular positioning of said roll in excess of a fixed limit of angularity to provide return of said roll to a mid-position.

2,600,274
ANTENNA
William Sichak, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 10, 1945, Serial No. 621,571
6 Claims. (Cl. 250—33.65)



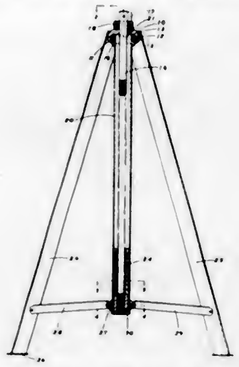
6. In an antenna, reflecting means having such shape as to produce a radiation pattern of a configuration that varies generally as the square of the cosecant of an angle measured from the axis of said reflecting means, means for illuminating said reflecting means by ultra-high frequency radio energy, and means including an auxiliary reflector made of electrically conductive material and mounted on one edge of said reflecting means and extending forwardly thereof for eliminating irregularities in the radiation pattern produced by said reflecting means.

2,600,275
SUBSTITUTED PENTANEDIOLS AND DERIVATIVES THEREOF
Curtis W. Smith, Berkeley, Calif.
No Drawing. Application October 31, 1949, Serial No. 124,736
8 Claims. (Cl. 260—615)

1. A substituted 1,5-pentanediol wherein the chain carbon atom immediately adjacent to one of the terminal carbinol groups is a tertiary carbon atom and the chain carbon atom adjacent to the other carbinol group is a quaternary carbon atom, one of the carbon atoms to which the said quaternary carbon atom is attached being the carbon atom of an ether-substituted alkyl group.

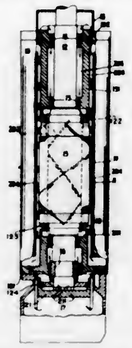
2,600,276
LIFTING JACK
Harry Smith, London, England, assignor to Smith's Jacking Systems Limited, London, England, a British company
Application December 16, 1947, Serial No. 791,975
In Great Britain August 1, 1947
7 Claims. (Cl. 254—99)

1. A lifting jack comprising a load supporting device, a pair of load supporting struts pivotally attached at their upper ends to said load supporting device, and adapted to be moved apart at their lower ends, means to limit this movement apart, a rotatable screw constituting a load bearing member mounted at its upper end on said device so as to depend therefrom between the struts, a nut mounted on the screw and carrying a load engaging element, and means hold-



ing the nut against rotation during the lifting operation, whereby the part of the screw which carries the load in tension is of diminishing length as the load is lifted, while the struts which carry the load in compression remain of constant length during operation and the load engaging element is in all positions within the compass of the angle formed by the opened struts.

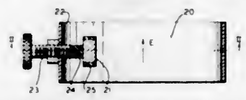
2,600,277
SUBMERSIBLE ELECTRIC MOTOR
Sidney Arthur Smith, Solihull, Birmingham, England, assignor to James Beresford & Son Limited, Birmingham, England, a corporation of Great Britain
Application January 13, 1951, Serial No. 205,880
In Great Britain May 6, 1950
6 Claims. (Cl. 172—36)



1. A submersible electric motor of the squirrel cage type incorporating a liquid tight casing which is required to be filled with a liquid coolant and a rotor comprising a core and a shaft which are enclosed within said casing and which has spiral grooving in the outer periphery of the core of the said rotor and which has spiral grooving in a surface bounding the space between the inner periphery of the said core and the rotor shaft on which said core is mounted,

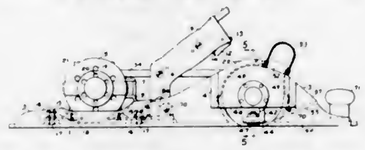
said groovings being of opposite hand with the inlet of the inner grooving and the outlet of the outer grooving opening into the same portion of the liquid filled casing and with the outlet of the inner grooving discharging on to the bounding surface of the casing in proximity to the inlet of the outer grooving whereby, when the motor is in operation, the rotation of the rotor induces a circulation of coolant in the groovings with the direction of circulation induced in the inner grooving opposite to the direction of circulation induced by the outer grooving thereby occasioning and ensuring a continuous circulation through and around the rotor core.

2,600,278
VARIABLE CAPACITY CAVITY TUNING
Louis D. Smullin, Arlington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 2, 1945, Serial No. 608,592
3 Claims. (Cl. 178—44)



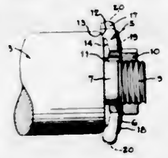
3. In combination, a cavity resonator having a cylindrical conductive side wall and plane, parallel conductive end walls, the electric vectors of oscillations adapted to be sustained therein being normal to said end walls and of greatest intensity at the center of said resonator, and tuning means for said resonator comprising a conductive lead screw threadably mounted in the cylindrical wall of said resonator and extending radially toward the center of said resonator, a coaxial extension of dielectric material secured to the inner end of said lead screw, a conductive circular disc coaxially secured to said dielectric extension whereby the faces of said disc are substantially parallel to the electric vectors of oscillations within said resonator, a dielectric sleeve mounted on the circumference of said disc, and means for rotating said lead screw whereby the faces of said disc may be adjustably positioned along a radius of said resonator, said disc and sleeve being effective to progressively increase the capacitance of said resonator and to lower its resonant frequency as it is moved toward the region of highest electric intensity.

2,600,279
PORTABLE POWER-DRIVEN PLANER
Henry A. Spitzley, Portland, Mich.
Application March 24, 1949, Serial No. 83,162
1 Claim. (Cl. 145—5)



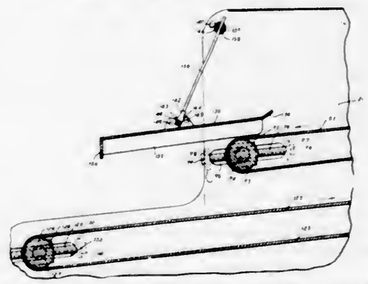
A depth adjusting device, in combination with a planer, comprising a flat base, the said base being forwardly disposed in respect to the said planer, an inclined foundation, the said foundation being integral with and disposed thereover the said base, a pair of inclined planes, the said planes being integral with the said base and being transversely opposed to each other, a lever, a boss, the said boss being integral with the said flat base, a fulcrum pin, the said pin being secured to the said boss, the said lever being rotatably secured to the said boss by the said fulcrum pin, a bracket, the said bracket having a pair of arms, the said bracket being secured by one of its arms to the stationary portion of the said planer, and the other said arm being disposed adjacent to the upper surface of the said boss, a bracket pin, the said bracket pin being secured to the said bracket, the said lever having a slot, the said slot being opposed in respect to the fulcrum of the said lever, the said lever pin engaging the slot of the said lever, the said lever being axially disposed in respect to the said planes, the transverse movement of the said lever adapted for upward and downward movement of the said base, increasing and decreasing, respectively, the depth of the cut of the said planer.

2,600,280
CIRCULAR CUTTING TOOL
Evans M. Staples, Cincinnati, Ohio
Application March 10, 1949, Serial No. 80,754
12 Claims. (Cl. 77—58)



1. A circumferentially dilatable cutting tool adapted to be mounted centrally on the end of a holder under axially adjustable compression, said tool comprising a resilient spider constituted by a central body configurated to cooperate with fastening means for attaching the spider to the end of the holder and axially angulated resilient arms extending from the body, said arms terminating in cutting tips defining, in rotation, a circle, the plane of which is offset axially in relation to the spider center, whereby adjustment of compression dilates the spider.

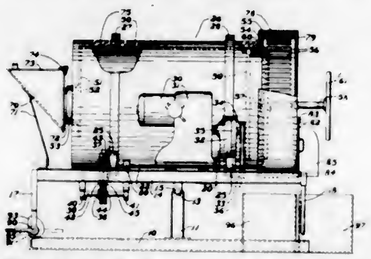
2,600,281
SHEETED DOUGH TRANSFER CONVEYER
Merlin A. Stickelber, Kansas City, Mo., assignor to Stickelber & Sons, Inc., a corporation of Missouri
Application September 7, 1948, Serial No. 48,042
11 Claims. (Cl. 198—84)



1. In a mechanism for reversing sheeted dough pieces of substantially uniform length end for end relative to their direction of travel, a pair of superposed conveyors operating in opposite directions, the discharge end of the upper of said con-

veyors being located over and at a point spaced from the corresponding end of the lower of said conveyors, means for operating said upper conveyor at a speed to project sheeted dough pieces endwise therefrom, and dough piece deflecting means extending over the dough pieces projected from said upper conveyor and comprising arresting means spaced endwise of and beyond said end of said upper conveyor a distance greater than the length of said dough pieces and transversing the path of said projected dough pieces, whereby said dough pieces, upon engagement with said arresting means and clearance of said upper conveyor, are deposited directly on said lower conveyor same side up as on said upper conveyor.

2,600,282
APPARATUS FOR TUMBLING RUBBER ARTICLES
Walter J. Strong, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 7, 1950, Serial No. 199,685
3 Claims. (Cl. 51—164)



1. Apparatus for removing and separating mold rind from molded articles in the presence of a refrigerant, said apparatus comprising a heat-insulated rotatable cylindrical drum having a charging aperture at one end thereof for receiving molded articles and refrigerant and having an unobstructed discharge aperture equal in area to the cross-section of the drum at the opposite end thereof, a cylindrical screen extension mounted on the drum coaxially thereof beyond its discharge aperture for rotation with the drum, said screen extension being of greater diameter than the drum, a circular closure member mounted coaxially of said drum for axial movement from a position obstructing said discharge aperture to a position spaced from said discharge aperture within said screen extension to permit passage of molded articles axially of said extension between said closure member and said extension, a stationary enclosure about said extension, said enclosure having openings therethrough for egress therethrough respectively of trimmed molded articles and rind, and means extending through and beyond said enclosure and operable during rotation of said drum for so moving said closure member to open and close said drum.

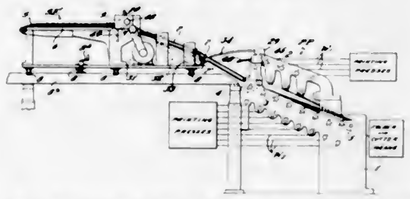
2,600,283
WINDOW AND SCREEN ASSEMBLY
Joseph Sylvan, Berkley, Mich.
Application February 25, 1949, Serial No. 78,320
4 Claims. (Cl. 160—90)

1. In a window assembly having a pair of complementary upright side frame members, complementary jamb portions formed of sheet metal and each shaped to define an intermediate channel receivable over a side frame member and adapted to grippingly engage the same, each jamb portion shaped to define a pair of runway channels disposed on opposite sides of the intermediate channel and facing in the opposite direction therefrom, a sash slidably mounted within each runway channel, a sill member extending between the bottoms of the jamb portions, said sill member having an upright wall adapted to overlap the lower rail of a sash seated upon the sill, a



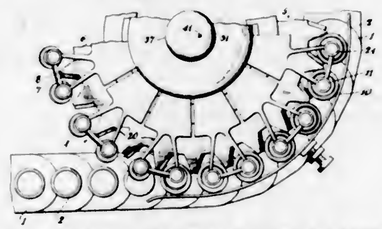
pair of supplemental runway channels each having a retaining channel facing in the opposite direction from its runway channel and grippingly receivable over a side wall of one of the runway channels of the jamb portions, a sash member slidably disposed within said supplemental runway channels and a sill portion removably receivable over the upright wall of the first mentioned sill member and adapted to form a seat for the last mentioned slidable sash.

2,600,284
APPARATUS FOR INSERTING SUPPLEMENTARY SHEETS IN NEWSPAPERS AND THE LIKE
Reginald F. W. Tranter, Wellesley, Mass., assignor to Boston Herald-Traveler Corporation, Boston, Mass., a corporation of Massachusetts
Application March 1, 1947, Serial No. 731,763
3 Claims. (Cl. 270—52)



1. For applying insert sheets at recurrent locations upon a moving web of newsprint, apparatus comprising a press for feeding the web along a predetermined path, a motor for driving said press to feed the web at press speed, a sheet feeder for sequentially presenting the sheets at a selected location in the path of the web including conveyor means for accelerating individual sheets to press speed, means for driving said sheet feeder and said conveyor means at an average speed which supplies sheets to said web at a predetermined spacing on the web, speed change means associated with said driving means to vary the said average speed, control means responsive to variations in the speed of said press to actuate said speed change means, so that the said average speed is normally maintained proportional to press speed, said control means further including manually operable means for adding and subtracting speed change increments, thereby to vary the average speed of said sheets relative to press speed so that said sheets are adjusted relatively to the web to bring them into register with said selected locations while the web is fed at press speed.

2,600,285
HEAD SPACING MECHANISM
Edward L. von Hofen, Lancaster, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application January 4, 1949, Serial No. 69,180
6 Claims. (Cl. 226—22)



1. In a device of the class described adapted to displace materials from containers, the combination of a member rotatably mounted to move about a generally horizontal axis, displacing means depending from and movable with said member, a cam roller carried by said member, a cam effective against said roller for moving said member and the displacing means depending therefrom, a key for holding said cam against rotation, and means including a vertically adjustable threaded member for selectively raising and lowering said cam.

2,600,286
DRILL BIT
Clarence H. Weiland, Oshkosh, Wis., assignor to The Bell Machine Company, Oshkosh, Wis., a corporation of Wisconsin
Application September 8, 1947, Serial No. 772,721
3 Claims. (Cl. 145—117)

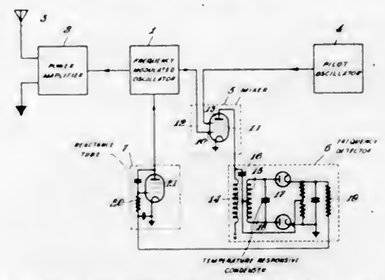


1. A drill bit characterized by diametrically opposite helically extending grooves gradually increasing in depth near and toward the cutting end of the bit with the bottoms of the flutes intersecting substantially along a longitudinal plane containing the axis of the bit to define the cutting edges of the bit, said cutting edges forming in effect one continuous edge of compound curvature lying along said plane and when viewed endwise of the bit, comprising equally but oppositely curved outer portions tangent to opposite sides of said plane and a central portion of substantially slight ogee curvature joining said curved outer portions, said central portion occupying substantially the center one-third of the diameter of the bit and providing an axially projecting point having a rounded profile at its extremity, and said outer portions having identical deeply concave curvature with their inner edge portions merging smoothly with the side edges of said point when the bit is viewed from the side at right angles to said plane.

2,600,287
PREPARATION OF HALOALKANE SULFONATES AND TOLUIDINE DERIVATIVES THEREOF
John E. Wicklatz, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 31, 1948, Serial No. 68,735
1 Claim. (Cl. 260—501)

A process for the preparation of para-toluidine 2-chlorethane sulfonate, comprising admixing an aqueous alkali metal bisulfite with vinyl chloride in a mol ratio of alkali metal bisulfite to vinyl chloride within the limits of 1:1 and 10:1, maintaining free oxygen in the resulting admixture at a temperature within the limits of 25 and 75° C. for a period of from 5 to 50 hours, recovering an alkali metal 2-chlorethane sulfonate from the resulting reaction mixture and admixing same with about an equimolar quantity of para-toluidine and introducing hydrochloric acid into the resulting last said admixture in a mol ratio of hydrochloric acid to said sulfonate within the limits of 1:1 and 1.25:1, maintaining the resulting hydrochloric acid-sulfonate admixture at a temperature of from 80 to 100° C. for a sufficient time to effect interreaction of para-toluidine and said sulfonate, and recovering para-toluidine 2-chlorethane sulfonate from the reaction mixture as a product of the process.

2,600,288
FREQUENCY STABILIZING APPARATUS
Paul Zylstra, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 10, 1946, Serial No. 660,872
In the Netherlands October 14, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 14, 1963
4 Claims. (Cl. 250—36)



1. A circuit arrangement for stabilizing the frequency of a generated carrier wave at a predetermined value independent of ambient temperature variations tending to vary the frequency of said carrier wave, comprising means to generate a carrier wave having a frequency value proportional to the ambient temperature of said generating means, means coupled to said generating means and including a frequency detector for producing a first control voltage component proportional to the frequency of said generating means, said frequency detecting means

comprising a temperature responsive reactive element to produce a further control voltage component proportional to the ambient temperature of said detecting means, and means coupled to said frequency detecting means and said generating means and responsive to said control voltage components for varying the frequency of said generating means to maintain the frequency of said generated carrier wave at said predetermined frequency value independent of said ambient temperature variations.

2,600,289

PRODUCTION OF PYRROLES

Charles A. Bordner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 19, 1948, Serial No. 15,955

10 Claims. (Cl. 260—313)

1. The method of producing a compound of the group consisting of pyrroles and substituted pyrroles, comprising reacting a heterocyclic compound of the group consisting of furan and alkyl substituted furans in the vapor phase with a compound of the group consisting of ammonia and primary amines at an elevated temperature in the presence of an alumina dehydration catalyst and of at least one mole of added steam per mole of said heterocyclic compound.

2,600,290

PROCESS FOR QUENCH-HARDENING STEEL

Ernest R. Corneil, Stamford Centre, Ontario, Canada, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 8, 1950, Serial No. 178,341

5 Claims. (Cl. 148—18)

1. The process for heat treating steel comprising heating the steel to a quench hardening temperature and thereafter quenching said steel by immersion in an aqueous liquid containing 0.1 to 10% by weight of a polyvinyl resin.

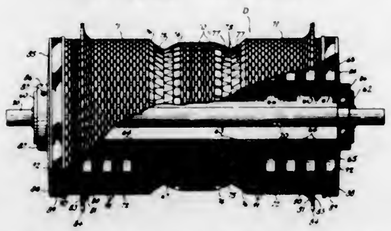
2,600,291

ROTATABLE DRUM PRESSING AND PLY TURNING DEVICE

Max Engler, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 21, 1949, Serial No. 134,230

21 Claims. (Cl. 154—9)



1. In a pressure roller for use with a rotatable tire building drum, a relatively soft and deformable core and a multiplicity of substantially circular rings disposed embracingly about the core in side by side relation, some of the rings being formed with reliefs about their outer peripheral portions to provide clearances between the outer portions of adjoining rings.

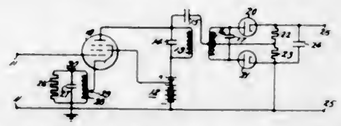
2,600,292

FREQUENCY DISCRIMINATOR CIRCUIT

Paul D. Heath, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York

Application September 25, 1948, Serial No. 51,137

7 Claims. (Cl. 250—27)



1. A frequency discriminator network comprising an electronic valve having input and output circuits, said input circuit being adapted to be energized from a source of frequency modulated waves, means connected to said output circuit for producing a voltage having an amplitude proportional to the deviation in frequency of said wave from a certain reference frequency, said reference frequency corresponding to a minimum voltage output point of the operating characteristic of said discriminator network, and a resonant impedance coupled to said input and output circuits and tuned to said reference frequency to provide degeneration in the gain of said network which is maximized at said reference frequency so as to extend the range over which said amplitude is proportional to said deviation.

2,600,293

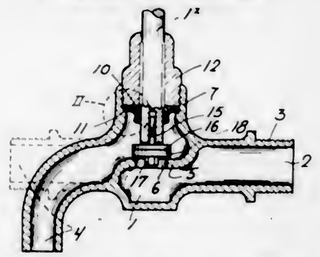
TAP OR COCK

Halvor Heidal, Nesttun near Bergun, Norway

Application May 27, 1949, Serial No. 95,787

In Norway April 4, 1948

2 Claims. (Cl. 286—26)



1. A cock of the type that comprises a body portion having a threaded boss therein, a threaded spindle housing engaging said threaded boss, a valve spindle threadedly engaged in said spindle housing, and a spindle packing about said spindle; said cock having its threaded boss provided with upwardly facing annular abutment means in concentric spaced relation to said spindle; said spindle packing comprising a molded compressible body embracing said spindle and having a longitudinal sleeve-like portion extending downwardly along said spindle and a radial flange-like portion extending from said spindle into overlying relation to said annular abutment means; said cock further comprising a metal washer supporting said molded packing and comprising a longitudinal sleeve-like portion extending downwardly about the sleeve-like portion of said compressible body and pressing it snugly against said spindle, and a radially extending flange-like portion underlying the flange-like portion of said compressible body and supported on said annular abutment means; said spindle-housing having a

pressing face engaging the upper side of said compressible body and compressing the same against said washer for forcing said compressible packing into tight engagement with said threaded boss, said washer, and said spindle; and said annular abutment means comprising a lower annular seat and an upper annular seat spaced longitudinally by a distance equal to the thickness of said washer, said lower annular seat and washer being of less radius than said upper annular seat, said washer being supported in said lower annular seat, and the radial flange of said packing extending across said washer and into overlying relation to said upper annular seat.

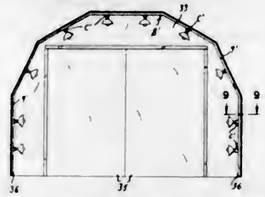
2,600,294

BAKING CHAMBER

Jack Henry, Atlanta, Ga., assignor to North American Electric Lamp Co., St. Louis, Mo., a corporation of Missouri

Application February 24, 1948, Serial No. 10,489

1 Claim. (Cl. 189—2)



A plurality of arch-forming members having L-shaped cross-sectional contour with a flat flange disposed inwardly and an edgewise presented leg-forming flange extending outwardly from said flat flange, a plurality of strip units secured at their ends to and extending horizontally between the flat flanges thereby serving as structural connections between the arch-forming members, a plurality of L-shaped clips secured to the leg-forming flanges and having flat outwardly presented faces disposed outwardly from the outwardly presented edges of the leg-forming flanges, and imperforate wall-forming panels secured to and extending between said clips for completing an enclosure around the arch-forming members in which enclosure the inwardly presented faces of the walls are spaced outwardly from the flat flanges to which the strip units are secured so as to provide for free circulation of air behind the strip units and against the edgewise presented leg-forming flanges.

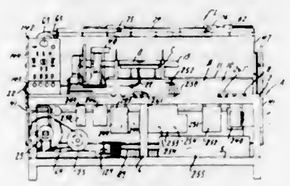
2,600,295

PHOTOENGRAVING EQUIPMENT

Theodore Hommel, Webster Groves, Mo., assignor to Universal Match Corporation, St. Louis, Mo., a corporation of Delaware

Application December 4, 1948, Serial No. 63,514

16 Claims. (Cl. 95—77.5)



12. A photoengraving machine for exposing photosensitized cylinders comprising a table-like

base, a lamp assembly swingably mounted for rocking movement above the base about an axis located in upwardly spaced parallel relation to the top surface of the base, and a cylinder-supporting carriage slidably mounted on the base for movement along a path at right angles to the axis of rotation of the lamp assembly, locking means optionally connecting the carriage rigidly to the base in an operative position in which the cylinder will be supported in precise co-axial alignment with the axis of rotation of the lamp assembly.

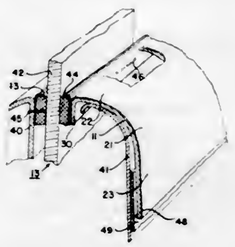
2,600,296

MOLDING PROTECTOR

Howard A. Jacobs, Dayton, Ohio

Application May 31, 1950, Serial No. 165,304

2 Claims. (Cl. 296—49.2)



1. In combination, automobile car door comprising, an outer door panel having a window opening therein, an inner door panel having a corresponding window opening therein and spaced from the outer door panel, a window glass movable vertically between said panels, a trim molding positioned around the window opening of said inner door panel including a lower horizontal run, a resilient bumper strip between said window glass and the horizontal run of said trim molding and attached to said trim molding by fastening means placed periodically along the length of said bumper strip, and a protective molding strip formed substantially to the contour of the horizontal run of said trim molding, said protective molding strip including a plurality of projecting leg portions along one edge thereof positioned between said trim molding and said bumper strip and between said fastening means and including projection means at the opposite edge of the protective molding strip engaging the opposite edge of said trim molding whereby to retain said protective molding strip in position on said trim molding.

2,600,297

AIR CIRCULATION CONTROL

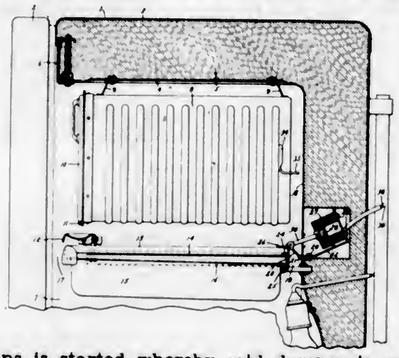
Alfred G. Janos, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application May 25, 1949, Serial No. 95,191

4 Claims. (Cl. 62—4)

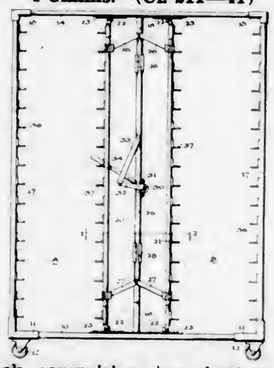
1. In a refrigerator including refrigerant-circulating means, a food storage compartment and a cooling unit, a baffle within the food storage compartment providing a passage for air circulating within said compartment and over the cooling unit, a damper for controlling circulation of air through said passage, a solenoid for controlling said damper, and a single means dependent on the temperature of said cooling unit for starting and stopping said refrigerant-circulating means to maintain a predetermined range of temperature of said cooling unit during nor-

mal operation, said single temperature-dependent means actuating said solenoid to open said damper each time the refrigerant-circulating



means is started whereby said damper is open at all times that said refrigerant-circulating means is operating.

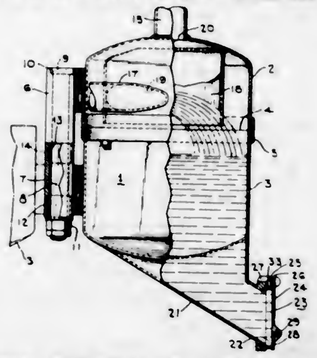
2,600,298
RACK
Leon R. Jarrett, Nashville, Tenn., assignor of one-half to Frank H. Alley, Nashville, Tenn.
Application February 23, 1950, Serial No. 145,605
4 Claims. (Cl. 211—41)



1. A rack comprising top, bottom and end frames, center posts interposed between said top and bottom frames, a pair of intermediate frame members positioned between said top and bottom frames adjacent said center posts and means carried by said center posts and engaging said intermediate frame members for simultaneously varying the distance between said intermediate frame members and said end frames.

2,600,299
TRAP TANK
Erich H. L. Johannes, Audubon, N. J., assignor to Campbell Soup Company, Camden, N. J., a corporation of New Jersey
Original application February 11, 1947, Serial No. 727,801, now Patent No. 2,511,637, dated June 13, 1950. Divided and this application October 6, 1949, Serial No. 119,856
1 Claim. (Cl. 137—205)

In apparatus for transferring soup or the like, a cylindrical trap tank having a discharge port arranged so that the tank may empty by gravity, means for evacuating the tank including an exhaust port in said tank, a suction intake duct connected to the tank, and a baffle in the interior of the tank spaced from and substantially paralleling the cylindrical wall of the latter and separating the said exhaust port from the suction



intake port, said intake duct where it joins the tank being substantially tangential to the cylindrical wall of the latter and communicating with the space between said wall and the baffle.

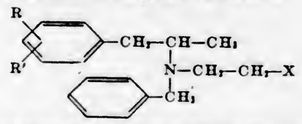
2,600,300
BIASED BALLING BAG
Harry B. Katz, St. Louis, Mo., assignor to Great Western Bag Company, St. Louis, Mo., a corporation of Missouri
Application August 28, 1950, Serial No. 181,790
1 Claim. (Cl. 47—37)



A biased balling bag for securing the balled dirt of nursery stock, said bag comprising a main tubular body having one end bunched together and secured to form a closed bottom, said body being formed from a parallelogram of loosely woven material having two only of its opposed edges parallel to the weave of the material, said opposed edges being joined in a single seam along the full extent thereof, the aforesaid construction serving to adapt the bag to conform closely to the shape of a ball of dirt upon being drawn thereabout.

2,600,301
N-SUBSTITUTED-BETA HALO-ETHYL AMINES
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 4, 1948, Serial No. 31,210
6 Claims. (Cl. 260—570.9)

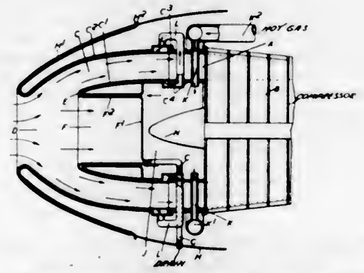
1. A compound having the structure



in which R and R' are members of the group con-

sisting of hydrogen, alkyl groups containing not more than 4 carbon atoms, a methoxy group, a hydroxy group, fluorine, chlorine and bromine and X is a member of the group consisting of chlorine and bromine; and acid addition salts of said compounds.

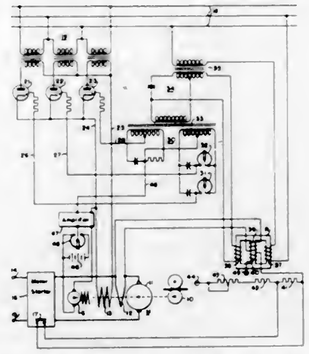
2,600,302
AIR CLEANING INTAKE FOR GAS TURBINES AND OTHER INTERNAL-COMBUSTION ENGINES
John Kinsella, Luton, England, assignor to D. Napier & Son Limited, London, England, a British company
Application September 7, 1949, Serial No. 114,329
In Great Britain October 21, 1948
7 Claims. (Cl. 60—39.09)



1. An air intake assembly for a gas turbine system comprising an air intake orifice, an annular air intake passage having inner and outer circumferential walls and lying wholly downstream of said orifice in relation to the direction of flow of air through said orifice and with its inlet end facing generally upstream in relation to the direction of flow of air through said orifice, and communicating at its inlet end directly with said orifice, the marginal contour of said orifice lying wholly within the circumference of said inner circumferential wall of said annular passage when viewed in the direction of air flow through said orifice, and a receptacle for foreign matter situated within the said inner circumferential wall of said air intake passage, with an inlet opening situated on the upstream side of the receptacle and directly downstream of and facing said air intake orifice so as to catch foreign matter entering the orifice.

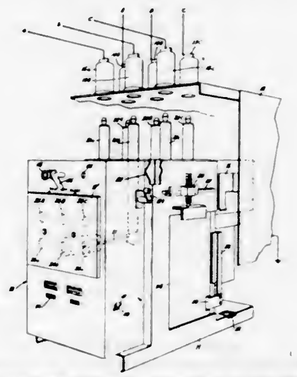
2,600,303
CURRENT-LIMITING SPEED CONTROL APPARATUS
Joseph F. Kovalsky, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1950, Serial No. 180,375
6 Claims. (Cl. 318—271)

1. Speed-regulating drive control apparatus, comprising, an electric motor including a direct-current armature circuit and a speed-controlling field circuit, alternating current supply means, a controllable rectifier connected between said supply means and said field circuit for applying rectified excitation to said field circuit and having a control circuit whose amplitude and phase position may be changed with reference to the alternating current voltage supplied to the rectifier for varying said excitation, circuit means connecting said control circuit with said supply means to provide said control circuit with periodic control voltage and comprising amplitude control means and phase shift control means, a resistance member series-connected in said armature circuit to provide a variable voltage dependent upon the current in said armature circuit, an inductive coupling device connected with



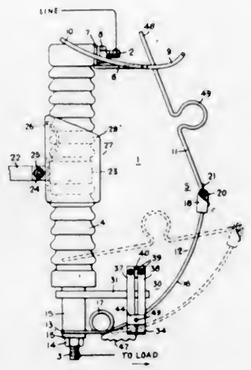
said amplitude control means and with said phase shift control means and having a control circuit for possibly controlling said two control means, said latter control circuit being connected across said resistance member and poled for causing said excitation to increase with increasing values of said current.

2,600,304
SUBSTITUTE UNIT FOR CIRCUIT TESTING AND GROUNDING
Hugh Krida, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application June 10, 1950, Serial No. 167,326
13 Claims. (Cl. 175—298)



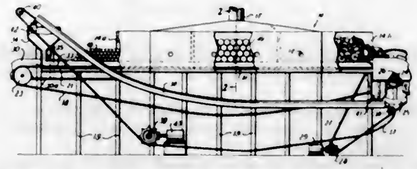
1. A selective circuit grounding substitute unit having in combination a double throw circuit selective switch, a single throw grounding switch having biasing means for opening the switch and connections with the selective switch for grounding the circuit selected thereby, an energy accumulating spring closing mechanism having a remotely operable releasing control element for closing the grounding switch with a snap action and separately controlled latching means for holding the grounding switch closed and releasing the grounding switch for snap action opening by the biasing means.

2,600,305
ELECTRICAL PROTECTIVE DEVICE
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 20, 1949, Serial No. 116,702
4 Claims. (Cl. 175—294)



4. An electrical protective device comprising an elongated support insulator, a contact electrically connected to a line terminal mounted at one end of said insulator, an arcing horn electrically connected to said contact, a load terminal mounted at the opposite end of said insulator, a switch mechanism including a flipper arm of resilient conducting material insulated from said load terminal with one end thereof fixedly mounted at said opposite end of said insulator, said flipper arm normally biased for rotation of the free end thereof in a clockwise direction with respect to said insulator, a switch arm of conducting material having one end thereof electrically connected to and pivotally mounted on said free end of said flipper arm and normally biased for counterclockwise rotation with respect thereto, the opposite end of said switch arm being engageable with said line terminal contact, a grounded arcing horn mounted on said insulator intermediate the ends thereof substantially in the plane of rotation of said switch arm and spaced a predetermined distance therefrom and a predetermined distance from said first mentioned arcing horn, an arc chute comprising a pair of plates mounted on said insulator in parallel relationship on opposite sides of and spaced from said grounded arcing horn, a latch engageable with said flipper arm to normally hold the free end thereof from clockwise rotation and said opposite end of said switch arm in engagement with said line terminal contact, releasable holding means electrically connected in series between said flipper arm and said load terminal to normally hold said latch engageable with said flipper arm, said means being responsive to a predetermined value of current flowing through said terminals to release said latch and permit clockwise rotation of said flipper arm and counterclockwise rotation of said switch arm whereby the arc current flowing between said switch arm and said line contact is transferred to flow between the arcing horn electrically connected thereto and said grounded arcing horn and thence to ground, said arc chute being effective to aid in distinguishing said arc.

2,600,306
KILN FOR HEAT-TREATING MATERIALS
Patrick C. Lipscomb, Bellaire, Tex., assignor of one-half to The Featherlite Corporation
Application May 28, 1948, Serial No. 29,841
1 Claim. (Cl. 25—142)



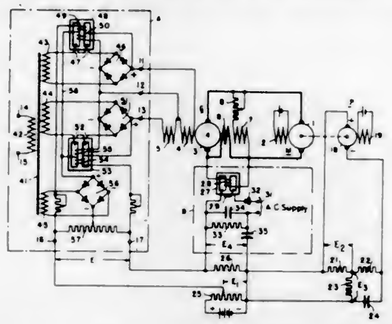
In a kiln a furnace with entrance and exit openings, a substantially flat support surface extending through the furnace entrance and exit, a metal chain type continuous conveyor operably mounted with its portion to be loaded extending through the furnace and disposed in close overlying proximity to said surface, and means for distributing at a point exterior of the furnace and adjacent its entrance a finely divided granular insulating material upon the surface in a selected thickness to encompass the conveyor for protecting the conveyor against the high temperature encounted within the furnace.

2,600,307
METHOD OF MAKING METHYL-SUBSTITUTED DISILOXANE DIOLS
Glennard R. Lucas, Pittsfield, and Robert W. Martin, Lenox, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 15, 1950, Serial No. 149,886
11 Claims. (Cl. 260—448.2)

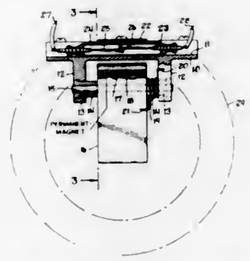
1. The process of making a methylorganodisiloxane diol which comprises (1) hydrolyzing at a temperature below 25° C. while maintaining a pH of around 5 to 10 throughout essentially the entire period of hydrolysis, a diorganodihalogenosilane corresponding to the general formula CH_3RSiX_2 where R is a monovalent hydrocarbon radical selected from the class consisting of saturated aliphatic, unsaturated aliphatic, aryl, alkaryl, aralkyl, and cycloaliphatic radicals, and X is a halogen, and (2) isolating the formed methylorganodisiloxane diol.

2,600,308
SPEED-REGULATING CONTROL SYSTEM
Alvin O. Lund, East Orange, and Walter H. Esselman, Cranford, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1950, Serial No. 173,366
9 Claims. (Cl. 318—158)

1. A speed regulating control system, comprising a motor, current supply means of variable voltage connected with said motor for controlling said motor to operate at variable speed dependent upon said voltage, voltage varying means for said current supply means, static magnetic amplifier means having an output circuit connected with said voltage varying means to control the voltage of said current supply means and having an input circuit, voltage supply means of adjustable constant voltage connected to said input circuit to provide a first component control voltage, a speed-responsive voltage source connected with said motor to provide a second component control voltage in accordance with the motor speed, a capacitive circuit coupled with said source to provide a third component control voltage substantially proportional to the rate of change of said second component control voltage, an acceleration-responsive voltage source connected with said motor, another capacitive circuit connected with said latter source to provide a fourth component control voltage substantially proportional to the second derivative of the motor speed, said speed-responsive voltage source and said two capacitive circuits being connected with said input circuit to impress thereon said second, third and fourth component control voltages.

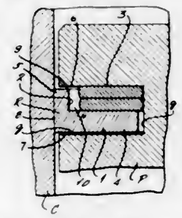


2,600,309
FLOW-RESPONSIVE ELECTRICAL SWITCH MEANS
Dennison H. MacDonald, East Haven, and Edgar A. Poe, Milford, Conn., assignors to Revere Corporation of America, Wallingford, Conn., a corporation of Connecticut
Application February 14, 1950, Serial No. 144,072
4 Claims. (Cl. 200—81.9)



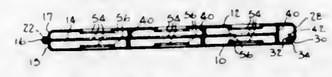
1. A flow-responsive electric switch-mechanism for a conduit having an uninterrupted flow passage, comprising a vane entirely located and pivotally mounted intermediate its ends in said uninterrupted flow passage of the conduit and having its vane parts on the opposite sides, respectively, of its pivot axis so arranged and coordinated that they are in the path of fluid advancing at the same velocity when flowing and the resultant pressure of the fluid passing through said conduit in one direction and impinging on said vane parts will turn said vane unidirectionally; a permanent magnet carried by one of said vane parts; and an electric switch having companion contact-members of which at least one member is of nonpermanent magnetic material and in magnetic relation with said permanent magnet throughout a certain rotary range of said vane.

2,600,310
PISTON PACKING RING
Melvin W. Marien, Richmond Heights, Mo., assignor to Ramsey Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 15, 1950, Serial No. 195,876
9 Claims. (Cl. 309—44)



6. A piston packing ring comprising an outer split ring element, a marginal flange forming a part of the cylinder contacting face of said ring whereby an annular recess is provided at the rear of said element, and a contracting ring element disposed in said recess.

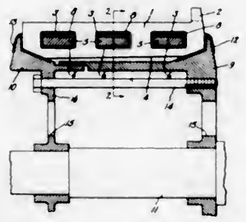
2,600,311
LOCK STRUCTURE FOR COIN SAVINGS BANKS
William J. McSweeney, Chicago, Ill., assignor to National Thrift Plans, Inc., West Bend, Wis., a corporation of Wisconsin
Application June 4, 1949, Serial No. 97,160
1 Claim. (Cl. 206—1.5)



In a pocket-savings bank, a pair of juxtapositioned members forming the walls of a coin compartment, an inwardly laterally projecting flange integrally formed on each member and extending along the entire length of each side of said members, hinge barrels integrally formed on the outer edge of each flange along a first side of each member, there being inherent resilience in said flange along said first side permitting said barrels to have relative movement with respect to each of said members, the barrels on one member being interspaced from the barrels on the other member, and a rigid pintle in said barrels whereby said members are hingedly interconnected, the flange of one member along a second side thereof opposite said first side being reflexed to provide an inwardly recessed groove extending longitudinally substantially the full length of said second side, said flange along said second side adjacent said groove being sloped inwardly of said one member to provide an inclined flap for aiding the entry of a locking tongue into said groove, the flange of the other member along a second side thereof opposite said first side being formed inwardly to provide an inwardly projecting tongue extending longitudinally substantially the full length of said second side for interfitting with said groove in the locked condition of said bank, there being inherent resilience in said tongue to permit relative flexing thereof with respect to said other member during locking of said bank, said tongue and said groove being so related with respect to each other that in the locked condition of said bank with said tongue seated in said groove said tongue and the flange of said other member along said second side and the flange on each member along said first side

will all be flexed from normal and placed under tension to make a secure lock normally unoperable without the use of a special key, said tongue centrally thereof having a key-receiving notch through which the end of a key may be placed on an inner bearing on the inside of the base of the flange of said other member along said second side, said flange of said one member along said second side having its reflexed portion straightened longitudinally centrally thereof to form both a cooperating notch in spaced alinement with said key-receiving notch and an outer bearing for a key on the outside of the base of said flange of said one member along said second side whereby a key may be inserted into the keyhole formed by said alined notches and said members relatively moved by opposite pressures on said inner and outer bearings to unseat said tongue from said groove.

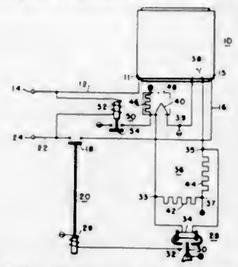
2,600,312
COMMUTATOR FOR DYNAMOELECTRIC MACHINES
Donald R. Meier, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 6, 1950, Serial No. 172,225
3 Claims. (Cl. 171—321)



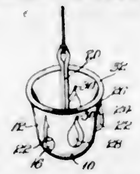
1. A commutator comprising a plurality of circumferentially arranged evenly spaced segments, each of said segments having a transverse passageway formed therein, said passageways of said segments being in circumferential alignment, an annular ring arranged in said passageways and engaging the inner walls thereof for supporting said segments, means for insulating said ring from said segments, a mass of molded resinous insulating material filling the spaces between said segments and the portions of said segment passageways unoccupied by said ring for binding said segments and said ring into a unitary structure, and mounting means engaging the inner surfaces of said segments and adapted to be mounted on a shaft.

2,600,313
TEMPERATURE REGULATING SYSTEM
Clarence L. Mershon, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1950, Serial No. 160,612
7 Claims. (Cl. 219—20)

1. In a system for controlling the temperature of a window having a resistor heating element associated therewith and disposed to be connected to a source of power, in combination, means disposed to be operated to connect the window heating element to the source of power, an auxiliary heating element having a high temperature coefficient which levels off at a predetermined temperature disposed to be connected to a source of power independently of the operation of the connecting means, a resistance bridge circuit having one temperature sensitive element in one leg thereof disposed in juxtaposition to the window and another temperature sensitive element in another leg thereof disposed in juxtaposition to the auxiliary heating element, and means responsive to predetermined conditions of the resistance balance of the bridge circuit connected to control the operation of the connecting means, said another temperature sensitive element being responsive to the rate of change in temperature of the auxiliary heating element to so control the balance of the resistance bridge circuit as to control the operation of the connecting means to limit the rate of rise of the temperature of the window to a predetermined rate, said one temperature sensitive element cooperating to so control the balance of the resistance bridge circuit as to control the operation of the connecting means to prevent overheating of the window.



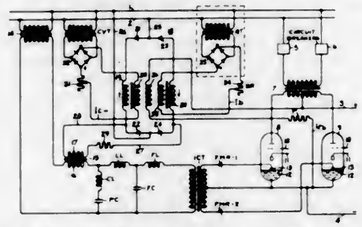
2,600,314
BAIT HOLDER
Raymond F. Miner, West Branch, Iowa
Application August 26, 1949, Serial No. 112,609
3 Claims. (Cl. 43—41)



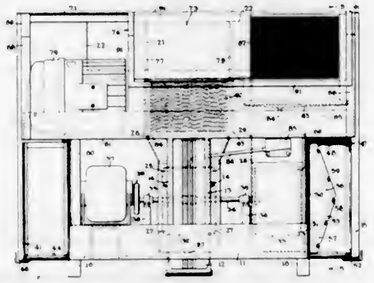
3. For use with a fish hook comprising a shank portion having a plurality of upwardly pointed hooks, an open top resilient bait containing cup having a bottom with sides joined thereto, the cup bottom being formed with a hole therethrough adapted to slidingly receive the fish hook shank, the cup sides being formed with holes connected by slits to the bottom hole and each being arranged to allow one of the hooks, when protruding outwardly through the bottom hole, to pass therefrom lengthwise through the slits and into the side holes so as to protrude outwardly therefrom and upwardly into positions closely adjacent the resilient cup sides near the open top of the cup, the cup sides being provided also with other openings each adjacent one of the cup side holes for releasing food from within the cup to the outside thereof at points close to the hooks.

2,600,315
VOLTAGE CONTROL SYSTEM
Albert H. Mittag and Marvin J. Mulhern, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 22, 1950, Serial No. 175,450
9 Claims. (Cl. 321—18)

1. In combination, an alternating current circuit, a direct current circuit, electric valve means having an anode, a cathode, and a control member interposed between said circuits, control means for energizing said control member so as to render said valve means conductive periodically, phase shifting means including a direct current control winding for varying the phase angle of the energization of said control member relative to the voltage of said anode and said cathode, amplistat means having main windings energized from a source of alternating current voltage and arranged in series with unidirectional conducting devices to supply direct current to said direct current control winding of said phase shifting means, a control winding for said amplistat, adjustable means for energizing said control winding with predetermined polarity, a biasing winding for said amplistat, means for energizing said biasing winding from one of said circuits so that the biasing effect thereof is dependent upon the voltage of said circuit, and a feedback winding on said amplistat energized in accordance with the voltage of the other of said circuits.

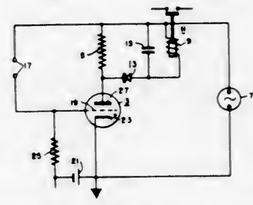


2,600,316
AIR CONDITIONER
Paul B. Moore, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application June 16, 1949, Serial No. 99,519
4 Claims. (Cl. 62—129)



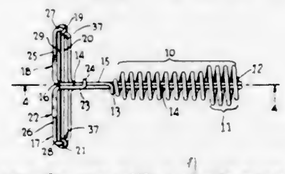
1. In a room air conditioner comprising a housing having inlet and outlet connections from and to out-of-doors and inlet and outlet connections from and to the room, a refrigerative circuit including compressor, condenser and evaporator, a condenser air circuit and fan interposed between the outdoor inlet and outlet and arranged to circulate outdoor air in heat-exchanging relation with the condenser, an evaporator air circuit and fan interposed between the inlet and outlet connections from and to the room and arranged to pass room air in heat-exchanging relation with the evaporator, a motor for driving the compressor and motor means for driving said fans; the improvement which consists in constructing said conditioner in at least two self-contained readily separable sections, a base section and a refrigerant unit section, said base section comprising as an assembled unit means providing both connections to out-of-doors and the inlet connection from the room, both fans and the fan-driving motor means, and said refrigerant unit section comprising as an assembled unit the compressor, its driving motor, the condenser, a portion of the condenser air circuit duct between the condenser fan discharge and the outdoor discharge connection, the evaporator and a portion of the evaporator air circuit duct between the discharge of the evaporator fan and the outlet to the room, said base section including a positioning support for the refrigerant unit section, and the air duct connections to the latter section being so arranged as to be established by setting the refrigerant unit section in place on said support.

2,600,317
STABILIZED CONTROL CIRCUIT
George W. Nagel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 18, 1950, Serial No. 150,443
6 Claims. (Cl. 175—335)



1. In combination, an electric valve having an anode and a cathode, a resistor, circuit means connecting said resistor to the anode of said electric valve, terminals for impressing across said resistor and said electric valve in series a voltage, an inductor and a capacitor connected in parallel, a rectifier connected in series with said capacitor and inductor, circuit connections between said resistor and said rectifier, capacitor and inductors such that the direction in which said rectifier allows current flow is in the direction from anode to cathode of said electric valve.

2,600,318
SAFETY RAZOR
Leonida Patrignani, Bologna, Italy
Application June 13, 1949, Serial No. 98,812
8 Claims. (Cl. 30—64)



1. A razor for use with a single edge blade having a front cutting portion and front-facing shoulders at the ends thereof, comprising a frame with two parallel blade supports separated by a slot and means to abut from the rear a blade resting on said blade supports, blade-gripping means comprising a blade-gripping member to engage said blade opposite said slot and side members extending rearwardly through said slot and spaced to permit the insertion of said front cut-

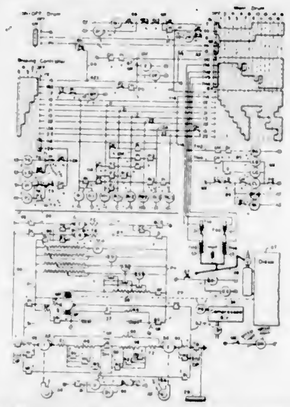
ting portion of said blade and to engage said shoulders, a handle supporting said frame, and a spring connection between said handle and said blade-gripping means to permit shifting thereof for insertion or removal of a blade.

2,600,319
REMOVABLE JEWEL EARRING
Edward Postel, Denver, Colo.
Application January 3, 1950, Serial No. 136,555
1 Claim. (Cl. 63—29)



A removable jewel mounting comprising: a plate having a jewel-receiving opening formed therein; an inwardly rounded, peripheral edge about said opening; a conical jewel cup having its apex extending inwardly through said opening and its periphery resting against the peripheral edge of said opening, there being U-shaped cuts in opposite sides of the conical surface of said conical jewel cup between the apex and the periphery of said cup and forming radial openings therein; and resilient tongues formed from the material of said cup by the U-shaped cuts therein, said tongues being attached to said cup adjacent the periphery thereof and extending over the radial openings therein and projecting from the conical surface of said cup, said tongues resiliently engaging the curved surface of the rounded edge of said jewel-receiving opening for retaining said cup in place therein.

2,600,320
TWO-POWER ELECTRIC LOCOMOTIVE
Manley C. Potter, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1950, Serial No. 185,066
16 Claims. (Cl. 105—61)

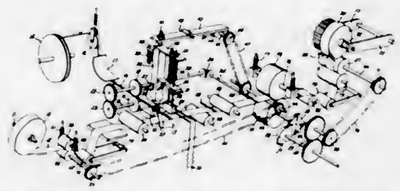


1. A self-propelled two-power electric vehicle comprising, a traction-motor, a connection-means adapted to energize said vehicle from an external electrical power-supply line when such a line is available, a variable-speed vehicle-borne engine, a generator which is driven by said engine for providing an alternative power-supply for said vehicle, the rated voltage of said connection-means being materially higher than the voltage of the generator when the latter is running at its idling-speed, a variable accelerating-resistor for said traction-motor, controller-means for controlling the motoring-speed of the traction-motor when the latter is operating from either one of said power-supplies, said controller-means having an off-position in which said traction-motor is deenergized, and a plurality of on-positions in which the traction-motor is energized at controlled speeds, said controller-means including on-position means for varying said accelerating-resistor when the traction-motor is operating from the external power-supply and including on-position means for varying the engine-speed when the traction-motor is operating from the generator, a vehicle-borne compressed-air tank, a pressure-gauge for said tank, an air-pump for said tank, a compressor-motor for driving said pump, and compressor-controlling means responsive to a low-pressure condition of said pressure-gauge for energizing said compressor-motor from whichever power-supply is in use at the moment, said compressor-controlling means including means for making an adequate voltage effective on said compressor-motor to enable said compressor-motor to effectively drive said pump when the generator is the power-supply at the moment and when the controller-means is in either its off-position or in a predetermined on-position at the moment when compressor-motor operation is required.

2,600,321
SELF-LUBRICATED PLASTICS
James J. Pyle, Coshocton, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application December 29, 1949, Serial No. 135,825
1 Claim. (Cl. 260—38)

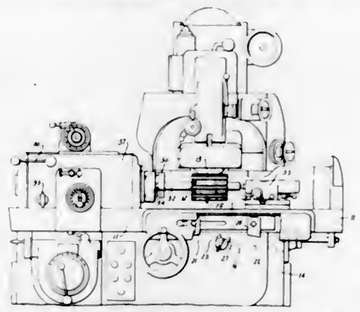
The process of making a self-lubricating molded body for bearing use which comprises mixing a resinous molding material and an inert filler to produce a powdered composition in which said plastic material and filler are intimately dispersed throughout, thereupon blending about 3 to 15 per cent by weight of powdered molybdenum sulfide with said powdered composition and molding the resulting blend into a body of desired configuration, said sulfide being continuously available for lubricating purposes as discrete particles uncoated by resin at a bearing surface of said body.

2,600,322
APPARATUS FOR AFFIXING CONDUCTING TAP STRAPS TO PAPER MOUNTING STRIPS
Edwin A. Raney, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 31, 1948, Serial No. 41,804
1 Claim. (Cl. 154—1.6)



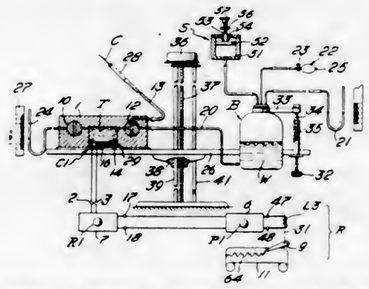
In a machine for affixing a conducting tap strap to a supply strip of mounting material at spaced and equal intervals thereon from a supply strip of conducting material, one of said strips having adhesive material applied to a surface thereof, a platform for supporting said moving strip of mounting material, a first pair of cooperating rotatable feed rolls for moving said mounting strip therebetween and across said platform, a second pair of cooperating rotatable feed rolls for moving said conducting strip therebetween and feeding an end thereof toward and transversely over said mounting strip and said platform, drive means to rotate said first and second pair of feed rolls including a Geneva mechanism to momentarily and simultaneously stop rotation of both of said pair of rolls, a combination heater and tamper having a single, flat and unbroken tamping surface engageable in heat conducting relationship with the entire portion of said conducting strip fed over said mounting strip, said tamper actuated by said drive means when said first and second pair of feed rolls and the movement of said mounting strip and said conducting strip is momentarily stopped to press and adhesively affix to said mounting strip the portion of said conducting strip transversely moved thereover, and a knife engageable with said conducting strip positioned intermediate said second pair of feed rolls and said mounting strip and actuated by said drive means to sever thereafter, and while said rolls are stopped, said conducting strip transversely at a predetermined distance exterior of a longitudinal edge of said mounting strip.

2,600,323
AUTOMATIC CUTTER SHARPENING MACHINE
Stafford M. Ransome, incompetent, Rockford, Ill., by Mae K. Ransome, conservator, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application August 12, 1948, Serial No. 43,882
14 Claims. (Cl. 51—216)



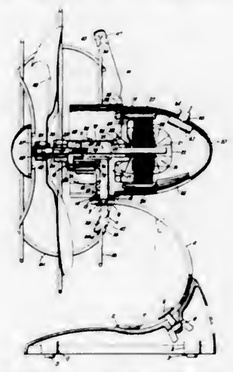
14. A cutter sharpener having, in combination, a horizontal table reciprocable back and forth, means on said table supporting a cutter to be sharpened including a spindle rotatable about an axis paralleling the table motion, an index member fast on said spindle and having notches angularly spaced to correspond to the spacing of the teeth on said cutter, a latch dog mounted on said table for radial movement into and out of said notches, means yieldably urging said dog into said notches, a collar encircling said spindle and mounted for movement axially thereof, means connecting said collar and said latch dog to shift the latter inwardly and outwardly in opposite movements of the collar, a trip element connected to said collar and supported on said table for movement relative thereto in opposite directions, and stationary means engageable with said trip element in the final portion of the retracting movement of said table and operable to shift said element relative to the table in a direction to move said collar in a direction to withdraw said latch dog from one of said notches.

2,600,324
FLUID PRESSURE MEASURING APPARATUS
Maurice B. Rappaport, Brookline, Mass., assignor to Sanborn Company, Cambridge, Mass., a corporation of Massachusetts
Application August 25, 1949, Serial No. 112,320
7 Claims. (Cl. 73—388)



1. Pressure sensing apparatus comprising a chamber containing an element responsive to pressure variations, an indicator responsive to said element, a liquid reservoir which contains a body of liquid having a free horizontal surface with a space thereabove, means for applying pneumatic pressure on said surface, means for connecting said space either to said means or to the atmosphere, a supply conduit leading from the reservoir to the chamber for supplying liquid to the chamber, a test conduit for connection between said chamber and the source of pressure to be sensed, and valve means for connecting said chamber to said reservoir for flushing or calibrating said indicator and to said source for testing.

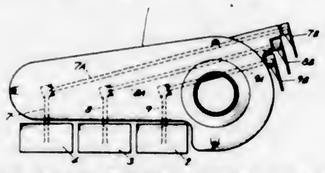
2,600,325
ENCLOSED OSCILLATING FAN
George J. Reisch, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 13, 1948, Serial No. 59,847
9 Claims. (Cl. 230—256)



1. An electric fan comprising, a stationary support, a swivel stud secured to said support, a

gear case pivotally mounted on said swivel stud, said case including a pair of spaced bearings, a driving rotor having a drive shaft journaled in said bearings, said rotor being located on one side of said bearings, a stator co-operating with said rotor supported by said gear case, a fan blade mounted on said shaft at a point thereon located on the other side of said bearings, a gear train located within said case and arranged to be driven by said shaft, said train including gears journaled on bearings in said case between said spaced bearings, a crank arm located within said case and having one end pivotally attached to said train, and a rigid arm pivotally attached to the other end of said crank arm, said rigid arm being fixed to said swivel stud within said gear case to form a stationary element about which said crank arm oscillates said gear case, said motor and said fan blade.

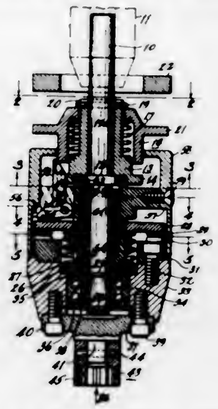
2,600,326
TREADLE MECHANISM FOR OPERATING VALVES OR THE LIKE
Frank H. Richterkessing, Louisville, Ky.
Original application February 26, 1948, Serial No. 11,221. Divided and this application October 31, 1949, Serial No. 124,569
4 Claims. (Cl. 74—512)



1. In a steam finishing board, an elongated hollow supporting base, a plurality of rock shafts journalled in bearings disposed on the axis of said base, each said shaft projecting through bearings in the wall of said base with one end disposed exteriorly thereof and the other end disposed interiorly thereof, said shafts extending parallel to each other and diagonally relative to the longitudinal axis of said base, the interior ends of said respective shafts being disposed in relative alignment parallel to said axis, cranks of uniform structure secured to said respective ends, the free ends of said cranks projecting exteriorly of said base, and foot pedals carried by said respective cranks, in combination with cranks fixed to the said exterior ends of said respective shafts in relatively longitudinally stepped relation.

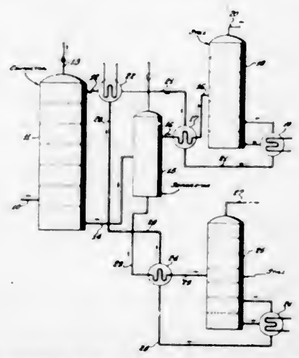
2,600,327
POWER-ACTUATED ROTARY TOOL
Donald C. Ridge, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 26, 1949, Serial No. 83,547
5 Claims. (Cl. 81—52.4)

1. A power driven hand tool comprising a shaft to be connected with a rotary power driven shaft, a member adapted to be attached to a tightening tool, transmission means between the shaft and member and including a torsion spring connected with the shaft, a clutch having a driven element attached to the member and having a driving element and a part connected with the torsion spring and providing a longitudinal spline connection with the driving element, a compression spring for separating the driving element from the driven element, means for axially moving the driving member into driving relation with the driven element against the action of the compression spring and including a movable device supported by said part and rotating bodily therewith, and a plurality of pivotally mounted cam-



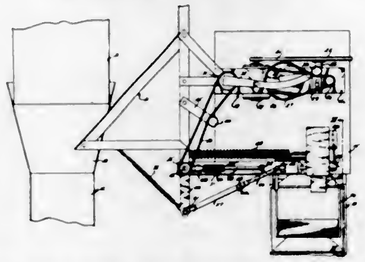
ming members for latching said device in the position in which they retain the driving element into driving relation with the driven element until the torque transmitted by the torsion spring exceeds a certain value.

2,600,328
SEPARATION OF ACIDIC CONSTITUENTS FROM GASES
Fred C. Riesenfeld, Hollywood, and Henry D. Frazier, Alhambra, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application June 7, 1948, Serial No. 31,484
7 Claims. (Cl. 23—3)



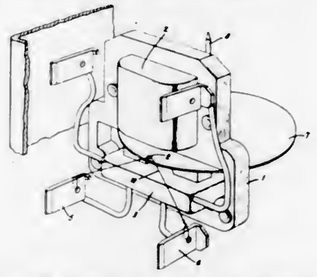
1. The method of treating a hydrocarbon gas containing hydrogen sulfide and carbon dioxide, that includes contacting the gas in a contacting zone with a monophase liquid absorbent solution comprising an alkanolamine, water and a compound having a boiling temperature above 190° C. and of the group consisting of monohydric alcohols, water soluble ethers of polyhydric alcohols, and water soluble multiple ethers of polyhydric alcohols, in sufficiently high concentration of said compound to cause by reaction of the amine with said hydrogen sulfide and carbon dioxide, the formation of two liquid phases one containing the bulk of the amine-carbon dioxide reaction product and the other the bulk of the amine-hydrogen sulfide reaction product by virtue of the relative insolubility of the amine-carbon dioxide reaction product in the remainder of the solution, separately heating and stripping said phases of their absorbed gases and returning the stripped liquids to said contacting zone.

2,600,329
AUTOMATIC TARE CATCHER
Earnest C. Romine, Hardin, Mont., and Bruno Montegna, Sheridan, Wyo.
Application December 20, 1948, Serial No. 66,334
15 Claims. (Cl. 73—423)



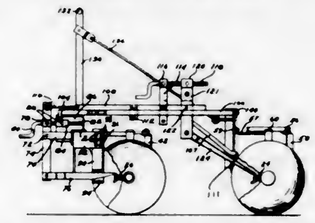
1. An automatic tare catcher comprising a supporting base, a post pivotally secured to said base, means including pivotal links connecting said pivoted post to a suitable source of power for effecting cyclic pivoted movement thereof through an including angle of less than 360°, a bucket linked to said post and adapted for movement therewith into a stream of material and out of said stream to a position for dumping the material in said bucket, and means for automatically halting said pivotal movement upon completion of a single sample taking and dumping cycle.

2,600,330
FUSIBLE MEANS FOR SECURING INSTRUMENT PARTS DURING SHIPMENT
Herbert L. Ross, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 11, 1950, Serial No. 155,212
2 Claims. (Cl. 171—95)



1. In combination with an electrical device, an enclosing casing therefor, said device including the usual electrical connections for the normal energization and use of said device and stationary and movable parts enclosed in such casing, and holding means for restraining a movable part thereof against undesirable movement during shipment of such device, said holding means including a fine wire of conducting material secured in holding relation between such movable part and some stationary structure of such device and electrically connected between points of said electrical connections across which appreciable voltage will exist during the normal use of such device, said wire being of such character as to be immediately destroyed due to current flow therethrough when said device is put into normal use.

2,600,331
DISK HARROW ANGLING MECHANISM
John F. Rude, Evansville, Ind., assignor to Alvan V. Burch, Evansville, Ind.
Application January 27, 1949, Serial No. 73,081
8 Claims. (Cl. 55—83)

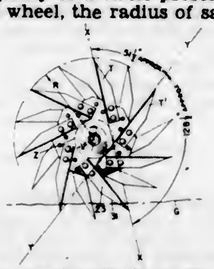


1. In a tandem disc harrow having front and rear pairs of gangs, a transverse beam for each gang pair pivotally connected with the outer ends thereof, a draft bar rigid with the rear beam and pivotally connected with the front beam at the center thereof, a lever pivoted between its ends on the front beam, draft hooks connecting the lower end of the lever with the inner ends of said front gangs, a second bar slidably guided on said draft bar and pivotally connected at its forward end with the upper end of said lever and adjustably connected at its rear end with the inner ends of the rear gangs, a structure upstanding from said front beam for connecting the harrow to a lift type tractor hitch, and means for exerting lifting force on the rear beam when the harrow is elevated comprising jointed members having their ends pivotally connected to an upper central point of said structure and their other ends connected to laterally spaced points on said rear beam, the pivotal connection of said jointed member to said structure and of said other bar to said lever being generally in vertical alignment with the pivotal connection of said draft bar and front beam whereby free swinging of the rear gang structure relative to the front gangs obtains.

2,600,332
ROTARY HOE WHEEL
John F. Rude and Alvan V. Burch, Evansville, Ind., assignors to Burch Plow Works, Inc., Evansville, Ind., a corporation of Indiana
Application August 31, 1949, Serial No. 113,316
3 Claims. (Cl. 97—212)

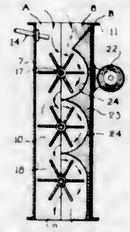
1. A rotary hoe wheel comprising a hub, a hub plate secured thereto, two series of teeth arranged on opposite sides of said hub plate and fixedly secured thereto, said teeth comprising straight, angle metal members having an elongated sharp-pointed end portion for penetration into the soil, one series of teeth being arranged in alternation to those of the other series, each series of teeth being angularly spaced about said hub plate, the angular spacing between the working faces of consecutive aligned teeth being such that lines extending longitudinally of the

teeth along the working face thereof intersect on the periphery of a circle prescribed about the axis of said wheel, the radius of said circle being



substantially one-fourth the radius of said wheel, and wherein the arc sector between said intersecting lines of consecutive teeth in each series is about 51½°.

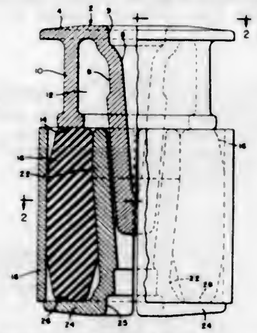
2,600,333
MOLASSES MIXER
William B. Rundle, Mount Forest, Ontario, Canada
Application June 19, 1950, Serial No. 168,907
2 Claims. (Cl. 259—180)



1. A molasses mixer for a vertical type dry feed mixer comprising a hollow, square in cross section and vertically elongated housing open at top and bottom with a direct vertical passageway therethrough and attachable to the outlet spout of the dry feed mixer by the open top thereof; a plurality of rotatable shafts vertically spaced in said housing and horizontally traversing the passageway therethrough; spider-like blades radiating from each shaft at spaced intervals along the length thereof; driving means for said shafts turning them all in one direction; vertically spaced arcuate baffle-like structures on the inside of said housing one opposite each of said bladed shafts and on one side of said housing only, namely that side toward which the upper part of the bladed shafts throw; and a liquid supply line feeding into said housing above the uppermost of said rotatable shafts.

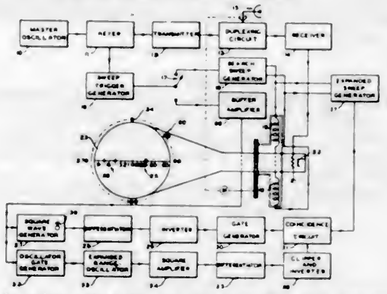
2,600,334
SNUBBER
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 20, 1948, Serial No. 3,203
16 Claims. (Cl. 267—9)

2. A friction device comprising a plurality of separable friction elements having substantially radial spring seat means and substantially axial surfaces movable therewith axially of the device on compression of the device, a friction element between said elements in frictional engagement therewith and having spring seat means facing and movable toward the first-mentioned spring seat means on compression of the device, said separable elements having means affording a seat for one end of the device against an associated part, and said last mentioned element having means affording a seat for the other end of the device against another associated relatively mov-



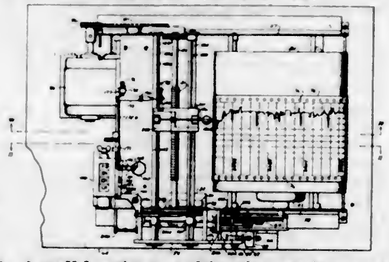
able part, and flowable resilient means compressible between both of said spring seat means and against the surfaces of the separable elements, for urging the separable elements against the first-mentioned friction element.

2,600,335
RADAR DISPLAY
Edwin G. Schneider, Lexington, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Original application February 3, 1945, Serial No. 576,115, now Patent No. 2,555,163, dated May 29, 1951. Divided and this application July 22, 1948, Serial No. 40,143
4 Claims. (Cl. 343—11)



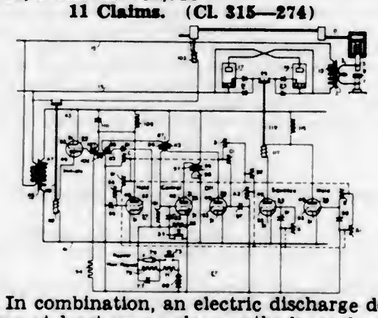
1. A pulse echo object locating system comprising means to radiate pulses into space, means to receive echoes of said pulses reflected by objects to be detected, at least one of said means having a directive characteristic, means to vary said directive characteristic for each successive pulse, means to generate time loci on a modified polar coordinate display corresponding in direction to said directive characteristic, means responsive to said receiving means for causing visible indications on said display along said loci upon receipt of an echo, means to synchronize said radiated pulses in predetermined time relation to the generation of said time loci including means to delay the initiation of the generation of said time loci by a predetermined variable time after radiation of each pulse, whereby a positional presentation of the reflecting objects is formed on said display, omitting objects within the distance corresponding to said time to provide a detailed presentation of objects beyond said distance.

2,600,336
WELL LOGGING APPARATUS
Herschell R. Scivally, Shreveport, La.
Application November 2, 1950, Serial No. 193,590
8 Claims. (Cl. 346—39)



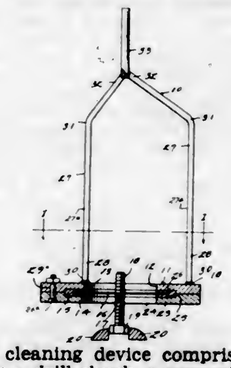
1. A well logging machine for use in connection with well drilling equipment and comprising in combination, means holding and advancing a movable record receiving element, means connecting with said drilling equipment in a manner advancing said record receiving element at a rate of speed determined by the speed of the downward movement of the drill stem of said equipment, a movable stylus maintained in contact with said record receiving element, a movable split stylus carriage having a movable timing section and a stylus marking section, with each of said sections adapted to engage and disengage with a power driven screw shaft, a movable clutch and gearing connecting said screw shaft with a driving means rotating the latter at selected rates of speed, linkage and gearing means connecting said clutch with said means for holding and advancing said record receiving element, with said linkage and gearing means operative with said element advancing means to provide contact between said sections of said stylus carriage and to subsequently move said clutch and reverse the direction of rotation of said screw shaft and reposition the timing section of said split carriage while simultaneously disengaging said marking section, and providing thereby a continuous single line record of the time consumed for a predetermined increment of downward movement of said drill stem and of the difference in time consumed for successive increments of depth .

2,600,337
ELECTRONIC SEQUENCE TIMER
Clarence B. Stadum, Snyder, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application July 1, 1949, Serial No. 102,508. Divided and this application April 25, 1950, Serial No. 158,044
11 Claims. (Cl. 315—274)



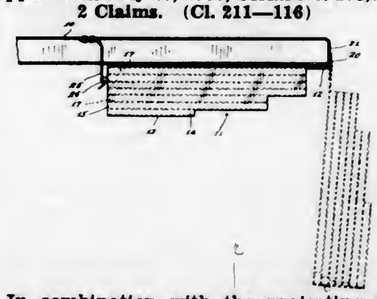
1. In combination, an electric discharge device having at least an anode, a cathode, and a control element, biasing means for maintaining said discharge device normally non-conducting, means, cooperative with said biasing means, for rendering said device conductive and means responsive to the anode current through said device and operable in the control element circuit of said device for maintaining said discharge device conductive after said rendering means becomes ineffective.

2,600,338
CAGELIKE ROTARY CLEANING BRUSH FOR THREADED BOLTS AND THE LIKE
James T. Starr, Brainerd, Minn.
Application March 6, 1950, Serial No. 147,790
1 Claim. (Cl. 15—179)



A rotary cleaning device comprising a shank insertable in a drill chuck, a support means having legs extending from the shank with the ends thereof spaced radially from said shank, a flat disc carried by said legs and coaxially disposed with said shank for centered rotation therewith, an aperture formed in the disc for centered insertion therethrough of a round linear article to be cleaned, a flat circular brush carried by the disc for centered rotation therewith, said brush having inwardly directed radically disposed wire bristles all extending in approximately the same plane for circular engagement with the article being cleaned.

2,600,339
STATIONERY RACK
Deloris M. Stewart, Shelbyville, Ind.
Application July 27, 1950, Serial No. 176,092
2 Claims. (Cl. 211—116)



1. In combination with the projecting typewriter-supporting shelf of a desk, a stationery rack, means hingedly connecting said rack at its top to the outer end of the shelf, whereby the rack is adapted to hang under the influence of gravity in a generally vertical position, parallel, generally vertical partitions dividing said rack into compartments, an abutment near the bot-

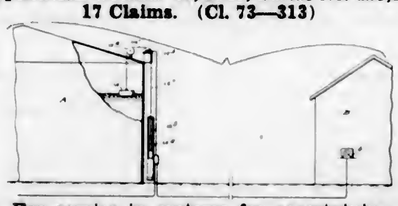
tom of the rack, said rack being swingable into a generally horizontal retracted position beneath said shelf, and a releasable latch mounted on said shelf for engaging said abutment and retaining the rack in retracted position.

2,600,340
ANIMATED MECHANICAL TOY
Walter L. Strauss, New York, N. Y.
Application March 8, 1950, Serial No. 148,458
11 Claims. (Cl. 46—104)



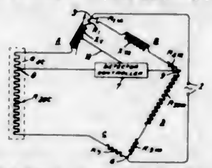
1. An animated mechanical toy comprising two bodies each in form of a figure, a flexible elongated member biased to assume a substantially straight position and connected at each end to one of said bodies for joining the same spaced apart, a running wheel on each of said bodies protruding from the base of the respective body, each of said wheels being fixedly mounted in a position in which its plane of rotation is at an angle relative to the axis of the elongated member when the said member is in its straight position, and drive means disposed on one of said bodies and operatively coupled with at least one of said wheels for rotating the same.

2,600,341
LIQUID LEVEL GAUGE AND OPERATING SYSTEM
Lee Elmer Thompson, Tulsa, Okla.
Application October 27, 1949, Serial No. 123,861
17 Claims. (Cl. 73—313)



1. For service in systems for ascertaining the depth value of the content of a tank or the like and for transmitting at will indications of such depth value to a receiving station remote from the transmitting station, and in combination, a tank the depth value of which is to be ascertained and transmitted to the receiving station, said tank having a transmitting station with the latter including an instrumentality rendered active by a float movable with the surface level of the tank content, said instrumentality including a pair of indicating hands pivotally movable on a common axis relative to each other and to a pair of scales individual to the hands and calibrated respectively in terms of feet and inches, said instrumentality also having a pair of arms each bearing a finger and movable respectively in unison with the pair of indicating hands, a transmitting assemblage connecting the transmitting and receiving stations with some of the assemblage elements located at one station and other elements at the other station and operative electrical connections therebetween, said assemblage including a motor-driven selsyn assembly of two-unit type with each unit located at a different station and with a motor of the selsyn assembly located at each station, control means located at the receiving station for rendering the selsyn assembly active at will, said means being operative to selectively control the direction of drive of the motor first in one direction of rotation and then in the opposite direction to complete the transmitting cycle, motor-driven mechanism rendered active by and in mechanically linked cooperation with selsyn unit operation at the transmitting station and rotatable with the selsyn unit for ascertaining the positions of the fingered arms relative to each other individually and by unit movements in opposite directions during the testing cycle to thereby ascertain the positions of the indicating hands of the instrumentality individually and in succession relative to its scale during the test, a pair of scales at the receiving station, and a single indicating hand at the latter station and movable in unison with the selsyn unit at such station, said hand co-operating with the two scales successively by the opposite rotations of the receiving station selsyn unit to thereby provide data for indicating the relative positions of the hands of the instrumentality at the transmitting station during the testing cycle of such station.

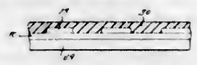
2,600,342
ALTERNATING CURRENT MEASUREMENT BRIDGE
William H. Tucker, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application September 20, 1950, Serial No. 185,743
4 Claims. (Cl. 323—64)



4. An alternating current bridge having first and second bridge arms connected in series between first and second supply terminals respectively, said first arm containing a bridge balancing variable inductance, a variable measurement resistance a portion of which is contained in the first and a portion in the second bridge arms, third and fourth bridge arms connected in series betwen said first and second supply terminals respectively, the third arm containing a fixed inductance, and all four of said arms containing fixed resistances, the inductances in the first and third arms being connected to the first supply terminal and the fixed resistances in the second and fourth arms being connected to the second supply terminal, a detector terminal between the first and second arms at a point on the variable measurement resistance and a second detector terminal between the third and fourth arms at a point between the fixed resistances, said bridge being balanced by adjustment of the variable inductance when the variable measurement resistance changes, the values of the bridge elements being chosen so that the ratio of inductance to resistance in the first and second bridge arms will be the same as the ratio of inductance to resistance in the third and fourth bridge arms for all conditions of bridge balance within the operating range of the bridge.

2,600,343
METHOD OF MAKING CONDUCTIVE PATTERNS
Clifton M. Tuttle, Halesite, N. Y., assignor to Kenyon Instrument Company, Inc., Huntington, N. Y.
Application October 7, 1948, Serial No. 53,231
14 Claims. (Cl. 204—18)

1. In the process of forming electrically conductive patterns by applying a conducting layer to an insulating base, the improvement which comprises printing a photographic latent image of the desired conductive pattern upon the gelatino-silver-halide side of a photographic film having a layer of base material supporting the gelatine, developing the image on the film, removing from the film the gelatine containing the image, leaving the bare base material of the film over the area formerly occupied by the image and

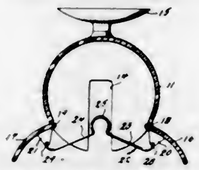


thus forming a stencil image defined by the originally unexposed gelatino-silver-halide, softening the bare base material while maintaining the remaining gelatino-silver-halide relatively hard, and covering the stencil side of the film with a conductive coating to cause the coating to adhere to the bare base material, thereby forming on the bare base material a conductive pattern corresponding to said image.

2,600,344
ANDROGENIC COMPOSITION
Clarence T. Van Meter, Arlington, N. J., assignor to Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application September 18, 1948, Serial No. 50,012
3 Claims. (Cl. 167—74)

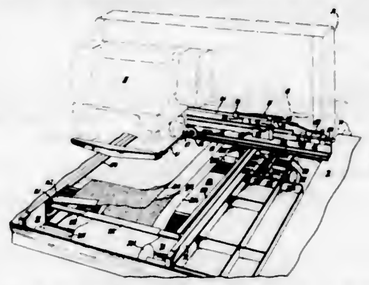
1. A clear solution for intramuscular administration in human therapy formulated to effect a substantially quantitative precipitation of its therapeutically active ingredient when injected, comprising an androgenic material selected from the group consisting of testosterone and testosterone esters, propylene glycol, water up to forty per cent, and approximately two and one-half to ten per cent of a polyoxyalkylene sorbitan fatty acid ester.

2,600,345
TOOTHBRUSH AND ARTICLE HOLDER
Francis A. Venditti, Baltimore, Md.
Application August 8, 1950, Serial No. 178,294
2 Claims. (Cl. 206—15.1)



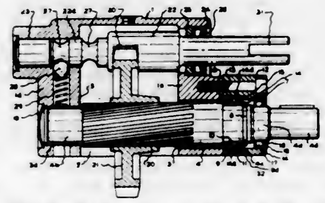
2. A holder for articles having a head and a handle comprising a casing, an opening defined by said casing for the admission of the head and part of the handle of the article, a slotted support forming the bottom portion of the holder, said slot extending towards the opening and adapted to engage the base of the head of the article for support purposes, a pair of doors hingedly mounted on said casing to close the opening after the article has entered the slot and hinged to open outwardly therefrom, a backing plate mounted on the bottom portion behind the slot, a pair of bars, each bar hingedly connecting an extremity of the backing plate and a door, a clamping means mounted on the backing plate intermediate the ends thereof and registering with the slot, said clamping means being adapted to receive the upper portion of the handle of the article, and said connecting bars placing tension on the doors when the article is positioned in the clamping means and forced into the slot within the casing, thereby forcing the doors to close.

2,600,346
LINE SPACING PLATEN FOR FLAT-BED TYPEWRITING MACHINES
William H. von Hacht, Bronxville, N. Y., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application June 30, 1949, Serial No. 102,271
15 Claims. (Cl. 197—2)



1. In a typewriting machine having a frame, a type carriage movable across said frame in typing and return directions, a flat platen movable on said frame in line spacing and return directions, means to return said carriage to one or another of a plurality of predetermined positions, means to urge said platen to an initial line space position on said frame, means to retain said platen in any line space position, means operated by said carriage upon return to one of said predetermined positions to line space said platen and other means operated by said carriage upon return to another of said predetermined positions to disable said retaining means to permit return of said platen to initial line space position.

2,600,347
POWER TAKEOFF
Robert W. Wagner, Chelsea, Mich.
Application June 5, 1948, Serial No. 31,276
1 Claim. (Cl. 74—15.86)



In a power take-off attachment for automobiles, a hollow casing having opposite side walls with opposed shaft openings therein, said openings each having journal means, a shaft rotatably mounted within said casing by having end portions thereof mounted in said journal means, said shaft having a reduced portion commencing at the point of exit of an end outside extension of the shaft from one said casing side wall and defining a radial shoulder on the shaft coincident with the outside surface of said casing side wall, said shaft having a helical spline portion within the casing and a helical gear wheel on said splined portion, and axial thrust means on said shaft for supporting the shaft against axial thrusts in

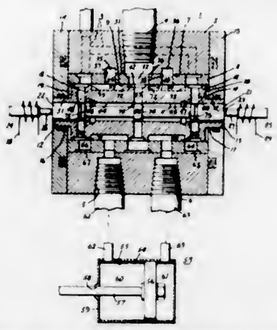
the rotation of said helical gear wheel, said axial thrust means comprising a pair of axially spaced ring members mounted on said reduced shaft extension, the external diameter of said ring members being larger than the diameter of the corresponding casing shaft opening, bearing elements between said ring members, removable casing structure, and means clamping said casing structure against the outside of said hollow casing in confining relationship to said rings, said casing structure having a bore therethrough, said bore being enlarged in concentric relationship to said reduced shaft extension and defining an internal shoulder in clamping engagement with said bearing ring assembly.

2,600,348

TWO-STAGE HYDRAULIC CONTROL VALVE

Earle R. Walthers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 30, 1949, Serial No. 135,993
3 Claims. (Cl. 137—623)



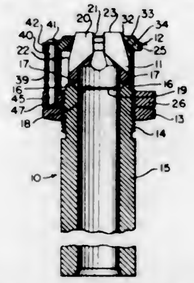
1. A two-stage hydraulic control valve comprising a housing having an inlet passageway, a pair of spaced working passageways, and a hollow cylindrical interior, a cylindrical valve sleeve assembled in fixed position in said housing interior, said valve sleeve having a cylindrical hollow interior, a cylindrical main valve in said valve sleeve having a hollow cylindrical interior and opposite projecting ends of reduced diameter, said main valve having an external diameter slightly less than the interior diameter of said valve sleeve so as to be slidably positioned in said valve sleeve, opposite closed ends for said housing, said ends having aligned apertures to accommodate said projecting ends of said main valve and provide for slidable movement of said main valve in said valve sleeve, said valve sleeve, said housing ends and said main valve having adjacent surfaces forming a pair of pressure chambers, one at each end of said main valve, a cylindrical pilot valve in said main valve having an external diameter slightly less than the interior diameter of said main valve so as to be slidably journalled in said main valve, said housing, valve sleeve, and main valve having a plurality of associated spaced apertures and annular grooves to provide for the passage of fluid from said inlet passageway to a selected one of said working passageways dependent upon the position of said main valve in said housing, said valve sleeve and said housing having a plurality of apertures and annular grooves spaced to provide for the removal of fluid from a selected one of said working passageways dependent upon the position of said main valve in said valve sleeve, said main valve, said pilot valve and said sleeve having a plurality of apertures and annular grooves cooperatively spaced to provide for the removal of fluid from a selected one of said pressure chambers dependent upon the operation of said main valve, said valve sleeve, said main valve and said pilot valve having a plurality of cooperatively spaced apertures and annular grooves to admit fluid under pressure to a selected one of said pressure chambers dependent upon the operation of said pilot valve to actuate said main valve in a desired direction, and actuating means external of said housing and engaging said ends of said pilot valve to operate the same.

2,600,349

DIE HOLDER CAP

John Watson, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts

Application March 4, 1950, Serial No. 147,611
1 Claim. (Cl. 10—119)



In combination with a threading device having an externally threaded holder and a conical surfaced die keyed to the end thereof to turn therewith and comprising separated lands with spaces between them for the discharge of material from the die threads, a rigid cap structure consisting of a flat externally threaded annular base member on the threaded end of said holder, an outer plate member of generally triangular shape with a central opening surrounded by an inner conical wall diverging from the conical surface of the die and having its edge at said opening engaging the conical surfaces of the die along a line near the outer end thereof, sleeve spacers held between said base and plate members at the three corners of said plate member, and rivets passing through said plate and sleeve members and normally under tension to hold said base plate and plate members against the ends of said sleeve spacers and in assembled position of the parts to draw said edge of said opening tightly onto the outer end of the conical die surface to center the die on the holder and press the die lands onto the work.

2,600,350

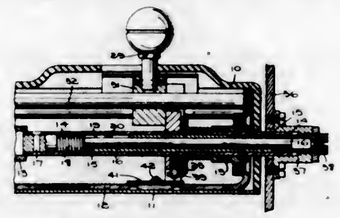
BOLT FOR LOCKS

Charles James Webster, Rosherville, Northfleet, and Wilfrid Edward Anson, Northfleet, England, assignors to Messrs. Joseph Broughton and Son (Engineers) Limited, Birmingham, England, a British company

Application April 25, 1950, Serial No. 157,886
In Great Britain April 29, 1949
13 Claims. (Cl. 200—55)

1. In or for lock controlled means, a lock of the type having a keeper and a bolt arranged for

axial movement into and out of engagement therewith comprising a bolt formed in a plurality of parts movable axially relatively to one another, said parts having shaped portions which are in register when the parts are brought to predetermined relative positions; a member adapted for



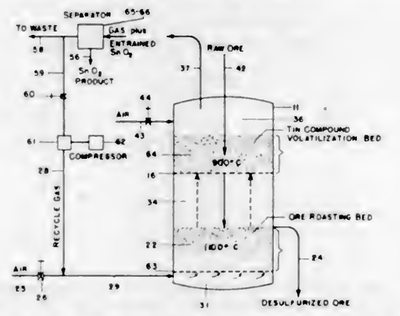
operative connection with the means controlled by the lock and adapted to engage said shaped portions, when in register, to cause operation of the lock-controlled means; and means, associated with the keeper, to move the parts of the bolt to said predetermined relative positions when the bolt and keeper are engaged.

2,600,351

VOLATILIZATION OF TIN VALUES OF TIN ORES

David F. Wells, Westport, Robert B. Thompson, Wilton, and Elliott J. Roberts, Westport, Conn., assignors to The Dorr Company (Inc.), New York, N. Y., a corporation of Delaware

Application July 19, 1948, Serial No. 39,438
4 Claims. (Cl. 23—136)



1. A process for continuously volatilizing tin-values of tin-bearing sulfide ore, which comprises establishing a bed of such ore in a volatilizing zone, passing an uprising stream of gas therethrough at a velocity sufficient to fluidize the ore of the bed and heated to a temperature sufficient to maintain the temperature of the bed between substantially 825° C. and substantially 940° C., establishing and maintaining the sulfur-vapor content of the uprising gas while in the bed at least at a value of 1% by volume to volatilize tin-sulfide, discharging ore solids from the bed to establish a further bed, maintaining the latter at roasting temperature, passing through the further bed a stream of uprising gas at a velocity sufficient to fluidize the ore thereof bearing oxygen in quantity sufficient to roast the oxidizable contents of the bed as well as to yield an oxygen-lean gas heated substantially to roasting temperature, and introducing the oxygen-lean heated gas to the volatilizing zone to control simultaneously the temperature as well as the sulfur-vapor pressure in the volatilizing zone.

2,600,352

BRIGHT ZINC ELECTROPLATING

Christian J. Wernlund, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 7, 1950, Serial No. 137,483
4 Claims. (Cl. 204—55)

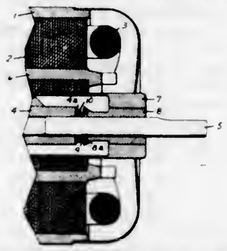
1. The process which comprises electroplating zinc from an aqueous zinc cyanide solution which contains about 60 grams per liter of zinc cyanide and an alkali metal stannate in amount equivalent to 1 to 2.5 grams per liter of sodium stannate and to which has been added about 3 to 26 grams per liter of a ketone selected from the group consisting of acetone, methyl ethyl ketone, methyl n-propyl ketone, gamma-hydroxypropyl methyl ketone, acetyl acetone, diacetone alcohol, mesityl oxide and cyclopropyl methyl ketone.

2,600,353

VIBRATION ISOLATOR

Lawrance W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application August 24, 1950, Serial No. 181,198
1 Claim. (Cl. 308—163)



In combination, a bearing member, a rotatable shaft seated in said bearing, a rotatable member mounted on said shaft, one of said members having a cup-shaped annular recess formed in its axial end, a thrust washer surrounding said shaft and engaging the axial end of the other of said members, and a yieldable resilient member moulded as a unitary structure having an inner thickened annular portion surrounding said shaft and engaging said thrust washer and an outer thickened annular portion seated against the circumferential wall of said recess, said inner and outer thickened portions being axially offset and connected by an intermediate annular necked-down portion, said necked-down portion being subjected to shear to hold said thrust washer in engagement with said other member and to resiliently cushion axial movement of said shaft and rotatable member with respect to said bearing.

2,600,354

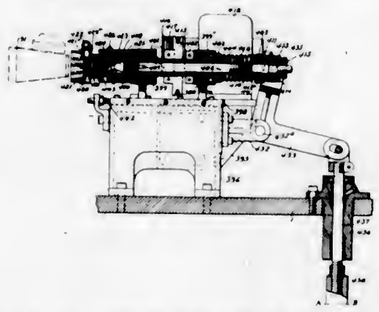
COMPOSITION FOR FORMING FLEXIBLE MOLDING PATTERNS

John E. Wiss, Columbus, Ohio

No Drawing. Application February 15, 1950, Serial No. 144,380
4 Claims. (Cl. 18—47)

1. A liquid, room temperature setting flexible mold-forming material comprising an incompletely polymerized olefin polymercaptan polymer, a liquid suspension of lead peroxide in dibutyl phthalate, and a liquid suspension of sulphur in dibutyl phthalate.

2,600,355
BOTTOM EXPANDER
Paul E. Wixon, Reisterstown, and Clarence E. Chapman, Baltimore, Md., assignors to Joseph Shapiro
Original application January 6, 1948, Serial No. 748, now Patent No. 2,546,621, dated March 27, 1951. Divided and this application May 23, 1949, Serial No. 94,893
3 Claims. (Cl. 93—36.5)



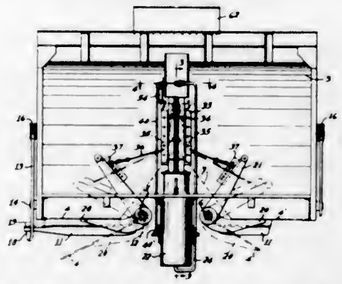
3. In a cup making machine wherein a mandrel receives a cup body projecting beyond the end of the mandrel and means are provided for supporting a flanged cup bottom within said projecting end; the improvement which comprises a bottom expander that includes: a bottom expander base, a slide slidably mounted on said base, a pair of shaft bearings on said base, a tubular shaft journalled in said bearings, a bottom expander head on said tubular shaft, said head having a side and an end opening, cover plates for said openings in the head with cover plate for the end opening having a slotted aperture, a roller operating slide block radially slidable in said head, a bearing receiving lug on said slide block arranged to extend through said slotted aperture, resilient means interposed between said side opening cover plate and said slide block for positioning said bearing lug in axial alignment with said tubular shaft, stop means in said side opening plate engageable with said slide block to limit the radial movement of said slide block and bearing lug, a bottom expander roller rotatably mounted on said bearing lug, a clamp yieldingly mounted on one of said shaft bearings with the forward end portion of said clamp projecting beyond said roller in its inoperative position, a heater on said clamp in aligned relation with said roller, means to first move said slide to bring said clamp into position with respect to the cup on said mandrel and then advancing said roller beyond the heater on said clamp and into the flanged bottom of the cup and upon further movement to move said slide block for radially moving said roller into rolling contact with the flanged bottom of the cup.

2,600,356
SHEET FEEDER
James R. Wood, Cleveland, Ohio, assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware
Application June 9, 1948, Serial No. 31,949
9 Claims. (Cl. 271—53)

1. Mechanism for feeding sheets to a printing press or other sheet handling machine, comprising a continuously rotating cylinder, a transfer cylinder in sheet transferring relation therewith, front stops on said transfer cylinder, driving connections between said cylinders for causing said transfer cylinder to have a stationary period, an acceleration period, a period of constant speed rotation at the surface speed of said continuously rotating cylinder and a deceleration period, nipper rolls for over feeding sheets to said transfer cylinder stops, continuously meshing gearing connections between said transfer cylinder and one of said nipper rolls for driving said last named nipper roll at a surface speed above that of said transfer cylinder, and intermittently acting means for exerting tractive force between said last named nipper roll and a sheet to be fed.



2,600,357
APPARATUS FOR CLOSING DUMP CAR DOORS
Charles E. Zimmerman, Globe, Ariz., assignor to Inspiration Consolidated Copper Company, a corporation of Maine
Application February 11, 1950, Serial No. 143,615
7 Claims. (Cl. 105—292)

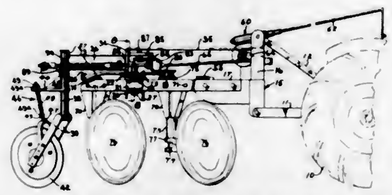


1. In a dump car having a pair of downwardly opening doors and latching means for maintaining the door in closed position after they have been closed, apparatus for closing the doors which comprises a cable secured at one end to one of the doors and at its other end to the other door, means freely engaging the cable intermediate the cable ends, and means for forcing said cable engaging means upwardly to close the doors, whereby the closing force acting upon one door is always equal to the closing force acting upon the other door.

2,600,358
METHOD OF SURFACING METAL OBJECTS
John W. Bolton, Hamilton, and Sylvester A. Weigand, Cincinnati, assignors to The Lunkenheimer Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 15, 1949, Serial No. 81,634
12 Claims. (Cl. 51—282)

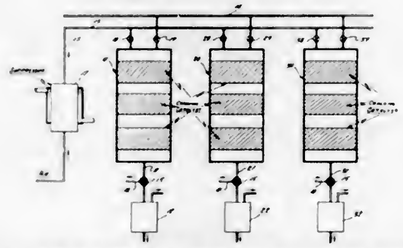
1. A method of imparting to the surface of an object made of bronze alloy, a durable, attractive finish having a color substantially matching the color of the native bronze metal, which method comprises; subjecting the surface of such object to a velocity stream of abradant particles consisting essentially of an alloy of copper, silicon, and zinc, in which abradant alloy the copper constitutes the predominant component and the silicon and zinc are sufficient in amount to impart to the minute deposits thereof which are left upon the surface of the object by their abrasion a color substantially like that of the native bronze metal of the object.

2,600,359
REVERSIBLE PLOW
Anthony R. Coviello, Tulare, Calif.
Application April 6, 1948, Serial No. 19,266
9 Claims. (Cl. 97—32)



1. In a reversible plow, the combination of a draft frame having means for connection to a draft appliance, a plow beam pivotally mounted in the draft frame for pivotal movement in a substantially horizontal plane, plow members borne by the plow beam on opposite sides of the pivotal mounting, a rudder member swivelly mounted in the draft frame in earth engagement, control means connected to the plow beam pivotally positioning said beam relative to the draft frame, and means having controlled connection to the plow beam and controlling connection to the rudder member and swivelly positioning the rudder member relative to the frame in response to pivotal movement of the plow beam in the frame and in the same direction.

2,600,360
SUPPRESSING THE OXIDATION OF CO to CO_2 IN A FIXED BED REGENERATOR
Aristid V. Grosse, Haverford, Pa.
Application July 22, 1949, Serial No. 106,251
12 Claims. (Cl. 252—416)

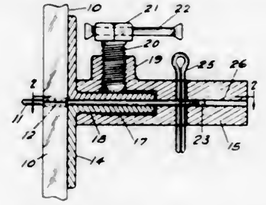


1. In a process for decarbonizing a carbonized surface of a petroleum cracking catalyst, the steps comprising preparing an oxidation suppressor by mixing an elemental halogen selected from the group consisting of chlorine and bromine with a chloride of an element selected from the group consisting of silicon, zirconium, titanium and aluminum, mixing said oxidation suppressor with an oxidizing gas, bringing said mixture of said oxidizing gas and oxidation suppressor into contact with said carbonized surface whereby said oxidation suppressor restricts the formation of carbon dioxide in the oxidation of the carbon of said carbonized surface and causes the formation of carbon oxides with carbon monoxide in the greater proportion.

2,600,361
PREVENTION OF FOAMING IN STEAM GENERATION
Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 9, 1948, Serial No. 32,042
15 Claims. (Cl. 252—321)

1. The method of inhibiting foaming in an aqueous system having a tendency to foam, which comprises dispersing into said aqueous system a substance consisting essentially of a polyethylene polyamine acylated in both its primary amino groups with a carboxylic acid containing at least 12 carbon atoms and also acylated in at least one secondary amino group with a carboxylic acid containing from 2 to 10 carbon atoms, said substance being dispersed in said aqueous system in an amount sufficient substantially to inhibit the tendency of said aqueous system to foam.

2,600,362
CONCRETE FORM PANEL AND CLAMP THEREFOR
Arthur J. Harder, Chicago, Ill.
Application June 25, 1947, Serial No. 756,968
6 Claims. (Cl. 25—131)



1. In the art of binding a pair of concrete wall form panels, each of said panels being provided on its margin with an angle member, the outwardly extending leg portion of said angle member in each panel being substantially in a perpendicular relation with the body of the panel, with a wall form retaining tie passed between the margins of a pair of adjacent panels and between a pair of adjacent leg portions of said angle members in a pair of panels, said tie extending beyond the outer edge of said leg portions of said angle members, a clamp for retaining a pair of said panels in a rigid mutual relation and for binding said tie thereto, comprising a block, a pair of spaced stationary jaws at one end of said block, a pair of adjacent leg portions of said angle members on a pair of panels with said tie interposed therebetween being received between said jaws, means in said jaws for rigidly binding said leg portions and said tie on the transverse plane thereof, said block having a recess therein extending from said jaws lengthwise thereof receiving one end of said tie therein, and means extending transversely through said block and said recess and pivotally engaging the end of said tie.

2,600,363
AUDIBLE LEVELING MEANS FOR CAMERAS AND OTHER DEVICES
Garland J. Morris, Hampton, Va.
Application June 29, 1950, Serial No. 171,015
3 Claims. (Cl. 177—311)

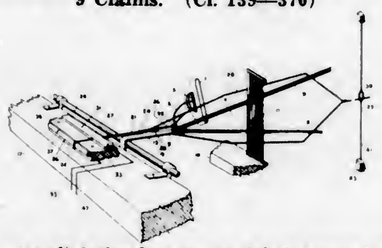


1. A leveling device comprising an electric circuit which includes a source of power, an audible signal energized by said source of power, a pendulum contact, a pair of contact points between which said pendulum swings, a mounting for the pendulum bodily adjustable with the pendulum through an arc of 90 degrees, said mounting of the pendulum being itself mounted for swinging movement in a plane perpendicular to the plane of movement of the pendulum.

2,600,364
CONDENSATION PRODUCTS OF BENZANTHRONE-Bz_1-CARBOXYLIC ACID CHLORIDE AND FLUORANTHENE
Wilhelm Schmidt-Nickels, Little York, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 19, 1949, Serial No. 77,438
4 Claims. (Cl. 260—362)

4. A process for preparing a chocolate brown vat dyestuff of the benzanthrone series which comprises reacting one mole of benzanthrone-Bz_1-carboxylic acid chloride with one mole of fluoranthene at an elevated temperature and subsequently ring closing the ketone thus formed.

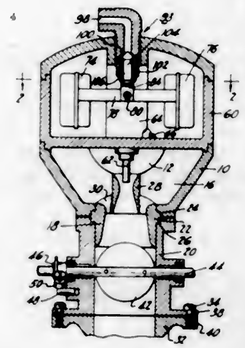
2,600,365
WEFT DETECTOR FOR LOOMS
Samuel F. Siciliano, Westerly, R. I., assignor to George C. Moore Company, Westerly, R. I., a corporation of Rhode Island
Application January 23, 1951, Serial No. 207,353
9 Claims. (Cl. 139—370)



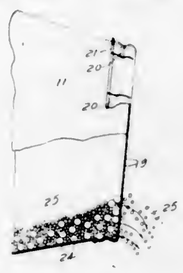
1. A weft feeler for narrow fabric looms having a shuttle, the weft feeler having a loop through which the shuttle passes, a weft-engaging element located within the loop, and a support for such element affixed to the element and to the forward extremity of the loop.

2,600,366
LIQUID LEVEL CONTROL MECHANISM
Robert W. Sloane, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 12, 1947, Serial No. 734,153
3 Claims. (Cl. 137—104)

1. In a carburetor having a fuel inlet valve and a fuel bowl with two spaced floats therein, a pivotal means disposed adjacent said inlet valve, a lever mounted on said pivotal means and adapted to rotate in a vertical plane to operate said valve in response to changes in quantity of fuel in said bowl, and a lever secured to said floats and pivoted therebetween on said first mentioned lever on an axis transverse to said pivotal means for rotation in a vertical plane normal to the plane of rotation of said first mentioned lever in response to changes in off-level positions of the carburetor.



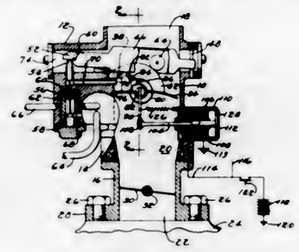
2,600,367
CAPSULE DRYING AND BURNISHING METHOD
Frank E. Stirn, Pearl River, and Arthur S. Taylor, Spring Valley, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application April 30, 1948, Serial No. 24,218
10 Claims. (Cl. 34—9)



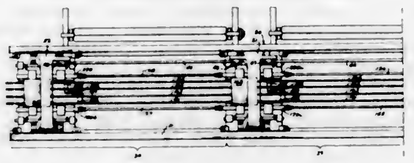
2. The process of drying and shaping soft gelatin capsules which comprises agitating such soft gelatin capsules with smaller discrete particles of a non-toxic drying agent, at about room temperature for about 2 to 3 hours.

2,600,368
CHARGE FORMING DEVICE
Albert H. Winkler, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 2, 1945, Serial No. 597,255
20 Claims. (Cl. 123—179)

1. In a charge forming device having an induction passage: a movable member therein responsive to air flow and having a substantially closed no-flow position; a fuel supply conduit communicating with the induction passage anterior to said member; a fuel regulating valve in said conduit controlled by movement of the member; yielding means urging the member toward the no-flow position; temperature responsive means adapted when cold to urge the member in the opening direction; and means for varying the effective force of said temperature responsive means on said member for a given temperature.



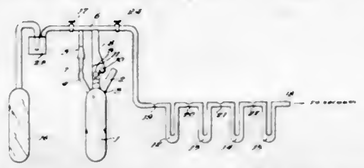
2,600,369
KNITTING MACHINE
Michael Zimic, New York, and Anton Miskovsky, Deer Park, N. Y.; said Miskovsky, assignor to said Zimic
Original application September 13, 1945, Serial No. 615,936. Divided and this application September 19, 1949, Serial No. 116,486
4 Claims. (Cl. 66—127)



1. A knitting machine comprising: a plurality of knitting units, including a master unit and at least one controller unit; each of said units having needle beds, with a plurality of needles and a carriage movable along said unit adapted to actuate said needles; means to move the carriage of the master unit along its bed; a plurality of elongated yarn carrier bars substantially as long as the combined total length of the said units plus one; a plurality of yarn guides on each of said bars, one for each of said units; said yarn carrier bars being movably mounted on said machine for movement in the same direction as said carriage is movable; and means to selectively and detachably interconnect said master carriage with any one of said yarn carrier bars.

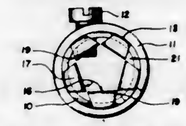
2,600,370
URANIUM BOROHYDRIDE AND METHOD OF MAKING THE SAME
Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application February 4, 1946, Serial No. 645,456
13 Claims. (Cl. 23—14.5)

1. Uranium borohydride.
2. The process of preparing uranium borohydride that comprises reacting a metal borohydride



with a uranium tetrahalide in a non-aqueous liquid medium.

2,600,371
CABLE CONNECTOR
Martin D. Bergan, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application July 14, 1949, Serial No. 104,679
1 Claim. (Cl. 285—6.5)

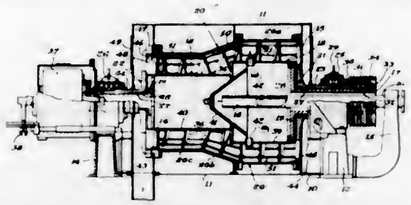


A cable connector comprising a tubular body open at its rear end, adapted to receive a conduit enclosing insulated electrical wiring, and having means to secure the conduit and body within a box hole, the front end of the tubular body being deformed symmetrically and annularly inward toward its longitudinal axis; the deformed end constituting a bushing-stop as a seat for the end of the conduit, and also constituting a bushing-throat restricting the open front end of the tubular body, and through which the insulated wiring extends; the bushing-stop being provided with a plurality of peep-holes equidistantly spaced and symmetrically formed therearound and opening into the front end of the tubular body, through which visible inspection may be made of the electrical wiring; the peep-holes being triangular shaped, with an apex of each triangular peep-hole located at the inner perimeter of the restricted bushing-throat, and one side of each triangular peep-hole being formed along the circumference of the tubular body; and thereby providing a maximum size for each of a maximum number of said peep-holes, through the bushing-stop, without interrupting the continuity of the inner perimeter of the bushing-throat, by which to provide maximum area for said visible inspection.

2,600,372
CENTRIFUGAL SEPARATOR
George A. Milliken, South Walpole, and Kenneth E. Topping, Foxboro, Mass., assignors to Bird Machine Company, South Walpole, Mass., a corporation of Massachusetts
Application December 16, 1949, Serial No. 133,376
7 Claims. (Cl. 233—7)

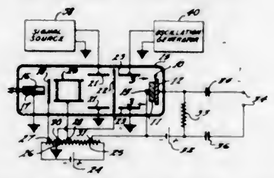
1. In a centrifugal separator including: a rotatable bowl adapted to receive a fluid mixture of fine solid particles and liquid, a solids discharge chamber at one end of the bowl, a liquid discharge chamber at the opposite end thereof, means for maintaining a predetermined depth of liquid in the bowl, a rotatable conveyor within the bowl and coaxial therewith, said conveyor comprising helical blades having working surfaces possessing a degree of smoothness precluding sub-

stantial adherence of the particles thereto, and means for rotating the conveyor and the bowl at different speeds whereby the particles are caused to move toward the solids discharge chamber, the combination with the bowl of a plurality of spaced



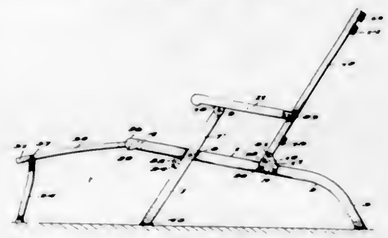
strips about the inner wall thereof serving to anchor a layer of the particles to said wall in the operation of the separator, each of said strips being generally disposed in a plane containing the axis of rotation of the bowl and conveyor.

2,600,373
SEMICONDUCTOR TRANSLATING DEVICE
Arnold R. Moore, New Brunswick, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 18, 1951, Serial No. 206,586
8 Claims. (Cl. 332—58)



1. A signal translating system comprising a semi-conducting body, a first electrode in low-resistance contact with said body, a second electrode in rectifying contact with said body, means for developing an electron beam and directing it to impinge on said body in the vicinity of said second electrode, means for deflecting said beam across said body in accordance with a signal, a source of voltage and a load impedance element connected serially between said electrodes, and means for deriving an amplified output signal across said load impedance element which is representative of said signal.

2,600,374
FOLDING METAL DECK CHAIR
Ralph A. O'Neill, Englewood, N. J.
Application August 12, 1950, Serial No. 179,081
7 Claims. (Cl. 155—139)

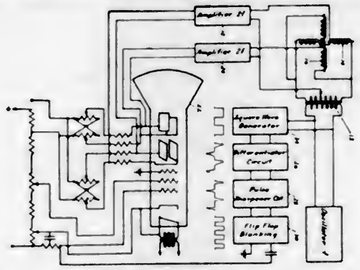


1. A folding chair capable of carrying a load with general distribution of stresses comprising side frame members defining a seat attaching portion and rearwardly extending legs, a back frame pivotally mounted on the side frame members, other leg members pivotally mounted on the side frame members, arm members pivotally mounted on the back frame members and the said other leg members, bracket means carried by the side frame members including means for supporting a load on the back frame member independently of the arm members, means carried by said bracket means for pivotally mounting the back frame, and means carried by the said other leg members for supporting a load on such leg members independently of the arm members, the said load supporting means permitting folding movement of the back frame without being removed from the bracket means.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

567,394. **MAGNETOMETER COMPASS.** Wilmer C. Anderson, Douglaston, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Filed Dec. 9, 1944. Published June 10, 1952. Class 33—204. 1 sheet of drawings. 4 pages of specification.



This application refers to a magnetometer compass comprising magnetic detection elements **14** and **16** excited by an oscillator *f*, the output from said elements being passed through amplifiers and filters **18** and **20**, respectively, said filters being tuned to pass only the second harmonic of the fundamental oscillator frequency. Cathode-ray oscilloscope **22** has the output of amplifiers **18** and **20**, respectively, applied to the vertical and horizontal deflection plates thereof so that the outputs are combined vectorially in a trace indicating two opposite compass points. To remove 180° ambiguity between the two opposite points, blanking circuitry **24**, **26**, **28** and **30** is driven by said oscillator to blank out the undesired compass point trace on the oscilloscope.

576,842. **MODE CONVERTER.** Harold K. Farr, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Filed Feb. 8, 1945. Published June 10, 1952. Class 178—44. 2 sheets of drawings. 8 pages of specification.

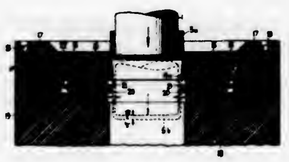


This disclosure relates to a mode converter for changing the mode of propagation of electromagnetic energy in a rectangular wave guide in the $TE_{0,1}$ mode to propagation of electromagnetic energy in a circular wave guide in the $TM_{0,1}$ mode.

This system comprises two steps, the first of which is the use of a smooth transition from a wave guide of rectangular cross section to a wave guide of circular cross section through a suitable intermediate section. This distorts the $TE_{0,1}$ mode of the rectangular wave guide into the $TE_{1,1}$ or dominant mode in the section of circular wave guide at **12**. The second step is the use of a sheet of conducting material **14** disposed in the diametral plane of the circular wave guide along the axis of polarization of the energy. This sheet of material is so asymmetrically shaped at its forward end that the electric field flux of the energy in the $TE_{1,1}$ mode is caused to gradually change its orientation until it has been rotated through 90° with respect to the original axis of polarization. Thereafter, the sheet of conducting material is so symmetrically shaped at its rear end that the flux lines of the electric field gradually become radially disposed, so that after leaving sheet **14**, the energy assumes the desired $TM_{0,1}$ mode.

It has been found that this transition is insensitive to frequency and the $TM_{0,1}$ mode is extremely pure.

599,363. **METHOD OF FORMING A COOKING UTENSIL.** Walter B. Moore, West Lafayette, Ohio. Filed June 14, 1945. Published June 10, 1952. Class 29—148.2. 2 sheets of drawings. 16 pages of specification.



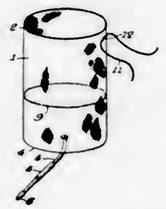
This application discloses a method for forming a cooking utensil. In its preferred form the article of the invention comprises a cooking utensil in which the bottom is thick or heavy as compared to the side-walls in order to furnish a more uniform and more effective heat-absorbing bottom to the heating element, thus resulting in a more even distribution and greater retention of heat.

I formed the said pan or other cooking article in a novel manner by steps which draw out the metal from the side-walls of the pot or pan to the desired height while decreasing the cross-sectional area for thickness of the said walls. The cooking utensil can be made of any suitable metal which can be cold drawn. If the utensil is to be enameled it is desirable that the bottom of the vessel be left bare for treatment with a metallic oxide which can be burnt or fused into the surface of the metal and which in addition to improving the looks of the article, actually improves its heat conducting characteristics.

The heating of the thick or heavy bottomed utensil requires a little more time than does the thin bottomed vessel, but once heated, it will retain a higher and more uniform heat with less heat applied to the bottom of the utensil. The tapering of the side-walls of the article is carried out by suitable dies.

610,658. **LIFESAVING DEVICE.** Cresson H. Kearny, United States Army. Filed Aug. 13, 1945. Published June 10, 1952. Class 9—17. 1 sheet of drawings. 5 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The application discloses a flexible impervious cylindrical casing **1** having an open end **2** and a closed end **4**, a valved outlet tube **3** being connected to the latter. A resilient hoop **9** is attached to the casing intermediate its ends to normally expand the casing in the vicinity of the hoop. The operator holds the end **2** open to the air, then manually closes the end **2** and rolls up the casing to expel air through the tube **3**.

642,121. **COMPOSITION COMPRISING FINELY-DIVIDED DDT AND PROCESS FOR OBTAINING SAME.** Isaac F. Walker, Hockessin, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Filed Jan. 18, 1946. Published June 10, 1952. Class 167—42. No drawing. 9 pages of specification.

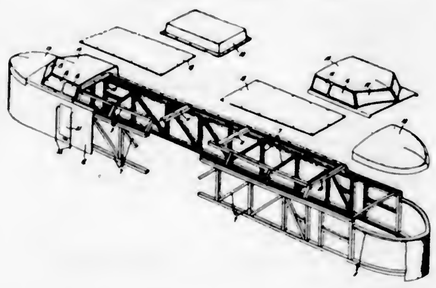
The process is directed to the production of an aqueous emulsion of the insecticidal compound popularly referred to as "DDT" in which the DDT is present in controlled particle size. The process involves heating technical grade DDT to a temperature above its melting point but below a temperature at which appreciable decomposition occurs, and an emulsifying agent consisting of a non-ionic surface active agent containing a polyoxyalkylene ether chain and which is soluble in molten DDT is added to the molten material in amount ranging from 5% to 20% of the DDT; or the mixture of DDT and emulsifying agent may be produced before the melting, and the resulting mixture then being heated until the DDT is molten and the emulsifying agent dissolved. In either event the resulting blended mixture is added, while molten, to a body of water maintained at approximately room temperature and preferably not over 25° C., which produces a super-cooled liquid from the melt used, in which the DDT forms an emulsion in the water, with a particle size ranging from 0.1 to 2.0 microns. This emulsion can be sprayed or otherwise disseminated as an insecticide material.

Since it is desired to produce an aqueous emulsion of the DDT, the particle size thereof must be below a selected maximum, at least to an important extent. To this end, it is found that the procedure must be carried out at temperatures below 50° C. in order to prevent the formation of preponderatingly massive particles which will not become, nor remain, emulsified. The amount of water in which the molten mixture of DDT and dissolved emulsifier is added does not appear to be critical, but a body of water of about four times the weight of the melt being emulsified is found to be convenient. Since the emulsion is to contain particles of the DDT that are mainly in a selected range, the temperature of the water is not allowed to rise during addition of the melt to a value conducive to the formation of massive particles, the operation being preferred to be carried out with the water not substantially over 25° C. as the maximum in order to assure the formation of a satisfactory emulsion, the cooler the temperature of the water, the finer being the particle size of the emulsified DDT and the greater its insecticidal activity. The emulsion may be stabilized, if desired, by addition thereto of an aqueous solution of a hydroxylated polymeric material selected from the group consisting of polyvinyl alcohol and methyl cellulose as stabilizing material.

Ten (10) parts of the alkyl aryl polyether known commercially as "Triton N-100" is uniformly blended with 50 parts of technical, granular DDT and the mixture heated to about 100 to 115° C. until it is completely melted. This melt is immediately poured into water at a temperature of about 25° C. with continuous agitation by means of a high speed stirrer. An extremely fine dispersion of DDT is obtained, the particles of DDT being spherical in shape and of a size within the range of 0.1 to 2.0 microns.

In place of the "Triton N-100" other surface active agents may be used such as condensed glycol esters of high molecular weight fatty acids, polyoxyalkylene ether of a partial lauric acid ester of sorbitol, polyalkyl ether condensates of fatty acids; polymerized glycol dioleate and distearate.

703,390. **LOCOMOTIVE CONSTRUCTION.** Robert Walsh, Wilmington, Del., assignor to General Electric Company, Schenectady, N. Y., a corporation of New York. Filed Oct. 15, 1946. Published June 10, 1952. Class 105—396. 2 sheets of drawings. 8 pages of specification.



Discloses a locomotive cab construction having a frame structure including vertically extending side frames **7** and end frames **8**. Vertically extending sheets **12** cover the side frames and end frames and unit end hoods **13**, unit cab covers **14** and unit hatch covers **18** are mounted on top of the frame structure.

Des. 17,577. **FOCUSING CAMERA.** Arthur H. Crapsey, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Filed Nov. 30, 1951. Published June 10, 1952. Class D 61—2. 2 sheets of drawings. 1 page of specification.

FIG. 1



FIG. 2



FIG. 3

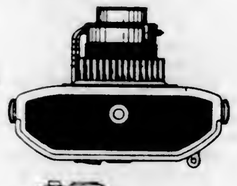


FIG. 4



This application discloses the ornamental design for a focusing camera substantially as shown in the four figures of drawing.

19,884. **OXIDATION OF URANIUM OXIDE WITH OZONE.** Clement F. Schubert, Buffalo, and Roger G. Sweet, Kenmore, N. Y. Filed Apr. 8, 1948. Published June 10, 1952. Class 23—14.5. No drawing. 4 pages of specification.

Oxidation of black uranium oxide (U_3O_8) in order to form uranium trioxide (UO_3) is effected by exposing said lower oxide of uranium, heated to temperatures suitably between 150° C. and 350° C., in contact with either ozone or oxygen in admixture with at least 0.1% ozone. For an optimum conversion rate, the reaction temperature is preferably between 200 and 250° C.

A suitable ozone-oxygen mixture for this reaction is obtained by an electrical discharge across oxygen flowing at a rate of 250–350 cc. per minute so as to generate ozone at a rate between about 0.0010 g. per minute and 0.0075 g. per minute.

To effect substantially complete conversion of the U_3O_8 to UO_3 at an improved rate, that is within 5–16 hours, requires adequate contact between the heated black oxide and the oxidant which is suitably effected by disposing the U_3O_8 in strata approximately 2 mm. in depth.

Example I

A sample of U_3O_8 was heated for about 16 hours at a temperature of about 150° C. in contact with ozone generated by a 10,000 v. silent discharge across oxygen, the latter flowing at a rate of 200 cc./min., thus producing an oxygen-ozone mixture containing about 0.3% by weight ozone. The black oxide (U_3O_8) was distributed over a glass container in a layer not exceeding a depth of 3 mm. At this temperature only portions of the black oxide were converted to the yellow UO_3.

Example II

A second sample of black oxide (U_3O_8) dispersed in layers not in excess of 3 mm. deep and heated to 200° C. was contacted for 5 hours with the ozone generated by a 10,000 v. silent discharge across oxygen flowing at a rate of 200 cc./min., so as to provide ozone at the approximate rate of 0.0010 g./min. Analysis of the product showed that 78.3% of the original sample, which was derived by calcination of uranyl fluoride

$$(3NH_4F \cdot UO_2F_2)$$

was thus converted to UO_3.

30,750. **DIALYTIC PURIFICATION OF USED COPPER-REFINING ELECTROLYTE.** Sidney B. Tuwiner, Baldwin, and Samuel Korman, Brooklyn, N. Y., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York. Filed June 2, 1948. Published June 10, 1952. Class 204—108. No drawing. 9 pages of specification.

The application describes a dialytic process for purifying impure electrolyte that has been used in the electrolytic refining of copper. One batch of spent, impure electrolyte used had the following composition:

	Grams/l
Free sulfuric acid	215.45
Copper	35.60
Nickel	11.69
Arsenic	0.90
Antimony	0.80

The impure electrolyte was continuously passed thru a dialyzer having a diffusion membrane of parchment paper, cellophane, etc., countercurrent to a stream of water on the other side of the membrane. The effluent water stream contained the following purified extract which may be returned directly to the electrolytic copper refining process:

	Grams/l
Free sulfuric acid	122.67
Copper	2.47
Nickel	0.75
Arsenic	0.17
Antimony	0.11

The impure extracted residue had the following composition:

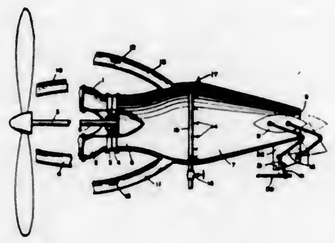
	Grams/l
Free sulfuric acid	182.0
Copper	32.65
Nickel	10.98

and may be treated to recover copper sulphate or crude metallic copper.

Some of the relatively pure sulfuric acid may be recycled through the dialyzing equipment to reduce the tendency of certain impurities to precipitate on the membrane.

45,381. TURBO-JET POWER PLANT. Ivan H. Driggs, Bethesda, Md. Filed Aug. 20, 1948. Published June 10, 1952. Class 60—35.6. 1 sheet of drawings. 4 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.)



This application relates to means for augmenting the thrust of turbo-jet power plants and particularly turbo-prop power plants, which includes auxiliary air ducts **10** and **11** arranged to convey supplementary ram air directly into the turbine exhaust pipe **7** from inlets behind the propeller. The flow of air through the ducts **10** and **11** is controlled by adjustable valves **12** and **13** respectively. Additional fuel is injected directly into the turbine exhaust pipe **7** through the fuel supply ring **15** located circumferentially around the exhaust pipe and fitted with a plurality of fuel injectors **14**. The supplementary ram air and the additional fuel are burned in the exhaust pipe and the gases thus produced are combined with the gases discharged from the turbine to provide an increased jet thrust to augment the thrust produced by the propeller of the turbo-prop power plant. In addition, there is a means provided for regulating the operation of a turbo-prop power plant fitted with the thrust augmenting means described above. This regulating means comprises a blocking element **9** adjustably positioned in the jet nozzle **8** at the outlet of the turbine exhaust pipe **7** to regulate the flow of air therethrough. By properly adjusting the position of the blocking element for various operating conditions the rate of flow through the nozzle may be adjusted to compensate for the additional gases supplied by the thrust augmenting means, while an improved propulsive efficiency is maintained.

48,672. GALVANIC ANODE ASSEMBLY. Frank H. Justin, Midland, Mich. Filed Sept. 10, 1948. Published June 10, 1952. Class 204—197. 1 sheet of drawings. 8 pages of specification.



The application describes a magnetic support for the galvanic anode of a cathodic protection system. As shown in Figure 2, steel tank **4** is protected against corrosion by sea water **5** by virtue of a direct electrical connection thru permanent magnet **8** to anode **10**. The latter may be of magnesium, zinc, aluminum, etc., and is provided with steel core **11**. A pipe-cap **8**, brazed to the magnet, receives a threaded end of the anode. The pole faces of the magnet may be provided with a number of sharp projections **12**, for the purpose of penetrating any scale on the tank wall.

64,034. METHOD OF ALTERING THE ELECTRICAL CHARACTERISTICS OF SEMICONDUCTORS. Karl Lark-Horovitz, Lafayette, Ind., and Sidney Siegel, Oak Ridge, Tenn., assignors to the United States of America as represented by the United States Atomic Energy Commission. Filed Dec. 7, 1948. Published June 10, 1952. Class 204—154. No drawing. 13 pages of specification.

This disclosure relates to the treatment of semiconductor materials to attain desired electrical characteristics by irradiation of such materials in a neutron flux, either slow or fast. In all forms of the invention, the electrical resistivity of the semiconductor sample is continuously measured during the neutron irradiation, and the irradiation is terminated when the desired value of resistivity obtains.

Several specific examples of the invention follow:

I. A sample of P-type germanium was exposed to a slow neutron flux of 0.7×10^{12} neutrons/cm.^{2}/sec. and a fast neutron flux of 0.2×10^{12} neutrons/cm.^{2}/sec. for a period of 100 hours. The resistivity of the sample decreased from 27.6 ohm-cm. to 0.14 ohm-cm. during the exposure.

II. A sample of high resistance P-type germanium was exposed to a slow neutron flux of 0.7×10^{12} neutrons/cm.^{2}/sec. and a flat neutron flux of 0.2×10^{12} neutrons/cm.^{2}/sec. for a period of 56,000 seconds. The resistance of the sample continuously decreased from 97 ohms to 25.5 ohms during the exposure.

III. A sample of high resistance N-type germanium was exposed to a slow neutron flux of 0.5×10^{12} neutrons/cm.^{2}/sec. and a fast neutron flux of 1.5×10^{12} neutrons/cm.^{2}/sec. for a period of 40,000 seconds. During the exposure, the resistance of the sample continuously increased from 60 ohms to 1430 ohms at 15,000 seconds and thereafter continuously decreased to 260 ohms. Hall coefficient measurements made before and after exposure showed that the sample had been converted to P-type germanium.

IV. A sample of low resistance P-type silicon was exposed to a slow neutron flux of 0.7×10^{12} neutrons/cm.^{2}/sec. and a fast neutron flux of 0.2×10^{12} neutrons/cm.^{2}/sec. for a period of 158,000 seconds. The resistance of the sample continuously increased from 29.8 ohms to 168,000 ohms.

V. A sample of low resistance N-type silicon was exposed to a slow neutron flux of 0.5×10^{12} neutrons/cm.^{2}/sec. and a fast neutron flux of 1.5×10^{12} neutrons/cm.^{2}/sec. for a period of 400,000 seconds. The resistance of the sample continuously increased from 23.4 ohms to 114.5 ohms during the exposure.

VI. A sample of substantially pure selenium was exposed to a slow neutron flux of 0.5×10^{12} neutrons/cm.^{2}/sec. and a fast neutron flux of 1.5×10^{12} neutrons/cm.^{2}/sec. for a period of 54 days. The resistance of the sample continuously increased from 17,000 ohms to 270,000 ohms during the exposure.

VII. A sample of cuprous oxide was exposed to a slow neutron flux of 0.7×10^{12} neutrons/cm.^{2}/sec. and a fast neutron flux of 0.2×10^{12} neutrons/cm.^{2}/sec. for a period of 270,000 seconds. The resistance of the sample continuously increased from 33,000 ohms to 780,000 ohms during the exposure.

122,130. 1,2,3,4 - TETRACHLORO - 1,3 - BUTADIENE BY DEHYDROCHLORINATION OF 1,2,2,3,3,4-HEXACHLOROBUTANE. Park A. Wiseman, Muncie, Ind., assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio. Filed Oct. 18, 1949. Published June 10, 1952. Class 260—655. No drawing. 6 pages of specification.

This disclosure relates to the reaction:

$$CH_2Cl—CCl_2—CCl_2—CH_2Cl \xrightarrow{\text{dehydrochlorinating agent}} CHCl=CCl—CCl=CHCl$$

Preferred dehydrochlorinating agents are the caustic alkalies such as sodium or potassium hydroxides, which may either be used as such or may be suspended or dissolved in media such as water, ethanol or mixtures thereof; various other alcohols such as methanol, ethanol, propanol or glycerol; glycols such as glycol, diethylene glycol, propylene glycol, monoalkyl ethers of glycols such as ethylene glycol monomethyl ether, ethylene glycol monoethyl ether, diethylene glycol monomethyl ether, diethylene glycol monoethyl ether. Likewise suspensions of alkaline earth metal hydroxides may be used such as calcium hydroxide, barium hydroxide or strontium hydroxide.

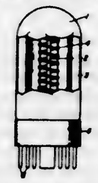
The 1,2,2,3,3,4-hexachlorobutane starting material may be obtained by chlorination of 2,3-dichloro-1,3-butadiene.

A specific example is as follows:

1,2,2,3,3,5 - hexachlorobutane (265 grams, 1.0 mole) and 400 cc. of methanol were placed in a 3-neck flask fitted with a dropping funnel, a reflux condenser, and a glass stirrer. Over a period of three hours a filtered solution of 150 grams of potassium hydroxide pellets (85% KOH) in 500 cc. of methanol was added. An exothermic reaction causing heating just short of reflux took place. After addition of all of the alkali, heat was applied and the mixture was refluxed for 4.5 hours. The potassium chloride which formed was filtered off with suction, and 14 g. of crystals (needles melting at 49–50° C.) formed in the filtrate. These are the solid isomer of 1,2,3,4-tetrachloro-1,3-butadiene described by Müller and Hüther, Berichte 64B, 589–600 (1931). On concentration of the mother liquor to two-thirds its original volume and cooling in the ice chest a further yield of 61 g. of crystals was obtained. When the methanol was stripped an additional 22 g. of the solid isomer (contaminated with a little potassium chloride) were obtained. A total yield of 48.6 per cent of the solid isomer of 1,2,3,4-tetrachloro-1,3-butadiene was thus obtained. Distillation of the remaining liquid in a column 65 cm. by 15 mm. diameter, packed with glass helices, at a high reflux ratio (estimated 20–30:1) yielded 23.7 g. of a mixture of the other two geometric stereoisomers of 1,2,3,4-tetrachloro-1,3-butadiene as a pale yellow liquid distilling without plateaus in the range 61–7° C. at 10 mm. The distillation temperature then rose to give a small amount more of the solid isomer.

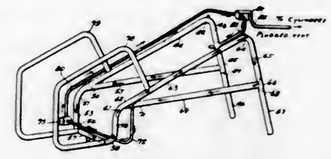
The solid and liquid isomers of 1,2,3,4-tetrachloro-1,3-butadiene polymerize with difficulty when refluxed, heated in an oven or treated with a sunlamp. Mass copolymerization with 2,3-dichloro-1,3-butadiene has been accomplished by heating in the presence of benzoyl peroxide. Emulsion copolymerization also was carried out with 2,3-dichloro-1,3-butadiene.

139,802. NONEMISSIVE ELECTRODE. Ernest A. Taft and Le Roy Apker, Schenectady, N. Y., assignor to General Electrical Company, a corporation of New York. Filed Jan. 21, 1950. Published June 10, 1952. Class 316—4. 1 sheet of drawings. 5 pages of specification.



This application discloses a non-emissive electrode having a "photoelectric threshold" of 6 volts or greater and which is particularly adaptable as a grid electrode in electron discharge devices. The electrode is produced by depositing upon a strip of tungsten a thin layer of boron such that none of the tungsten surface to be utilized is exposed. The boron may be deposited upon the tungsten by decomposing diborane at the surface of the tungsten while the tungsten is maintained at a temperature greater than 800° Kelvin and the pressure is approximately 200 microns. The boron thus deposited has a "photoelectric threshold" of greater than 6 volts, but this is maintained only if subsequent exposure to air is prevented. Accordingly, utilization of a non-emissive electrode so produced as a grid electrode **4** in an electron discharge device **1**, as illustrated in Fig. 2, must be accomplished without exposing the electrode to air. Many conventional procedures are available for achieving such a purpose. Other materials, such as iron and tantalum, which do not react with boron at the high temperatures required to deposit the boron, may be employed instead of tungsten as the base for the non-emissive electrode. Electron discharge devices employing a non-emissive electrode constructed as above described may be operated at temperatures as high as 1100° Kelvin without destroying the non-emissive characteristic of the electrode.

186,384. LOADER ATTACHMENT FOR TRACTORS. Alfred Ford, Chicago, Ill., and Curt H. Garmager, Royal Oak, Mich., assignors, by direct and mesne assignments, to Dearborn Motors Corporation, Detroit, Mich., a corporation of Delaware. Filed Sept. 23, 1950. Published June 10, 1952. Class 214—140. 2 sheets of drawings. 11 pages of specification.

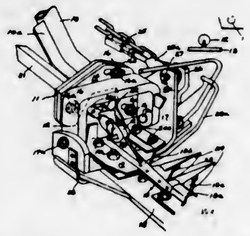


This disclosure relates to a loader attachment for tractors, the attachment including a frame fixed to the tractor and supporting bucket lift arms for vertical movement. The lift arms are adapted to be actuated by hydraulic pressure

generated by a tractor-driven pump and effective to operate hydraulic cylinders pivotally joining the frame to the lift arms.

During the generation of pressure, the pressured fluid becomes heated and may decompose upon continued high pressure operation of the loader attachment. The frame is of tubular construction and portions of the tube provide a reservoir for the hydraulic actuating fluid and interconnecting conduits for accommodating travel of the fluid to and from the pump. Thus, in the present disclosure, the tubular frame is utilized to define a long tortuous path through which the hydraulic fluid must flow to and from the pump, so that the exposed exterior surfaces of the frame serve as heat exchange surfaces and the heat of the fluid is dissipated to the atmosphere therethrough.

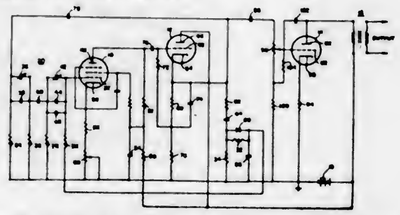
219,653. **YOKE SECURING MEANS FOR MOWERS.** Vernon O. Hauswirth, Royal Oak, Mich., assignor to Dearborn Motors Corporation, Birmingham, Mich., a corporation of Delaware. Filed Apr. 6, 1951. Published June 10, 1952. Class 56—282. 1 sheet of drawings. 7 pages of specification.



This disclosure relates to an improved yoke mounting for the cutter bar of a reciprocating mowing machine.

As illustrated in Figure 1 of the application, the yoke **15** of a cutter bar, which mounts a conventional reciprocating knife **13** having a pitman ball **12**, is connected to the frame of the mower through bolts **16** and cooperating mounting plates **11** and **14**. At least one arcuate slot is provided in each mounting plate **11** and **14** to permit the mounting plate **14** to be angularly adjusted relative to the mounting plate **11** about an axis coinciding with the path of movement of the center of the pitman ball **12**. In this manner, the reciprocating knife may be tilted for certain crop conditions without disturbing in any manner the alignment of the pitman ball **12** with respect to the pitman **21**. Additionally, the register of the teeth of the reciprocating knife **13** with respect to the stationary knife guards **24** may be adjusted by the insertion of suitable shims between the mounting plates **11** and **14**.

220,302. **STABILIZED PHASE SHIFT OSCILLATOR.** Wilfred H. Wickersham, Nutley, N. J. Filed Apr. 10, 1951. Published June 10, 1952. Class 250—36–13.2. 1 sheet of drawings. 8 pages of specification.



The circuit shown is a phase shift oscillator of a type providing a high degree of frequency stability and low harmonic content.

Referring to the drawing there is shown an oscillation generator which includes an amplifier tube **10**, a cathode follower **12** and a buffer amplifier **14**. Feedback is applied from the output of cathode follower tube **12** through condenser **78** and phase shift network **20** to the grid **22** of tube **10**. At the frequency where the phase shift in network **20** is 180° the circuit will oscillate to deliver a sine wave output.

The output circuit of the cathode follower presents a low impedance in comparison with the impedance of the network. Frequency changes due to changes in tube constants are thereby minimized.

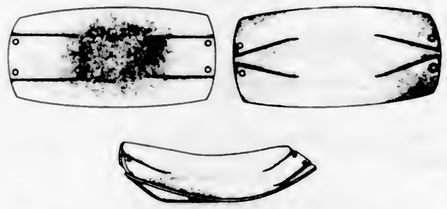
Automatic amplitude level control is obtained by use of the circuit including rectifier **80** which develops a negative bias for the grid **22** of oscillator **10**.

Resistance **60** provides a variable amount of negative feedback which should be adjusted to provide class A operation without too great a variation in output level due to ambient temperature change.

DESIGNS

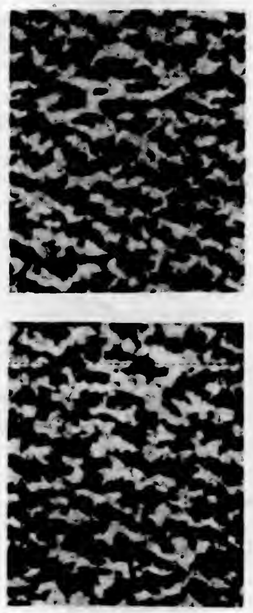
JUNE 10, 1952

166,940
PLYWOOD BOWL OR SIMILAR ARTICLE
Harold Ambellan, New York, N. Y.
Application March 20, 1952, Serial No. 18,984
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a plywood bowl or similar article, substantially as shown and described.

166,941
TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Lou Appleton, New York, N. Y.
Application November 19, 1949, Serial No. 6,145
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article of manufacture, as shown and described.

166,942
PUPPET
Walter B. Bartner and Howard C. Bartner, Toms River, N. J.
Application March 10, 1950, Serial No. 8,474
Term of patent 3½ years
(Cl. D34—4)



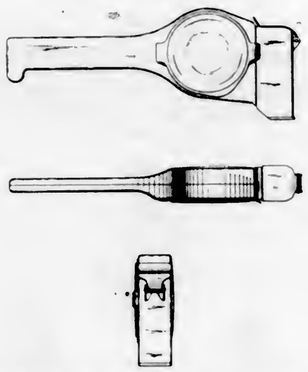
The ornamental design for a puppet, substantially as shown.

166,943
STOCKING
John A. Beck, Perkasie, Pa.
Application August 15, 1951, Serial No. 16,294
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

166,944
STAPLING HAMMER OR THE LIKE
William R. Beckman, Chicago, and Charles E. Crooks, Evanston, Ill., assignors to Spotnails, Inc., Evanston, Ill., a corporation of Illinois
Application September 6, 1951, Serial No. 16,546
Term of patent 14 years
(Cl. D93—4)

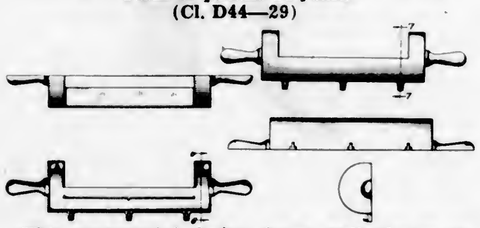


The ornamental design for a stapling hammer or the like, substantially as shown and described.

166,945
BOOT
George H. Bingham, Jr., Taneytown, Md.
Application April 2, 1952, Serial No. 19,173
Term of patent 7 years
(Cl. D7—4)

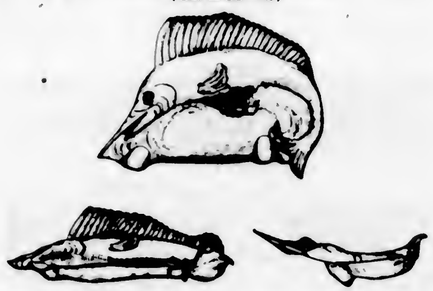
The ornamental design for a boot, as shown.

166,946
WALL PLAQUE OR SIMILAR ARTICLE
John M. Black, Chicago, Ill., assignor to Superior Plastics Inc., Chicago, Ill., a corporation of Illinois
Application February 2, 1952, Serial No. 18,348
Term of patent 14 years
(Cl. D44—29)



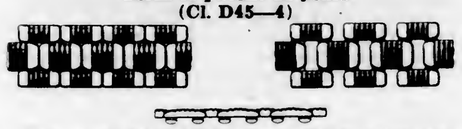
The ornamental design for a wall plaque or similar article, substantially as shown.

166,947
ASH TRAY
Boris Blecher, Philadelphia, Pa.
Application March 13, 1952, Serial No. 18,877
Term of patent 14 years
(Cl. D85—2)



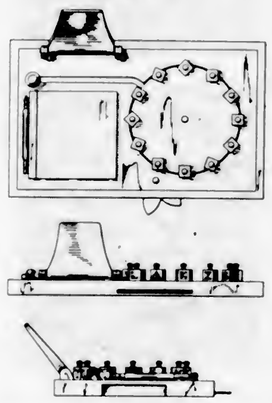
The ornamental design for an ash tray, as shown.

166,948
EXPANSIBLE CHAIN FOR A BRACELET OR THE LIKE
William C. Boots, Rumford, R. I., assignor to Foster Metal Products Incorporated, Attleboro, Mass., a corporation of Massachusetts
Application December 6, 1951, Serial No. 17,635
Term of patent 14 years
(Cl. D45—4)



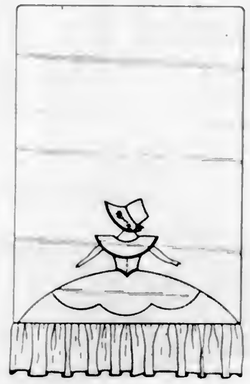
The ornamental design for an expansible chain for a bracelet or the like, substantially as shown.

166,949
GAME APPARATUS FOR THE SPELLING OF WORDS
William S. Brodes, New Haven, Conn.
Application May 17, 1950, Serial No. 9,995
Term of patent 14 years
(Cl. D34—5)



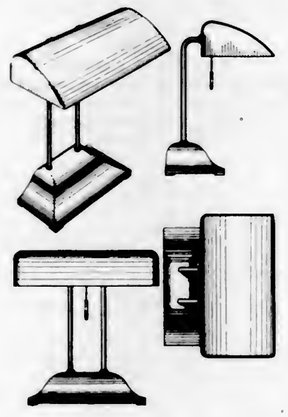
The ornamental design for a game apparatus for the spelling of words, substantially as shown.

166,950
PILLOWCASE
Ruth Bryant, Alton, Ill.
Application June 5, 1951, Serial No. 15,427
Term of patent 14 years
(Cl. D92—2)



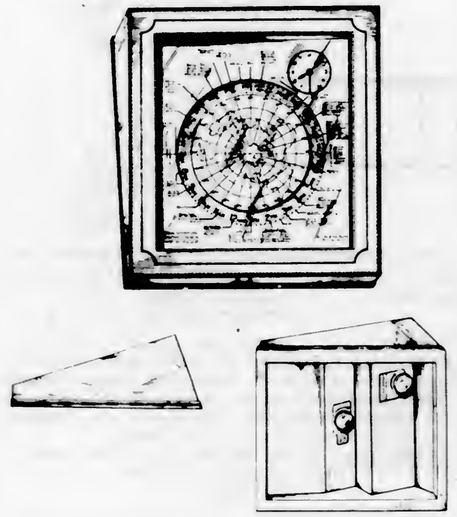
The ornamental design for a pillowcase, as shown and described.

166,951
LAMP
Lee Christy, Kansas City, Mo.
Application February 3, 1950, Serial No. 7,700
Term of patent 3½ years
(Cl. D48—20)



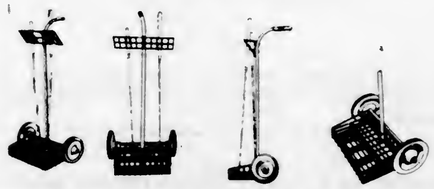
The ornamental design for a lamp, as shown and described.

166,952
WORLD CLOCK
Warren H. Clarke, New York, N. Y., assignor to Kalex Corporation, New York, N. Y., a corporation of New York
Application September 28, 1951, Serial No. 16,771
Term of patent 14 years
(Cl. D42—7)



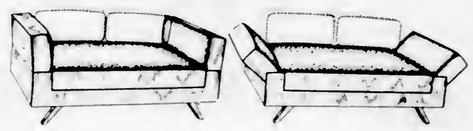
The ornamental design for a world clock, as shown.

166,953
GOLF CLUB CART
William B. Clarke, Sewickley, Pa.
Application January 18, 1952, Serial No. 18,112
Term of patent 7 years
(Cl. D14—3)

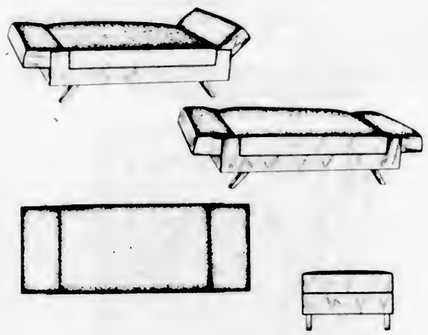


The ornamental design for a golf club cart, substantially as shown and described.

166,954
COMBINATION LOVE SEAT, LOUNGE, AND BED
Robert N. Eisendrath, Chicago, Ill.
Application February 23, 1952, Serial No. 18,646
Term of patent 14 years
(Cl. D15—11)



166,954—Continued



The ornamental design for a combination love seat, lounge, and bed, substantially as shown and described.

166,955
SPECTACLE FRAME OR SIMILAR ARTICLE
Vito Errico, New Hyde Park, and Harry Berman and Dominick Lofrese, Bronx, N. Y., assignors to Victory Optical Manufacturing Co., Newark, N. J., a corporation of New Jersey
Application March 25, 1952, Serial No. 19,046
Term of patent 14 years
(Cl. D57—1)



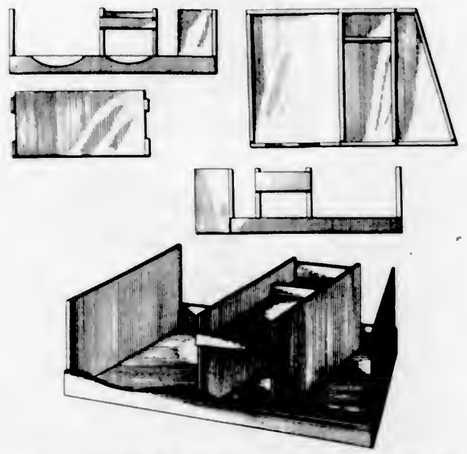
The ornamental design for a spectacle frame or similar article, substantially as shown and described.

166,956
ORNAMENT FOR SPECTACLE FRAME PARTS
Vito Errico, New Hyde Park, and Harry Berman and Dominick Lofrese, Bronx, N. Y., assignors to Victory Optical Manufacturing Co., Newark, N. J., a corporation of New Jersey
Application March 25, 1952, Serial No. 19,047
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an ornament for spectacle frame parts, substantially as shown and described.

166,957
PARTITIONING DEVICE FOR AUTOMOBILE GLOVE COMPARTMENT
Philip Ershler, Washington, D. C.
Application March 23, 1951, Serial No. 14,602
Term of patent 14 years
(Cl. D14—6)



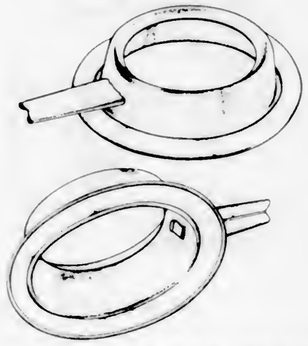
The ornamental design for a partitioning device for automobile glove compartment, as shown.

166,958
CIGARETTE HOLDER
Irving Florman, New York, N. Y.
Application February 6, 1952, Serial No. 18,418
Term of patent 14 years
(Cl. D85—8)



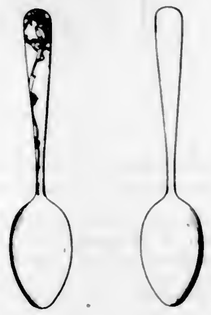
The ornamental design for a cigarette holder, substantially as shown and described.

166,959
FRY PAN COVER
Henry G. Fornoff, Los Angeles, Calif.
Application July 23, 1951, Serial No. 15,993
Term of patent 14 years
(Cl. D44—15)



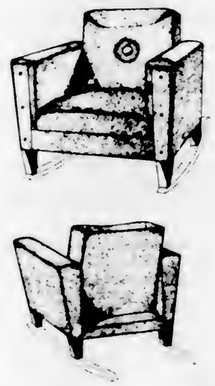
The ornamental design for a fry pan cover, substantially as shown.

166,960
SPOON OR SIMILAR ARTICLE
Amedie J. Germain, Yalesville, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application March 6, 1952, Serial No. 18,799
Term of patent 14 years
(Cl. D54—12)



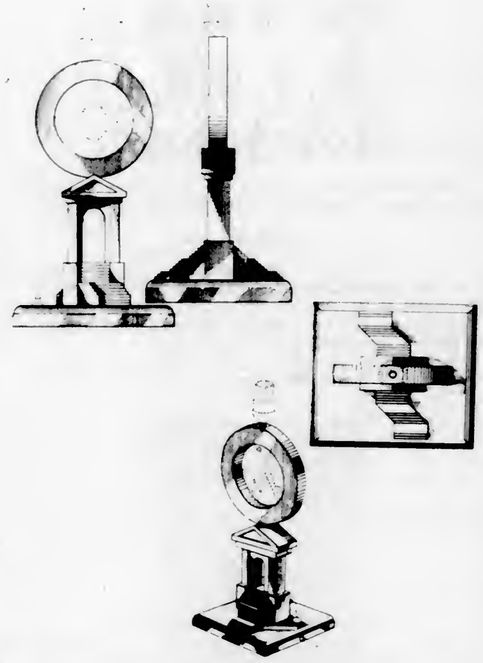
The ornamental design for a spoon or similar article, substantially as shown.

166,961
CHILD'S ROCKER OR SIMILAR ARTICLE
John Giglio, New York, N. Y., assignor to A. A. A. Furniture Co. Inc., Brooklyn, N. Y., a corporation of New York
Application March 31, 1950, Serial No. 8,889
Term of patent 7 years
(Cl. D15—6)



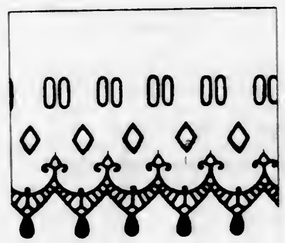
The ornamental design for a child's rocker or similar article, substantially as shown and described.

166,962
TABLE LAMP BASE
Sidney G. Goforth, Sr., Memphis, and Sidney G. Goforth, Jr., Millington, Tenn.
Application March 18, 1952, Serial No. 18,944
Term of patent 14 years
(Cl. D48—20)



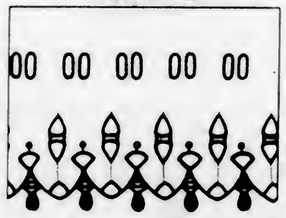
The ornamental design for a table lamp base, as shown and described.

166,963
NARROW EMBROIDERED EYELET TRIMMING
Walter Hallbauer, Union City, N. J.
Application December 14, 1951, Serial No. 17,732
Term of patent 14 years
(Cl. D92—1)



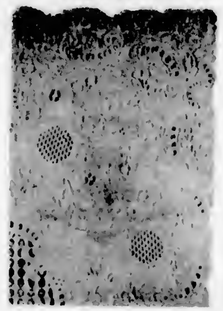
The ornamental design for a narrow embroidered eyelet trimming, substantially as shown.

166,964
NARROW EMBROIDERED EYELET TRIMMING
Walter Hallbauer, Union City, N. J.
Application December 14, 1951, Serial No. 17,733
Term of patent 14 years
(Cl. D92—1)



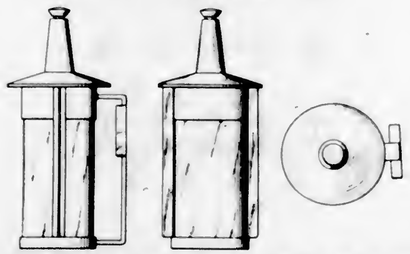
The ornamental design for a narrow embroidered eyelet trimming, substantially as shown.

166,965
PLACE MAT OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 21, 1952, Serial No. 18,995
Term of patent 14 years
(Cl. D59—2)



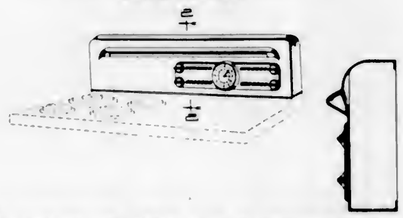
The ornamental design for a place mat or similar article, substantially as shown and described.

166,966
SIDE MOUNTED LANTERN
Eduard R. Huegel, Brooklyn, N. Y., assignor to Rambusch Decorating Company, New York, N. Y., a corporation of New York
Application April 1, 1952, Serial No. 19,146
Term of patent 14 years
(Cl. D48—4)



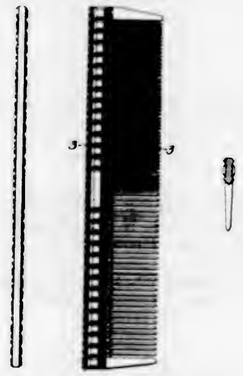
The ornamental design for a side mounted lantern, as shown.

166,967
COMBINED BACKSPLASHER AND TOP FOR ELECTRIC RANGES
Richard Bolton Janes, Baldwin Lake, Mich., assignor to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application August 19, 1950, Serial No. 11,842
Term of patent 14 years
(Cl. D61—25)



The ornamental design for a combined backsplasher and top for electric ranges, as shown and described.

166,968
COMB OR SIMILAR ARTICLE
Lester Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application January 25, 1951, Serial No. 13,954
Term of patent 7 years
(Cl. D86—8)



The ornamental design for a comb or a similar article, substantially as shown.

166,969
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 6, 1952, Serial No. 18,409
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,970
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 6, 1952, Serial No. 18,410
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,971
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 6, 1952, Serial No. 18,411
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,972
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 6, 1952, Serial No. 18,412
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,973
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 6, 1952, Serial No. 18,413
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,974
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 6, 1952, Serial No. 18,414
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

166,975
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 6, 1952, Serial No. 18,415
Term of patent 7 years
(Cl. D45—19)



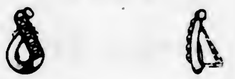
The ornamental design for a brooch or the like, substantially as shown.

166,976
BRACELET OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 12, 1952, Serial No. 18,487
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or the like, substantially as shown.

166,977
EARRING OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 12, 1952, Serial No. 18,488
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

166,978
BRACELET OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 12, 1952, Serial No. 18,489
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or the like, substantially as shown.

166,979
EARRING OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 12, 1952, Serial No. 18,490
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

166,980
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 12, 1952, Serial No. 18,491
Term of patent 7 years
(Cl. D45—19)



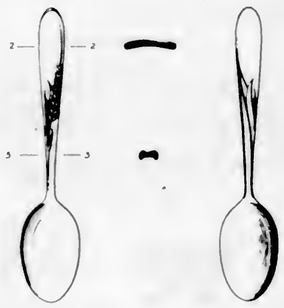
The ornamental design for a brooch or the like, substantially as shown.

166,981
MOTION-PICTURE PROJECTOR
Frederick G. Knowles, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 21, 1952, Serial No. 18,627
Term of patent 7 years
(Cl. D61—1)



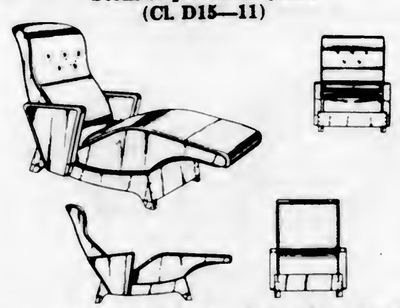
The ornamental design for a motion-picture projector, as shown and described.

166,982
SPOON OR SIMILAR ARTICLE
William Lafferty, Providence, R. I., assignor to Reed and Barton, Taunton, Mass., a corporation of Massachusetts
Application March 21, 1952, Serial No. 19,000
Term of patent 14 years
(Cl. D54—12)



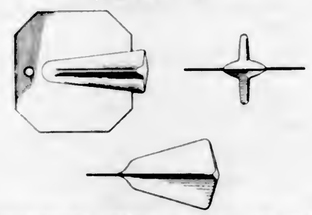
The ornamental design for a spoon or similar article, as shown.

166,983
LOUNGE CHAIR
Joseph F. Laskowitz, St. Louis, Mo.
Application August 15, 1951, Serial No. 16,287
Term of patent 14 years
(Cl. D15—11)



The ornamental design for a lounge chair, substantially as shown and described.

166,984
FISHING LINE SINKER
Ralph E. Lawrence, Sacramento, Calif.
Application April 2, 1951, Serial No. 14,695
Term of patent 7 years
(Cl. D31—4)



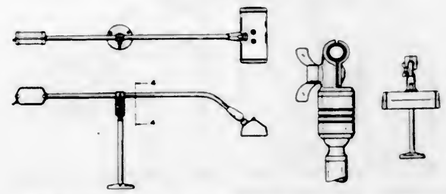
The ornamental design for a fishing line sinker, substantially as shown.

166,985
STOCKING
Hugo G. Linder, Philadelphia, Pa.
Application December 6, 1951, Serial No. 17,632
Term of patent 14 years
(Cl. D47—7)



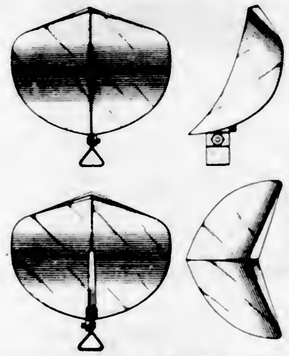
The ornamental design for a stocking, as shown.

166,986
LAMP FOR SEWING MACHINES
Alphonse Lordo, St. Louis, Mo., assignor to Dazor Manufacturing Corp., St. Louis, Mo., a corporation of Delaware
Application January 28, 1952, Serial No. 18,265
Term of patent 14 years
(Cl. D48—20)



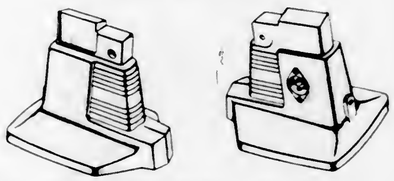
The ornamental design for a lamp for sewing machines, substantially as shown.

166,987
WIND DEFLECTOR
Henry L. Miller, Chicago, Ill., assignor to Sinko Mfg. & Tool Co., a corporation of Illinois
Application February 13, 1952, Serial No. 18,506
Term of patent 7 years
(Cl. D14—6)



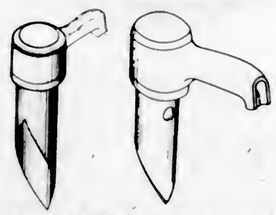
The ornamental design for a wind deflector, as shown.

166,988
STANDARD FOR MOTION-PICTURE PROJECTORS OR THE LIKE
Peter Muller-Munk, Pittsburgh, Pa., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application May 19, 1951, Serial No. 15,254
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a standard for motion picture projectors or the like, as shown.

166,989
LIQUID DISPENSER
Robert C. Old, Spokane, Wash.
Application March 17, 1951, Serial No. 14,533
Term of patent 14 years
(Cl. D58—26)



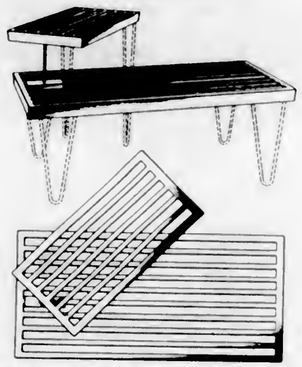
The ornamental design for a liquid dispenser, as shown and described.

166,990
DECK CHAIR
Ralph A. O'Neill, Englewood, N. J.
Application August 12, 1950, Serial No. 11,740
Term of patent 14 years
(Cl. D15—1)



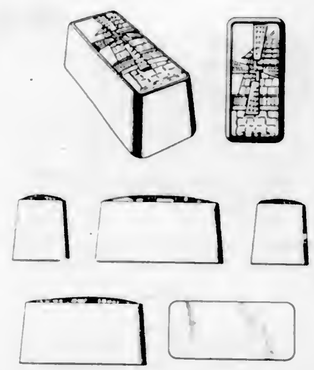
The ornamental design for a deck chair, as shown.

166,991
TABLE UNIT
Raymond H. Ovendale, Alhambra, Calif.
Application July 2, 1951, Serial No. 15,734
Term of patent 7 years
(Cl. D33—14)



The ornamental design for a table unit, substantially as shown and described.

166,992
MOLDED FOOD PRODUCT
Leo Peters, Evanston, Ill.
Application October 20, 1951, Serial No. 17,041
Term of patent 14 years
(Cl. D82—2)



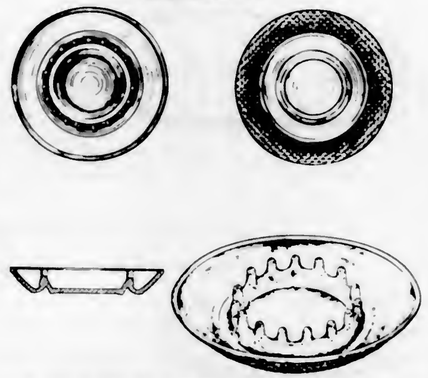
The ornamental design for a molded food product, as shown.

166,993
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 21, 1952, Serial No. 18,620
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown.

166,994
GLASS ASH TRAY
Louis Poglein, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a corporation of Pennsylvania
Application October 2, 1951, Serial No. 16,807
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a glass ash tray, substantially as shown.

166,995
BOTTLE OR SIMILAR ARTICLE
Edward Rachins, Brookline, Mass.
Application February 14, 1950, Serial No. 7,926
Term of patent 14 years
(Cl. D58—9)



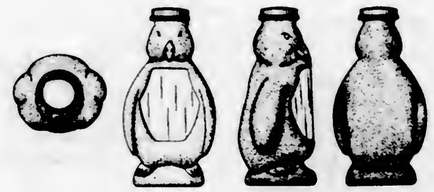
The ornamental design for a bottle or similar article, substantially as shown and described.

166,996
BOTTLE
Edward Rachins, Brookline, Mass.
Application March 17, 1952, Serial No. 18,935
Term of patent 14 years
(Cl. D58—9)



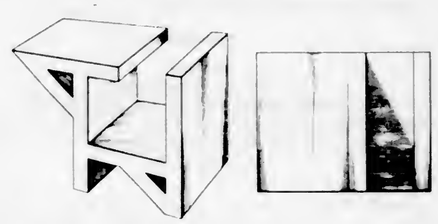
The ornamental design for a bottle, as shown.

166,997
BOTTLE
Edward Rachins, Brookline, Mass.
Application March 17, 1952, Serial No. 18,936
Term of patent 14 years
(Cl. D58—9)



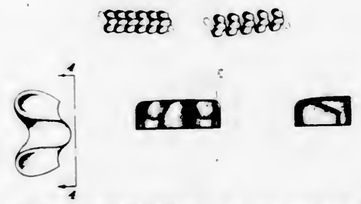
The ornamental design for a bottle, as shown.

166,998
TELEVISION STAND OR SIMILAR ARTICLE
Randall Rasmussen, Orem, Utah, assignor of one-sixth to Willard J. Hirst and one-sixth to Neils L. Rasmussen, both of Orem, one-sixth to Louis M. Wolsey and one-sixth to Sheldon F. Hirst, both of Provo, and one-sixth to Rex J. Wolsey, Springville, Utah
Application January 10, 1952, Serial No. 17,985
Term of patent 3½ years
(Cl. D33—1)



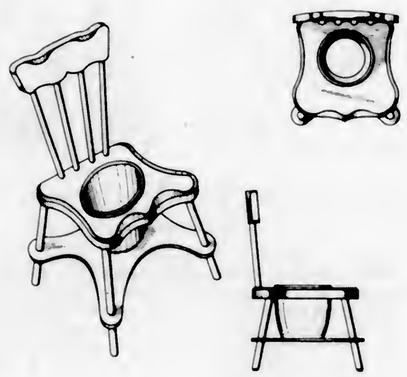
The ornamental design for a television stand or similar article, as shown.

166,999
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application October 12, 1951, Serial No. 16,920
Term of patent 7 years
(Cl. D45—4)



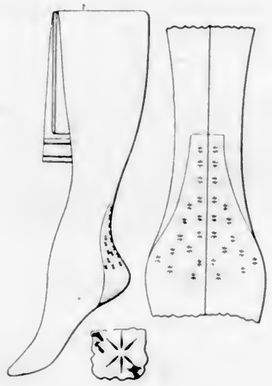
The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

167,000
RECEPTACLE FOR ASHES, EGGS, PINS AND THE LIKE
Floyd Everett Rogers, New Westminster, British Columbia, Canada
Application January 8, 1951, Serial No. 13,711
Term of patent 3½ years
(Cl. D85—2)



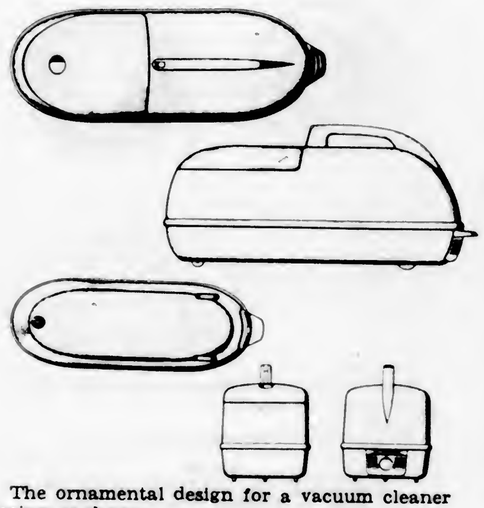
The ornamental design for a receptacle for ashes, eggs, pins, and the like, as shown.

167,001
LADY'S STOCKING
Fillmore K. Rosen, West Hempstead, N. Y.
Application December 31, 1951, Serial No. 17,875
Term of patent 14 years
(Cl. D47—7)



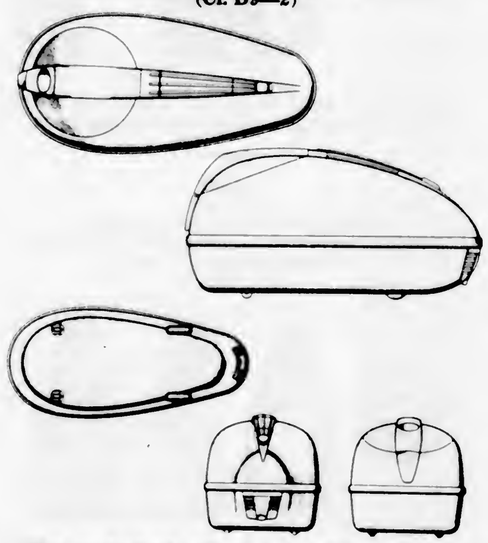
The ornamental design for a lady's stocking, substantially as shown.

167,002
VACUUM CLEANER CASING
Edward P. Russell, El Segundo, Calif., assignor to Interstate Engineering Corporation, El Segundo, Calif., a corporation of California
Application February 8, 1952, Serial No. 18,437
Term of patent 14 years
(Cl. 9—2)



The ornamental design for a vacuum cleaner casing, as shown.

167,003
VACUUM CLEANER CASING
Edward P. Russell, El Segundo, Calif., assignor to Interstate Engineering Corporation, El Segundo, Calif., a corporation of California
Application February 8, 1952, Serial No. 18,438
Term of patent 14 years
(Cl. D9—2)



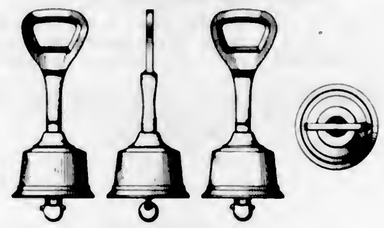
The ornamental design for a vacuum cleaner casing, as shown.

167,004
STOCKING
Stanton D. Sanson, Elkins Park, Pa., assignor to Sanson Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Delaware
Application December 8, 1951, Serial No. 17,672
Term of patent 14 years
(Cl. D47—7)



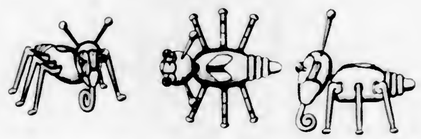
The ornamental design for a stocking, as shown.

167,005
COMBINED BELL AND BOTTLE CAP REMOVER
Sajjan Singh Sarna, New York, N. Y.
Application January 25, 1952, Serial No. 18,216
Term of patent 3½ years
(Cl. D44—29)



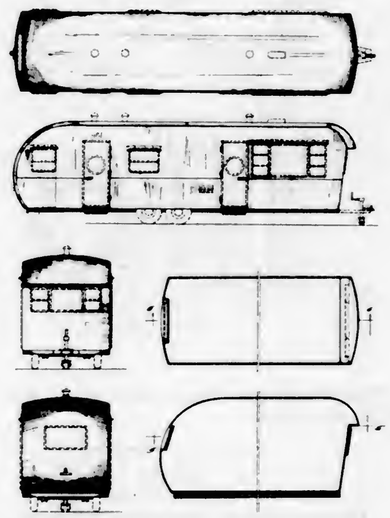
The ornamental design for a combined bell and bottle cap remover, as shown.

167,006
SEPARABLE TOY FIGURE FOR A CONSTRUCTION GAME OR THE LIKE
William H. Schaper, Robbinsdale, Minn.
Application March 20, 1950, Serial No. 8,648
Term of patent 14 years
(Cl. D34—2)



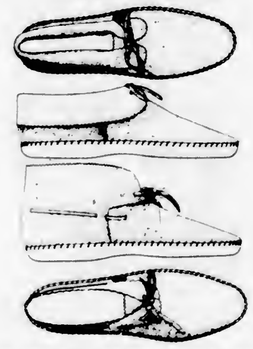
The ornamental design for a separable toy figure for a construction game or the like, substantially as shown.

167,007
TRAILER COACH
Harlan L. Spencer, deceased, late of Syracuse, Ind., by Effie P. Spencer, Syracuse, Ind., and The National Bank and Trust Company of South Bend, South Bend, Ind., administrators, and Clement T. Beeson, Bremen, Ind., assignors to Liberty Coach Company, Inc., Bremen, Ind., a corporation of Indiana
Application December 5, 1950, Serial No. 13,268
Term of patent 7 years
(Cl. D14—3)



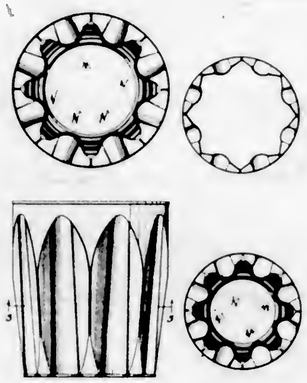
The ornamental design for a trailer coach, substantially as shown and described.

167,008
MOCCASIN
Virginia G. Spilman, Albuquerque, N. Mex.
Application March 27, 1952, Serial No. 19,068
Term of patent 14 years
(Cl. D7—7)



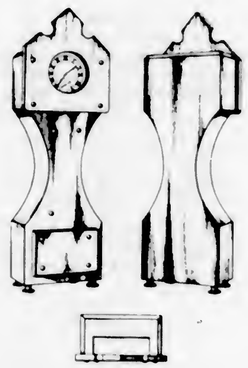
The ornamental design for a moccasin, as shown.

167,009
PLANT ROOT RECEPTACLE
Angelo Tersini, San Jose, Calif.
Application January 17, 1950, Serial No. 7,301
Term of patent 14 years
(Cl. D35—3)



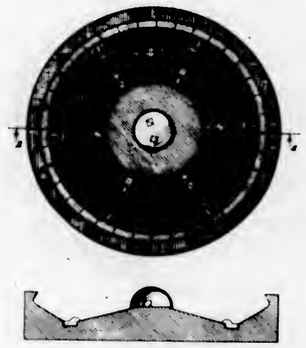
The ornamental design for a plant root receptacle, as shown.

167,010
CLOCKCASE
Rebecca Louise Thompson, Arlington, Vt.
Application March 21, 1952, Serial No. 18,989
Term of patent 3½ years
(Cl. D42—7)



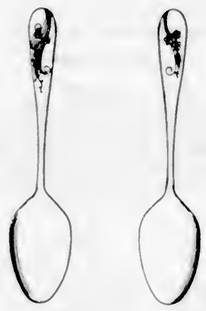
The ornamental design for a clock case, as shown, and described.

167,011
GAME BOARD OR THE LIKE
John A. Waer, Las Vegas, Nev.
Application December 17, 1951, Serial No. 17,766
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game board or the like, substantially as shown and described.

167,012
SPOON OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application March 6, 1952, Serial No. 18,790
Term of patent 14 years
(Cl. D54—12)



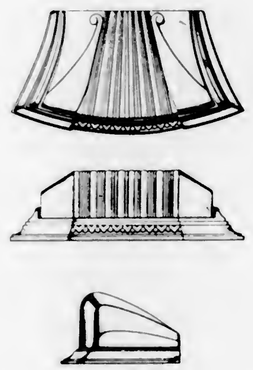
The ornamental design for a spoon or similar article, substantially as shown.

167,013
SPOON OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application March 6, 1952, Serial No. 18,791
Term of patent 14 years
(Cl. D54—12)



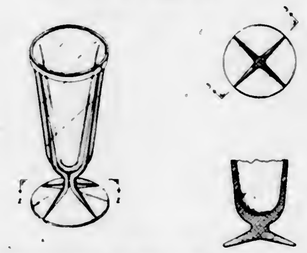
The ornamental design for a spoon or similar article, substantially as shown.

167,014
WATCH BOX
Milton Weill, New York, N. Y., assignor to Arrow Manufacturing Company, Incorporated, West New York, N. J., a corporation of New Jersey
Application May 3, 1951, Serial No. 15,046
Term of patent 7 years
(Cl. D80—5)



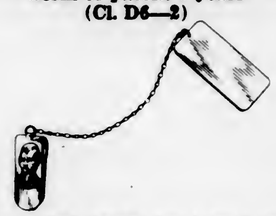
The ornamental design for a watch box, as shown.

167,015
GLASS GOBLET
William A. Wood, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a corporation of Pennsylvania
Application September 12, 1950, Serial No. 12,167
Term of patent 14 years
(Cl. D36—8)



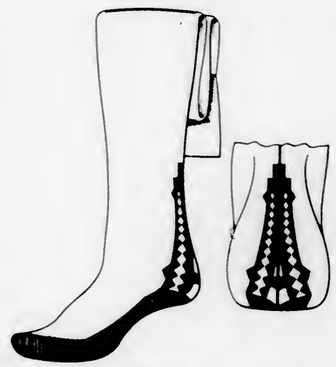
The ornamental design for a glass goblet, substantially as shown.

167,016
BOOKMARK
Samuel G. Zaccone, Chicago, Ill.
Application March 15, 1951, Serial No. 14,498
Term of patent 7 years
(Cl. D6—2)



The ornamental design for a book mark, substantially as shown and described.

167,017
STOCKING
Leon W. Zylberberg, Norristown, Pa.
Application September 27, 1951, Serial No. 16,764
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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Plant Patents	2	No. 1,105	to No.	1,106, inclusive
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Patents expiring: Patent Numbers 2,004,919 to 2,005,717, inclusive, issued June 18, 1935, expire June 18, 1952

June 17, 1952 Volume 659 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A & H Doll Manufacturing Corp., Woodside, N. Y. Dolls. Serial No. 617,102, June 17. Class 22.

Advertising Distributors of America, Inc., New York, N. Y. Advertising services. Serial No. 619,182, June 17. Class 101.

Airplant Corp., New York, N. Y. Combined air-odor neutralizing wick and container. Serial No. 620,452, June 17. Class 6.

Albro Packing Company, The, Springboro, Pa. Pickles and pickle relishes, canned peppers, etc. Serial No. 619,909, June 17. Class 46.

Aldens, Inc., Chicago, Ill. Shotguns, rifles, cartridges, and shotgun shells. Serial No. 608,485, June 17. Class 9.

Allen, Mark, Co., Detroit, Mich. Detergent preparation. Serial No. 586,263, June 17. Class 52.

Almark Handkerchief Co., Inc., assignor to Kleenchief Co. Inc., New York, N. Y. Handkerchiefs. Serial No. 618,331, June 17. Class 39.

Alpha Kappa Kappa Fraternity, Columbus, Ohio. Advancement of medical science and the promotion of good fellowship among the members of its chapters. Serial No. 590,570, June 17. Class 100.

American Airlines, Inc., New York, N. Y. Air transportation of passengers. Serial No. 601,184, June 17. Class 105.

American Brake Shoe Company, New York, N. Y. Blast furnace parts. Serial No. 617,477, June 17. Class 34.

American Cyanamid Company, New York, N. Y. Vitamin-mineral preparation. Serial No. 615,101, June 17. Class 18.

American Cyanamid Company, New York, N. Y. Anticonvulsant. Serial No. 620,454, June 17. Class 18.

American Cystoscope Makers, Inc., New York, N. Y. Preparation to be taken internally for the purpose of serving as an X-ray contrast medium. Serial Nos. 611,010–11, June 17. Class 18.

American Lumber & Treating Co., Chicago, Ill. Forest products. Serial Nos. 558,987–8, June 17. Class 12.

American Monomer Corporation, Leominster, Mass. Synthetic rubber. Serial No. 619,961, June 17. Class 1.

American Window Glass Company, Pittsburgh, Pa. Sheet glass. Serial No. 614,030, June 17. Class 33.

American Window Glass Company, Pittsburgh, Pa. Laminated glass. Serial No. 614,031, June 17. Class 33.

American Window Glass Company, Pittsburgh, Pa. Sheet glass. Serial No. 614,032, June 17. Class 33.

Amherst Fuel Company, Charleston, W. Va. Coal. Serial No. 615,743, June 17. Class 1.

Andrew, Lucy B., Jamaica, N. Y. Kits for home permanents. Serial No. 614,738, June 17. Class 44.

Anglo-American Export Co. Limited, London, England. Fire-retardant paint and varnishes. Serial No. 607,838, June 17. Class 16.

Al Plastic Molders, Inc., Chicago, Ill. Plastic wall tile. Serial No. 620,652, June 17. Class 12.

Aqua-Flor: *See*—
Helfrich, Jesse B.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Lipstick, nail polish, and face, talcum and dusting powders. Serial No. 608,910, June 17. Class 51.

Arlin Pharmaceutical Laboratories: *See*—
Debeh, Ali.

Armour and Company, Chicago, Ill. Medicines and pharmaceuticals. Serial No. 603,220, June 17. Class 18.

Armour and Company, Chicago, Ill. Soaps and synthetic detergents. Serial No. 611,068, June 17. Class 52.

Armour and Company, Chicago, Ill. Vitamin B_{12}. Serial No. 618,615, June 17. Class 18.

Armstrong Paint & Varnish Works, Chicago, Ill. Glazier's putty, asphalt for roofing, flooring and driveways, liquid tar, etc. Serial No. 556,056, June 17. Class 12.

Aschenbach, Henry, doing business under the name Terps Company, Pawtucket, R. I., and Washington, D. C. Preparation for the treatment of coughs due to colds. Serial No. 627,035, June 17. Class 18.

Associated Plywood Mills, Inc., Eugene, Oreg. Lumber and plywood. Serial No. 584,381, June 17. Class 12.

Association of Federal Communications Consulting Engineers, Washington, D. C. Consulting engineering services. Serial No. 578,560, June 17. Class 100.

Atlantic Steel Company, Atlanta, Ga. Farm and poultry wire fence, hog and cattle wire fence, etc. Serial No. 596,320, June 17. Class 13.

Avon Products, Inc., New York, N. Y., assignor to Avon Products, Inc. (1950). Cologne, toilet water, perfume. Serial No. 575,618, June 17. Class 51.

Avon Products, Inc. (1950), assignee: *See*—
Avon Products, Inc.

Avoset Company, San Francisco, Calif. Protein breakfast food. Serial No. 609,117, June 17. Class 46.

Balfour, Guthrie & Co., Limited, San Francisco, Calif. Firecrackers. Serial No. 620,949, June 17. Class 9.

Baricini, Inc., New York and Long Island City, N. Y. Candy. Serial No. 622,767, June 17. Class 46.

Battrix Products, Chicago, Ill. Preparation in powder form for desulfating electric storage batteries. Serial No. 621,749, June 17. Class 6.

Baylis Brothers Company, The, Cincinnati, Ohio. Children's dresses and blouses. Serial No. 614,036, June 17. Class 39.

Beechler, Elmer, doing business as Remle, Hollywood, Calif. Musical instruments. Serial No. 551,758, June 17. Class 36.

Bengue Inc., Union City, N. J. Medicinal preparation. Serial No. 584,961, June 17. Class 18.

Bernhoft Laboratories: *See*—
Bernhoft Laboratories, Inc.

Bernhoft Laboratories, Inc., doing business under the name and style of Bernhoft Laboratories, Bremerton, Wash. Medicinal preparation. Serial No. 607,536, June 17. Class 18.

Bin-Dictator Company, The, Detroit, Mich. Aerators. Serial No. 562,307, June 17. Class 23.

Binney & Smith Company, New York, N. Y. Ink. Serial No. 620,798, June 17. Class 11.

Binney & Smith Company, New York, N. Y. Crayons. Serial No. 621,857, June 17. Class 37.

Bluebird Dairy Products Corp., New York, N. Y. Cheese. Serial No. 620,391, June 17. Class 46.

Blue Jeans Corporation, Brattleboro, Vt. Blue denim trousers. Serial No. 615,209, June 17. Class 39.

Boonton Molding Company, Boonton, N. J. Molded plastic dinner table dishes. Serial No. 578,483, June 17. Class 2.

Booth, F. E., Company, Inc., San Francisco, Calif. Canned tomato paste. Serial No. 616,845, June 17. Class 46.

Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all kinds of fabrics. Serial No. 619,071, June 17. Class 106.

Bramhall Co., Inc., Pasadena, Calif. Cosmetic. Serial No. 583,983, June 17. Class 51.

Bréard, Paul, Nancy (Meurthe and Moselle), France. Sutures. Serial No. 618,072, June 17. Class 44.

Bristol Laboratories Inc., New York and Syracuse, N. Y. Penicillin product. Serial No. 606,748, June 17. Class 18.

British Oilfield Equipment Co. Limited, Hunslet, Leeds, England. Constructional metal. Serial No. 612,149, June 17. Class 12.

Brown & Bigelow, St. Paul, Minn. Pocket, kitchen, and hunting knives. Serial No. 528,190, June 17. Class 23.

Bruce Engineering Corporation, San Francisco, Calif. Can marking machines. Serial No. 590,802, June 17. Class 23.

Bruner-Ritter Inc., New York, N. Y. Bracelets, wrist watch bracelets. Serial No. 616,657, June 17. Class 28.

Burke & James, Inc., Chicago, Ill. Camera lenses. Serial Nos. 607,978–9, June 17. Class 26.

Burrus Feed Mills: *See*—
Tex-O-Kan Flour Mills Co.

Burrus Mills, Incorporated: *See*—
Tex-O-Kan Flour Mills Co.

C. H. Boehringer Sohn, Ingelheim on the Rhein, Germany. Spasmolytic. Serial No. 612,434, June 17. Class 18.

California Chemical Compounds Inc., Los Angeles, Calif. Anti-freeze. Serial No. 578,486, June 17. Class 6.

California Saw Works, San Francisco, Calif. All types of flat ground products, namely circular and band saws, etc. Serial No. 553,812, June 17. Class 23.

Carter, Marjorie H., Phoenix, Ariz. Fringed leather item of wearing apparel. Serial No. 622,140, June 17. Class 39.

Case History, The, Detroit, Mich. Automobile service indicator apparatus. Serial No. 585,303, June 17. Class 26.

Casting Repair Service, Oklahoma City, Okla. Repairing of metal castings. Serial No. 608,917, June 17. Class 103.

Ceazan, J. N., Company, Los Angeles, Calif. Electric garbage disposal units. Serial No. 602,799, June 17. Class 21.

Century Engineering Corporation, Cedar Rapids, Iowa. Hand and power operated spray pumps, etc. Serial No. 576,113, June 17. Class 23.

Century Product Works, Inc., New York, N. Y. Clocks. Serial No. 617,863, June 17. Class 27.

Chase, Daryl, Logan, Utah. Novelty toy savings banks. Serial No. 585,217, June 17. Class 22.

Chemectron Corporation, Washington, D. C. Chemical research. Serial No. 601,022, June 17. Class 100.

Christy Company, The, Fremont, Ohio. Pocket knives, safety razor blades, and safety razors. Serial No. 612,588, June 17. Class 23.

Clarke's Clothiers, Tulsa, Okla. Men's, women's and children's sport shirts, sport jackets, slacks, etc. Serial No. 611,685, June 17. Class 39.

Clayglor Corporation, New York, N. Y. Canned and frozen fruits and vegetables. Serial No. 617,107, June 17. Class 46.

Click Chemical Corporation, Mouth Vernon, N. Y. Moth-repellent crystals and pressed blocks. Serial No. 620,311, June 17. Class 6.

Cohoes Envelope Company, Inc., Cohoes, N. Y. Paper envelopes for phonograph records. Serial No. 608,189, June 17. Class 36.

Cole Chemical Company, St. Louis, Mo. Disinfectants, deodorants and fungicides. Serial No. 577,870, June 17. Class 6.

Colorado Milling & Elevator Co., The, Denver, Colo., doing business as The Springfield Flour Mills, Springfield, Mo. Wheat flour. Serial No. 557,503, June 17. Class 46.

Cone Export and Commission Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 625,002, June 17. Class 42.

Congress Drug Corporation, Chicago, Ill. Antacid preparation. Serial No. 609,231, June 17. Class 18.

Conserves Hero Lenzbourg, Lenzbourg, Switzerland. Canned fruits and vegetables, marmalades and jams, and canned meats. Serial No. 601,199, June 17. Class 46.

Consolidated Sewing Machine and Supply Co., Inc., New York, N. Y. Fabric working machines. Serial No. 580,926, June 17. Class 23.

Continental Casualty Company, Chicago, Ill. Underwriting of accident, sickness, hospitalization, medical, and surgery insurance. Serial No. 613,975, June 17. Class 102.

Convoy, Incorporated, Canton, Ohio. Shipping boxes and tote boxes. Serial No. 601,819, June 17. Class 2.

Coral Records, Inc., New York, N. Y. Mechanically grooved phonograph records. Serial No. 614,985, June 17. Class 36.

Coty, Inc., New York, N. Y. Perfume, face powder, and face cream. Serial No. 620,401, June 17. Class 51.

Coughlan, G. N., Company, West Orange, N. J. Liquid paint brush and roller cleaner and preserver. Serial No. 621,817, June 17. Class 52.

Crawford, Wesley, Foundation doing business as Wesley Crawford and Son, Tacoma, Wash. Fresh tomatoes. Serial No. 623,271, June 17. Class 46.

Crawford, Wesley, and Son: *See*—
Crawford, Wesley, Foundation.

Cresca Company, Inc., New York, N. Y. Anchovy paste, apple sauce, artichoke bottoms, etc. Serial No. 599,555, June 17. Class 46.

Cross, Mark, Company, New York, N. Y. Reading glasses. Serial No. 612,209, June 17. Class 26.

D. & H. Mfg. Co., Modesto, Calif. Cleaner for watch and clock mechanisms. Serial No. 578,492, June 17. Class 52.

Darlington, Frank G., Pittsburgh, Pa. Drift and set indicator. Serial No. 600,821, June 17. Class 26.

Dazey Corporation, St. Louis, Mo. Can openers. Serial No. 624,934, June 17. Class 23.

Dearborn Supply Company, Chicago, Ill. Face cream. Serial No. 611,945, June 17. Class 51.

Debeh, Ali, doing business as Arlin Pharmaceutical Laboratories, North Chicago, Ill. Liniment preparation. Serial No. 620,804, June 17. Class 18.

Delaware Industrial Chemical Corporation, Beverly, N. J. Domestic dishes. Serial No. 563,605, June 17. Class 2.

Delta Products Company, Wilson, Ark., assignor to Shedd-Bartush Foods, Inc., Detroit, Mich. Oleomargarine. Serial No. 591,072, June 17. Class 46.

Detrex Corporation, Detroit, Mich. Degreasing and drying solvents. Serial No. 606,699, June 17. Class 52.

Dillinger, Mildred J., Baldwin, N. Y. Powdered preparation to alleviate the pains, stiffness, etc., of arthritis, rheumatism, etc. Serial No. 608,057, June 17. Class 18.

Ditto, Incorporated, Chicago, Ill. Writing ink, ruling ink, brushing ink, etc. Serial No. 613,806, June 17. Class 11.

Dobais, Jacques, Inc., New York, N. Y. Perfume, eau de cologne, toilet water, etc. Serial Nos. 611,774–5, June 17. Class 51.

Dollar, Robert, Co., The, San Francisco, Calif. Logs. Serial No. 620,724, June 17. Class 1.

Dorr Company, The, Stamford, Conn. Apparatus for classifying solids suspended in liquids. Serial No. 604,297, June 17. Class 23.

Duart Manufacturing Co., Ltd., San Francisco, Calif. Shampoo. Serial No. 617,867, June 17. Class 52.

Dunbar Glass Corporation, Dunbar, W. Va. Gauge glasses (or sight glasses), wall barometers, lenses, etc. Serial No. 607,321, June 17. Class 26.

Durable Plastics, Inc., Sherman, Tex. Compartmental plastic baskets. Serial No. 586,474, June 17. Class 2.

Dwarfies Corporation, Council Bluffs, Iowa. Vitamin preparation. Serial No. 605,851, June 17. Class 18.

Eagle Products Co., Inc., Chattanooga, Tenn. Insecticides and insect sprays. Serial No. 594,371, June 17. Class 6.

Eagle Shoe Mfg. Company, Inc., Everett, Mass. Men's and boys' leather shoes. Serial No. 621,262, June 17. Class 39.

Edwards, William, Company, The, Cleveland, Ohio. Canned vegetables and canned fish. Serial No. 493,179, June 17. Class 46.

Ekco Products Company, Chicago, Ill. Set of knives and holder therefor. Serial No. 578,200, June 17. Class 23.

Exhibit Sales Co.: *See*—
Exhibit Sales Company.

Exhibit Sales Company, also known as Exhibit Sales Co., Philadelphia, Pa. Men's and women's costume jewelry. Serial No. 616,092, June 17. Class 28.

Ez-Oke Co., also doing business as Ez-Oke Lab., Springfield, Oreg. Medicated lotion. Serial No. 619,933, June 17. Class 18.

Ez-Oke Lab.: *See*—
Ez-Oke Co.

Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Typewriter ribbons, carbon paper, writing ink, etc. Serial No. 597,330, June 17. Class 11.

FAbrica de Conservas Madrugada, Limitada, Povoa de Varzim, Portugal. Canned fish. Serial No. 590,784, June 17. Class 46.

Failing, George E., Supply Company, Enid, Okla. Earth drilling machines, and drilling bits. Serial No. 578,873, June 17. Class 23.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Fumigant. Serial No. 616,020, June 17. Class 6.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Agents for leveling dyeings. Serial No. 616,023, June 17. Class 6.

Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Chemical composition. Serial No. 616,024, June 17. Class 6.

Flat Metal Manufacturing Company, Franklin Park, Ill. Shower doors. Serial No. 611,511, June 17. Class 12.

Fish, Eugene, doing business under the trade name Perma-Chrome Company, Baltimore, Md. Chrome polish. Serial No. 609,640, June 17. Class 4.

Flour Mills of America, Inc., Kansas City, Mo. Egg mash, concentrated poultry feed, hog feed, etc. Serial No. 622,432, June 17. Class 46.

Foley & Company, Chicago, Ill. Urinary antiseptic tablets. Serial No. 602,444, June 17. Class 18.

Fowler, Roscoe, doing business under the name and style of Sturdee Steel Products Company, Los Angeles, Calif. Mounting hardware. Serial No. 605,899, June 17. Class 13.

Frosst, Charles E., & Co., Montreal, Quebec, Canada. Pharmaceutical preparation. Serial No. 620,963, June 17. Class 18.

Fruit of the Loom, Inc., Providence, R. I. Plastic garment bags, blanket bags, shoe bags, etc. Serial No. 556,432, June 17. Class 2.

Fruitland Canning Association, Inc., Fruitland, Idaho. Canned vegetables. Serial No. 535,021, June 17. Class 46.

Fugitt, Mark, Dallas, Tex. Knee pillows. Serial No. 599,937, June 17. Class 32.

Gaines Fabrics Co., Inc., New York, N. Y. Knitted fabrics in the piece. Serial No. 612,800, June 17. Class 42.

Gale Packing Company, Palatka, Fla. Fresh citrus fruits and frozen seafood products. Serial No. 616,557, June 17. Class 46.

Garden States Seed Co., Inc., Newark, N. J. Lawn seed mixtures. Serial Nos. 620,464–5, June 17. Class 1.

Garris, Ralph, Bushkill, Pa. Medicinal preparation. Serial No. 616,954, June 17. Class 18.

Geigy Company, Inc., New York, N. Y. Antirheumatic, analgesic and antipyretic preparation. Serial No. 610,362, June 17. Class 18.

Gem-Dandy, Inc., Madison, N. C. Men's cravats, braces, belts and garters, women's scarfs. Serial No. 620,310, June 17. Class 39.

General Building Materials, Inc., South Bend, Ind. Preformed window construction. Serial No. 611,129, June 17. Class 12.

General Ceramics and Steatite Corp., Keasbey, N. J. Pipes and pipe fittings. Serial No. 616,166, June 17. Class 13.

General Electric Company, Schenectady, N. Y. Endothermic reaction apparatus. Serial No. 594,965, June 17. Class 34.

General Refractories Company, Philadelphia, Pa. Chromemagnesite, air-setting, high temperature, bonding mortar. Serial No. 611,353, June 17. Class 12.

General Testing Laboratories: *See*—
Richards, Wesley A.

Gentile Bros. Company, Cincinnati, Ohio. Fresh citrus fruits. Serial No. 572,170, June 17. Class 46.

Gentner Tackle Co., Garfield, N. J. Artificial fishing lures. Serial No. 616,205, June 17. Class 22.

Germaine Monteil Cosmetiques Corporation, New York, N. Y. Eye shadow preparation. Serial No. 596,911, June 17. Class 51.

Germaine Monteil Parfums Company, New York, N. Y. Perfume, toilet water, and cologne. Serial No. 607,624, June 17. Class 51.

Gibbs Underwear Company, Philadelphia, Pa. Underwear, polo shirts, T shirts, etc. Serial No. 597,439, June 17. Class 39.

Globe Venetian Blind Corporation, Baltimore, Md. Venetian blinds. Serial No. 609,239, June 17. Class 32.

Goldberg, Jack, Co., Chicago, Ill. Sinks, bathtubs, brass faucets, etc. Serial No. 621,206, June 17. Class 13.

Goldsmith, Stanley H., Inc., Philadelphia, Pa. Fabrics. Serial No. 570,699, June 17. Class 42.

Goren Packing Co., Inc., Boston, Mass. Shortening. Serial No. 605,655, June 17. Class 46.

Graded Egg Co.: *See*—
Marriott, Roy G.

Griggs, Cooper & Company, St. Paul, Minn. Cookies, crackers, and coffee. Serial No. 618,962, June 17. Class 46.

Gundlach, G. P., & Co. Inc., Cincinnati, Ohio. Bottled buttermilk. Serial No. 599,943, June 17. Class 46.

Halferty, G. P., & Co., Seattle, Wash. Canned fish. Serial No. 617,439, June 17. Class 46.

Hamilton Carhartt Overall Co., Inc., Detroit, Mich. Overalls, coats, vests, etc. Serial No. 617,112, June 17. Class 39.

Handy-Andy Specialty Co., Inc., Long Island City, N. Y. Wall shelves, mirrored wall shelves, shadow boxes, etc. Serial No. 611,357, June 17. Class 32.

Hardman, H. V., Co., Incorporated, Belleville, N. J. Thermosetting adhesives. Serial No. 606,014, June 17. Class 5.

Harmolin, Inc., San Diego and La Mesa, Calif. String instruments. Serial No. 616,098, June 17. Class 36.

Hauer, Victoria T., Dayton, Ohio. Clerical vests. Serial No. 614,988, June 17. Class 39.

Haymarket Coat Company: *See*—
Lehrer, Fred F.

Helfrich, Jesse B., doing business under the assumed name of Aqua-Flor, Portland, Oreg. Solution of sodium fluoride and water. Serial No. 612,396, June 17. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Antituberculosis compound. Serial No. 623,250, June 17. Class 18.

Hopkins, J. L., & Company, Brooklyn, N. Y. Insect powder. Serial No. 610,688, June 17. Class 6.

Hortex Manufacturing Co., Inc., El Paso, Tex. Children's play suits. Serial No. 609,178, June 17. Class 39.

Houghton Laboratories, Inc., Olean, N. Y. Resin-base adhesive compositions. Serial No. 602,948, June 17. Class 5.

House of Stuart, Inc., The, Newark, N. Y. Talcum powder, shaving cream, personal deodorant, etc. Serial No. 598,185, June 17. Class 51.

Imperial Chemical Industries Limited, London and Millbank, London, England. Car polishes, polishes for painted and enameled surfaces, etc. Serial No. 594,776, June 17. Class 4.

Imperial Chemical Industries Limited, London and Millbank, London, England. Explosive fuses. Serial No. 617,963, June 17. Class 9.

Independent Industrial Workers Association, Baton Rouge, La. Newspaper. Serial No. 608,992, June 17. Class 38.

Industrial Chemical Laboratories, Inc., Omaha, Nebr. Liquid and powdered insecticides, liquid and powdered disinfectants. Serial No. 613,510, June 17. Class 6.

Industrial Starter Corporation, New York, N. Y. Fluorescent lamp starters. Serial No. 613,875, June 17. Class 21.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Self-propelled rock drilling machines. Serial No. 606,943, June 17. Class 23.

Interchemical Corporation, New York, N. Y. Printing inks. Serial No. 614,777, June 17. Class 11.

International Affiliated Corp., Wilmington, Del. Preparation for the treatment of constipation and liver disturbances. Serial No. 613,073, June 17. Class 18.

Johnson & Johnson, New Brunswick, N. J. Antiseptic lotion. Serial No. 615,645, June 17. Class 18.

K-M Chemical Co., Thomasville, Ga. Preparation for the relief of athlete's foot, ingrowing toenails, corns, etc. Serial No. 611,096, June 17. Class 18.

Kagraw Corporation, New York, N. Y., assignee of Robert E. Smith. Toy ceramic piggy banks. Serial No. 595,000, June 17. Class 22.

Kahlua, Ltd., Hollywood, Calif. Candy. Serial No. 608,821, June 17. Class 46.

Kalex Corporation, New York, N. Y. Clocks. Serial No. 603,297, June 17. Class 27.

Kathryn, Inc., Chicago, Ill. Ammoniated tooth powder. Serial No. 584,769, June 17. Class 51.

Kayser, Julius, & Co., New York, N. Y. Women's slips and hosiery. Serial No. 603,064, June 17. Class 39.

Keystone Laboratories, Inc., Memphis, Tenn. Hair dressing. Serial No. 603,795, June 17. Class 51.

Keystone View Company, Meadville, Pa. Lantern slides. Serial No. 619,419, June 17. Class 26.

Killgore, Charles, Company, Inc., Yonkers, N. Y. Candy substitutes. Serial No. 619,391, June 17. Class 46.

King Candy Company, Fort Worth, Tex. Candy. Serial No. 624,275, June 17. Class 46.

Kingston Clothing Co., Boston, Mass. Men's topcoats and overcoats. Serial No. 590,162, June 17. Class 39.

Kiseling, Albert C., Philadelphia, Pa. Sauer kraut and salt mackerel. Serial No. 577,301, June 17. Class 46.

Kleenchief Co. Inc., assignee: *See*—
Almark Handkerchief Co., Inc.

Knothe Brothers Co. Inc., New York, N. Y. Men's outer belts. Serial No. 622,749, June 17. Class 39.

Knudsen Creamery Co. of California, Los Angeles, Calif. Dairy products. Serial No. 611,436, June 17. Class 46.

Kohnstamm, R. & A., (London) Inc., New York, N. Y. Leather. Serial No. 618,640, June 17. Class 1.

Kota Products, Inc.: *See*—
Steel Sash Sales & Service, Inc.

Kranich & Bach, New York, N. Y. Pianos. Serial No. 576,974, June 17. Class 36.

Krupp, Herman, doing business under the assumed name of Oceanic Trading Company, Seattle, Wash. Hand carved ivory objects. Serial No. 590,273, June 17. Class 50.

Lancome: *See*—
Lancome, S. A.

Lancome, S. A., doing business as Lancome, Paris, France. Face creams. Serial No. 577,273, June 17. Class 51.

Larsen Company, The, Green Bay, Wis. Canned vegetables. Serial No. 624,037, June 17. Class 46.

Lee-Wald Garment Company, Kansas City, Mo. Boys' garments. Serial No. 609,729, June 17. Class 39.

Lehrer, Fred F., doing business as Haymarket Coat Company, Los Angeles, Calif. Women's and misses' coats and suits. Serial No. 620,262, June 17. Class 39.

Lelong, Lucien, Inc., Chicago, Ill. Colognes. Serial No. 611,287, June 17. Class 51.

Lewel Manufacturing Co., Inc., New York, N. Y. Girdles. Serial No. 622,340, June 17. Class 39.

Lindeteves Inc., New York, N. Y. Pistons and parts thereof, engine valves, cylinder sleeves, etc. Serial No. 609,933, June 17. Class 23.

Lindroth, A. L., Company, Attleboro Falls, Mass. Jewelry. Serial No. 615,939, June 17. Class 28.

Little, A. P., Inc., Rochester, N. Y. Typewriter ribbons and carbon paper. Serial No. 618,171, June 17. Class 11.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton piece goods. Serial No. 617,043, June 17. Class 42.

Loxit Systems, Inc., Chicago, Ill. Metal chalk troughs, head and mullion trim channels, and metal end stops. Serial No. 585,853, June 17. Class 12.

MacGregor, May, New York, N. Y. Grooved phonograph records. Serial No. 609,595, June 17. Class 36.

Makers of Kal, Inc., Los Angeles, Calif. Iron, iodine, and mineral preparation. Serial No. 613,934, June 17. Class 18.

Mam'selle Lingerie, Inc., New York, N. Y. Children's panties. Serial No. 615,336, June 17. Class 39.

Mansfield, Dick: *See*—
Mansfield, Richard H.

Mansfield, Richard H., doing business as D. Mansfield, Cheverly, Md. Promoting safety among children. Serial No. 610,373, June 17. Class 107.

Marblette Corporation, The, Long Island City, N. Y. Synthetic resin compositions. Serial No. 612,336, June 17. Class 6.

Marian Company, The, Philadelphia, Pa. Boys' and youths' sport and dress shirts and pajamas. Serial Nos. 545,502–3, June 17. Class 39.

Marriott, Roy G., doing business under the trade name Graded Egg Co., Perry, Okla. Fresh eggs. Serial Nos. 620,517–18, June 17. Class 46.

Mary Sue Sales Co., Baltimore, Md. Candy and salted nuts. Serial No. 622,345, June 17. Class 46.

Maryland Baking Company, The, Baltimore, Md. Ice cream cones. Serial No. 615,497, June 17. Class 46.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 606,539, June 17. Class 18.

Masson Seeley and Company Limited, London, England. Transfer papers. Serial No. 622,608, June 17. Class 37.

Mathieson Chemical Corporation, Baltimore, Md. Flux for soldering or brazing containing compounds of hydrazine. Serial No. 621,324, June 17. Class 6.

Mautin, Francois A., New York, N. Y. Medical composition. Serial No. 595,609, June 17. Class 18.

McDonald, Mary E., Columbus, Ohio. Mariaceous material. Serial No. 618,360, June 17. Class 1.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation useful in the treatment of gastro intestinal conditions. Serial No. 620,519, June 17. Class 18.

Merry, Hull, & Company, New York, N. Y. Infants' and children's coats, hats, vests, etc. Serial No. 610,181, June 17. Class 39.

Michael's: *See*—
Tursi, Joseph.

Michel Cosmetics, Inc., Long Island City, N. Y. Lipsticks, rouge, face powder, etc. Serial No. 600,063, June 17. Class 51.

Mid-West Producers' Creameries, Inc., South Bend, Ind. Non-fat dry milk solids (dry skim milk). Serial No. 621,078, June 17. Class 46.

Miller Brothers Company, Johnson City, Tenn. Wood flooring and millwork. Serial No. 574,634, June 17. Class 12.

Milprint, Inc., Milwaukee, Wis. Polyethylene film. Serial No. 620,265, June 17. Class 1.

Minster Machine Company, The, Minster, Ohio. Power presses. Serial No. 611,799, June 17. Class 23.

Monrovia Nursery Company, Monrovia, Calif. Plants, trees, shrubs, etc. Serial No. 588,139, June 17. Class 1.

Moore, Jim, Mink Ranch, Peshtigo, Wis. Mink pelts and live minks. Serial No. 616,860, June 17. Class 1.

Morey Machinery Co., Inc., Astoria, N. Y. Turret lathes, vertical profiler and milling machines, automatic lathes, etc. Serial No. 614,952, June 17. Class 23.

Morton, Peter, Leisurewear, Inc., New York, N. Y. Men's coats, suits, and overcoats. Serial No. 590,752, June 17. Class 39.

N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Vitaminized live stock feeds. Serial No. 617,053, June 17. Class 46.

National Airlines, Incorporated, Miami, Fla. Arranging all-expense travel tours, etc. Serial No. 605,368, June 17. Class 105.

National Electric Products Corporation, Pittsburgh, Pa. Lock nuts. Serial No. 613,722, June 17. Class 13.

National Shirt Shops of Delaware, Inc., New York, N. Y. Men's wearing apparel, sportswear, and haberdashery. Serial No. 592,923, June 17. Class 39.

National Van Lines, Inc., Chicago, Ill. Transportation of goods. Serial No. 623,200, June 17. Class 105.

Nepera Chemical Co. Inc., Nepera Park, N. Y. Sedative hypnotic. Serial No. 620,815, June 17. Class 18.

New Hermes, Inc., New York, N. Y. Engraving machines. Serial No. 587,903, June 17. Class 23.

Newton Grocery Company: *See*—
Newton Grocery Company, Inc.

Newton Grocery Company, Inc., doing business under the name Newton Grocery Company, Dothan, Ala. Brooms and mops. Serial No. 614,057, June 17. Class 29.

Neyhard, Ernest R., Pottstown, Pa. Costume jewelry. Serial No. 615,499, June 17. Class 28.

Nichols Wire and Aluminum Co., Davenport, Iowa. Nails. Serial No. 569,465, June 17. Class 13.

Norcon, Incorporated, Norwalk, Conn. Grooved phonograph records. Serial No. 609,942, June 17. Class 36.

Northern Adhesives, Inc., Brooklyn, N. Y. Synthetic liquid wood glue. Serial No. 610,862, June 17. Class 5.

Oceanic Trading Company: *See*—
Krupp, Herman.

O'Connell Brothers, Inc., Overland and St. Louis, Mo. Antacid adsorbent. Serial No. 607,509, June 17. Class 18.

Olin Industries, Inc., East Alton, Ill. Rifle and pistol cartridges. Serial No. 592,095, June 17. Class 9.

Olive Oil Industry, Inc., New York, N. Y. Olive oil and canned tomatoes. Serial No. 583,169, June 17. Class 46.

Olson Tool Company, Minneapolis, Minn. Dust caps for grease fittings. Serial No. 615,281, June 17. Class 13.

Oshkosh B'Gosh, Inc., Oshkosh, Wis. Overalls, work shirts, coats, jackets, etc. Serial No. 558,919, June 17. Class 39.

Oshkosh B'Gosh, Inc., Oshkosh, Wis. Overalls, work shirts, coats, jackets, etc. Serial No. 558,921, June 17. Class 39.

Pal Blade Co., Inc., New York, N. Y. Dispensing containers for safety razor blades. Serial No. 593,237, June 17. Class 23.

Paramount Manufacturing Co., Inc., St. Louis, Mo. Pants and trousers. Serial No. 612,412, June 17. Class 39.

Paramount Perlite Co., Los Angeles and Paramount, Calif. Plaster aggregate. Serial No. 611,528, June 17. Class 12.

Parke, Davis & Company, Detroit, Mich. Surgical adhesive plaster. Serial No. 614,713, June 17. Class 44.

Peerless Wolfson Company, Chicago, Ill. Handkerchiefs. Serial No. 614,668, June 17. Class 39.

Pelouze Manufacturing Co., Evanston, Ill. Postal scales. Serial No. 612,271, June 17. Class 26.

Pennsylvania Refining Company, Butler, Pa. Solvent preparation. Serial No. 596,358, June 17. Class 52.

Perma-Chrome Company: *See*—
Fish, Eugene.

Personal Pen Company, Boston, Mass. Pen and pencil repair service. Serial No. 590,453, June 17. Class 103.

Peters, Leo, doing business under the trade name of Peters' Produce Co., Evanston, Ill. Butter, margarine, cheese, and ice cream. Serial Nos. 615,942–3, June 17. Class 46.

Peters' Produce Co.: *See*—
Peters, Leo.

Pieri, J. G., Company: *See*—
Pieri, John J.

Pieri, John J., executor of the estate of J. G. Pieri, deceased, doing business as J. G. Pieri Company, Buffalo, N. Y. Canned vegetables. Serial No. 579,068, June 17. Class 46.

Pieri, Joseph G.: *See*—
Pieri, John J.

Pilgrim Sports & Work Apparel Manufacturers, Inc., New York, N. Y. Men's and boys' jackets, sports jackets, coats, etc. Serial No. 597,412, June 17. Class 39.

Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Frozen eggs and dried eggs. Serial No. 587,910, June 17. Class 46.

Powell, Dick, doing business as Powell Enterprises, Hollywood, Calif. Entertainment services. Serial No. 604,387, June 17. Class 107.

Powell Enterprises: *See*—
Powell, Dick.

Powers, John R., Products Co., Inc., Wilmington, Del., and New York, N. Y. Colognes. Serial No. 620,552, June 17. Class 51.

Princesse Titania, Inc., New York, N. Y. Perfume, toilet water, and cologne. Serial No. 613,023, June 17. Class 51.

Procter & Gamble Company, assignee: *See*—
Takara Laboratories Corporation.

Procter & Gamble Company, The, Cincinnati, Ohio. Processed deodorized edible vegetable oil. Serial No. 624,658, June 17. Class 46.

Protex Products Company, Inc., Jersey City, N. J. Bowl covers, jar and bottle covers, machinery covers, etc. Serial No. 610,583, June 17. Class 50.

Q-Rolo Sheet Metal Products, San Francisco, Calif., formerly Riddle Sheet Metal Works. Sheet metal products. Serial No. 578,099, June 17. Class 13.

Q-V Corporation, The, Ferndale, Mich. Vitamins and concentrated nutritional food supplements. Serial No. 584,347, June 17. Class 18.

Reeves Soundcraft Corp., New York, N. Y. Magnetic sound recording film. Serial No. 609,317, June 17. Class 21.

Remle: *See*—
Beechler, Elmer.

Republic Engineering & Mfg. Co., St. Louis, Mo. Automotive tie-rod ends. Serial No. 613,191, June 17. Class 19.

Respondek, John E., doing business under the name and style of Respondek Pharmacy, Hamtramck, Mich. Liquid tonic laxative. Serial No. 587,052, June 17. Class 18.

Respondek Pharmacy: *See*—
Respondek, John E.

Rex Baby Carriage Mfg. Co., Inc., New York, N. Y. Juvenile furniture. Serial No. 587,401, June 17. Class 32.

Richards, George, & Company, Limited, Broadheath, near Manchester, England. Combined boring and facing machines. Serial No. 615,998, June 17. Class 23.

Richards, Wesley A., doing business under the name General Testing Laboratories, Detroit, Mich. Hair dressing. Serial Nos. 610,634–5, June 17. Class 51.

Riddle Sheet Metal Works: *See*—
Q-Rolo Sheet Metal Products.

Rilling Company, New York, N. Y., now by change of name The Rilling-Dermetics Company. Permanent wave solutions. Serial No. 615,723, June 17. Class 51.

Rilling-Dermetics Company, The: *See*—
Rilling Company.

Riverside Chemical Company, Incorporated, North Tonawanda, N. Y. Fluxes, consisting essentially of metal halide mixtures, caustic alkalies, etc. Serial No. 612,666, June 17. Class 6.

Robbins Mills, Inc., New York, N. Y. Piece goods. Serial No. 613,024, June 17. Class 42.

Robinson Industries, Coleman, Mich. Thermoplastic materials. Serial No. 599,262, June 17. Class 12.

Rockwell Manufacturing Company, Pittsburgh, Pa. Sanding kits. Serial No. 611,535, June 17. Class 4.

Rockwell Register Corporation, Bellefontaine, Ohio. Automatic fare register. Serial No. 619,850, June 17. Class 26.

Rogers Candy Company, Seattle, Wash. Candy. Serial No. 576,658, June 17. Class 46.

Roto-Finish Company, Kalamazoo, Mich. Aggregates. Serial No. 617,512, June 17. Class 4.

Royal Tops Mfg. Co., Long Island City, N. Y. Spinning tops, and tops of the bandalore type. Serial No. 621,087, June 17. Class 22.

Russell Supply Company, Bridgeville, Pa. Synthetic detergent. Serial No. 620,364, June 17. Class 52.

S. A. Latterie Industriali Rinuite L. I. R., Robbio, Lomellina, Italy. Butter and cheese. Serial No. 565,151, June 17. Class 46.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh lettuce and fresh melons. Serial No. 604,329, June 17. Class 46.

Sani-White Chemical Co., The, Baltimore, Md. Disinfectant. Serial No. 582,144, June 17. Class 6.

Schenley Laboratories, Inc., New York, N. Y. Pharmaceutical product. Serial No. 606,490, June 17. Class 18.

Scherer, R. P., Corporation, Detroit, Mich. Capsulated vitamin preparations, capsulated drugs and medicinal preparations and mixes, etc. Serial No. 595,987, June 17. Class 18.

Schieffelin & Co., New York, N. Y. Antacid. Serial No. 608,956, June 17. Class 18.

Schmid, Prof., Dr. Georg., Wabern, Berne, Switzerland. Veterinary medicines. Serial No. 620,325, June 17. Class 18.

Schranck, H. C., Company, Milwaukee, Wis. Toppings for ice cream sundaes and sodas, canned foods, etc. Serial No. 578,638, June 17. Class 46.

Schueller, Eugéne, Paris, France. Shampoos. Serial No. 614,516, June 17. Class 52.

Scott, O. M., & Sons Company, Marysville, Ohio. Chemical preparation. Serial No. 619,897, June 17. Class 6.

Sears, George A., McGregor, Minn. Dressed poultry. Serial No. 622,415, June 17. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Kitchen metal wall and base cabinets. Serial No. 588,392, June 17. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Dining tables, dining chairs, servers, etc. Serial No. 600,987, June 17. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Air dryers. Serial No. 622,036, June 17. Class 34.

Seco Safety Products Company: *See*—
Tainsh, Peter C.

Self Help Life Assurance Society, Chicago, Ill. Underwriting of life insurance. Serial No. 595,334, June 17. Class 102.

Shaffer, Stanley E., Merced, Calif. Float-controlled valve units. Serial No. 620,747, June 17. Class 13.

Shedd-Bartush Foods, Inc., assignee: *See*—
Delta Products Company.

Shields Oil Producers, Russell, Kans. Drilling and maintaining oil and gas. Serial No. 602,002, June 17. Class 103.

Silbernagel Company, Inc., Pine Bluff, Ark. Wheat flour. Serial No. 582,498, June 17. Class 46.

Sjostrom, John E., Company, Philadelphia, Pa. Wheel chocks. Serial No. 609,145, June 17. Class 19.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics. Serial No. 624,665, June 17. Class 42.

Smith, Robert E.: *See*—
Kagraw Corporation.

Societa per Azioni, Strega Alberti Benevento (S.A.B.), Benevento, Italy. Non-alcoholic maltless soft drinks and syrups. Serial No. 561,270, June 17. Class 45.

Societe Anonyme de l'Annuaire du Commerce Didot-Bottin, Paris, France. Almanacs, directories, agenda-books, etc. Serial No. 601,526, June 17. Class 38.

Speidel Corporation, Providence, R. I. Watch bracelets. Serial No. 616,060, June 17. Class 28.

Sponge Rubber Products Company, The, Shelton, Conn. Cellular expanded bodies of plastic materials. Serial No. 617,771, June 17. Class 1.

Springfield Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Staley Milling Company, North Kansas City, Mo. Poultry and live stock feed. Serial No. 621,107, June 17. Class 46.

Standard Oil Company, Chicago, Ill. Lubricating oil. Serial No. 620,698, June 17. Class 15.

Standard Safety Equipment Co., Chicago, Ill. Transparent plastic containers having a mechanical dispenser, etc. Serial No. 601,382 June 17. Class 13.

Steel Sash Sales & Service, Inc., Weehawken, N. J., now by change of name Kota Products, Inc. Combination screen and storm windows, combination screen and storm doors, etc. Serial No. 611,199, June 17. Class 12.

Stenfreeze, Inc., Dayton, Ohio. Concentrated orange juice. Serial No. 608,227 June 17. Class 46.

Stewart-Glapat Corporation, Zanesville, Ohio. Mobile straight line mechanical conveyors. Serial No. 619,150, June 17. Class 23.

Strohmeyer & Arpe Company, New York, N. Y. Olives. Serial No. 618,062, June 17. Class 46.

Stuart, John, Inc., New York, N. Y. Articles of furniture. Serial No. 551,337, June 17. Class 32.

Stunzi Sons Silk Company, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 624,666, June 17. Class 42.

Sturdee Steel Products Company: *See*—
Fowler, Roscoe.

Suit Shop, The, Washington, D. C. Men's suits and topcoats. Serial No. 594,593, June 17. Class 39.

Synthetic Products Co., Cleveland, Ohio. Stabilizers for synthetic resins. Serial No. 619,656, June 17. Class 6.

Tainsh, Peter C., doing business as Seco Safety Products Company, Detroit, Mich. Fire fighting equipment. Serial No. 620,936, June 17. Class 23.

Takara Laboratories: *See*—
Takara Laboratories Corporation.

Takara Laboratories Corporation, trading as Takara Laboratories, Hollywood, Calif., assignor to Procter & Gamble Company, Cincinnati, Ohio. Hair oil and tonic. Serial No. 612,281, June 17. Class 51.

Talon, Inc., Meadville, Pa. Slide fasteners. Serial No. 622,132, June 17. Class 13.

Tay, Eugenia, Brooklyn, N. Y. Chocolate candy. Serial No. 617,893, June 17. Class 46.

Taylor, Lloyd G., Ellicott City, Md. Closed form in which units of fluid and bulk material are frozen. Serial No. 598,225, June 17. Class 31.

Terps Company: *See*—
Aschenbach, Henry.

Tex-O-Kan Flour Mills Co., doing business as Burrus Feed Mills, Fort Worth, Dallas, McKinney, and San Benito, Tex., now by change of name Burrus Mills, Incorporated. Dairy, hog, livestock, dog and poultry feeds. Serial No. 572,139, June 17. Class 46.

Trago Manufacturing Co. Inc., New York, N. Y. Sanitary panties. Serial No. 620,177, June 17. Class 44.

Transparent Package Company, Chicago, Ill. Artificial casings. Serial No. 616,785, June 17. Class 2.

Tursi, Joseph, doing business under the firm name and style of Michael's, Atlantic City, N. J. Beard softening agent. Serial No. 612,379, June 17. Class 51.

U. M. A. Inc., New York, N. Y. Aeroporotomy type of apparatus. Serial No. 587,570, June 17. Class 44.

Uncle Sam Chemical Co., Inc., New York, N. Y. Moth-repellent crystals, and pressed blocks. Serial No. 611,730, June 17. Class 6.

Underwood Corporation, New York, N. Y. Typewriters and parts thereof. Serial No. 621,039, June 17. Class 23.

United Air Lines, Inc., Chicago, Ill. Transportation of persons, mail, and property by air. Serial No. 533,953, June 17. Class 105.

United Plastic Corporation, Fitchburg, Mass. Plastic household articles. Serial No. 621,793, June 17. Class 2.

Universal Sports Corporation, New York, N. Y. Baseball bats, baseball bases, baseball masks, etc. Serial No. 611,666, June 17. Class 22.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 609,111, June 17. Class 18.

Valley Co-Op Oil Mill, Harlingen, Tex. Cottonseed meal, cottonseed cake and cottonseed pellets. Serial No. 621,691, June 17. Class 46.

Van Waters & Rogers, Inc., Seattle, Wash. Wrapping twine, baler twine, binder twine, and rope. Serial No. 622,318, June 17. Class 7.

Velveray Corporation, New York, N. Y. Decorating and printing woven and knitted fabrics. Serial No. 556,043, June 17. Class 106.

Viobin Corporation, Monticello, Ill. Desiccated and defatted thyroid. Serial No. 615,424, June 17. Class 18.

W. L. W. Mfg. Co. Inc., Chicago, Ill. Pinking shears. Serial No. 620,116, June 17. Class 23.

Watts Regulator Co., Lawrence, Mass. Pressure regulator safety devices. Serial No. 565,982, June 17. Class 13.

Weis, Henry, Manufacturing Company, Elkhart, Ind. Prefabricated metal construction members. Serial No. 571,374, June 17. Class 12.

West Disinfecting Company, Long Island City, N. Y. Liquid soap; surgical soap; hand soap, etc. Serial No. 611,161, June 17. Class 52.

West Disinfecting Company, Long Island City, N. Y. Electric automatic insecticide sprayer, electric portable hand manipulable insecticide atomizers, etc. Serial No. 611,669, June 17. Class 21.

West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. Serial No. 613,542, June 17. Class 18.

Weston Dodson & Co., Inc., Bethlehem, Pa. Coal. Serial No. 592,401, June 17. Class 1.

White, Edw. D., & Assoc., Inc., Seattle, Wash. Travel services. Serial No. 613,035, June 17. Class 105.

White Sewing Machine Corporation, Cleveland, Ohio. Sewing machines. Serial No. 604,755, June 17. Class 23.

White Stag Mfg. Co., Portland, Oreg. Women's short slacks. Serial No. 621,183, June 17. Class 39.

Willauer Paper Box Company, Inc., Spartanburg, S. C. Folding paper boards. Serial No. 621,184, June 17. Class 37.

Williams, Dwight S., Company, Inc., New York, N. Y. Socks. Serial No. 621,434, June 17. Class 39.

Williamson-Dickie Manufacturing Company, Fort Worth, Tex. Overalls. Serial No. 621,535, June 17. Class 39.

Wood, John, Company, New York, N. Y., and Muskegon, Mich. Automatic air measuring apparatus. Serial No. 606,585, June 17. Class 26.

Wyeth Incorporated, Philadelphia, Pa. Antispasmodic. Serial No. 620,764, June 17 Class 18.

Wynlit Pharmaceuticals, Inc., New York, N. Y. Anti-acid tablets. Serial No. 610,396, June 17. Class 18.

Zak Machine Works, Inc., Troy (Green Island), N. Y. Collar trimmer machines, cuff forming and pressing machines and wax injection molding machines. Serial No. 594,738, June 17. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Normanna Packers Union Ltd.: *See*—
Tokstad, Ingvar.

Addressograph-Multigraph Corporation: *See*—
American Multigraph Co.

Alfano, Gustave, Long Island City, N. Y. Reels on which are wound cables for carrying electric current, etc. 560,306, June 17; Serial No. 591,760. Class 21.

Allen, Don, Buffalo, N. Y. New and used passenger automobiles and motor vehicle trucks. 560,295, June 17; Serial No. 586,779. Class 19.

All-Steel Equipment Inc., Aurora, Ill. Disappearing typewriter platforms. 560,225, June 17; Serial No. 617,005, published Mar. 11, 1952. Class 32.

American Beverage Corporation: *See*—
Schoneberger & Noble, Inc.

American Bottlers of Carbonated Beverages, Washington, D. C. Partially printed forms. 560,176, June 17; Serial No. 612,235, published Mar. 18, 1952. Class 37.

American Crayon Company, The, Sandusky, Ohio. Art needlework and painting kits. 560,180, June 17; Serial No. 612,525, published Mar. 4, 1952. Class 40.

American Fabrics Company, The, Bridgeport, Conn. Laces, embroideries and narrow woven fabrics. 560,101, June 17; Serial No. 595,931, published Mar. 4, 1952. Class 40.

American Foundry Equipment Company, The, to American Wheelabrator & Equipment Corporation, Mishawaka, Ind. Sand blasting machinery, rod straightening and shearing machinery, etc. 293,398, renewed Apr. 19, 1952. O. G. June 17. Class 23.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard rubber combs. 560,200, June 17; Serial No. 615,103, published Mar. 18, 1952. Class 40.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard rubber combs. 560,201, June 17; Serial No. 615,104, published Feb. 12, 1952. Class 40.

American Machine and Metals, Inc., New York, N. Y., and Sellersville, Pa. Apparatus for remote indication of temperature or pressure. 560,146, June 17; Serial No. 608,586, published Mar. 18, 1952. Class 26.

American Meter Company, New York, N. Y. Gas pressure regulators. 560,066, June 17; Serial No. 571,065, published Mar. 25, 1952. Class 13.

American Multigraph Co., Wilmington, Del., and Cleveland, Ohio, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Materials and solutions for treating printing plates. 294,844–5, renewed June 7, 1952. O. G. June 17. Class 6.

American Rolling Mill Company, The: *See*—
Armco Steel Corporation.

American Stores Company, Philadelphia, Pa. Facial tissue, household paper towels, and bathroom tissue. 560,088, June 17; Serial No. 590,060, published Mar. 18, 1952. Class 37.

American Wheelabrator & Equipment Corporation: *See*—
American Foundry Equipment Company, The.

Anchor Plastics Company, Inc., New York, N. Y. Bones or stays. 560,138, June 17; Serial No. 606,592, published Mar. 4, 1952. Class 40.

Anderson, Clayton & Co., assignee: *See*—
Tucker's, Mrs., Foods, Inc.

Armand Schwab & Co., Inc., New York, N. Y. Millinery braids. 560,134, June 17; Serial No., 605,919, published Feb. 26, 1952. Class 40.

Armco Steel Corporation, Middletown, Ohio, by change of name from The American Rolling Mill Company. Services rendered by way of consultation with and advice to customers, etc. 560,251, June 17; Serial No. 527,560 published Mar. 18, 1952. Class 100.

Arms Textile Manufacturing Co., Manchester, N. H., and New York, N. Y. Interlining fabrics. 560,308, June 17; Serial No. 592,409. Class 42.

Arnold Bros., to Arnold Bros., Inc., Chicago, Ill. Sausage, frankfurters, pork sausage, etc. 294,051, renewed May 17, 1952. O. G. June 17. Class 46.

Arnold Bros., Inc.: *See*—
Arnold Bros.

Ashaway Line & Twine Mfg. Co., Ashaway, R. I. Strings for tennis rackets, squash rackets, badminton rackets, etc. 560,303, June 17; Serial No. 590,215. Class 22.

Askin Brothers Company, to Askin Brothers Company, Inc., Baltimore Md. Hosiery; underwear for men, women, and children; sweater coats, etc. 295,507, renewed July 5, 1952. O. G. June 17. Class 39.

Askin Brothers Company, Inc.: *See*—
Askin Brothers Company.

Atkins & Durbrow, Inc., New York, N. Y. Plantfood. 560,155, June 17; Serial No. 609,429, published Mar. 11, 1952. Class 10.

Atlantic Paper Company, Philadelphia, Pa. Starch coated book paper. 560,109, June 17; Serial No. 599,074, published Mar. 18, 1952. Class 37.

Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Acidproof and anti-corrosive rubber base coating preparation. 560,075, June 17; Serial No. 580,179, published Mar. 4, 1952. Class 16.

Aubrey & Company, Louisville, Ky. Live stock poultry, rabbit feeds. 560,050, June 17; Serial No. 553,804, published Mar. 18, 1952. Class 46.

Babbitt, B. T., Corp.: *See*—
Smith, Blackstone.

Bach, Loyal M., doing business under the firm name and style of Reserva-Chek Co., Pacific Palisades, Calif. Check form and correspondence envelope. 560,095, June 17; Serial No. 593,905, published Feb. 26, 1952. Class 37.

Barr Packing Company, Sanger, Calif. Fresh grapes. 560,083, June 17; Serial No. 588,267, published Mar. 18, 1952. Class 46.

Beddow, B., and Sons Limited, doing business as Propert's, by Propert Limited, London, England. Leather and saddle soap. 292,456, Mar. 15, 1932. Republished June 17. Classes 6 and 52.

Best Brothers Keene's Cement Company, The, Medicine Lodge, Kans., to National Gypsum Company, Buffalo, N. Y. Plaster. 292,385, renewed Mar. 15, 1952. O. G. June 17. Class 12.

Bienfang Products Corporation, Metuchen, N. J. Paper illustration board. 560,204, June 17; Serial No. 615,437, published Mar. 25, 1952. Class 37.

Biggar & Biggar: *See*—
Biggar & Biggar, Inc.

Biggar & Biggar, Fort Myers, Fla. Fresh vegetables. 426,395, Dec. 24, 1946. Republished June 17. Class 46.

Biggar & Biggar, Inc., by Biggar & Biggar, Fort Myers, Fla. Fresh fruits and fresh vegetables. 314,092, June 19, 1934. Republished June 17. Class 46.

Bike Web Company, The, Chicago, Ill. Monthly periodical. 427,293, Feb. 4, 1947. Republished June 17. Class 38.

Binney & Smith Company, New York, N. Y. Crayons. 560,159–60, June 17; Serial Nos. 610,951–2, published Feb. 12, 1952. Class 37.

Blanchard, Robert L., New York, N. Y. Tents. 560,324, June 17; Serial No. 611,335. Class 50.

Bloomer Bros. Company, Newark, N. Y. Ice cream pails. 295,531, renewed July 5, 1952. O. G. June 17. Class 2.

Blue Anchor Co., Inc., assignee: *See*—
Caracciolo, Louis D.

Bombay Dyeing & Manufacturing Co, Ltd., The, Bombay, India. Cotton piece goods. 560,182, June 17; Serial No. 612,679, published Apr. 1, 1952. Class 42.

Boston Table Mfg. Co., Inc., Boston, Mass. Dinette sets. 560,216, June 17; Serial No. 616,274, published Mar. 25, 1952. Class 32.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Woven fabrics. 324,200, May 14, 1935. Republished June 17. Class 42.

Bowen & Company: *See*—
Bowen, William S.

Bowen, William S., doing business under the name of Bowen & Company, Westfield, N. J. Ground beef extender. 560,195, June 17; Serial No. 614,748, published Mar. 18, 1952. Class 46.

Bowers Battery and Spark Plug Co., Reading, Pa. Spark plugs. 560,309, June 17; Serial No. 592,413. Class 21.

Bowland, C. R., Mfg. Co.: *See*—
Bowland, Charles R.

Bowland, Charles R., doing business as C. R. Bowland Mfg. Co., Spring Valley, Ill. Combination mirror and flashlight. 560,286, June 17; Serial No. 577,423. Class 21.

Bradford Bros., Inc., Placentia, Calif. Fresh citrus fruits. 560,218, June 17; Serial No. 616,358, published Feb. 19, 1952. Class 46.

Bradford Dyeing Association (U. S. A.) Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all kinds of fabric. 560,264, June 17; Serial No. 619,070, published Apr. 1, 1952. Class 106.

Brauer Bros. Mfg. Co., St. Louis, Mo. Holsters and cartridge carriers. 560,223, June 17; Serial No. 616,813, published Mar. 25, 1952. Class 9.

Bronson Cast Boot Co.: *See*—
Bronson, Hazel J.

Bronson, Hazel J., doing business as Bronson Cast Boot Co., Garden City, N. Y. Boot especially designed for the cast-bound or bandaged foot for sanitary and protective purposes. 560,314, June 17; Serial No. 604,760. Class 44.

Brown Company, Berlin, N. H. Kraft papers. 560,202, June 17; Serial No. 615,152, published Feb. 12, 1952. Class 37.

Brush Development Company, The, Cleveland, Ohio. Plastic hook adapted to lie between the ear and head of a human being and hold an earphone adjacent the person's ear. 560,302, June 17; Serial No. 589,765. Class 21.

Buck, Ernest A., doing business as Darius-New York, Brooklyn, N. Y. Costume jewelry. 560,328, June 17; Serial No. 613,496. Class 28.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 560,047, June 17; Serial No. 551,689, published Mar. 25, 1952. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 560,186, June 17; Serial No. 613,759, published Apr. 1, 1952. Class 42.

Burton-Dixie Corporation: *See*—
Dixie Cotton Felt Mattress Company.

Burton-Dixie Corporation, by Burton-Dixie Corporation, Chicago, Ill. Padding for seat cushions and mattresses. 291,466, Feb. 9, 1932. Republished June 17. Class 32.

Button, George W., Co.: *See*—
Button, George W., Corporation.

Button, George W., Corporation, to W. Jacobs, doing business as George W. Button Co., New York, N. Y. Perfumes. 293,255, renewed Apr. 19, 1952. O. G. June 17. Class 51.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 560,178, June 17; Serial No. 612,384, published Mar. 25, 1952. Class 11.

Cal-Mex Corporation, Los Angeles, Calif. Sauces for food purposes. 560,320, June 17; Serial No. 608,815. Class 46.

Cameron Iron Works, Inc., Houston, Tex. Valves. 560,168, June 17; Serial No. 612,120, published Dec. 11, 1951. Class 13.

Canton Chaplet and Manufacturing Company, The, Canton, Ohio. Foundry chaplets. 560,121, June 17; Serial No. 604,466, published Mar. 4, 1952. Class 14.

Canton Chaplet and Manufacturing Company, The, Canton, Ohio. Foundry chaplets. 560,122, June 17; Serial No. 604,470, published Mar. 4, 1952. Class 14.

Capewell Manufacturing Company, The, Hartford, Conn. Ground flat metal stock. 560,184, June 17; Serial No. 613,501, published Mar. 4, 1952. Class 14.

Caracciolo, Louis D., assignor to Blue Anchor Co., Inc., Blue Anchor, N. J. Frozen oysters. 560,089, June 17; Serial No. 590,545, published Mar. 18, 1952. Class 46.

Carpenter Steel Company, The, Reading, Pa. Steel. 560,104, June 17; Serial No. 596,013, published Mar. 25, 1952. Class 14.

Carroll, P. H., doing business as Carroll-Spinner Company, Corning, Calif. Fishing lure. 560,315, June 17; Serial No. 604,955. Class 22.

Carroll-Spinner Company: *See*—
Carroll, P. H.

Case History, The, Detroit, Mich. Apparatus used in connection with the servicing of automobiles. 560,077, June 17; Serial No. 581,404, published Mar. 4, 1952. Class 26.

Caswell, Geo. W., Co., San Francisco, Calif. Coffee. 294,420, renewed May 24, 1952. O. G. June 17. Class 46.

Cavalier Corporation: *See*—
Tennessee Furniture Corporation.

Chamberlin Cartridge & Target Co., The, Cleveland, Ohio, to Remington Arms Company, Inc., Bridgeport, Conn. Clay pigeons. 295,976, renewed July 19, 1952. O. G. June 17. Class 22.

Chamberlin Company of America: *See*—
Chamberlin Metal Weather Strip Co.

Chamberlin Metal Weather Strip Co., to Chamberlin Company of America, Detroit, Mich. Weather-strips. 86,784, re-renewed June 4, 1952. O. G. June 17. Class 12.

Chase, J. L., Company, Chicago, Ill. Upholstered chairs and sofas. 560,053, June 17; Serial No. 558,778, published Apr. 1, 1952. Class 32.

Chipman Knitting Mills, Easton, Pa. Hosiery. 560,145, June 17; Serial No. 608,301, published Mar. 18, 1952. Class 39.

Chocolate Products Company, Chicago, Ill. Chocolate coating. 295,761, renewed July 12, 1952. O. G. June 17. Class 46.

Clark, D. L., Company, The, Pittsburgh, Pa. Candy bars. 560,064, June 17; Serial No. 568,297, published Mar. 18, 1952. Class 46.

Coan, Nicholas C., doing business as Redi-Rice Company, and as Texas Food Canners, Houston, Tex. Canned ready-to-eat cooked rice, etc. 560,269, June 17; Serial No. 552,354. Class 46.

Cohn-Hall-Marx Co., to United Merchants and Manufacturers, Inc., New York, N. Y. Silk piece goods. 294,981, renewed June 14, 1952. O. G. June 17. Class 42.

Cohn, Leon, assignee: *See*—
Lewis, Paul N.

Commercial Controls Corporation, Rochester, N. Y. Perforatable paper tapes and copy paper. 560,096, June 17; Serial No. 594,952, published Mar. 18, 1952. Class 37.

Cone Export and Commission Co., Inc., New York, N. Y. Textile fabrics. 560,123, June 17; Serial No. 604,572, published Apr. 1, 1952. Class 42.

Cool-Temp Awning Company of Kansas, Inc., Wichita, Kans. Permanent type awnings. 560,322, June 17; Serial No. 609,537. Class 12.

Coppes, Inc., Nappanee, Ind. Custom-built kitchen equipment. 560,140, June 17; Serial No. 607,007, published Apr. 1, 1952. Class 32.

Cornell, G. L., Company: *See*—
Cornell, George L.

Cornell, George L., doing business under the name and style of G. L. Cornell Company, Bethesda, Md. Servicing and repair of turf maintenance equipment. 560,262, June 17; Serial No. 616,162, published Mar. 25, 1952. Class 103.

Coventry Gauge & Tool Company Limited, Coventry, England. Measuring gauges, apparatus, instruments, and accessories. 560,112, June 17; Serial No. 601,126, published Feb. 26, 1952. Class 26.

Credo-Chek System, Inc., Seattle, Wash. Partially printed checks. 560,129, June 17; Serial No. 605,548, published Dec. 4, 1951. Class 37.

Crown Zellerbach Corporation, also doing business under the name of National Paper Products Sales Company, San Francisco, Calif. Toilet tissue. 560,157, June 17; Serial No. 610,513, published Feb. 26, 1952. Class 37.

Crump, B. T., Company, Inc., Richmond, Va. Hassocks. 560,310, June 17; Serial No. 594,524. Class 32.

Crystal Tissue Company, The, Middletown, Ohio. Wax paper. 560,226, June 17; Serial No. 617,014, published Mar. 4, 1952. Class 37.

Curtis Publishing Company, to The Curtis Publishing Company, Philadelphia, Pa. Agricultural journal. 84,728, re-renewed Jan. 2, 1952. O. G. June 17. Class 38.

Curtis Publishing Company, The: *See*—
Curtis Publishing Company.

Cussins and Fearn Company, The, Columbus, Ohio. Enameled kitchen utensils, aluminum kitchen utensils, etc. 560,048, June 17; Serial No. 551,773, published Mar. 25, 1952. Class 2.

Dahlberg Company, The, Minneapolis, Minn. Coin-operated radio receiving sets. 560,332, June 17; Serial No. 619,456. Class 21.

Dan River Mills, Incorporated, Danville, Va. Piece goods. 560,250, June 17; Serial No. 620,955, published Apr. 1, 1952. Class 42.

Darius-New York: *See*—
Buck, Ernest A.

Darling Carriage Co., Inc., New York, N. Y. Bed springs, crib springs, covered box springs, etc. 560,115, June 17; Serial No. 602,933, published Apr. 1, 1952. Class 32.

Demand Products Company, The: *See*—
Meyer, Harold A.

Dennis, Jos. K., Boston, Mass. Salt fish. 560,137, June 17; Serial No. 606,458, published Mar. 18, 1952. Class 46.

Dennison & Sons, Long Island City, N. Y. Banknotes, checks, drafts, etc. 296,466, renewed Aug. 9, 1952. O. G. June 17. Class 37.

De Vilbiss Company, The: *See*—
De Vilbiss Manufacturing Company, The.

De Vilbiss Manufacturing Company, The, to The De Vilbiss Company, Toledo, Ohio. Atomizers and nebulizers. 87,733, re-renewed Aug. 6, 1952. O. G. June 17. Class 44.

Dick, A. B., Company, Niles, Ill. Stencil sheets. 560,232, June 17; Serial No. 617,787, published Mar. 11, 1952. Class 37.

Di-Fram-Ette Company, Inc.: *See*—
Di-Fram-Ette, Inc.

Di-Fram-Ette, Inc., Denver, Colo., assignee of M. R. Mayer, doing business as Di-Fram-Ette Company, Inc. Vaginal antiseptic. 560,301, June 17; Serial No. 589,585. Class 18.

Dixie Cotton Felt Mattress Company, by Burton-Dixie Corporation, Chicago, Ill. Mattresses, bed box springs, and pillows. 85,420, Feb. 20, 1912. Republished June 17. Class 32.

Dodge-Dickinson Co., The, Bloomington, Ill. Bedding, particularly mattresses. 560,275, June 17; Serial No. 558,111. Class 32.

Donley Brothers Company, The, Cleveland, Ohio. Metal inserts, metal clothes posts, floor traps, etc. 560,065, June 17; Serial No. 568,593, published Mar. 18, 1952. Class 13.

Driver-Harris Company, Harrison, N. J. Metallic wire and strips. 294,306, renewed May 24, 1952. O. G. June 17. Class 21.

Duluth-Superior Milling Company, Duluth, Minn., by Standard Milling Company, Chicago, Ill. Wheat flour. 87,053, June 25, 1912. Republished June 17. Class 46.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Military smokeless powder. 295,517, renewed July 5, 1952. O. G. June 17. Class 9.

Duro-Test Corporation, North Bergen, N. J. Fluorescent lamps and fluorescent lamp fixtures. 560,282, June 17; Serial No. 569,748. Class 21.

Earp-Thomas Farmogerm Company, Jersey City and Bloomfield, to Earp-Thomas Laboratories, Inc., Hampton, N. J. Cultures of beneficial soil bacteria. 85,332, re-renewed Feb. 13, 1952. O. G. June 17. Class 10.

Earp-Thomas Laboratories, Inc.: *See*—
Earp-Thomas Farmogerm Company.

Edison, Thomas A., Incorporated, West Orange, N. J. Sound recording and reproducing apparatus and equipment. 295,886, renewed July 19, 1952. O. G. June 17. Class 36.

Edison, Thomas A., Incorporated, West Orange, N. J. Sound recording and reproducing apparatus. 295,966, renewed July 17, 1952. O. G. June 17. Class 36.

Edmont Manufacturing Company, Coshocton, Ohio. Household and work gloves. 560,239, June 17; Serial No. 618,291, published Mar. 25, 1952. Class 39.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage battery grid alloy. 560,243, June 17; Serial No. 620,031, published Mar. 4, 1952. Class 14.

Ellis, Bernard J., Limited, South Woodford, London, England. Automobile polishes. 560,061, June 17; Serial No. 566,575, published Mar. 18, 1952. Class 4.

El Poche Cafe, San Gabriel, Calif. Steak marinade or seasoning sauce. 560,128, June 17; Serial No. 605,472, published Mar. 18, 1952. Class 46.

Emerick, Lucille, New York, N. Y. Toy set. 560,244, June 17; Serial No. 620,095, published Mar. 18, 1952. Class 22.

Empire Sporting Goods Manufacturing Co. Inc., New York, N. Y. Sports emblems and sports letters. 560,147, June 17; Serial No. 608,927, published Mar. 11, 1952. Class 40.

Empire State Specialty Co.: *See*—
Wasserman, Kurt J.

Endicott Johnson Corporation, Endicott, N. Y. Boots and shoes. 294,152, renewed May 17, 1952. O. G. June 17. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Rubber heels and rubber soles. 294,494, renewed May 31, 1952. O. G. June 17. Class 39.

Essencefabriek Alex Groot: *See*—
Groot, Alex.

Esterbrook Pen Company, The, Camden, N. J. Series of fountain pens and ink well combinations and paper pads. 560,092, June 17; Serial No. 592,138, published Feb. 26, 1952. Class 37.

Eutectic Welding Alloys Corporation, New York, N. Y. Putty-like material. 560,312, June 17; Serial No. 603,915. Class 12.

Fabish, Louis, New York, N. Y. Skin lotion. 560,300, June 17; Serial No. 589,439. Class 51.

Fabric Guild of California, Los Angeles, Calif. Upholstery and drapery fabrics. 560,319, June 17; Serial No. 608,754. Class 42.

Fastex, Incorporated, Cleveland, Ohio. Partially printed record books. 560,113, June 17; Serial No. 601,987, published Feb. 26, 1952. Class 37.

Fatties Anonymous, Inc., New York, N. Y. Assisting individuals affected with obesity. 560,258–60, June 17; Serial Nos. 609,716–18, published Mar. 25, 1952. Class 107.

Fenwal Laboratories, Inc., Ashland, Mass. Kits and packages of flexible containers, flexible tubing, and hypodermic and coupling needles, etc. 560,313, June 17; Serial No. 604,360. Class 44.

Fisher Brothers Company, The, Cleveland, Ohio. Butter. 293,921, renewed May 10, 1952. O. G. June 17. Class 46.

Fisher, Herman C., Company, San Francisco, Calif. Almonds, shelled almonds, blanched almonds, etc. 560,267, June 17; Serial No. 541,826. Class 46.

Fisher, Leigh, doing business as Leigh Fisher & Associates, South Bend, Ind. Letterheads, brochures, instruction manuals, mailing envelopes, etc. 560,099, June 17; Serial No. 595,718, published Feb. 26, 1952. Class 37.

Fisher, Leigh, & Associates: *See*—
Fisher, Leigh.

Flag Pet Food Corp., New York, N. Y. Canned cat food. 560,040, June 17; Serial No. 528,564, published Mar. 18, 1952. Class 46.

Flaming Pit, Inc., The, Denver, Colo. Barbecue sauces and salad dressings. 560,211, June 17; Serial No. 616,556, published Feb. 19, 1952. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Flavoring extract. 178,416, Jan. 8, 1924. Republished June 17. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Flavoring extract. 178,416, aJn. 8, 1924. Republished June 17. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Pure vanilla concentrate. 306,474, Sept. 19, 1933. Republished June 17. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Food colors, perfume raw materials, perfume oil concentrates, natural floral isolates, and synthetic organic chemicals. 344,945, Apr. 13, 1937, Republished June 17. Classes 6, 46, 51.

Florasynth Laboratories, Inc., New York, N. Y. Maltless, nonalcoholic beverages. 349,930, Sept. 14, 1937. Republished June 17. Class 45.

Florasynth Laboratories, Inc., New York, N. Y. Natural and synthetic organic products for flavoring extracts, oils and blenders for alcoholic beverages. 354,154, Feb. 1, 1938. Republished June 17. Class 49.

Florasynth Laboratories, Inc., New York, N. Y. Nonalcoholic carbonated maltless beverages, and syrups, extracts, etc. 374,124, Jan. 2, 1940. Republished June 17. Class 45.

Florasynth Laboratories, Inc., New York, N. Y. Vanilla flavoring powders. 374,702, Jan. 23, 1940. Republished June 17. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Flavorings. 412,027, Feb. 13, 1945. Republished June 17. Class 46.

Florasynth Laboratories, Inc., New York, N. Y. Flavorings. 442,287, Mar. 22, 1949. Republished June 17. Class 46.

Fluegelman-Riverdale, Inc., doing business as Riverdale Mfg. Co., New York, N. Y. Draperies. 560,087, June 17; Serial No. 589,780, published Apr. 1, 1952. Class 42.

Formfit Company, The, Chicago, Ill. Bust pads, shoulder pads, shoulder straps, etc. 560,205, June 17; Serial No. 615,449, published Feb. 5, 1952. Class 40.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 292,740–1, renewed Mar. 29, 1952. O. G. June 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 292,743, renewed Mar. 29, 1952. O. G. June 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 292,747–9, renewed Mar. 29, 1952. O. G. June 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 292,771–2, renewed Mar. 29, 1952. O. G. June 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 293,194, renewed Apr. 12, 1952. O. G. June 17. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

Fortuna Machine Company, New York, N. Y. Annular knives. 86,798, re-renewed June 4, 1952. O. G. June 17. Class 23.

Frosted Fruit Products, Los Angeles, Calif. Frozen seedless purees of fruits and berries, whole fruits and berries, etc. 560,051, June 17; Serial No. 557,746, published Mar. 18, 1952. Class 46.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. 560,331, June 17; Serial No. 615,490. Class 42.

G-H-S, Corporation, New York, N. Y. Human hair goods. 560,151, June 17; Serial No. 609,126, published Mar. 4, 1952. Class 40.

Gardner Board and Carton Co., The, Middletown, Ohio. Paperboard. 560,162, June 17; Serial No. 611,350, published Feb. 26, 1952. Class 37.

Garet, Carlos, to Gravymaster Company, Inc., Long Island City, N. Y. Flavoring liquid. 292,629, renewed Mar. 22, 1952. O. G. June 17. Class 46.

Gem Canning Company, Emmett, Idaho. Canned corn and canned fruits. 560,217, June 17; Serial No. 616,284, published Feb. 19, 1952. Class 46.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Livestock feed. 560,229, June 17; Serial No. 617,539, published Mar. 18, 1952. Class 46.

Gerber Products Company, Fremont, Mich. Canned foods. 560,055, June 17; Serial No. 564,382, published Feb. 26, 1952. Class 46.

Gerber Products Company, Fremont, Mich. Canned foods. 560,057, June 17; Serial No. 564,384, published Feb. 26, 1952. Class 46.

Geroux, Harvey, Los Angeles, Calif. Pickling solution. 292,794, renewed Mar. 29, 1952. O. G. June 17. Class 46.

Glaser, Crandell Co., Chicago, Ill. Berry preserves. 560,118, June 17; Serial No. 603,921, published Mar. 26, 1952. Class 46.

Global Watch Company, Inc., New York, N. Y. Radio receiving sets, electric fans and phonographs. 560,181, June 17; Serial No. 612,655, published Mar. 4, 1952. Class 21.

Goldfarb Bros., New York, N. Y. Cotton fabrics. 560,125, June 17; Serial No. 604,967, published Apr. 1, 1952. Class 42.

Goode, Walker W., Humphrey, Nebr. Metal farm gates. 560,108, June 17; Serial No. 598,250, published Mar. 18, 1952. Class 13.

Goodman, H., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Barrettes and hair combs. 560,194, June 17; Serial No. 614,659, published Feb. 5, 1952. Class 40.

Gravymaster Company, Inc.: *See*—
Garet, Carlos.

Grayson-Robinson Stores, Inc., New York, N. Y. Ladies' slips. 560,130, June 17; Serial No. 605,738, published Mar. 18, 1952. Class 39.

Grems, Colis R., doing business under the assumed business name of Grems Mfg. Co., Klamath Falls, Oreg. Water-proof paint. 560,325, June 17; Serial No. 611,518. Class 16.

Grems Mfg. Co.: *See*—
Grems, Colis R.

Groot, Alex, doing business under the firm name Essencefabriek Alex Groot, Rotterdam, Netherlands. Flavoring extracts, flavoring oils, flavoring syrups, etc. 560,082, June 17; Serial No. 588,025, published Mar. 18, 1952. Class 46.

Gross, A., & Sons, Philadelphia, Pa. Dill pickles. 560,093, June 17; Serial No. 592,487, published Mar. 18, 1952. Class 46.

Gulf Distributing Co., Weslaco, Tex. Fresh vegetables. 560,207, June 17; Serial No. 615,549, published Mar. 18, 1952. Class 46.

Hairnet Corporation of America, New York, N. Y. Hair roll foundations. 560,208, June 17; Serial No. 615,704, published Mar. 25, 1952. Class 40.

Hamill, Annette C., Bethlehem, Pa. Adjustable metal tracks. 560,114, June 17; Serial No. 602,259, published Mar. 25, 1952. Class 13.

Handicast Company, The, Cleveland, Ohio. Hand-held fishing reel. 560,287, June 17; Serial No. 578,449. Class 22.

Harlem-Adler & Co., Inc., New York, N. Y. Buckles, zipper pulls, buttons, dress studs and dress links. 560,067, June 17; Serial No. 572,175, published Jan. 29, 1952. Class 40.

Harms of California Glove Company: *See*—
Harms, Richard H.

Harms, Richard H., doing business as Harms of California Glove Company, San Francisco, Calif. Misses' and ladies' fabric gloves. 560,219, June 17; Serial No. 616,426, published Mar. 25, 1952. Class 39.

Harris, H., Company, The, St. Paul, Minn. Women's and children's cloth and fur coats. 292,975, renewed Apr. 5, 1952. O. G. June 17. Class 39.

Heckert, F. W. Company, Inc., Dayton, Ohio. Grade indicator levels for use on tractors, bulldozers, graders, etc. 560,285, June 17; Serial No. 576,493. Class 26.

Helbros Watch Company, Inc., New York, N. Y. Watches, and watch movements. 560,283, June 17; Serial No. 570,559. Class 27.

Herschede Hall Clock Co., The, Cincinnati, Ohio. Clocks. 560,334, June 17; Serial No. 628,206. Class 27.

Hershkowitz, J., Inc., New York, N. Y. Blackboard crayons. 560,295, June 17; Serial No. 601,910. Class 37.

Hibdon Brothers Medicine Co., Morrison, Tenn. Medicinal preparation. 554,420, Feb. 5, 1952. Corrected. O. G. June 17. Class 18.

Hoffmaster Paper Company, Inc., Oshkosh, Wis. Embossed folded paper napkins. 560,299, June 17; Serial No. 588,954. Class 37.

Holly Chemical Co.: *See*—
Smith, Blackstone.

Holt, John, & Company, Inc., New York, N. Y. Canned rock lobster. 560,228, June 17; Serial No. 617,198, published Mar. 18, 1952. Class 46.

Hooper Paper & Twine Co., Inc., Philadelphia, Pa. Paper and paper products. 560,107, June 17; Serial No. 598,183, published Feb. 26, 1952. Class 37.

Horvath, Louis F.: *See*—
Rhoads, John H., and Horvath.

Houser, Clyde R., East Mauch Chunk, Pa. Ladies' hosiery. 560,119, June 17; Serial No. 603,999, published Mar. 18, 1952. Class 39.

Hubbard and Company, Pittsburgh, Pa. Bolts. 560,058, June 17; Serial No. 564,624, published Mar. 18, 1952. Class 13.

Hubinger Company, The, Keokuk, Iowa. Corn starch for food purposes. 293,688, renewed May 3, 1952. O. G. June 17. Class 46.

Hubinger Company, The, Keokuk, Iowa. Corn syrup. 560,136, June 17; Serial No. 606,218, published Mar. 18, 1952. Class 46.

International Paper Company, New York, N. Y. Groundwood printing paper. 560,161, June 17; Serial No. 611,029, published Jan. 29, 1952. Class 37.

International Shoe Company, St. Louis, Mo. Boots and shoes. 444,694, June 17; Serial No. 518,606, published Oct. 7, 1947. Class 39.

Interstate Bakeries Corporation, Kansas City, Mo. Bread. 560,060, June 17; Serial No. 565,552, published Mar. 18, 1952. Class 46.

Iago Wall Paper Corporation, Chicago, Ill. Wall paper. 560,198, June 17; Serial No. 615,068, published Mar. 18, 1952. Class 37.

Iago Wall Paper Corporation, Chicago, Ill. Wall paper. 560,199, June 17; Serial No. 615,069, published Feb. 12, 1952. Class 37.

Isrin, David S., doing business as Isrin-Oliver Company, New York, N. Y. Vinegar. 560,141, June 17; Serial No. 607,083, published Mar. 18, 1952. Class 46.

Isrin-Oliver Company: *See*—
Isrin, David S.

Ivers-Lee Company, Newark, N. J. Envelope-like sealed containers. 560,041, June 17; Serial No. 530,206, published Mar. 18, 1952. Class 2.

Jacobs, William: *See*—
Button, George W., Corporation.

Jaeger, Oswald, Baking Company, Milwaukee, Wis. Bread. 560,277, June 17; Serial No. 561,572. Class 46.

Jamestown Lounge Company, Jamestown, N. Y. Household furniture. 560,055, June 17; Serial No. 559,613, published Apr. 1, 1952. Class 32.

Jamestown Metal Products, Inc., Jamestown, N. Y. Metal cabinets and counter tops. 560,326, June 17; Serial No. 612,499. Class 32.

Jel Sert Company, The, Chicago, Ill. Powder concentrate for making maple-flavored table syrup. 560,316, June 17; Serial No. 605,796. Class 46.

Johnson, Howard D., Company, Quincy, Mass. Ice cream, chocolates, milk cocoa, etc. 560,084, June 17; Serial No. 589,314, published Mar. 4, 1952. Class 46.

Johnson, Howard D., Company, Quincy, Mass. Ice cream and ice cream bars; candies, etc. 560,085, June 17; Serial No. 589,316, published Mar. 4, 1952. Class 46.

Joyal and Van Dale Co., Pawtucket, R. I. Rayon shoelaces. 560,197, June 17; Serial No. 614,989, published Feb. 5, 1952. Class 40.

Juliette Frocks: *See*—
Juliette Frocks, Inc.

Juliette Frocks, Inc., Chicago, Ill., assignee of S. Rothbart, doing business as Juliette Frocks. Ladies' dresses. 560,037, June 17; Serial No. 456,929, published Mar. 25, 1952. Class 39.

Kappa Alpha Theta, Ithaca, N. Y., to Kappa Alpha Theta Fraternity, Chicago, Ill. Fraternity pins, badges, rings, etc. 292,053, renewed Mar. 1, 1952. O. G. June 17. Class 28.

Kappa Alpha Theta Fraternity: *See*—
Kappa Alpha Theta.

Kayware Corporation, Chicago, Ill. Food handling and serving receptacles. 560,288, June 17; Serial No. 584,007. Class 2.

Kellogg, Spencer, and Sons, Inc.: *See*—
Shellabarger Grain Products Company.

Keuffel & Esser Company, Hoboken, N. J. Sensitized black print cloth. 293,308, renewed Apr. 19, 1952. O. G. June 17. Class 26.

Keuffel & Esser Company, Hoboken, N. J. Drawing and tracing papers. 560,132, June 17; Serial No. 605,799, published Feb. 26, 1952. Class 37.

Keuffel & Esser Company, Hoboken, N. J. Drawing papers. 560,133, June 17; Serial No. 605,801, published Feb. 26, 1952. Class 37.

Keystone Wire Cloth Company, Hanover, Pa. Wire cloth. 560,214, June 17; Serial No. 616,036, published Mar. 25, 1952. Class 13.

Keystone Wire Cloth Company, Hanover, Pa. Metal insect screening. 560,240–1, June 17; Serial Nos. 619,024–5, published Mar. 18, 1952. Class 13.

Kinder Kraft: *See*—
Norman, Elsie F.

Koh-I-Noor, Spojené Kovoprůmyslové Závody, Národní Podnik, also doing business under the name Koh-I-Noor United Metal Ware Factories, National Corporation, Praha, Czechoslovakia. Closures and fasteners, crochet hooks, and needles. 560,183, June 17; Serial No. 613,296, published Mar. 4, 1952. Class 40.

Koh-I-Noor United Metal Ware Factories, National Corporation: *See*—
Koh-I-Noor, Spojené Kovoprůmyslové Závody, Národní Podnik.

Krementz & Company, Newark, N. J. Collar buttons, cuff buttons, cuff links, etc. 296,618, renewed Aug. 16, 1952. O. G. June 17. Class 28.

Krementz & Company, Newark, N. J. Tarnish and corrosion resisting metal alloy. 296,814, renewed Aug. 23, 1952. O. G. June 17. Class 14.

Kresge Department Store Corporation, to Kresge-Newark, Inc., Newark, N. J. Suits, shoes, dresses, etc. 295,524, renewed July 5, 1952. O. G. June 17. Class 39.

Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.

Kress, S. H., and Company, New York, N. Y. Composition books, notebooks, and looseleaf binders. 560,110, June 17; Serial No. 599,440, published Mar. 18, 1952. Class 37.

Kress, S. H., and Company, New York, N. Y. Buttons, needles, snap fasteners, etc. 560,238, June 17; Serial No. 618,265, published Mar. 25, 1952. Class 40.

Kronish, B., & Bro. Inc., New York, N. Y. Cosmetics. 294,215, May 24, 1932. Corrected. O. G. June 17. Class 51.

L. Lacroix Fils (London) Ltd., Wembley, England. Tissue paper. 560,209, June 17; Serial No. 615,783, published Feb. 12, 1952. Class 37.

La Mar, Maurice H., Stephenville, Tex. Partially printed reference charts. 560,100, June 17; Serial No. 595,726, published Mar. 18, 1952. Class 37.

Larson Bait Company: *See*—
Larson, Karl R.

Larson, Karl R., doing business as Larson Bait Company, Aitkin, Minn. Artificial fish lures. 560,069, June 17; Serial No. 572,907, published Mar. 18, 1952. Class 22.

Latrobe Electric Steel Company, Latrobe, Pa. Die steel. 560,070, June 17; Serial No. 573,781, published Mar. 25, 1952. Class 14.

Lawrence, A. C., Leather Company: *See*—
Lawrence, A. C., Leather Co.

Lawrence, A. C., Leather Co., Boston, to A. C. Lawrence Leather Company, Peabody, Mass. Calfskin and cowhide. 87,776, re-renewed Aug. 6, 1952. O. G. June 17. Class 1.

Lees, James, and Sons Company, Bridgeport, Pa. Partly finished needlepoint. 560,170, June 17; Serial No. 612,170, published Feb. 26, 1952. Class 40.

Lees Textile Company, The, Lowell, Mass. Materials for use in wrapping gifts. 560,049, June 17; Serial No. 551,983, published Mar. 4, 1952. Class 37.

Leslie Co., Lyndhurst, N. J. Hand-operated valves, whistle valves, pressure-reducing valves, etc. 560,044, June 17; Serial No. 537,597, published Mar. 25, 1952. Class 13.

Levitt, Daniel, New York, N. Y. Ladies' and misses' girdles, foundation garments, garter belts, etc. 560,237, June 17; Serial No. 618,170, published Mar. 25, 1952. Class 39.

Levy, Henry S., & Son, Inc., Brooklyn, N. Y. Bread. 560,304, June 17; Serial No. 590,275. Class 46.

Lewis, Paul N., Brooklyn, assignor to Leon Cohn, New York, N. Y. Facial tissues. 560,068, June 17; Serial No. 572,256, published Feb. 12, 1952. Class 37.

Lilyette Brassiere Co. Inc., New York, N. Y. Brassières. 560,234, June 17; Serial No. 617,964, published Mar. 25, 1952. Class 39.

Lional Plastics Corporation, New York, N. Y. Puzzle key chains. 560,094, June 17; Serial No. 592,642, published Mar. 18, 1952. Class 13.

Lubin-Weeker Co., Inc., New York, N. Y. Men's and boys' pajamas. 560,192, June 17; Serial No. 614,558, published Mar. 18, 1952. Class 39.

Maiden Form Brassiere Co., Inc., New York, N. Y. Brassières. 560,333, June 17; Serial No. 621,832. Class 39.

Mail-Well Envelope Company, Portland, Oreg. Mailing envelopes. 560,126, June 17; Serial No. 604,980, published Feb. 26, 1952. Class 37.

Makers of Kal, Inc., Los Angeles, Calif. Personal deodorants for internal use. 560,330, June 17; Serial No. 613,937. Class 18.

Makert, John, Chicago, Ill. Artificial fish lures. 560,296, June 17; Serial No. 603,121. Class 22.

Margolin, Max, New York, N. Y. Infant's sleeping bag. 560,318, June 17; Serial No. 607,030. Class 39.

Marion Electrical Instrument Company, Manchester, N. H. Electrical measuring instruments. 560,111, June 17; Serial No. 600,296, published Mar. 18, 1952. Class 26.

Maryland Baking Company, Inc., Baltimore, Md. Edible pastry cups. 560,074, June 17; Serial No. 578,607, published Mar. 18, 1952. Class 46.

Matson Navigation Company, San Francisco, Calif. Musical entertainment service. 560,263, June 17; Serial No. 616,721, published Mar. 25, 1952. Class 107.

Mayer, Marie R.: *See*—
Di-Fram-Ette, Inc.

McBee Company, The, Athens, Ohio. Stationery. 560,045, June 17; Serial No. 543,621, published Feb. 26, 1952. Class 37.

McCormick Mfg. Co. Limited, to McCormick's Limited, London, Ontario, Canada. Biscuits. 278,216, renewed Dec. 9, 1950. O. G. June 17. Class 46.

McCormick's Limited: *See*—
McCormick Mfg. Co. Limited.
McVitie & Price Limited, Edinburgh, Scotland. Biscuits, cakes, oatcakes, etc. 560,276, June 17; Serial No. 560,771. Class 46.
Melind, Louis, Company, Chicago, Ill. Hand stamps and parts thereof. 560,327, June 17; Serial No. 612,747. Class 23.
Mengel Company, The, Louisville, Ky. Wool containers. 560,268, June 17; Serial No. 545,588. Class 2.
Merzon, Ruth, Fifth Avenue, Inc., New York, N. Y. Brassières, bathing suits and slips. 560,210, June 17; Serial No. 615,843, published Mar. 25, 1952. Class 39.
Meyer, Harold A., doing business as The Demand Products Company, San Francisco, Calif. Prepared cake mixtures. 560,284, June 17; Serial No. 570,980. Class 46.
Meyers, Louis, & Son, Inc., New York, N. Y. Fabric and leather gloves. 560,230, June 17; Serial No. 617,547, published Mar. 18, 1952. Class 39.
Meyers, Louis, & Son, Inc., New York, N. Y. Fabric gloves. 560,233, June 17; Serial No. 617,806, published Mar. 25, 1952. Class 39.
Miley, L. J., Company, Chicago, Ill. Brake lining. 295,081, renewed June 14, 1952. O. G. June 17. Class 35.
Miller, E. B., Associates, Inc., New York, N. Y. Miniature three-dimensional soldiers, figures, models, etc. 560,242, June 17; Serial No. 619,976, published Mar. 18, 1952. Class 22.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Heat-sensitive cellulosic sheet material. 560,098, June 17; Serial No. 595,388, published Mar. 4, 1952. Class 37.
Minnesota and Ontario Paper Company, Minneapolis, Minn. Envelope, container, and wrapping paper. 560,171–4, June 17; Serial Nos. 612,213–16, published Feb. 26, 1952. Class 37.
Minnesota and Ontario Paper Company, Minneapolis, Minn. Writing, printing, wrapping, label and packaging paper. 560,188, June 17; Serial No. 614,158, published Feb. 26, 1952. Class 37.
Miro-Flex Company, Inc., The, Wichita, Kans. Hand fire extinguishers. 560,317, June 17; Serial No. 606,158. Class 23.
Miron Mills, Inc., Clinton, Mass. Wool fabrics in the piece. 560,246–7, June 17; Serial Nos. 620,679–80, published Mar. 25, 1952. Class 42.
Monsanto Chemical Company: *See*—
Wilckes, Martin, Wilckes Company.
Mueller Furniture Co., Grand Rapids, Mich. Household groups of furniture. 560,227, June 17; Serial No. 617,157, published Mar. 25, 1952. Class 32.
Mueller-Welt Contact Lenses, Inc., Chicago, Ill. Contact lenses. 560,158, June 17; Serial No. 610,755, published Mar. 18, 1952. Class 26.
Murray, Arthur, Inc., New York, N. Y. Instructing in dancing. 560,335, June 17; Serial No. 605,832. Class 107.
Narragansett Coated Paper Corporation, Pawtucket, R. I. Coated paper and embossed paper. 560,139, June 17; Serial No. 606,718, published Mar. 18, 1952. Class 37.
National Broom Manufacturing Company, Pueblo, Colo. Brooms. 296,071, renewed July 19, 1952. O. G. June 17. Class 29.
National Chair Co., Whitman, Mass. Dinette sets. 560,117, June 17; Serial No. 603,848, published Apr. 1, 1952. Class 32.
National Electric Products Corporation, assignor to Phelps Dodge Copper Products Corporation, to Phelps Dodge Copper Products Corporation, New York, N. Y. Condenser tubes and ferrules. 295,565, renewed July 5, 1952. O. G. June 17. Class 13.
National Gypsum Company: *See*—
Best Brothers Keene's Cement Company, The.
National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.
National Pectin Products Company, Chicago, Ill. Pectin stabilizer for ices and sherbets. 293,252, renewed Apr. 19, 1952. O. G. June 17. Class 46.
Naus Trimming Co. Incorporated, New York, N. Y. Garment buttons. 560,211 June 17; Serial No. 615,847, published Feb. 26, 1952. Class 40.
Newskin Company, Brooklyn, N. Y. Liquid substitute for court-plaster. 86,440, re-renewed May 7, 1952. O. G. June 17. Class 18.
Niles-Bement-Pond Company, West Hartford, Conn. Dimension gages, internal and external dimension comparators, etc. 560,212, June 17; Serial No. 615,848, published Feb. 26, 1952. Class 26.
Nobema Products Corporation, New York, N. Y. Tracing paper and cloth, and drawing paper. 560,142, June 17; Serial No. 607,183, published Mar. 18, 1952. Class 37.
Nobil Shoe Company, The, Akron, Ohio. Children's leather shoes. 336,515, July 7, 1936. Republished June 17, 1952. Class 39.
Noma Electric Corporation, New York, N. Y. Electric lamp sockets and Christmas tree lighting outfits. 294,411, renewed May 24, 1952. O. G. June 17. Class 21.
Norman, Elsie F., doing business as Kinder Kraft, Kansas City, Mo. Educational services. 560,253, June 17; Serial No. 577,340, published Apr. 1, 1952. Class 107.
Northwest Metal Products, Inc., Seattle, Wash. Wheelbarrows. 560,297, June 17; Serial No. 585,678. Class 19.
Nutt Brothers, Los Angeles, Calif. Cookies and macaroons. 211,460, Apr. 13, 1926. Republished June 17. Class 46.
Nutt Brothers, Los Angeles, Calif. Cookies, small cakes, and crackers. 299,012, Nov. 15, 1932. Republished June 17. Class 46.
Nu-Vent Awning, Inc., Houma, La. Ventilated metal awnings. 560,329, June 17; Serial No. 613,729. Class 12.
Obrock, August, to Mrs. A. Obrock, White Plains, N. Y. Salve ointment. 273,479, renewed Aug 5, 1950. O. G. June 17. Class 18.
Obrock, Mrs. August: *See*—
Obrock, August.
Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Copy paper. 560,043, June 17; Serial No. 535,737, published Feb. 12, 1952. Class 37.
Oleide Products Co.: *See*—
Oleide Products Company.
Oleide Products Company, Brooklyn, to Oleide Products Co., Glenwood Landing, N. Y. Spray composed of iodine in oil and an iodine ointment. 290,190, renewed Dec. 22, 1951. O. G. June 17. Class 18.
Olive Heights Citrus Association, Olive, Calif. Fresh citrus fruits. 560,046, June 17; Serial No. 545,029, published Mar. 18, 1952. Class 46.
Oregon Worsted Company, Portland, Oreg. Worsted cloth. 560,249, June 17; Serial No. 620,854, published Apr. 1, 1952. Class 42.
Oxford Filing Supply Co., Inc., Garden City, N. Y. Blank and partially printed gummed labels. 560,086, June 17; Serial No. 589,468, published Mar. 18, 1952. Class 37.
Oxford Paper Company, New York, N. Y. Coated printing paper. 560,062, June 17; Serial No. 567,533, published Feb. 26, 1952. Class 37.
Packaged Products Corporation, New York, N. Y. Frangible targets. 560,116, June 17; Serial No. 603,248, published Mar. 18, 1952. Class 22.
Paillard Products, Inc., New York, N. Y. View finders. 560,153, June 17; Serial No. 609,252, published Feb. 26, 1952. Class 26.
Palm Beach Fabrics, Inc., Boynton Beach, Fla. Piece goods. 560,135, June 17; Serial No. 606,169, published Apr. 1, 1952. Class 42.
Paris Gum Corporation of America, The, assignor to The Paris Gum Corporation of America, McAllen, Tex. Bubble gum. 560,270, June 17; Serial No. 553,214. Class 46.
Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, pen desk sets, etc. 560,187, June 17; Serial No. 613,822, published Mar. 4, 1952. Class 37.
Parker-Kalon Corporation, New York, N. Y. Nails, drive screws, screws, drive pins, etc. 296,996, renewed Aug. 30, 1952. O. G. June 17. Class 13.
Parsons Corporation, assignee: *See*—
Parsons Industries, Inc.
Parsons Industries, Inc., Traverse City, assignor to Parsons Corporation, Detroit, Mich. Aircraft rotor blades. 560,274, June 17; Serial No. 558,063. Class 19.
Patek Brothers, Inc., Milwaukee, Wis. Paint. 560,265, June 17; Serial No. 536,436. Class 16.
Pawtucket Standard Braid, Inc., Pawtucket, R. I. Shoe laces. 560,222, June 17; Serial No. 616,678, published Feb. 19, 1952. Class 40.
Peavey Paper Mills, doing business as White Sail Tissue Mills, Ladysmith, Wis. Toilet tissue. 560,305, June 17; Serial No. 591,102. Class 37.
Pedigree Fabrics, Inc., New York, N. Y. Woven fabric. 560,148, June 17; Serial No. 608,943, published Apr. 1, 1952. Class 42.
Pedigree Fabrics, Inc., New York, N. Y. Woven fabric. 560,149, June 17; Serial No. 608,944, published Apr. 1, 1952. Class 42.
Penn-Petroleum Corp., Detroit, Mich. Cutting fluids for machining operations. 560,294, June 17; Serial No. 601,373. Class 15.
Penron, Inc., New York, N. Y. Household furniture. 560,196, June 17; Serial No. 614,784, published Apr. 1, 1952. Class 32
Pepperell Manufacturing Company, Boston, Mass. Periodical publication. 297,052, renewed Aug. 30, 1952. O. G. June 17. Class 38.
Perfect Circle Corporation, Hagerstown, Ind. Instructing mechanics and repair men. 560,252, June 17; Serial No. 537,819, published Mar. 18, 1952. Class 107.
Peterson, Edwin F., Kewanee, Ill. Blow tube used in mold making to convey sand from a core blowing machine to a core box. 560,290, June 17; Serial No. 584,993. Class 23.
Phelps Dodge Copper Products Corporation, assignee: *See*—
National Electric Products Corporation.
Phelps-Terkel, Inc., Los Angeles, Calif. Custom tailoring, altering and repairing men's and women's clothing. 560,254, June 17; Serial No. 585,719, published Apr. 1, 1952. Class 103.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Knitting yarns. 560,236, June 17; Serial No. 618,098, published Mar. 25, 1952. Class 43.

Pneumatic Scale Corporation, Limited, Quincy, Mass. Weighing machines. 560,127, June 17; Serial No. 605,050, published Mar. 18, 1952. Class 26.
Pollak, Henry, Inc., New York, N. Y. Hat braids. 560,191, June 17; Serial No. 614,512, published Feb. 5, 1952. Class 40.
Pollak, Henry, Inc., New York, N. Y. Hat braids. 560,220, June 17; Serial No. 616,509, published Feb. 19, 1952. Class 40.
Pollock Paper Corporation, Dallas, Tex., assignor to Quaker Waxed Products Corporation, Philadelphia, Pa. Waxed paper. 560,311, June 17; Serial No. 593,640. Class 37.
Polychrome Corporation, Yonkers, N. Y. Fluids for use in correcting stencils, stencils, and styluses. 560,078, June 17; Serial No. 584,249, published Jan. 29, 1952. Class 37.
Port Huron Sulphite & Paper Co., Port Huron, Mich. Paper and paper products. 560,042, June 17; Serial No. 531,839, published Jan. 29, 1952. Class 37.
Profilm Company, Inc., New York, N. Y. Stencil sheets. 560,102, June 17; Serial No. 595,980, published Mar. 18, 1952. Class 37.
Propert Limited: *See*—
Beddow, B., and Sons Limited.
Propert's: *See*—
Beddow, B., and Sons Limited.
Protective Coatings Corporation, Des Plaines, Ill. Plastic type paints and coatings, shingle paint coatings, and container linings of phenol-formaldehyde resin solutions. 560,206, June 17; Serial No. 615,500, published Mar. 4, 1952. Class 16.
Protecto Products Co., Inc., Pomona, Calif. Waxed paper. 560,224, June 17; Serial No. 616,923, published Mar. 4, 1952. Class 37.
Publishers' Paper Co., Oregon City, Oreg. Paper towels and bathroom tissue. 560,190, June 17; Serial No. 614,466, published Jan. 29, 1952. Class 37.
Quaker Waxed Products Corporation, assignee: *See*—
Pollock Paper Corporation.
Radelco Manufacturing Co., Cleveland, Ohio. Radio antennae. 560,291, June 17; Serial No. 595,557. Class 21.
Rawlings Manufacturing Company, St. Louis, Mo. Playballs. 560,245, June 17; Serial No. 620,622, published Mar. 18, 1952. Class 22.
Redi-Rice Company: *See*—
Coan, Nicholas C.
Remington Arms Company, Inc.: *See*—
Chamberlin Cartridge & Target Co., The.
Remington Arms Company, Inc., Bridgeport, Conn. Fastening devices. 560,177, June 17; Serial No. 612,354, published Mar. 25, 1952. Class 13.
Republic Paint & Varnish Co., Chicago, Ill. Ready mixed paint enamels. 560,266, June 17; Serial No. 540,897. Class 16.
Researchers Universal, Inc., Sonoma, Calif. Fishing rods. 560,163, June 17; Serial No. 611,533, published Mar. 18, 1952. Class 22.
Reserva-Chek Co.: *See*—
Bach, Loyal M.
Rexall Drug Company: *See*—
United Drug Company.
Rheinische Rohrenwerke Aktiegesellschaft: *See*—
Vereinigte Stahlwerke Aktiengesellschaft.
Rhoads, John H. and L. F. Horvath, Reading, Pa. Combination ramp and chuck used to aid in the mounting of tire chains on automobile wheels. 560,292, June 17; Serial No. 596,627. Class 19.
Riverdale Mfg. Co.: *See*—
Fluegelman-Riverdale, Inc.
Rock-Tred Corporation, Chicago, Ill. Chemically resistant thermoplastic synthetic resinous floor coating material. 560,072, June 17; Serial No. 575,490, published May 29, 1951. Class 16.
Roman Stripe Mills, Inc., Easton, to Rosedale Knitting Company, Reading, Pa. Hosiery. 292,997, renewed Apr. 5, 1952. O. G. June 17. Class 39.
Rosedale Knitting Company: *See*—
Roman Stripe Mills, Inc.
Roseth Corporation, New York and Brooklyn, N. Y. Tar paper. 560,105, June 17; Serial No. 597,100, published Mar. 4, 1952. Class 37.
Rothbart, Sam: *See*—
Juliette Frocks, Inc.
Rubio, Fernando A., Barcelona, Spain. General tonics, codliver oil, laxative medicines, etc. 282,011, renewed Apr. 7, 1951. O. G. June 17. Class 18.
S. E. C. A. Società Esportazione Castagne e Affini, Cuneo, Italy. Fresh and dried chestnuts, and fresh fruits and vegetables. 560,076, June 17; Serial No. 581,030, published Apr. 1, 1952. Class 46.
S. & S. Leather Company, Incorporated, Colchester, Conn. Non-electric hair curlers. 560,103, June 17; Serial No. 595,985, published Feb. 19, 1952. Class 40.
Saul Bros., Atlanta, Ga. Articles of rainwear. 560,106, June 17; Serial No. 598,109, published Mar. 18, 1952. Class 39.
Schenley Distillers, Inc.: *See*—
Stagg, Geo. T., Co., The.
Scheri & Roth, Inc., New York, N. Y., assignor to Scheri & Roth, Inc., by Scheri & Roth, Inc., Cleveland, Ohio. Stringed instruments. 339,379, Oct. 6, 1936. Republished June 17. Class 36.
Schoenburg, Paul P., Salinas, Calif. Fresh vegetables, fresh deciduous fruit. 268,795, Mar. 18, 1930. Republished June 17. Class 46.
Schoenburg, Paul P., Salinas, Calif. Fresh vegetables. 308,603, Dec. 12, 1933. Republished June 17. Class 46.
Schoenburg, Paul P., Salinas, Calif. Fresh vegetables. 371,540, Sept. 26, 1939. Republished June 17. Class 46.
Schoenburg, Paul P., Salinas, Calif. Fresh vegetables, fresh deciduous fruits, fresh citrus fruits. 384,548, Jan. 21, 1941. Republished June 17. Class 46.
Schoneberger & Noble, Inc., to American Beverage Corporation, Brooklyn, N. Y. Nonalcoholic, maltless beverage. 293,635, renewed May 3, 1952. O. G. June 17. Class 45.
Schwahn, A. F., & Sons Co., Eau Claire, Wis. Pickled fish. 560,131, June 17; Serial No. 605,768, published Mar. 18, 1952. Class 46.
Screw Conveyor Corporation, Hammond, Ind. Elevating and conveying apparatus. 560,278–80, June 17; Serial Nos. 563,495–7. Class 23.
Scudder Food Products Inc., Los Angeles, to Scudder Food Products, Inc. Monterey Park, Calif. Potato chips. 290,049, renewed Dec. 22, 1951. O. G. June 17. Class 46.
Sellers Mfg. Co., Saxapahaw, N. C. Yarn. 560,144, June 17; Serial No. 608,129, published Mar. 25, 1952. Class 43.
Sharp & Dohme, Incorporated, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicated antiseptic lozenges. 296,852, renewed Aug. 23, 1952. O. G. June 17. Class 18.
Shell Chemical Corporation, New York, N. Y. Fertilizer distribution service. 560,257, June 17; Serial No. 595,284, published Apr. 1, 1952. Class 106.
Shellabarger Grain Products Company, Decatur, Ill., to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Soy bean flour. 292,610, renewed Mar. 22, 1952. O. G. June 17. Class 46.
Shellabarger Grain Products Company, Decatur, Ill., to Spencer Kellogg and Sons, Inc., Buffalo, N. Y. Soy bean flour. 295,396, renewed June 28, 1952. O. G. June 17. Class 46.
Sheppard, C. E., Company, The, Long Island City, N. Y. Accounting boards. 560,179, June 17; Serial No. 612,517, published Jan. 29, 1952. Class 37.
Shreve & Adams, Inc., New York, N. Y. Ladies' hosiery; misses' hosiery; girls' hosiery and boys' hosiery. 560,235, June 17; Serial No. 618,056, published Mar. 18, 1952. Class 39.
Siekmeier, Edward L., Oak Park, Ill., to E. L. Siekmeier, Monroe, Mich. Periodical publication. 296,277, renewed Aug. 2, 1952. O. G. June 17. Class 38.
Simoniz Company, The, Chicago, Ill. Washing, polishing, cleaning, and dusting cloths. 560,120, June 17; Serial No. 604,272, published Mar. 25, 1952. Class 29.
Simplicity Engineering Company, Durand, Mich. Crushing machines. 292,903, renewed Mar. 29, 1952. O. G. June 17. Class 23.
Smith, Blackstone, doing business as Holly Chemical Co., Los Angeles, to B. T. Babbitt Corp., Vernon, Calif. Cleaning preparation. 294,466, renewed May 31, 1952. O. G. June 17. Class 52.
Smith Victory Corporation, Buffalo, N. Y. Bobbie pins and hair pins. 560,143, June 17; Serial No. 607,454, published Mar. 18, 1952. Class 40.
"Société Anonyme Solex," The, to Societe Solex, Neuilly-sur-Seine (Seine) France. Measuring tools. 296,219, renewed Aug. 2, 1952. O. G. June 17. Class 26.
Société Solex: *See*—
"Société Anonyme Solex," The.
Sodora, Charles, Chicago, Ill. Storage batteries. 560,271, June 17; Serial No. 557,563. Class 21.
Sonco, Inc., Mattapan, Mass. Hypodermic needles. 560,289, June 17; Serial No. 584,781. Class 44.
Southern States Cooperative, Inc., Richmond, Va. Fertilizer. 560,323, June 17; Serial No. 611,247. Class 10.
Springfield Tablet Manufacturing Company, Springfield, Mo. Notebooks and notebook paper. 560,097, June 17; Serial No. 595,168, published Feb. 26, 1952. Class 37.
Stagg, Geo. T., Co., The, Frankfort, Ky., to Schenley Distillers, Inc., New York, N. Y. Whiskey. 292,065, renewed Mar. 1 1952. O. G. June 17. Class 49.
Standard Milling Company: *See*—
Duluth-Superior Milling Company.
Standard Ribbon Co., New York, N. Y. Seam binding. 560,165, June 17; Serial No. 611,863, published Mar. 4, 1952. Class 40.
Standard Romper Co. Inc., New York, N. Y. Boys' suits, creepers, rompers, etc. 294,103, renewed May 17, 1952. O. G. June 17. Class 39.
Stark Packing Corporation: *See*—
Stark & Waddell Packing Corporation.
Stark & Waddell Packing Corporation, to Stark Packing Corporation, Strathmore, Calif. Fresh citrus fruits. 296,625, renewed Aug. 16, 1952. O. G. June 17. Class 46.
Stetson, John B., Company, Philadelphia, Pa. Men's and boys' felt and straw hats and cloth caps, men's silk hats, etc. 294,115, renewed May 17, 1952. O. G. June 17. Class 39.
Stetson, John B., Company, Philadelphia, Pa. Soft and stiff felt hats and caps. 295,388, renewed June 28, 1952. O. G. June 17. Class 39.

Stewart-Warner Corporation, Chicago, Ill. Lubricant receiving fittings. 560,059, June 17; Serial No. 565,147, published Mar. 18, 1952. Class 13.

Stokes, Jos., Rubber Co., to Stokes Molded Products, Inc., Trenton, N. J. Battery containers. 292,024, renewed Mar. 1, 1952. O. G. June 17. Class 21.

Stokes Molded Products, Inc.: *See*—
Stokes, Jos., Rubber Co.

Stokes Molded Products, Inc., Trenton, N. J. Floats for water closet tanks, foot baths, nozzles for watering devices. 560,091, June 17; Serial No. 591,642, published Mar. 18, 1952. Class 13.

Stuart Hall Company, Inc., Kansas City, Mo. Stationery. 560,167, June 17; Serial No. 612,043, published Feb. 26, 1952. Class 37.

Super Flow Solder Co., Inc., Albany, N. Y. Activated, non-corrosive solder. 560,215, June 17; Serial No. 616,064, published Mar. 4, 1952. Class 14.

Swanson, C. A., & Sons, Omaha, Nebr. Canned poultry products. 560,039, June 17; Serial No. 528,036, published Jan. 22, 1952. Class 46.

Swift & Company: *See*—
Swift and Company.

Swift and Company, to Swift & Company, Chicago, Ill. Lard, shortenings, butter, etc. 38,480, re-renewed June 17, 1952. O. G. June 17. Class 46.

Tailored Woman, Inc., The, New York, N. Y. Women's and misses' wearing apparel. 560,124, June 17; Serial No. 604,885, published Mar. 25, 1952. Class 39.

Tennessee Furniture Corporation, by Cavalier Corporation, Chattanooga, Tenn. Electric heaters. 367,934, June 6, 1939. Republished June 17. Class 21.

Texas Food Canners: *See*—
Coan, Nicholas C.

Tokstad, Ingvar, doing business as A/S Normanna Packers Union Ltd., Miami, Fla. Canned fish. 560,079, June 17; Serial No. 586,069, published Feb. 26, 1952. Class 46.

Trenton Milling Company, Trenton, Ill. Wheat flour. 560,052, June 17; Serial No. 557,973, published Mar. 25, 1952. Class 46.

Tucker's, Mrs., Foods, Inc., Sherman, Tex., assignor to Anderson, Clayton & Co., Wilmington, Del. Fresh milk, cream, cheese, etc. 560,203, June 17; Serial No. 615,422, published Feb. 26, 1952. Class 46.

Uarco Incorporated, Chicago, Ill. Manifold forms. 560,175, June 17; Serial No. 612,224, published Feb. 26, 1952. Class 37.

United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Medicinal preparation. 293,421, renewed Apr. 19, 1952. O. G. June 17. Class 18.

United Merchants and Manufacturers, Inc.: *See*—
Cohn-Hall-Marx Co.

United Merchants and Manufacturers, Inc., New York, N. Y. Piece goods. 560,156, June 17; Serial No. 610,503, published Mar. 25, 1952. Class 42.

United States Steel Company, Pittsburgh, Pa. Metal rails and splice bars. 560,231, June 17; Serial No. 617,737, published Mar. 4, 1952. Class 14.

Universal Paint & Varnish Company, Huntington Park, Calif. Protective floor coating. 560,090, June 17; Serial No. 590,627, published Mar. 4, 1952. Class 16.

Urantia Foundation, Chicago, Ill. Religious educational services. 560,261, June 17; Serial No. 613,856, published Mar. 25, 1952. Class 107.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Paint enamels, stains, and varnishes. 296,887, renewed Aug. 23, 1952. O. G. June 17. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Valley-Maid Packing Co. Inc., Phoenixville, Pa. Cheese and cracker sandwiches. 560,185, June 17; Serial No. 613,538, published Mar. 18, 1952. Class 46.

Valmet Oy-Valmet Ab, Helsinki, Finland. Shotguns, small bore rifles, etc. 560,166, June 17; Serial No. 611,924, published Mar. 4, 1952. Class 9.

Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf to Rheinische Rohrenwerke Aktiengesellschaft, Mulheim/Ruhr, Germany. Iron, steel and their alloys. 291,813, renewed Feb. 23, 1952. O. G. June 17. Class 14.

Vincel, Chas. E., Pontiac Co., Inc., St. Louis, Mo. Service, repair, maintenance and towing of automobiles and installation of repair parts. 560,255, June 17; Serial No. 589,929, published Apr. 1, 1952. Class 103.

Virol, Limited, London, England. Red bone marrow and malt extract. 37,976, Mar. 25, 1902. Republished June 17. Class 46.

Visking Corporation, The, Chicago, Ill. Tubings, casings and bags. 560,081, June 17; Serial No. 587,135, published Mar. 11, 1952. Class 2.

Visking Corporation, The, Richmond, Va., and Chicago, Ill. Plastic film and sheets for use as wrapping and packaging material. 560,213, June 17; Serial No. 615,956, published Feb. 12, 1952. Class 37.

WJW, Inc., Cleveland, Ohio. Radio program broadcasting services. 560,256, June 17; Serial No. 594,086, published Apr. 1, 1952. Class 104.

Warren Knitting Mills, Inc., New York, N. Y. Hosiery. 560,189, June 17; Serial No. 614,415, published Mar. 18, 1952. Class 39.

Washington Farms Corp., Davisboro, Ga. Fresh peaches. 560,281, June 17; Serial No. 563,957. Class 46.

Washington Steel Products, Inc., Tacoma, Wash. Metal drawers. 560,193, June 17; Serial No. 614,592, published Apr. 1, 1952. Class 32.

Wasserman, Kurt J., doing business as Empire State Specialty Co., New York, N. Y. Stain remover. 560,321, June 17; Serial No. 609,427. Class 52.

Wee Pants, Inc., New York, N. Y. Baby panties, baby bloomers, creepers. 560,154, June 17; Serial No. 609,428, published Mar. 18, 1952. Class 39.

Welland, Jerome G., Evanston, Ill. Combined holders and coaster supports. 560,307, June 17; Serial No. 591,820. Class 2.

Weiner, Martin, Corp., New York, N. Y., and Clifton, N. J. Textile fabrics. 560,164, June 17; Serial No. 611,732, published Apr. 1, 1952. Class 42.

Well Equipment Mfg. Corp., Houston, Tex. Pipe unions. 560,063, June 17; Serial No. 568,225, published Mar. 18, 1952. Class 13.

Wesco Waterpaints, Inc., Berkeley, Calif. Waterpaints. 560,273, June 17; Serial No. 557,804. Class 16.

Western Tablet & Stationery Corporation, Dayton, Ohio. Correspondence and mailing envelopes. 444,695, June 17; Serial No. 526,013, published Feb. 26, 1952. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. 444,696, June 17; Serial No. 526,027, published Mar. 18, 1952. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. 444,697, June 17; Serial No. 526,048, published Feb. 12, 1952. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, loose writing paper, etc. 560,038, June 17; Serial No. 526,072, published Feb. 26, 1952. Class 37.

Westminster Recording Co., Inc., New York, N. Y. Grooved phonograph records. 560,293, June 17; Serial No. 600,636. Class 36.

Weston, Byron, Company, Dalton, Mass. Writing-paper. 86,276, re-renewed Apr. 30, 1952. O. G. June 17. Class 37.

Weston, Byron, Company, Dalton, Mass. Writing paper. 560,071, June 17; Serial No. 574,070, published Feb. 26, 1952. Class 37.

West Virginia Pulp and Paper Company, New York, N. Y. Printing paper. 560,054, June 17; Serial No. 559,391, published Feb. 26, 1952. Class 37.

Wexler Printing Co., Minneapolis, Minn. Partially printed receipt books. 560,169, June 17; Serial No. 612,146, published Feb. 26, 1952. Class 37.

White Sail Tissue Mills: *See*—
Peavey Paper Mills.

White & Wyckoff Mfg. Co.: *See*—
White & Wyckoff Mfg. Company.

White & Wyckoff Mfg. Company, Holyoke and Riverside, to White & Wyckoff Mfg. Co., Holyoke, Mass. Writing and printing paper, mailing envelopes, etc. 293,679, renewed May 3, 1952. O. G. June 17. Class 37.

White & Wyckoff Mfg. Company, Holyoke and Riverside, to White & Wyckoff Mfg. Co., Holyoke, Mass. Writing and printing paper and papeteries. 296,025, renewed July 19, 1952. O. G. June 17. Class 37.

Whittall, M. J., Associates, Inc., Worcester, Mass. Textile carpets and rugs. 560,150, June 17; Serial No. 609,016, published Apr. 1, 1952. Class 42.

Whittall, M. J., Associates, Inc., Worcester, Mass. Textile carpets and rugs. 560,152, June 17; Serial No. 609,154, published Apr. 1, 1952. Class 42.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating units, and stoves and heaters. 296,008, renewed July 19, 1952. O. G. June 17. Class 21.

Wilckes, Martin, Wilckes Company, New York, N. Y., to Monsanto Chemical Company, St. Louis, Mo. Lamp black and carbon gas black. 292,096, renewed Mar. 1, 1952. O. G. June 17. Class 6.

Willis, W. P., & Co., Inc., New York, N. Y. Worsted suitings. 560,248, June 17; Serial No. 620,762, published Mar. 25, 1952. Class 42.

Willson Products, Inc., Reading, Pa. Eyeglasses. 560,080, June 17; Serial No. 586,508, published Mar. 4, 1952. Class 26.

Young, B., & Company Limited, London, England. Food gelatine. 560,073, June 17; Serial No. 577,838, published Mar. 18, 1952. Class 46.

Zimmerman Apparel Shop, Inc., Wilkes-Barre, Pa. Dresses, coats, suits, etc. 290,300, renewed Dec. 29, 1951. O. G. June 17. Class 39.

Ziv, Frederic W., Company, Cincinnati, Ohio. Bread. 560,272, June 17; Serial No. 577,575. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Calfskin and cowhide. A. C. Lawrence Leather Co. 87,776, re-renewed Aug. 6, 1952. O. G. June 17.

CLASS 2

Combined holders and coaster supports. J. G. Welland. 560,307, June 17; Serial No. 591,820.

Containers, Envelope-like sealed. Ivers-Lee Company. 560,041, June 17; Serial No. 530,206, published Mar. 18, 1952.

Containers, Wood. The Mengel Company. 560,268, June 17; Serial No. 545,588.

Enameled kitchen utensils, aluminum kitchen utensils, etc. The Cussins and Fearn Company. 560,048, June 17; Serial No. 551,773, published Mar. 25, 1952.

Pails, Ice cream. Bloomer Bros. Company. 295,531, renewed July 5, 1952. O. G. June 17.

Receptacles, Food handling and serving. Kayware Corporation. 560,288, June 17; Serial No. 584,007.

Tubings, casings and bags. The Visking Corporation. 560,081, June 17; Serial No. 587,135, published Mar. 11, 1952.

CLASS 4

Polishes, Automobile. Bernard J. Ellis, Limited. 560,061, June 17; Serial No. 566,575, published Mar. 18, 1952.

CLASS 6

Food colors, perfume raw materials, perfume oil concentrates, natural floral isolates, and synthetic organic chemicals. Florasynth Laboratories, Inc. 344,945, Apr. 13, 1937. Republished June 17.

Lamp black and carbon gas black. Martin Wilckes Company. 292,096, renewed Mar. 1, 1952. O. G. June 17.

Leather and saddle soap. B. Beddow and Sons Limited. 292,456, Mar. 15, 1932. Republished June 17.

Materials and solutions for treating printing plates. American Multigraph Co. 294,844–5, renewed June 7, 1952. O. G. June 17.

CLASS 9

Holsters and cartridge carriers. Brauer Bros. Mfg. Co. 560,223, June 17; Serial No. 616,813, published Mar. 25, 1952.

Military smokeless powder. E. I. du Pont de Nemours and Company. 295,517, renewed July 5, 1952. O. G. June 17.

Shotguns, small bore rifles, etc. Valmet Oy-Valmet Ab. 560,166, June 17; Serial No. 611,924, published Mar. 4, 1952.

CLASS 10

Cultures of beneficial soil bacteria. Earp-Thomas Farmogerm Company. 85,332, re-renewed Feb. 13, 1952. O. G. June 17.

Fertilizer. Southern States Cooperative, Inc. 560,323, June 17; Serial No. 611,247.

Plantfood. Atkins & Durbrow, Inc. 560,155, June 17; Serial No. 609,429, published Mar. 11, 1952.

CLASS 11

Carbon black. Godfrey L. Cabot, Inc. 560,178, June 17; Serial No. 612,384, published Mar. 25, 1952.

CLASS 12

Awnings, Permanent type. Cool-Temp Awning Company of Kansas, Inc. 560,322, June 17; Serial No. 609,537.

Awnings, Ventilated metal. Nu-Vent Awning, Inc. 560,329, June 17; Serial No. 613,729.

Plaster. The Best Brothers Keene's Cement Company. 292,385, renewed Mar. 15, 1952. O. G. June 17.

Putty-like material. Eutectic Welding Alloys Corporation. 560,312, June 17; Serial No. 603,915.

Weather-strips. Chamberlain Metal Weather Strip Co. 86,784, re-renewed June 4, 1952. O. G. June 17.

CLASS 13

Bolts. Hubbard and Company. 560,058, June 17; Serial No. 564,624, published Mar. 18, 1952.

Condenser tubes and ferrules. National Electric Products Corporation. 295,565, renewed July 5, 1952. O. G. June 17.

Fastening devices. Remington Arms Company, Inc. 560,177, June 17; Serial No. 612,354, published Mar. 25, 1952.

Floats for water closet tanks, foot baths, nozzles for watering devices. Stokes Molded Products, Inc. 560,091, June 17; Serial No. 591,642, published Mar. 18, 1952.

Gas pressure regulators. American Meter Company. 560,066, June 17; Serial No. 571,065, published Mar. 25, 1952.

Lubricant receiving fittings. Stewart-Warner Corporation. 560,059, June 17; Serial No. 565,147, published Mar. 18, 1952.

Metal farm gates. W. W. Goode. 560,108, June 17; Serial No. 598,250, published Mar. 18, 1952.

Metal insect screening. Keystone Wire Cloth Company. 560,240–1, June 17; Serial Nos. 619,024–5, published Mar. 18, 1952.

Metal inserts, metal clothes posts, floor traps, etc. The Donley Brothers Company. 560,065, June 17; Serial No. 568,593, published Mar. 18, 1952.

Metal tracks, Adjustable. A. C. Hamill. 560,114, June 17; Serial No. 602,259, published Mar. 25, 1952.

Nails, drive screws, screws, drive pins, etc. Parker-Kalon Corporation. 296,996, renewed Aug. 30, 1952. O. G. June 17.

Pipe unions. Well Equipment Mfg. Corp. 560,063, June 17; Serial No. 568,225, published Mar. 18, 1952.

Puzzle key chains. Lional Plastics Corporation. 560,094, June 17; Serial No. 592,642, published Mar. 18, 1952.

Valves. Cameron Iron Works, Inc. 560,168, June 17; Serial No. 612,120, published Dec. 11, 1951.

Valves, Hand-operated, whistle valves, pressure-reducing valves, etc. Leslie Co. 560,044, June 17; Serial No. 537,597, published Mar. 25, 1952.

Wire cloth. Keystone Wire Cloth Company. 560,214, June 17; Serial No. 616,036, published Mar. 25, 1952.

CLASS 14

Die steel. Latrobe Electric Steel Company. 560,070, June 17; Serial No. 573,781, published Mar. 25, 1952.

Foundry chaplets. The Canton Chaplet and Manufacturing Company. 560,121, June 17; Serial No. 604,466, published Mar. 4, 1952.

Foundry chaplets. The Canton Chaplet and Manufacturing Company. 560,122, June 17; Serial No. 604,470, published Mar. 4, 1952.

Iron, steel and their alloys. Vereinigte Stahlwerke Aktiengesellschaft. 291,813, renewed Feb. 23, 1952. O. G. June 17.

Metal rails and splice bars. United States Steel Company. 560,231, June 17; Serial No. 617,737, published Mar. 4, 1952.

Metal stock, Ground flat. The Capewell Manufacturing Company. 560,184, June 17; Serial No. 613,501, published Mar. 4, 1952.

Solder, Activated, non-corrosive. Super Flow Solder Co., Inc. 560,215, June 17; Serial No. 616,064, published Mar. 4, 1952.

Steel. The Carpenter Steel Company. 560,104, June 17; Serial No. 596,013, published Mar. 25, 1952.

Storage battery grid alloy. The Electric Storage Battery Company. 560,243, June 17; Serial No. 620,031, published Mar. 4, 1952.

Tarnish and corrosion resisting metal alloy. Krementz & Company. 296,814 renewed Aug. 23, 1952. O. G. June 17.

CLASS 15

Cutting fluids for machining operations. Penn-Petroleum Corp. 560,294, June 17; Serial No. 601,373.

CLASS 16

Coating material, Chemically resistant thermoplastic synthetic resinous floor. Rock-Tred Corporation. 560,072, June 17; Serial No. 575,490, published May 29, 1951.

Coating preparation, Acidproof and anticorrosive rubber base. The Atlas Mineral Products Company of Pennsylvania. 560,075, June 17; Serial No. 580,179, published Mar. 4, 1952.

Coating, Protective floor. Universal Paint & Varnish Company. 560,090, June 17; Serial No. 590,627, published Mar. 4, 1952.

Paint. Patek Brothers, Inc. 560,265, June 17; Serial No. 536,436.

Paint enamels, Ready mixed. Republic Paint & Varnish Co. 560,266, June 17; Serial No. 540,897.

Paint enamels, stains, and varnishes. Valentine & Company. 296,887, renewed Aug. 23, 1952. O. G. June 17.

Paint, Water-proof. C. R. Grems. 560,325, June 17; Serial No. 611,518.

Paints and coatings, Plastic type, shingle paint coatings, and container linings of phenol-formaldehyde resin solutions. Protective Coatings Corporation. 560,206, June 17; Serial No. 615,500, published Mar. 4, 1952.

Waterpaints, Wesco Waterpaints, Inc. 560,273, June 17; Serial No. 557,804.

CLASS 18

Liquid substitute for court-plaster. Newskin Company. 86,440, re-renewed May 7, 1952. O. G. June 17.

Medicated antiseptic lozenges. Sharp & Dohme, Incorporated. 296,852, renewed Aug. 23, 1952. O. G. June 17.

Medicinal preparation. Hibdon Brothers Medicine Co. 554,420, Feb. 5, 1952. Corrected. O. G. June 17.

Medicinal preparation. United Drug Company. 293,421, renewed Apr. 19, 1952. O. G. June 17.

Personal deodorants for internal use. Makers of Kal, Inc. 560,330, June 17; Serial No. 613,937.

Salve ointment. A. Obrock. 273,479, renewed Aug. 5, 1950. O. G. June 17.
Spray composed of iodine in oil and an iodine ointment. Oleide Products Company. 290,190, renewed Dec. 22, 1951. O. G. June 17.
Tonics, General, codliver oil, laxative medicines, etc. F. A. Rubio. 282,011, renewed Apr. 7, 1951. O. G. June 17.
Vaginal antiseptic. Di-Fram-ette, Inc. 560,301, June 17; Serial No. 589,585.

CLASS 19

Aircraft rotor blades. Parsons Industries, Inc. 560,274, June 17; Serial No. 558,063.
Automobiles, New and used passenger, and motor vehicle trucks. D. Allen. 560,298, June 17; Serial No. 586,779.
Combination ramp and chuck used to aid in the mounting of tire chains on automobile wheels. J. H. Rhoads and L. F. Horvath. 560,292, June 17; Serial No. 596,627.
Wheel-barrows. Northwest Metal Products, Inc. 560,297, June 17; Serial No. 585,678.

CLASS 21

Antennae, Radio. Radelco Manufacturing Co. 560,291, June 17; Serial No. 595,557.
Battery containers. Jos. Stokes Rubber Co. 292,024, renewed Mar. 1, 1952. O. G. June 17.
Heaters, Electric. Tennessee Furniture Corporation. 367,934, June 6, 1939. Republished June 17.
Heating units, Electric, and stoves and heaters. Edwin L. Wiegand Company. 296,008, renewed July 19, 1952. O. G. June 17.
Lamp sockets, Electric, and Christmas tree lighting outfits. Noma Electric Corporation. 294,411, renewed May 24, 1952. O. G. June 17.
Lamps, Fluorescent, and fluorescent lamp fixtures. Duro-Test Corporation. 560,282, June 17; Serial No. 569,748.
Metallic wire and strips. Driver-Harris Company. 294,306, renewed May 24, 1952. O. G. June 17.
Mirror and flashlight, Combination. C. R. Bowland. 560,286, June 17; Serial No. 577,423.
Plastic hook adapted to lie between the ear and head of a human being and hold an earphone adjacent the person's ear. The Brush Development Company. 560,302, June 17; Serial No. 589,765.
Radio receiving sets, Coin-operated. The Dahlberg Company. 560,332, June 17; Serial No. 619,456.
Radio receiving sets, electric fans and phonographs. Global Watch Company, Inc. 560,181, June 17; Serial No. 612,655, published Mar. 4, 1952.
Reels on which are wound cables for carrying electric current, etc. G. Alfano. 560,306, June 17; Serial No. 591,760.
Spark plugs. Bowers Battery and Spark Plug Co. 560,309, June 17; Serial No. 592,413.
Storage batteries. C. Sodora. 560,271, June 17; Serial No. 557,563.

CLASS 22

Artificial fish lures. K. R. Larson. 560,069, June 17; Serial No. 572,907, published Mar. 18, 1952.
Artificial fish lures. J. Makert. 560,296, June 17; Serial No. 603,121.
Clay pigeons. The Chamberlin Cartridge & Target Co. 295,976, renewed July 19, 1952. O. G. June 17.
Fishing lure. P. H. Carroll. 560,315, June 17; Serial No. 604,955.
Fishing reel, Hand-held. The Handicast Company. 560,287, June 17; Serial No. 578,449.
Fishing rods. Researchers Universal, Inc. 560,163, June 17; Serial No. 611,533, published Mar. 18, 1952.
Frangible targets. Packaged Products Corporation. 560,116, June 17; Serial No. 603,248, published Mar. 18, 1952.
Miniature three-dimensional soldiers, figures, models, etc. E. B. Miller Associates, Inc. 560,242, June 17; Serial No. 619,976, published Mar. 18, 1952.
Playballs. Rawlings Manufacturing Company. 560,245, June 17; Serial No. 620,622, published Mar. 18, 1952.
Strings for tennis rackets, squash rackets, badminton rackets, etc. Ashaway Line & Twine Mfg. Co. 560,303, June 17; Serial No. 590,215.
Toy set. L. Emerick. 560,244, June 17; Serial No. 620,095, published Mar. 18, 1952.

CLASS 23

Blow tube used in mold making to convey sand from a core blowing machine to a core box. E. F. Peterson. 560,290, June 17; Serial No. 584,993.
Crushing machines. Simplicity Engineering Company. 292,903, renewed Mar. 29, 1952. O. G. June 17.
Elevating and conveying apparatus. Screw Conveyor Corporation. 560,278–80, June 17; Serial Nos. 563,495–7.
Fire extinguishers, Hand. The Miro-Flex Company, Inc. 560,317, June 17; Serial No. 606,158.
Hand stamps and parts thereof. L. Melind Company. 560,327, June 17; Serial No. 612,747.
Knives, Annular. Fortuna Machine Company. 86,798, re-renewed June 4, 1952. O. G. June 17.
Sand blasting machinery, rod straightening and shearing machinery, etc. The American Foundry Equipment Company. 293,398, renewed Apr. 19, 1952. O. G. June 17.

CLASS 26

Apparatus for remote indication of temperature or pressure. American Machine and Metals, Inc. 560,146, June 17; Serial No. 608,586, published Mar. 18, 1952.
Apparatus used in connection with the servicing of automobiles. The Case History. 560,077, June 17; Serial No. 581,404, published Mar. 4, 1952.
Eyeglasses. Willson Products, Inc. 560,080, June 17; Serial No. 586,508, published Mar. 4, 1952.
Gages, Dimension, internal and external dimension comparators, etc. Niles-Bement-Pond Company. 560,212, June 17; Serial No. 615,848, published Feb. 26, 1952.
Gauges, Measuring, apparatus, instruments, and accessories. Coventry Gauge & Tool Company Limited. 560,112, June 17; Serial No. 601,126, published Feb. 26, 1952.
Grade indicator levels for use on tractors, bulldozers, graders, etc. F. W. Heckert Company, Inc. 560,285, June 17; Serial No. 576,493.
Lenses, Contact. Mueller-Welt Contact Lenses, Inc. 560,158, June 17; Serial No. 610,755, published Mar. 18, 1952.
Measuring instruments, Electrical. Marion Electrical Instrument Company. 560,111, June 17; Serial No. 600,296, published Mar. 18, 1952.
Measuring tools. The "Société Anonyme Solex." 296,219, renewed Aug. 2, 1952. O. G. June 17.
Sensitized black print cloth. Keuffel & Esser Company. 293,308, renewed Apr. 19, 1952. O. G. June 17.
View finders. Paillard Products, Inc. 560,153, June 17; Serial No. 609,252, published Feb. 26, 1952.
Weighing machines. Pneumatic Scale Corporation, Limited. 560,127, June 17; Serial No. 605,050, published Mar. 18, 1952.

CLASS 27

Clocks. The Herschede Hall Clock Co. 560,334, June 17; Serial No. 628,206.
Watches, and watch movements. Helbros Watch Company, Inc. 560,283, June 17; Serial No. 570,559.

CLASS 28

Collar buttons, cuff buttons, cuff links, etc. Krementz & Company. 296,618, renewed Aug. 16, 1952. O. G. June 17.
Jewelry, Costume. E. A. Buck. 560,328, June 17; Serial No. 613,496.
Pins, Fraternity, badges, rings, etc. Kappa Alpha Theta. 292,053, renewed Mar. 1, 1952. O. G. June 17.

CLASS 29

Brooms. National Broom Manufacturing Company. 296,071, renewed July 19, 1952. O. G. June 17.
Washing, polishing, cleaning, and dusting cloths. The Simoniz Company. 560,120, June 17; Serial No. 604,272, published Mar. 25, 1952.

CLASS 32

Bed springs, crib springs, covered box springs, etc. Darling Carriage Co., Inc. 560,115, June 17; Serial No. 602,933, published Apr. 1, 1952.
Bedding, particularly mattresses. The Dodge-Dickinson Co. 560,275, June 17; Serial No. 558,111.
Cabinets, Metal, and counter tops. Jamestown Metal Products, Inc. 560,326, June 17; Serial No. 612,499.
Chairs and sofas, Upholstered. J. L. Chase Company. 560,053, June 17; Serial No. 558,778, published Apr. 1, 1952.
Dinette sets. Boston Table Mfg. Co., Inc. 560,216, June 17; Serial No. 616,274, published Mar. 25, 1952.
Dinette sets. National Chair Co. 560,117, June 17; Serial No. 603,848, published Apr. 1, 1952.
Disappearing typewriter platforms. All-Steel Equipment Inc. 560,225, June 17; Serial No. 617,005, published Mar. 11, 1952.
Drawers, Metal. Washington Steel Products, Inc. 560,193, June 17; Serial No. 614,592, published Apr. 1, 1952.
Furniture, Household. Jamestown Lounge Company. 560,055, June 17; Serial No. 559,613, published Apr. 1, 1952.
Furniture, Household. Penron, Inc. 560,196, June 17; Serial No. 614,784, published Apr. 1, 1952.
Furniture, Household groups of. Mueller Furniture Co. 560,227, June 17; Serial No. 617,157, published Mar. 25, 1952.
Hassocks. B. T. Crump Company, Inc. 560,310, June 17; Serial No. 594,524.
Kitchen equipment, Custom-built. Coppes, Inc. 560,140, June 17; Serial No. 607,007, published Apr. 1, 1952.
Mattresses, bed box springs, and pillows. Dixie Cotton Felt Mattress Company. 85,420, Feb. 20, 1912. Republished June 17.
Padding for seat cushions and mattresses. Burton-Dixie Corporation. 291,466, Feb. 9, 1932. Republished June 17, 1952.

CLASS 35

Brake lining. L. J. Miley Company. 295,081, renewed June 14, 1952. O. G. June 17.

CLASS 36

Phonograph records, grooved. Westminster Recording Co., Inc. 560,293, June 17; Serial No. 600,636.
Sound recording and reproducing apparatus. Thomas A. Edison Incorporated. 295,966, renewed July 17, 1952. O. G. June 17.
Sound recording and reproducing apparatus and equipment. Thomas A. Edison, Incorporated. 295,886, renewed July 19, 1952. O. G. June 17.
Stringed instruments. Scherl & Roth, Inc. 339,379, Oct. 6, 1936. Republished June 17.

CLASS 37

Accounting boards. The C. E. Sheppard Company. 560,179, June 17; Serial No. 612,517, published Jan. 29, 1952.
Banknotes, checks, drafts, etc. Dennison & Sons. 296,466, renewed Aug. 9, 1952. O. G. June 17.
Blank and partially printed gummed labels. Oxford Filing Supply Co., Inc. 560,086, June 17; Serial No. 589,468, published Mar. 18, 1952.
Check form and correspondence envelope. L. M. Bach. 560,095, June 17; Serial No. 593,905, published Feb. 26, 1952.
Composition books, notebooks, and looseleaf binders. S. H. Kress and Company. 560,110, June 17; Serial No. 599,440, published Mar. 18, 1952.
Crayons. Binney & Smith Company. 560,159–60, June 17; Serial Nos. 610,951–2, published Feb. 12, 1952.
Crayons, Blackboard. J. Hershkowitz, Inc. 560,295, June 17; Serial No. 601,910.
Envelopes, Correspondence and mailing. Western Tablet & Stationery Corporation. 444,695, June 17; Serial No. 526,013, published Feb. 26, 1952.
Envelopes, Mailing. Mail-Well Envelope Company. 560,126, June 17; Serial No. 604,980, published Feb. 26, 1952.
Facial tissue, household paper towels, and bathroom tissue. American Stores Company. 560,088, June 17; Serial No. 590,060, published Mar. 18, 1952.
Facial tissues. P. N. Lewis. 560,068, June 17; Serial No. 572,256, published Feb. 12, 1952.
Fluids for use in correcting stencils, stencils, and styluses. Polychrome Corporation. 560,078, June 17; Serial No. 584,249, published Jan. 29, 1952.
Heat-sensitive cellulosic sheet material. Minnesota Mining & Manufacturing Company. 560,098, June 17; Serial No. 595,388, published Mar. 4, 1952.
Letterheads, brochures, instruction manuals, mailing envelopes, etc. L. Fisher. 560,099, June 17; Serial No. 595,718, published Feb. 26, 1952.
Manifold forms. Uarco Incorporated. 560,175, June 17; Serial No. 612,224, published Feb. 26, 1952.
Materials for use in wrapping gifts. The Lees Textile Company. 560,049, June 17; Serial No. 551,983, published Mar. 4, 1952.
Notebooks and notebook paper. Springfield Tablet Manufacturing Company. 560,097, June 17; Serial No. 595,168, published Feb. 26, 1952.
Paper and cloth, Tracing, and drawing paper. Nobena Products Corporation. 560,142, June 17; Serial No. 607,183, published Mar. 18, 1952.
Paper and paper products. Hooper Paper & Twine Co., Inc. 560,107, June 17, 1952. Serial No. 598,183, published Feb. 26, 1952.
Paper and paper products. Port Huron Sulphite & Paper Co. 560,042, June 17; Serial No. 531,839, published Jan. 29, 1952.
Paperboard. The Gardner Board and Carton Co. 560,162, June 17; Serial No. 611,350, published Feb. 26, 1952.
Paper, Coated, and embossed paper. Narragansett Coated Paper Corporation. 560,139, June 17; Serial No. 606,718, published Mar. 18, 1952.
Paper, Coated printing. Oxford Paper Company. 560,062, June 17; Serial No. 567,533, published Feb. 26, 1952.
Paper, Copy. Old Town Ribbon & Carbon Co., Inc. 560,043, June 17; Serial No. 535,737, published Feb. 12, 1952.
Paper, Envelope container, and wrapping. Minnesota and Ontario Paper Company. 560,171–4, June 17; Serial Nos. 612,213–16, published Feb. 26, 1952.
Paper, Groundwood printing. International Paper Company. 560,161, June 17; Serial No. 611,029, published Jan. 29, 1952.
Paper illustration board. Bienfang Products Corporation. 560,204, June 17; Serial No. 615,437, published Mar. 25, 1952.
Paper, Loose writing. Western Tablet & Stationery Corporation. 446,696, June 17; Serial No. 526,027, published Mar. 18, 1952.
Paper, Loose writing. Western Tablet & Stationery Corporation. 444,697, June 17; Serial No. 526,048, published Feb. 12, 1952.
Paper napkins, Embossed folded. Hoffmaster Paper Company, Inc. 560,299, June 17; Serial No. 588,954.
Paper, Printing. West Virginia Pulp and Paper Company. 560,054, June 17; Serial No. 559,391, published Feb. 26, 1952.
Paper, Starch coated book. Atlantic Paper Company. 560,109, June 17; Serial No. 599,074, published Mar. 18, 1952.
Paper tablets, loose writing paper, etc. Western Tablet & Stationery Corporation. 560,038, June 17; Serial No. 526,072, published Feb. 26, 1952.
Paper tapes, Perforatable, and copy paper. Commercial Controls Corporation. 560,096, June 17; Serial No. 594,952, published Mar. 18, 1952.
Paper, Tar. Roseth Corporation. 560,105. June 17; Serial No. 597,100, published Mar. 4, 1952.
Paper, Tissue. L. Lacroix Fils (London) Ltd. 560,209, June 17; Serial No. 615,783, published Feb. 12, 1952.
Paper towels and bathroom tissue. Publishers' Paper Co. 560,190, June 17; Serial No. 614,466, published Jan. 29, 1952.
Paper, Wall. Isgo Wall Paper Corporation. 560,198, June 17; Serial No. 615,068, published Mar. 18, 1952.
Paper, Wall. Isgo Wall Paper Corporation. 560,199, June 17; Serial No. 615,069, published Feb. 12, 1952.
Paper, Wax. The Crystal Tissue Company. 560,226, June 17; Serial No. 617,014, published Mar. 4, 1952.
Paper, Waxed. Pollock Paper Corporation. 560,311, June 17; Serial No. 593,640.
Paper, Waxed. Protecto Products Co., Inc. 560,224, June 17; Serial No. 616,923, published Mar. 4, 1952.
Paper, Writing. Byron Weston Company. 560,071, June 17; Serial No. 574,070, published Feb. 26, 1952.
Paper, Writing and printing, and papeteries. White & Wyckoff Mfg. Company. 296,025, renewed July 19, 1952. O. G. June 17.
Paper, Writing and printing, mailing envelopes, etc. White & Wyckoff Mfg. Company. 293,679, renewed May 3, 1952. O. G. June 17.
Paper, Writing, printing, wrapping, label and packaging. Minnesota and Ontario Paper Company. 560,188, June 17; Serial No. 614,158, published Feb. 26, 1952.
Papers, Drawing. Keuffel & Esser Company. 560,133, June 17; Serial No. 605,801, published Feb. 26, 1952.
Papers, Drawing and tracing. Keuffel & Esser Company. 560,132, June 17; Serial No. 605,799, published Feb. 26, 1952.
Papers, Kraft. Brown Company. 560,202, June 17; Serial No. 615,152, published Feb. 12, 1952.
Partially printed checks. Credo-Chek System, Inc. 560,129, June 17; Serial No. 605,548, published Dec. 4, 1951.
Partially printed forms. American Bottlers of Carbonated Beverages. 560,176, June 17; Serial No. 612,235, published Mar. 18, 1952.
Partially printed receipt books. Wexler Printing Co. 560,169, June 17; Serial No. 612,146, published Feb. 26, 1952.
Partially printed record books. Fastex, Incorporated. 560,113, June 17; Serial No. 601,987, published Feb. 26, 1952.
Partially printed reference charts. M. H. La Mar. 560,100, June 17; Serial No. 595,726, published Mar. 18, 1952.
Pens, Fountain, mechanical pencils, pen desk sets, etc. The Parker Pen Company. 560,187, June 17; Serial No. 613,822, published Mar. 4, 1952.
Plastic film and sheets for use as wrapping and packaging material. The Visking Corporation. 560,213, June 17; Serial No. 615,956, published Feb. 12, 1952.
Series of fountain pens and ink well combinations and paper pads. The Esterbrook Pen Company. 560,092, June 17; Serial No. 592,138, published Feb. 26, 1952.
Stationery. The McBee Company. 560,045, June 17; Serial No. 543,621, published Feb. 26, 1952.
Stationery. Stuart Hall Company, Inc. 560,167, June 17; Serial No. 612,043, published Feb. 26, 1952.
Stencil sheets. A. B. Dick Company. 560,232, June 17; Serial No. 617,787, published Mar. 11, 1952.
Stencil sheets. Profilm Company, Inc. 560,102, June 17; Serial No. 595,980, published Mar. 18, 1952.
Toilet tissue. Crown Zellerbach Corporation. 560,157, June 17; Serial No. 610,513, published Feb. 26, 1952.
Toilet tissue. Peavey Paper Mills. 560,305, June 17; Serial No. 591,102.
Writing-paper. Byron Weston Company. 86,276, re-renewed Apr. 30, 1952. O. G. June 17.

CLASS 38

Journal, Agricultural. Curtis Publishing Company. 84,728, re-renewed Jan. 2, 1952. O. G. June 17.
Periodical, Monthly. The Bike Web Company. 427,293, Feb. 4, 1947. Republished June 17.
Publication, Periodical. Pepperell Manufacturing Company. 297,052, renewed Aug. 30, 1952. O. G. June 17.
Publication, Periodical. E. L. Siekmeier. 296,277, renewed Aug. 2, 1952. O. G. June 17.

CLASS 39

Boots and shoes. Endicott Johnson Corporation. 294,152, renewed May 17, 1952. O. G. June 17.
Boots and shoes. International Shoe Company. 444,694, June 17; Serial No. 518,606, published Oct. 7, 1947.
Brassières. Lilyette Brassiere Co. Inc. 560,234, June 17; Serial No. 617,964, published Mar. 25, 1952.
Brassières. Maiden Form Brassiere Co., Inc. 560,333, June 17; Serial No. 621,832.
Brassières, bathing suits and slips. Ruth Merzon Fifth Avenue, Inc. 560,210, June 17; Serial No. 615,843, published Mar. 25, 1952.

Coats, Women's and children's cloth and fur. The H. Harris Company. 292,975, renewed Apr. 5, 1952. O. G. June 17.
Dresses, coats, suits, etc. Zimmerman Apparel Shop, Inc. 290,300, renewed Dec. 29, 1951. O. G. June 17.
Dresses, Ladies'. Juliette Frocks, Inc. 560,037, June 17; Serial No. 456,929, published Mar. 25, 1952.
Girdles, foundation garments, garter belts, etc., Ladies' and misses'. D. Levitt. 560,237, June 17; Serial No. 618,170, published Mar. 25, 1952.
Gloves, Fabric. Louis Meyers & Son, Inc. 560,233, June 17; Serial No. 617,806, published Mar. 25, 1952.
Gloves, Fabric and leather. Louis Meyers & Son, Inc. 560,230, June 17; Serial No. 617,547, published Mar. 18, 1952.
Gloves, Household and work. Edmont Manufacturing Company. 560,239, June 17; Serial No. 618,291, published Mar. 25, 1952.
Gloves, Misses' and ladies' fabric. R. H. Harms. 560,219, June 17; Serial No. 616,426, published Mar. 25, 1952.
Hats and caps, Soft and stiff felt. John B. Stetson Company. 295,388, renewed June 28, 1952. O. G. June 17.
Hats and cloth caps, Men's and boys' felt and straw, men's silk hats, etc. John B. Stetson Company. 294,115, renewed May 17, 1952. O. G. June 17.
Heels, Rubber, and rubber soles. Endicott Johnson Corporation. 294,494, renewed May 31, 1952. O. G. June 17.
Hosiery. Chipman Knitting Mills. 560,145, June 17; Serial No. 608,301, published Mar. 18, 1952.
Hosiery. Roman Stripe Mills, Inc. 292,997, renewed Apr. 5, 1952. O. G. June 17.
Hosiery. Warren Knitting Mills, Inc. 560,189, June 17; Serial No. 614,415, published Mar. 18, 1952.
Hosiery, Ladies'. C. R. Houser. 560,119, June 17; Serial No. 603,999, published Mar. 18, 1952.
Hosiery, Ladies'; misses' hosiery; girls' hosiery and boys' hosiery. Shreve & Adams, Inc. 560,235, June 17; Serial No. 618,056, published Mar. 18, 1952.
Hosiery; underwear for men, women, and children; sweater coats, etc. Askin Brothers Company. 295,507, renewed July 5, 1952. O. G. June 17.
Pajamas, Men's and boys'. Lubin-Weeker Co., Inc. 560,192, June 17; Serial No. 614,558, published Mar. 18, 1952.
Panties, Baby, baby bloomers, creepers. Wee Pants, Inc. 560,154, June 17; Serial No. 609,428, published Mar. 18, 1952.
Rainwear, Articles of. Saul Bros. 560,106, June 17; Serial No. 598,109, published Mar. 18, 1952.
Shoes, Children's leather. The Nobil Shoe Company. 336,515, July 7, 1936. Republished June 17.
Sleeping bag, Infant's. M. Margolin. 560,318, June 17; Serial No. 607,030.
Slips, Ladies'. Grayson-Robinson Stores, Inc. 560,130, June 17; Serial No. 605,738, published Mar. 18, 1952.
Suits, creepers, rompers, etc., Boys'. Standard Romper Co. Inc. 294,103, renewed May 17, 1952. O. G. June 17.
Suits, shoes, dresses, etc. Kresge Department Store Corporation. 295,524, renewed July 5, 1952. O. G. June 17.
Wearing apparel, Women's and misses'. The Tailored Woman, Inc. 560,124, June 17; Serial No. 604,885, published Mar. 25, 1952.

CLASS 40

Art needlework and painting kits. The American Crayon Company. 560,180, June 17; Serial No. 612,525, published Mar. 4, 1952.
Barrettes and hair combs. H. Goodman & Sons, Inc. 560,194, June 17; Serial No. 614,659, published Feb. 5, 1952.
Bobbie pins and hair pins. Smith Victory Corporation. 560,143, June 17; Serial No. 607,454, published Mar. 18, 1952.
Bones or stays. Anchor Plastics Company, Inc. 560,138, June 17; Serial No. 606,592, published Mar. 4, 1952.
Buckles, zipper pulls, buttons, dress studs and dress links. Harlem-Adler & Co., Inc. 560,067, June 17; Serial No. 572,175, published Jan. 29, 1952.
Bust pads, shoulder pads, shoulder straps, etc. The Formfit Company. 560,205, June 17; Serial No. 615,449, published Feb. 5, 1952.
Buttons, Garment. Naus Trimming Co. Incorporated. 560,211, June 17; Serial No. 615,847, published Feb. 26, 1952.
Buttons, needles, snap fasteners, etc. S. H. Kress and Company. 560,238, June 17; Serial No. 618,265, published Mar. 25, 1952.
Closures and fasteners, crochet hooks and needles. Koh-I-Noor, Spojene Kovoprumyslove Zavody, Narodni Podnik. 560,183, June 17; Serial No. 613,296, published Mar. 4, 1952.
Combs, Hard rubber. American Hard Rubber Company. 560,200, June 17; Serial No. 615,103, published Mar. 18, 1952.
Combs, Hard rubber. American Hard Rubber Company. 560,201, June 17; Serial No. 615,104, published Feb. 12, 1952.
Hair roll foundations. Hairnet Corporation of America. 560,208, June 17; Serial No. 615,704, published Mar. 25, 1952.
Hat braids. Henry Pollak, Inc. 560,191, June 17; Serial No. 614,512, published Feb. 5, 1952.
Hat braids. Henry Pollak, Inc. 560,220, June 17; Serial No. 616,509, published Feb. 19, 1952.
Human hair goods. G-H-S. Corporation. 560,151, June 17; Serial No. 609,126, published Mar. 4, 1952.
Laces, embroideries and narrow woven fabrics. The American Fabrics Company. 560,101, June 17; Serial No. 595,931, published Mar. 4, 1952.
Millinery braids. Armand Schwab & Co., Inc. 560,134, June 17; Serial No. 605,919, published Feb. 26, 1952.
Needlepoint, Partly finished. James Lees and Sons Company. 560,170, June 17; Serial No. 612,170, published Feb. 26, 1952.
Non-electric hair curlers. S. & S. Leather Company, Incorporated. 560,103, June 17; Serial No. 595,985, published Feb. 19, 1952.
Seam binding. Standard Ribbon Co. 560,165, June 17; Serial No. 611,863, published Mar. 4, 1952.
Shoe laces. Pawtucket Standard Braid, Inc. 560,222, June 17; Serial No. 616,678, published Feb. 19, 1952.
Shoelaces, Rayon. Joyal and Van Dale Co. 560,197, June 17; Serial No. 614,989, published Feb. 5, 1952.
Sports emblems and sports letters. Empire Sporting Goods Manufacturing Co., Inc. 560,147, June 17; Serial No. 608,927, published Mar. 11, 1952.

CLASS 42

Carpets and rugs, Textile. M. J. Whittall Associates, Inc. 560,150, June 17; Serial No. 609,016, published Apr. 1, 1952.
Carpets and rugs, Textile. M. J. Whittall Associates, Inc. 560,152, June 17; Serial No. 609,154, published Apr. 1, 1952.
Draperies. Fluegelman-Riverdale, Inc. 560,087, June 17; Serial No. 589,780, published Apr. 1, 1952.
Fabric, Woven. Pedigree Fabrics, Inc. 560,148–9, June 17; Serial Nos. 608,943–4, published Apr. 1, 1952.
Fabrics, Cotton. Goldfarb Bros. 560,125, June 17; Serial No. 604,967, published Apr. 1, 1952.
Fabrics in the piece, Wool. Miron Mills, Inc. 560,246–7, June 17; Serial Nos. 620,679–80, published Mar. 25, 1952.
Fabrics, Interlining. Arms Textile Manufacturing Co. 560,308, June 17; Serial No. 592,409.
Fabrics, Textile. Burlington Mills Corporation. 560,186, June 17; Serial No. 613,759, published Apr. 1, 1952.
Fabrics, Textile. Cone Export and Commission Co., Inc. 560,123, June 17; Serial No. 604,572, published Apr. 1, 1952.
Fabrics, Textile. D. B. Fuller & Co., Inc. 560,331, June 17; Serial No. 615,490.
Fabrics, Textile. Martin Weiner Corp. 560,164, June 17; Serial No. 611,732, published Apr. 1, 1952.
Fabrics, Upholstery and drapery. Fabric Guild of California. 560,319, June 17; Serial No. 608,754.
Fabrics, Woven. Botany Worsted Mills. 324,200, May 14, 1935. Republished June 17.
Piece goods. Burlington Mills Corporation. 560,047, June 17; Serial No. 551,689, published Mar. 25, 1952.
Piece goods. Dan River Mills, Incorporated. 560,250, June 17; Serial No. 620,955, published Apr. 1, 1952.
Piece goods. Palm Beach Fabrics, Inc. 560,135, June 17; Serial No. 606,169, published Apr. 1, 1952.
Piece goods. United Merchants and Manufacturers, Inc. 560,156, June 17; Serial No. 610,503, published Mar. 25, 1952.
Piece goods, Cotton. The Bombay Dyeing & Manufacturing Co. Ltd. 560,182, June 17; Serial No. 612,679, published Apr. 1, 1952.
Piece goods, Silk. Cohn-Hall-Marx Co. 294,981, renewed June 14, 1952. O. G. June 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 292,740–1, renewed Mar. 29, 1952. O. G. June 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 292,743, renewed Mar. 29, 1952. O. G. June 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 292,747–9, renewed Mar. 29, 1952. O. G. June 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 292,771–2, renewed Mar. 29, 1952. O. G. June 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 293,194, renewed Apr. 12, 1952. O. G. June 17.
Worsted cloth. Oregon Worsted Company. 560,249, June 17; Serial No. 620,854, published Apr. 1, 1952.
Worsted suitings. W. P. Willis & Co., Inc. 560,248, June 17; Serial No. 620,762, published Mar. 25, 1952.
Woven fabric. Pedigree Fabrics, Inc. 560,149, June 17; Serial No. 608,944, published Apr. 1, 1952.

CLASS 43

Yarn. Sellers Mfg. Co. 560,144, June 17; Serial No. 608,129, published Mar. 25, 1952.
Yarns, Knitting. Plymouth Wholesale Dry Goods Corporation. 560,236, June 17; Serial No. 618,098, published Mar. 25, 1952.

CLASS 44

Atomizers and nebulizers. The De Vilbiss Manufacturing Company. 87,733, re-renewed Aug. 6, 1952. O. G. June 17.

Boot especially designed for the cast-bound or bandaged foot for sanitary and protective purposes. H. J. Bronson. 560,314, June 17; Serial No. 604,760.
Hypodermic needles. Sonco, Inc. 560,289, June 17; Serial No. 584,781.
Kits and packages of flexible containers, flexible tubing, and hypodermic and coupling needles, etc. Fenwal Laboratories, Inc. 560,313, June 17; Serial No. 604,360.

CLASS 45

Beverage, Nonalcoholic, maltless. Schoneberger & Noble, Inc. 293,635, renewed May 3, 1952. O. G. June 17.
Beverages, Maltless, nonalcoholic. Florasynth Laboratories, Inc. 349,930, Sept. 14, 1937. Republished June 17.
Beverages, Nonalcoholic carbonated maltless, and syrups, extracts, etc. Florasynth Laboratories, Inc. 374,124, Jan. 2, 1940. Republished June 17.

CLASS 46

Almonds, shelled almonds, blanched almonds, etc. Herman C. Fisher Company. 560,267, June 17; Serial No. 541,826.
Barbecue sauces and salad dressings. The Flaming Pit, Inc. 560,221, June 17; Serial No. 616,556, published Feb. 19, 1952.
Berry preserves. Glaser, Crandell Co. 560,118, June 17; Serial No. 603,921, published Mar. 26, 1952.
Biscuits. McCormick Mfg. Co. Limited. 278,216, renewed Dec. 9, 1950. O. G. June 17.
Biscuits, cakes, oatcakes, etc. McVitie & Price Limited. 560,276, June 17; Serial No. 560,771.
Bread. Interstate Bakeries Corporation. 560,060, June 17; Serial No. 565,552, published Mar. 18, 1952.
Bread. Oswald Jaeger Baking Company. 560,277, June 17; Serial No. 561,572.
Bread. Henry S. Levy & Son, Inc. 560,304, June 17; Serial No. 590,275.
Bread. Frederic W. Ziv Company. 560,272, June 17; Serial No. 557,575.
Bubble gum. The Paris Gum Corporation of America. 560,270, June 17; Serial No. 553,214.
Butter. The Fisher Brothers Company. 293,921, renewed May 10, 1952. O. G. June 17.
Cake mixtures, Prepared. H. A. Meyer. 560,284, June 17; Serial No. 570,980.
Candy bars. The D. L. Clark Company. 560,064, June 17; Serial No. 568,297, published Mar. 18, 1952.
Canned cat food. Flag Pet Food Corp. 560,040, June 17; Serial No. 528,564, published Mar. 18, 1952.
Canned corn and canned fruits. Gem Canning Company. 560,217, June 17; Serial No. 616,284, published Feb. 19, 1952.
Canned fish. I. Tokstad. 560,079, June 17; Serial No. 586,069, published Feb. 26, 1952.
Canned foods. Gerber Products Company. 560,056, June 17; Serial No. 564,382, published Feb. 26, 1952.
Canned foods. Gerber Products Company. 560,057, June 17; Serial No. 564,384, published Feb. 26, 1952.
Canned poultry products. C. A. Swanson & Sons. 560,039, June 17; Serial No. 528,036, published Jan. 22, 1952.
Canned ready-to-eat cooked rice, etc. N. C. Coan. 560,269, June 17; Serial No. 552,354.
Canned rock lobster. John Holt & Company, Inc. 560,228, June 17; Serial No. 617,198, published Mar. 18, 1952.
Chestnuts, Fresh and dried, and fresh fruits and vegetables. S. E. C. A. Società Esportazione Castagne e Affini. 560,076, June 17; Serial No. 581,030, published Apr. 1, 1952.
Chocolate coating. Chocolate Products Company. 295,761, renewed July 12, 1952. O. G. June 17.
Coffee. Geo. W. Caswell Co. 294,420, renewed May 24, 1952. O. G. June 17.
Cookies and macaroons. Nutt Brothers. 211,460, Apr. 13, 1926. Republished June 17.
Cookies, small cakes, and crackers. Nutt Brothers. 299,012, Nov. 15, 1932. Republished June 17.
Corn starch for food purposes. The Hubinger Company. 293,688, renewed May 3, 1952. O. G. June 17.
Corn syrup. The Hubinger Company. 560,136, June 17; Serial No. 606,218, published Mar. 18, 1952.
Feed, Livestock. General Mills, Inc. 560,229, June 17; Serial No. 617,539, published Mar. 18, 1952.
Feeds, Live stock, poultry, rabbit. Aubrey & Company. 560,050, June 17; Serial No. 553,804, published Mar. 18, 1952.
Fish, Pickled. A. F. Schwahn & Sons Co. 560,131, June 17; Serial No. 605,768, published Mar. 18, 1952.
Fish, Salt. J. K. Dennis. 560,137, June 17; Serial No. 606,458, published Mar. 18, 1952.
Flavoring extract. Florasynth Laboratories, Inc. 177,204, Dec. 11, 1923. Republished June 17.
Flavoring extract. Florasynth Laboratories, Inc. 178,416, Jan. 8, 1924. Republished June 17.
Flavoring extracts, flavoring oils, flavoring syrups, etc. A. Groot. 560,082, June 17; Serial No. 588,025, published Mar. 18, 1952.
Flavoring liquid. C. Garet. 292,629, renewed Mar. 22, 1952. O. G. June 17.
Flavorings. Florasynth Laboratories, Inc. 412,027, Feb. 13, 1945. Republished June 17.
Flavorings. Florasynth Laboratories, Inc. 442,287, Mar. 22, 1949. Republished June 17.
Flour, Soy bean. Shellabarger Grain Products Company. 292,610, renewed Mar. 22, 1952. O. G. June 17.
Flour, Soy bean. Shellabarger Grain Products Company. 295,396, renewed June 28, 1952. O. G. June 17.
Flour, Wheat. Duluth-Superior Milling Company. 87,053, June 25, 1912. Republished June 17.
Flour, Wheat. Trenton Milling Company. 560,052, June 17; Serial No. 557,973, published Mar. 25, 1952.
Food colors, perfume raw materials, perfume oil concentrates, natural floral isolates, and synthetic organic chemicals. Florasynth Laboratories, Inc. 344,945, Apr. 13, 1937. Republished June 17.
Food gelatine. B. Young & Company Limited. 560,073, June 17; Serial No. 577,838, published Mar. 18, 1952.
Fruits, Fresh, and fresh vegetables. Biggar & Biggar, Inc. 314,092, June 19, 1934. Republished June 17.
Fruits, Fresh citrus. Bradford Bros., Inc. 560,218, June 17; Serial No. 616,358, published Feb. 19, 1952.
Fruits, Fresh citrus. Olive Heights Citrus Association. 560,046, June 17; Serial No. 545,029, published Mar. 18, 1952.
Fruits, Fresh citrus. Stark & Waddell Packing Corporation. 296,625, renewed Aug. 16, 1952. O. G. June 17.
Grapes, Fresh. Barr Packing Company. 560,083, June 17; Serial No. 588,267, published Mar. 18, 1952.
Ground beef extender. W. S. Bowen. 560,195, June 17; Serial No. 614,748, published Mar. 18, 1952.
Ice cream and ice cream bars; candies, etc. Howard D. Johnson Company. 560,085, June 17; Serial No. 589,316, published Mar. 4, 1952.
Ice cream, chocolates, milk cocoa, etc. Howard D. Johnson Company. 560,084, June 17; Serial No. 589,314, published Mar. 4, 1952.
Lard, shortenings, butter, etc. Swift and Company. 38,480, re-renewed June 17, 1952. O. G. June 17.
Milk, Fresh; cream; cheese; etc. Mrs. Tucker's Foods, Inc. 560,203, June 17; Serial No. 615,422, published Feb. 26, 1952.
Oysters, Frozen. L. D. Caracciolo. 560,089, June 17; Serial No. 590,545, published Mar. 18, 1952.
Pastry cups, Edible. Maryland Baking Company, Inc. 560,074, June 17; Serial No. 578,607, published Mar. 18, 1952.
Peaches, Fresh. Washington Farms Corp. 560,281, June 17; Serial No. 563,957.
Pectin stabilizer for ices and sherbets. National Pectin Products Company. 293,252, renewed Apr. 19, 1952. O. G. June 17.
Pickles, Dill. A. Gross & Sons. 560,093, June 17; Serial No. 592,487, published Mar. 18, 1952.
Pickling solution. H. Geroux. 292,794, renewed Mar. 29, 1952. O. G. June 17.
Potato chips. Scudder Food Products Inc. 290,049, renewed Dec. 22, 1951. O. G. June 17.
Powder concentrate for making maple-flavored table syrup. The Jel Sert Company. 560,316, June 17; Serial No. 605,796.
Red bone marrow and malt extract. Virol, Limited. 37,976, Mar. 25, 1902. Republished June 17.
Sandwiches, Cheese and cracker. Valley-Maid Packing Co, Inc. 560,185, June 17; Serial No. 613,538, published Mar. 18, 1952.
Sauces for food purposes. Cal-Mex Corporation. 560,320, June 17; Serial No. 608,815.
Sausage, frankfurters, pork sausage, etc. Arnold Bros. 294,051, renewed May 17, 1952. O. G. June 17.
Seedless purees of fruits and berries, Frozen, whole fruits and berries, etc., Frosted Fruit Products. 560,051, June 17; Serial No. 557,746, published Mar. 18, 1952.
Steak marinade or seasoning sauce. El Poche Cafe. 560,128, June 17; Serial No. 605,472, published Mar. 18, 1952.
Vanilla concentrate, Pure. Florasynth Laboratories, Inc 306,474, Sept. 19, 1933. Republished June 17.
Vanilla flavoring powders. Florasynth Laboratories, Inc 374,702, Jan. 23, 1940. Republished June 17.
Vegetables, Fresh. Biggar & Biggar. 426,395, Dec. 24 1946. Republished June 17.
Vegetables, Fresh. Gulf Distributing Co. 560,207, June 17; Serial No. 615,549, published Mar. 18, 1952.
Vegetables, Fresh. P. P. Schoenburg. 308,603, Dec. 12, 1933. Republished June 17.
Vegetables, Fresh. P. P. Schoenburg. 371,540, Sept. 26, 1939. Republished June 17.
Vegetables, Fresh, fresh deciduous fruit. P. P. Schoenburg. 268,795, Mar. 18, 1930. Republished June 17.
Vegetables, Fresh, fresh deciduous fruits, fresh citrus fruits. P. P. Schoenburg. 384,548, Jan. 21, 1941. Republished June 17.
Vinegar. D. S. Isrin. 560,141, June 17; Serial No. 607,083, published Mar. 18, 1952.

CLASS 49

Natural and synthetic organic products for flavoring extracts, oils and blenders for alcoholic beverages. Florasynth Laboratories, Inc. 354,154, Feb. 1, 1938. Republished June 17.
Whiskey. The Geo. T. Stagg Co. 292,065, renewed Mar. 1, 1952. O. G. June 17.

CLASS 50

Tents. R. L. Blanchard. 560,324, June 17; Serial No. 611,335.

CLASS 51

Cosmetics. B. Kronish & Bro. Inc. 294,215, May 24, 1932. Corrected. O. G. June 17.
Food colors, perfume raw materials, perfume oil concentrates, natural floral isolates, and synthetic organic chemicals. Florasynth Laboratories, Inc. 344,945, Apr. 13, 1937. Republished June 17.
Perfumes. George W. Button Corporation. 293,255, renewed Apr. 19, 1932. O. G. June 17.
Skin lotion. L. Fabish. 560,300, June 17; Serial No. 589,439.

CLASS 52

Cleaning preparation. B. Smith. 294,466, renewed May 31, 1932. O. G. June 17.
Soap, Leather and saddle. B. Beddow and Sons Limited. 292,456, Mar. 15, 1932. Republished June 17.
Stain remover. K. J. Wasserman. 560,321, June 17; Serial No. 609,427.

CLASS 100

Services rendered by way of consulation with and advice to customers, etc. Armco Steel Corporation. 560,251, June 17; Serial No. 527,560, published Mar. 18, 1952.

CLASS 103

Custom tailoring, altering and repairing men's and women's clothing. Phelps-Terkel, Inc. 560,254, June 17; Serial No. 585,719, published Apr. 1, 1952.
Service, repair, maintenance and towing of automobiles and installation of repair parts. C. E. Vincel Pontiac Co., Inc. 560,255, June 17; Serial No. 589,929, published Apr. 1, 1952.
Servicing and repair of turf maintenance equipment. G. L. Cornell. 560,262, June 17; Serial No. 616,162, published Mar. 25, 1952.

CLASS 104

Radio program broadcasting services. WJW, Inc. 560,256, June 17; Serial No. 594,086, published Apr. 1, 1952.

CLASS 106

Fertilizer distribution service. Shell Chemical Corporation. 560,257, June 17; Serial No. 595,284, published Apr. 1, 1952.
Services rendered manufacturers of all kinds of fabric. Bradford Dyeing Association (U. S. A.) 560,264, June 17; Serial No. 619,070, published Apr. 1, 1952.

Class 107

Assisting individuals affected with obesity. Fatties Anonymous, Inc. 560,258–60, June 17; Serial Nos. 609,716–18, published Mar. 25, 1952.
Educational services. E. F. Norman. 560,253, June 17; Serial No. 577,340, published Apr. 1, 1952.
Instructing in dancing. Arthur Murray, Inc. 560,335, June 17; Serial No. 605,832.
Instructing mechanics and repair men. Perfect Circle Corporation. 560,252, June 17; Serial No. 537,819, published Mar. 18, 1952.
Musical entertainment service. Matson Navigation Company. 560,263, June 17; Serial No. 616,721, published Mar. 25, 1952.
Religious educational services. Urantia Foundation. 560,261, June 17; Serial No. 613,856, published Mar. 25, 1952.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Chrysanthemum plant. 1,106, June 17.
Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.
Marsh, Edward, Pasadena, Calif. Rose plant. 1,105, June 17.

LIST OF DESIGN PATENTEES

Arditti, Leon A., New York, N. Y. Lamp base or like article. 167,018, June 17.
Beaver Pipe Tools Inc., assignee: *See*—
Pealer, Robert B.
Boedeker, Edward W., Fort Wayne, Ind., assignor to Gotham Hosiery Company, Inc., New York, N. Y. Stocking examination and repair form. 167,019, June 17.
Boeing Airplane Company, assignee: *See*—
Warnock, Samuel.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,020, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,021, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,022, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,023, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,024, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,025, June 17.
Borowitz, David, assignor to Bradley Manufacturing Company, Chicago, Ill. Electric lamp base. 167,026, June 17.
Bradley Manufacturing Company, assignee: *See*—
Borowitz, David.
Continental Art Company, assignee: *See*—
Lindner, John W.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Crapsey, Arthur H., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Flash holder for photographic cameras. 167,027, June 17.
Dennis, William V., Jr., Atherton, assignor to Van Art, Inc., San Francisco, Calif. Blower for fireplace fire. 167,028, June 17.
Donahue, Joseph P., Niagara Falls, and E. K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Donahue. Toilet case or the like. 167,029, June 17.
Eastman Kodak Company, assignee: *See*—
Crapsey, Arthur H., Jr.
Franck, Marcel, New York, N. Y. Atomizer head. 167,030, June 17.
Gallagher, William W., Jr., Weston, Mass. Washer for hypodermic syringe or the like. 167,031, June 17.
Galvin, Richard J., Sheffield, Iowa. Tile block. 167,032, June 17.
Githens, Otto W., New York, N. Y., and W. W. Ward, Bloomfield, N. J., assignors to Utilitron Incorporated, New York, N. Y. Night driving glasses. 167,033, June 17.
Globe Rubber Products Corporation, assignee: *See*—
Schwartz, Albert.
Goodman, James, assignee: *See*—
Massie, Lewis E.
Gotham Hosiery Company, Inc., assignee: *See*—
Boedeker, Edward W.
Gottlieb, Joseph, Jersey City, and C. Woessner, Bloomfield, N. J. Portable electric drill unit. 167,034, June 17.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Vaporizer. 167,044, June 17.
Jacoby-Bender, Inc., assignee: *See*—
Rodriguez, Emil.
Karoff, Robert B., assignor to Novelty Utilities, Inc., New York, N. Y. Food tray with extendable wings. 167,035, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or the like. 167,036, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 167,037, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,038, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,039, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,040, June 17.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 167,041, June 17.
Kaufman, Samuel J., New York, N. Y. Clockcase or similar article. 167,042, June 17.
Kintz, Glenn W., Anchorage, Territory of Alaska. Draftsman's template. 167,043, June 17.
Knapp-Monarch Company, assignee: *See*—
Huck, Alfred J.
Lindner, John W., Milwaukee, Wis., assignor to Continental Art Company, Chicago, Ill. Figurine. 167,045, June 17.
Lindner, John W., Milwaukee, Wis., assignor to Continental Art Company, Chicago, Ill. Figurine. 167,046, June 17.
Lotthammer, Eric K.: *See*—
Donahue, Joseph P., and Lotthammer.
Massie, Lewis E., assignor to J. Goodman, Los Angeles, Calif. Relay or similar article. 167,047, June 17.
Murphy, William B., Crandall, Tex. Trousers or similar article. 167,048, June 17.
Novelty Utilities, Inc., assignee: *See*—
Karoff, Robert B.
Pealer, Robert B., Garrettsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Pipe cutter. 167,049, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or the like. 167,050, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,051, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,052, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,053, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,054, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,055, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,056, June 17.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or the like. 167,057, June 17.
Rhodes, Thomas L., Council Bluffs, Iowa. Screwdriver. 167,058, June 17.
Richards, Gerald M., San Francisco, Calif. Freestanding fireplace. 167,059, June 17.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 167,060, June 17.
Schwartz, Albert, assignor to Globe Rubber Products Corporation, Philadelphia, Pa. Vehicle splash guard. 167,061, June 17.
Touney, Paul R., Toledo, Ohio. Type cleaning device for typewriters. 167,062, June 17.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Utilitron Incorporated, assignee: *See*—
Githens, Otto W., and Ward.
Van Art, Inc., assignee: *See*—
Dennis, William V., Jr.
Warnock, Samuel, assignor to Boeing Airplane Company, Seattle, Wash. Transmission line armor rod end clamp. 167,063, June 17.
Woessner, Carl: *See*—
Gottlieb, Joseph, and Woessner.
Ward, Wallace W.: *See*—
Githens, Otto W., and Ward.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abildgaard, William H., assignor, by mesne assignments, to Livestock Sprayer Mfg. Co., San Jose, Calif. Livestock sprayer. 2,600,602, June 17.

Abramson, Paul T., assignor of one-third to T. H. Abramson and one-third to C. A. Carlson, Rockford, Ill. Truck dolly and jack. 2,600,720, June 17.

Abramson, Thomas H., assignee: *See*—
Abramson, Paul T.

Acco Mfg. Co., Inc., assignee: *See*—
Corbi, Alfred.

Ackell, Joseph J., Bellaire, and H. L. Paulding, Port Washington, N. Y., assignors to Dow Jones & Company, Inc., Wilmington, Del. Recording and accounting apparatus. 2,600,952, June 17.

Ackermann, Franz, Binningen, assignor to Ciba, Limited, Basel, Switzerland. Amino-coumarin-sulfonates. 2,600,375, June 17.

Ackley, Harry A., Sewickley, Pa., and R. N. Perkins, Omaha, Nebr. Upflow pressure diatomite filtering apparatus. 2,600,458, June 17.

Acme Steel Company, assignee: *See*—
Stanius, Godfrey.

Actiengesellschaft Joh. Jacob Rieter & Cie., assignee: *See*—
Strässler, Karl.

Adams, Ivan R., Columbus, Ohio. Circular saw with adjustable arbor-receiving openings. 2,600,459, June 17.

Addressograph-Multigraph Corporation, assignee: *See*—
Comegys, Courtney L., and Haig.

Adler, Leon, H. A. Reinhardt and E. E. Ponath, assignors to Dyestuffs and Chemicals, Inc., St. Louis, Mo. Butter coloring tablet and coloring butter. 2,600,381, June 17.

Advance Products Co., assignee: *See*—
Stuart, Homer B.

Aelion, René, Brooklyn, N. Y., assignor to Organico, Paris, France. Synthetic polymers from hydroxy amino acids. 2,600,953, June 17.

Affiliated Gas Equipment, Inc., assignee: *See*—
Cartter, William G.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Beckel, Arthur C., Cowan and Belter.
Mast, William C., Rehberg, and Fisher.

Aigner, G. J., Company, assignee: *See*—
Aigner, George J.

Aigner, George J., assignor to G. J. Aigner Company, Chicago, Ill. Index tab. 2,600,825, June17.

Alignate Industries Limited, assignee: *See*—
Johnson, Arthur, and Millatt.

Allegheny Ludlum Steel Corporation, assignee: *See*—
Zaccaguini, Concezio L.

Allen, Charles F. H.: *See*—
Chechak, Jonas J., and Allen.

Allen, Rufus V., Chino, Calif. Bait container. 2,600,826, June 17.

Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Arvidsson, Algot.

Alm, Robert M.: *See*—
Fragen, Nathan, and Alm.

Almquist, Gus, Riverside, Calif. Hay baler sleeve. 2,600,827, June 17.

Aluminiumwerke Goettingen G. m. b. H., assignee: *See*—
Messerschmidt, Otto.

American Brake Shoe Company, assignee: *See*—
Dalrymple, William P.

American Can Company, assignee: *See*—
Cabot, Walter K.

American Car and Foundry Company, assignee: *See*—
Dietrichson, William F.

American Cyanamid Company, assignee: *See*—
Daniel John H., Jr., and Petropoulos.
Kropa, Edward L.
Waller, Coy W., and Mowat.

American Machine & Foundry Company, assignee: *See*—
Beutel, Robert J.
Jensen, Thormod.
Pohl, Ernest E.

American-National Bag & Burlap Co., Inc., assignee: *See*—
Spitz, Isidor.

American Optical Company, assignee: *See*—
Critoph, David I.
Moulton, Harold R.
Rosenthal, Paul, Polanyi, and Gottlieb.

American Viscose Corporation, assignee: *See*—
Gollong, Richard J.
Pearson, Frank G.

Amos, James L., J. L. McCurdy, and A. W. Hanson, assignors to The Dow Chemical Company, Midland, Mich. Production of molding granules. 2,601,200, June 17.

Andresen, John H., Jr., Port Washington, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Air miles recorder and follow-up system. 2,600,828, June 17.

Andrews, John R., Jr., assignor to Bachmann Uxbridge Worsted Co., Inc., Uxbridge, Mass. Method and apparatus for drying warp sheets and the like. 2,601,080, June 17.

Antill, Philip W., Ridgefield Park, N. J., assignor to M. H. Detrick Company, Chicago, Ill. Tile arch structure. 2,600,460, June 17.

Applegate, Robert D., Attica, Ind. Grain drier. 2,600,603, June 17.

Arengo, Christopher G., assignor of one-half to Bristol Repetition Limited, Portishead, England. Tool setting device on lathes and other machine tools. 2,600,829, June 17.

Armco Steel Corporation, assignee: *See*—
Reinartz, Leo F., and Fon Dersmith.

Army, United States of America as represented by the Secretary of the, assignee: *See*—
Dixon, Paul H.

Arvidsson, Algot, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Mechanical arrangement of lighting variators. 2,601,081, June 17.

Ashley, John W.: *See*—
Leahy, James F., and Ashley.

Ashman, Herbert W., Hale, England, assignor to Keasbey & Mattison Company, Ambler, Pa. Concrete and shuttering floor structure. 2,601,082, June 17.

Askania Regulator Company, assignee: *See*—
Jacques, Stanley A.

Astatic Corporation, The, assignee: *See*—
Palo, Maurice, and Dvorsky.
Palo, Maurice M., and Schmid.

Atherton, Dolph W., Kingsley, Pa. Gravity-operated register for tiltable handles. 2,600,604, June 17.

Atkins, Verma A., Anderson, Ind. Portable seat cushion. 2,600,721, June 17.

Atkinson, Earl B., Bay Village, Ohio. Measuring fish wire reel. 2,600,722, June 17.

Auerbach, Zemach, Bronx, N. Y. Blade dispenser. 2,600,830, June 17.

Automatic Electric Laboratories, Inc., assignee: *See*—
Grandstaff, Otho D.
Herrick, Roswell H.

Babcock & Wilcox Company, The, assignee: *See*—
Dickey, Paul S.

Bachmann Bros. Inc., assignee: *See*—
McNeill, Albert G.

Bachmann Uxbridge Worsted Co., Inc., assignee: *See*—
Andrews, John R., Jr.

Back, Alexander E.: *See*—
Wyman, Wallace F., and Back.

Back, Laurel M., Oakland, Calif. Pivoted hand tool for removing dents in sheet metal. 2,600,723, June 17.

Backer, Christian B., Ottawa, Ontario, Canada. Multiple coil tubular heating element. 2,600,605, June 17.

Backer, Theodore, assignee: *See*—
Wales, Nathaniel B., Jr.

Backus, Cecil F., Wilmington, Del. Shoe sole composition. 2,600,461, June 17.

Badner, Michael, Taylor, Pa. Cigarette extinguisher and ash tray. 2,600,724, June 17.

Bahls, Otto, Brooklyn, N. Y. Clothes drier device. 2,600,725, June 17.

Bailey Meter Company, assignee: *See*—
Johnson, Clarence.

Baker & Co., Inc., assignee: *See*—
Rosenblatt, Edgar F., and Cohn.

Baldsiefen, Walter D., Metuchen, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Light-sensitive silver halide photographic elements. 2,600,831, June 17.

Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Fastening member for perforated sheet material members. 2,601,201, June 17.

Balon, Walter J., Carneys Point, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Water-soluble derivatives of unsulfonated lignin. 2,600,606, June 17.

Bannister, Clyde E., Houston, Tex. Load-sustaining and fluid-conducting hose. 2,600,607, June 17.

Bardet, Gérard, Paris, France. Machine for the manufacture and delivery of parallelepipedal paperboard boxes. 2,600,954, June 17.

Barnes, Charles H., Glendale, and F. Grosse, Los Angeles, Calif., assignors, by mesne assignments, to Rubberset Company, Newark, N. J. Apparatus for making paint roller covers and the like. 2,600,955, June 17.

Barnett, Max, Brooklyn, N. Y. Rockable inner jaw wrench. 2,600,956, June 17.

Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Combination propelling and pickup handle for vacuum cleaners. 2,600,608, June 17.

Barrett, Walter P., assignee: *See*—
Hunt, John W.

Barricini, Inc., assignee: *See*—
Domnitz, Herman.

Bartis, Frank, Chicago, Ill. Pneumatic arch support. 2,600,957, June 17.

Bartley, Thomas R.: *See*—
Shaw, John M., Bartley, and Rosenfels.

Barton, Jay P., assignor, by mesne assignments, to Defiance Automatic Screw Company, Defiance, Ohio. Closure actuated mechanical alarm. 2,600,609, June 17.

Barton, Murray M., assignor to Consolidated Equipment Co., Wichita, Kans. Molding apparatus. 2,600,958, June 17.

Bastian-Blessing Company, The, assignee: *See*—
Frederick, Raymond R.

Bateman, James A.: *See*—
Lehman, Harry A., Bateman, W. W. and J. A.

Bateman, Ralph C., Akron, Ohio. Torsional equalizer suspension device. 2,600,462, June 17.

Bateman, William W.: *See*—
Lehman, Harry A., Bateman, J. A. and W. W.

Bauer, La Verne N.: *See*—
Neher, Harry T., Bauer, and Van Horne.

Bauer, La Verne N., and W. L. Van Horne, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Vinyl stearate allyl laurate copolymers. 2,600,382, June 17.

Bauer, La Verne N., Philadelphia, H. T. Neher, Bristol, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers from allyl esters and methacrylic esters. 2,600,383, June 17.

Bauer, La Verne N., Philadelphia, H. T. Neher, Bristol, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Vinyl ester copolymers. 2,600,384, June 17.

Bauer, La Verne N., and W. L. Van Horne, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Vinyl esters copolymers. 2,600,385, June 17.

Bauer, La Verne N., Philadelphia, H. T. Neher, Bristol, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Maleate-vinyl laurate copolymers. 2,600,386, June 17.

Bauman, William C., and G. B. Heusted, assignors to The Dow Chemical Company, Midland, Mich. Anion exchange resins and process. 2,601,202, June 17.

Beckel, Arthur C., and J. C. Cowan, Peoria, and P. A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Bonding using heat sealing protein adhesives. 2,600,388, June 17.

Beears, Warren L., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Carboxyalkylation of ketonic compounds. 2,600,387, June 17.

Beech Aircraft Corporation, assignee: *See*—
Paul, Lewis A.

Behrens, Maurice H., Audubon, N. J. Unscrambler and spacer. 2,600,726, June 17.

Bell Aircraft Corporation, assignee: *See*—
Wheeler, John W.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bowen, Arnold E.
Collis, Raymond E., and Dehn.
Haynes, James R., and Shockley.
Holden, William H. T.
Kelsay, Le Roy W.
McMahon, William T.
Meacham, Larned A.

Bellamy, John I.: *See*—
Boyer, Richard P., Jr., and Bellamy.

Belter, Paul A.: *See*—
Beckel, Arthur C., Cowan, and Belter.

Benak, George R., assignor to Raymond T. Moloney, Chicago, Ill. Dual action ball switch. 2,600,832, June 17.

Bender, John C., Hartville, Ohio. Hitch. 2,600,959, June 17.

Bendix Aviation Corporation, assignee: *See*—
Cintron, Juan E.
Kimball, Vernon R., and Maiorany.
Pontius, George W., III.

Benedict, Bruce C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Three-stage propane fractionation of reduced crude oil. 2,600,389, June 17.

Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin. Index fixture. 2,600,960, June 17.

Bennett, Wallis R., and C. A. Cummins, assignors to The Dow Chemical Company, Midland, Mich. Decolorizing caustic soda solutions. 2,601,203, June 17.

Berman, Elsie L.: *See*—
Berman, Jean S., E. L., and O. A.

Berman, Jean S., E. L., and O. A., New York, N. Y. Fountain curling rod. 2,600,727, June 17.

Berman, Oscar A.: *See*—
Berman, Jean S., E. L., and O. A.

Bernard, Arthur A., Chicago, Ill. Shape-cutting machine or the like. 2,600,728, June 17.

Bertein, François, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Correcting electronic optical systems. 2,600,463, June 17.

Bertele, Ludwig J., Heerbrugg, Switzerland. High-aperture and high-transmission three component objective. 2,600,610, June 17.

Beutel, Robert J., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Wrapping machine for articles of varying sizes. 2,600,833, June 17.

Bevington, Kenneth A., Evanston, Ill. Collapsible baby cart. 2,600,611, June 17.

Biehl, Harry C., Berwick, Pa. Coin storing and dispensing device. 2,600,961, June 17.

Billings, Bruce H., assignor to Polaroid Corporation, Cambridge, Mass. Tunable narrow band optical filter. 2,600,962, June 17.

Blackman, Peter: *See*—
White, Blanche B., Rosen, and Blackman.

Blair, Emile, New Haven, Conn., assignor to Olin Industries, Inc. Cutting sheet material into blanks. 2,600,834, June 17.

Bland, Charles C., St. Louis, Mo. Method and apparatus for forming glass beads. 2,600,963, June 17.

Boe, Eddie S., Newgulf, Tex. Apparatus for separation of sulfur vapors. 2,600,464, June 17.

Bollo, Francis G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Aircraft power control system. 2,600,612, June 17.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Oxidizing acidic sulfur compounds of the type which occur in hydrocarbon oil. 2,600,465, June 17.

Boothroyd, Wilson P.: *See*—
Creamer, Edgar M., Jr., and Boothroyd.

Borrows, Edward T., Kenton, and J. C. Clayton, Southall, assignors to Glaxo Laboratories Limited, Greenford, England. 2:6-dihalogenodiphenylethers and preparing same. 2,600,835, June 17.

Borton, George W., Philadelphia, and S. D. Hartshorn, Wayne, assignors to Pennsylvania Crusher Company, Philadelphia, Pa. Apparatus for reduction of frangible material. 2,600,964, June 17.

Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave guide attenuator. 2,600,466, June 17.

Bowler, Louis J., Middletown, Calif. Egg washing and scrubbing apparatus. 2,600,467, June 17.

Boyd, Joseph W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Self-cleaning valve. 2,600,836, June 17.

Boyer, Clay G., Philadelphia, Pa. Device for removing wrappers from packaged goods, such as chewing gum, confections, or the like. 2,600,837, June 17.

Boyer, John L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Low-capacity vapor-electric device. 2,600,390, June 17.

Boyer, Richard P., Jr., La Grange, and J. I. Bellamy, Wheaton, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company. Endless chain of counting relays. 2,600,729, June 17.

Brandau, Karl J., Wheeling, W. Va., and R. L. Funk, Bellaire, Ohio. Pneumatic separator. 2,600,965, June 17.

Breaux, Neil T., Houston, Tex. Packer for wells. 2,600,468, June 17.

Breither, Robert H.: *See*—
Collins, Edward J., Breither and Pearl.

Breuers, Theo P. C., and T. H. Linthout, Venlo, Netherlands, assignors to Chemische Fabriek L. Van Der Grinten. Exposure apparatus for photographic contact printing on rotary cylinders. 2,600,469, June 17.

Breuers, Theo P. C., and T. H. Linthout, Venlo, Netherlands, assignors to Chemische Fabriek L. Van Der Grinten. Automatic exposure apparatus for making photographic prints. 2,600,470, June 17.

Brière, Jean, Vichy, France. Apparatus for sound recording and reproduction on films. 2,600,471, June 17.

Bristol Aeroplane Company Limited, The, assignee: *See*—
Hafner, Raoul.

Bristol Repetition Limited, assignee: *See*—
Arengo, Christopher G.

British Telecommunications Research Limited, assignee: *See*—
Holloway, Dennis G.

Brock, George D., Chicago, Ill. Electrically heated implement. 2,600,472, June 17.

Brockman, Frank, Dobbs Ferry, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. Magnetic core. 2,600,473, June 17.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thienyl mercaptals and mercaptols. 2,600,838, June 17.

Brothers, Richard V., Fontana, Calif Hair curling device. 2,600,730, June 17.

Brouse, William H. D., Toronto, Ontario, Canada, assignor to Teleflex Incorporated, Philadelphia, Pa. Force transmission apparatus. 2,601,083, June 17.

Brown, Alexander M., Plantsville, and N. M. Earl, Southington, assignor to Bruce Industries, Plantsville, Conn. Eyeshade. 2,601,084, June 17.

Brown and Sharpe Manufacturing Company, assignee: *See*—
Lalime, Lester J.
Levesque, George N.

Brown, Archie T., Biloxi, Miss Condiment holder. 2,600,839, June 17.

Bruce Industries, assignee: *See*—
Brown, Alexander M., and Earl.

Bruegger, Albert, Philadelphia, Pa. Holding means for preparing artificial silk cakes foldable reels. 2,600,840, June 17.

Bruestle, Carl O., Metuchen, assignor to Syncro Machine Company, Perth Amboy, N. J. Wire clamp and cutter for spooling machines. 2,600,841, June 17.

Bruner, George W., and J. C. Shaffer, assignors to Vonnegut Moulder Corporation, Indianapolis, Ind. Abrasive head. 2,600,613, June 17

Brunner, Albert, Jennings, assignor to Wagner Electric Corporation, St. Louis, Mo. Split retaining ring arrangement for piston packing. 2,601,085, June 17.

Brunstad, Julius M., Colfax, Wis. Liquid cooler. 2,600,474 June 17

Buccicone, Dario, Gary, Ind. Belt mounting for magnetic rail conveyers. 2,600,475, June 17.

Bucky, Gustav, New York, N. Y. Close-up stereo camera. 2,601,086, June 17.

Buecken, Hans E., assignor to National Rubber Machinery Company, Akron, Ohio Temperature controlled fluid supply apparatus. 2,600,842, June 17.

Buedingen, William L., Rochester, N. Y. Kitchen tool and utensil. 2,601,087, June 17.

Burgess, Maurice W., Joliet, Ill. Detachable flagstaff. 2,601,088, June 17.

Burkhart, William H., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Shift register circuit. 2,601,089, June 17.

Burndy Engineering Company, Inc., assignee: *See*—
Dupre, Henry P.

Bursack, William W., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Coercing means for gyroscopes. 2,600,476, June 17.

Burt, Robert V., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Proportioning pump. 2,600,477, June 17.

Burwell, Stanley J., Toronto, Ontario, Canada. Helicopter control. 2,601,090, June 17.

Bush, Joachim G., assignor to Vibradamp Corporation, Los Angeles, Calif. Manufacturing compressible glass fiber shock absorption material and products. 2,600,843, June 17

Busse, Ethel, executrix: *See*—
Hollandsworth, George W.

Butcher, William J., Jamaica, N. Y. Urinal device. 2,600,478, June 17.

Butler, William F., Oakland, T. P. Stafford, El Cerrito, and F. A. Cutter, Oakland, assignors to Cutter Laboratories, Berkeley, Calif. Elastomer stopper. 2,601,091, June 17.

Chabel, C. & Cie (Societe en Commandite par Actions) and Etablissements Neyrpic, assignee: *See*—
Hardy, Pierre P. E

Cabot, Walter K., Upper Montclair, N. J., assignor to American Can Company, New York, N. Y. Machine for filling liquids in containers in vacuum. 2,600,391, June 17.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester N. Y. Polyesters of hydroxybenzoic acids. 2,600,376, June 17.

California Research Corporation, assignee: *See*—
Nelly, George L

Calkins Manufacturing Company, assignee: *See*—
Guyer, Morris W.

Callaway Mills Company, assignee: *See*—
Parker, Samuel P.

Campbell, David T., Indianapolis, Ind. Nonsmoke-back solid fuel furnace. 2,600,614, June 17.

Campbell, Harold A., Denville, M. A. Stahmann, Middleton, C. F. Huebner, Summit, N. J., and K. P. Link, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Lowering blood prothrombin level and lengthening clotting time with methylene-bis-hydroxy coumarin. 2,601,204, June 17

Campomar, José, Montevideo, Uruguay. Attachment for drinking cups, glasses, and similar receptacles to prevent the spilling of liquids contained therein. 2,600,479, June 17.

Canadian Industries Limited, assignee: *See*—
Griffin, Grant C., and Ivany.

Cancell, Theodora S., Larchmont, N. Y. Shampoo device. 2,600,392, June 17.

Caputo, James V., Youngstown, Ohio and T. J. Crawford, Berkley, Mich., said Crawford assignor to said Caputo. Electrical apparatus. 2,600,844, June 17

Cardiff, Ira D., Yakima, Wash. Picking and pruning attachment to be mounted on trucks. 2,601,092, June 17.

Carlson, Carl A., assignee: *See*—
Abramson, Paul T.

Carlton, Frank, Los Angeles, and L. L. Snyder, Montebello, Calif. Vacuum breaker. 2,600,731, June 17.

Carp, Arthur, Hillsdale, Mich. Can opener. 2,600,615, June 17.

Carpenter, Ellsworth J: *See*—
Hale, Douglas, and Carpenter.

Carrier Conveyor Corporation, assignee: *See*—
Carrier, Robert M., Jr., and Whitley.

Carrier, Robert M., Jr., Aurora, Ill., and M. G. Whitley, assignors to Carrier Conveyor Corporation, Louisville, Ky. Method of and apparatus for continuously weighing aggregate. 2,600,966, June 17.

Carrigan, Robert E., Saylesville, R. I., assignor to Union Wadding Company, Liquid filter. 2,600,845, June 17.

Carruthers, Eben H., Warrenton, Oreg. Method and apparatus for packaging a predetermined weight of food material. 2,601,093, June 17.

Carter Carburetor Corporation, assignee: *See*—
Cloedy, Frederick W., and Holt.

Cartter, William G., Monrovia, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Heater and thermostat selector shield therefor. 2,600,616, June 17.

Case, J. I., Company, assignee: *See*—
Heth, Sherman C.

Casler, Adrien F., East Cleveland, Ohio, assignor to General Electric Company. Machine for removing portions of the coating from coated glass articles. 2,600,846, June 17.

Castlen, Robert C., West Palm Beach, Fla. Indicator-type adapter for battery cell caps. 2,600,732, June 17.

Celanese Corporation of America, assignee: *See*—
Piperoux, Rene P., Hertz, and Culpepper.
White, Blanche B., Rosen, and Blackman.

Chanel, Inc., assignee: *See*—
Suinat, Pierre.

Chechak, Jonas J., and C. F. H. Allen, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of sulfonated copper phthalocyanine dye. 2,600,377, June 17.

Chemische Fabriek L. Van Der Grinten, assignee: *See*—
Breuers, Theo P. C., and Linthout.

Chernosky, Allen A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Low-frequency vibrational pickup. 2,600,967, June 17.

Chicopee Manufacturing Corporation, assignee: *See*—
Gannon, John J.

Church, Franklin O., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tire gauge. 2,600,847, June 17.

Church, Mary, Cambridge, Mass. Graphic method of teaching music. 2,600,968, June 17.

Ciba Limited, assignee: *See*—
Ackermann, Franz.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Hoffmann, Karl, and Tagmann.

Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
Plattner, Placidus A.

Cintron, Juan E., assignor to Bendix Aviation Corporation, South Bend, Ind. Gear pump. 2,601,004, June 17.

Clapperton, George, assignor to Nuclotex Limited, Bolton, England. Carding engine with secondary taker-in. 2,600,969, June 17.

Clarke, Sandford P. P., Bronx, N. Y. Cigar and cigarette holder. 2,600,970, June 17.

Clayton, John C.: *See*—
Borrows, Edward T., and Clayton.

Clift, Therlis L., Erlanger, Ky., assignor to The Standard Oil Company, Cleveland, Ohio. Gas mixing apparatus. 2,600,733, June 17.

Cloedy, Frederick W., Sappington, and C. E. Holt, Richmond Heights, assignors to Carter Carburetor Corporation, St. Louis, Mo. Filter unit. 2,600,480, June 17.

Clyde, John A., Ellwood City, Pa., assignor to United States Steel Company. Grinding fixture for welded tubing. 2,600,481, June 17.

Coates, Charles F., Glendale, Calif., assignor to J. H. Williams & Co., Buffalo, N. Y. Adjustable crowfoot wrench. 2,600,617, June 17.

Cobb, Harold E., Aurora, and N. H. Koertge, Glen Ellyn, assignors to Furnas Electric Company, Batavia, Ill. Magnetic unloader and pressure switch. 2600,618, June 17.

Coburn, Wallace A., Brandon, Manitoba, Canada. Totalized current release device for circuit breakers. 2,600,734, June 17.

Cohn, Benno, Brooklyn, N. Y., assignor to Ferdinand Gutmann & Co. Method and machinery for making bottle caps. 2,600,393, June 17.

Cohn, John G.: *See*—
Rosenblatt, Edgar F., and Cohn.

Cole, James D.: *See*—
Morrison, Willard L., Jr., and Cole.

Coleman, William R.: *See*—
Jenesel, Nickolas D., Coleman, and Crooks.

Collins, Edward J., Los Angeles, Calif., R. H. Breither, Mount Prospect, and D. Pearl, Chicago, Ill., assignors to R. T. Moloney. Simulated crane amusement device. 2,600,849, June 17.

Collins, Howard A., Neenah, and H. M. Ruth, Appleton, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Tampon applicator grip forming apparatus. 2,600,971, June 17.

Collins, Lawrence B., Orange, and C. A. Langstaff, Compton, Calif. Wire line stripper. 2,600,848, June 17.

Collis, Melvin, Klamath Falls, Oreg. Portable electric saw sharpener. 2,600,850, June 17.

Collis, Raymond E., Summit, N. J., and J. W. Dehn, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric delay circuit. 2,600,482, June 17.

Colonna, Angelo, Philadelphia, Pa. Latch mechanism. 2,600,483, June 17.

Colson Corporation, The, assignee: *See*—
Roe, William C.

Combustion Engineering-Superheater, Inc., assignee: *See*—
Marshall, Leonard J.
Patterson, Ward S.

Comegys, Courtney L., University Heights, and E. A. Haig, Shaker Heights, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Address plate retaining means. 2,600,972, June 17.

Compagnie Generale de Construction de Locomotives Batignolles-Chatillon), assignee: *See*—
Le Lan, Armand M.

Compagnie Generale d'Electricite, assignee: *See*—
Comte, Georges N.

Compagnie Generale de T. S. F., assignee: *See*—
Lerbs, Alfred.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Bertein, Francois.

Compagnie Internationale des Pieux Armés Franignoul, Liege, Belgium, Societe Anonyme, assignee: *See*—
Jourdain, André P.

Comte, Georges N., Lyon, assignor to Compagnie Generale d'Electricite, Paris, France. Device for measuring the resonance-magnification of resonant systems. 2,600,973, June 17.

Conklin, George E., Rushland, Pa. Wire-hose-clamp applying device. 2,600,394, June 17.

Consolidated Equipment Co., assignee: *See*—
Barton, Murray M.

Conterno, Charles, New York, N. Y. Hygienic spray attachment. 2,600,619, June 17.

Continental Machines, Inc., assignee: *See*—
Crane, Robert L.

Cooper-Bessemer Corporation, The, assignee: *See*—
Crooks, William R.

Cooper, Gilbert N., Wyncote, Pa. Hosiery. 2,600,851, June 17.

Coots, Carl A., Waverly, N. Y. Control handle for outboard motors. 2,600,852, June 17.

Coover, Harry W., Jr.: *See*—
Dickey, Joseph B., and Coover.

Copping, John B., assignor to The Decca Record Company Limited, London, England. Apparatus for indicating a coordinate position on a chart. 2,600,484, June.

Corbi, Alfred, Pawtucket, R. I., assignor to Acco Mfg. Co., Inc. Bracelet chain. 2,601,094, June 17.

Corneliussen, Carl and E., Sandefjord, Norway. Longitudinally adjustable legs, for example for seats, stools, or the like. 2,600,735, June 17.

Corneliussen, Erling: *See*—
Corneliussen, Carl and E.

Corning Glass Works, assignee: *See*—
De Voe, Charles F.

Cousins, Richard J. W.: *See*—
Fell, Louis F. R., and Cousins.

Cowan, John C.: *See*—
Beckel, Arthur C., Cowan, and Belter.

Cox, Duncan B., Woodbury, N. Y. Metal foil heating device. 2,600,485, June 17.

Cox, Duncan B., Woodbury, N. Y. Electric heater. 2,600,486, June 17.

Craig, Merle E., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Siftproof bag bottom. 2,600,487, June 17.

Crane, Robert L., Glen Lake, assignor to Continental Machines, Inc., Savage, Minn. Holder for band-saw guides. 2,601,095, June 17.

Crauland, Marc J. L., assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Making colorless amino-2-thiazole. 2,600,620, June 17.

Crawford, Arthur R., Worthington, Ohio. Mass spectrometer for simultaneous multiple gas determinations. 2,601,097, June 17.

Crawford, Thomas J.: *See*—
Caputo, James V., and Crawford.

Crawford, William B., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Hanger fitting. 2,600,974, June 17.

Creamer, Edgar M., Jr., Philadelphia, and W. P. Boothroyd, Huntingdon Valley, assignors to Philco Corporation, Philadelphia, Pa. Modulator. 2,601,096, June 17.

Crescenzi, George, Brooklyn, N. Y. Slide cap. 2,600,853, June 17.

Critoph, David I., Grand Rapids, Mich., assignor to American Optical Company, Southbridge, Mass. Unitary condenser lens assembly mounting means for projectors. 2,600,975, June 17.

Crockett, Cyril C., assignee: *See*—
Crockett, Sydney R.

Crockett, Sydney R., Freeport, N. Y., assignor to C. C. Crockett, Glendale, Calif. Igniting device for smudge pots. 2,601,098, June 17.

Crooks, Harry M., Jr.: *See*—
Jenesel, Nickolas D., Coleman, and Crooks.

Crooks, William R., Grove City, Pa., assignor to The Cooper-Bessemer Corporation, Mount Vernon, Ohio. Method and apparatus for cooling the air supplied to internal-combustion engines. 2,600,736, June 17.

Crosnoe, Ted F.: *See*—
Crouch, Willie W., Crosnoe, and Werkman.

Cross, Alvin C., Lamar, Nebr. Leveler attachment for disk harrows. 2,600,854, June 17.

Crouch, Willie W., T. F. Crosnoe, and R. T. Werkman, Bartlesville, Okla., assignors to Phillips Petroleum Company. Making tertiary alkyl trithiocarbonates. 2,600,737, June 17.

Crown Zellerbach Corporation, assignee: *See*—
Craig, Merle E.

Crump, John D., Ontario, Oreg. Cartridge loading tool. 2,600,488, June 17.

Culpepper, Frank M.: *See*—
Piperoux, Rene P., Hertz, and Culpepper.

Cummins, Claude A.: *See*—
Bennett, Wallis R., and Cummins.

Cutter, Fred A.: *See*—
Butler, William F., Stafford, and Cutter.

Cutter Laboratories, assignee: *See*—
Butler, William F., Stafford, and Cutter.

Dahlgren, John V. S., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield cleaner drive. 2,600,622, June 17.

Dahlquist, Carl A.: *See*—
Hendricks, James O., and Dahlquist.

Daisy Manufacturing Company, assignee: *See*—
Wesley, Robert O.

Dale, Joseph S., Rockford, Ill. Governor-controlled compressor and the like. 2,600,855, June 17.

Dalrymple, William P., Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del. Valve. 2,600,976, June 17.

Daniel, John H., Jr., Stamford, and J. C. Petropoulos, South Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y. Modified alkyd resin reacted with styrene and an acrylonitrile. 2,600,623, June 17.

Darnell, Jesse L., Milford, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio. Cover for bake pan units. 2,601,099, June 17.

D'Avitaya, Raymond F. A. V., Marseille, France. Apparatus for multiple copying of cinematographical films. 2,600,489, June 17.

Decca Record Company Limited, The, assignee: *See*—
Copping, John B.

Decepoli, Carmine, Belleville, N. J. Shuffleboard weight. 2,600,856, June 17.

Deere & Company, assignee: *See*—
Neighbour, Leonard B.

Deering, Roland F.: *See*—
Doumani, Thomas F., and Deering.

Defiance Automatic Screw Company, assignee: *See*—
Barton, Jay P.

De Frees, Joseph H., Warren, Pa. Emergency valve system. 2,600,977, June 17.

Dehn, Joseph W.: *See*—
Collis, Raymond E., and Dehn.

Deinet, Joseph, Glassboro, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Vat dyes of the anthraquinone oxazole and anthraquinone thiazole series which contain the azobiphenyl nucleus. 2,601,100, June 17.

De La Mater, Gayle F., San Diego, Calif. Drill hole locating apparatus. 2,600,857, June 17.

Del Zoppo, Menotti, assignor of one-half to A. Parker, New York, N. Y. Hair-waving composition. 2,600,624, June 17.

Demarco, Salvatore J., Jr., Baltimore, Md., assignor to Products Manufacturing Co., Inc. Premature infant feeder. 2,600,978, June 17.

Dempsey, Arthur E., Jr., Council Bluffs, Iowa. Evaporative condenser. 2,600,738, June 17.

Dempster, George R., Knoxville, Tenn. Loader of the dipper type. 2,600,739, June 17.

Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Hinge for molded boxes or other molded articles. 2,601,101, June 17.

Detrick, M. H., Company, assignee: *See*—
Antill, Philip W.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, assignee: *See*—
Kohler, Franz.

Deville, Jacob A., Marksville, La. Crossrow cultivator. 2,600,858, June 17.

De Voe, Charles F., assignor to Corning Glass Works, Corning N. Y. Glass melting method. 2,600,490, June 17.

Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S

Dickey, Joseph B., Rochester, N. Y., and H. W. Coover, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of tetraethyl pyrophosphate. 2,600,378, June 17.

Dickey, Paul S., East Cleveland, Ohio, assignor, by mesne assignments, to The Babcock & Wilcox Company, New York, N. Y. Heat exchanger control. 2,601,102, June 17.

Diemer, Gesinus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube apparatus. 2,600,491, June 17.

Dies, Herbert F.: *See*—
Hurd, Edwin P., and Dies.

Dietrichson, William F., Garden City, assignor to American Car and Foundry Company, New York, N. Y. Tie strap anchor. 2,601,103, June 17.

Dixon, Paul H., Rockford, Ill., assignor to the United States of America as represented by the Secretary of the Army. Cartridge belt link. 2,600,492, June 17.

Domnitz, Herman, New York, assignor to Barricini, Inc., Long Island City, N. Y. Stemmed cherry mold. 2,600,522, June 17.

Domoj, John J., Medina, N. Y., and S. Rosenberg, Philadelphia, Pa. Keyhole splice. 2,600,395, June 17.

Donaldson, E., assignee: *See*—
Yirava, Charles R.

Dormont, Jean, Enghein-les-Bains, France, assignor to General Electric Company. Insulating bushing with pressure-limiting means. 2,600,979, June 17.

Douglas, Aubrey, Saltford, England. Jet propulsion and control means therefor. 2,601,104, June 17.

Doumani, Thomas F., and R. F. Deering, assignors to Union Oil Company of California, Los Angeles, Calif. Supported group VIII-carbon dehydrogenation catalyst. 2,600,379, June 17.

Dow Chemical Company, The, assignee: *See*—
Amos, James L., McCurdy, and Hanson.
Bauman, William C., and Heusted.
Bennett, Wallis R., and Cummins.
Robinson, Harold A.

Dow Jones & Company, Inc., assignee: *See*—
Ackell, Joseph J., and Paulding.

Drager, Otto H., assignee: *See*—
Klutke, Fritz K.

Drum Corporation, The, assignee: *See*—
Drum, John V.

Drum, John V., Ypsilanti, Mich., assignor to The Drum Corporation. Wheel changing device. 2,600,740, June 17.

Drum, John V., Grosse Pointe, assignor to The Drum Corporation, Detroit, Mich. Wheel-handling device. 2,600,741, June 17.

Drum, John V., Grosse Pointe, assignor to The Drum Corporation, Detroit, Mich. Wheel-handling device. 2,600,742, June 17.

Drysdale, Robert, Sunnyvale, Calif. Hand electric plane. 2,600,859, June 17.

Dunlop Tire and Rubber Corporation, assignee: *See*—
Church, Franklin O.

Dunmire, Russell P., Cleveland, Ohio. Ceramic product and making same. 2,601,105, June 17.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Baldaiefen, Walter D.
Balon, Walter J.
Delnet, Joseph.
Heuse, Ralph O., and Wingate.
Kay, William L., and Rick.
Prichard, William W.
Robbins, Gordon B.
Stilmar, Frederic B.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Winberg, Filmer E.

Dupre, Henry P., New York, N. Y., assignor to Burndy Engineering Company, Inc. Fluid pressure operated portable compressing tool. 2,600,860, June 17.

Dvorsky, Alexander L.: *See*—
Palo, Maurice, and Dvorsky.

Dyestuffs and Chemicals, Inc., assignee: *See*—
Adler, Leon, Reinhardt, and Ponath.

Earl, Norman M.: *See*—
Brown, Alexander M., and Earl.

Eastman Kodak Company, assignee: *See*—
Caldwell, John R.
Chechak, Jonas J., and Allen.
Dickey, Joseph B., and Coover.
Fox, Arthur B.
Gresham, Donald C.
Loria, Anthony, Weissberger, and Vittum.
Malone, Harold L., and Underwood.
Reiss, Max.
Reynolds, Delbert D., and Kenyon.
Simmons, Arthur B.
Turner, John R.
Tuttle, Fordyce E., and Wittel.

Easy Washing Machine Corporation, assignee: *See*—
Landwier, William G.

Eberwein, Leonard R., Topeka, Kans. Illuminated directory. 2,601,106, June 17.

Ebner, Alfred J., Pittsburgh, Pa. Gas-washing apparatus. 2,600,743, June 17.

Eckert, John P., Jr., Gladwyne, and J. W. Mauchly, Ambler, assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Signal responsive apparatus. 2,600,744, June 17.

Eckert-Mauchly Computer Corporation, assignee: *See*—
Eckert, John P., Jr., and Mauchly.

Edmondson, William H.: *See*—
Richardson, Ralph R., and Edmondson.

Edwards, Benjamin F., Santa Monica, Calif. Card game equipment. 2,600,951, June 17.

Edwards, Harry D., assignor to Ilford Limited, Ilford, England. Polymethine dyestuffs. 2,600,380, June 17.

Ekholm, Erik, and V. C. Haner, assignors to Puget Sound Pulp and Timber Co., Bellingham, Wash. Log supporting and log manipulating device for wood debarking devices. 2,600,625, June 17.

Electrodyne Company, The, assignee: *See*—
Nolfe, Alfred W.

Ellett, Richard E., Merton, London, England. Artificial eye for figure toys. 2,601,107, June 17.

Ellingson, Adolph E., Chicago, Ill. Folding lawn chair. 2,600,626, June 17.

Ellis, Charles E., Mahwah, N. J. Polyphase alternating current dynamo-electric apparatus. 2,600,523, June 17.

Elser, William P., assignee: *See*—
Noon, Alonzo W.

Emmer, Charles E., assignor to General Binding Corporation, Chicago, Ill. Gang punching machine. 2,601,108, June 17.

Emulsol Corporation, The, assignee: *See*—
Selz, Edgar.

Englund, Kenneth L., Los Altos, Calif., assignor to Stauffer Chemical Company. Maturing cotton. 2,600,861, June 17.

Envoldsen, Karl C., Cleveland, Ohio. Treating shrimp. 2,600,627, June 17.

Eriksson, Allan H.: *See*—
Karlsson, Anders B. E., and Eriksson.

Ernest, Fred, assignor to G. H. Hall, Los Angeles, Calif. Piston ring. 2,600,745, June 17.

Ernst, Walter, Dayton, by mesne assignments, to The Thompson Grinder Company, Springfield, Ohio. Fluid pressure control valve. 2,600,746, June 17.

Evans, Llewellyn W., Rivera, assignor to Rheem Manufacturing Company, Richmond, Calif. Sheet rolling machine. 2,600,628, June 17.

Everlasting Valve Company, assignee: *See*—
Harrower, William.

Ewen, Harold I., United States Navy. Electronic physchrometer. 2,600,396, June 17.

Eyre, Reginald J., Toronto, Ontario, Canada. Film clip. 2,600,980, June 17.

Fahey, Thomas H., Portland, Maine. Litter collector. 2,600,981, June 17.

Fairbanks, Morse & Co., assignee: *See*—
Zabel, George W.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Gregory, Alfred T.

Falk Corporation, The, assignee: *See*—
Schmitter, Walter P.

Farris, Victor W., Tenafly, N. J. Pinch valve. 2,600,493, June 17.

Faust, Morris C., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Gravity conveyer for cartons with bottom adhesive appliers. 2,600,747, June 17.

Fechheimer, Paul R., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Control and cutoff mechanism for filling machines. 2,600,982, June 17.

Feierabend, Louis B., assignor to Super Ž Manufacturing Co., Pearl River, N. Y. Fishing rod joint. 2,600,629, June 17.

Fell Developments Limited, assignee: *See*—
Fell, Louis F. R., and Cousins.

Fell, Louis F. R., Littleover, and R. J. W. Cousins, Shoreham-by-Sea, assignors to Fell Developments Limited, London, England. Compression ignition power plant. 2,600,983, June 17.

Fenton, Frank, Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Inflation valve. 2,600,862, June 17.

Fergusson, Hugh B., Bromley, England. Construction of thick-walled high-pressure vessels. 2,600,630, June 17.

Fernsel, Willis O., Los Angeles, Calif. Slingshot with automatic sight. 2,600,524, June 17.

Ferro, Bernardo J., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Low-temperature separation process. 2,600,494, June 17.

Feustel, Ernest A., Inc., assignee: *See*—
Spindler, Kurt P.

Fields, Ernest, New York, N. Y. Animated mechanical toy. 2,600,984, June 17.

Fil-Rite Company, The, assignee: *See*—
Purvis, Judson A.

Fish, John J., assignor to Sun Chemical Corporation, New York, N. Y. Preparing blends of hydrocarbon polymers and petroleum waxes. 2,601,109, June 17.

Fischer, Ernst F., Zurich, Switzerland. Automatic regulation of light falling on deformable cathode-ray tube screen. 2,600,397, June 17.

Fisher, Charles H.: *See*—
Mast, William C., Rehberg, and Fisher.

Fisher, John H., Quebec, Quebec, and B. R. Mead, Saint Catharines, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada. Pulping lignocellulose with sodium aluminate. 2,601,110, June 17.

Fitch, Clifford E., Crete, Ill. Impact wrench. 2,600,495, June 17.

Florsheim Shoe Company, The, assignee: *See*—
Handa, Coleman.

Fluty, John L., Visalia, Calif. Gun sight. 2,600,985, June 17.

Fon Dersmith, Charles R.: *See*—
Reinartz, Leo F., and Fon Dersmith.

Foote Bros. Gear and Machine Corporation, assignee: *See*—
Nelson, Bertel S.

Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Cellular glass of increased durability. 2,600,525, June 17.

Fosdick Machine Tool Company, The, assignee: *See*—
Knosp, Robert N., Linden, and Wetzel.

Foster, Alfred E., Birmingham, England. Foldable cot for infants. 2,601,111, June 17.

Foster, Edwin E., Austin, Tex. Wringer pressure applying mechanism. 2,600,398, June 17.

Fox, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Flash holder bracket attachment for cameras with resiliently held latches. 2,600,748, June 17.

Fragen, Nathan, Hammond, and R. M. Alm, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Obtaining purified phenols and cresols of petroleum origin. 2,600,621, June 17.

Frank, Arthur W.: *See*—
Sommers, Robert H., and Frank.

Frankenburg, Walter G., Millersville, Pa., and E. T. Layng, assignors to Hydrocarbon Research, Inc., New York, N. Y. Catalytic reduction of carbon monoxide with hydrogen. 2,600,399, June 17.

Frederick, Robert D. L., Essendon, near Melbourne, Victoria, Australia. Apparatus for effecting liquid penetration of fabrics. 2,600,863, June 17.

Fredrick, Raymond R., assignor to The Bastian-Blessing Company, Chicago, Ill. Article dispenser control unit. 2,601,205, June 17.

Freedman, Emiel, Nanuet, N. Y. Resilient spring envelope for collapsible tubes. 2,600,631, June 17.

Freedman, Louis, Mount Vernon, assignor to U. S. Vitamin Corporation, New York, N. Y. Saline composition. 2,601,112, June 17.

French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Variable capacity vane-type rotary pump including automatic means for maintaining uniform delivery. 2,600,632, June 17.

French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Constant volume variable speed driven vane pump. 2,600,633, June 17.

Friedman, Maurice, St. Paul, Minn., assignor to Galvanic Products Corporation, Valley Stream, N. Y. Rechargeable dry cell battery. 2,600,526, June 17.

Fritzlen, Thomas L., Hinsdale, Ill., assignor to Reynolds Metals Company, Richmond, Va. Medium-strength corrosion-resistant aluminum alloys. 2,601,206, June 17.

Fuller, Ward M., Sandusky, Ohio. Foot support. 2,600,864, June 17.

Funk, Robert L.: *See*—
Brandau, Karl J., and Funk.

Furnas Electric Company, assignee: *See*—
Cobb, Harold E., and Koertge.

Gaasbeck, Cornelius, Brooklyn, N. Y. Container opener. 2,600,866, June 17.

Gallagher, Henry A., Los Angeles, Calif. Key holder. 2,600,749, June 17.

Gallagher, Richard L., Erie, Pa. Filing cabinet drawer. 2,600,986, June 17.

Gallery, Daniel V., Jr., U. S. Navy. Gun sight. 2,600,400, June 17.

Gallice, Claude, Oceanside, Calif. Revolving lawn sprinkler. 2,600,987, June 17.

Galvanic Products Corporation, assignee: *See*—
Friedman, Maurice.

Gandrud, Ebenhard S., Owatonna, Minn. Land measuring instrument. 2,600,865, June 17.

Gannon, John J., Clinton, Mass., assignor to Chicopee Manufacturing Corporation. Prefolded diaper. 2,600,634, June 17.

Gans, Melvin L., assignee: *See*—
Murray, Michael F.

Gardner, Charles W., Glenside, Pa., assignor, by mesne assignments, to Prestige, Incorporated, New York, N. Y. Hosiery mending machine. 2,600,635, June 17.

Gates Rubber Company, The, assignee: *See*—
Hurry, James A., and Nassimbene.

Gauchard, Fernand, Santenay, France. Apparatus for producing the suspension of a liquid in a gasiform atmosphere. 2,600,503, June 17.

Gaudet, Ernest F., Hebronville, and L. A. Gaudet, South Attleboro, Mass. Automobile jack. 2,600,750, June 17.

Gaudet, Leo A.: *See*—
Gaudet, Ernest F. and L. A.

Gaylord Container Corporation, assignee: *See*—
Gillespie, Wilbur F.

Gazda, Antoine, Providence, R. I. Illuminated combined optical mirror signal device for vehicles and the like. 2,600,751, June 17.

General Aniline & Film Corporation, assignee: *See*—
Polydoroff, Wladimir J.

General Binding Corporation, assignee: *See*—
Emmer, Charles E.

General Controls Co., assignee: *See*—
Henriksen, Harvey E.

General Electric Company, assignee: *See*—
Casler, Adrian F.
Dormont, Jean.
Hargrove, Frank L.
Hurd, Dallas T.
Jamieson, Hugh W., and Whinnery.
Keim, Donald B.
Marks, Louis W.
Nerad, Anthony J.
Raney, Edwin A.
Runaldue, Lewis R.
Wolfe, John K.

General Precision Laboratory Incorporated, assignee: *See*—
Hales, Everett B.

General Steel Castings Corporation, assignee: *See*—
Travilla, James C., Jr., and Glenn.

Gerritsen, Dirk J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Separating shells and meat of shellfish. 2,600,867, June 17.

Gettins, Edwin G., Los Angeles, Calif. Aerator. 2,600,752, June 17.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Logan, Joseph A.
Rapisarda, Edward D.

Gilbert, Harold H., La Honda, Calif. Andiron. 2,600,753, June 17.

Gilbert, Wesley R., Cranston, assignor to C. I. Hayes, Providence, R. I. Reciprocating hearth mechanism. 2,600,401, June 17.

Gillespie, Wilbur F., Bogalusa, La., assignor to Gaylord Container Corporation, St. Louis, Mo. Paperboard product and making same. 2,601,114, June 17.

Gilliam, Arley R., Kingsport, Tenn. Attachment for book sewing machines. 2,601,113, June 17.

Glaxo Laboratories Limited, assignee: *See*—
Borrows, Edward T., and Clayton.

Glenn, Benjamin E., Jr.: *See*—
Travilla, James C., Jr., and Glenn.

Goetz, Henry G., Short Hills, and H. F. Ruschmann, Bernardsville, N. J. Definite position release type clutch. 2,600,636, June 17.

Gold, Solomon, Wimbledon, London, England. Electrically maintained pendulum motors, particularly for clocks. 2,600,754, June 17.

Goldrei, Abraham, London, England. Materials for use in packing eggs. 2,600,637, June 17.

Gollong, Richard J., assignor to American Viscose Corporation, Wilmington, Del. Wash plug. 2,600,638, June 17.

Goodrich, B. F., Company, The, assignee: *See*—
Beears, Warren L.

Gordon, Carroll G., Pasadena, Calif., assignor to North American Aviation, Inc. Wing slat operating mechanism. 2,600,527, June 17.

Gordon, Melvin J., Brookline, Mass., assignor to M. J. and S. Z. Gordon and N. G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H. Stocking and affixing an adhesive transfer thereto. 2,601,115, June 17.

Gordon, Sadye Z., assignee: *See*—
Gordon, Melvin J.

Gorin, Manuel H.: *See*—
Rosenstein, Ludwig, and Gorin.

Gornick, Stanley J., Milwaukee, Wis. Snow melting furnace. 2,601,116, June 17.

Gottlieb, Nathan: *See*—
Rosenthal, Paul, Polanyi, and Gottlieb.

Grace, Edward J., Jr., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for elevating contact material. 2,600,528, June 17.

Graham, Frank L., San Francisco, Calif. Applying and removing extension device for temporary rivets. 2,601,117, June 17.

Grandstaff, Otho D., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Voltage regulating system. 2,600,639, June 17.

Greene, Claude E., and R. B. Lesher, Sidney, Ohio, assignors to The Monarch Machine Tool Company. Constant surface speed lathe. 2,600,988, June 17.

Greensfelder, Elmer L., Provincetown, Mass. Cover rack. 2,600,755, June 17.

Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cylinder construction for cooling valve seat inserts. 2,600,529, June 17.

Gresham, Donald C., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic color correction process. 2,600,756, June 17.

Griffin, Cecil M., Pittsburgh, Pa. Pantograph machine tool. 2,600,402, June 17.

Griffin, Grant C., McMasterville, Quebec, and W. G. Ivany, James Island, British Columbia, assignors to Canadian Industries Limited, Montreal, Quebec, Canada. Packing machine for powder materials. 2,600,530, June 17.
Grimston, Francis B. S., Bideford, North Devon, England. Folding boat. 2,600,757, June 17.
Gross, Adolph J., Chicago, Ill. Automatic lock for trailer vacuum brakes. 2,600,758, June 17.
Gross, William A., Portland, Oreg. Combination foot lounge. 2,600,759, June 17.
Grosse, Frank: *See*——
Barnes, Charles H., and Grosse.
Gruber, Melcora B., Westminster, Md. Bed guard rail. 2,601,015, June 17.
Guesmer, George O., Minneapolis, and H. E. Schulze, Fairmont, Minn. Sliced bread dispensing machine. 2,601,118, June 17.
Guffey, Oliver J., assignor to I. B. Smitha, Edinburg, Ind. Rotisserie. 2,600,760, June 17.
Guillet, Albert M., Charlotte, N. C. Interchangeable roller neck for textile fluted rolls. 2,601,134, June 17.
Gulf Oil Corporation, assignee: *See*—
Slater, William A.
Wagner, Bernard.
Gulf Research & Development Company, assignee: *See*—
Helwig, Ralph W.
Gullick, Ernest D. M., assignor to Mavor & Coulson, Limited, Glasgow, Scotland. Mining machine. 2,600,640, June 17.
Gutmann, Ferdinand, & Co., assignee: *See*—
Cohn, Benno.
Guyer, Morris W., assignor to Calkins Manufacturing Company, Spokane, Wash. Seed treating machine. 2,600,641, June 17.
Hafner, Raoul, assignor to The Bristol Aeroplane Company Limited, Bristol, England. Rotary wing aircraft. 2,600,531, June 17.
Hagedorn, Roy W., Denver, Colo. Tractor-implement hitch. 2,600,642, June 17.
Hagelgantz, Wesley, Bazine, Kans. Portable welder. 2,600,643, June 17.
Haig, Elmer A.: *See*—
Comegys, Courtney L., and Haig.
Hale, Douglas, University City, Mo., and E. J. Carpenter, Battle Creek, Mich., assignors to Ralston Purina Company, St. Louis, Mo. Manufacture of cereal food products. 2,600,532, June 17.
Hales, Everett B., Mount Kisco, N. Y., assignor to General Precision Laboratory Incorporated. Color television recording apparatus. 2,600,868, June 17.
Hall, Guy H., assignee: *See*—
Ernest, Fred.
Hall, Rupert E., Houston, Tex. Anchorage for artificial teeth. 2,600,496, June 17.
Halliburton, Erle P., Los Angeles, Calif. Offshore drilling means. 2,600,761, June 17.
Haloid Company, The, assignee: *See*—
Sabel, Edward R., and Macey.
Hamer, Leland S., Long Beach, assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif. Line blind construction. 2,600,497, June 17.
Hamerly, Hugo A., and S. H. Wright, Chicago, Ill.; said Wright, assignor to said Hamerly. Device for gauging recess diameters. 2,600,498, June 17.
Hammar, Gustaf W., Rochester, N. Y., assignor to the United States of America as represented by the Secretary of War. Firearm with time delay firing means. 2,601,135, June 17.
Hammond, Gordon, Ashland, assignor to Reynolds Metals Company, Richmond, Va. Container. 2,600,989, June 17.
Hand, John L. H., Bala-Cynwyd, Pa. Illuminated dial. 2,600,644, June 17.
Hands, Coleman, Capron, assignor, to The Florsheim Shoe Company, Chicago, Ill. Insole and making same. 2,601,136, June 17.
Haner, Victor C.: *See*—
Ekholm, Erik, and Haner.
Hanlon & Wilson Company, assignee: *See*—
Wilson, John R.
Hanson, Alden W.: *See*—
Amos, James L., McCurdy, and Hanson.
Hanson, Walter J., Port Chester, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn. Letter actuated tripping device in postage printing machines. 2,600,990, June 17.
Hardy, Pierre, P. E., Neuilly sur-Seine, assignor to C. Chabal & Cie (Societe en Commandite par Actions) and Etablissements Nevrpic, Paris, France. Filtration plant flow control responsive to demand. 2,601,137, June 17.
Hargrove, Frank L., Schenectady, N. Y., assignor to General Electric Company. Labyrinth seal arrangement. 2,600,991, June 17.
Harkness, George K.: *See*—
Harkness, John M., and G. K.
Harkness, John M., Eltham, and G. K. Harkness, Bexley, assignors to Eugene O'Sullivan, Chislehurst, England. Transporting and/or storing of goods and the like. 2,600,869, June 17.
Harrington, Edward M., St. Louis, Mo. Brassière. 2,600,645, June 17.
Harris, Carl C., assignor to The Stencil Co., Orange, Mass. Memorandum pad unit. 2,600,533, June 17.
Harris D. P., Hardware & Manufacturing Co., Inc., assignee: *See*—
Lyman, Wendell G.
Harrower, William, assignor to Everlasting Valve Company, Jersey City, N. J. Swinging gate valve mechanism. 2,600,499, June 17.
Hart, Lester C., assignor to Hi-Voltage Equipment Company, Cleveland, Ohio. High-voltage switch. 2,601,138, June 17.
Hartford National Bank and Trust Company, trustee, assignee: *See*—
Diemer, Gesinus.
Gerritsen, Dirk J.
Mol, Evert A. J.
Hartshorn, Stanley D.: *See*—
Borton, George W., and Hartshorn.
Hartz, Raymond J., Cuyahoga Falls, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Starter generator. 2,600,762, June 17.
Hartz, Raymond J., Cuyahoga Falls, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Speed governor. 2,600,763, June 17.
Harvel Research Corporation, assignee: *See*—
Harvey, Mortimer T.
Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Partially hydrogenated furfuraldehydeketone reaction products thickened under acidic conditions. 2,600,403, June 17.
Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Hydrogenated products. 2,600,764, June 17.
Harwood, Kenneth J.: *See*—
Rickard, Charlotte I., and Harwood.
Hathaway, Jarrett L., Manhasset, and J. G. Petit, Port Jefferson, N. Y., assignors to Radio Corporation of America. Synthetic reverberation system. 2,600,870, June 17.
Hauch, Walter E., Forest Park, assignor to Swift & Company, Chicago, Ill. Preparing a comminuted meat product. 2,600,765, June 17.
Haugland, Olaf J., Chicago, Ill. Cake slicer. 2,600,646, June 17.
Hauser, Joseph E., Akron, assignor to The Scrugo Rubber Company, Cuyahoga Falls, Ohio. Finger magnet device. 2,600,647, June 17.
Hawkinson, Paul E., assignor to P. E. Hawkinson Company, Minneapolis, Minn. Making coiled wire for use in antiskid pneumatic tire treads. 2,600,534, June 17.
Hawkinson, Paul E., Company, assignee: *See*—
Hawkinson, Paul E.
Hayes, Carl L., assignee: *See*—
Gilbert, Wesley R.
Haynes, James R., Chatham, and W. Shockley, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor signal translating device with controlled carrier transit times. 2,600,500, June 17.
Hayward Tyler & Co. Limited, assignee: *See*—
Ivanoff, Victor.
Heald Machine Company, The, assignee: *See*—
Voedisch, Alfred.
Hearne, George W., and C. G. Schwarzer, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Hydrolysis of alpha-hydrocarbon-alpha, beta-dihalocarbonylic compounds. 2,600,766, June 17.
Heckman, John A., Wheeling, Ill. Carbon paper pack. 2,600,535, June 17.
Hees, George: *See*—
Jacobs, Harold, and Hees.
Heil Co., The, assignee: *See*—
French, Henry C.
Helwig, Ralph W., Verona, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Continuous conveyer-reactor chamber. 2,600,871, June 17.
Hendricks, James O., White Bear Lake, and C. A. Dahlquist, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Oil-resistant adhesive tape. 2,601,016, June 17.
Henriksen, Harvey E., assignor to General Controls Co., Glendale, Calif. Fluid control valve. 2,600,872, June 17.
Herrell, Robert L., Wichita Falls, Tex. Mechanism for shifting gears. 2,600,767, June 17.
Herrick, Percy H., Baltimore, Md., assignor to Products Manufacturing Co., Inc. Hubcap retainer. 2,601,017, June 17.
Herrick, Roswell H., Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay registering system. 2,600,648, June 17.
Hertz, David B.: *See*—
Piperoux, Rene P., Hertz, and Culpepper.
Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Rocker bearing for running gears. 2,600,768, June 17.
Heuse, Ralph O., Wilmington, and P. J. Wingate, Collins Park, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing crystal violet. 2,600,649, June 17.
Heusted, George B.: *See*—
Bauman, William C., and Heusted.
Hevi Duty Electric Company, assignee: *See*—
Sommers, Robert H., and Frank.

Heyl, Richard E., Palo Alto, and E. R. Nett, Oakland, Calif., assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Blending of viscous liquids. 2,601,018, June 17.
Hieger, Robert H., Detroit, Mich. Carburetor economizer mechanism. 2,600,650, June 17.
Higgs, George W., London, England. Oxygen tent or like enclosure. 2,600,501, June 17.
Hill, Edmund W., Belgrade Lakes, Maine. Ball cock. 2,601,139, June 17.
Hilliard, Robert S., assignee: *See*—
Olson, Clarence A.
Hindle, Thomas, Blackburn, England. Reed support. 2,600,536, June 17.
Hinds, Sherwood: *See*—
Jauch, Robert J., Hinds and Sturm.
Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Wheel slide indicating apparatus. 2,601,140, June 17.
Hi-Voltage Equipment Company, assignee: *See*—
Hart, Lester C.
Hobart, Leo G., Inglewood, Calif. Pin opening device. 2,600,769, June 17.
Hoberg, Carl G.: *See*—
Klein, Ben, and Hoberg.
Hockery, John C., trustee, assignee: *See*—
McLean, Robert E.
Hoe, R., & Co., Inc., assignee: *See*—
Livingston, Stanley D.
Hoeppel, Raymond W., Arcadia, Calif., assignor to National Lead Company, New York, N. Y. Treatment of well-drilling fluids. 2,600,404, June 17.
Hoeppner, Conrad H., Washington, D. C. Selective communication system. 2,600,405, June 17.
Hofacer, Simon C., Oscoda, Mich. Oil can drain stand. 2,600,770, June 17.
Hoffmann, Karl, Binningen, and E. Tagmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Amino-aryl-pyridyl-alkanols and their esters. 2,601,141, June 17.
Hofmann, Victor E., Toledo, Ohio. Instrument holder. 2,600,771, June 17.
Hogan, Amos: *See*—
Roberts, James W., R. D. and A. Hogan
Hogan, Robert D.: *See*—
Roberts, James W., A. and R. D. Hogan.
Hogg, William J., and D. R. Powell, Cleveland, Ohio, assignors to The National Acme Company. Chaser mounting. 2,600,651, June 17.
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calling line and private branch exchange line identifier. 2,600,502, June 17.
Hollansworth, George W., deceased, Knox, Ind., E. Busse, executrix. Spreader disk mounting for colter blades. 2,601,019, June 17.
Holloway, Dennis G., assignor to British Telecommunications Research Limited, Taplow, England. Balanced modulator. 2,600,873, June 17.
Holsclaw, Charles H., Evansville, Ind. Suspending boats from trailers. 2,600,406, June 17.
Holt, Clarence E.: *See*—
Cloedy, Frederick W., and Holt.
Honeycutt, Earl M., Claymont, Del., assignor to Sun Oil Company, Philadelphia, Pa. Recovery of deashed oil and naphthenic acids from residuum stocks. 2,600,537, June 17.
Hooper, F. X., Company, Inc., assignee: *See*—
Mumma, Elmer L.
Hoot, Frank J., Tulsa, Okla. Antibacklash reel. 2,601,021, June 17.
Hopp, Harold C., Des Plaines, assignor to Standard Cap and Seal Corporation, Chicago, Ill. Apparatus for packaging materials. 2,601,020, June 17.
Horn, Harry L., assignor to Universal Mono-Tabular Corporation, Dallas, Tex. Die or mold and cooling assembly therefor. 2,600,772, June 17.
Hotpoint Inc., assignee: *See*—
Swisher, Thomas H.
Houdaille-Hershey Corporation, assignee: *See*—
Sebok, Frank.
Howes Leather Company, Inc., assignee: *See*—
Jennings, George H.
Hoza, William J., Hartford, Conn. Adjustable choke means for shotguns. 2,600,874, June 17.
Hrdlicka, Edward J., Jr., Painesville, assignor to Hydraulic Equipment Company, Cleveland, Ohio. Silent relief valve for hydraulic systems. 2,600,875, June 17.
Hubbard, William J., Toledo, Ohio. Electric switch. 2,601,142, June 17.
Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Control switch. 2,600,652, June 17.
Huebner, Charles F.: *See*—
Campbell, Harold A., Stahmann, Huebner, and Link.
Huffman, Russell I., Dover, Ohio, assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Iron stand. 2,600,653, June 17.
Hughes, Richard H., Lancaster, Pa., assignor to Radio Corporation of America. Second anode focusing electrode. 2,601,143, June 17.
Hungerford, Fred C., Horseheads, N. Y. Fish landing net. 2,600,773, June 17.

Hunt, John W., assignor of one-half to W. P. Barrett, Pontiac, Mich. Load-carrying safety switch. 2,601,144, June 17.
Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Purification of metal carbonyls. 2,601,022, June 17.
Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of tungsten carbide. 2,601,023, June 17.
Hurd, Edwin P., and H. F. Dies, assignors to Hurd Lock and Manufacturing Company, Detroit, Mich. Enclosed level-wind for fishing reels. 2,600,774, June 17.
Hurd Lock and Manufacturing Company, assignee: *See*—
Hurd, Edwin P., and Dies.
Hurry, James A., and E. Nassimbene, assignor to The Gates Rubber Company, Denver, Colo. Method and apparatus for making and curing power transmission belts. 2,600,775, June 17.
Husqvarna Vapenfabriks Aktiebolag, assignee: *See*—
Karlsson, Anders B. E.
Karlsson, Anders B. E., and Eriksson.
Hutchinson, Herman R., Jenkintown, assignor to C. F. Rumpp & Sons, Philadelphia, Pa. Wallet. 2,601,145, June 17.
Hydraulic Equipment Company, assignee: *See*—
Hrdlicka, Edward J., Jr.
Hydrocarbon Research, Inc., assignee: *See*—
Frankenburg, Walter G., and Layng.
Riblett, Earl W.
Ilford Limited, assignee: *See*—
Edwards, Harry D.
Illinois Tool Works, assignee: *See*—
O'Connor, John B.
Poupitch, Ougljesa J.
Illinois Watch Case Co., assignee: *See*—
King, David M.
Ingwer, Carl H., assignor to The Ridge Tool Company, Elyria, Ohio. Threading die. 2,600,776, June 17.
Institute of Inventive Research, assignee: *See*—
Swearingen, Judson S.
Interchemical Corporation, assignee: *See*—
Linkletter, Olive-Sue.
Tyler, John E.
Weber, Ira.
Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Shaw, John M., Bartley, and Rosenfels.
Wyman, Wallace F., and Back.
International Cellucotton Products Company, assignee: *See*—
Collins, Howard A., and Ruth.
Kellett, William R., and Veler.
Rickard, Charlotte I., and Harwood.
International Harvester Company, assignee: *See*—
Millard, Lee P.
International Minerals & Chemical Corporation, assignee: *See*—
Tidwell, Calvin M.
Ivanoff, Victor, Bedford, assignor to Hayward Tyler & Co. Limited, Luton, England. Reducing heat transfer along shafts. 2,601,146, June 17.
Ivany, Walter G.: *See*—
Griffin, Grant C., and Ivany.
Jack & Heintz, Inc., assignee: *See*—
Hartz, Raymond J.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Hartz, Raymond J.
Jackes-Evans Manufacturing Company, assignee: *See*—
Jackes, Stanley F., and Sheets.
Jackes, Stanley F., University City, Mo., and R. H. Sheets, Granite City, Ill., assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo. Handling apparatus for hollow coils and the like. 2,600,538, June 17.
Jackson, Elwood F.: *See*—
Scott, Milton J., and Jackson.
Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Wind tunnel window structure. 2,601,148, June 17.
Jackson, John G., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,601,147, June 17.
Jacobs, Edward C., San Mateo, Calif., and L. G. Lundsted, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Chromic oxide-cadmium chloride-cadmium oxide catalyst. 2,600,654, June 17.
Jacobs, Edward C., San Mateo, Calif., and L. G. Lundsted, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Chromium oxide-tungsten oxide-iron oxide gel catalyst. 2,600,655, June 17.
Jacobs, Harold, Long Branch, N. J., and G. Hees, Woodside, N. Y. assignors to Sylvania Electric Products Inc. Electrode structure for electron discharge devices. 2,601,024, June 17.
Jacques, Stanley A., assignor to Askania Regulator Company, Chicago, Ill. Fluid regulator. 2,601,207, June 17.
James Hosiery Mills, assignee: *See*—
Lane, Basil H.
Jamieson, Hugh W., Los Angeles, and J. R. Whinnery, Berkeley, Calif., assignors to General Electric Company. High-frequency electric discharge device. 2,601,025, June 17.
Jamison, Roger E., Jr., Washington, D. C. Fire helmet having retractible transparent visor. 2,601,149, June 17.

Jasta A. G., Jurich, assignee: *See*—
Staller, Jan.

Jauch, Robert J., Fort Wayne, S. Hinds, Columbia City, and F. W. Sturm, assignors to The Wayne Pump Company, Fort Wayne, Ind. Airport fueling mechanism. 2,600,876, June 17.

Jeffree, John H., Cobham, England. Device for mixing fluids. 2,600,877, June 17.

Jeffrey Manufacturing Company, The, assignee: *See*—
Lee, Arthur L.

Jenesel, Nickolas D., Dearborn, W. R. Coleman, Grosse Pointe, and H. M. Crooks, Jr., assignors to Parke, Davis & Company, Detroit, Mich. Producing salts of d-Tubocurarine. 2,600,539, June 17.

Jennings, George H., Cincinnati, Ohio, assignor Howes Leather Company, Inc., Boston, Mass. Apparatus for drying leather and other sheet material. 2,601,150, June 17.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine Foundry Company. Loaf wrapping machine. 2,600,878, June 17.

Jenson, Kenneth S., and W. N. Nelson, assignors to Prentiss Wabers Products Company, Wisconsin Rapids, Wis. Support for oven burner assemblies. 2,600,656, June 17.

Johnson, Arthur, Leeds, and E. G. Milliatt, Maidenhead, assignors to Alginate Industries Limited, London, England. Forming paper from modified calcium alginate fibers. 2,600,504, June 17.

Johnson, Charles J., assignor of one-half to F. E. King, Sacramento, Calif. Power-operated disinfecting pruning shears. 2,600,540, June 17.

Johnson, Clarence, South Euclid, Ohio, assignor to Bailey Meter Company. Follow-up pressure fluid servomotor. 2,600,777, June 17.

Johnson, Gordon, Company, assignee: *See*—
Johnson, Gordon W.

Johnson, Gordon W., Raytown, assignor to Gordon Johnson Company, Kansas City, Mo. Utensil washing machine. 2,600,541, June 17.

Johnson, Paul W., Bloomfield, Conn. Gauge having pivoted elements. 2,601,119, June 17.

Johnson, S. C., & Son, Inc., assignee: *See*—
Faust, Morris C.

Jones, Basil E.: *See*—
Tully, James K., and Jones.

Jones, Bryan S. W., El Monte, Calif. Tie case. 2,600,657, June 17.

Jones, Charles E., assignor to Rockwell-Barnes Company, Chicago, Ill. Index tab. 2,601,026, June 17.

Jones, Max H., Evanston, assignor to Tribune Company, Chicago, Ill. Layout board for photographic reproduction. 2,600,505, June 17.

Jorgensen, Kay R., assignee: *See*—
Ledbetter, Ellsworth C.

Jourdain, André P., Brussels, Belgium, assignor to Compagnie Internationale des Pieux Armés Frankignoul, Liege, Belgium, Societe Anonyme. Movable device for driving piles and the like. 2,600,542, June 17.

Jowett Cars Limited, assignee: *See*—
Korner, Reginald J.

Karlberg, Arvid E., Chicago, Ill. Shaft seal. 2,600,879, June 17.

Karle, John D., Roselle Park, N. J. Attachment for safety razors. 2,600,880, June 17.

Karlsson, Anders B. E., assignor to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Zigzag sewing machine. 2,600,543, June 17.

Karlsson, Anders B. E., and A. H. Eriksson, assignors to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Control of the feeding mechanism in sewing machines. 2,600,544, June 17.

Kay, William L., and C. E. Rick, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of titanium tetrachloride. 2,600,881, June 17.

Kearse Grover C., Leesburg, Ga. Peanut harvester. 2,600,992, June 17.

Keasbey & Mattison Company, assignee: *See*—
Ashman, Herbert W.

Keim, Donald B., Bridgeport, Conn., assignor to General Electric Company. Electron tube support and cooling device. 2,601,027, June 17.

Keller, Rex E., Beverly Hills, Calif. Power transmission mechanism. 2,601,151, June 17.

Kellett, William R., Menasha, and L. G. Veler, Neenah, Wis., assignors to International Cellucotton Products Company. Catamenial bandage and absorption control element therefor. 2,600,882, June 17.

Kellogg, M. W., Company, The, assignee: *See*—
Passino, Herbert J.
Rearick, John S.
Wrightson, John M.

Kellogg Switchboard and Supply Company, assignee: *See*—
Boyer, Richard P., Jr., and Bellamy.

Kelsay, Le Roy W., West Point Pleasant, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Protective device. 2,600,407, June 17.

Kenyon, William O.: *See*—
Reynolds, Delbert D., and Kenyon.

Kersten, Herbert H., Fort Dodge, Iowa. Differential thermostat with opposing bimetallic coils and partition therebetween. 2,601,028, June 17.

Kiefer, Karl, Machine Company, The, assignee: *See*—
Fechheimer, Paul R.

Kiley, Carrol R., Lisle, assignor to Valco Manufacturing Co., Chicago, Ill. Stringed musical instrument. 2,600,545, June 17.

Kimball, Vernon R., Maywood, N. J., and R. T. Maiorany, Bronx, N. Y., assignors to Bendix Aviation Corporation, Peterboro, N. J. Inductance type pick-off. 2,600,546, June 17.

Kimes, Harod E., assignor to Harold E. Kimes Corporation, Chicago, Ill. Metallic insert for pneumatic tires. 2,600,506, June 17.

Kimes, Harold E., Corporation, assignee: *See*—
Kimes, Harold E.

King, Anna R., assignee: *See*—
MacGillivary, John V.

King, David M., Kansas City, Kans., assignor to Illinois Watch Case Co. Making a thickened reinforced portion in a relatively thin metal plate. 2,601,029, June 17.

King, Frank E., assignee: *See*—
Johnson, Charles J.

King, Frederick H., Detroit, Mich. Plunger guide for marble shooters. 2,600,883, June 17.

Kingston, Ronald E., Ipswich, and R. G. Marchisio, Wenham, assignors to Sylvania Electric Products, Inc., Salem, Mass. Fixture reflector aligner. 2,600,884, June 17.

Klein, Ben, and C. G. Hoberg, Santa Monica, Calif.; said Hoberg assignor of one-third of the whole to said Klein. Barber's auxiliary seat. 2,600,547, June 17.

Klein, Chris, Naperville, R. C. Skarin, Western Springs, and W. G. Tinker, Itasca, assignors to The Petersen Oven Company, Franklin Park, Ill. Centrifugal blower. 2,601,030, June 17.

Klever, Waldo H., and N. T. Stone, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Photoelectric discharge device. 2,601,208, June 17.

Kline, Richard C., Mount Kisco, N. Y., and J. Miller, Asheville, N. C., said Miller assignor to said Kline. Carpet tufting machine. 2,600,993, June 17.

Klutke, Fritz K., assignor to O. H. Drager, Lubeck, Germany. Measuring instrument. 2,600,778, June 17.

Kmiecik, Leo J., assignor to McDonnell & Miller, Inc., Chicago, Ill. Snap switch. 2,601,152, June 17.

Knapp-Monarch Company, assignee: *See*—
Huck, Alfred J.
Huffman, Russell I.
Knopp, Rudolph.
Kochner, William B.

Knight, Mark B., East Orange, N. J., assignor to Radio Corporation of America. High-voltage supply. 2,601,153, June 17.

Knopp, Rudolph, assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Shaver structure. 2,600,658, June 17.

Knosp, Robert N., Ludlow, Ky., C. E. Linden, Cincinnati, and F. O. Wetzel, Norwood, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Control mechanism for tapping machines. 2,600,779, June 17.

Koch, Charles J., Jr., Cincinnati, Ohio. Combined float and mercury switch. 2,600,659, June 17.

Kochner, William B., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Manually and automatically operated valve. 2,600,660, June 17.

Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Spraying valve structure. 2,600,661, June 17.

Koertge, Nobel H.: *See*—
Cobb, Harold E., and Koertge.

Köhler, Franz, Alsbach Bergstrasse, assignor to Deutsche Gold-und Silber-Scheideanstalt vormals Roesler, Frankfurt on the Main, Germany. Urea aldehyde resin and producing the same. 2,600,780, June 17.

Kollsman Instrument Corporation, assignee: *See*—
Andresen, John H., Jr.

Komarek-Greaves & Company, assignee: *See*—
Komarek, Gustav.

Komarek, Gustav, assignor to Komarek-Greaves & Company, Chicago, Ill. Fluxing apparatus. 2,600,408, June 17.

Koonz, Carl H., assignor to Swift & Company, Chicago, Ill. Poultry dressing method. 2,600,781, June 17.

Köpfli, Josef, Wil, Switzerland. Steering gear for motor vehicles. 2,600,885, June 17.

Korner, Reginald J., assignor of one-half to Jowett Cars Limited, Bradford, England. Chair or seat. 2,600,886, June 17.

Kraft Foods Company, assignee: *See*—
Miller, Roland E.

Krejci, Joseph C., Phillips, Tex., assignor to Phillips Petroleum Company. Carbon black process and apparatus. 2,600,994, June 17.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company. Copolymers of dimethylstyrenes and vinyl cyclic compounds. 2,600,782, June 17.

Kropa, Edward L., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Copolymers of dimethylstyrenes and vinyl acyclic compounds. 2,600,783, June 17.

Krueger, Alfred M., Brooklyn, N. Y., and R. H. Peterson, Bergenfield, N. J., assignors to Peterson & Krueger, Inc., New York, N. Y. Memory device. 2,601,154, June 17.

Kubach, Richard, assignee: *See*—
Willis, Maurice B.

Kurlander, John H., Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Multilenticular collimating gun sight device and optical system. 2,600,662, June 17.

Kurtz, Jacob, Teaneck, N. J., assignor, by mesne assignments, to Sylvania Electric Products, Inc., New York, N. Y. Tungsten alloy. 2,600,995, June 17.

Lalime, Lester J., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding wheel truing apparatus. 2,600,548, June 17.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product comprising a light-sensitive diazonium compound, a coupler and a ruptureable containing means holding ammonia under pressure. 2,600,996, June 17.

Landwier, William G., Fayetteville, assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Combined clothes washer and extractor. 2,601,031, June 17.

Lane, Basil H., assignor of one-third to R. F. Morgan and one-third to James Hosiery Mills, Greeneville, Tenn. Stop-motion for full fashioned knitting machine. 2,601,155, June 17.

Langstaff, Clinton A.: *See*—
Collins, Lawrence B., and Langstaff.

Lannen, Joseph P., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich. Electric hoist. 2,600,887, June 17.

Lannen, Robert J., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich. Balance testing machine. 2,600,888, June 17.

Lasch, Simon, New Brunswick, N. J., assignor to Radio Corporation of America. Manganese activated zinc barium silicate phosphor. 2,601,032, June 17.

Lark-Horovitz, Karl and R. M. Whaley, assignors to Purdue Research Foundation, Lafayette, Ind. Alloys and rectifiers made thereof. 2,600,997, June 17.

Laszlo, Stephen E., assignee: *See*—
Lawrence, Andrew.

Lawrence, Andrew, assignor of one-half to S. E. Laszlo, New York, N. Y. Breech mechanism for air guns. 2,601,033, June 17.

Lax, Martin, Bronx, N. Y. Filter mechanism. 2,601,156, June 17.

Layng, Edwin T.: *See*—
Frankenburg, Walter G., and Layng.

Leahy, James F., and J. W. Ashley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in the attachment of heels to shoes. 2,600,507, June 17.

Ledbetter, Ellsworth C., Detroit, assignor to K. R. Jorgensen, Grosse Pointe Park, Mich. Apparatus for tensioning studs. 2,600,549, June 17.

Lee, Arthur L., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Driven steering wheel assembly for coal loaders. 2,600,663, June 17.

Lee, Richard D., New York, N. Y. Lamp diffuser for elongated tubular lamps. 2,601,034, June 17.

Leech, Aubrey B., Los Angeles, Calif. Animated decorative lamp. 2,600,664, June 17.

Lehane, Timothy J., North Riverside, assignor to Vapor Heating Corporation, Chicago, Ill. Railway car temperature control system. 2,600,889, June 17.

Lehman, Harry A., J. A. and W. W. Bateman, Mineral Wells, Tex. Ice sizing machine. 2,600,508, June 17.

Le Lan, Armand M., assignor to the Compagnie Generale de Construction de Locomotives (Batignolles-Chatillon), Paris, France. Device for imparting controlled displacements to machine-tool members. 2,601,157, June 17.

Lerbs, Alfred, Paris, France, assignor to Compagnie Generale De T. S. F. Traveling wave tube. 2,600,509, June 17.

Lesenyie, Louis J., Provo, Utah. Spool holder. 2,600,784, June 17.

Lesher, Robert B.: *See*—
Greene, Claude E., and Lesher.

Lester, Michael J., Chicago, Ill. Fishhook container. 2,600,665, June 17.

Leverett, Geneva, assignee: *See*—
Merrion, Marshel D.

Levesque, George N., Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company. Taper control indicator. 2,600,550, June 17.

Levy, Eric H., Baltimore, Md. Electronic impedance meter. 2,600,998, June 17.

Lew, Jacob B., assignee: *See*—
Sakirsky, Jack.

Lewis, William M., Brownfield, Tex. Combined cigarette extinguisher, ash tray, and paperweight. 2,600,785, June 17.

Lewis, William Y., assignor to Yorath Lewis Boilers Limited, London, England. Water tube steam generator of the field tube type. 2,600,999, June 17.

Lewis, Yorath, Boilers Limited, assignee: *See*—
Lewis, William Y.

Liebowitz, Benjamin, New York, N. Y. Anticurl device for collars. 2,601,035, June 17.

Liebowitz, Benjamin, New York, N. Y. Article of wearing apparel. 2,601,036, June 17.

Liebowitz, Benjamin, New York, N. Y. Inserting stay strips in collars. 2,601,037, June 17.

Liebowitz, Benjamin, Lewisboro, N. Y. Anticurl device for collars. 2,601,038, June 17.

Linden, Carl E.: *See*—
Knosp, Robert N., Linden, and Wetzel.

Lindquist, John C., Minneapolis, Minn. Tool for applying footwear identification. 2,600,551, June 17.

Link, Karl P.: *See*—
Campbell, Harold A., Stahmann, Huebner, and Link.

Linkletter, Olive-Sue, Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Textile decorating emulsion. 2,600,890, June 17.

Linthout, Theodoor H.: *See*—
Breuers, Theo P. C., and Linthout.

Lipe-Rollway Corporation, assignee: *See*—
Spase, Charles B.

Lippert, Erhard M., assignor to Victor Adding Machine Co., Chicago, Ill. Inking ribbon spool. 2,600,409, June 17.

Lisignoli, Eupelio, Cloverdale, Calif. Folding gaff hook. 2,600,510, June 17.

Livestock Sprayer Mfg. Co., assignee: *See*—
Abildgaard, William H.

Livingston, Stanley D., Freeport, assignor to R. Hoe & Co., Inc., New York, N. Y. Flywheel system. 2,600,552, June 17.

Livingstone, Jay G., Akron, Ohio. Pouring spout. 2,601,039, June 17.

Livingstone, Jay G., Akron, Ohio. Fitting and sealing means therefor. 2,601,040, June 17.

Livoni, Ralph C.: *See*—
Stuart, Robert B., and Livoni.

Lockwood Manufacturing Company, The, assignee: *See*—
Darnell, Jesse L.

Lockwood, Samuel P., Portland, Oreg. Double-run window. 2,600,786, June 17.

Lodwick, Gwylim S., Mystic, Iowa. Hacksaw machine. 2,600,787, June 17.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Controlling mechanism for flue cleaning means for heating apparatus. 2,601,041, June 17.

Loose Leaf Metals Co., assignee: *See*—
Schroer, Walter E.

Lord, William T., Freeport, N. Y. Collapsible tube holder with tube-winding spool. 2,600,553, June 17.

Loria, Anthony, A. Weissberger and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. Halogen-substituted pyrazolone couplers for color photography. 2,600,788, June 17.

Lövy, Geza, Buenos Aires, Argentina. Interchangeable heel for shoes. 2,600,511, June 17.

Lucas, Joseph, Limited, assignee: *See*—
Masterton, John.

Ludlow Typograph Company, assignee: *See*—
McCauley, John C.

Lundsted, Lester G.: *See*—
Jacobs, Edward C., and Lundsted.

Lyman, Wendell G., Brooklyn, assignor to D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y. Wheel test stand. 2,601,120, June 17.

Lyon, George A., Detroit, Mich. Wheel cover. 2,600,410, June 17.

Lyon, George A., Detroit, Mich. Wheel cover. 2,600,411, June 17.

Lyon, George A., Detroit, Mich. Wheel cover structure. 2,600,412, June 17.

Lyon, George A., Detroit, Mich. Wheel cover. 2,601,209, June 17.

Lyon Metal Products, Incorporated, assignee: *See*—
Bales, James E.

Lyons, Allan J., Glendale, Calif. Sprinkler. 2,600,554, June 17.

Macey, Edward T.: *See*—
Sabel, Edward R., and Macey.

MacGillivary, John V., El Monte, assignor of ten per cent to A. R. King, Hollywood, Calif. Wrist watch compact. 2,601,158, June 17.

MacNeille, Stephen M., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Vacuum system leak detector. 2,600,891, June 17.

Madsen, Liv, administratrix, assignee: *See*—
Madsen, Nils.

Madsen, Nils, deceased, Liv Madsen, administratrix, of said Nils Madsen, assignor to Liv Madsen, San Pedro, Calif. Lawn mower having opposite handed helical cutting blades. 2,600,892, June 17.

Magnetic Power, Inc., assignee: *See*—
Morrison, Willard L., Jr., and Cole.

Maier, August R., Oil City, Pa., assignor to United States Steel Company. Drive shaft assembly for rotary well-drilling apparatus. 2,600,555, June 17.

Maiorany, Robert T.: *See*—
Kimball, Vernon R., and Maiorany.

Malm, Elaine F., St. Paul, Minn. Protective pad for playpens or cribs. 2,600,556, June 17.

Malone, Harold L., Rochester, N. Y., and G. C. Underwood, Boston, Mass., assignors to Eastman Kodak Company, Rochester, N. Y. Flashlight device. 2,600,789, June 17.

Manchester Hosiery Mills, assignee: *See*—
Gordon, Melvin J.
Marchisio, Robert G.: *See*—
Kingston, Ronald E., and Marchisio.
Mariani, Dominic, J. A. Patasce and G. Roebuck, Youngstown, Ohio. Variable number indicator. 2,600,790, June 17.
Mariani, Frank N., New York, N. Y. Knuckle joint for rearvision reflectors. 2,600,893, June 17.
Marien, Clement S., Attleboro, Mass., assignor to Swank, Inc. Cuff button. 2,600,894, June 17.
Markarian, Moushy: *See*—
Ross, Sidney D., and Markarian.
Marks, Louis W., Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,601,042, June 17.
Marotta, Ralph: *See*—
Wilson, Ivan V., and Marotta.
Marriott, Ruby M., Hollywood, Calif. Scalp apron. 2,600,557, June 17.
Marsh Stencil Machine Company, assignee: *See*—
Marsh, Walton C.
Marsh, Walton C., assignor to Marsh Stencil Machine Company, Belleville, Ill. Dispensing machine. 2,601,159, June 17.
Marshall, Leonard J., Tenafly, N. J., assignor to Combustion Engineering-Superheater, Inc. Superheater control. 2,600,895, June 17.
Martensen, William M., Chicago, Ill. Fence. 2,600,666, June 17.
Martin, Jean: *See*—
Sourdet, Maurice and Martin.
Martin, Josef, Munich, Germany. Ash removal device. 2,600,896, June 17.
Mason, Ford S., Lockport, N. Y. Combined display sign and supporting base. 2,600,791, June 17.
Mason, Jack H.: *See*—
Mason, Porter H., W. D., and J. H.
Mason, James A., Beloit, Wis., assignor to Warner Electric Brake & Clutch Company, South Beloit, Ill. Automatic stop control for looms. 2,600,667, June 17.
Mason, Porter H., W. D., and J. H., Norfolk, Va. Hand stencil duplicator. 2,600,413, June 17.
Mason, William D.: *See*—
Mason, Porter H., W. D., and J. H.
Mast, William C., Philadelphia, C. E. Rehberg, Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Vulcanization of acrylic resins. 2,600,414, June 17.
Masterton, John, Dorridge, Birmingham, assignor to Joseph Lucas Limited, Birmingham, England. Protective means for electricity storage battery cases. 2,601,043, June 17.
Mathias, Berton M., Monte Vista, Colo. Drive motor control for engine electric driven vehicles 2,600,897, June 17.
Mattieson, Paul, Dearborn, Mich. Weedless fishhook. 2,601,160, June 17.
Mattox, William J., Baton Rouge, La., assignor to Standard Oil Development Company. Preconditioning hydrocarbon synthesis catalyst and removing fines therefrom. 2,601,121, June 17.
Mauborgne, Paul, Niort, France. Fishing reel with nonrotary bobbin. 2,600,558, June 17.
Mauchly, John W.: *See*—
Eckert, John P., Jr., and Mauchly.
Mavor & Coulson, Limited, assignee: *See*—
Gullick, Ernest D. M.
Maxwell, Vasco T., Houston, Tex. Hydraulically operated valve seat. 2,600,898, June 17.
Mayer, William H., Fort Wayne, Ind. Torque wrench. 2,601,044, June 17.
Mayner, Stanley, Cleveland Heights, assignor of two-fifth to T. S. Mayner, Russell Township, Ohio. Fluid power transmission. 2,601,045, June 17.
Mayner, Thomas S.: *See*—
Mayner, Stanley.
McAlister, Lawrence C., Jr., Cheverly, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Insecticidal composition comprising DDT, pyrethrins, and piperonyl butoxide. 2,600,668, June 17.
McAuliffe, Clifford L., San Pedro, Calif. Tube slotting machine. 2,600,669, June 17.
McCauley, John C., Mattapan, Mass., assignor to Ludlow Typograph Company, Chicago, Ill. Mold for casting printers' rules, leads, and the like. 2,600,559, June 17.
McClain, Francis L., Jacksonville, Fla. Dental appliance. 2,600,899, June 17.
McCurdy, John L.: *See*—
Amos, James L., McCurdy, and Hanson
McDonald, Dorothy L., assignee: *See*—
McDonald, Herman M.
McDonald, Herman M., assignor to D. L. McDonald, Evanston, Ill. Garment construction. 2,601,046, June 17.
McDonnell & Miller, Inc., assignee: *See*—
Kmiecik, Leo J.
McIntosh, Maurice D., Cleveland Heights, assignor to L. S. Sanders, Shaker Heights, Ohio. Medium for use in making camera copy and preparing the same. 2,601,161, June 17.
McKinley, Boyd R., Long Beach, Calif. Formation tester and pipe perforator with control means therefor. 2,601,122, June 17.
McLaughlin, Edward F., Philadelphia, Pa. Safety shoe. 2,601,162, June 17.
McLean, Robert E., Columbus, Ga., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Can opener. 2,600,792, June 17.
McMahon, William T., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Static frequency changer. 2,600,560, June 17.
McNeill, Albert G., assignor to Bachmann Bros. Inc., Philadelphia, Pa. Toy house. 2,600,900, June 17.
Meacham, Larned A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse modulation system. 2,600,561, June 17.
Mead, Bruce R.: *See*—
Fisher, John H., and Mead
Mead, Homer A., Turlock, Calif. Adjustable pliers. 2,600,512, June 17.
Mechanics National Bank of Worcester, The, executor: *See*—
Persons, Charles A.
Meilstrup, Emil E., and R. M. Sigmon, Jr., Winston-Salem, N. C., assignors to Western Electric Company, Incorporated, New York, N. Y. Testing pedestal for radar antenna. 2,600,513, June 17.
Meldau, Fred J., Denver, Colo. Beverage carbonating device. 2,600,901, June 17.
Merrion, Marshel D., assignor of one-half to Geneva Leverett, Brooklyn, N. Y. Page turner. 2,601,047, June 17.
Messerschmidt, Otto, assignor to Aluminiumwerke Goettingen G. m. b. H., Goettingen, Germany. Insulating handle. 2,600,902, June 17.
Metal & Thermit Corporation, assignee: *See*—
Richter, Hartmut W.
Meyer, Jean G. A. M. J., Neuilly-sur-Seine, assignor to S. A. T. A. M. Societe Anonyme pour tous Appareillages Mecaniques, La Courneuve, France. Variable ratio transmission. 2,600,562, June 17.
Michnoff, David, Brooklyn, N. Y. Key retainer. 2,600,563, June 17.
Micro-Poise Engineering and Sales Company, assignee: *See*—
Lannen, Joseph P.
Lannen, Robert J.
Mikeska, Louis A.: *See*—
Smith, Paul V., Jr., Mikeska and Popkin.
Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Water-soluble surface active agents from olefin polymers. 2,600,415, June 17.
Millard, Harper, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap action device. 2,600,564, June 17.
Millard, Lee P., Chicago, Ill., assignor to International Harvester Company. Drive mechanism. 2,600,416, June 17.
Millatt, Edwin G.: *See*—
Johnson, Arthur, and Millatt
Miller, Arthur J., Teaneck, N. J., assignor to Republic Pictures Corporation, New York, N. Y. Apparatus for treating sound tracks of color film. 2,600,565, June 17.
Miller, Harry, Lincoln, Nebr. Processing alfalfa. 2,600,903, June 17.
Miller, Joseph: *See*—
Kline, Richard C., and Miller.
Miller, Roland E., Freeport, assignor to Kraft Foods Company, Chicago, Ill. Dumping device. 2,601,163, June 17.
Minium, Bernice A., executrix: *See*—
Minium, George S.
Minium, George S., deceased, Chicago, Ill.; B. A. Minium, executrix. Track and hanger unit for doors. 2,600,670, June 17.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Bursack, William W.
Kliever, Waldo H., and Stone.
Millard, Harper.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Hendricks, James O., and Dahlquist.
Miron, Simon, Galveston, assignor to Pan American Refining Corporation, Texas City, Tex. Hydrofluoric acid refining of hydrocarbon oils. 2,600,671, June 17.
Mitchell, Percival H., Toronto, Ontario, Canada. Elliptical type street lighting reflector incorporating parabolic reflecting areas. 2,600,514, June 17.
Modine Manufacturing Company, assignee: *See*—
Spieth, Benjamin.
Moffett, Frank W., Jr., Chili, N. Y. Heating frozen food packages. 2,600,566, June 17.
Mol, Evert A. J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical conductors and making the same. 2,600,567, June 17.
Molloy, John A., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Core-supplying means for winding machines. 2,600,793, June 17.
Molloy, John A., Warwick, R. I., assignor to Universal Winding Company, Boston, Mass. Core-supplying means for winding machines. 2,600,794, June 17.
Moloney, Raymond T., assignee: *See*—
Benak, George R.
Collins, Edward J., Breither, and Pearl.
Nelson, Nels A.

Monarch Machine Tool Company, The, assignee: *See*—
Greene, Claude E., and Lesher.
Monger, Beatrice W., executrix, assignee: *See*—
Monger, Maynard L.
Monger, Maynard L., deceased, Royal Oak; by B. W. Monger, administratrix, Detroit, Mich., assignor to B. W. Monger. Buffing and polishing device. 2,601,048, June 17.
Monroe Calculating Machine Company, assignee: *See*—
Burkhart, William H.
Monsanto Chemical Company, assignee: *See*—
Morrill, Henry L.
Park, Harold F.
Park, Harold F., and Scott.
Scott, Milton J., and Jackson.
Wilson, Ivan V., and Marotta.
Montgomery, John R., assignor to Truscon Steel Company, Youngstown, Ohio. Pressed steel doorframe construction. 2,601,164, June 17.
Moon, Arthur W., Middletown, Ohio. Dust cover for books. 2,600,672, June 17.
Moore, Stanley S., Stockton, Calif. Disk harrow. 2,601,165, June 17.
Mooser, Heinrich W., Maastricht, Netherlands. Utilization of blast furnace slag in rotary cement furnaces. 2,600,515, June 17.
Morgan, Burton D., Loudonville, N. Y. Dispensing device for tape. 2,600,904, June 17.
Morgan, Robert F., assignee: *See*—
Lane, Basil H.
Morin, Louis H., Bronx, N. Y. Box and pin separator for separable fastener stringers. 2,600,905, June 17.
Morrill, Henry L., Clayton, assignor to Monsanto Chemical Company, St. Louis, Mo. Making o-ethyl s-ethyl o-para nitrophenyl thiophosphate. 2,601,219, June 17.
Morris, Edith, assignee: *See*—
Morris, Edward L.
Morris, Edward L., assignor to E. Morris, Lee's Summit, Mo. Combined rope thimble and clamp. 2,600,417, June 17.
Morrison, Charles C., assignee: *See*—
Willis, Maurice B.
Morrison, Willard L., Jr., Akron, and J. D. Cole, Kent, Ohio, assignors to Magnetic Power, Inc., Wilmington, Del. Magnetic power unit reversing drive. 2,600,795, June 17.
Mottu, André, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Projection apparatus for inspecting timepiece jewels. 2,600,906, June 17.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Composition for reducing the reflection of light. 2,601,123, June 17.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Solution for reducing light reflection. 2,601,124, June 17.
Mowat, John H.: *See*—
Waller, Coy W., and Mowat.
Müller, Ferdinand H., Roseland, N. J. Flashlight comprising permanently assembled lamp, cell, housing, and switch structure. 2,600,418, June 17.
Mumma, Elmer L., assignor to F. X. Hooper Company, Inc., Glen Arm, Md. Single facer drive. 2,600,907, June 17.
Murray, Michael F., assignor of thirty per cent to G. A. Strawn, and forty per cent to M. L. Gans, Springfield, Oreg. Fishing lure. 2,600,673, June 17.
Myers, Davis R., Singers Glen, assignor to The Shenandoah Equipment Company, Harrisonburg, Va. Automatic water valve. 2,601,166, June 17.
Nachman, Jack, Philadelphia, Pa. Ornamental trimming or fagoting strip for box pleats. 2,600,908, June 17.
Nash, Paul H., White Deer, Tex. Impact attachment for wheel lug wrenches. 2,600,796, June 17.
Nassimbene, Ernest: *See*—
Murry, James A., and Nassimbene.
National Acme Company, The, assignee: *See*—
Hogg, William J., and Powell.
National Cash Register Company, The, assignee: *See*—
Slonneger, Bruce K.
National Distillers Products Corporation, assignee: *See*—
McAlister, Lawrence C., Jr.
National Lead Company, assignee: *See*—
Hoeppel, Raymond W.
National Rubber Machinery Company, assignee: *See*—
Buecken, Hans E.
Natkins, Efrem N., New York, N. Y. Combined flexible coupling and overload clutch. 2,600,674, June 17.
Navarro, Stanley E., Cambridge, Mass. Furnace and heat retaining unit therefor. 2,601,167, June 17.
Neef, Henry J., Pardeeville, Wis. Fishing buoy. 2,600,797, June 17.
Neely, George L., Berkeley, assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif. Discharger for pressurized metal bulbs. 2,601,211, June 17.
Neher, Harry T.: *See*—
Bauer, La Verne N., Neher, and Van Horne.
Bauer, La Verne N., Van Horne, and Neher.
Van Horne, William L., Bauer, and Neher.
Van Horne, William L., Neher, and Bauer.
Neher, Harry T., Bristol, L. N. Bauer, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Oil-soluble allyl copolymers. 2,600,419, June 17.
Neher, Harry T., Briston, W. L. Van Horne, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Oil-soluble allyl-vinyl ester copolymers. 2,600,420, June 17.
Neher, Harry T., Bristol, W. L. Van Horne, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of acrylates and allyl esters. 2,600,421, June 17.
Neher, Harry T., Bristol, L. N. Bauer, and W. L. Van Horne, assignors to Rohm & Haas Company, Philadelphia, Pa. Maleate-methacrylate copolymers. 2,600,422, June 17.
Neighbour, Leonard B., assignor to Deere & Company, Moline, Ill. Auxiliary device for unloading grain bins. 2,601,049, June 17.
Nelson, Bertel S., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill. Motor control circuits. 2,600,568, June 17.
Nelson, Clarence R., Nyack, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Capillary oil device for machines. 2,601,210, June 17.
Nelson, Kenneth A., Salina, Kans. Folding chair swing. 2,600,675, June 17.
Nelson, Nels A., assignor to R. T. Moloney, Chicago, Ill. Cabinet for amusement apparatus. 2,600,909, June 17.
Nelson, Willis N.: *See*—
Jenson, Kenneth S., and Nelson.
Nerad, Anthony J., Alplaus, N. Y., assignor to General Electric Company. Combustor for thermal power plants having toroidal flow path in primary mixing zone. 2,601,000, June 17.
Nestle, Alfred C., Long Beach, Calif., assignor to Texaco Development Corporation, New York, N. Y. Drilling fluid. 2,601,050, June 17.
Nett Ethbert R.: *See*—
Heyl, Richard E., and Nett.
New Wrinkle, Inc., assignee: *See*—
Waldie, William A.
Nickel, Hal G., Milwaukee, Wis. Piano construction. 2,600,910, June 17.
Nielsen, Aage L., Aalborg, Denmark. Photographic printing machine. 2,601,051, June 17.
Nolle, Alfred W., San Marcos, Tex., assignor to The Electrodyne Company, Boston, Mass. Electrical system with output signal varying logarithmically with respect to the input signal. 2,600,423, June 17.
Noon, Alonzo W., assignor to W. P. Elser, San Diego, Calif. Electromechanical automatic elevator control. 2,600,676, June 17.
Norkin, Morris, New York, N. Y. Apparatus for manufacture of slide fasteners. 2,600,677, June 17.
North American Aviation, Inc., assignee: *See*—
Gordon, Carroll G.
Nuclotex Limited, assignee: *See*—
Clapperton, George.
Oakes, E. T., Corporation, assignee: *See*—
Oakes, Earle T.
Oakes, Earle T., assignor to E. T. Oakes Corporation, Douglaston, N. Y. Making marshmallow. 2,600,569, June 17.
O'Connor, John B., assignor to Illinois Tool Works, Chicago, Ill. Reinforcing clip. 2,601,125, June 17.
O'Laughlin, Thomas J., Boston, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Presser foot mechanism for sewing machines. 2,600,424, June 17.
Olin Industries, Inc., assignee: *See*—
Blair, Emlie.
O'Neill, John J., Jr.
Olson, Clarence A., assignor of fifty per cent to R. S. Hilliard, Eugene, Oreg. Plastic milk carton holder. 2,600,911, June 17.
Olson, Gordon L., Arlington, Mass. Speed reducing mechanism. 2,600,912, June 17.
Olson, Raymond G., Niles, Ill. Ironing apparatus cover. 2,600,913, June 17.
O'Neill, John J., Jr., Roxana, assignor to Olin Industries, Inc., East Alton, Ill. Rocket powder. 2,600,678, June 17.
Ontario Paper Company Limited, The, assignee: *See*—
Fisher, John H., and Mead.
Organico, assignee: *See*—
Aelion, René.
Ortleb, Douglas, St. Louis, Mo. Protector pad and armrest for automobile windows. 2,601,052, June 17.
O'Sullivan, Eugene, assignee: *See*—
Harkness, John M., and G. K.
Otto, Ferdinand P., and O. M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Esters of thiophene-modified maleic anhydride-styrene copolymers and oil compositions containing the same. 2,600,798, June 17.
Otvos, Joseph, Bay Shore City, Calif. Folding tent for automobile tops. 2,600,799, June 17.
Ovary, John F., New York, N. Y. Mixing and flow controlling valve. 2,601,053, June 17.
Pace, George W.: *See*—
Pace, Virgil and G. W.
Pace Tool Manufacturing Co., Inc., assignee: *See*—
Pace, Virgil and G. W.

Pace, Virgil and G. W., assignors to Pace Tool Manufacturing Co., Inc., Hattiesburg, Miss. Cylinder sleeve roller. 2,600,800, June 17.

Paillard S. A., assignee: *See*—
Thévenaz, Jean.

Palo, Maurice, and A. L. Dvorsky, assignors to The Astatic Corporation, Conneaut, Ohio. Universal phonograph tone arm. 2,601,126, June 17.

Palo, Maurice M., and F. W. Schmid, assignors to The Astatic Corporation, Conneaut, Ohio. Tone arm. 2,600,914, June 17.

Pan American Refining Corporation, assignee: *See*—
Miron, Simon.

Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymerizing conjugated dienes with unsaturated nitriles in aqueous emulsion. 2,600,679, June 17.

Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymerizing conjugated dienes with unsaturated esters in aqueous emulsion. 2,600,680, June 17.

Park, Harold F., East Longmeadow, and M. J. Scott, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Self-supporting films from polyvinyl halide latex. 2,600,681, June 17.

Parke, Davis & Company, assignee: *See*—
Jenesel, Nickolas D., Coleman, and Crooks.

Parker, Alice, assignee: *See*—
Del Zoppo, Menotti.

Parker, Samuel P., assignor to Callaway Mills Company, La Grange, Ga. Loom. 2,600,682, June 17.

Parry, Frank, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper mechanism for blind-stitch sewing machine. 2,601,054, June 17.

Parry, Vernon F., Golden, assignor to Silver Engineering Works, Inc., Denver, Colo. Furnace reactor. 2,600,425, June 17.

Pasquarella, Alfred M., near New Bedford, Pa. Gun sight. 2,600,801, June 17.

Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Plasticization of perhalocarbon polymers. 2,600,802, June 17.

Patasce, Joseph A.: *See*—
Mariani, Dominic, Patasce, and Roebuck.

Patella, Luis, Buenos Aires, Argentina. Stone saw. 2,600,570, June 17.

Patterson, Ward S., Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc. Gas generator and waste heat boiler. 2,601,001, June 17.

Paul, Lewis A., assignor to Beech Aircraft Corporation, Wichita, Kans. Fountain pen point. 2,600,426, June 17.

Paulding, Herbert L.: *See*—
Ackell, Joseph J., and Paulding.

Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,600,427, June 17.

Pearl, Donald: *See*—
Collins, Edward J., Breither, and Pearl.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Trifluorochloroethylene-vinyl acetate copolymers. 2,600,683, June 17.

Pearson, Frank G., Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del. Hydrolyzed copolymers of fluorinated vinyl compounds. 2,600,684, June 17.

Peerless Tube Company, assignee: *See*—
Remington, Frederic and Tartaglia.

Penn Controls, Inc., assignee: *See*—
Rothwell, John J., and Schell.

Pennsylvania Crusher Company, assignee: *See*—
Borton, George W., and Hartshorn.

Perinoni, Dominic: *See*—
Perinoni, Edward J. and D.

Perinoni, Edward J., Santa Clara, and D. Perinoni, Los Gatos, Calif. Fishing reel. 2,600,685, June 17.

Perkins, Ralph N.: *See*—
Ackley, Harry A., and Perkins.

Permutit Company, The, assignee: *See*—
Wood, William.

Persons, Charles A., deceased, H. M. Persons and The Mechanics National Bank of Worcester, executors, assignors to Persons-Majestic Mfg. Co., Worcester, Mass. Spring mounting means for saddle seats. 2,600,915, June 17.

Persons, Harriet M., executrix: *See*—
Persons, Charles A.

Persons-Majestic Mfg. Co., assignee: *See*—
Persons, Charles A.

Pestyner, Philip, Jamaica, N. Y. Necktie rack. 2,600,916, June 17.

Petersen, David K., Hudson, Wis. Card table-supporting rack. 2,600,917, June 17.

Petersen Oven Company, The, assignee: *See*—
Klein, Chris, Skarin, and Tinker.

Peterson & Krueger, Inc., assignee: *See*—
Krueger, Alfred M., and Peterson.

Peterson, Rolf H.: *See*—
Krueger, Alfred M., and Peterson.

Petit, Joseph G.: *See*—
Hathaway, Jarrett L., and Petit.

Petropoulos, John C.: *See*—
Daniel, John H., Jr., and Petropoulos.

Philco Corporation, assignee: *See*—
Creamer, Edgar M., Jr., and Boothroyd.

Phillips Laboratories, Inc., assignee: *See*—
Brockman, Frank.

Phillips Petroleum Company, assignee: *See*—
Benedict, Bruce C.
Boyd, Joseph W.
Crouch, Willie W., Crosnoe, and Werkman.
Ferro, Bernardo J., Jr.
Krejci, Joseph C.
Wicklatz, John E., and Short.

Picking, Jay W., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company. Electrical control system. 2,601,002, June 17.

Pielop, William E., Jr., Houston, Tex. Slush pump piston and rod assembly. 2,600,516, June 17.

Piperoux, Rene P., Radburn, N. J., D. B. Hertz, New York, N. Y., and F. M. Culpepper, Newark, N. J., assignors to Celanese Corporation of America, New York, N. Y. Apparatus and process for preparing bands from thermoplastic material. 2,600,686, June 17.

Pitney-Bowes, Inc., assignee: *See*—
Hanson, Walter J.

Pittsburgh Corning Corporation, assignee: *See*—
Ford, Walter D.

Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.

Plattner, Placidus A., Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Δ^4-17α-methyl-3,20-dioxo-pregnene compounds. 2,601,168, June 17.

Pohl, Ernest Erwin, Elmhurst, N. Y., assignor to American Machine and Foundry Company. Bowling ball return mechanism. 2,600,918, June 17.

Polanyi, Michael L.: *See*—
Rosenthal, Paul, Polanyi, and Gottlieb.

Polaroid Corporation, assignee: *See*—
Billings, Bruce H.
Land, Edwin H.
Wolff, Otto E.

Polydoroff, Wladimir J., Washington, D. C., assignor to General Aniline & Film Corporation, New York, N. Y. Heat resistant magnetic cores and making. 2,601,212, June 17.

Ponath, Elwood E.: *See*—
Adler, Leon, Reinhardt, and Ponath.

Pontius, George W., III, assignor to Bendix Aviation Corporation, South Bend, Ind. Gear pump. 2,601,003, June 17.

Pooler, Louis G., U. S. Navy, Alexandria, Va., and M. F. Schoeffel, U. S. Navy, Washington, D. C. Bombing method and apparatus. 2,600,428, June 17.

Popkin, Alexander H.: *See*—
Smith, Paul V., Jr., Mikeska, and Popkin.

Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Panel fastening device. 2,601,213, June 17.

Powell, David R.: *See*—
Hogg, William J., and Powell.

Power Jets (Research & Development) Limited, assignee: *See*—
Whittle, Frank.

Prather, Thomas F., Wasco, Calif. Dental extracting forceps with interchangeable beaks. 2,600,803, June 17.

Prentiss Wabers Products Company, assignee: *See*—
Jenson, Kenneth S., and Nelson.

Presser, Eric A. F., East Chicago, Ind. Thrust bearing. 2,600,687, June 17.

Prestige, Incorporated, assignee: *See*—
Gardner, Charles W.

Prichard, William W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Butadiene-cobalt carbonyl hydride adduct. 2,600,571, June 17.

Pritchard, Dalton H., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,600,919, June 17.

Procter & Gamble Company, The, assignee: *See*—
Burt, Robert V.

Products Manufacturing Co., Inc., assignee: *See*—
Demarco, Salvatore J., Jr.
Herrick, Percy H.

Puget Sound Pulp and Timber Co., assignee: *See*—
Ekholm, Erik, and Haner.

Pullman Company, The, assignee: *See*—
Tully, James K., and Jones.

Purdue Research Foundation, assignee: *See*—
Lark-Horovitz, Karl, and Whaley.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C.

Purviance, Billy J., Lodi, and D. A. Smith, Los Angeles, Calif. Trampoline. 2,600,572, June 17.

Purvis, Judson A., Chicago, Ill., assignor to The Fil-Rite Company, Minneapolis, Minn. Mechanism for loading grease guns. 2,601,169, June 17.

Rabkin, William, New York, N. Y. Sound record disk. 2,600,573, June 17.

Radio Corporation of America, assignee: *See*—
Hathaway, Jarrett L., and Petit.
Hughes, Richard H.
Knight, Mark B.
Larach, Simon.
Pritchard, Dalton H.
Ruedy, John E., and Williams.
Ulrich, Robert E.
Wendt, Karl R.
Wolf, Lester J.

Rahal, Fred L., North East, Pa. Strawberry capping machine. 2,601,055, June 17.

Ralston Purina Company, assignee: *See*—
Hale, Douglas, and Carpenter.

Raney, Edwin A., Pittsfield, Mass., assignor to General Electric Company. Affixing conducting tap straps to a paper mounting strip. 2,601,005, June 17.

Ranseen, Mauritz C., Minneapolis, Minn. Card supporting device. 2,600,429, June 17.

Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Sectional housing construction and support means therefor. 2,601,056, June 17.

Raschkind, Joshua, Forest Hills, N. Y. Adjustable twin eyecup set. 2,600,920, June 17.

Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling strips of plastic material. 2,600,574, June 17.

Raytheon Manufacturing Company, assignee: *See*—
Spencer, Percy L.

Rearick, John S., Summit, assignor to The M. W. Kellogg Company, Jersey City, N. J. Production of chlorotrifluoroethylene polymer-in-monomer slurry. 2,600,804, June 17.

Reback, Samuel: *See*—
Rogers, Robert W., and Reback.

Rehberg, Chessie E.: *See*—
Mast, William C., Rehberg, and Fisher.

Reiff, Orland M.: *See*—
Otto, Ferdinand P., and Reiff.

Reinartz, Leo F., and C. R. F. Dersmith, Middletown, Ohio, assignors to Armco Steel Corporation. Treatment of molten metal. 2,600,575, June 17.

Reinhardt, Harry A.: *See*—
Adler, Leon, Reinhardt, and Ponath.

Reiss, Max, assignor to Eastman Kodak Company, Rochester, N. Y. Telecentric objective of the reversed telephoto type. 2,600,805, June 17.

Reliance Electric & Engineering Company, The, assignee: *See*—
Picking, Jay W.

Remington, Frederic, Elizabeth, and R. A. Tartaglia, East Orange, assignors to Peerless Tube Company, Bloomfield, N. J. Apparatus for extruding collapsible tubes. 2,600,921, June 17.

Remington Rand Inc., assignee: *See*—
Thierfelder, Emil F.

Republic Pictures Corporation, assignee: *See*—
Miller, Arthur J.

Retzlaff, Walter G., Grosse Pointe, Mich. Trailer vehicle with landing gear and tail gate elevator. 2,601,170, June 17.

Reuge, Guido, Ste.-Croix, Switzerland. Ski binding. 2,600,688, June 17.

Reynolds, Delbert D., and W. O. Kenyon, assignor to Eastman Kodak Company, Rochester, N. Y. Poly N-vinyl sulfonamides. 2,600,806, June 17.

Reynolds Metals Company, assignee: *See*—
Fritzlen, Thomas L.
Hammond, Gordon.

Rheem Manufacturing Company, assignee: *See*—
Evans, Llewellyn W.

Riblett, Earl W., Tenafly, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Conversion of carbonaceous materials. 2,600,430, June 17.

Richardson, Ralph R., and W. H. Edmondson, Chicago, Ill., assignors to United Biscuit Company. Cylinder adjusting mechanism for rotary printing presses. 2,601,220, June 17.

Richman, David L., assignee: *See*—
Rotheraine, Jerome H.

Richter, Hartmut W., Rahway, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Silica-extended tin oxide and preparing same. 2,600,689, June 17.

Rick, Christian E.: *See*—
Kay, William L., and Rick.

Rickard, Charlotte L., and K. J. Harwood, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Sanitary napkin. 2,600,576, June 17.

Ridge Tool Company, The assignee: *See*—
Ingwer, Carl H.

Rieser, Howard W., Harpster, Ohio. Adjustable mobile ladder. 2,600,807, June 17.

Robbins, Gordon B., Claymont, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Sulfur colors of the dioxazine series and preparing the same. 2,600,690, June 17.

Roberts, James W., and R. D. and A. Hogan, Pekin, Ind. Mechanical chicken feeder. 2,601,057, June 17.

Robinson, Harold A., assignor to The Dow Chemical Company, Midland, Mich. Cathodic protection of underground metals. 2,601,214, June 17.

Rockwell-Barnes Company, assignee: *See*—
Jones, Charles E.

Rodabaugh, Louis D., Oberlin, Ohio. Wheeled toy. 2,601,006, June 17.

Rodolfa, John D., San Jose, Calif. Outer bearing for rotatable servers. 2,600,922, June 17.

Roe, William C., assignor to The Colson Corporation, Elyria, Ohio. Up-ender. 2,600,577, June 17.

Roebuck, George: *See*—
Mariani, Dominic, Patasce, and Roebuck.

Rogers, Robert W., Barrington, R. I., and S. Reback, Fall River, Mass., assignors to Scott Testers, Inc. Test clamp for test specimen. 2,600,923, June 17.

Rohm & Haas Company, assignee: *See*—
Bauer, La Verne N., Neher, and Van Horne.
Bauer, La Verne N., Van Horne, and Neher.
Neher, Harry T., Bauer, and Van Horne.
Neher, Harry T., Van Horne, and Bauer.
Van Horne, William L., Bauer, and Neher.
Van Horne, William L., Neher, and Bauer.

Rosen, Leonard J.: *See*—
White, Blanche B., Rosen, and Blackman.

Rosenberg, Sidney: *See*—
Domoj, John J., and Rosenberg.

Rosenblatt, Edgar F., Montclair, and J. G. Cohn, East Orange, assignors to Baker & Co., Inc., Newark, N. J. Dissociation of ammonia. 2,601,221, June 17.

Rosenfels, Richard S.: *See*—
Shaw, John M., Bartley, and Rosenfels.

Rosenstein, Louis, Chicago, Ill. Light control member. 2,601,127, June 17.

Rosenstein, Ludwig, and M. H. Gorin, San Francisco, Calif. Adduct of thiourea and chloropicrin and its use as a pesticide. 2,600,431, June 17.

Rosenthal, Paul, M. L. Polanyi, and N. Gottlieb, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Refractometer with temperature compensating means. 2,601,128, June 17.

Ross, Ray R., Reading, Ohio. Awning structure. 2,601,058, June 17.

Ross, Sidney D., and M. Markarian, assignors to Sprague Electric Company, North Adams, Mass. Halogenated aromatic compounds. 2,600,691, June 17.

Rotheraine, Jerome H., Philadelphia, Pa., assignor of one-third to D. L. Richman, Larchmont, one-third to H. Sperber, Brooklyn, N. Y., and one-third to J. H. Rotheraine, Philadelphia, Pa. Steam electric creasing iron. 2,601,059, June 17.

Rothwell, John J., and P. Schell, Elkhart, assignors to Penn Controls, Inc., Goshen, Ind. Safety primary control for burners. 2,600,692, June 17.

Royer, Frieda F.: *See*—
Royer, Thurber W. and F. F.

Royer, Richard P., High Point, N. C. Mounting mirrors on dressers. 2,600,578, June 17.

Royer, Thurber W. and F. F., Arlington, Va. Stud extractor. 2,600,924, June 17.

Rubberset Company, assignee: *See*—
Barnes, Charles H., and Grosse.

Ruch, Roy, Sunbury, Pa. Cabinet. 2,600,925, June 17.

Rudd, Gene C., assignor to Southern Air Conditioning Mfg. Co., Fort Worth, Tex. Radial louver construction. 2,600,926, June 17.

Ruedy, John E., and F. E. Williams, Princeton, N. J., assignors to Radio Corporation of America. Making phosphor screens. 2,600,579, June 17.

Rumpp, C. F., & Sons, assignee: *See*—
Hutchinson, Herman R.

Runaldue, Lewis R., Dalton, Mass., assignor to General Electric Company. Automatic regulator control. 2,601,060, June 17.

Ruschmann, Henry F.: *See*—
Goetz, Henry G., and Ruschmann.

Rushing, Herschel L., Nashville, Tenn. Tell-tale screw spike. 2,600,517, June 17.

Ruth, Howard M.: *See*—
Collins, Howard A., and Ruth.

Ruth, Norman S., Perkasie, Pa. Self-leveling supporting device. 2,600,518, June 17.

Rutherford, Harry T., Mount Washington Md. Slidable side jaw wrench. 2,600,693, June 17.

S. A. T. A. M. Societe Anonyme pour tous Appareillages Mecaniques, assignee: *See*—
Meyer, Jean G. A. M. J.

Sabel, Edward R., and E. T. Macey, assignors to The Haloid Company, Rochester, N. Y. Electrophotographic apparatus. 2,600,580, June 17.

St. Lucas, Frank J., Omaha, Nebr. Engine stop device. 2,600,810, June 17.

Sakirsky, Jack, Bridgeport, Conn., assignor to J. B. Lew, Brooklyn, N. Y. Lighting outfit subassembly machine. 2,600,694, June 17.

Salmon, Albert E.: *See*—
Spencer, Thomas, and Salmon.

Sam, Sam W.: *See*—
Victor, Samuel.

Sams, Herbert W., Atlanta, Ga., assignor to Scripto, Inc. Pencil attachment for dialing telephones. 2,601,129, June 17.

Sanders, Joseph J., Philadelphia, Pa. Grinding fixture for single point tools. 2,600,432, June 17.
Sanders, Louis S., assignee: *See*—
McIntosh, Maurice D.
Sans, Marcel L., Venissieux, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Polymerizing vinyl chloride. 2,600,695, June 17.
Saywell Associates, assignee: *See*—
Saywell, Lawrence G.
Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, San Francisco, Calif. Bearing assembly and seal. 2,600,433, June 17.
Saywell, Lawrence G., San Mateo, assignor to Saywell Associates, South San Francisco, Calif. Sealing device. 2,600,434, June 17.
Schell, Paul: *See*—
Rothwell, John J., and Schell.
Schenendorf, Benjamin, Brooklyn, N. Y. Magnetic circuit control for burglar alarms. 2,600,581, June 17.
Schmid, Ford W.: *See*—
Palo, Maurice M., and Schmid.
Schmidt, Jacob H., Chicago, Ill. Plate cooler. 2,600,696, June 17.
Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Sanitary gear and motor. 2,600,697, June 17.
Schoeffel, Malcolm F.: *See*—
Pooler, Louis G., and Schoeffel.
Schoerner, Rudolph T.: *See*—
White, John H., and Schoerner.
Schreck, Irvin F., Cleveland Heights, Ohio. Power propelled truck of the type provided with a steering handle connected to a swiveled traction wheel. 2,601,171, June 17.
Schroer, Walter E., Affton, assignor to Loose Leaf Metals Co., St. Louis, Mo. Locking device for book supporting metals. 2,600,808, June 17.
Schulze, Harry E.: *See*—
Guesmer, George O., and Schulze.
Schwartz, William, New York, N. Y. Salt shaker comprising a central container slidable in outer casing to uncover openings. 2,601,061, June 17.
Schwarzer, Carl G.: *See*—
Hearne, George W., and Schwarzer.
Sciaky, David, assignor to Welding Research, Inc., Chicago, Ill. Sliding contact system for conducting welding currents. 2,600,582, June 17.
Scott, David C., Providence, and F. A. Valentine, Apponaug, R. I., assignors to Scott Testers, Inc. Testing machine marking means. 2,601,130, June 17.
Scott, Milton J: *See*—
Park, Harold F., and Scott.
Scott, Milton J., Lexington, and E. F. Jackson, Ludlow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Reaction products from an aldehyde, an aminotriazine, and a mono-N-heterocyclic compound. 2,600,698, June 17.
Scott Testers, Inc., assignee: *See*—
Rogers, Robert W., and Reback.
Scott, David C., and Valentine.
Scoville, David M., San Francisco, Calif. Paper package. 2,600,927, June 17.
Scripto, Inc., assignee: *See*—
Sams, Herbert W.
Sebok, Frank, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Shock absorbing and silencing mounting arrangement for air cleaners. 2,601,172, June 17.
Security Steel Equipment Corporation, assignee: *See*—
Woodin, Walter E.
Selz, Edgar, assignor to The Emulsol Corporation, Chicago, Ill. Determination of the color of egg yolk products. 2,601,173, June 17.
Semm, Paul T., assignor to Wheelco Instruments Company, Chicago, Ill. Flame detector. 2,600,928, June 17.
Serugo Rubber Company, The, assignee: *See*—
Hauser, Joseph E.
Shaffer, Joseph C: *See*—
Bruner, George W., and Shaffer.
Shapiro, Mordecai, Merrick, N. Y. Machine drive. 2,600,929, June 17.
Shapiro, Samuel A., Bronx, N. Y. Freon 12 dehydrator and manifold. 2,600,435, June 17.
Shaw, John M., and T. R. Bartley, Denver, Colo., and R. S. Rosenfels, Richland, Wash., assignors to the United States of America as represented by the Secretary of the Interior. Killing submerged water weeds. 2,600,436, June 17.
Sheets, Ray H.: *See*—
Jackes, Stanley F., and Sheets.
Shell Development Company, assignee: *See*—
Bollo, Francis G.
Hearne, George W., and Schwarzer.
Shenandoah Equipment Company, The, assignee: *See*—
Myers, David Russell.
Shepard, Elizabeth, assignee: *See*—
Wells, Chandler.
Shockley, R. E., Incorporated, assignee: *See*—
Shockley, Roy E.
Shockley, William: *See*—
Haynes, James R., and Shockley.
Shockley, Roy E., assignor to R. E. Shockley, Incorporated, Kokomo, Ind. Zinc-copper-tin alloy plating. 2,600,699, June 17.
Short, James N.: *See*—
Wicklatz, John E., and Short.
Siepe, John P., Detroit, Mich. Fishing lure. 2,600,437, June 17.
Sigmon, Ross M., Jr.: *See*—
Meilstrup, Emil E., and Sigmon.
Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Helicopter control. 2,600,930, June 17.
Silver Engineering Works, Inc., assignee: *See*—
Parry, Vernon F.
Simmons, Arthur B., assignor to Eastman Kodak Company, Rochester, N. Y. Enlarging easel. 2,600,809, June 17.
Singer Manufacturing Company, The, assignee: *See*—
Barnhart, Herbert S.
Parry, Frank.
Singer, Richard M., University City, Mo. Stamp dispensing machine. 2,601,062, June 17.
Skarin, Richard C.: *See*—
Klein, Chris, Skarin and Tinker.
Slater, William A., Hunt, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Refining high sulfur crude oils. 2,600,931, June 17.
Slaughter, Charles E., New Canaan, Conn. Container. 2,600,438, June 17.
Slencil Co., The, assignee: *See*—
Harris, Carl C.
Sloane, Milton, Hartford, Conn., now by judicial change of name Peppy M. Sloane. Collapsible container. 2,600,439, June 17.
Sloane, Peppy M.: *See*—
Sloane, Milton.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Scanning means. 2,600,583, June 17.
Smith, Benjamin H., Bloomfield, N. J. Oscillatory motor device. 2,601,174, June 17.
Smith, Colburn J., Lemoore, Calif. Composition for alleviation of the tobacco habit. 2,600,700, June 17.
Smith, Dick A.: *See*—
Purviance, Billy J., and Smith.
Smith, Donald H., Fairfax County, Va. Piston construction for internal-combustion engines. 2,600,440, June 17.
Smith, Francis H., Scarborough, England. Interference microscope. 2,601,175, June 17.
Smith, Oliver R., Fort Worth, Tex. Mixing device. 2,600,932, June 17.
Smith, Paul V., Jr., and L. A. Mikeska, Westfield, N. J., and A. H. Popkin, New York, N. Y., assignors to Standard Oil Development Company. Glycol esters of alkylmercapto-carboxylic acids. 2,601,063, June 17.
Smith, Stanley J., Ossining, N. Y. Capacitance type liquid quantity gauge. 2,601,176, June 17.
Smitha, Ira B., assignee: *See*—
Guffey, Oliver J.
Smullen, Willard C., Decatur, Ill. Automobile table with folding seat hanger. 2,601,177, June 17.
Snell, Harm D., assignor of twenty-five per cent to J. A. Snell, Port Arthur, Tex. Work clamp. 2,600,584, June 17.
Snell, Jo A., assignee: *See*—
Snell, Harm D.
Snyder, Leonard L.: *See*—
Carlton, Frank, and Snyder.
Snyder, Peter C., Schickshinny, Pa. Nonslip wrench. 2,601,064, June 17.
Societe Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Crauland, Marc J. L.
Sans, Marcel L.
Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture, assignee: *See*—
Sourdet, Maurice, and Martin.
Societe Genevoise d'Instruments de Physique, assignee: *See*—
Mottu, André.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brooks, John W.
Otto, Ferdinand P., and Reiff.
Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Sequence control circuit and timer. 2,600,519, June 17.
Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Three-phase welding system with post-heat control. 2,600,585, June 17.
Sommers, Robert H., Waukesha, and A. W. Frank, Wauwatosa, assignors to Hevi Duty Electric Company, Milwaukee, Wis. Manual door operation of vertically movable doors. 2,600,441, June 17.
Son, Anthony J., Boston, Mass. Hypodermic needle holder. 2,601,065, June 17.
Sourdet, Maurice, and J. Martin, assignors to Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture, Paris, France. Preparation of alkali metal salts from alkali metal chlorides. 2,601,066, June 17.
Southern Air Conditioning Mfg. Co., assignee: *See*—
Rudd, Gene C.
Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Friction disk separator for double disk clutches. 2,600,520, June 17.

Speed-Meal Corporation, assignee: *See*—
Strom, Clifton O.
Wenscott, Max B., and Strom.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Coffee brewing. 2,601,067, June 17.
Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Producing fluorescent screens. 2,601,178, June 17.
Spencer, Thomas, Rossendale, and A. E. Salmon, Marple, England; said Salmon assignor to said Spencer. Making shoes using polymerizable plastic layers. 2,601,007, June 17.
Spencer, William G., Burbank, Calif. Automatic bicycle transmission. 2,600,586, June 17.
Sperber, Herbert, assignee: *See*—
Rotheraine, Jerome H.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Unit heater. 2,600,933, June 17.
Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Adjustable deflector. 2,600,934, June 17.
Spindler, Kurt P., Hasbrouck Heights, assignor to Ernest A. Feustel, Inc., Lodi, N. J. Yarn carrier tube. 2,600,935, June 17.
Spitz, Isidor, assignor to American-National Bag & Burlap Co., Inc., Brooklyn, N. Y. Elevating and lowering device for baling presses and the like. 2,600,587, June 17.
Sprague Electric Company, assignee: *See*—
Ross, Sidney D., and Markarian.
Square D Company, assignee: *See*—
Jackson, John G.
Stafford, Thomas P.: *See*—
Butler, William F., Stafford, and Cutter.
Stahmann, Mark A.: *See*—
Campbell, Harold A., Stahmann, Huebner, and Link.
Staley, A. E., Manufacturing Company, assignee: *See*—
Heyl, Richard E., and Nett.
Stalter, Jan, assignor to Jasta A. G., Jurich, Zurich, Switzerland. Automatic pressing means, more particularly for closing bottles. 2,601,068, June 17.
Standard Cap and Seal Corporation, assignee: *See*—
Hopp, Harold C.
Standard Oil Company, The, assignee: *See*—
Clift, Therlis L.
Standard Oil Company, assignee: *See*—
Fragen, Nathan, and Alm.
Standard Oil Development Company, assignee: *See*—
Chernosky, Allen A.
Mattox, William J.
Mikeska, Louis A.
Smith, Paul V., Jr., Mikeska, and Popkin.
Voorhies, Alexis, Jr.
Wylie, Roger.
Stanius, Godfrey, assignor to Acme Steel Company, Chicago, Ill. Method and appartus for changing the relative lengths of the intermediate and edge portions of metal strips. 2,600,442, June 17.
Statham Laboratories, Inc., assignee: *See*—
Statham, Louis D., and White.
Statham, Louis D., Beverly Hills, and G. E. White, Tarzana, assignors to Statham Laboratories, Inc., Beverly Hills, Calif. Transducer and device employing the same. 2,600,701, June 17.
Stauffer Chemical Company, assignee: *See*—
Englund, Kenneth L.
Stephens, William T., Painesville, Ohio. Control valve. 2,600,702, June 17.
Stewart-Warner Corporation, assignee: *See*—
Dahlgren, John V. S.
Tramontini, Vernon N.
Stilmar, Frederic B., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Vat dyes of the anthraquinone-oxdiazole series. 2,601,179, June 17.
Stodolka, Cyril L. and J. P., Little Falls, Minn. Aggregate receiving and conveying machine. 2,600,588, June 17.
Stodolka, James P.: *See*—
Stodolka, Cyril L. and J. P.
Stone, Natalie G.: *See*—
Gordon, Melvin J.
Stone, Noel T.: *See*—
Kliever, Waldo H. and Stone.
Stone, Wallace G., Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for measuring low pressures and related conditions. 2,600,936, June 17.
Strässler, Karl, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterhur, Switzerland. Air filter used in textile fiber preparation. 2,601,008, June 17.
Strattman, Edwin A., New Orleans, La. Lever mounting means for flush tank sterilizing devices. 2,600,937, June 17.
Strawn, Glenn A., assignee: *See*—
Murray, Michael F.
Strom, Clifton O.: *See*—
Wenscott, Max B., and Strom.
Strom, Clifton O., assignor, by mesne assignments, to Speed-Meal Corporation, Racine, Wis. Pressure cooker. 2,600,703, June 17.
Strubos, William, Detroit, Mich. Dustpan. 2,601,069, June 17.
Stuart, Homer B., Grosse Pointe, assignor to Advance Products Co., Detroit, Mich. Coin controlled change maker. 2,600,443, June 17.
Stuart, Robert B., and R. C. Livoni, Yucaipa, Calif. Multiple shingle and siding casting molds. 2,601,180, June 17.
Sturm, Frederick W.: *See*—
Jauch, Robert J., Hinds, and Sturm.
Suinat, Pierre, Enghien, France, assignor to Chanel, Inc., New York, N. Y. Case for lipstick and the like. 2,600,811, June 17.
Sullivan, Frederick W., Jr., Summit, N. J. Oxygenation of olefins. 2,600,444, June 17.
Sun Chemical Corporation, assignee: *See*—
Fish, John J.
Sun Oil Company, assignee: *See*—
Grace, Edward J., Jr.
Honeycutt, Earl M.
Sun Rubber Company, The, assignee: *See*—
Fenton, Frank.
Sundstrand, Carl A., Rockford, Ill. Longnose pliers. 2,600,445, June 17.
Super Z Manufacturing Co., assignee: *See*—
Felerabend, Louis B.
Swank, Inc., assignee: *See*—
Marlen, Clement S.
Swanson, Roland J., Ann Arbor, Mich. Magnetic case for elongated articles of magnetic material. 2,600,589, June 17.
Swearingen, Judson S., assignor to Institute of Inventive Research, San Antonio, Tex. Low-temperature separation of gases into constituents. 2,601,009, June 17.
Swift & Company, assignee: *See*—
Hauch, Walter E.
Koonz, Carl H.
Swisher, Thomas H., Elmhurst, Ill., assignor to Hotpoint Inc. Inlet fixture for liquid tanks. 2,600,521, June 17.
Sylvania Electric Products Inc., assignee: *See*—
Jacobs, Harold, and Hess.
Kingston, Ronald E., and Marchisio.
Kurtz, Jacob.
Syncro Machine Company, assignee: *See*—
Bruestle, Carl O.
Taco Heaters, Incorporated, assignee: *See*—
White, John H., and Schoerner.
Tagmann, Eugen: *See*—
Hoffmann, Karl, and Tagmann.
Tartaglia, Richard A.: *See*—
Remington, Frederic and Tartaglia.
Teleflex Incorporated, assignee: *See*—
Bruose, William H. D.
Teschel, George R., Vienna, W. Va., and W. R. Teschel, Marietta, Ohio. Marble shooter. 2,601,070, June 17.
Teschel, William R., assignee: *See*—
Teschel, George R. and W. R.
Texaco Development Corporation, assignee: *See*—
Nestle, Alfred C.
Thévenaz, Jean, Yverdon, Switzerland, assignor to Paillard S. A. Device for driving a film in a multifilm cinematographic projector. 2,601,181, June 17.
Thierfelder, Emil F., Springdale, Conn., assignor to Remington Rand Inc., New York, N. Y. Stepping switch. 2,600,938, June 17.
Thomas, Harold K., Phoenix, Ariz. Insulating pipe covering composition. 2,600,812, June 17.
Thomas, Richard, Westwood Village, Calif. Light dividing apparatus for producing television in color. 2,600,590, June 17.
Thompson Grinder Company, The, assignee: *See*—
Ernst, Walter.
Tidwell, Calvin M., Middleport, N. Y., assignor to International Minerals & Chemical Corporation. Production of phosphoric acid. 2,600,813, June 17.
Tinker, William G.: *See*—
Klein, Chris, Skarin, and Tinker.
Tollison, Paul L., North Plainfield, assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Web roll accelerating apparatus. 2,601,071, June 17.
Tomarkin, Wanda, Rockaway Park, N. Y. Scarf. 2,600,814, June 17.
Torrence, Walter S., San Antonio, Tex. Backlash stopper for fishing reels. 2,600,939, June 17.
Tor-Vel Associates, assignee: *See*—
Watson, Sydney C.
Trad, Victor, Deal, N. J. Timing device. 2,601,010, June 17.
Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Control valve. 2,600,705, June 17.
Travilla, James C., Jr., University City, Mo., and B. E. Glenn, Jr., Ridley Park, Pa., assignors to General Steel Castings Corporation, Granite City, Ill. Railway center plate locking structure. 2,600,704, June 17.
Tribune Company, assignee: *See*—
Jones, Max H.
Truscon Steel Company, assignee: *See*—
Montgomery, John R.
Tullio, John M., Akron, Ohio. Football game device. 2,600,940, June 17.
Tully, James K., United States Army, and B. E. Jones, Flossmoor, assignors to The Pullman Company, Chicago, Ill. Railway sleeping car bed. 2,600,706, June 17.
Turnbaugh, James E., Seattle, Wash. Flexible rotary reaming apparatus. 2,600,707, June 17.

Turner, John R., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for rough and fine grinding of spherical surfaces. 2,600,815, June 17.

Tuttle, Fordyce E., and O. Wittel, assignors to Eastman Kodak Company, Rochester, N. Y. Grid-type display sign. 2,600,816, June 17.

Tyler, John E., Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y. Photometric apparatus. 2,601,182, June 17.

Ulrich, Robert E., Riverton, N. J., assignor to Radio Corporation of America. Handle for sensory aid instrument having light projecting means. 2,600,708, June 17.

Underwood, George C.: *See*—
Malone, Harold L., and Underwood.

Undy, Gustav E., assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,600,941, June 17.

Union Carbide and Carbon Corporation, assignee: *See*—
Wynstra, John.

Union Oil Company of California, assignee: *See*—
Doumani, Thomas F., and Deering.

Union Wadding Company, assignee: *See*—
Carrigan, Robert E.

United Aircraft Corporation, assignee: *See*—
Sikorsky, Igor I.

United Biscuit Company, assignee: *See*—
Richardson, Ralph R., and Edmondson.

United Shoe Machinery Corporation, assignee: *See*—
Leahy, James F., and Ashley.
O'Laughlin, Thomas J.
Paulsen, Hans C.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
MacNeille, Stephen M.
Stone, Wallace G.

U. S. Propellers, Inc., assignee: *See*—
Van den Bergh, Frans.

United States Rubber Company, assignee: *See*—
Crawford, William B.

United States Steel Company, assignee: *See*—
Clyde, John A.
Maier, August R.

U. S. Vitamin Corporation, assignee: *See*—
Freedman, Louis.

Universal Mono-Tabular Corporation, assignee: *See*—
Horn, Harry L.

Universal Winding Company, assignee: *See*—
Molloy, John A.

Unsinger A P Corporation, assignee: *See*—
Unsinger, Philip H.

Unsinger, Philip H., assignor to Unsinger A P Corporation, Fremont, Ohio. Adjustable strip cutting tool. 2,601,183, June 17.

Urbain, Leon F., Chicago, Ill. Transportation container. 2,601,184, June 17.

Urban, Jane, assignee: *See*—
Wells, Chandler.

Valco Manufacturing Co., assignee: *See*—
Kiley, Carrol R.

Valentine, Frank A.: *See*—
Scott, David C., and Valentine.

Vanacker, Jerome, Assche-lez-Brussels, Belgium. Vented mold for the manufacture of footwear. 2,600,942, June 17.

Van den Bergh, Frans, West Los Angeles, assignor to U. S. Propellers, Inc., Pasadena, Calif. Action for key-operated musical instruments of percussion type. 2,601,185, June 17.

Van Horne, William L.: *See*—
Bauer, La Verne N., Neher, and Van Horne.
Bauer, La Verne N., Van Horne, and Neher.
Neher, Harry T., Bauer, and Van Horne.
Neher, Harry T., Van Horne, and Bauer.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of methacrylates and allyl esters. 2,600,446, June 17.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of allyl esters and maleates. 2,600,447, June 17.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers from allyl esters and acrylic esters. 2,600,448, June 17.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Maleic acrylic copolymers. 2,600,449, June 17.

Van Horne, William L., Philadelphia, H. T. Neher, Bristol, and L. N. Bauer, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of acrylic and vinyl esters. 2,600,450, June 12.

Van Horne, William L., and L. N. Bauer, Philadelphia, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Copolymers of methacrylic and vinyl esters. 2,600,451, June 17.

Van Schie, Robert J., Grand Rapids, Mich. Sheet feeding device. 2,601,072, June 17.

Van Valkenburgh, Edward A., Greene, N. Y. Detackifying and cure activation compositions. 2,600,943, June 17.

Vapor Heating Corporation, assignee: *See*—
Lehane, Timothy J.

Varley, Roy M., Dallas, Tex. Gas-burning torch. 2,600,709, June 17.

Veler, Louis G.: *See*—
Kellett, William R., and Veler.

Vibradamp Corporation, assignee: *See*—
Bush, Joachim G.

Victor Adding Machine Co., assignee: *See*—
Lippert, Erhard M.

Victor Metal Products Corporation, assignee: *See*—
Derham, Philip A.

Victor, Samuel, Chicago, Ill.; now by judicial change of name, Sam Women Sam. Chair seat. 2,600,944, June 17.

Victoreen Instrument Company, The, assignee: *See*—
Victoreen, John A.

Victoreen, John A., assignor to The Victoreen Instrument Company, Cleveland, Ohio. Method and apparatus for photoelectrically assorting, recording, or computing. 2,600,817, June 17.

Vincent, Daniel B., Tampa, Fla. Dehydration. 2,600,945, June 17.

Vinson, William A., Madera, Calif. Wire heading tool. 2,601,186, June 17.

Vittum, Paul W.: *See*—
Loria, Anthony, Weissberger and Vittum.

Voedisch, Alfred, assignor to The Heald Machine Company, Worcester, Mass. Mounting and demounting of pulleys, gears, wheels, and like elements. 2,600,946, June 17.

Volis, Kerr, Grosse Pointe Park, Mich. Wheel alignment apparatus. 2,601,187, June 17.

Vonnegut Moulder Corporation, assignee: *See*
Bruner, George W., and Shaffer.

Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic improvement of hydrocarbon synthesis product. 2,600,452, June 17.

Wade, Henry N., Los Angeles, Calif. Bubble cap for washing gases and vapors. 2,600,710, June 17.

Wagner, Bernard, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Radial head weight-controlled hose extension device. 2,601,073, June 17.

Wagner Electric Corporation, assignee: *See*—
Brunner, Albert.

Wagner, Wilhelm F., Williamsville, N. Y. Combined hatch cover and ventilator for storage tanks. 2,600,947, June 17.

Waidle, William A., Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Air-drying wrinkle finish and making. 2,600,818, June 17.

Wales, Nathaniel B., Jr., assignor to Theodore Backer, New York, N. Y. Air comforter bed covering. 2,601,189, June 17.

Wallace, James M., East McKeesport, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Automatic reclosing circuit interrupter. 2,601,188, June 17.

Waller, Coy W., and J. H. Mowat, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Preparing dihydropterins. 2,601,215, June 17.

Walsh, William J., Lemay, Mo. Shoe heel. 2,600,819, June 17.

Walton, Venola, New York, N. Y. Combined clothes hanger and compartment holder. 2,601,074, June 17.

Wang, Eric H., Cincinnati, Ohio. Device for generating arcs or the like. 2,600,591, June 17.

War, United States of America as represented by the Secretary of, assignee: *See*—
Hammar, Gustaf W.

Warner Electric Brake & Clutch Company, assignee: *See*—
Mason, James A.

Watson, Sydney C., Chicago, Ill., assignor to Tor-Vel Associates. Variable-speed transmission. 2,600,592, June 17.

Wayne Pump Company, The, assignee: *See*—
Jauch, Robert J., Hinds and Sturm.

Wayner, Lew, Los Angeles, Calif. Bobby pin applier. 2,600,711, June 17.

Weber, Ira, Brooklyn, assignor to Interchemical Corporation, New York, N. Y. Coating compositions. 2,600,593, June 17.

Weber, Paul F., San Francisco, Calif. Shoe fitting device. 2,601,131, June 17.

Wehrli, Frederick, New York, N. Y. Toy bead loom. 2,601,222, June 17.

Weinberg, Morton I., Ypsilanti, Mich. Collapsible barrier. 2,600,712, June 17.

Weingart, Richard I. N., New York, N. Y. Method and apparatus for controlling heat in hot machining processes. 2,600,453, June 17.

Weissberger, Arnold: *See*—
Loria, Anthony, Weissberger and Vittum.

Welding Research, Inc., assignee: *See*—
Sciaky, David.
Solomon, Julius L.

Weller, Anne L., assignee: *See*—
Wells, Chandler.

Wells, Chandler, Williamsville, assignor of one-fourth to E. Shepard, Orchard Park, one-fourth to J. Urban, Buffalo, and one-fourth to A. L. Weller, South Brighton, N. Y. Paint can splash protector with handle. 2,601,190, June 17.

Wells, Douglas S., Toronto, Ontario, Canada. Golf bag support. 2,600,713, June 17.

Weltronic Company, assignee: *See*—
Undy, Gustav E.

Wendt, Karl R., Hightstown, N. J., assignor to Radio Corporation of America. Television sync separator. 2,601,191, June 17.

Wenscott, Max B., and C. O. Strom, assignor, by mesne assignments, to Speed-Meal Corporation, Racine, Wis. Gasket for pressure cookers. 2,600,714, June 17.

Werkman, Robert T.: *See*—
Crouch, Willie W., Crosnoe, and Werkman.

Wesley, Robert O., assignor to Daisy Manufacturing Company, Plymouth, Mich. Packaging means for toy pistols. 2,601,192, June 17.

Western Electric Company, Incorporated, assignee: *See*—
Meilstrup, Emil E., and Sigmon.
Rayburn, Vincent A.

Westinghouse Air Brake Company, assignee: *See*—
Hines, Claude M.
Whitney, Ralph T.

Westinghouse Electric Corporation, assignee: *See*—
Boyer, John L.
Kurlander, John H.
Wallace, James M.
Wilcox, Charles A.

Wettley, Eberhard E., Chicago, Ill. Cutting implement drive means. 2,601,193, June 17.

Wetzel, Frank O.: *See*—
Knosp, Robert N., Linden, and Wetzel.

Whaley, Randall M.: *See*—
Lark-Horovitz, Karl, and Whaley.

Whatley, William T., Port Arthur, Tex. Removing scale from heating coils. 2,600,820, June 17.

Wheelco Instruments Company, assignee: *See*—
Semm, Paul T.

Wheeler, John W., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Hydraulic brake actuator for helicopter rotors. 2,600,715, June 17.

Whinnery, John R.: *See*—
Jamieson, Hugh W., and Whinnery.

White, Blanche B., and L. J. Rosen, Summit, and P. Blackman, Westfield, N. J., assignors to Celanese Corporation of America. Preparation of cellulose esters. 2,600,716, June 17.

White, Gifford E.: *See*—
Statham, Louis D., and White.

White, John H., Old Greenwich, Conn., and R. T. Schoerner, Oaklawn, assignors to Taco Heaters, Incorporated, Providence, R. I. Automatic air valve. 2,601,216, June 17.

Whitley, Maurice G.: *See*—
Carrier, Robert M., Jr., and Whitley.

Whitney, Ralph T., Irwin, Pa., assignor to Westinghouse Air Brake Company. Reversible engine control equipment. 2,601,195, June 17.

Whittle, Frank, Harrow-on-the-Hill, Middlesex, assignor to Power Jets (Research & Development) Limited, London, England. Multiunit gas turbine power plant for aircraft propulsion. 2,601,194, June 17.

Wicklatz, John E., Bartlesville, Okla., and J. N. Short, Cincinnati, Ohio, assignors to Phillips Petroleum Company. Resinous materials from 1,2-dimethylene cyclohexanes. 2,600,454, June 17.

Wicklatz, John E., Bartlesville, Okla., and J. N. Short, Cincinnati, Ohio, assignor to Phillips Petroleum Company. Preparing substituted cyclohexanes. 2,601,075, June 17.

Wiggins, John H., Chicago, Ill. Dry seal pressure type gasholder. 2,600,717, June 17.

Wilcox, Charles A., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating apparatus. 2,601,011, June 17.

Wild, Heinrich, Baden, Switzerland. Plotting apparatus for photogrammetric surveys. 2,600,948, June 17.

Wilcox & Gibbs Sewing Machine Company, assignee: *See*—
Nelson, Clarence R.

Williams, Ferd E.: *See*—
Ruedy, John E., and Williams.

Williams, J. H., & Co., assignee: *See*—
Coates, Charles F.

Williams, James W., 3rd: *See*—
Yarnall, David R., and Williams.

Williamson, Stanley L., Minneapolis, Minn. Plier-type toggle wrench having third jaw. 2,600,594, June 17.

Willis, Maurice B., assignor of one-third to C. C. Morrison, Haddonfield, N. J., and one-third to R. Kubach, Philadelphia, Pa. Printing device for producing graphs, prints, or the like. 2,601,196, June 17.

Willson, Carl C., Oklahoma City, Okla. Fishing bait aerating device. 2,601,198, June 17.

Wilson, David E., Arlington, Va. Sprouting apparatus device. 2,600,718, June 17.

Wilson, Ivan V., Wakefield, and R. Marotta, Malden, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Fire-retardant compositions. 2,600,455, June 17.

Wilson, John R., Penn Township, Allegheny County, assignor to Hanlon & Wilson Company, Wilkinsburg, Pa. Heat exchanger. 2,600,595, June 17.

Wilson, Joseph L., Saint Thomas, Ontario, Canada. Cage for poultry and animals. 2,601,197, June 17.

Winberg, Hilmer E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-carboanhydrides of beta-amino acids of at least four carbons having non-aromatic, only singly bonded alpha carbon. 2,600,596, June 17.

Winberg, Ragnar W., New York, N. Y. Sewing-machine attachment. 2,600,597, June 17.

Window Supply Co., assignee: *See*—
Young, George M.

Wingate, Phillip J.: *See*—
Heuse, Ralph O., and Wingate.

Winnen, Franklyn E.: *See*—
Benjamin, Milton L., and Winnen.

Winther, Anthony: *See*—
Winther, Martin P. and A.

Winther, Martin P., Gates Mills, Ohio, and A. Winther, Kenosha, Wis., assignors to M. P. Winther, as trustee. Magnetic fluid mixture clutch. 2,601,076, June 17.

Wisconsin Alumni Research Foundation, assignee: *See*—
Campbell, Harold A., Stahmann, Huebner, and Link.

Wittel, Otto: *See*—
Tuttle, Fordyce E., and Wittel.

Wolf, Lester J., Audubon, N. J., assignor to Radio Corporation of America. Transmission line network. 2,600,949, June 17.

Wolfe, John K., Burnt Hills, N. Y., assignor to General Electric Company. Preparation of fluorinated chlorocarbon compounds. 2,601,014, June 17.

Wolff, Otto E., assignor of one-fourth to Polaroid Corporation, Cambridge, Mass. Safety coupling. 2,601,012, June 17.

Wolff, Otto E., assignor of one-fourth to Polaroid Corporation, Cambridge, Mass. Safety coupling. 2,601,013, June 17.

Woo, Wong G., San Francisco, Calif. Fountain brush pen with reciprocal pin feed. 2,601,132, June 17.

Wood Newspaper Machinery Corporation, assignee: *See*—
Tollison, Paul L.

Wood, William, Philadelphia, Pa., assignor to The Permutit Company, New York, N. Y. Seawater desalting composition. 2,600,719, June 17.

Woodin, Walter E., Rahway, assignor to Security Steel Equipment Corporation, Avenel, N. J. Drawer suspension. 2,600,598, June 17.

Wright, Seymour H.: *See*—
Hamerly, Hugo A., and Wright.

Wrightson, John M., North Bergen, assignor to The M. W. Kellogg Company, Jersey City, N. J. Polymerizing trifluorochloroethylene. 2,600,821, June 17.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Zuck, Victor I.

Wyandotte Chemicals Corporation, assignee: *See*—
Jacobs, Edward C., and Lundsted.

Wyche, Christine A.: *See*—
Wyche, Joseph M. and C. A.

Wyche, Joseph M. and C. A., Dayton, Ohio. Manually propelled vehicle. 2,600,950, June 17.

Wycoff, Thomas R., Columbus, Ohio. Sink molding. 2,600,599, June 17.

Wylie, Roger, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Distillation of light hydrocarbons. 2,601,077, June 17.

Wyman, Wallace F., deceased, Salt Lake City, Utah; by W. J. Wyman, administrator, Waseca, Minn., and A. E. Back, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Interior. Promotion of dithionate ion formation in leaching oxidic manganese ores with sulfur dioxide solutions. 2,600,456, June 17.

Wyman, Wallace J., administrator: *See*—
Wyman, Wallace F., and Back.

Wynstra, John, Bloomfield, N. J., assignor to Union Carbide and Carbon Corporation. Copolymers of fatty oil modified polyesters and vinyl monomers. 2,600,457, June 17.

Yardeny, Michel N., now by judicial change of name M. N. Yardney, assignor to Yardney International Corp., New York, N. Y. Rechargeable battery. 2,601,133, June 17.

Yardney International Corp., assignee: *See*—
Yardeny, Michel N.

Yardney, Michel N.: *See*—
Yardeny, Michel N.

Yarnall, David R., Philadelphia, and J. W. Williams 3rd, Ambler, assignors to Yarnall-Waring Company, Philadelphia, Pa. Recording and including resonant vibratory aspects. 2,600,822, June 17.

Yarnall-Waring Company, assignee: *See*—
Yarnall, David R., and Williams.

Yewell, Paul R., Tucson, Ariz. Mineral separating apparatus. 2,600,600, June 17.

Yirava, Charles R., deceased, assignor of fifty per cent to E. Donaldson, Cleveland, Ohio; M. Yirava, administratrix. Tensioning device for a film reel shaft. 2,600 601, June 17.

Yirava, Martha, administratrix: *See*—
Yirava, Charles R.

Young, George M., assignor to Window Supply Co., Nashville, Tenn. Convertible storm window and awning. 2,601,078, June 17.

Zabel, George W., Cincinnati, Ohio, assignor to Fairbanks, Morse & Co., Chicago, Ill. Mold conveying and handling apparatus. 2,601,199, June 17.
Zaccagnini, Concezio L., Watervliet, N. Y., assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa. Hot top electrode tip. 2,600,823, June 17.
Zernicke, Leonard F., Oshkosh, Wis. Milk strainer. 2,601,079, June 17.
Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Multiple spring anchor. 2,601,217, June 17.
Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ stop switching circuit. 2,601,218, June 17.
Zwick, Frederick P., Seattle, Wash. Crankshaft grinder. 2,600,824, June 17.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. E. S. Boerner. 1,106, June 17.
Rose plant. E. Marsh. 1,105, June 17.

LIST OF DESIGN INVENTIONS

Atomizer head. M. Franck. 167,030, June 17.
Blower for fireplace fire. W. V. Dennis, Jr. 167,028, June 17.
Brooch or the like. A. Katz. 167,038–41, June 17.
Brooch or the like. A. Philippe. 167,051–7, June 17.
Brooch, Separable. A. Katz. 167,037, June 17.
Clockcase or similar article. S. J. Kaufman. 167,042, June 17.
Earring or the like. A. Katz. 167,036, June 17.
Earring or the like. A. Philippe. 167,050, June 17.
Electric drill unit, Portable. J. Gottlieb and C. Woessner. 167,034, June 17.
Figurine. J. W. Lindner. 167,045–6, June 17.
Fireplace, Freestanding. G. M. Richards. 167,059, June 17.
Flash holder for photographic cameras. A. H. Crapsey, Jr. 167,027, June 17.
Food tray with extendable wings. R. B. Karoff. 167,035, June 17.
Glasses, Night driving. O. W. Githens and W. W. Ward. 167,033, June 17.
Lamp base, Electric. D. Borowitz. 167,020–6, June 17
Lamp base or like article. L. A. Arditti. 167,018, June 17.
Link chain for a bracelet or the like, Expansible. E. Rodriguez. 167,060, June 17.
Pipe cutter. R. B. Pealer. 167,049, June 17.
Relay or similar article. L. E. Massie. 167,047, June 17.
Screwdriver. T. L. Rhodes. 167,058, June 17.
Stocking examination and repair form. E. W. Boedeker. 167,019, June 17.
Template, Draftsman's. G. W. Kintz. 167,043, June 17.
Tile block. R. J. Galvin. 167,032, June 17.
Toilet case or the like. J. P. Donahue and E. K. Lotthammer. 167,029, June 17.
Transmission line armor rod end clamp. S. Warnock. 167,063, June 17.
Trousers or similar article. W. B. Murphy. 167,048, June 17.
Type cleaning device for typewriters. P. R. Touney. 167,062, June 17.
Vaporizer. A. J. Huck. 167,044, June 17.
Vehicle splash guard. A. Schwartz. 167,061, June 17.
Washer for hypodermic syringe or the like. W. W. Gallagher. 167,031, June 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive head. G. W. Bruner and J. C. Shaffer. 2,600,613, June 17.
Action for key-operated musical instruments of percussion type. F. van den Bergh. 2,601,185, June 17.
Address plate retaining means. C. L. Comegys and E. A. Halg. 2,600,972, June 17.
Adduct of thiourea and chloropicrin and its use as a pesticide. L. Rosenstein and M. H. Gorin. 2,600,431, June 17.
Adhesive tape, Oil-resistant. J. O. Hendricks and C. A. Dahlquist. 2,601,016, June 17.
Adjustable crowfoot wrench. C. F. Coates. 2,600,617, June 17.
Adjustable deflector. B. Spieth. 2,600,934, June 17.
Adjustable strip cutting tool. P. H. Unsinger. 2,601,183, June 17.
Aerator. E. G. Gettins. 2,600,752, June 17.
Affixing conducting tap straps to a paper mounting strip. E. A. Raney. 2,601,005, June 17.
Aggregate receiving and conveying machine. C. L. and J. P. Stodolka. 2,600,588, June 17.
Air comforter bed covering. N. B. Wales, Jr. 2,601,189, June 17.
Aircraft power control system. F. G. Bolio. 2,600,612, June 17.
Aircraft, Rotary wing. R. Hafner. 2,600,531, June 17.
Air-drying wrinkle finish and making. W. A. Waldie. 2,600,818, June 17.
Air filter used in textile fiber preparation. K. Strässler. 2,601,008, June 17.
Air miles recorder and follow-up system. J. H. Andresen, Jr. 2,600,828, June 17.
Airport fueling mechanism. R. J. Jauch, S. Hinds, F. W. Sturm. 2,600,876, June 17.
Alarm, Closure actuated mechanical. J. P. Barton. 2,600,609, June 17.
Alkali metal salts from alkali metal chlorides, Preparation of. M. Sourdet and J. Martin. 2,601,066, June 17.
Alloy: *See*—
Tungsten alloy.
Alloys and rectifiers made thereof. K. Lark-Horovitz and R. M. Whaley. 2,600,997, June 17.
Amino-aryl-pyridyl-alkanols and their esters. K. Hoffmann and E. Tagmann. 2,601,141, June 17.
Amino-coumarin-sulfonates. F. Ackermann. 2,600,375, June 17.
Amusement device, Simulated crane. E. J. Collins, R. H. Breither and D. Pearl. 2,600,849, June 17.
Anchorage for artificial teeth. R. E. Hall. 2,600,496, June 17.
Andiron. H. H. Gilbert. 2,600,753, June 17.
Animated decorative lamp. A. B. Leech. 2,600,664, June 17.
Anion exchange resins and process. W. C. Bauman and G. B. Heusted. 2,601,202, June 17.
Antibacklash reel. F. J. Hoot. 2,601,021, June 17.
Anticurl device for collars. B. Liebowitz. 2,601,035, June 17.
Anticurl device for collars. B. Liebowitz. 2,601,038, June 17.
Apparatus and process for preparing bands from thermoplastic material. R. P. Piperoux, D. B. Hertz and F. M. Culpepper. 2,600,686, June 17.
Apparatus for drying leather and other sheet material. G. H. Jennings. 2,601,150, June 17.
Apparatus for effecting liquid penetration of fabrics. R. D. L. Frederick. 2,600,863, June 17.
Apparatus for elevating contact material. E. J. Grace, Jr. 2,600,528, June 17.
Apparatus for extruding collapsible tubes. F. Remington and R. A. Tartaglia. 2,600,921, June 17.
Apparatus for handling strips of plastic material. V. A. Rayburn. 2,600,574, June 17.
Apparatus for indicating a coordinate position on a chart. J. B. Copping. 2,600,484, June 17.
Apparatus for making paint roller covers and the like. C. H. Barnes and F. Grosse. 2,600,955, June 17.
Apparatus for manufacture of slide fasteners. M. Norkin. 2,600,677, June 17.
Apparatus for multiple copying of cinematographical films. R. F. A. V. D'Avitaya. 2,600,489, June 17.
Apparatus for packaging materials. H. C. Hopp. 2,601,020, June 17.
Apparatus for producing the suspension of a liquid in a gasiform atmosphere. F. Gauchard. 2,600,503, June 17.
Apparatus for reduction of frangible material. G. W. Borton and S. D. Hartshorn. 2,600,964, June 17.
Apparatus for rough and fine grinding of spherical surfaces. J. R. Turner. 2,600,815, June 17.
Apparatus for separation of sulfur vapors. E. S. Boe. 2,600,464, June 17.
Apparatus for sound recording and reproduction on films. J. Brière. 2,600,471, June 17.
Apparatus for tensioning studs. E. C. Ledbetter. 2,600,549, June 17.
Apparatus for treating sound tracks of color film. A. J. Miller. 2,600,565, June 17.
Apparatus for use in the attachment of heels to shoes. J. F. Leahy and J. W. Ashley. 2,600,507, June 17.
Applying and removing extension device for temporary rivets. F. L. Graham. 2,601,117, June 17.
Apron, Scalp. R. M. Marriott. 2,600,557, June 17.
Article dispenser control unit. R. R. Fredrick. 2,601,205, June 17.
Artificial eye for figure toys. R. E. Ellett. 2,601,107, June 17.
Ash removal device. J. Martin. 2,600,896, June 17.
Attachment for book sewing machines. A. R. Gilliam. 2,601,113, June 17.
Attachment for drinking cups, glasses, and similar receptacles to prevent the spilling of liquids contained therein. J. Campomar. 2,600,479, June 17.
Attachment for safety razors. J. D. Karle. 2,600,880, June 17.
Automatic air valve. J. H. White and R. T. Schoerner. 2,601,216, June 17.
Automatic exposure apparatus for making photographic prints. T. P. C. Breuers and T. H. Linthout. 2,600,470, June 17.
Automatic pressing means, more particularly for closing bottles. J. Staller. 2,601,068, June 17.
Automatic reclosing circuit interrupter. J. M. Wallace. 2,601,188, June 17.
Automatic regulation of light falling on deformable cathode-ray tube screen. E. F. Fischer. 2,600,397, June 17.
Automatic regulator control. L. R. Runaldue. 2,601,060, June 17.
Automatic stop control for looms. J. A. Mason. 2,600,667, June 17.
Automatic water valve. D. R. Myers. 2,601,166, June 17.
Automobile jack. E. F. and L. A. Gaudet. 2,600,750, June 17.
Automobile table with folding seat hanger. W. C. Smullen. 2,601,177, June 17.
Auxiliary device for unloading grain bins. L. B. Neighbour. 2,601,049, June 17.
Awning structure. R. R. Ross. 2,601,058, June 17.
Baby cart, Collapsible. K. A. Bevington. 2,600,611, June 17.
Backlash stopper for fishing reels. W. S. Torrence. 2,600,939, June 17.
Bag bottom, Siftproof. M. E. Craig. 2,600,487, June 17.
Bait container. R. V. Allen. 2,600,826, June 17.
Balance testing machine. R. J. Lannen. 2,600,888, June 17.
Balanced modulator. D. G. Holloway. 2,600,873, June 17.
Ball cock. E. W. Hill. 2,601,139, June 17.
Barber's auxiliary seat. B. Klein and C. G. Hoberg. 2,600,547, June 17.
Battery, Rechargeable. M. N. Yardeny. 2,601,133, June 17.
Battery, Rechargeable dry cell. M. Friedman. 2,600,526, June 17.
Bearing: *See*—
Thrust bearing.
Bearing assembly and seal. L. G. Saywell. 2,600,433, June 17.
Bed guard rail. M. B. Gruber. 2,601,015, June 17.
Bed, Railway sleeping car. J. K. Tully and B. E. Jones. 2,600,706, June 17.
Belt mounting for magnetic rail conveyers. D. Buccicone. 2,600,475, June 17.
Beverage carbonating device. F. J. Meldau. 2,600,901, June 17.
Bicycle transmission, Automatic. W. G. Spencer. 2,600,586, June 17.
Blade dispenser. Z. Auerbach. 2,600,830, June 17.
Blending of viscous liquids. R. E. Heyl and E. R. Nett. 2,601,018, June 17.
Blends of hydrocarbon polymers and petroleum waxes, Preparing. J. J. Fish. 2,601,109, June 17.
Boat, Folding. F. B. S. Grimston. 2,600,757, June 17.

Bobby pin applier. L. Wayner. 2,600,711, June 17.
Bombing method and apparatus. L. G. Pooler and M. F. Schoeffel. 2,600,428, June 17.
Bonding using heat sealing protein adhesives. A. C. Beckel, J. C. Cowan, and P. A. Belter. 2,600,388, June 17.
Bowling ball return mechanism. E. E. Pohl. 2,600,918, June 17.
Box and pin separator for separable fastener stringers. L. H. Morin. 2,600,905, June 17.
Bracelet chain. A. Corbi. 2,601,094, June 17.
Brake actuator for helicopter rotors, Hydraulic. J. W. Wheeler. 2,600,715, June 17.
Brassière. E. M. Harrington. 2,600,645, June 17.
Breech mechanism for air guns. A. Lawrence. 2,601,033, June 17.
Bubble cap for washing gases and vapors. H. N. Wade. 2,600,710, June 17.
Buffing and polishing device. M. L. Monger. 2,601,048, June 17.
Butadiene-cobalt carbonyl hydride adduct. W. W. Prichard. 2,600,571, June 17.
Butter coloring tablet and coloring butter. L. Adler, H. A. Reinhardt, and E. E. Ponath. 2,600,381, June 17.
Cabinet. R. Ruch. 2,600,925, June 17.
Cabinet drawer, Filing. R. L. Gallagher. 2,600,986, June 17.
Cabinet for amusement apparatus. N. A. Nelson. 2,600,909, June 17.
Cage for poultry and animals. J. L. Wilson. 2,601,197, June 17.
Calling line and private branch exchange line identifier. W. H. T. Holden. 2,600,502, June 17.
Camera, Close-up stereo. G. Bucky. 2,601,086, June 17.
Cap: *See*—
Slide cap.
Capacitance type liquid quantity gauge. S. J. Smith. 2,601,176, June 17.
Capillary oil device for machines. C. R. Nelson. 2,601,210, June 17.
Carbon black process and apparatus. J. C. Krejci. 2,600,994, June 17.
Carbon paper pack. J. A. Heckman. 2,600,535, June 17.
Carboxyalkylation of ketonic compounds. W. L. Beears. 2,600,387, June 17.
Carburetor economizer mechanism. R. H. Heiger. 2,600,650, June 17.
Card game equipment. B. F. Edwards. 2,600,951, June 17.
Card supporting device. M. C. Ranseen. 2,600,429, June 17.
Card table-supporting rack. D. K. Petersen. 2,600,917, June 17.
Carpet tufting machine. R. C. Kline and J. Miller. 2,600,993, June 17.
Cartridge belt link. P. H. Dixon. 2,600,492, June 17.
Cartridge loading tool. J. D. Crump. 2,600,488, June 17.
Case: *See*—
Tie case.
Case for lipstick and the like. P. Suinat. 2,600,811, June 17.
Catalytic improvement of hydrocarbon synthesis product. A. Voorhies, Jr. 2,600,452, June 17.
Catalytic reduction of carbon monoxide with hydrogen. W. G. Frankenburg and E. T. Layng. 2,600,399, June 17.
Catamenial bandage and absorption control element therefor. W. R. Kellett and L. G. Veler. 2,600,882, June 17.
Cathodic protection of underground metals. H. A. Robinson. 2,601,214, June 17.
Cellular glass of increased durability. W. D. Ford. 2,600,525, June 17.
Cellulose esters, Preparation of. B. B. White, L. J. Rosen, and P. Blackman. 2,600,716, June 17.
Centrifugal blower. C. Klein, R. C. Skarin, and W. G. Tinker. 2,601,030, June 17.
Ceramic product and making same. R. P. Dunmire. 2,601,105, June 17.
Cereal food products, Manufacture of. D. Hale and E. J. Carpenter. 2,600,532, June 17.
Chain: *See*—
Bracelet chain.
Chair: *See*—
Folding lawn chair.
Chair or seat. R. J. Korner. 2,600,886, June 17.
Chair seat. S. Victor. 2,600,944, June 17.
Changing the relative lengths of the intermediate and edge portions of metal strips, Method and apparatus for. G. Stanius. 2,600,442, June 17.
Chaser mounting. W. J. Hogg and D. R. Powell. 2,600,651, June 17.
Chlorotrifluoroethylene polymer-in-monomer slurry, Production of. J. S. Rearick. 2,600,804, June 17.
Choke means for shotguns, Adjustable. W. J. Hoza. 2,600,874, June 17.
Chromic oxide-cadmium chloride-cadmium oxide catalyst. E. C. Jacobs and L. G. Lundsted. 2,600,654, June 17.
Chromium oxide-tungsten oxide-iron oxide gel catalyst. E. C. Jacobs and L. G. Lundsted. 2,600,655, June 17.
Cigar and cigarette holder. S. P. P. Clarke. 2,600,970, June 17.
Cigarette extinguisher and ash tray. M. Badner. 2,600,724, June 17.
Cigarette extinguisher, ash tray, and paperweight, Combined. W. M. Lewis. 2,600,785, June 17.
Circuit: *See*—
Electric delay circuit. Shift register circuit.
Organ stop switching circuit.
Circuit and timer, Sequence control. J. L. Solomon. 2,600,519, June 17.
Circuit breaker. J. G. Jackson. 2,601,147, June 17.
Clamp: *See*—
Work clamp.
Clip: *See*—
Film clip. Reinforcing clip.
Clothes drier device. O. Bahls. 2,600,725, June 17.
Clothes hanger and compartment holder, Combined. V. Walton. 2,601,074, June 17.
Clothes washer and extractor, Combined. W. G. Landwier. 2,601,031, June 17.
Clutch: *See*—
Definite position release Magnetic fluid mixture type clutch.
Coating compositions. I. Weber. 2,600,593, June 17.
Coercing means for gyroscopes. W. W. Bursack. 2,600,476, June 17.
Coffee brewing. P. L. Spencer. 2,601,067, June 17.
Coiled wire for use in antiskid pneumatic tire treads, Making. P. E. Hawkinson. 2,600,534, June 17.
Coin controlled change maker. H. B. Stuart. 2,600,443, June 17.
Coin storing and dispensing device. H. C. Biehl. 2,600,961, June 17.
Collapsible barrier. M. I. Weinberg. 2,600,712, June 17.
Collapsible container. M. Sloane. 2,600,439, June 17.
Color television recording apparatus. E. B. Hales. 2,600,868, June 17.
Colorless amino-2-thiazole, Making. M. J. L. Crauland. 2,600,620, June 17.
Combination propelling and pickup handle for vacuum cleaners. H. S. Barnhart. 2,600,608, June 17.
Combustor for thermal power plants having toroidal flow path in primary mixing zone. A. J. Nerad. 2,601,000, June 17.
Comminuted meat product, Preparing a. W. E. Hauch. 2,600,785, June 17.
Compact, Wrist watch. J. V. MacGillivary. 2,601,158, June 17.
Composition for alleviation of the tobacco habit. C. J. Smith. 2,600,700, June 17.
Composition for reducing the reflection of light. H. R. Moulton. 2,601,123, June 17.
Compressible glass fiber shock absorption material and products, Manufacturing. J. G. Bush. 2,600,843, June 17.
Compression ignition power plant. L. F. R. Fell and R. J. W. Cousins. 2,600,983, June 17.
Concrete and shuttering floor structure. H. W. Ashman. 2,601,082, June 17.
Condenser: *See*—
Evaporative condenser.
Condiment holder. A. T. Brown. 2,600,839, June 17.
Constant surface speed lathe. C. E. Greene and R. B. Lesher. 2,600,988, June 17.
Constant volume variable speed driven vane pump. H. C. French. 2,600,633, June 17.
Construction of thick-walled high-pressure vessels. H. B. Fergusson. 2,600,630, June 17.
Container: *See*—
Bait container. Fishhook container.
Collapsible container. Transportation container.
Container. G. Hammond. 2,600,989, June 17.
Container. C. E. Slaughter. 2,600,438, June 17.
Continuous conveyer-reactor chamber. R. W. Helwig. 2,600,871, June 17.
Continuously weighing aggregate, Method of and apparatus for. R. M. Carrier, Jr., and M. G. Whitley. 2,600,966, June 17.
Control and cutoff mechanism for filling machines. P. R. Fechheimer. 2,600,982, June 17.
Control handle for outboard motors. C. A. Coots. 2,600,852, June 17.
Control mechanism for tapping machines. R. N. Knosp, C. E. Linden, and F. O. Wetzel. 2,600,779, June 17.
Control of the feeding mechanism in sewing machines. A. B. E. Karlsson and A. H. Eriksson. 2,600,544, June 17.
Control switch. A. J. Huck. 2,600,652, June 17.
Control valve. W. T. Stephens. 2,600,702, June 17.
Control valve. V. N. Tramontini. 2,600,705, June 17.
Semiconductor signal translating device with controlled carrier transit times. J. R. Haynes and W. Shockley. 2,600,500, June 17.
Controlling heat in hot machining processes, Method and apparatus for. R. I. N. Weingart. 2,600,453, June 17.
Controlling mechanism for flue cleaning means for heating apparatus. J. A. Logan. 2,601,041, June 17.
Conversion of carbonaceous materials. E. W. Riblett. 2,600,450, June 17.
Cooler: *See*—
Liquid cooler. Plate cooler.
Cooling the air supplied to internal-combustion engines, Method and apparatus for. W. R. Crooks. 2,600,736, June 17.

Copolymerizing conjugated dienes with unsaturated esters in aqueous emulsion. H. F. Park. 2,600,680, June 17.
Copolymerizing conjugated dienes with unsaturated nitriles in aqueous emulsion. H. F. Park. 2,600,679, June 17.
Copolymers from allyl esters and acrylic esters. W. L. Van Horne, L. N. Bauer, and H. T. Neher. 2,600,448, June 17.
Copolymers from allyl esters and methacrylic esters. L. N. Bauer, H. T. Neher and W. L. Van Horne. 2,600,383, June 17.
Copolymers of acrylates and allyl esters. H. T. Neher, W. L. Van Horne and L. N. Bauer. 2,600,421, June 17.
Copolymers of acrylic and vinyl esters. W. L. Van Horne, H. T. Neher and L. N. Bauer. 2,600,450, June 17.
Copolymers of allyl esters and maleates. W. L. Van Horne, L. N. Bauer and H. T. Neher. 2,600,447, June 17.
Copolymers of dimethylstyrenes and vinyl acyclic compounds. E. L. Kropa. 2,600,783, June 17.
Copolymers of dimethylstyrenes and vinyl cyclic compounds. E. L. Kropa. 2,600,782, June 17.
Copolymers of fatty oil modified polyesters and vinyl monomers. J. Wynstra. 2,600,457, June 17.
Copolymers of methacrylates and allyl esters. W. L. Van Horne, L. N. Bauer and H. T. Neher. 2,600,446, June 17.
Copolymers of methacrylic and vinyl esters. W. L. Van Horne, L. N. Bauer and H. T. Neher. 2,600,451, June 17.
Core-suppling means for winding machines. J. A. Molloy. 2,600,793–4, June 17.
Correcting electronic optical systems. F. Bertein. 2,600,463, June 17.
Cot for infants, Foldable. A. E. Foster. 2,601,111, June 17.
Cotton, Maturing. K. L. England. 2,600,861, June 17.
Coupling: *See*—
  Safety coupling.
Cover: *See*—
  Ironing apparatus cover. Wheel cover.
Cover for bake pan units. J. L. Darnell. 2,601,099, June 17.
Cover rack. E. L. Greensfelder. 2,600,755, June 17.
Crystal violet, Producing. R. O. Heuse and P. J. Wingate. 2,600,649, June 17.
Cuff button. C. S. Marien. 2,600,894, June 17.
Cultivator, Crossrow. J. A. Deville. 2,600,858, June 17.
Cutting implement drive means. E. E. Wettley. 2,601,193, June 17.
Cutting sheet material into blanks. E. Blair. 2,600,834, June 17.
Cylinder adjusting mechanism for rotary printing presses. R. R. Richardson and W. H. Edmondson. 2,601,220, June 17.
Cylinder sleeve roller. V., and G. W. Pace. 2,600,800, June 17.
Decolorizing caustic soda solutions. W. R. Bennett and C. A. Cummins. 2,601,203, June 17.
Definite position release type clutch. H. G. Goetz and H. F. Ruschmann. 2,600,636, June 17.
Dehydration. D. B. Vincent. 2,600,945, June 17.
Δ^4-17α-methyl-3,20-dioxo-pregnene. P. A. Plattner. 2,601,168, June 17.
Dental appliance. F. L. McClain. 2,600,899, June 17.
Detackifying and cure activation compositions. E. A. Van Valkenburgh. 2,600,943, June 17.
Determination of the color of egg yolk products. E. Selz. 2,601,173, June 17.
Device for driving a film in a multifilm cinematographic projector. J. Thévenaz. 2,601,181, June 17.
Device for gauging recess diameters. H. A. Hamerly and S. H. Wright. 2,600,498, June 17.
Device for generating arcs or the like. E. H. Wang. 2,600,591, June 17.
Device for imparting controlled displacements to machine-tool members. A. M. Le Lan. 2,601,157, June 17.
Device for measuring the resonance-magnification of resonant systems. G. N. Comte. 2,600,973, June 17.
Device for mixing fluids. J. H. Jeffree. 2,600,877, June 17.
Device for removing wrappers from packaged goods, such as chewing gum, confections, or the like. C. G. Boyer. 2,600,837, June 17.
Dial, Illuminated. J. L. H. Hand. 2,600,644, June 17.
Diaper, Prefolded. J. J. Gannon. 2,600,634, June 17.
Die: *See*—
  Threading die.
Die or mold and cooling assembly therefor. H. L. Horn. 2,600,772, June 17.
Differential thermostat with opposing bimetallic coils and partition therebetween. H. H. Kersten. 2,601,028, June 17.
Dihydropterins, Preparing. C. W. Waller and J. H. Mowat. 2,601,215, June 17.
Directory, Illuminated. L. R. Eberwein. 2,601,106, June 17.
Discharger for pressurized metal bulbs. G. L. Neely. 2,601,211, June 17.
Disk harrow. S. S. Moore. 2,601,165, June 17.
Disk, Sound record. W. Rabkin. 2,600,573, June 17.
Dispenser: *See*—
  Blade dispenser.
Dispensing device for tape. B. D. Morgan. 2,600,904, June 17.
Dispensing machine. W. C. Marsh. 2,601,159, June 17.
Dispensing machine, Sliced bread. G. O. Guesmer and H. E. Schulze. 2,601,118, June 17.
Display sign and supporting base, Combined. F. S. Mason. 2,600,791, June 17.
Dissociation of ammonia. E. F. Rosenblatt and J. G. Cohn. 2,601,221, June 17.
Distillation of light hydrocarbons. R. Wylie. 2,601,077, June 17.
Diversity receiving system. D. H. Pritchard. 2,600,919, June 17.
Doorframe construction, Pressed steel. J. R. Montgomery. 2,601,164, June 17.
Drawer suspension. W. E. Woodin. 2,600,598, June 17.
Drier: *See*—
  Grain drier.
Drill hole locating apparatus. G. F. De La Mater. 2,600,857, June 17.
Drilling fluid. A. C. Nestle. 2,601,050, June 17.
Drive mechanism. L. P. Millard. 2,600,416, June 17.
Drive motor control for engine electric driven vehicles. B. M. Mathias. 2,600,897, June 17.
Drive shaft assembly for rotary well-drilling apparatus. A. R. Maier. 2,600,555, June 17.
Driven steering wheel assembly for coal loaders. A. L. Lee. 2,600,663, June 17.
Dry seal pressure type gasholder. J. H. Wiggins. 2,600,717, June 17.
Drying warp sheets and the like, Method and apparatus for. J. R. Andrews, Jr. 2,601,080, June 17.
Dual action ball switch. G. R. Benak. 2,600,832, June 17.
Dumping device. R. E. Miller. 2,601,163, June 17.
Dust cover for books. A. W. Moon. 2,600,672, June 17.
Dustpan. W. Strumbos. 2,601,069, June 17.
Easel, Enlarging. A. B. Simmons. 2,600,809, June 17.
Egg washing and scrubbing apparatus. L. J. Bowler. 2,600,467, June 17.
Elastomer stopper. W. F. Butler, T. P. Stafford and F. A. Cutter. 2,601,091, June 17.
Electric delay circuit. R. E. Collis and J. W. Dehn. 2,600,482, June 17.
Electric heater. D. B. Cox. 2,600,486, June 17.
Electric switch. W. J. Hubbard. 2,601,142, June 17.
Electrical apparatus. J. V. Caputo and T. J. Crawford. 2,600,844, June 17.
Electrical conductors and making the same. E. A. J. Mol. 2,600,587, June 17.
Electrical control system. J. W. Picking. 2,601,002, June 17.
Electrical control system. G. E. Undy. 2,600,941, June 17.
Electrical system with output signal varying logarithmically with respect to the input signal. A. W. Nolle. 2,600,423, June 17.
Electrically heated implement. G. D. Brock. 2,600,472, June 17.
Electrode structure for electron discharge devices. H. Jacobs and G. Hees. 2,601,024, June 17.
Electron discharge tube apparatus. G. Diemer. 2,600,491, June 17.
Electron tube support and cooling device. D. B. Kelm. 2,601,027, June 17.
Electronic impedance meter. E. H. Levy. 2,600,998, June 17.
Electronic physchrometer. H. J. Ewen. 2,600,396, June 17.
Electrophotographic apparatus. E. R. Sabel and E. T. Macey. 2,600,580, June 17.
Elevating and lowering device for baling presses and the like. I. Spitz. 2,600,587, June 17.
Elevator control, Electromechanical automatic. A. W. Noon. 2,600,676, June 17.
Elliptical type street lighting reflector incorporating parabolic reflecting areas. P. H. Mitchell. 2,600,514, June 17.
Enclosed level-wind for fishing reels. E. P. Hurd and H. F. Dies. 2,600,774, June 17.
Endless chain of counting relays. R. P. Boyer, Jr., and J. I. Bellamy. 2,600,729, June 17.
Engine cylinder construction for cooling valve seat inserts. A. T. Gregory. 2,600,529, June 17.
Engine stop device. F. J. St. Lucas. 2,600,810, June 17.
Engine with secondary taker-in, Carding. G. Clapperton. 2,600,969, June 17.
Envelope for collapsible tubes, Resilient spring. E. Freedman. 2,600,631, June 17.
Esters of thiophene-modified maleic anhydride-styrene copolymers and oil compositions containing the same. F. P. Otto and O. M. Reiff. 2,600,798, June 17.
Evaporative condenser. A. E. Dempsey, Jr. 2,600,738, June 17.
Exposure apparatus for photographic contact printing on rotary cylinders. T. P. C. Breuers and T. H. Linthout. 2,600,469, June 17.
Extractor: *See*—
  Stud extractor.
Eyecup set, Adjustable twin. J. Raschkind. 2,600,920, June 17.
Eyeshade. A. M. Brown and N. M. Earl. 2,601,084, June 17.
Fastening member for perforated sheet material members. J. E. Bales. 2,601,201, June 17.

Feeder: *See*—
  Mechanical chicken feeder. Premature infant feeder.
Fence. W. M. Martensen. 2,600,666, June 17.
Film clip. R. J. Eyre. 2,600,980, June 17.
Filter: *See*—
  Liquid filter.
  Tunable narrow band optical filter.
Filter mechanism. M. Lax. 2,601,156, June 17.
Filter unit. F. W. Cloedy and C. E. Holt. 2,600,480, June 17.
Filtration plant flow control responsive to demand. P. Hardy. 2,601,137, June 17.
Finger magnet device. J. E. Hauser. 2,600,647, June 17.
Firearm with time delay firing means. G. W. Hammar. 2,601,135, June 17.
Fire-retardant compositions. I. V. Wilson and R. Marotta. 2,600,455, June 17.
Fishhook container. M. J. Lester. 2,600,665, June 17.
Fishhook, Weedless. P. Mattieson. 2,601,160, June 17.
Fish landing net. F. C. Hungerford. 2,600,773, June 17.
Fishing bait aerating device. C. C. Willson. 2,601,198, June 17.
Fishing buoy. H. J. Neef. 2,600,797, June 17.
Fishing lure. M. F. Murray. 2,600,673, June 17.
Fishing lure. J. P. Siepe. 2,600,437, June 17.
Fishing reel. E. J. and D. Perinoni. 2,600,685, June 17.
Fishing reel with nonrotary bobbin. P. Mauborgne. 2,600,558, June 17.
Fishing rod joint. L. B. Feierabend. 2,600,629, June 17.
Fitting and sealing means therefor. J. G. Livingstone. 2,601,040, June 17.
Fixture redector aligner. R. E. Kingston and R. G. Marchisio. 2,600,884, June 17.
Flagstaff, Detachable. M. W. Burgess. 2,601,088, June 17.
Flame detector. P. T. Semm. 2,600,928, June 17.
Flash holder bracket attachment for cameras with resiliently held latches. A. B. Fox. 2,600,748, June 17.
Flashlight comprising permanently assembled lamp, cell, housing, and switch structure. F. H. Müller. 2,600,418, June 17.
Flashlight device. H. L. Malone and G. C. Underwood. 2,600,789, June 17.
Flexible coupling and overload clutch, Combined. E. N. Natkins. 2,600,674, June 17.
Flexible rotary reaming apparatus. J. E. Turnbaugh. 2,600,707, June 17.
Float and mercury switch, Combined. C. J. Koch, Jr. 2,600,659, June 17.
Fluid control valve. H. E. Henriksen. 2,600,872, June 17.
Fluid regulator. S. A. Jacques. 2,601,207, June 17.
Fluid power transmission. S. Mayner. 2,601,045, June 17.
Fluid pressure control valve. W. Ernst. 2,600,746, June 17.
Fluid pressure operated portable compressing tool. H. P. Dupre. 2,600,860, June 17.
Fluorescent screens, Producing. P. L. Spencer. 2,601,178, June 17.
Fluorinated chlorocarbon compounds, Preparation of. J. K. Wolfe. 2,601,014, June 17.
Fluxing apparatus. G. Komarek. 2,600,408, June 17.
Flywheel system. S. D. Livingston. 2,600,552, June 17.
Folding gaff hook. E. Lisignoli. 2,600,510, June 17.
Folding lawn chair. A. E. Ellingson. 2,600,626, June 17.
Foot lounge, Combination. W. A. Gross. 2,600,759, June 17.
Foot support. W. M. Fuller. 2,600,864, June 17.
Force transmission apparatus. W. H. D. Brouse. 2,601,083, June 17.
Forceps with interchangeable beaks, Dental extracting. T. F. Prather. 2,600,803, June 17.
Formation tester and pipe perforator with control means therefor. B. R. McKinley. 2,601,122, June 17.
Forming glass beads, Method and apparatus for. C. C. Bland. 2,600,963, June 17.
Forming paper from modified calcium alginate fibers. A. Johnson and E. G. Millatt. 2,600,504, June 17.
Fountain brush pen with reciprocal pin feed. W. G. Woo. 2,601,132, June 17.
Fountain curling rod. J. S., E. L., and O. A. Berman. 2,600,727, June 17.
Freon 12 dehydrator and manifold. S. A. Shapiro. 2,600,435, June 17.
Friction disk separator for double disk clutches. C. B. Spase. 2,600,520, June 17.
Furnace: *See*—
  Nonsmoke-back solid fuel Snow melting furnace. furnace.
Furnace and heat retaining unit therefor. S. E. Navarro. 2,601,167, June 17.
Furnace reactor. V. F. Parry. 2,600,425, June 17.
Game device, Football. J. M. Tullio. 2,600,940, June 17.
Gang punching machine. C. E. Emmer. 2,601,108, June 17.
Garment construction. H. M. McDonald. 2,601,046, June 17.
Gas-burning torch. R. M. Varley. 2,600,709, June 17.
Gas generator and waste heat boiler. W. S. Patterson. 2,601,001, June 17.
Gas mixing apparatus. T. L. Clift. 2,600,733, June 17.
Gas-washing apparatus. A. J. Ebner. 2,600,743, June 17.
Gasket for pressure cookers. M. B. Wenscott and C. O. Strom. 2,600,714, June 17.
Gauge: *See*—
  Capacitance type liquid quantity gauge. Tire gauge.
Gauge having pivoted elements. P. W. Johnson. 2,601,119, June 17.
Gear and motor, Sanitary. W. P. Schmitter. 2,600,697, June 17.
Gear for motor vehicles, Steering. J. Köpfil. 2,600,885, June 17.
Gear pump. J. E. Cintron. 2,601,004, June 17.
Gear pump. G. W. Pontius, III. 2,601,003, June 17.
Generator: *See*—
  Starter generator.
Glass melting method. C. F. De Voe. 2,600,490, June 17.
Glycol esters of alkyl-mercapto-carboxylic acids. P. V. Smith, Jr., L. A. Mikeska, and A. H. Popkin. 2,601,063, June 17.
Golf bag support. D. S. Wells. 2,600,713, June 17.
Governor-controlled compressor and the like. J. S. Dale. 2,600,855, June 17.
Grain drier. R. D. Applegate. 2,600,603, June 17.
Graphic method of teaching music. M. Church. 2,600,968, June 17.
Gravity conveyer for cartons with bottom adhesive appliers. M. C. Faust. 2,600,747, June 17.
Grid-type display sign. F. E. Tuttle and O. Wittel. 2,600,816, June 17.
Grinder, Crankshaft. F. P. Zwick. 2,600,824, June 17.
Grinding fixture for single point tools. J. J. Sanders. 2,600,432, June 17.
Grinding fixture for welded tubing. J. A. Clyde. 2,600,481, June 17.
Grinding wheel truing apparatus. L. J. Lalime. 2,600,548, June 17.
Gun sight. J. L. Fluty. 2,600,985, June 17.
Gun sight. D. V. Gallery, Jr. 2,600,400, June 17.
Gun sight. A. M. Pasquarella. 2,600,801, June 12.
Hacksaw machine. G. S. Lodwick. 2,600,787, June 17.
Hair curling device. R. V. Brothers. 2,600,730, June 17.
Hair-waving composition. M. Del Zoppo. 2,600,624, June 17.
Halogen-subatituted pyrazolone couplers for color photography. A. Loria, A. Weissberger, and P. W. Vittum. 2,600,788, June 17.
Halogenated aromatic compounds. S. D. Ross and M. Markarian. 2,600,691, June 17.
Hand electric plane. R. Drysdale. 2,600,859, June 17.
Handle: *See*—
  Insulating handle.
Handle for sensory aid instrument having light projecting means. R. E. Ulrich. 2,600,708, June 17.
Handling apparatus for hollow coils and the like. S. F. Jackes and R. H. Sheets. 2,600,538, June 17.
Hanger fitting. W. B. Crawford. 2,600,974, June 17.
Harvester, Peanut. G. C. Kearse. 2,600,992, June 17.
Hatch cover and ventilator for storage tanks, Combined. W. F. Wagner. 2,600,947, June 17.
Hay baler sleeve. G. Almquist. 2,600,827, June 17.
Heat exchanger. J. R. Wilson. 2,600,595, June 17.
Heat exchanger control. P. S. Dickey. 2,601,102, June 17.
Heat resistant magnetic cores and making. W. J. Polydoroff. 2,601,212, June 17.
Heater: *See*—
  Electric heater. Unit heater.
Heater and thermostat selector shield therefor. W. G. Cartter. 2,600,616, June 17.
Heating apparatus. C. A. Wilcox. 2,601,011, June 17.
Heating element, Multiple coil tubular. C. B. Backer. 2,600,605, June 17.
Heating frozen food packages. F. W. Moffett, Jr. 2,600,566, June 17.
Heel for shoes, Interchangeable. G. Lövy. 2,600,511, June 17.
Heel, Shoe. W. J. Walsh. 2,600,819, June 17.
Helicopter control. S. J. Burwell. 2,601,090, June 17.
Helicopter control. I. I. Sikorsky. 2,600,930, June 17.
Helmet having retractible transparent visor, Fire. R. E. Jamison, Jr. 2,601,149, June 17.
High-aperture and high-transmission three component objective. L. J. Bertele. 2,600,610, June 17.
High-frequency electric discharge device. H. W. Jamieson and J. R. Whinnery. 2,601,025, June 17.
High-voltage supply. M. B. Knight. 2,601,153, June 17.
High-voltage switch. L. C. Hart. 2,601,138, June 17.
Hinge for molded boxes or other molded articles. P. A. Derham. 2,601,101, June 17.
Hitch, J. C. Bender. 2,600,959, June 17.
Hitch, Tractor-implement. R. W. Hagedorn. 2,600,642, June 17.
Hoist, Electric. J. P. Lannen. 2,600,887, June 17.
Holder: *See*—
  Cigar and cigarette holder. Key holder.
  Condiment holder. Plastic milk carton holder.
  Hypodermic needle holder. Spool holder.
  Instrument holder.
Holder for band-saw guides. R. L. Crane. 2,601,095, June 17.
Holding means for preparing artificial silk cakes foldable reel. A. Bruegger. 2,600,840, June 17.

Hook: *See*—
Folding gaff hook.
Hose, Load-sustaining and fluid-conducting. C. E. Bannister. 2,600,607, June 17.
Hosiery. G. N. Cooper. 2,600,851, June 17.
Hot top electrode tip. C. L. Zaccagnini. 2,600,823, June 17.
Hubcap retainer. P. H. Herrick. 2,601,017, June 17.
Hydraulically operated valve seat. V. T. Maxwell. 2,600,898, June 17.
Hydrofluoric acid refining of hydrocarbon oils. S. Miron. 2,600,671, June 17.
Hydrogenated products. M. T. Harvey. 2,600,764, June 17.
Hydrolysis of alpha-hydrocarbon-alpha, beta-dihalocarbonylic compounds. G. W. Hearne and C. G. Schwarzer. 2,600,766, June 17.
Hydrolyzed copolymers of fluorinated vinyl compounds. F. G. Pearson. 2,600,684, June 17.
Hypodermic needle holder. A. J. Son. 2,601,065, June 17.
Ice sizing machine. H. A. Lehman and J. A. and W. W. Bateman. 2,600,508, June 17.
Igniting device for smudge pots. S. R. Crockett. 2,601,098, June 17.
Illuminated combined optical mirror signal device for vehicles and the like. A. Gazda. 2,600,751, June 17.
Impact attachment for wheel lug wrenches. P. H. Nash. 2,600,796, June 17.
Impact wrench. C. E. Fitch. 2,600,495, June 17.
Index fixture. M. L. Benjamin and F. E. Winnen. 2,600,960, June 17.
Index tab. G. J. Aigner. 2,600,825, June 17.
Index tab. C. E. Jones. 2,601,026, June 17.
Indicator: *See*—
Taper control indicator. Variable number indicator.
Indicator-type adapter for battery cell caps. R. C. Castlen. 2,600,732, June 17.
Inductance type pick-off. V. R. Kimball and R. T. Maiorany. 2,600,546, June 17.
Inflation valve. F. Fenton. 2,600,862, June 17.
Inking ribbon spool. E. M. Lippert. 2,600,409, June 17.
Inlet fixture for liquid tanks. T. H. Swisher. 2,600,521, June 17.
Insecticidal composition comprising DDT pyrethrins, and piperonyl butoxide. L. C. McAlister, Jr. 2,600,668, June 17.
Inserting stay strips in collars. B. Liebowitz. 2,601,037, June 17.
Insole and making same. C. Handa. 2,601,136, June 17.
Instrument holder. V. E. Hofmann. 2,600,771, June 17.
Instrument, Land measuring. E. S. Gandrud. 2,600,865, June 17.
Instrument, Measuring. F. K. Klutke. 2,600,778, June 17.
Instrument, Stringed musical. C. R. Kiley. 2,600,545, June 17.
Insulating bushing with pressure-limiting means. J. Dormont. 2,600,979, June 17.
Insulating handle. O. Messerschmidt. 2,600,902, June 17.
Insulating pipe covering composition. H. K. Thomas. 2,600,812, June 17.
Interchangeable roller neck for textile fluted rolls. A. M. Guillet. 2,601,134, June 17.
Iron: *See*—
Steam electric creasing iron.
Iron stand. R. I. Huffman. 2,600,653, June 17.
Ironing apparatus cover. R. G. Olson. 2,600,913, June 17.
Jack: *See*—
Automobile jack.
Jet propulsion and control means therefor. A. Douglas. 2,601,104, June 17.
Joint: *See*—
Fishing rod joint.
Key holder. H. A. Gallagher. 2,600,749, June 17.
Keyhole splice. J. J. Domoj and S. Rosenberg. 2,600,395, June 17.
Key retainer. D. Michnoff. 2,600,563, June 17.
Killing submerged water weeds. J. M. Shaw, T. R. Bartley, and R. S. Rosenfels. 2,600,436, June 17.
Knuckle joint for rearvision reflectors. F. N. Marianl. 2,600,893, June 17.
Labyrinth seal arrangement. F. L. Hargrove. 2,600,991, June 17.
Ladder, Adjustable mobile. H. W. Rieser. 2,600,807, June 17.
Lamp: *See*—
Animated decorative lamp.
Lamp diffuser for elongated tubular lamps. R. D. Lee. 2,601,034, June 17.
Latch mechanism. A. Colonna. 2,600,483, June 17.
Lawn mower having opposite handed helical cutting blades. N. Madsen. 2,600,892, June 17.
Lawn sprinkler, Revolving. C. Gallice. 2,600,987, June 17.
Layout board for photographic reproduction. M. H. Jones. 2,600,505, June 17.
Letter actuated tripping device in postage printing machines. W. J. Hanson. 2,600,990, June 17.
Leveler attachment for disk harrows. A. C. Cross. 2,600,854, June 17.
Lever mounting means for flush tank sterilizing devices. E. A. Strattman. 2,600,937, June 17.
Light control member. L. Rosenstein. 2,601,127, June 17.
Light dividing apparatus for producing television in color. R. Thomas. 2,600,590, June 17.
Light-sensitive silver halide photographic elements. W. D. Baldsiefen. 2,600,831, June 17.
Lighting outfit subassembly machine. J. Sakirsky. 2,600,694, June 17.
Line blind construction. L. S. Hamer. 2,600,497, June 17.
Liquid cooler. J. M. Brunstad. 2,600,474, June 17.
Liquid filter. R. E. Carrigan. 2,600,845, June 17.
Litter collector. T. H. Fahey. 2,600,981, June 17.
Load-carrying safety switch. J. W. Hunt. 2,601,144, June 17.
Loader of the dipper type. G. R. Dempster. 2,600,739, June 17.
Loaf wrapping machine. T. Jensen. 2,600,878, June 17.
Lock for trailer vacuum brakes, Automatic. A. J. Gross. 2,600,758, June 17.
Locking device for book supporting metals. W. E. Schroer. 2,600,808, June 17.
Log supporting and log manipulating device for wood debarking devices. E. Ekholm and V. C. Haner. 2,600,625, June 17.
Longitudinally adjustable legs, for example for seats, stools, or the like. C. and E. Corneliussen. 2,600,735, June 17.
Loom: *See*—
Toy bead loom.
Loom. S. P. Parker. 2,600,682, June 17.
Looper mechanism for blind-stitch sewing machine. F. Parry. 2,601,054, June 17.
Low-capacity vapor-electric device. J. L. Boyer. 2,600,390, June 17.
Low-frequency vibrational pickup. A. A. Chernosky. 2,600,967, June 17.
Low-temperature separation of gases into constituents. J. S. Swearingen. 2,601,009, June 17.
Low-temperature separation process. B. J. Ferro, Jr. 2,600,494, June 17.
Lowering blood prothrombin level and lengthening clotting time with methylene-bis-hydroxy coumarin. H. A. Campbell, M. A. Stahmann, C. F. Huebner, and K. P. Link. 2,601,204, June 17.
Machine drive. M. Shapiro. 2,600,929, June 17.
Machine for filling liquids in containers in vacuum. W. K. Cabot. 2,600,391, June 17.
Machine for removing portions of the coating from coated glass articles. A. F. Casler. 2,600,846, June 17.
Machine for the manufacture and delivery of parallelepipedal paperboard boxes. G. Bardet. 2,600,954, June 17.
Magnetic case for elongated articles of magnetic material. R. J. Swanson. 2,600,589, June 17.
Magnetic circuit control for burglar alarms. B. Schenendorf. 2,600,581, June 17.
Magnetic core. F. Brockman. 2,600,473, June 17.
Magnetic fluid mixture clutch. M. P. and A. Winther. 2,601,076, June 17.
Magnetic power unit reversing drive. W. L. Morrison, Jr., and J. D. Cole. 2,600,795, June 17.
Magnetic unloader and pressure switch. H. E. Cobb and N. H. Koertge. 2,600,618, June 17.
Making a thickened reinforced portion in a relatively thin metal plate. D. M. King. 2,601,029, June 17.
Making and curing power transmission belts, Method and apparatus for. J. A. Hurry and E. Nassimbene. 2,600,775, June 17.
Maleate-methacrylate copolymers. H. T. Neher, L. N. Bauer and W. L. Van Horne. 2,600,422, June 17.
Maleate-vinyl laurate copolymers. L. N. Bauer, H. T. Neher and W. L. Van Horne. 2,600,386, June 17.
Maleic acrylic copolymers. W. L. Van Horne, L. N. Bauer, and H. T. Neher. 2,600,449, June 17.
Manganese activated zinc barium silicate phosphor. S. Larach. 2,601,032, June 17.
Manual door operation of vertically movable doors. R. H. Sommers and A. W. Frank. 2,600,441, June 17.
Manually and automatically operated valve. W. B. Kochner. 2,600,660, June 17.
Manually propelled vehicle. J. M. and C. A. Wyche. 2,600,950, June 17.
Marble shooter. G. R. and W. R. Teschel. 2,601,070, June 17.
Marshmallow, Making. E. T. Oakes. 2,600,569, June 17.
Mass spectrometer for simultaneous multiple gas determinations. A. R. Crawford. 2,601,097, June 17.
Materials for use in packing eggs. A. Goldrei. 2,600,637, June 17.
Measuring fish wire reel. E. B. Atkinson. 2,600,722, June 17.
Measuring low pressures and related conditions, Method and apparatus for. W. G. Stone. 2,600,936, June 17.
Mechanical arrangement of lighting variators. A. Arvidsson. 2,601,081, June 17.
Mechanical chicken feeder. J. W. Roberts and R. D. and A. Hogan. 2,601,057, June 17.
Mechanism for loading grease guns. J. A. Purvis. 2,601,169, June 17.
Mechanism for shifting gears. R. L. Herrell. 2,600,767, June 17.
Medium for use in making camera copy and preparing the same. M. D. McIntosh. 2,601,161, June 17.

Medium-strength corrosion-resistant aluminum alloys. T. L. Fritzlen. 2,601,206, June 17.
Memorandum pad unit. C. C. Harris. 2,600,533, June 17.
Memory device. A. M. Krueger and R. H. Peterson. 2,601,154, June 17.
Mending machine, Hosiery. C. W. Gardner. 2,600,635, June 17.
Metal foil heating device. D. B. Cox. 2,600,485, June 17.
Metallic insert for pneumatic tires. H. E. Kimes. 2,600,506, June 17.
Meter: *See*—
Electronic impedance meter.
Method and apparatus for photoelectrically assorting, recording, or computing. J. A. Victoreen. 2,600,817, June 17.
Method and machinery for making bottle caps. B. Cohn. 2,600,393, June 17.
Microscope, Interference. F. H. Smith. 2,601,175, June 17.
Mineral separating apparatus. P. R. Yewell. 2,600,600, June 17.
Mining machine. E. D. M. Guillick. 2,600,640, June 17.
Mixing and flow controlling valve. J. F. Ovary. 2,601,053, June 17.
Mixing device. O. R. Smith. 2,600,932, June 17.
Modified alkyd resin reacted with styrene and an acrylonitrile. J. H. Daniel, Jr., and J. C. Petropoulos. 2,600,623, June 17.
Modulator. E. M. Creamer, Jr., and W. P. Boothroyd. 2,601,096, June 17.
Mold: *See*—
Stemmed cherry mold.
Mold conveying and handling apparatus. G. W. Zabel. 2,601,199, June 17.
Mold for casting printers' rules, leads, and the like. J. C. McCauley. 2,600,559, June 17.
Molding apparatus. M. M. Barton. 2,600,958, June 17.
Molding granules, Production of. J. L. Amos, J. L. McCurdy and A. W. Hanson. 2,601,200, June 17.
Motor control circuits. B. S. Nelson. 2,600,568, June 17.
Motor device, Oscillatory. B. H. Smith. 2,601,174, June 17.
Mounting: *See*—
Chaser mounting.
Mounting and demounting of pulleys, gears, wheels, and like elements. A. Voedisch. 2,600,946, June 17.
Mounting mirrors on dressers. R. P. Royer. 2,600,578, June 17.
Movable device for driving piles and the like. A. P. Jourdain. 2,600,542, June 17.
Multilenticular collimating gun sight device and optical system. J. H. Kurlander. 2,600,662, June 17.
Multiple shingle and siding casting molds. R. B. Stuart and R. C. Livoni. 2,601,180, June 17.
Multiple spring anchor. V. I. Zuck. 2,601,217, June 17.
Multiunit gas turbine power plant for aircraft propulsion. F. Whittle. 2,601,194, June 17.
N-carboanhydrides of beta-amino acids of at least four carbons having nonaromatic, only singly bonded alpha carbon. H. E. Winberg. 2,600,596, June 17.
Necktie rack. P. Pestyner. 2,600,916, June 17.
Nonslip wrench. P. C. Snyder. 2,601,064, June 17.
Nonsmoke-back solid fuel furnace. D. T. Campbell. 2,600,614, June 17.
Obtaining purified phenols and cresols of petroleum origin. N. Fragen and R. M. Alm. 2,600,621, June 17.
o-Ethyl s-ethyl o-para nitrophenyl thiophosphate, Making. H. L. Morrill. 2,601,219, June 17.
Offshore drilling means. E. P. Halliburton. 2,600,761, June 17.
Oil can drain stand. S. C. Hofacer. 2,600,770, June 17.
Oil-soluble allyl copolymers. H. T. Neher, L. N. Bauer and W. L. Van Horne. 2,600,419, June 17.
Oil-soluble allyl-vinyl ester copolymers. H. T. Neher, W. L. Van Horne and L. N. Bauer. 2,600,420, June 17.
Opener, Can. A. Carp. 2,600,615, June 17.
Opener, Can. R. E. McLean. 2,600,792, June 17.
Opener, Container. C. Gausbeck. 2,600,866, June 17.
Organ stop switching circuit. V. I. Zuck. 2,601,218, June 17.
Ornamental trimming or fagoting strip for box pleats. J. Nachman. 2,600,908, June 17.
Outer bearing for rotatable servers. J. D. Rodolfa. 2,600,922, June 17.
Oxidizing acidic sulfur compounds of the type which occur in hydrocarbon oil. D. C. Bond. 2,600,465, June 17.
Oxygen tent or like enclosure. G. W. Higgs. 2,600,501, June 17.
Oxygenation of olefins. F. W. Sullivan, Jr. 2,600,444, June 17.
Packaging a predetermined weight of food material, Method and apparatus for. E. H. Carruthers. 2,601,093, June 17.
Packaging means for toy pistols. R. O. Wesley. 2,601,192, June 17.
Packer for wells. N. T. Breaux. 2,600,468, June 17.
Packing machine for powder materials. G. C. Griffin and W. G. Ivany. 2,600,530, June 17.
Pad for playpens or cribs, Protective. E. F. Malm. 2,600,556, June 17.
Page turner. M. D. Merrion. 2,601,047, June 17.
Paint can splash protector with handle. C. Wells. 2,601,190, June 17.
Panel fastening device. O. J. Poupitch. 2,601,213, June 17.
Pantograph machine tool. C. M. Griffin. 2,600,402, June 17.
Paperboard product and making same. W. F. Gillespie. 2,601,114, June 17.
Paper package. D. M. Scoville. 2,600,927, June 17.
Partially hydrogenated furfuraldehydeketone reaction products thickened under acidic conditions. M. T. Harvey. 2,600,403, June 17.
Pen Point, Fountain. L. A. Paul. 2,600,426, June 17.
Pencil attachment for dialing telephones. H. W. Sams. 2,601,129, June 17.
Pendulum motors, particularly for clocks, Electrically maintained. S. Gold. 2,600,754, June 17.
Phosphor screens, Making. J. E. Ruedy and F. E. Williams. 2,600,579, June 17.
Phosphoric acid, Production of. C. M. Tidwell. 2,600,813, June 17.
Photoelectric discharge device. W. H. Kliever and N. T. Stone. 2,601,208, June 17.
Photographic color correction process. D. C. Gresham. 2,600,756, June 17.
Photographic product comprising a light-sensitive diazonium compound, a coupler and a rupturable containing means holding ammonia under pressure. E. H. Land. 2,600,996, June 17.
Photometric apparatus. J. E. Tyler. 2,601,182, June 17.
Piano construction. H. G. Nickel. 2,600,910, June 17.
Picking and pruning attachment to be mounted on trucks. I. D. Cardiff. 2,601,092, June 17.
Pin opening device. L. G. Hobart. 2,600,769, June 17.
Pinch valve. V. W. Farris. 2,600,493, June 17.
Piston construction for internal-combustion engines. D. H. Smith. 2,600,440, June 17.
Piston ring. F. Ernest. 2,600,745, June 17.
Plastic milk carton holder. C. A. Olson. 2,600,911, June 17.
Plasticization of perhalocarbon polymers. H. J. Passino. 2,600,802, June 17.
Plate cooler. J. H. Schmidt. 2,600,696, June 17.
Pliers, Adjustable. H. A. Mead. 2,600,512, June 17.
Pliers, Longnose. C. A. Sundstrand. 2,600,445, June 17.
Plotting apparatus for photogranimetric surveys. H. Wild. 2,600,948, June 17.
Plug: *See*—
Wash plug.
Plunger guide for marble shooters. F. H. King. 2,600,883, June 17.
Pneumatic arch support. F. Bartis. 2,600,957, June 17.
Pneumatic separator. K. J. Brandau and R. L. Funk. 2,600,965, June 17.
Polyesters of hydroxybenzoic acids. J. R. Caldwell. 2,600,376, June 17.
Polymerizing trifluorochloroethylene. J. M. Wrightson. 2,600,821, June 17.
Polymerizing vinyl chloride. M. L. Sans. 2,600,695, June 17.
Polymethine dyestuffs. H. D. Edwards. 2,600,380, June 17.
Poly N-vinyl sulfonamides. D. D. Reynolds and W. O. Kenyon. 2,600,806, June 17.
Polyphase alternating current dynamoelectric apparatus. C. E. Ellis. 2,600,523, June 17.
Poultry dressing method. C. H. Koonz. 2,600,781, June 17.
Pouring spout. J. G. Livingstone. 2,601,039, June 17.
Power transmission mechanism. R. E. Keller. 2,601,151, June 17.
Preconditioning hydrocarbon synthesis catalyst and removing fines therefrom. W. J. Mattox. 2,601,121, June 17.
Premature infant feeder. S. J. Demarco, Jr. 2,600,978, June 17.
Presser foot mechanism for sewing machines. T. J. O'Laughlin. 2,600,424, June 17.
Pressure cooker. C. O. Strom. 2,600,703, June 17.
Printing device for producing graphs, prints, or the like. M. B. Willis. 2,601,196, June 17.
Printing machine, Photographic. A. L. Nielsen. 2,601,051, June 17.
Processing alfalfa. H. Miller. 2,600,903, June 17.
Projection apparatus for inspecting timepiece jewels. A. Mottu. 2,600,906, June 17.
Promotion of dithionate ion formation in leaching oxidic manganese ores with sulfur dioxide solutions. W. F. Wyman. 2,600,456, June 17.
Proportioning pump. R. V. Burt. 2,600,477, June 17.
Protective device. L. R. W. Kelsay. 2,600,407, June 17.
Protective means for electricity storage battery cases. J. Masterton. 2,601,043, June 17.
Protector pad and armrest for automobile windows. D. Ortleb. 2,601,052, June 17.
Pulping lignocellulose with sodium aluminate. J. H. Fisher and B. R. Mead. 2,601,110, June 17.
Pulse modulation system. L. A. Meacham. 2,600,561, June 17.

Pump: *See*—
Constant volume variable speed driven vane pump. Gear pump. Proportioning pump.
Purification of metal carbonyls. D. T. Hurd. 2,601,022, June 17.
Purification of titanium tetrachloride. W. L. Kay and C. E. Rick. 2,600,881, June 17.
Rack: *See*—
Card rack. Cover rack. Necktie rack.
Radial head, weight-controlled hose extension device. B. Wagner. 2,601,073, June 17.
Radial louver construction. G. C. Rudd. 2,600,926, June 17.
Railway car temperature control system. T. J. Lehane. 2,600,889, June 17.
Railway center plate locking structure. J. C. Travilla, Jr. and B. E. Glenn, Jr. 2,600,704, June 17.
Reaction products from an aldehyde, an aminotriazine and a mono-N-heterocyclic compound. M. J. Scott and E. F. Jackson. 2,600,698, June 17.
Reciprocating hearth mechanism. W. R. Gilbert. 2,600,401, June 17.
Recording and accounting apparatus. J. J. Ackell and H. L. Paulding. 2,600,952, June 17.
Recording and including resonant vibratory aspects. D. R. Yarnall and J. W. Williams, 3rd. 2,600,822, June 17.
Recovery of deashed oil and naphthenic acids from residuum stocks. E. M. Honeycutt. 2,600,537, June 17.
Reducing heat transfer along shafts. V. Ivanoff. 2,601,146, June 17.
Reed support. T. Hindle. 2,600,536, June 17.
Reel: *See*—
Antibacklash reel. Measuring fish wire reel. Fishing reel.
Refining high sulfur crude oils. W. A. Slater. 2,600,931, June 17.
Refractometer with temperature compensating means. P. Rosenthal, M. L. Polanyi, and N. Gottlieb. 2,601,128, June 17.
Register for tiltable handles, Gravity-operated. D. W. Atherton. 2,600,604, June 17.
Regulator: *See*—
Fluid regulator.
Reinforcing clip. J. B. O'Connor. 2,601,125, June 17.
Relay registering system. R. H. Herrick. 2,600,648, June 17.
Removing scale from heating coils. W. T. Whatley. 2,600,820, June 17.
Resinous materials from 1,2-dimethylene cyclohexanes. J. E. Wicklatz and J. N. Short. 2,600,454, June 17.
Reversible engine control equipment. R. T. Whitney. 2,601,195, June 17.
Ring: *See*—
Piston ring.
Rockable inner jaw wrench. M. Barnett. 2,600,956, June 17.
Rocker bearing for running gears. S. C. Heth. 2,600,768, June 17.
Rocket powder. J. J. O'Neill, Jr. 2,600,678, June 17.
Rod: *See*—
Fountain curling rod.
Rope thimble and clamp, Combined. E. L. Morris. 2,600,417, June 17.
Rotisserie. O. J. Guffey. 2,600,760, June 17.
Safety coupling. O. E. Wolff. 2,601,012–13, June 17.
Safety primary control for burners. J. J. Rothwell and P. Schell. 2,600,692, June 17.
Saline composition. L. Freedman. 2,601,112, June 17.
Salt shaker comprising a central container slidable in outer casing to uncover openings. W. Schwartz. 2,601,061, June 17.
Salts of d-Tubocurarine, Producing. N. D. Jenesel, W. R. Coleman, and H. M. Crooks, Jr. 2,600,539, June 17.
Sanitary napkin. C. I. Rickard and K. J. Harwood. 2,600,576, June 17.
Saw sharpener, Portable electric. M. Collis. 2,600,850, June 17.
Saw, Stone. L. Patella. 2,600,570, June 17.
Saw, with adjustable arbor-receiving openings, Circular. I. R. Adams. 2,600,459, June 17.
Scanning means. B. K. Sionneger. 2,600,583, June 17.
Scarf. W. Tomarkin. 2,600,814, June 17.
Screw spike, Tell-tale. H. L. Rushing. 2,600,517, June 17.
Sealing device. L. G. Saywell. 2,600,434, June 17.
Seat: *See*—
Barber's auxiliary seat. Hydraulically operated Chair seat. valve seat.
Seat cushion, Portable. V. A. Atkins. 2,600,721, June 17.
Seawater desalting composition. W. Wood. 2,600,719, June 17.
Second anode focusing electrode. R. H. Hughes. 2,601,143, June 17.
Sectional housing construction and support means therefor. E. D. Rapisarda. 2,601,056, June 17.
Seed treating machine. M. W. Guyer. 2,600,641, June 17.
Selective communication system. C. H. Hoeppner. 2,600,405, June 17.
Self-cleaning valve. J. W. Boyd. 2,600,836, June 17.
Self-leveling supporting device. N. S. Ruth. 2,600,518, June 17.
Self-supporting films from polyvinyl halide latex. H. F. Park and M. J. Scott. 2,600,681, June 17.
Separating shells and meat of shellfish. D. J. Gerritsen. 2,600,867, June 17.
Separator: *See*—
Pneumatic separator. Television sync separator.
Servomotor, Follow-up pressure fluid. C. Johnson. 2,600,777, June 17.
Sewing-machine attachment. R. W. Winberg. 2,600,597, June 17.
Sewing machine, Zigzag. A. B. E. Karlsson. 2,600,543, June 17.
Shaft seal. A. E. Karlberg. 2,600,879, June 17.
Shampoo device. T. S. Cancell. 2,600,392, June 17.
Shape-cutting machine or the like. A. A. Bernard. 2,600,728, June 17.
Shaver structure. R. Knopp. 2,600,658, June 17.
Shears, Power-operated disinfecting pruning. C. J. Johnson. 2,600,540, June 17.
Sheet feeding device. R. J. Van Schie. 2,601,072, June 17.
Sheet rolling machine. L. W. Evans. 2,600,628, June 17.
Shift register circuit. W. H. Burkhart. 2,601,089, June 17.
Shock absorbing and silencing mounting arrangement for air cleaners. F. Sebok. 2,601,172, June 17.
Shoe fitting device. P. F. Weber. 2,601,131, June 17.
Shoe, Safety. E. F. McLaughlin. 2,601,162, June 17.
Shoe sole composition. C. F. Backus. 2,600,461, June 17.
Shoes using polymerizable plastic layers, Making. T. Spencer and A. E. Salmon. 2,601,007, June 17.
Shuffleboard weight. C. Decepoli. 2,600,856, June 17.
Sign: *See*—
Grid-type display sign.
Signal responsive aparatus. J. P. Eckert, Jr., and J. W. Mauchly. 2,600,744, June 17.
Silica-extended tin oxide and preparing same. H. W. Richter. 2,600,689, June 17.
Single facer drive. E. L. Mumma. 2,600,907, June 17.
Sink molding. T. R. Wycoff. 2,600,599, June 17.
Ski binding. G. Reuge. 2,600,688, June 17.
Slicer, Cake. O. J. Haugland. 2,600,646, June 17.
Slidable side jaw wrench. H. T. Rutherford. 2,600,693, June 17.
Slide cap. G. Crescenzi. 2,600,853, June 17.
Sliding contact system for conducting welding currents. D. Sciaky. 2,600,582, June 17.
Slingshot with automatic sight. W. O. Fernsel. 2,600,524, June 17.
Slush pump piston and rod assembly. W. E. Pielop, Jr. 2,600,516, June 17.
Snap action device. H. Millard. 2,600,564, June 17.
Snap switch. L. J. Kmiecik. 2,601,152, June 17.
Snow melting furnace. S. J. Gornick. 2,601,116, June 17.
Solution for reducing light reflection. H. R. Moulton. 2,601,124, June 17.
Speed governor. R. J. Hartz. 2,600,763, June 17.
Speed reducing mechanism. G. L. Olson. 2,600,912, June 17.
Split retaining ring arrangement for piston packing. A. Brunner. 2,601,085, June 17.
Spool holder. L. J. Lesenyie. 2,600,784, June 17.
Spray attachment, Hygienic. C. Conterno. 2,600,619, June 17.
Sprayer, Livestock. W. H. Abildgaard. 2,600,602, June 17.
Spraying valve structure. W. B. Kochner. 2,600,661, June 17.
Spreader disk mounting for colter blades. G. W. Hollandsworth. 2,601,019, June 17.
Spring mounting means for saddle seats. C. A. and H. M. Persons and The Mechanics National Bank of Worcester. 2,600,915, June 17.
Sprinkler. A. J. Lyons. 2,600,554, June 17.
Sprouting apparatus device. D. E. Wilson. 2,600,718, June 17.
Stamp dispensing machine. R. M. Singer. 2,601,062, June 17.
Stand: *See*—
Iron stand. Wheel test stand.
Oil can drain stand.
Starter generator. R. J. Hartz. 2,600,762, June 17.
Static frequency changer. W. T. McMahon. 2,600,560, June 17.
Steam electric creasing iron. J. H. Rotheraine. 2,601,059, June 17.
Stemmed cherry mold. H. Domnitz. 2,600,522, June 17.
Stencil duplicator, Hand. P. H., W. D., and J. H. Mason. 2,600,413, June 17.
Stepping switch. E. F. Thierfelder. 2,600,938, June 17.
Stocking and affixing an adhesive transfer thereto. M. J. Gordon. 2,601,115, June 17.
Stop-motion for full fashioned knitting machine. B. H. Lane. 2,601,155, June 17.
Storm window and awning, Convertible. G. M. Young. 2,601,078, June 17.
Strainer, Milk. L. F. Zernicke. 2,601,079, June 17.
Strawberry capping machine. F. L. Rahal. 2,601,055, June 17.
Stud extractor. T. W. and F. F. Royer. 2,600,924, June 17.
Substituted cyclohexanes, Preparing. J. E. Wicklatz and J. N. Short. 2,601,075, June 17.

Sulfonated copper phthalocyanine dye, Preparation of. J. J. Chechak and C. F. H. Allen. 2,600,377, June 17.
Sulfur colors of the dioxasine series and preparing the same. G. B. Robbins. 2,600,690, June 17.
Superheater control. L. J. Marshall. 2,600,895, June 17.
Support: *See*—
Foot support. Pneumatic arch support.
Golf bag support. Reed support.
Support for oven burner assemblies. K. S. Jenson and W. N. Nelson. 2,600,656, June 17.
Supported group VIII-carbon dehydrogenation catalyst. T. F. Doumani and R. F. Deering. 2,600,379, June 17.
Suspending boats from trailers. C. H. Holsclaw. 2,600,406, June 17.
Swing, Folding chair. K. A. Nelson. 2,600,675, June 17.
Swinging gate valve mechanism. W. Harrower. 2,600,499, June 17.
Switch: *See*—
Control switch. Load-carrying safety switch.
Dual action ball switch.
Electric switch. Snap switch.
High-voltage switch. Stepping switch.
Synthetic polymers from hydroxy amino acids. R. Aelion. 2,600,953, June 17.
Synthetic reverberation system. J. L. Hathaway and J. G. Petit. 2,600,870, June 17.
Table with folding seat hanger. W. C. Smullen. 2,601,177, June 17.
Tampon applicator grip forming apparatus. H. A. Collins and H. M. Ruth. 2,600,971, June 17.
Taper control indicator. G. N. Levesque. 2,600,550, June 17.
Telecentric objective of the reversed telephoto type. M. Reiss. 2,600,805, June 17.
Television sync separator. K. R. Wendt. 2,601,191, June 17.
Temperature controlled fluid supply apparatus. H. E. Buecken. 2,600,842, June 17.
Tensioning device for film reel shafts. C. R. Yirava. 2,600,601, June 17.
Tent for automobile tops, Folding. J. Otvos. 2,600,799, June 17.
Tertiary alkyl trithiocarbonates, Making. W. W. Crouch, T. F. Crosnoe and R. T. Werkman. 2,600,737, June 17.
Test clamp for test specimen. R. W. Rogers and S. Reback. 2,600,923, June 17.
Testing machine marking means. D. C. Scott and F. A. Valentine. 2,601,130, June 17.
Testing pedestal for radar antenna. E. E. Mellstrup and R. M. Sigmon, Jr. 2,600,513, June 17.
Tetraethyl pyrophosphate, Preparation of. J. B. Dickey and H. W. Coover, Jr. 2,600,378, June 17.
Textile decorating emulsion. O. Linkletter. 2,600,890, June 17.
Thienyl mercaptals and mercaptols. J. W. Brooks. 2,600,838, June 17.
Threading die. C. H. Ingwer. 2,600,776, June 17.
Three-stage propane fractionation of reduced crude oil. B. C. Benedict. 2,600,389, June 17.
Thrust bearing. E. A. F. Presser. 2,600,687, June 17.
Tie case. B. S. W. Jones. 2,600,657, June 17.
Tie strap anchor. W. F. Dietrichson. 2,601,103, June 17.
Tile arch structure. P. W. Antill. 2,600,460, June 17.
Timing device. V. Trad. 2,601,010, June 17.
Tire gauge. F. O. Church. 2,600,847, June 17.
Tone arm. M. M. Palo and F. W. Schmid. 2,600,914, June 17.
Tool: *See*—
Adjustable strip cutting tool. Pantograph machine tool. Wire beading tool.
Cartridge loading tool.
Fluid pressure operated portable compressing tool.
Tool and utensil, Kitchen. W. L. Buedingen. 2,601,087, June 17.
Tool for applying footwear identification. J. C. Lindquist. 2,600,551, June 17.
Tool for removing dents in sheet metal, Pivoted hand. L. M. Back. 2,600,723, June 17.
Tool setting device on lathes and other machine tools. C. G. Arengo. 2,600,829, June 17.
Torque wrench. W. H. Mayer. 2,601,044, June 17.
Torsional equalizer suspension device. R. C. Bateman. 2,600,462, June 17.
Totalized current release device for circuit breakers. W. A. Coburn. 2,600,734, June 17.
Toy, Animated mechanical. E. Fields. 2,600,984, June 17.
Toy bead loom. F. Wehrli. 2,601,222, June 17.
Toy house. A. G. McNeill. 2,600,900, June 17.
Toy, Wheeled. L. D. Rodabaugh. 2,601,006, June 17.
Track and hanger unit for doors. G. S. Minium. 2,600,670, June 17.
Trailer vehicle with landing gear and tail gate elevator. W. G. Retzlaff. 2,601,170, June 17.
Trampoline. B. J. Purviance and D. A. Smith. 2,600,572, June 17.
Transducer and device employing the same. L. D. Statham and G. E. White. 2,600,701, June 17.
Transformer. L. W. Marks. 2,601,042, June 17.
Transmission line network. L. J. Wolf. 2,600,949, June 17.
Transportation container. L. F. Urbain. 2,601,184, June 17.
Transporting and/or storing of goods and the like. J. M. and G. K. Harkness. 2,600,869, June 17.
Traveling wave tube. A. Lerbs. 2,600,509, June 17.
Treating shrimp. K. C. Envoldsen. 2,600,627, June 17.
Treatment of molten metal. L. F. Reinartz and C. R. Fon Dersmith. 2,600,575, June 17.
Treatment of well-drilling fluids. R. W. Hoeppel. 2,600,404, June 17.
Trifluorochloroethylene-vinyl acetate copolymers. F. G. Pearson. 2,600,683, June 17.
Trimming machine. H. C. Paulsen. 2,600,427, June 17.
Truck dolly and jack. P. T. Abramson. 2,600,720, June 17.
Truck of the type provided with a steering handle connected to a swiveled traction wheel, Power propelled. I. F. Schreck. 2,601,171, June 17.
Tube: *See*—
Traveling wave tube. Yarn carrier tube.
Tube holder with tube-winding spool, Collapsible. W. T. Lord. 2,600,553, June 17.
Tube slotting machine. C. L. McAuliffe. 2,600,669, June 17.
Tunable narrow band optical filter. B. H. Billings. 2,600,962, June 17.
Tungsten alloy. J. Kurtz. 2,600,995, June 17.
Tungsten carbide, Preparation of. D. T. Hurd. 2,601,023, June 17.
2:6-dihalogenodiphenylethers and preparing same. E. T. Borrows and J. C. Clayton. 2,600,835, June 17.
Unit heater. B. Spieth. 2,600,933, June 17.
Unitary condenser lens assembly mounting means for projectors. D. I. Critoph. 2,600,975, June 17.
Universal phonograph tone arm. M. Palo and A. L. Dvorsky. 2,601,126, June 17.
Unscrambler and spacer. M. H. Behrens. 2,600,726, June 17.
Up-ender. W. C. Roe. 2,600,577, June 17.
Upflow pressure diatomite filtering apparatus. H. A. Ackley and R. N. Perkins. 2,600,458, June 17.
Urea aldehyde resin and producing the same. F. Köhler. 2,600,780, June 17.
Urinal device. W. J. Butcher. 2,600,478, June 17.
Utensil washing machine. G. W. Johnson. 2,600,541, June 17.
Utilization of blast furnace slag in rotary cement furnaces. H. W. Mooser. 2,600,515, June 17.
Vacuum breaker. F. Carlton and L. L. Snyder. 2,600,731, June 17.
Vacuum system leak detector. S. M. MacNeille. 2,600,891, June 17.
Valve: *See*—
Automatic air valve. Manually and automatically operated valve.
Automatic water valve.
Control valve. Mixing and flow controlling valve.
Fluid control valve.
Fluid pressure control valve. Pinch valve. Self-cleaning valve.
Inflation valve.
Valve, W. P. Dalrymple. 2,600,976, June 17.
Valve for hydraulic systems, Silent relief. E. J. Hrdlicka, Jr. 2,600,875, June 17.
Valve system, Emergency. J. H. De Frees. 2,600,977, June 17.
Variable capacity vane-type rotary pump including automatic means for maintaining uniform delivery. H. C. French. 2,600,632, June 17.
Variable number indicator. D. Mariani, J. A. Patasce, and G. Roebuck. 2,600,790, June 17.
Variable ratio transmission. J. G. A. M. J. Meyer. 2,600,562, June 17.
Variable speed transmission. S. C. Watson. 2,600,592, June 17.
Vat dyes of the anthraquinone oxazole and anthraquinone thiazole series which contain the anobiphenyl nucleus. J. Deinet. 2,601,100, June 17.
Vat dyes of the anthraquinone-oxdiazole series. F. B. Stilmar. 2,601,179, June 17.
Vehicle: *See*—
Manually propelled vehicle.
Vented mold for the manufacture of footwear. J. Vanacker. 2,600,942, June 17.
Vinyl ester copolymers. L. N. Bauer, H. T. Neher, and W. L. Van Horne. 2,600,384, June 17.
Vinyl ester copolymers. L. N. Bauer, W. L. Van Horne, and H. T. Neher. 2,600,385, June 17.
Vinyl stearate allyl laurate copolymer. L. N. Bauer, W. L. Van Horne, and H. T. Neher. 2,600,382, June 17.
Voltage regulating system. O. D. Grandstaff. 2,600,639, June 17.
Vulcanization of acrylic resins. W. C. Mast, C. E. Rehberg, and C. H. Fisher. 2,600,414, June 17.
Wallet. H. R. Hutchinson. 2,601,145, June 17.
Wash plug. R. J. Gollong. 2,600,638, June 17.
Water-soluble derivatives of unsulfonated lignin. W. J. Balon. 2,600,606, June 17.
Water-soluble surface active agents from olefin polymers. L. A. Mikeska. 2,600,415, June 17.
Water tube steam generator of the field tube type. W. Y. Lewis. 2,600,999, June 17.
Wave guide attenuator. A. E. Bowen. 2,600,466, June 17.

Wearing apparel, Article of. B. Liebowitz. 2,601,036, June 17.
Web roll accelerating apparatus. P. L. Tollison. 2,601,071, June 17.
Welder, Portable. W. Hagelgantz. 2,600,643, June 17.
Welding system with postheat control, Three-phase. J. L. Solomon. 2,600,585, June 17.
Wheel alignment apparatus. K. Volis. 2,601,187, June 17.
Wheel changing device. J. V. Drum. 2,600,740, June 17.
Wheel cover. G. A. Lyon. 2,600,410–11, June 17.
Wheel cover. G. A. Lyon. 2,601,209, June 17.
Wheel cover structure. G. A. Lyon. 2,600,412, June 17.
Wheel-handling device. J. V. Drum. 2,600,741–2, June 17.
Wheel slide indicating apparatus. C. M. Hines. 2,601,140, June 17.
Wheel test stand. W. G. Lyman. 2,601,120, June 17.
Window, Double-run. S. P. Lockwood. 2,600,786, June 17.
Windshield cleaner drive. J. V. S. Dahlgren. 2,600,622, June 17.
Wind tunnel window structure. J. O. Jackson. 2,601,148, June 17.
Wing slat operating mechanism. C. G. Gordon. 2,600,527, June 17.
Wire clamp and cutter for spooling machines. C. O. Bruestle. 2,600,841, June 17.
Wire heading tool. W. A. Vinson. 2,601,186, June 17.
Wire-hose-clamp applying device. G. E. Conklin. 2,600,394, June 17.
Wire line stripper. L. B. Collins and C. A. Langstaff. 2,600,848, June 17.
Work clamp. H. D. Snell. 2,600,584, June 17.
Wrapping machine for articles of varying sizes. R. J. Beutel. 2,600,833, June 17.
Wrench: *See*—
Adjustable crowfoot wrench.
Impact wrench.
Nonslip wrench.
Rockable inner jaw wrench.
Slidable side jaw wrench.
Torque wrench.
Wrench having third jaw, Plier-type toggle. S. L. Williamson. 2,600,594, June 17.
Wringer pressure applying mechanism. E. E. Foster. 2,600,398, June 17.
Yarn carrier tube. K. P. Spindler. 2,600,935, June 17.
Zinc-copper-tin alloy plating. R. E. Shockley. 2,600,699, June 17.

CLASSIFICATION OF PATENTS

ISSUED JUNE 17, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

1— 4: 2,600,551
2— 5: 2,601,149
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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D26—13:	Des. 167,047	19:	Des. 167,037		Des. 167,054		Des. 167,022
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D52— 1:	Des. 167,043	D81—10:	Des. 167,059
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Condition of Applications Under Examination at Close of Business May 29, 1952

Total number of patent applications awaiting action, 97,283. Date of oldest new application, August 20, 1951; date of oldest amended application, August 20, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	9-21-51	9-20-51	1998
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	11-8-51	11-1-51	1088
3. WINDHEIM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	10-31-51	10-31-51	1549
4. FALLER, E. A., Hoists; Power Driven Conveyors; Handling Apparatus	9-4-51	9-4-51	1519
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	10-4-51	10-5-51	1211
6. SURLE, H., Carbon Chemistry (part)	10-6-51	9-26-51	1819
7. ANDERSON, E. G. (Acting), Optics; Photography (part)	10-11-51	10-12-51	1192
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	9-12-51	9-12-51	1512
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	9-14-51	9-13-51	1341
10. NEFF, P. R. (Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	9-11-51	9-12-51	1354
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	9-10-51	9-25-51	892
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-21-51	9-1-51	1224
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	9-21-51	9-17-51	1049
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	9-7-51	9-4-51	1590
15. STEPHENSON, W. J. (Acting), Plastics; Plastic Block and Earthenware Apparatus; Glass	11-19-51	11-21-51	1139
16. LOVEWELL, N. N., Television, Telephony	9-15-51	9-14-51	1260
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	8-20-51	9-1-51	1750
18. KURZ, J. A., Power Plants; Speed Responsive Devices	8-28-51	8-28-51	1117
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-12-51	9-19-51	1107
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	9-18-51	9-17-51	1343
21. MADER, R. C., Textiles	9-5-51	9-1-51	1312
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	9-4-51	9-6-51	1051
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	9-29-51	9-17-51	794
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	10-1-51	10-1-51	1390
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	8-29-51	8-31-51	1166
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	9-5-51	9-4-51	1256
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	9-6-51	9-5-51	1537
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	9-8-51	8-30-51	1199
29. HABECKER, L. B., Button Making; Woodworking; Tools	9-20-51	9-14-51	1016
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	10-10-51	10-10-51	1438
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	9-15-51	9-20-51	2019
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-14-51	9-19-51	1102
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	9-4-51	9-7-51	1879
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	9-5-51	9-4-51	1307
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	9-10-51	9-7-51	1354
36. McFADYEN, A. D., Measuring and Testing	9-7-51	9-6-51	1168
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	10-1-51	10-1-51	1308
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	9-4-51	9-1-51	1474
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	8-24-51	8-24-51	2579
40. DRUMMOND, E. J., Receptacles (part); Packages	10-1-51	10-4-51	1336
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	9-8-51	9-10-51	1056
42. MARANS, H., Electric Signaling (part, Except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection); Signals; Telegraph (part); Signals and Indicators.	9-26-51	9-20-51	1054

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 97,283. Date of oldest new application, August 20, 1951; date of oldest amended application, August 20, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	10-9-51	9-25-51	1225
44. HARVEY, L. P., Beds; Chairs, Seats	9-7-51	9-5-51	1304
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	9-17-51	9-27-51	1255
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	9-14-51	9-17-51	890
47. KANOF, W. J., Mining, Quarrying and Ice Harvesting; Motor Vehicles; Land Vehicles (part)	9-13-51	9-11-51	1537
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	9-5-51	9-6-51	1589
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring	9-6-51	8-31-51	1321
50. BENGEL, W. G., Synthetic Resins	11-6-51	11-7-51	1500
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	9-15-51	9-17-51	1312
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	9-27-51	9-25-51	2009
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	10-2-51	9-17-51	972
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	9-5-51	9-8-51	1577
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	9-13-51	9-18-51	1067
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	9-27-51	9-26-51	1828
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	9-21-51	9-8-51	1647
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	9-6-51	8-27-51	769
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	10-6-51	10-1-51	1068
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9-28-51	9-18-51	983
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	9-7-51	8-31-51	1235
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	10-25-51	10-15-51	1301
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	9-5-51	9-13-51	1519
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	10-2-51	10-4-51	1878
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	9-12-51	9-4-51	1458
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	9-5-51	9-1-51	991
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	9-25-51	9-22-51	1229
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	10-1-51	9-21-51	1520
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	9-7-51	9-7-51	1265
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	8-20-51	8-20-51	2928
DESIGNS: A. BREHM, G. L., Industrial Arts	2-26-52	3-6-52	510
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	2-7-52	2-4-52	747

Total number of trade-mark applications awaiting action (including renewals and republications), 13,899. Date of oldest new application, Nov. 30, 1951; date of oldest amended application, Nov. 30, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS, AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	11-30-51	11-30-51	3493
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	12-10-51	12-8-51	3335
Renewals (All Classes)	3-29-52	4-26-52	680
Republications (All Classes)	3-21-52	4-26-52	207
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	12-11-51	12-5-51	3166
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	12-6-51	12-3-51	3009

DECISIONS IN PATENT AND TRADE-MARK CASES

United States Court of Appeals District of Columbia Circuit

JOHN A. MARZALL, COMMISSIONER OF PATENTS
v.
MARGARET J. COOK

No. 11001. Decided April 24, 1952
[— F.2d —; 93 USPQ 149]

1. TRADE-MARKS—CONFUSION OF THE PUBLIC—"JOCO'S" AND "JACCO."

Held that there was no reversible error in the decision of the District Court, holding that the appellee's mark, which included the word "JOCO'S," and a pictorial design, was not confusingly similar to the word JACCO, and granting registration of a trade-mark to appellee after denial by the Patent Office.

APPEAL from the United States District Court for the District of Columbia.

AFFIRMED.

E. L. Reynolds (*H. S. Miller* of counsel) for appellant.

A. Yates Dowell (*Vincent M. Creedon* of counsel) for appellee.

Before PRETTYMAN, FAHY, and WASHINGTON, *Circuit Judges*

PER CURIAM:

This is a case in which the District Court, in a suit under R. S. 4915, 35 U. S. C. § 63, granted registration of a trade-mark to plaintiff-appellee, after denial by the Patent Office. We find no reversible error.

AFFIRMED.

FAHY, *Circuit Judge*, dissenting, thinks the registration was properly denied by the Patent Office. His view is that while the marks in general appearance are dissimilar, the use by the plaintiff below of "JOCO'S" as a part of its mark brings it so similar in sound to "JACCO," part of a mark in prior use, as to be likely to cause confusion or mistake among purchasers within the meaning of 60 Stat. 428 (1946), 15 U. S. C. § 1052(d) (1946).

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,821,032, J. Robinson, Wave-signalling system; 1,821,033, same, Radio receiving apparatus; 1,898,895, same, Electrical apparatus employing piezo-electric devices; 1,908,558, same, Wireless receiver, D. C., N. D. Ill. (Chicago), Doc. 51c1262, *F. A. Dean* v. *Hallicrafters Co.* Cause dismissed on motion of plaintiff Oct. 8, 1951.

1,821,033. (See 1,821,032.) 1,898,895. (See 1,821,032.)

1,908,558. (See 1,821,032.) 2,040,072. (See 2,040,073.)

2,040,073, 2,366,432, M. E. Brendel, Weighing apparatus; 2,040,072, same, Weight indicating mechanism; 2,131,683, 2,131,684, 2,188,261, Basquin & Haegele, Weighing apparatus; 2,083,783, O. P. Haegele, same; 2,103,618, same, Coupled weight, filed Oct. 9, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1586, *Streeter-Amet Co.* v. *Howe Scale Co.*

2,083,783. (See 2,040,073.) 2,103,618. (See 2,040,073.)

2,131,683. (See 2,040,073.) 2,131,684. (See 2,040,073.)

2,143,311, E. Geertz, Method of fire extinguishing; 2,202,343, 2,274,783, same, Fire extinguishing apparatus, filed June 26, 1951, D. C., N. D. Ill (Chicago), Doc. 51c1007, *Cardox Corp.* v. *C-O-Two Equipment Co.*

2,172,771, 2,172,944, R. F. Norris, Ventilating system; 2,172,851, B. S. Reynolds, Ventilating construction; 2,291,220, J. A. Germonprez, Ventilating system; 2,304,628, W. A. Damerel, Ventilating air distributing apparatus, D. C., N. D. Ill. (Chicago), Doc. 49c350, *Equipment Research Corp.* v. *Burgess-Manning Co. et al.* Judgment by consent, complaint dismissed as to all patents Feb. 1, 1952.

2,172,771. (See 2,291,220.) 2,172,851. (See 2,172,771.)

2,172,944. (See 2,172,771 and 2,291,220.)

2,188,261. (See 2,040,073.) 2,202,343. (See 2,143,311.)

2,208,374. (See Re. 22,055.)

2,211,613, 2,211,614, R. M. Bowie, Cathode ray tubes, filed June 14, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c918, *Sylvania Electric Products, Inc.* v. *National Video Corp.*

2,211,614. (See 2,211,613.)

2,227,815. (See Re. 22,055.)

2,274,783. (See 2,143,311.) 2,291,220. (See 2,172,771.)

2,291,220, J. A. Germonprez, Ventilating system; 2,172,771, 2,172,944, R. F. Norris, Ventilating construction, D. C., N. D. Ill. (Chicago), Doc. 51c1389, *Burgess-Manning Co. et al.* v. *Equipment Research Corp. et al.* Patents held valid, defendants enjoined from infringing claim 1 of 2,172,771 and claims 1 and 2 of 2,172,944, and claims 10, 11, and 12 of 2,291,220 Feb. 1, 1952.

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2,304,628. (See 2,172,771.)

2,357,806, G. W. Borkland, Method of making cupped formations of thermo plastic sheet material; Re. 23,171, same, Apparatus for and method of forming sheet material, filed Apr. 27, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c691, *G. W. Borkland* v. *Paramount Plastics Co.*

2,366,432. (See 2,040,073.) 2,545,431. (See 2,552,388.)

2,552,388, C. H. Allen, Jr., Method of killing weeds; 2,545,431, P. A. Sartoretto, Method of killing weeds and the materials used therein, filed Aug. 24, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1359, *W. A. Cleary Corp. et al.* v. *Marshall Field & Co. et al.*

2,564,224, Mitchell & Fosnot, Impact tool; 2,585,486, W. G. Mitchell, Impact type clutch, filed Apr. 29, 1952, D. C., N. D. Ill. (Chicago), Doc. 52c926, *Independent Pneumatic Tool Co.* v. *Mall Tool Co.*

2,578,091, A. S. Reed, Leather soled sock with rearwardly extending toe cap; Des. 163,633, same, Leather soled sock, filed Dec. 21, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c2097, *Ripon Knitting Works* v. *Melville Shoe Corp.*

2,585,486. (See 2,564,224.)

Re. 22,055 (2,227,815), P. M. Toulon, Synchronization system for television; 2,208,374, H. M. Lewis, Television receiving system, filed Oct. 17, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1610, *Hazeltine Research, Inc.* v. *Avco Mfg. Corp. et al.*

Re. 23,171. (See 2,357,806.)

Des. 154,095, Des. 154,096, M. Boucher, Brooch, D. C., S. D. N. Y., Doc. 53/337, *Marcel Boucher et al.* v. *Marcel Head Co., Inc.* Consent judgment, patent held valid, action discontinued Apr. 29, 1952.

Des. 154,096. (See Des. 154,095.)

Des. 163,633. (See 2,578,091.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 268,365, Fremont Canning Co., Strained vegetable soup, peas, carrots, etc.; T. M. 277,101, same, Canned food products; T. M. 310,224, same, Canned strained vegetable products; T. M. 369,865, same, Canned fruits and vegetables; T. M. 405,310, Gerber Products Co., Canned and packaged food for infants, filed July 9, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1087, *Gerber Products Co.* v. *R. Gerber & Co.*

T. M. 273,106. (See T. M. 300,504.)

T. M. 277,101. (See T. M. 268,365.)

T. M. 300,504, Donald F. Duncan, Inc., Bandalore toy spinning tops; T. M. 273,106, Flores Yo-Yo Corp., Toys of the bandalore type, filed Apr. 13, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c615, *Royal Tops Mfg. Co.* v. *Donald F. Duncan, Inc.*

T. M. 310,224. (See T. M. 268,365.)

T. M. 369,865. (See T. M. 268,365.)

T. M. 405,310. (See T. M. 268,365.)

T. M. 406,084, A. L. Smith Iron Co., Fluorescent lighting fixtures, wall lamps and floor lamps, filed Apr. 25, 1952, D. C., S. D. N. Y., Doc. 75/126, *A. L. Smith Iron Co.* v. *Smithcraft Mfg. Co.*

NOTICES

Rearrangement of Patents in The Official Gazette

The Commissioner of Patents, with the issue of July 1, 1952, will institute a rearrangement of the sequence of presentation of patents in the OFFICIAL GAZETTE. On that date and thereafter patents will appear in the OFFICIAL GAZETTE under three main headings, viz., General and Mechanical, Chemical, and Electrical. Within each main category patents will appear in numerical sequence by class and subclass. The patent number will be determined by the sequence within category by class and subclass of the particular patents in the issue of date.

The purpose of the proposed presentation is solely to enable and facilitate greater utilization of the OFFICIAL GAZETTE by the public and members of the patent law profession.

Consequent to the publication of patents in the OFFICIAL GAZETTE as outlined herewith, there will be a slight extension of time required to furnish the receipt for payment of final fee, and notice of patent number assigned, of from five to eight days, depending on the incidence of non-work days in the Office immediately after the payment of final fee. On the average, the issue date of a given patent will ordinarily be the fifth Tuesday after the closing Thursday, instead of the fourth Tuesday as it has been under the random order method of presenting patents in the OFFICIAL GAZETTE practiced heretofore.

Adjudicated Patent

(D. C. Mo.) Aronson Reissue Patent No. 19,023, for a cigar lighter. Claims 12, 13, 14, and 16, *Held* valid but not infringed. *Ranson Patents Corp.* v. *Sparklets Devices, Inc.*, 103 F. Supp. 726; 93 USPQ 296.

Application Papers—Top Margin

The machine now used in the application division, to prepare papers for insertion in application file wrappers, punches holes three-eighths of an inch in diameter, about seven-eighths of an inch from the top of the page. It is therefore necessary that a margin of at least one and one-fourth inches be reserved at the top of all such papers, in order to avoid possible mutilation of the text. Failure to comply with this requirement may result in the return of unacceptable papers.

LESLIE FRAZER,
First Assistant Commissioner.

Apr. 3, 1943. First published in 549 O. G. 379.

Cancellation Notice

The Chester Vitamizer, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Natural Food Institute, Olmsted Falls, Ohio, for registration of a trade-mark and Registration No. 373,509, issued December 12, 1939, to The Chester Vitamizer, Inc., 2013 4th Avenue, Seattle, Washington, and the notice of such declaration sent by registered mail to the said The Chester Vitamizer, Inc., at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said The Chester Vitamizer, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—June 10, 1952.)

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

May 16, 1952.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,464,077. Multiple Pulley Mount. Patented Mar. 8, 1949. Pulley mount comprises an elongated hub upon which several pulleys may be mounted in spaced relation and clamped together by interposed spacer nuts threaded on the hub. The spacer nuts and the head of the hub are formed with hexagonal peripheral surfaces to seat in axial hexagonal sockets in the pulleys. One pulley is clamped between the side of the head of the hub and the first spacer nut, and the other pulleys are each clamped between the ends of adjacent spacer nuts. Set screws may be used to clamp the hub to a drive shaft and to clamp the nuts to the hub. Modifications shown. (Owner) Byron R. Dicks, Lebanon, Ind. Group 35—66. Reg. No. 47,989.

Pat. 2,114,227. Clamp. Patented Apr. 12, 1938. A clamp especially designed for aircraft structural assembly or any other work where extruded or formed sheet metal parts are used for light but rigid construction. The clamp consists of a pair of cast steel arms having threaded sleeve-like ends, and three threaded steel bars releasably locked to the arms for speedy adjustment over a wide and varied range of work. Two of the bars adjustably threaded through the front ends of the arms carry swiveled socket members on their inner opposed ends. Fibrous clamping feet are removably threaded into the socket members to make direct contact with the work being clamped together and to prevent marring or scratching of plated or polished surfaces of the work. (Owner) Joseph Kriss, 78 Radnor Road, Norfolk 3, Va. Groups 35—69; 37—22. Reg. No. 47,990.

Pat. 2,473,932. Package for Dispensing Interfolded Sheets. Patented June 21, 1949. Package containing a day's supply of cleansing tissues may be conveniently carried in a woman's purse or man's pocket, and tissues withdrawn one by one with little likelihood of more than one being withdrawn at a time, even when the package is nearly empty. The package, openable at its front end, contains a plurality of sheets of tissues, each being folded upon itself with one of its ends folded back to form a narrow flap that overlies the unfolded end of an adjacent sheet. As a sheet is withdrawn from package, the flap of the next sheet is drawn outwardly to an exposed position at front end of package. The tissues may be divided into two (or more) groups by a retaining band. Modification shown. (Owner) Gaylord E. Wolf, 8046 Jenkins Arcade, Pittsburgh, Pa. Groups 26—99; 40. Reg. No. 47,991.

Pat. 2,580,961. Shelf Toothbrush Holder. Patented Jan. 1, 1952. A rack with supporting hooks to hold one or more toothbrushes. Rack has a body member with a web, and projecting from the web are top and bottom walls forming a clamp for detachably connecting the rack to a shelf. Bottom wall has a series of spaced slots and cut-outs. A series of hook members with circular disc and cross bar at upper end are removably seated in the slots and cut-outs. Lower ends of hook members are curved to receive the aperture in handle of toothbrush. May be made of metal, plastic, or the like. Modifications given. (Owner) Francis A. Schmedinghoff, 1200 Larkin St., San Francisco 9, Calif. Groups 33—73; 39—81; 40. Reg. No. 47,992.

Pat. 2,577,954. Nail Set. Patented Dec. 11, 1951. A tool for rapidly setting nails has an elongated shank and an integral vertical bit portion. Shank is inclined at an acute angle away from the bit. Upper surface of shank has an integral beveled anvil boss in alignment with the bit. Outer end of shank has a flat base for supporting the nail set, and an elongated handle. The bit portion has a circular lower extremity in the plane of the base for setting nails. In a modified form the bit portion has a point to provide a center punch. (Owner) Louis J. Di Pietro, 286 Piedmont St. Ext., Waterbury 62, Conn. Group 33—52. Reg. No. 47,993.

Pat. 2,569,714. Strain Gauge. Patented Oct. 2, 1951. Strain gauge for determining stresses in highly heated engine exhaust systems and other members is substantially unaffected by high temperature of the heated members. A resistance wire from which the gauge is made may be immovably secured to the member to be tested by material which also serves to electrically insulate the wire from the member. The gauge consists of a glass-sheathed grid of resistance wire with the ends of the wire joined to leads of heavier wire for connection to an electrical measuring instrument. The joints between the wire and leads may be protected against heat by ceramic sleeves. A layer of powdered glass containing cobalt oxide may be deposited on a member to be tested, the layer melted by a blow torch, and the glass-sheathed grid embedded in the molten layer. Several methods are set forth for forming the gauge and securing it to a member to be tested. (Owner) William C. Gregory, 438-B West Laurel St., Compton 3, Calif. Group 36—13. Reg. No. 47,994.

Pat. 2,268,596. Dispensing Apparatus. Patented Jan. 6, 1942. Apparatus for restaurants and the like for dispensing utensils, such as knives, forks, spoons, etc., is plunger-operated to dispense the utensils one at a time. Several embodiments of the invention are set forth. In one, a single plunger and dispensing mechanism are provided for simultaneously dispensing utensils from two stacks. The plunger controls movable supports beneath the stacks, and pairs of pivoted clamping and gripping members that are movable toward and away from stationary clamping members adjacent the stacks. When the plunger is actuated, the utensil above the lowermost utensil in each stack is clamped between the gripping members and the stationary clamping members, and the supports are swung from beneath the stacks to release the lowermost utensils. (Owner) Henry Jerum, 493 Courtlandt Ave., Bronx, N. Y. Groups 25—41; 35—51—59. Reg. No. 47,995.

Pat. 2,208,346. Motor Vehicle Speed Alarm. Patented July 16, 1940. Alarm for a motor vehicle will sound an alarm when predetermined speed is reached. The alarm is actuated by pressure of oil circulated by the oil pump of the vehicle, and is rendered operative only when the gear shift lever is shifted into high. A valve chamber has an inlet communicating with the oil pump and an outlet communicating with a chamber containing a movable diaphragm disc connected to a plunger. A slidable valve member in the chamber with a hollow valve stem normally closes the inlet port. When the gear shift lever is shifted into high, the valve is actuated to permit the flow of oil from the pump into the diaphragm chamber. When predetermined speed is reached, the oil pressure actuates the diaphragm and moves the plunger. The plunger actuates a bell clapper to sound the alarm. The spring of the plunger may be adjusted to set the alarm for different speeds. (Owner) Oscar Stankey, 1104 North 9th St., East St. Louis, Ill. Groups 36—41; 38—31. Reg. No. 47,996.

Pat. 2,215,985. Headrest Alarm. Patented Sept. 24, 1940. Headrest alarm for the driver of a motor vehicle is adapted to sound an alarm should the driver remove his head therefrom, as by nodding in falling asleep. The alarm may be suspended from the roof of a vehicle in inoperative out-of-the-way position and swung forwardly into operative position for engagement with the back of driver's head. A movably mounted headrest of the alarm carries a movable contact normally engaging a fixed contact to close the alarm circuit. The headrest is tilted slightly rearwardly when the driver places his head against it to separate the contacts and open the alarm circuit. When driver removes his head, a spring urges the headrest forwardly to circuit-closing position to sound the alarm. The alarm is adjustable for different types of cars and for different sized drivers. (Owner) Oscar Stankey, 1104 North 9th St., East St. Louis, Ill. Groups 36—41; 38—11—31. Reg. No. 47,997.

General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Services Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 35 patents relate to: Ignition systems and spark plugs; dynamo-electric machines; a plug gauge with hard metal surface inserts and a detachable plug of soft metal at outer end for easy removal from the opening being measured; a propeller for aircraft; a charging device for an automatic gun; a servoamplifier control system; turbine control devices; push-pull type electric switch; an electrostatic voltmeter; an aircraft cabin pressure control; retractable undercarriage for aircraft; a shockproof support for searchlights and the like; a pitch governor for controlling the speed of helicopters; and a sparkless apparatus for triggering a photographic flash lamp. Reg. Nos. 47,998 through 48,032.

Pat. 2,013,541. Internal Combustion Engine. Sept. 3, 1935. Groups 35—19; 36—31—41.

Pat. 2,032,932. Electrostatic Device. Mar. 3, 1936. Group 36—13.

Pat. 2,066,959. High Tension Ignition System. Jan. 5, 1937. Group 36—31.

Pat. 2,089,696. Dynamo-Electric Machine. Aug. 10, 1937. Group 36—19.

Pat. 2,100,210. Ignition System for Internal Combustion Engines. Nov. 23, 1937. Group 36—31—41.

Pat. 2,105,411. Spark Plug. Jan. 11, 1938. Group 36—41.

Pat. 2,175,900. Electrical Discharge Device and System. Oct. 10, 1939. Group 36—31—41.

Pat. 2,212,404. Ignition Apparatus for Internal Combustion Engines. Aug. 20, 1940. Group 36—31—41.

Pat. 2,221,509. Electric Ignition System. Nov. 12, 1940. Group 36—31—41.

Pat. 2,221,521. Electric Ignition System. Nov. 12, 1940. Group 36—31—41.

Pat. 2,227,972. Ignition Apparatus. Jan. 7, 1941. Group 36—31—41.

Pat. 2,247,075. Electric Ignition System. June 24, 1941. Group 36—31—41.

Pat. 2,248,574. Electric Ignition System. July 8, 1941. Group 36—31—41.

Pat. 2,266,614. Ignition System and Spark Plug. Dec. 16, 1941. Group 36—31—41.

Pat. 2,292,809. Induction Apparatus. Aug. 11, 1942. Group 36—31—41.

Pat. 2,312,101. Dynamoelectric Machine. Feb. 23, 1943. Group 36—19.

Pat. 2,317,187. Dynamoelectric Machine. Apr. 20, 1943. Group 36—19.

Pat. 2,362,808. Plug Gauge. Nov. 14, 1944. Group 36—13.

Pat. 2,376,189. Ignition System. May 15, 1945. Group 36—31—41.

Pat. 2,390,789. Method of Making Hollow Propellers. Dec. 11, 1945. Group 37—21—22.

Pat. 2,390,820. Spark Plug Unit Bushing. Dec. 11, 1945. Group 36—41.

Pat. 2,394,127. Gun Charger. Feb. 5, 1946. Group 33—12—X1—X9.

Pat. 2,401,421. Control System. June 4, 1946. Group 36—19—41.

Pat. 2,415,672. Thermostatic Control Device. Feb. 11, 1947. Group 35—11.

Pat. 2,415,673. Turbine Control Device. Feb. 11, 1947. Group 35—11.

Pat. 2,416,971. Ignition System. Mar. 4, 1947. Group 36—31—41.

Pat. 2,418,005. Electric Switch. Mar. 25, 1947. Group 36—19.

Pat. 2,427,247. Ignition System. Sept. 9, 1947. Group 36—31—41.

Pat. 2,435,819. Aircraft Cabin Pressure Control Arrangement. Feb. 10, 1948. Groups 36—19; 37—22.

Pat. 2,446,415. Retractable Undercarriage for Aircraft. Aug. 3, 1948. Group 37—22.

Pat. 2,454,040. Aircraft Propeller. Nov. 16, 1948. Group 37—22.

Pat. 2,492,734. Dynamoelectric Machine Connection. Dec. 27, 1949. Group 36—19.

Pat. 2,503,065. Searchlight Support. Apr. 4, 1950. Groups 34—81; 37—21.

Pat. 2,517,150. Governor. Aug. 1, 1950. Groups 36—41; 37—22.

Pat. 2,538,577. Sparkless Camera Shutter and Flash Tube Synchronizer. Jan. 16, 1951. Group 39—12.

The Following 6 Patents Relate To: A fluid pressure regulating device containing electromagnetic valves; a metallic bellows to withstand high pressure; a power system of the type having a generator driven by a prime mover; a control system for causing synchronous dynamo-electric machines to regain synchronism; a protective device for disconnecting an electrical distribution line from a power supply, should the line break and fall to the ground; and a unit-bearing type dynamo-electric machine having a non-uniform air gap.

Pat. 2,031,478. Fluid Control Means. Feb. 18, 1936. Groups 33—66; 36—19. Reg. No. 48,033.

Pat. 2,058,301. Bellows. Oct. 20, 1951. Group 36—19. Reg. No. 48,034.

Pat. 2,154,303. Power System. Apr. 11, 1939. Group 36—19. Reg. No. 48,035.

Pat. 2,363,833. Synchronism Control System. Nov. 28, 1944. Group 36—19. Reg. No. 48,036.

Pat. 2,572,637. Electrical Protective Device for Distribution Lines. Oct. 23, 1951. Group 36—19. Reg. No. 48,037.

Pat. 2,575,153. Tapered Rotor for Unit Bearing Motors. Nov. 13, 1951. Group 36—41. Reg. No. 48,038.

The Following 5 Patents Relate To: An electronic chopper circuit for converting direct current voltages to equivalent pulsating voltages; a device for measuring temperatures inside the rotors of rotating machinery; a two-temperature refrigerating system for a refrigerator with a separate frozen food compartment; a high speed twist drill; and a rotary valve sprayer for use as an attachment for a vacuum cleaner or the like.

Pat. 2,575,904. Electric Chopper Circuit. Nov. 20, 1951. Group 36—61. Reg. No. 48,039.

Pat. 2,575,922. Temperature Measuring Device. Nov. 20, 1951. Group 39—11. Reg. No. 48,040.

Pat. 2,576,663. Two-Temperature Refrigerating System. Nov. 27, 1951. Group 35—84. Reg. No. 48,041.

Pat. 2,576,664. Twist Drill. Nov. 27, 1951. Groups 33—51; 35—41—43. Reg. No. 48,042.

Pat. 2,576,669. Rotary Valve Sprayer. Nov. 27, 1951. Group 36—21. Reg. No. 48,043.

Non-Exclusive Licenses in the Field of Radio Purposes Will be Granted Under the Following 10 Patents on Reasonable Terms to Domestic Manufacturers. Group 36—61.

Pat. 2,570,103. Evacuating and Gas Charging Apparatus. Patented Oct. 2, 1951. Reg. No. 48,044.

Pat. 2,570,139. Cathode-Ray Image Presentation System. Patented Oct. 2, 1951. Reg. No. 48,045.

Pat. 2,570,248. Method of Metalizing and Bonding Non-Metallic Bodies. Patented Oct. 9, 1951. Reg. No. 48,046.

Pat. 2,570,875. Sweep Wave Generating Circuits. Patented Oct. 9, 1951. Reg. No. 48,047.

Pat. 2,576,696. Generation of Electromagnetic Waves by Doppler Effects. Patented Nov. 27, 1951. Reg. No. 48,048.

Pat. 2,577,118. Wave Guide Filter. Patented Dec. 4, 1951. Reg. No. 48,049.

Pat. 2,580,250. Cathode-Ray Type of Electron Discharge Device. Patented Dec. 25, 1951. Reg. No. 48,050.

Pat. 2,580,240. Plotting System. Patented Dec. 25, 1951. Reg. No. 48,051.

Pat. 2,580,254. Automatic Frequency Control System. Patented Dec. 25, 1951. Reg. No. 48,052.

Pat. 2,580,261. Frequency-Modulation Demodulator System. Patented Dec. 25, 1951. Reg. No. 48,053.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 17, 1952

[VOL. 659. NO. 3]

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.6.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 588,139. Monrovia Nursery Company, Monrovia, Calif. Filed Nov. 21, 1949.

Rosedale

For Plants, Trees, Shrubs, Vines, and Other Natural Nursery Stock.
Claims use since Oct. 1, 1938.

Ser. No. 592,401. Weston Dodson & Co., Inc., Bethlehem, Pa. Filed Feb. 13, 1950. (Sec. 2f.)

SILVER BROOK

For Coal.
Claims use since July 1935.

Ser. No. 615,743. Amherst Fuel Company, Charleston, W. Va. Filed June 27, 1951.

PARAGON

Applicant claims ownership of Registrations Nos. 285,165 and 291,868.
For Coal.
Claims use since 1935.

Ser. No. 616,860. Jim Moore Mink Ranch, Peshtigo, Wis. Filed July 24, 1951.

JIM MOORE MINK

The name "Jim Moore" is that of a member of the firm whose consent is given. The word "Mink" is disclaimed.
For Mink Pelts and Live Minks.
Claims use since Dec. 20, 1938.

Ser. No. 617,771. The Sponge Rubber Products Company, Shelton, Conn. Filed Aug. 16, 1951.

SPONGEX

Applicant claims ownership of Registrations Nos. 300,788, 321,895, and others.
For Cellular Expanded Bodies of Plastic Materials Other Than Rubber for Making Into Various Articles of Manufacture.
Claims use since Apr. 17, 1951.

Ser. No. 618,360. Mary E. McDonald, Columbus, Ohio. Filed Sept. 4, 1951.

OXY-DENE

For Mariaceous Material—Namely, Travertine in Its Raw State for Use in Aquarium Water.
Claims use since 1926.

Ser. No. 618,640. R. & A. Kohnstamm (London) Inc., New York, N. Y. Filed Sept. 11, 1951.

BASHIRA

The word "Bashira" is arbitrary and has no meaning.
For Leather.
Claims use since July 1, 1950.

Ser. No. 619,961. American Monomer Corporation, Leominster, Mass. Filed Oct. 13, 1951.

ACRYLON

For Synthetic Rubber.
Claims use since Aug. 1, 1951.

Ser. No. 620,265. Milprint, Inc., Milwaukee, Wis. Filed Oct. 20, 1951.

PERMAPRINT

For Polyethylene Film Adapted To Receive Printing.
Claims use since Sept. 18, 1951.

Ser. No. 620,464. Garden State Seed Co., Inc., Newark, N. J. Filed Oct. 25, 1951.

MOUNT Vernon

For Lawn Seed Mixtures.
Claims use since Nov. 10, 1947.

Ser. No. 620,465. Garden State Seed Co., Inc., Newark, N. J. Filed Oct. 25, 1951.

STATE PARK

For Lawn Seed Mixtures.
Claims use since Nov. 10, 1947.

Ser. No. 620,724. The Robert Dollar Co., San Francisco, Calif. Filed Oct. 31, 1951.

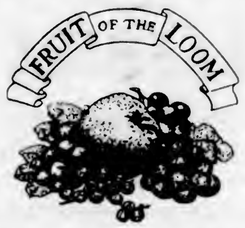


For Logs.
Claims use since January 1882.

CLASS 2

RECEPTACLES

Ser. No. 556,432. Fruit of the Loom, Inc., Providence, R. I. Filed May 7, 1948. CERTIFICATION MARK.



For Plastic Garment Bags, Blanket Bags, Shoe Bags, Shirt Bags, Sweater Bags, Bread Bags, Lettuce Bags, Food Bags.
Claims use since Aug. 13, 1947.

Ser. No. 563,605. Delaware Industrial Chemical Corporation, Beverly, N. J. Filed Aug. 17, 1948.

Dura-Ware

The word "Ware" is disclaimed.
For Domestic Dishes Made of Plastic for Table Use.
Claims use since Aug. 2, 1948.

Ser. No. 578,483. Boonton Molding Company, Boonton, N. J. Filed May 10, 1949.

Boontonware

For Molded Plastic Dinner Table Dishes.
Claims use since December 1948.

Ser. No. 586,474. Durable Plastics, Inc., Sherman, Tex. Filed Oct. 18, 1949.

PLASTI - CEL

For Compartmental Plastic Baskets for Holding and Carrying Bottles.
Claims use since Aug. 17, 1949.

Ser. No. 601,819. Convoy, Incorporated, Canton, Ohio. Filed Aug. 7, 1950.

CONVOY

For Shipping Boxes and Tote Boxes, Composed of Chemically Hardened Fiberboard.
Claims use since July 3, 1950.

Ser. No. 616,785. Transparent Package Company, Chicago, Ill. Filed July 21, 1951.

FF

For Artificial Casings Used in the Manufacture of Skinless Sausage.
Claims use since June 13, 1951.

Ser. No. 621,793. United Plastic Corporation, Fitchburg, Mass. Filed Nov. 28, 1951. (Sec. 2f.)

Steri-lite

Applicant claims ownership of Registrations Nos. 502,435 and 532,611.
For Plastic Household Articles—Namely, Cups, Saucers, Plates, Tumblers, Bowls, Facial Tissue Holders, Soap Boxes, and Toothbrush Holders.
Claims use since Sept. 15, 1945.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 594,776. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Mar. 28, 1950.

ICI

Applicant claims ownership of British Registration No. 307,750, dated Nov. 12, 1929.
For Car Polishes, Polishes for Painted and Enameled Surfaces, Polishes for Plastics, Polishing Rouge, Silicate of Carbide Abrasives, and Abrasive Powders.

Ser. No. 609,640. Eugene Fish, doing business under the trade name Perma-Chrome Company, Baltimore, Md. Filed Feb. 5, 1951.

perma-chrome

The word "Chrome" is disclaimed.
For Chrome Polish.
Claims use since July 14, 1950.

Ser. No. 611,535. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")

ROCKWELL

Applicant claims ownership of Registrations Nos. 428,477, 428,478, and others.
For Sanding Kits Containing Individual Containers of Cement and Assorted Grades of Abrasive Grit for Producing Sanding Blocks.
Claims use since Dec. 13, 1945.

Ser. No. 617,512. Roto-Finish Company, Kalamazoo, Mich. Filed Aug. 9, 1951.

ROTO FINISH

The drawing is lined for shading only. The word "Finish" is disclaimed. Applicant claims ownership of Registration No. 397,895.
For Aggregates Comprising Crushed Rock Fragments for Use in Tumbling Barrels for Polishing Purposes.
Claims use since Sept. 1, 1940.

CLASS 5

ADHESIVES

Ser. No. 602,948. Houghton Laboratories, Inc., Olean, N. Y. Filed Aug. 30, 1950.

HYSOL

For Resin-Base Adhesive Compositions Used To Adhere Metal, Wood, Plastics, Ceramics, and Glass to a Wide Variety of Other Materials.
Claims use since June 28, 1950.

Ser. No. 606,014. H. V. Hardman Co. Incorporated, Belleville, N. J. Filed Nov. 7, 1950.

PHENOWELD

For Thermosetting Adhesives of a Resinous Nature for the Bonding of a Wide Variety of Materials Such as Metals, Thermosetting Plastics, Wood, Fabrics, and Glass, Especially Where Very High Shear and Tensile Strengths Are Required.
Claims use since Oct. 16, 1950.

Ser. No. 610,862. Northern Adhesives, Inc., Brooklyn, N. Y. Filed Mar. 5, 1951.

Duraweld

For Synthetic Liquid Wood Glue.
Claims use since Dec. 11, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 577,870. Cole Chemical Company, St. Louis, Mo. Filed Apr. 28, 1949. (Sec. 2f.)

COLE'S

Applicant claims ownership of Registrations Nos. 116,289 and 274,159.
For Disinfectants, Deodorants, and Fungicides, for Household, Industrial, and Institutional Use.
Claims use since Aug. 11, 1911.

Ser. No. 578,486. California Chemical Compounds Inc., Los Angeles, Calif. Filed May 10, 1949.

CALIFORNIA CHEMICAL COMPOUNDS INC.

The words "California Chemical Compounds Inc.," "Safe Guard," and "Products" are disclaimed.
For Anti-Freeze.
Claims use since September 1948.

Ser. No. 582,144. The Sani-White Chemical Co., Baltimore, Md. Filed July 18, 1949.

SANI-WHITE

The drawing is lined for red, but color is not claimed.
For Disinfectant for Closet Bowls and Urinals.
Claims use since March 1936.

Ser. No. 594,371. Eagle Products Co., Inc., Chattanooga, Tenn. Filed Mar. 22, 1950.

SPRA-KILL

For Insecticides and Insect Sprays.
Claims use since Mar. 4, 1950.

Ser. No. 610,688. J. L. Hopkins & Company, Brooklyn, N. Y. Filed Mar. 1, 1951.

CROW BRAND

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 272,925.
For Insect Powder.
Claims use since April 1907.

Ser. No. 611,730. Uncle Sam Chemical Co., Inc., New York, N. Y. Filed Mar. 23, 1951.

MOTHOMAT

For Moth-Repellent Crystals, and Pressed Blocks Made of Moth-Repellent Crystals.
Claims use since Apr. 2, 1923.

Ser. No. 612,336. The Marblette Corporation, Long Island City, N. Y. Filed Apr. 6, 1951.

MARBLETTE

Applicant claims ownership of Registrations Nos. 347,606, 330,377, and others.
For Synthetic Resin Compositions—Namely, Resins in Solid or Fluid Form.
Claims use since Aug. 1, 1936.

Ser. No. 612,396. Jesse B. Helfrich, doing business under the assumed name of Aqua-Flor, Portland, Oreg. Filed Apr. 9, 1951.

AQUA FLOR

The word "Aqua" is disclaimed.
For Solution of Sodium Fluoride and Water To Be Used in Drinking Water.
Claims use since Dec. 15, 1950.

Ser. No. 612,666. Riverside Chemical Company, Incorporated, North Tonawanda, N. Y. Filed Apr. 14, 1951.

Arseco

For Fluxes, Consisting Essentially of Metal Halide Mixtures; Caustic Alkalies; Caustic Soda; Water Soluble Alcohols; Anti-Freeze Compositions Consisting Essentially of Aqueous Mixtures of Alcohols; Bright Dips, Consisting Essentially of Acids and Rust Inhibitors.
Claims use since September 1948.

Ser. No. 613,510. Industrial Chemical Laboratories, Inc., Omaha, Nebr. Filed May 4, 1951.



For Liquid and Powdered Insecticides: Liquid and Powdered Disinfectants.
Claims use since Mar. 1, 1951.

Ser. No. 616,020. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Filed July 3, 1951.

Bladafum

Applicant claims ownership of German Registration No. 603,205, dated Dec. 12, 1950.
For Fumigant for Combatting Insects.

Ser. No. 616,023. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Filed July 3, 1951.

Levegal

Applicant claims ownership of German Registration No. 602,265, dated Nov. 6, 1950.
For Agents for Leveling Dyeings.

Ser. No. 616,024. Farbenfabriken Bayer, Leverkusen-Bayerwerk, Germany. Filed July 3, 1951.

Levogen

Applicant claims ownership of German Registration No. 602,110, dated Oct. 27, 1950.
For Chemical Composition for Improving Moisture Fastness of Substantive Dyeings.

Ser. No. 619,656. Synthetic Products Co., Cleveland, Ohio. Filed Oct. 5, 1951.

SYNPRON

For Stabilizers for Synthetic Resins.
Claims use since Dec. 1, 1948.

Ser. No. 619,897. O. M. Scott & Sons Company, Marysville, Ohio. Filed Oct. 11, 1951. (Sec. 2f.)

Scotts

For Chemical Preparation Designed for Controlling and Destroying Weeds.
Claims use since Mar. 11, 1946.

Ser. No. 620,311. Click Chemical Corporation, Mount Vernon, N. Y. Filed Oct. 22, 1951.



The word "Hang" and the representation of the goods and the clothes hanger are disclaimed.
For Moth-Repellent Crystals and Pressed Blocks Made of Moth-Repellent Crystals, the Crystals and the Blocks Having Incorporated Therein a Deodorant.
Claims use since Aug. 1, 1951.

Ser. No. 620,452. Airplant Corp., New York, N. Y. Filed Oct. 25, 1951.



For Combined Air-Odor Neutralizing Wick and Container.
Claims use since June 28, 1951.

Ser. No. 621,324. Mathieson Chemical Corporation, Baltimore, Md. Filed Nov. 16, 1951.

"MCC"

For Flux for Soldering or Brazing Containing Compounds of Hydrazine.
Claims use since Sept. 18, 1951.

Ser. No. 621,749. Battrix Products, Chicago, Ill. Filed Nov. 28, 1951.

BATTRIX

For Preparation in Powder Form for Desulfating Electric Storage Batteries.
Claims use since Oct. 22, 1951.

CLASS 7

CORDAGE

Ser. No. 622,318. Van Waters & Rogers, Inc., Seattle, Wash. Filed Dec. 10, 1951.

JUNIPER

For Wrapping Twine, Baler Twine, Binder Twine, and Rope.
Claims use since May 1, 1951.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 592,095. Olin Industries, Inc., East Alton, Ill. Filed Feb. 7, 1950.

SUPER MATCH

For Rifle and Pistol Cartridges.
Claims use since Apr. 7, 1933.

Ser. No. 608,485. Aldens, Inc., Chicago, Ill. Filed Jan. 8, 1951.

ALDENBILT

For Shotguns, Rifles, Cartridges, and Shotgun Shells.
Claims use since Dec. 26, 1949.

Ser. No. 617,963. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Aug. 22, 1951.

CORDTEX

Applicant claims ownership of British Registration No. 556,286, dated Dec. 10, 1934.
For Explosive Fuses.

Ser. No. 620,949. Balfour, Guthrie & Co., Limited, San Francisco, Calif. Filed Nov. 7, 1951.

GRAND POP

For Firecrackers.
Claims use since Dec. 1, 1933.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 597,330. A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Filed May 12, 1950. (Sec. 2f.)

A.W. FABER

The name shown is that of the founder of applicant's company, now deceased. Applicant claims ownership of Registration No. 86,582.
For Typewriter Ribbons, Carbon Paper, Writing Ink, Rubber Stamp Pads.
Claims use since 1887.

Ser. No. 613,806. Ditto, Incorporated, Chicago, Ill. Filed May 12, 1951.

DITTOLITH

Applicant claims ownership of Registrations Nos. 129,683, 249,382, and others.
For Writing Ink, Ruling Ink, Brushing Ink, and Typewriter Ribbons.
Claims use since Jan. 25, 1951.

Ser. No. 614,777. Interchemical Corporation, New York, N. Y. Filed June 5, 1951.

GEMSET

Applicant claims ownership of Registration No. 435,209.
For Printing Inks.
Claims use since Mar. 31, 1950.

Ser. No. 618,171. A. P. Little, Inc., Rochester, N. Y. Filed Aug. 28, 1951.

ELECTRICIA

For Typewriter Ribbons and Carbon Paper.
Claims use since July 10, 1951.

Ser. No. 620,798. Binney & Smith Company, New York, N. Y. Filed Nov. 2, 1951.

"OPALAC"

Applicant claims ownership of Registration No. 217,020.
For Ink for Stenciling or Marking Metal Surfaces.
Claims use since May 1, 1922.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 556,056. Armstrong Paint & Varnish Works, Chicago, Ill. Filed May 3, 1948. (Sec. 2f.)



The word "Paint" and the representation of the can of paint are disclaimed.
For Glazier's Putty, Asphalt for Roofing, Flooring and Driveways, Liquid Tar for Roofing and Roof Patching, and Sound Deadener Consisting of an Asphalt Tar and Asbestos Fiber Plastic Material Used for Sound Absorption in Walls, Ceilings, and as a base for Floorings.
Claims use since 1938 on the mark as shown; and since 1854 as to "Armstrong."

Ser. No. 558,987. American Lumber & Treating Co., Chicago, Ill. Filed June 11, 1948. (Sec. 2f as to "American Lumber & Treating Co.")



Applicant claims ownership of Registration No. 343,283.
For Forest Products—Namely, Railroad Ties, Posts, Pilings, Poles, Sleepers, Shores, Planking, Joists, Beams, Siding, Roofing, Flooring, Sills, Rafters, Scaffolding, String Pieces, Scantling, Lintels, Studs, Timbers, Laths, and Railings, Impregnated or Otherwise Treated With Fire Resisting Compounds.
Claims use since 1934 on the mark as shown; since August 1934 as to "American Lumber & Treating Co."; and since 1925 as to "Wolmanized."

Ser. No. 558,988. American Lumber & Treating Co., Chicago, Ill. Filed June 11, 1948. (Sec. 2f as to "American Lumber & Treating Co.")



The words "Fire-Retardant" are disclaimed.
For Forest Products—Namely, Railroad Ties, Posts, Pilings, Poles, Sleepers, Shores, Planking, Joists, Beams, Siding, Roofing, Flooring, Sills, Rafters, Scaffolding, String Pieces, Scantling, Lintels, Studs, Timbers, Laths, and Railings, Impregnated or Otherwise Treated With Fire Resisting Compounds.
Claims use since 1942 on the mark as shown; and since August 1934 as to "American Lumber & Treating Co."

Ser. No. 571,374. Henry Weis Manufacturing Company, Elkhart, Ind. Filed Dec. 30, 1948.

WEISART

For Prefabricated Metal Construction Members—Namely, Doors, Panels, and the Necessary Fasteners and Attachments Sold as a Complete Unit To Be Used in Making Permanent Type Toilet Cubicle, and Dressing Room Compartments or Enclosures.
Claims use since October 1937.

Ser. No. 574,634. Miller Brothers Company, Johnson City, Tenn. Filed Feb. 28, 1949. (Sec. 2f.)



The words "From the Mills of" are disclaimed.
For Wood Flooring and Millwork—Namely, Flooring, Trim, Mouldings, and Treads.
Claims use since July 1, 1938.

Ser. No. 584,381. Associated Plywood Mills, Inc., Eugene, Oreg. Filed Sept. 2, 1949.



The parallelogram shown in the mark is disclaimed.
For Lumber and Plywood.
Claims use since May 24, 1949.

Ser. No. 585,853. Loxit Systems, Inc., Chicago, Ill. Filed Oct. 6, 1949.

Glo-Dull

For Metal Chalk Troughs, Head and Mullion Trim Channels, and Metal End Stops Used in Installing Chalkboards and Tack Boards.
Claims use since June 1949.

Ser. No. 599,262. Robinson Industries, Coleman, Mich. Filed June 16, 1950.



The letter "K" is disclaimed.
For Thermoplastic Materials of the Expanded Polystyrene Type in the Form of Bats or Sheets as Shaped To Form a Sheath for Pipes or Conduits and Used as Insulation.
Claims use since Dec. 15, 1947.

Ser. No. 611,129. General Building Materials, Inc., South Bend, Ind. Filed Mar. 10, 1951.



The words "Window Unit" are disclaimed.
For Pre-Formed Window Construction for Use in Buildings and Is in the Nature of a Unit Consisting of a Frame and Window Sash Assembled in Said Frame and Balanced.
Claims use since Aug. 18, 1950.

Ser. No. 611,199. Steel-Sash Sales & Service, Inc., Weehawken, N. J., now by change of name Kota Products, Inc. Filed Mar. 12, 1951.

KOTA

The drawing is stippled for shading.
For Combination Screen and Storm Windows; Combination Screen and Storm Doors; Screens, Windows, Sash, and Doors.
Claims use since Jan. 1, 1950.

Ser. No. 611,353. General Refractories Company, Philadelphia, Pa. Filed Mar. 15, 1951.

KROMEBOND

For Chrome-Magnesite, Air-Setting, High Temperature, Bonding Mortar.
Claims use since May 17, 1950.

Ser. No. 611,511. Fiat Metal Manufacturing Company, Franklin Park, Ill. Filed Mar. 19, 1951.

Neptune

For Shower Doors.
Claims use since Mar. 10, 1947, as to the mark; and since Jan. 17, 1951, as to the mark in the form shown.

Ser. No. 611,528. Paramount Perlite Co., Los Angeles and Paramount, Calif. Filed Mar. 19, 1951.

PARA-LITE

The word "Lite" is disclaimed.
For Plaster Aggregate.
Claims use since Feb. 1, 1949.

Ser. No. 612,149. British Oilfield Equipment Co. Limited, Hunslet, Leeds, England. Filed Apr. 3, 1951.



Applicant claims ownership of British Registration No. 632,197, dated Oct. 2, 1946.
For Constructional Metal for Building Purposes in Bar, Sheet, Tubular, and Girder Form.

Ser. No. 620,652. A 1 Plastic Molders, Inc., Chicago, Ill. Filed Oct. 30, 1951.

Ber-All

For Plastic Wall Tile.
Claims use since July 25, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 565,982. Watts Regulator Co., Lawrence, Mass. Filed Sept. 27, 1948. (Sec. 2f.)

WATTS

Applicant claims ownership of Registration No. 282,741.
For Pressure Regulator Safety Devices—Namely, Feed Water Regulators, Pressure Regulators, Damper Regulator Valves, Reducing Valves, Relief Valves, Pressure and Vacuum Valves, Boiler Water Feeders, and Low Water Cut-Offs.
Claims use since 1874.

Ser. No. 569,465. Nichols Wire and Aluminum Co., Davenport, Iowa. Filed Nov. 26, 1948. (Sec. 2f—Additional evidence.)

NEVER-STAIN

For Nails.
Claims use since Mar. 30, 1948.

Ser. No. 578,099. Q-Rolo Sheet Metal Products, San Francisco, Calif., formerly Riddle Sheet Metal Works. Filed May 2, 1949.

Q-Rolo

For Sheet Metal Products—Namely, Sinks for Domestic and Commercial Use.
Claims use since August 1946.

Ser. No. 596,320. Atlantic Steel Company, Atlanta, Ga. Filed Apr. 26, 1950.

DIXISTEEL

Applicant claims ownership of Registration No. 171,801.
For Farm and Poultry Wire Fence, Hog and Cattle Wire Fence, Rectangular and Triangular Mesh Wire Fence, Wire Poultry Netting, Chain Link Fence, Wire Trellis, Wire Lawn Fence, Wrought Iron Fence, Barbed Wire Extension Arms of Metal for Angularly Extending the Top of a Fence Post, Metal Gates, Metal Fence Posts and Metal Highway Marker Posts, Fence Accessories—Namely, Metal Post Extension Arms, Metal Hinges, Metal Hinge Clips, Metal Latches, Catches, and Fence Post Tops, Rivets, Wire Nails and Staples, Galvanized Nails, Cement Coated Nails, Lead Head Roofing Nails, Flue Hangers Consisting of Metal Bands for Carrying Flue Sections, Galvanized Awning Rods for Supporting Canvas Awnings, Perforated Hanger Strips of Metal for Supporting Pipes, Screw Pin Shackles of Metal for Fastening Chain and Cable Together, Wagon Hardware of Metal—Namely, Wagon Box Rods, Wagon Box Strap Bolts, Wagon Box Staples, Stake Pockets To Hold a Wagon Box Together, Singletree Rings, Clips, Straps and Hooks, Metal Welding Flanges for Making Pipe Connections With the Side of a Tank, Wrought Metal Washers, Metal Cotton Ties, Metal Hand Railing, Wire Bale Ties, Wire Stave Ties, and Barbed Wire.
Claims use since Feb. 12, 1923.

Ser. No. 601,382. Standard Safety Equipment Co., Chicago, Ill. Filed July 28, 1950.

FAIRWAY

For Transparent Plastic Containers Having a Mechanical Dispenser at the Bottom of the Container by Which Tablets May Be Removed Singly and Adapted To Be Mounted on a Wall, Post, or the Like.
Claims use since February 1942.

Ser. No. 605,899. Roscoe Fowler, doing business under the name and style of Sturdee Steel Products Company, Los Angeles, Calif. Filed Nov. 4, 1950.



The word "Sturdee" is disclaimed. Applicant claims ownership of Registration No. 534,128.
For Mounting Hardware for Garage Doors, Hinges, and Door Pulls, All Fabricated of Metal.
Claims use since Oct. 6, 1950.

Ser. No. 613,722. National Electric Products Corporation, Pittsburgh, Pa. Filed May 10, 1951. (Sec. 2f.)

BONDNUT

Applicant claims ownership of Registration No. 262,071.
For Lock Nuts.
Claims use since Aug. 1, 1928.

Ser. No. 615,281. Olson Tool Company, Minneapolis, Minn. Filed June 16, 1951.

PRO-CAP

The word "Cap" is disclaimed.
For Dust Caps for Grease Fittings.
Claims use since May 1, 1951.

Ser. No. 616,166. General Ceramics and Steatite Corp., Keasbey, N. J. Filed July 6, 1951.

IMPERVITE

For Pipes and Pipe Fittings—Namely, Threaded Pipe Joints and Threaded Pipe Couplings.
Claims use since Aug. 1, 1948.

Ser. No. 620,747. Stanley E. Shaffer, Merced, Calif. Filed Oct. 31, 1951.

WATER STRETCHER

The word "Water" is disclaimed.
For Float-Controlled Valve Units for Irrigation Systems.
Claims use since Sept. 19, 1951.

Ser. No. 621,206. Jack Goldberg Co., Chicago, Ill. Filed Nov. 14, 1951.

GOLDWARE

For Sinks, Bathtubs, Brass Faucets and Fluid Valves, Toilet Seats, Tubular Brass Traps and Sink Strainers.
Claims use since July 9, 1951.

Ser. No. 622,132. Talon, Inc., Meadville, Pa. Filed Dec. 5, 1951.



The words "Department of Design" are Disclaimed. Applicant claims ownership of Registrations Nos. 243,746, and 501,982.
For Slide Fasteners.
Claims use since Oct. 15, 1951.

CLASS 15

OILS AND GREASES

Ser. No. 620,698. Standard Oil Company, Chicago, Ill. Filed Oct. 30, 1951.

INDSO

For Lubricating Oil.
Claims use since May 25, 1942.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 607,838. Anglo-American Export Co. Limited, London, England. Filed Dec. 19, 1950.

REFRAC

Applicant claims ownership of British Registration No. 691,701, dated Aug. 23, 1950.
For Fire-Retardant Paint and Varnishes.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 584,347. The Q-V Corporation, Ferndale, Mich. Filed Sept. 1, 1949.



The drawing is lined for shading purposes only. Applicant claims ownership of Registration No. 411,074.
For Vitamins and Concentrated Nutritional Food Supplements in Tablet and Capsule Form for Therapeutic Use.
Claims use since August 15, 1948.

Ser. No. 584,961. Bengue Inc., Union City, N. J. Filed Sept. 17, 1949. (Sec. 2f.)

BAUME BENGUÉ

The word "Baume" is disclaimed. Applicant claims ownership of Registrations Nos. 66,633, 435,135, and others.
For Medicinal Preparation To Be Applied Externally for Use in the Treatment of Rheumatism, Muscular Aches and Pains, Neuralgia, Minor Bronchial Irritations, Coughs and Throat Irritations Due to Colds, Burning, Tired Feet and Bunions, and Insect Bites and Stings.
Claims use since 1891.

Ser. No. 587,052. John E. Respondek, doing business under the name and style of Respondek Pharmacy, Hamtramck, Mich. Filed Oct. 29, 1949. (Sec. 2f.)

RESPONDEK'S LEKARSTWO ZYCIODAJNE

The trade-mark comprises the words "Respondek's Lekarstwo Zyciodajne," the last two words being the Polish for "A helpful preparation to aid a person's well being." No claim is made to the exclusive use of either of the Polish words alone.
For Liquid Tonic Laxative.
Claims use since Oct. 11, 1942.

Ser. No. 595,609. Francois A. Mautin, New York, N. Y. Filed Apr. 12, 1950.

N 63

For Medical Composition in Capsules, Tablets, or Any Form for the Treatment of Grippe, Bronchitis, Colds, Rheumatism, Migraine (Headaches), Nervous Disorders, Depressed or Exhausted Feeling, Convalescence, and the Like.
Claims use since February 1943 in France; first used in commerce between foreign nations and the United States in October 1949; and in commerce among the several States of the United States on Jan. 18, 1950.

Ser. No. 595,987. R. P. Scherer Corporation, Detroit, Mich. Filed Apr. 19, 1950.



For Capsulated Vitamin Preparations for Human and Other Animal Use, Including Single Vitamin, Multi-Vitamin, and Vitamin and Mineral Preparations; Capsulated Drugs and Medicinal Preparations and Mixtures for Human and Other Animal Use; Capsulated Medical Preparations—Namely, Creams, Salves, Lotions, and Ointments for Human and Other Animal Use.
Claims use since October 1933.

Ser. No. 602,444. Foley & Company, Chicago, Ill. Filed Aug. 19, 1950. (Sec. 2f as to "Foley.")

FOLEY BASIC

For Urinary Antiseptic Tablets.
Claims use since Aug. 14, 1950, as to the mark shown; and since Jan. 1, 1885, as to "Foley."

Ser. No. 603,220. Armour and Company, Chicago, Ill. Filed Sept. 7, 1950. (Sec. 2f.)

ARMOUR

Applicant claims ownership of Registration No. 521,655.
For Medicines and Pharmaceuticals—Namely, Amino Acids—Namely, Methionine and Histidine Monohydrochloride; Anti-Menorrhagic Factor; Benzoinated Lard; Benzoinated Mutton Tallow; Bile Preparations and Derivatives—Namely, Hog Bile Substance, Extract of Hog Bile, Ox Bile Substance, Extract of Ox Bile, Bilirubin, Dehydro-

chloic Acid, and Sodium Dehydrocholate; Bovine Blood Preparations—Namely, Bovine Albumin, Bovine Fibrinogen, Bovine Plasma, and Hemin Chloride; Bone Preparations—Namely, Natural Bone Minerals for Medicinal Use, Red Bone Marrow Preparations, and Yellow Bone Marrow Concentrate; Brain Preparations—Namely, Brain Substance, Lecithin, and Kephalin; Cholesterol; Chorionic Gonadotropin; Duodenal Preparations—Namely, Duodenal Substance, and Enterogastrone-Hydrochloride Used for Treatment of Gastric Ulcers; Glandular and Tissue Enzyme Products—Namely, Pancreas Substance, Pancreatin, Diastase, Trypsin, Chymotrypsin, Pancreatin and Ox Bile Extract, Pancreas Substance and Thyroid, Rennet, Pepsin, Lactated Pepsin, Peptic Enzymes, Essence of Pepsin, Adenyl Pyrophosphate, Dibarium Adenosine Triphosphate, Catalase, Lyzozyme, and Ribonuclease; Kidney Substance; Liver Preparations—Namely, Liver Substance, Liver Extract, Protein Fraction, Liver Liquid Parenteral, Liver Liquid Parenteral With Folic Acid, Liver Extract With Iron, Liver and Iron With Red Bone Marrow and Malt Extract, Liver With Ferrous Iron and Vitamin B Complex, and Liver With Ferric Iron and Vitamin B Complex; Liver and Yeast Preparations—Namely, Liver and Yeast Extracts and Liver and Yeast Extracts With Iron; Lymph Gland Substance; Ovarian Preparations—Namely, Ovarian Substance, Ovarian Residue Substance, Ovarian Liquid, Ovarian Concentrate, Ovarian and Whole Pituitary Liquid, and Corpus Luteum Substance; Orchic Substance; Medicated Mutton Suet for Treatment of Chapped Hands, Lips, Sunburn, and Roughness of the Skin; Peptones—Namely, Beef Peptone, Peptone G, Proteose Peptone, and Peptonum Siccum; Preparations of Beef Peptone and Malt Extract; Parathyroid Preparations—Namely, Parathyroid Substance and Parathyroid and Calcium Lactate; Penicillin G Sodium Crystalline; Pineal Substance; Pituitary Preparations—Namely, Pituitary Substance and Liquid, Pituitary Anterior Substance and Liquid, Pituitary Posterior Substance and Liquid, Anterior Pituitary Factors, Polyansyn, Prolactin, Growth Factor, Adrenocorticotropic Factor, Gonadotropic Factor, and Thyrotropic Factor; Placental Substance; Prostate Substance; Spinal Cord Substance; Stomach Substance; Sex Hormone Preparations Estrogenic and Androgenic—Namely, Estrogenic Hormones for Stimulating the Follicles of the Ovaries, Estradiol Benzoate, Ethinyl Estradiol, Progesterone, Diethyl-Stilbestrol, Testosterone, Methyl Testosterone, and Testosterone Propionate; Suprarenal Preparation—Namely, Suprarenal Substance, Suprarenal Cortex Substance, Suprarenal Concentrate, Suprarenal Cortex Extract for Parenteral Use, and Suprarenalin; Thymus Substance; Thyroid Preparations; Thyroid and Ovarian Substance; Vitamin Preparations—Namely, Ascorbic Acid (Vitamin C), Thiamin Hydrochloride (Vitamin B_1), Vitamin B_{12} Concentrate, Nicotinic Acid, Vitamin D With Dicalcium Phosphate and Calcium Gluconate, High Potency Multivitamin Preparations Containing a Liver Fraction, and High Potency Vitamin B Complex Preparations Containing a Liver Fraction; and Veterinarian Preparations—Namely, Anti-Hog Cholera Serum; Hog Cholera Virus; Preparations of Urea, Sulfanilamide, and Sulfathiazole; Solutions of Iron, Arsenic, and Strychnine; Preparations of Salicylic Acid, Ginger, and Cloves, Used for Treating Indigestion in Horses, Cattle, Hogs, and Sheep; Iodized Hydrocarbon Oil; Scarlet Oil; Sulfanilamide; Mineral Oil; Preparations of Diphenylamine, Benzol, and Turkey Red Oil, Used for Treating Worms in Animals; Calcium and Vitamin Preparations Used for Treating Diarrhea in Calves; Glucose Solution; Preparations of Isopropyl Alcohol, Phenol, Tannic Acid, and Methyl Violet, Used for Treating Superficial Wounds and Scratches in Animals; Liver, Iron, and Vitamin B Capsules; Udder Ointment; Preparations of Barium Chloride, Tartar Emetic, and Nux Vomica; Pituitary Liquid; Canine Mineral Supplement Preparations; Calcium Preparations for Use in Treating Diarrhea in Calves; Phenothiazine Suspensions; Thyroid Tablets; Stilbestrol; Preparations of Epinephrine; Copper Sulfate; Preparations of Malachite Green and Formaldehyde, Used for Antiseptic Solutions; Preparations of Castor Oil, Oil of Thuja, and Salicylic Acid; Preparations of Zinc Oxide and Oil of Thuja, Used for Treating Wounds and Abrasions; Sodium Iodide With Dextrose Solution; Chloral Hydrate With Dextrose Solution; Vitamin B-1; Mineral Preparations for Treating Mineral Deficiencies; Preparations of Ferrous Sulfate, Alum, and Tannic Acid, Used as Local Hemostatics; Camphorated Oil; Calcium Gluconate Solutions; Vitamin A Concentrate; Sodium Iodide; Preparations of Alcohol, Glycerine, Boric Acid, Tannic Acid, Phenol, and Oil of Cassia; Preparations of Calcium and Dextrose for Calcium Deficiencies; Sodium Cacodylate; Sodium Phospho Carbonate Used for Supplying Mineral Deficiencies in Animals; Preparations of Boric Acid and Dodecylamine Hydrochloride; Preparations of Phenothiazine and Copper Sulfate, Used in the Control of Worm Infestation in Swine; Phenothiazine Preparations Used in the Control of Worm Infestation in Sheep, Cattle, Chickens, and Turkeys; White Liniment; Preparations of Potassium Guaiacol Sulfonate, Ammonium Chloride, and Glycerine; Poultry Inhalant; Phenothiazine Powder; Preparations of Minerals and Vitamins; Vitamin-Containing Preparations Comprising Fish Liver Oil, Wheat Germ Oil, and Cottonseed Oil; Lime and Sulphur Solutions for Medical Use; Preparations of Aloes Curacoa, Calomel, and Strychnine Sulfate; Preparations of Calomel and Aloin; Strychnine Sulfate; Preparations of Red Mercuric Iodide, Chinese Cantharides, Euphorbium, and Turpentine Oil, Used as Ointments; Methenamine Potassium Nitrate; Iron Tablets; Preparations of Calcium, Phosphorous, Sodium Chloride, and Iodine, Used as Mineral Feeding Supplements; Sodium Chloride for Medicinal Use; Sulfathiazole; Acetone Test Capsules for Medicinal Use; Sulfanilamide; Sulfathiazole Sodium; Sulfapyridine Sodium; Ascorbic Acid for Medicinal Use; Mercury Bichloride; Preparations of Cape Aloes, Calomel, Barium Chloride, and Nux Vomica, Used as Equine Purgatives; Organic Iodides for Oral Administration in Cases of Iodine Deficiencies; Preparations of Ammonium Carbonate, Nux Vomica, Capsicum, Ginger, and Oil Cajeput; Methenamine; Tartar Emetic; Potassium Nitrate; Preparations of Ammonium Chloride, Potassium Guaiacol Sulfonate, and Creosote, Used for Poultry To Loosen Mucus in the Throat; Preparations of Calcium Sulfocarbolate, Sodium Sulfocarbolate, Zinc Sulfocarbolate, and Copper Sulfocarbolate; Nux Vomica; Ginger, Barium Chloride and Tartar Emetic; Sulfaguanidine; Calf Capsules, Alum Sodium Nitrate; Tyrothricin Emulsion; Preparations of Oil Chenopodium, Tobacco, Croton Oil, and Naphthalene, Used for Treating Worms; Preparations of Santonin and Calomel, Used for Treating Worms; Preparations of Castor Oil and Oil Chenopodium, Used for Treating Worms; Preparations of Ammonium Chloride, Stramonium, Potassium Dichromate, Lobelia, and Arsenic Trioxide; Isopropyl Alcohol Used as a Vehicle for Veterinary Preparations; Preparations of Potassium Iodide, Iodine, and Propylene Glycol; Preparations of Animal Sterol Vitamin D, Used for Treating Rickets; Preparations of Sodium Thiosulfate and Sodium Nitrite, Used in Treating Forage Poisons in Animals; Vitamin Preparations; Calcium Gluconate; Sodium Citrate; Preparations of Chloral Hydrate, Potassium Bromide, and Extract of Hyoscyamus, Used as Hypnotic and Sedative; Preparations of Boric Acid and Dodecylamine Hydrochloride, Used as Uterine Antiseptics; and Soluble Iodine Preparations of Iodine and Potassium Iodide.

Claims use since 1887.

Ser. No. 605,851. Dwarfies Corporation, Council Bluffs, Iowa. Filed Nov. 3, 1950.

Dwarfies

For Vitamin Preparation in Capsule Form.
Claims use since April 1944.

Ser. No. 606,490. Schenley Laboratories, Inc., New York, N. Y. Filed Nov. 16, 1950.

KINAVOSYL

For Pharmaceutical Product Used as a Relaxant for Spastic and Neurologic Disorders.
Claims use since Oct. 26, 1950.

Ser. No. 606,539. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 17, 1950.

BARPLEX

For Pharmaceutical Preparation Combining a Sedative Action With the Reconstructive Influence of the Principal B-Complex Vitamins.
Claims use since Nov. 28, 1949.

Ser. No. 606,748. Bristol Laboratories Inc., New York and Syracuse, N. Y. Filed Nov. 22, 1950.

Bryamycin

For Penicillin Product Containing an Amine Salt.
Claims use since Nov. 3, 1950.

Ser. No. 607,509. O'Connell Brothers, Inc., Overland and St. Louis, Mo. Filed Dec. 9, 1950.

ALUTRIS

For Antacid Adsorbent.
Claims use since Nov. 4, 1949.

Ser. No. 607,536. Bernhoft Laboratories, Inc., doing business under the name and style of Bernhoft Laboratories, Bremerton, Wash. Filed Dec. 11, 1950.

CORINA

For Medicinal Preparation in Tablet Form for the Treatment of Coronary Insufficiency and Hypertension.
Claims use since Nov. 1, 1950.

Ser. No. 608,057. Mildred J. Dillinger, Baldwin, N. Y. Filed Dec. 26, 1950. (Sec. 2f.)

Volta

Applicant claims ownership of Registrations Nos. 30,084, 178,673, and 188,814.
For Powdered Preparation To Alleviate the Pains, Stiffness, and Crippling Effects of Arthritis, Rheumatism, and Allied Diseases.
Claims use since Oct. 17, 1896.

Ser. No. 608,956. Schieffelin & Co., New York, N. Y. Filed Jan. 18, 1951.

KAONATE

For Antacid.
Claims use since September 1943.

Ser. No. 609,111. The Upjohn Company, Kalamazoo, Mich. Filed Jan. 22, 1951. (Sec. 2f.)

Aqua-B

Applicant claims ownership of Registration No. 435,464.
For Medicinal Preparation for the Treatment of Vitamin Deficiencies.
Claims use since Dec. 13, 1945.

Ser. No. 609,231. Congress Drug Corporation, Chicago, Ill. Filed Jan. 25, 1951.

BANALYD

For Antacid Preparation.
Claims use since Jan. 17, 1951.

Ser. No. 610,362. Geigy Company, Inc., New York, N. Y. Filed Feb. 21, 1951.

GEIGYRIN

Applicant claims ownership of Registrations Nos. 307,766 and 398,710.
For Antirheumatic, Analgesic, and Antipyretic Preparation.
Claims use since Nov. 29, 1950.

Ser. No. 610,396. Wynlit Pharmaceuticals, Inc., New York, N. Y. Filed Feb. 21, 1951.

REMUCOSIN

For Anti-Acid Tablets for Use in the Treatment of Stomach Ulcers.
Claims use since Dec. 12, 1950.

Ser. No. 611,010. American Cystoscope Makers, Inc., New York, N. Y. Filed Mar. 8, 1951.

BRONCIODOL

For Preparation To Be Taken Internally for the Purpose of Serving as an X-Ray Contrast Medium.
Claims use since Feb. 16, 1951.

Ser. No. 611,011. American Cystoscope Makers, Inc., New York, N. Y. Filed Mar. 8, 1951.

ACMIODOL

For Preparation To Be Taken Internally for the Purpose of Serving as an X-Ray Contrast Medium.
Claims use since Feb. 16, 1951.

Ser. No. 611,096. K-M Chemical Co., Thomasville, Ga. Filed Mar. 9, 1951.

Kno-Me

For Preparation for the Relief of Athlete's Foot, Ingrowing Toenails, Corns, Insect Bites, Slight Infections, Ring Worm, and Other Fungus Irritations.
Claims use since Jan. 1, 1951.

Ser. No. 612,434. C. H. Boehringer Sohn, Ingelheim on the Rhein, Germany. Filed Apr. 10, 1951.

Buscopan

Applicant claims ownership of German Registration No. 549,851, dated Oct. 7, 1942.
For Spasmolytic for the Gastro-Intestinal Tract and Billary Duct.

Ser. No. 613,073. International Affiliated Corp., Wilmington, Del. Filed Apr. 24, 1951.

RAMI-LAX

The term "Lax" is disclaimed. Applicant claims ownership of Registrations Nos. 32,888 and 368,061.
For Preparation for the Treatment of Constipation and Liver Disturbances.
Claims use since Oct. 3, 1950.

Ser. No. 613,542. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELAPAL

For Antiseptic Preparation in Liquid and Solid Form.
Claims use since Oct. 2, 1950.

Ser. No. 613,934. Makers of Kal, Inc., Los Angeles, Calif. Filed May 16, 1951.

Hiran

For Iron, Iodine, and Mineral Preparation for Use as a Dietary Supplement or Other Medicinal Purposes.
Claims use since Oct. 7, 1941.

Ser. No. 615,101. American Cyanamid Company, New York, N. Y. Filed June 13, 1951.

GEVRAL

Applicant claims ownership of Registration No. 554,004.
For Vitamin-Mineral Preparation.
Claims use since May 22, 1951.

Ser. No. 615,424. Viobin Corporation, Monticello, Ill. Filed June 19, 1951.

VIOTHOL

For Desiccated and Defatted Thyroid.
Claims use since March 1951.

Ser. No. 615,645. Johnson & Johnson, New Brunswick, N. J. Filed June 25, 1951. (Sec. 2f.)

Johnson's

Applicant claims ownership of Registrations Nos. 88,088, 92,678, and others.
For Antiseptic Lotion for Use on Babies.
Claims use since 1944.

Ser. No. 616,954. Ralph Garris, Bushkill, Pa. Filed July 26, 1951.

U K - Q I

For Medicinal Preparation for the Treatment of Asthma.
Claims use since July 4, 1929.

Ser. No. 618,615. Armour and Company, Chicago Il. Filed Sept. 11, 1951.

CRYSTAMIN

For Vitamin B_{12}.
Claims use since June 22, 1951.

Ser. No. 619,933. Ez-Oke Co., also doing business as Ez-Oke Lab., Springfield, Oreg. Filed Oct. 12, 1951.

Ezoke

For Medicated Lotion Intended for the Relief of Itching and Pain Resulting From Acute Oak, Ivy, or Sumac Poisoning.
Claims use since Aug. 21, 1951.

Ser. No. 620,325. Prof. Dr. Georg Schmid, Wabern, Berne, Switzerland. Filed Oct. 22, 1951.

Vibriogreen

Priority under sec. 44(d). Swiss Registration No. 138,917, dated July 20, 1951.
For Veterinary Medicines for Swine Dysentery.

Ser. No. 620,454. American Cyanamid Company, New York, N. Y. Filed Oct. 25, 1951.

HIBITAL

For Anti-Convulsant.
Claims use since Sept. 26, 1951.

Ser. No. 620,519. The Wm. S. Merrell Company, Cincinnati, Ohio. Filed Oct. 26, 1951.

KOLANTYL

For Preparation Useful in the Treatment of Gastro Intestinal Conditions.
Claims use since Jan. 22, 1951.

Ser. No. 620,764. Wyeth Incorporated, Philadelphia, Pa. Filed Oct. 31, 1951.

WYOVIN

Applicant claims ownership of Registrations Nos. 301,096 and 310,518.
For Antispasmodic.
Claims use since Aug. 19, 1932.

Ser. No. 620,804. Ali Debeh, doing business as Arlin Pharmaceutical Laboratories, North Chicago, Ill. Filed Nov. 2, 1951.

LINA-THROL

For Liniment Preparation for External Application in the Alleviation of Muscular Aches and Pains.
Claims use since Oct. 2, 1951.

Ser. No. 620,815. Nepera Chemical Co. Inc., Nepera Park, N. Y. Filed Nov. 2, 1951.

MYAVAN

For Sedative Hypnotic.
Claims use since Oct. 18, 1951.

Ser. No. 620,963. Charles E. Frosst & Co., Montreal, Quebec, Canada. Filed Nov. 7, 1951.

"HEXONIUM"

Priority is claimed under Sec. 44(d). Canadian application filed May 16, 1951, Registration No. N. S. 38,595, dated May 16, 1951.
For Pharmaceutical Preparation in Oral or Parenteral Forms for Use as Neuro-Muscular Blocking Agents.

Ser. No. 623,250. Hoffmann-La Roche, Inc., Nutley, N. J. Filed Jan. 5, 1952.

RIMIFON

For Antituberculosis Compound.
Claims use since Jan. 3, 1952.

Ser. No. 627,035. Henry Aschenbach, doing business under the name Terps Company, Pawtucket, R. I., and Washington, D. C. Filed Mar. 26, 1952.

Say **TERPS**

For Preparation for the Treatment of Coughs Due to Colds.
Claims use since Feb. 1, 1952.

CLASS 19

VEHICLES

Ser. No. 609,145. John E. Sjostrom Company, Philadelphia, Pa. Filed Jan. 23, 1951.



For Wheel Chocks.
Claims use since 1916.

Ser. No. 613,191. Republic Engineering & Mfg. Co., St. Louis, Mo. Filed Apr. 26, 1951.

REMCO LUBRO MATIC

For Automotive Tie-Rod Ends.
Claims use since Apr. 23, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 602,799. J. N. Ceazan Company, Los Angeles, Calif. Filed Aug. 26, 1950.

MAGIC-AID

For Electric Garbage Disposal Units for Kitchen Drain Outlets.
Claims use since July 26, 1950.

Ser. No. 609,317. Reeves Soundcraft Corp., New York, N. Y. Filed Jan. 26, 1951.

MAGNA - STRIPE

For Magnetic Sound Recording Film.
Claims use since Jan. 8, 1951.

Ser. No. 611,669. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 22, 1951.

WEST DISINFECTING Company

The words "Disinfecting Company" are disclaimed. Applicant claims ownership of Registrations Nos. 257,156, 379,308, and others.
For Electric Automatic Insecticide Sprayer; Electric Portable Hand Manipulable Insecticide Atomizers; and Electric Railroad Car Atomizers.
Claims use since Dec. 1, 1950.

Ser. No. 613,875. Industrial Starter Corporation, New York, N. Y. Filed May 15, 1951.

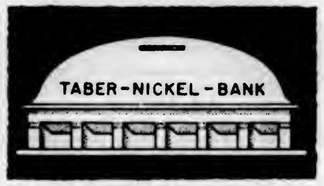


The representation of the fluorescent tube is disclaimed.
For Fluorescent Lamp Starters.
Claims use since May 21, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 585,217. Daryl Chase, Logan, Utah. Filed Sept. 23, 1949.



The drawing is lined for shading only. The words "Nickel-Bank" are disclaimed.
For Novelty Toy Savings Banks.
Claims use since Aug. 25, 1949.

Ser. No. 595,000. Kagraw Corporation, New York, N. Y., assignee of Robert E. Smith. Filed Mar. 31, 1950.

HOWDY DOODY

Applicant claims ownership of Registration No. 524,809.
For Toy Ceramic Piggy Banks.
Claims use since Sept. 15, 1949.

Ser. No. 611,666. Universal Sports Corporation, New York, N. Y. Filed Mar. 22, 1951.



For Baseball Bats; Baseball Bases; Baseball Masks; Home and Pitchers' Plates; Chest Protectors for Athletic Use; Gymnasium Mats; Supporters and Protective Cups for Athletic Use; Baseball Umpire Indicators; Athletic Balls for Sporting Use; Basketball Goals; Volley Balls and Footballs; Referees' Whistles; Platform Boxing Rings; Boxing Ring Mats and Covers; Boxing Gloves; Head Protectors for Boxing; Striking Bags and Striking Bag Gloves; Training Bags; Skip Ropes; Fishing Lines; Football Helmets; Shoulder, Arm, and Hip Pads for Athletic Use; Shin, Thigh, Leg, and Knee Guards for Athletic Use; Knee, Elbow, and Ankle Protectors for Athletic Use; Handball Gloves; Golf Gloves, Clubs, and Bags; Fencing Masks and Swords; Bowling Bags; Balls and Pins; Bows, Arrows, Quivers, and Targets for Archery; Ice and Roller Skates; Skis and Skiing Poles; Playground Equipment Comprising Horizontal Bars, Swings, Flying Rings, Ladders, Merry-Go-Rounds, Teeter Boards, Slides, and Trapezes; Shuffle-Boards; Racquets, Strings, and Presses for Tennis, Squash, and Badminton; Shuttle Cocks; Bats, Nets, and Tables for Table Tennis; Spring Exercisers, Dumbbells, Barbells, Hurdles, Vaulting Poles, Discuses, Shot, and Javelins for Athletic Use.
Claims use since Mar. 15, 1947.

Ser. No. 616,205. Gentner Tackle Co., Garfield, N. J. Filed July 7, 1951.



The representation of the goods is disclaimed.
For Artificial Fishing Lures.
Claims use since Apr. 25, 1951.

Ser. No. 617,102. A&H Doll Manufacturing Corp., Woodside, N. Y. Filed July 30, 1951.

A MARCIE
LOVELY ALICE
CREATION

The word "Creation" is disclaimed. Applicant claims ownership of Registration No. 521,415.
For Dolls.
Claims use since July 26, 1951.

Ser. No. 621,087. Royal Tops Mfg. Co., Long Island City, N. Y. Filed Nov. 9, 1951.

ROYAL

Applicant claims ownership of Registrations Nos. 385,138, 533,946, and 549,937.
For Spinning Tops, and Tops of the Bandalore Type.
Claims use since June 1, 1937.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 528,190. Brown & Bigelow, St. Paul, Minn. Filed July 9, 1947.

Redi-blade

The word "Blade" is disclaimed.
For Pocket, Kitchen, and Hunting Knives.
Claims use since Nov. 22, 1946.

Ser. No. 553,812. California Saw Works, San Francisco, Calif. Filed Apr. 5, 1948.



CALIFORNIA SAW WORKS
SAN FRANCISCO

The words "California Saw Works San Francisco" are disclaimed.
For All Types of Flat Ground Products—Namely, Circular and Band Saws, and Machine Operated Cutting Tools and Knives (Both Circular and Other Shapes).
Claims use since 1934.

Ser. No. 562,307. The Bin-Dicator Company, Detroit, Mich. Filed July 28, 1948. (Sec. 2f.)

BIN-FLO

For Aerators Designed To Introduce Air Into Powdered or Pulverulent Bulk Materials Enabling the Same To Flow From Bins, Hoppers, and Chutes.
Claims use since Feb. 3, 1941.

Ser. No. 576,113. Century Engineering Corporation, Cedar Rapids, Iowa. Filed Mar. 26, 1949.

-CENTURY-

The words "The" and "Line" are disclaimed.
For Hand and Power Operated Spray Pumps for Use on Portable or Stationary Spray Outfits for Home, Farm, and Industrial Use for the Application of Chemicals, Oils, Insecticides, Fungicides, Weed Killer Solutions, Disinfectants, and Paints; and Power Operated Portable and Stationary Spray Outfits for Agricultural and Horticultural Use and Component Parts Including Booms and Supports for Same.
Claims use since Oct. 19, 1948.

Ser. No. 578,200. Ekco Products Company, Chicago, Ill. Filed May 4, 1949.

STEAKSTER

For Set of Knives and Holder Therefor Sold Together as a Unit.
Claims use since Apr. 11, 1949.

Ser. No. 578,873. George E. Failing Supply Company, Enid, Okla. Filed May 14, 1949.

HOLEMASTER

For Earth Drilling Machines—Namely, Slim Hole Drilling Rigs, Exploration Drilling Rigs, Core Drilling Rigs, Seismograph Shot Hole Drilling Rigs, and Water Well Drilling Rigs; and Drilling Bits for Such Machines.
Claims use since June 1937.

Ser. No. 580,926. Consolidated Sewing Machine and Supply Co., Inc., New York, N. Y. Filed June 23, 1949.
The word "Fabric" is disclaimed.

CONSOLIDATED-FABRIC

For Fabric Working Machines Used in Manufacturing Processes — Namely, Sewing Machines; Winding Machines; Cutting Machines; Hot Roll Folding and Pressing Machines; and Hot Roll Folding, Pressing, and Sponging Machines; and Combined Cutting and Winding Machines.
Claims use since February 1943.

Ser. No. 587,903. New Hermes, Inc., New York, N. Y. Filed Nov. 16, 1949.

GRAVOGRAPH

For Engraving Machines for Engraving on Metal, Plastic, or Like Materials Including Parts Thereof.
Claims use since Nov. 8, 1949.

Ser. No. 590,802. Bruce Engineering Corporation, San Francisco, Calif. Filed Jan. 13, 1950.



The general rectangular background being for shading purposes only is disclaimed.
For Can Marking Machines.
Claims use since Dec. 1, 1949.

Ser. No. 593,237. Pal Blade Co., Inc., New York, N. Y. Filed Mar. 1, 1950.

ZIPAK

Applicant claims ownership of Registration No. 349,998.
For Dispensing Containers for Safety Razor Blades, Sold Filled.
Claims use since Jan. 26, 1937.

Ser. No. 594,738. Zak Machine Works, Inc., Troy (Green Island), N. Y. Filed Mar. 27, 1950.

AZAK

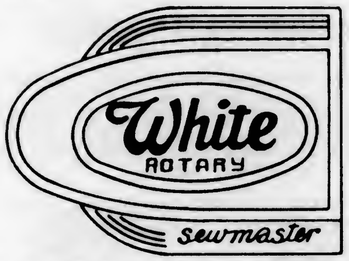
For Collar Trimmer Machines, Cuff Forming and Pressing Machines and Wax Injection Molding Machines.
Claims use since Mar. 20, 1946.

Ser. No. 604,297. The Dorr Company, Stamford, Conn. Filed Oct. 2, 1950.

HYDROSCILLATOR

For Apparatus for Classifying Solids Suspended in Liquids Comprising a Hydraulic Classifier for Separating Coarse Solid Particles From Fine Solid Particles in Liquid Suspension.
Claims use since Sept. 12, 1950.

Ser. No. 604,755. White Sewing Machine Corporation, Cleveland, Ohio. Filed Oct. 11, 1950. (Sec. 2f as to "White.")



The term "Rotary" is disclaimed. Applicant claims ownership of Registrations Nos. 56,294, 56,295, and others.
For Sewing Machines.
Claims use since Aug. 22, 1950, as to the mark shown; and since Nov. 15, 1938.

Ser. No. 606,943. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Nov. 25, 1950.



The drawing is lined for red, but color is not an essential feature of the mark.
For Self-Propelled Rock Drilling Machines.
Claims use since October 1947.

Ser. No. 609,933. Lindeteves Inc., New York, N. Y. Filed Feb. 10, 1951.



The drawing is lined for shading only.
For Pistons and Parts Thereof, Engine Valves, Cylinder Sleeves, Water Pumps, Mufflers, and Parts Therefor, Exhaust Pipes, Non-Portable Electric Drills, Non-Portable Drill Stands, Non-Portable Grinders, Saws, and Valve Seat Grinders.
Claims use since September 1950.

Ser. No. 611,799. The Minster Machine Company, Minster, Ohio. Filed Mar. 26, 1951. (Sec. 2f.)

MINSTER

For Power Presses for Metal Forging, Forming, Sheet Metal Working, and for Punching.
Claims use since September 1926.

Ser. No. 612,588. The Christy Company, Fremont, Ohio. Filed Apr. 13, 1951. (Sec. 2f.)

Christy

Applicant claims ownership of Registrations Nos. 26,889 and 281,745.
For Pocket Knives, Safety Razor Blades, and Safety Razors.
Claims use since 1923.

Ser. No. 614,953. Morey Machinery Co., Inc., Astoria, N. Y. Filed June 8, 1951. (Sec. 2f.)

MOREY

Applicant claims ownership of Registration No. 397,655.
For Turret Lathes, Vertical Profiler and Milling Machines, Automatic Lathes, Semi-Automatic Lathes; and Vertical Shapers.
Claims use since 1916.

Ser. No. 615,998. George Richards & Company Limited, Broadheath, near Manchester, England. Filed July 2, 1951.

HYDRABORE

Applicant claims ownership of British Registration No. 691,642, dated Aug. 21, 1950.
For Combined Boring and Facing Machines.

Ser. No. 619,150. Stewart-Glapat Corporation, Zanesville, Ohio. Filed Sept. 22, 1951.



For Mobile Straight Line Mechanical Conveyors.
Claims use since January 1951.

Ser. No. 620,116. W.L.W. Mfg. Co. Inc., Chicago, Ill. Filed Oct. 17, 1951.

PINK-ALONG

The word "Pink" is disclaimed.
For Pinking Shears.
Claims use since Oct. 10, 1950.

Ser. No. 620,936. Peter C. Tainsh, doing business as Seco Safety Products Company, Detroit, Mich. Filed Nov. 6, 1951.

SECO

For Fire Fighting Equipment—Namely, Foam Extinguisher, Soda Acid Extinguisher, Vaporizing Liquid Extinguisher, and Anti-Freeze Pump Tank Extinguisher.
Claims use since Aug. 1, 1947.

Ser. No. 621,039. Underwood Corporation, New York, N. Y. Filed Nov. 8, 1951.

Finger Flite

For Typewriters and Parts Thereof.
Claims use since Feb. 19, 1951.

Ser. No. 624,934. Dazey Corporation, St. Louis, Mo. Filed Feb. 14, 1952.

Vacumatic

For Can Openers.
Claims use since Jan. 7, 1952.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 585,303. The Case History, Detroit, Mich. Filed Sept. 23, 1949.

the Case History

For Automobile Service Indicator Apparatus—Namely, Apertured Plates for Marking Cards.
Claims use since May 11, 1949.

Ser. No. 600,821. Frank G. Darlington, Pittsburgh, Pa. Filed July 18, 1950.

CURRENTOGRAPH

For Drift and Set Indicator for Tidal Currents.
Claims use since March 1949.

Ser. No. 606,585. John Wood Company, New York, N. Y., and Muskegon, Mich. Filed Nov. 17, 1950.

TIREFLATOR

For Automatic Air Measuring Apparatus for Use in the Inflation of Tires and Other Containers to a Pre-Selected Pressure.
Claims use since 1924.

Ser. No. 607,321. Dunbar Glass Corporation, Dunbar, W. Va. Filed Dec. 6, 1950. (Sec. 2f as to "Dunbar.")



Applicant claims ownership of Registration No. 541,004.
For Gauge Glasses (or Sight Glasses), Being Squares, Oblongs, or Discs Used as Windows in Order To Read Pressures or Volumes; Wall Barometers; Lenses Made of Glass in Various Shapes and Used To Increase, Decrease, or Change the Direction of Light Rays in View Finders for Cameras, Telescopes, and Prismatic Assemblies; Photographic Lenses; Photographic Light Filters; Protective Covers for Meters, Being Squares, Oblongs, or Discs Made of Glass Which Are Used as Protective Covers for Meters by Which Volumes, Pressures, or Quantities Are Measured; Petrie Tubes for Laboratory Use; Petrie Jars for Laboratory Use; Columns for Chemical Processes for Laboratory Use; Evaporating Trays for Laboratory Use.
Claims use since Nov. 1, 1947, as to the mark shown; and since July 1, 1923, as to "Dunbar."

Ser. No. 607,978. Burke & James, Inc., Chicago, Ill. Filed Dec. 22, 1950.

MIRRO OPTICS

The term "Optics" is disclaimed.
For Camera Lenses.
Claims use since Dec. 28, 1949.

Ser. No. 607,979. Burke & James, Inc., Chicago, Ill. Filed Dec. 22, 1950.

VIDEOPTICS

The term "Optics" is disclaimed.
For Camera Lenses.
Claims use since June 15, 1948.

Ser. No. 612,209. Mark Cross Company, New York, N. Y. Filed Apr. 4, 1951.



The word "Lenses" is disclaimed.
For Reading Glasses.
Claims use since Mar. 14, 1951.

Ser. No. 612,271. Pelouze Manufacturing Co., Evanston, Ill. Filed Apr. 5, 1951.

"A"-LINE

The word "Line" is disclaimed.
For Postal Scales.
Claims use since Mar. 13, 1951.

Ser. No. 619,419. Keystone View Company, Meadville, Pa. Filed Sept. 18, 1951.

TACHISTOSLIDES

For Lantern Slides for Teaching Vocational Abilities.
Claims use since May 12, 1951.

Ser. No. 619,850. Rockwell Register Corporation, Bellefontaine, Ohio. Filed Oct. 10, 1951.

LOCK-O-MATIC

The word "Lock" is disclaimed.
For Automatic Fare Register With Locked Vault.
Claims use since Apr. 20, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 603,297. Kalex Corporation, New York, N. Y. Filed Sept. 8, 1950.



The term "World-Time" is disclaimed. Applicant claims ownership of Registrations Nos. 550,596, 555,647, and 558,712.
For Clocks.
Claims use since July 12, 1950.

Ser. No. 617,863. Century Product Works, Inc., New York, N. Y. Filed Aug. 20, 1951.

HUCKLEBERRY FINN

"Huckleberry Finn" is a fictional character created by Mark Twain.
For Clocks.
Claims use since July 5, 1951.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 615,499. Ernest R. Neyhard, Pottstown, Pa. Filed June 21, 1951.

MIN-I-JET

The word "Jet" is disclaimed.
For Costume Jewelry—Namely, Tie Clasp Pendants.
Claims use since Feb. 2, 1950.

Ser. No. 615,939. A. L. Lindroth Company, Attleboro Falls, Mass. Filed June 30, 1951.

A. L. L. CO.

For Jewelry for Personal Adornment, Not Including Watches—Namely, Brooches, Bracelets, Earrings, Pendants, Lockets, and the Following Item Made in Whole of, in Part of, or Plated With Precious Metal—Namely, Religious Crosses.
Claims use since 1908.

Ser. No. 616,060. Speidel Corporation, Providence, R. I. Filed July 3, 1951.

WHIRLPOOL

For Watch Bracelets (Not Including Watches).
Claims use since June 13, 1951.

Ser. No. 616,092. Exhibit Sales Company, also known as Exhibit Sales Co., Philadelphia, Pa. Filed July 5, 1951. The word "Creations" is disclaimed.



For Men's and Women's Costume Jewelry—Namely Gold Plated, Gold Filled, Rhodium Finished With or Without Semi-Precious Stones; Bracelets, Earrings, Broaches, Necklaces, Scatter Pins, Packaged Separately and in Matched Sets; Pearl Bracelets, Earrings, Broaches, Necklaces, Scatter Pins, Packaged Separately and in Matched Sets; and Rhinestone Bracelets, Earrings, Broaches, Necklaces, Scatter Pins Packaged Separately and in Matched Sets.
Claims use since June 1, 1949.

Ser. No. 616,657. Bruner-Ritter Inc., New York, N. Y. Filed July 19, 1951.

Gold Crown

The word "Gold" is disclaimed.
For Bracelets, Wrist Watch Bracelets.
Claims use since Aug. 8, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 614,057. Newton Grocery Company, Inc., doing business under the name Newton Grocery Company, Dothan, Ala. Filed May 18, 1951.

TOP O' THE WORLD

For Brooms and Mops.
Claims use since January 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 598,225. Lloyd G. Taylor, Ellicott City, Md. Filed May 26, 1950.

BAGTAINER

For Closed Form in Which Units of Fluid and Bulk Material Are Frozen To Give Them Form or Shape While Freezing, Which Form Is Removed From the Units After Freezing and Before Utilizing the Units.
Claims use since May 23, 1950.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 551,337. John Stuart Inc., New York, N. Y. Filed Mar. 5, 1948. (Sec. 2f.)

JOHN STUART INC.

"John Stuart," which is part of the mark, is the name of a vice-president of the applicant corporation and his consent to registration of his name as part of the mark is of record.
For Articles of Furniture, the Particular Articles of Furniture Being Beds, Dressers, Mirrors, Chests of Drawers, Chairs, Tables, Consoles, Buffets, Cabinets, Secretaries, Bookcases, Sofas, Lounges, Desks, and Bed Springs and Mattresses.
Claims use since 1934.

Ser. No. 587,401. Rex Baby Carriage Mfg. Co., Inc., New York, N. Y. Filed Nov. 5, 1949.

STROLL-O-CHAIR

The word "Chair" is disclaimed.
For Juvenile Furniture—Namely, High Chairs and Table and Chair Sets.
Claims use since Jan. 15, 1949.

Ser. No. 588,392. Sears, Roebuck and Co., Chicago, Ill. Filed Nov. 26, 1949. (Sec. 2f.)

CUSTOMATCHED

Applicant claims ownership of Registration No. 396,053.
For Kitchen Metal Wall and Base Cabinets.
Claims use since May 28, 1940.

Ser. No. 599,937. Mark Fugitt, Dallas, Tex. Filed June 29, 1950.



The representation of the goods and the words "Knee Comfort Pillow" are disclaimed. The representation of the lady is fanciful.
For Knee Pillows.
Claims use since May 23, 1950.

Ser. No. 600,987. Sears, Roebuck and Co., Chicago, Ill. Filed July 20, 1950.

THRIFT-CRAFT

Applicant claims ownership of Registration No. 362,123.
For Dining Tables, Dining Chairs, Servers, Buffets, Dish Cabinets, Dinette Sets, Beds, Dressers, Chiffoniers, Chifforobes, Dressing Tables, Vanity Tables, Bunk Beds, Bedside Tables, Nightstands, Wardrobes, Breakfronts, Vanity Benches, High Chairs, Stools, Chests, Bookcases, Broom Closets, Kitchen Cabinets, Kitchen Cabinet Bases, Linen Cabinets, Kitchen Cupboards, Kitchen Tables, Kitchen Chairs, End Tables, Lamp Tables, Coffee Tables, Davenport Tables, Magazine and Book Racks, Storage Chests, Credenzas, Record Cabinets, Corner Shelves, Gateleg Tables, Butterfly Tables, Desks, Desk Chairs, Step End Tables, Gossip Benches, Sink Bases.
Claims use since February 1936.

Ser. No. 609,239. Globe Venetian Blind Corporation, Baltimore, Md. Filed Jan. 25, 1951.

PLASTAPÉ

For Venetian Blinds.
Claims use since Jan. 12, 1951.

Ser. No. 611,357. Handy-Andy Specialty Co., Inc., Long Island City, N. Y. Filed Mar. 15, 1951.

HANDY-ANDY

For Wall Shelves, Mirrored Wall Shelves, Shadow Boxes, and Mirrors for Use in Connection With Furniture.
Claims use since June 1926.

CLASS 33

GLASSWARE

Ser. No. 614,030. American Window Glass Company, Pittsburgh Pa. Filed May 18, 1951.

LUSTRAGLASS

Applicant claims ownership of Registrations Nos. 340,244, 359,570, and others.
For Sheet Glass.
Claims use since Feb. 4, 1930.

Ser. No. 614,031. American Window Glass Company, Pittsburgh, Pa. Filed May 18, 1951.

SUPRATEST

Applicant claims ownership of Registration No. 391,160.
For Laminated Glass.
Claims use since Jan. 28, 1941.

Ser. No. 614,032. American Window Glass Company, Pittsburgh, Pa. Filed May 18, 1951.

LUSTRAWHITE

Applicant claims ownership of Registrations Nos. 340,244, 359,570, and others.
For Sheet Glass.
Claims use since Oct. 17, 1930.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 594,965. General Electric Company, Schenectady, N. Y. Filed Mar. 31, 1950.

THERMALENE

For Endothermic Reaction Apparatus for Producing a Protective Atmosphere Gas From Fuel Gases.
Claims use since July 1949.

Ser. No. 617,477. American Brake Shoe Company, New York, N. Y. Filed Aug. 9, 1951.

AMSCO

For Blast Furnace Parts—Namely, Bells, Bell Seats, and Bell-Rod Shields for Distributors.
Claims use since October 1915.

Ser. No. 622,036. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 3, 1951.

Coldspot

For Air Dryers Operated by Mechanical Refrigeration Action.
Claims use since June 8, 1950.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 551,758. Elmer Beechler, doing business as Remle, Hollywood, Calif. Filed Mar. 12, 1948.

Remlé

For Musical Instruments—Namely, Woodwinds, Brass Instruments, Saxophones, and Parts Therefor.
Claims use since Mar. 2, 1948.

Ser. No. 576,974. Kranich & Bach, New York, N. Y. Filed Apr. 12, 1949. (Sec. 2f.)

KRANICH & BACH
the Aristocrat of Pianos
SINCE 1864

The notation "The Aristocrat of Pianos Since 1864" is disclaimed.
For Pianos.
Claims use since Jan. 1, 1924.

Ser. No. 608,189. Cohoes Envelope Company, Inc., Cohoes, N. Y. Filed Dec. 26, 1950.

"SLEEVELOPE"

For Paper Envelopes for Phonograph Records.
Claims use since Nov. 24, 1950.

Ser. No. 609,595. May MacGregor, New York, N. Y. Filed Feb. 3, 1951.

Mary MacGregor

The mark is the nom de plume of the said May MacGregor and is a facsimile of the nom de plume as signed by her.
For Grooved Phonograph Records.
Claims use since Jan. 6, 1947.

Ser. No. 609,942. Norcon, Incorporated, Norwalk, Conn. Filed Feb. 10, 1951.

NORCON

For Grooved Phonograph Records.
Claims use since Jan. 17, 1951.

Ser. No. 614,985. Coral Records, Inc., New York, N. Y. Filed June 9, 1951.

CORALITE

For Mechanically Grooved Phonograph Records.
Claims use since May 23, 1951.

Ser. No. 616,098. Harmolin, Inc., San Diego and La Mesa, Calif. Filed July 5, 1951.

HARMOLIN

For String Instruments in the Nature of Zithers and Parts Thereof.
Claims use since Nov. 20, 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 621,184. Willauer Paper Box Company, Inc., Spartanburg, S. C. Filed Nov. 13, 1951.

Plasti-Wax

The word "Wax" is disclaimed.
For Folding Paper Boards Used as a Foundation for Bakery Products and Cake Paper Boards.
Claims use since Mar. 1, 1950.

Ser. No. 621,857. Binney & Smith Company, New York, N. Y. Filed Nov. 30, 1951.

KLEERWAE

Applicant claims ownership of Registration No. 316,890.
For Crayons.
Claims use since Nov. 19, 1951.

Ser. No. 622,608. Masson Seeley and Company Limited, London, England. Filed Dec. 17, 1951.

NUFO

Applicant claims ownership of British Registration No. 669,910, dated June 1, 1948.
For Transfer Papers.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 601,526. Societe Anonyme de l'Annuaire du Commerce Didot-Bottin, Paris, France. Filed July 19, 1950.



The drawing is lined for shading. The representation of the books is disclaimed. Applicant claims ownership of French Registration No. 395,114, dated June 22, 1949.
For Almanacs, Directories, Agenda-Books, Pamphlets of Information, Entirely Printed Publications, Entirely Printed Lists of Addresses.

Ser. No. 608,992. Independent Industrial Workers Association, Baton Rouge, La. Filed Jan. 19, 1951. (Sec. 2f.)

PLANT COUNCIL NEWS

For Newspaper.
Claims use since Jan. 1, 1946.

CLASS 39

CLOTHING

Ser. No. 545,502. The Marlan Company, Philadelphia, Pa. Filed Dec. 26, 1947.

His Nibs

For Boys' and Youths' Sport and Dress Shirts and Pajamas.
Claims use since Mar. 10, 1944.

Ser. No. 545,503. The Marlan Company, Philadelphia, Pa. Filed Dec. 26, 1947.



The pictorial representation of a boy shown in the drawing is fanciful.
For Boys' and Youths' Sport and Dress Shirts and Pajamas.
Claims use since Mar. 10, 1944.

Ser. No. 558,919. Oshkosh B'Gosh, Inc., Oshkosh, Wis. Filed June 10, 1948. (Sec. 2f—Additional evidence.)

Sta-BLU

Applicant claims ownership of Registrations Nos. 256,837 and 346,488.
For Overalls, Work Shirts, Coats, Jackets, and Pants Primarily for Men But Sometimes Worn by Women, Girls, and Boys.
Claims use since Feb. 15, 1928.

Ser. No. 558,921. Oshkosh B'Gosh, Inc., Oshkosh, Wis. Filed June 10, 1948. (Sec. 2f—Additional evidence.)



The word "Togs" is disclaimed. Applicant claims ownership of Registration No. 386,065.
For Overalls, Work Shirts, Coats, Jackets, and Pants Primarily for Men But Sometimes Worn by Women, Girls, and Boys.
Claims use since Oct. 7, 1940.

Ser. No. 590,162. Kingston Clothing Co., Boston, Mass. Filed Dec. 30, 1949.

Kromleigh

For Men's Topcoats and Overcoats.
Claims use since Aug. 30, 1945.

Ser. No. 590,752. Peter Morton Leisurewear, Inc., New York, N. Y. Filed Jan. 12, 1950.



The name "Peter Morton" is fanciful.
For Men's Coats, Suits, and Overcoats.
Claims use since Aug. 5, 1949.

Ser. No. 592,923. National Shirt Shops of Delaware, Inc., New York, N. Y. Filed Feb. 23, 1950. (Sec. 2f.)

FASH-N-FORM CLOTHES

The word "Clothes" is disclaimed. Applicant claims ownership of Registration No. 373,413.
For Men's Wearing Apparel, Sportswear, and Haberdashery—Namely, Work Dress, and Negligee Shirts, Neckties, Collars, and Cuffs, Underwear, Handkerchiefs, Gloves of Leather or Fabric, Suspenders, Garters, Scarfs, Mufflers, Pajamas, Rain Coats, and Flannel and Cotton Trousers, Men's Suits, Slacks, and Hosiery.
Claims use since Sept. 1, 1934.

Ser. No. 594,593. The Suit Shop, Washington, D. C. Filed Mar. 24, 1950.

Tune Twist



The word "Twist" is disclaimed.
For Men's Suits and Topcoats.
Claims use since Dec. 5, 1949, on the mark as shown; and since June 1922 as to the word "Tune."

Ser. No. 597,412. Pilgrim Sports & Work Apparel Manufacturers, Inc., New York, N. Y. Filed May 13, 1950.

OWENDALE Originals

The word "Originals" is disclaimed.
For Men's and Boys' Jackets, Sports Jackets, Coats, Overcoats, Surcoats, Pants, Slacks, Dress Shirts, Sport Shirts, Lumber Jackets, Polo Shirts, Suits, Undershirts, and Underdrawers.
Claims use since Apr. 28, 1950.

Ser. No. 597,439. Gibbs Underwear Company, Philadelphia, Pa. Filed May 15, 1950. (Sec. 2f.)

Gibbs

Applicant claims ownership of Registration No. 248,638.
For Underwear for Infants, Children, Men, and Women; Polo Shirts for Men and Children; T Shirts, Knitted Sport Shirts, Woven and Knitted Shorts, Knitted Outside Shirts, and Athletic Shirts for Men; Ladies' Briefs; Union Suits; Infants' Sleepers; and Children's Sleepers and Pajamas.
Claims use since 1914.

Ser. No. 603,064. Julius Kayser & Co., New York, N. Y. Filed Sept. 1, 1950. (Sec. 2f—Additional evidence.)

STRAIT-ON

For Women's Slips and Hosiery.
Claims use since Aug. 23, 1945.

Ser. No. 609,178. Hortex Manufacturing Co., Inc., El Paso, Tex. Filed Jan. 24, 1951.

Billyzip

For Children's Play Suits.
Claims use since June 1950.

Ser. No. 609,729. Lee-Wald Garment Company, Kansas City, Mo. Filed Feb. 7, 1951.



All wording shown on the drawing except "Jack Prep" is disclaimed. The pictorial representation of the boy is fanciful.
For Boys' Garments—Namely, Suits, Sport Coats, Slacks, Shorts, Jackets, Leisure Coats, Leisure Suits, Storm Coats, Top Coats, and Sur Coats.
Claims use since Jan. 1, 1939.

Ser. No. 610,181. Merry Hull & Company, New York, N. Y. Filed Feb. 16, 1951.



The words "Merry Hull" comprise the fictitious name of Gladys Whitcomb Geissmann, a member of the applicant firm. Applicant claims ownership of Registration No. 506,192.
For Infants' and Children's Coats, Hats, Vests, Rompers, Sweaters, Booties, Slippers, Overalls, Jumpers, Trousers, Robes, Scarves, and Mittens.
Claims use since Oct. 15, 1950.

Ser. No. 611,685. Clarke's Clothiers, Tulsa, Okla. Filed Mar. 23, 1951.



For Men's, Women's, and Children's Sport Shirts, Sport Jackets, Slacks, and Lounging Pajamas.
Claims use since Apr. 1, 1950.

Ser. No. 612,412. Paramount Manufacturing Co., Inc., St. Louis, Mo. Filed Apr. 9, 1951. (Sec. 2f.)

Better Built Trousers

No claim is made to the word "Trousers" apart from the mark shown. Applicant claims ownership of Registration No. 371,607.
For Pants and Trousers.
Claims use since May 15, 1919.

Ser. No. 614,036. The Baylis Brothers Company, Cincinnati, Ohio. Filed May 18, 1951.

Polly Flinders

The name "Polly Flinders" is fanciful.
For Children's Dresses and Blouses.
Claims use since Aug. 1, 1946.

Ser. No. 614,668. Peerless Wolfson Company, Chicago, Ill. Original filed, act of 1946, Supplemental Register, June 2, 1951; amended to application, Principal Register, Mar. 29, 1952.

Pinecrest

Applicant claims ownership of Registration No. 414,384.
For Handkerchiefs.
Claims use since Feb. 15, 1944.

Ser. No. 614,988. Victoria T. Hauer, Dayton, Ohio. Filed June 9, 1951.

Alvic

For Clerical Vests.
Claims use since May 1, 1950.

Ser. No. 615,209. Blue Jeans Corporation, Brattleboro, Vt. Filed June 15, 1951.

PERMA-NEE

The word "Nee" is disclaimed.
For Blue Denim Trousers.
Claims use since Mar. 20, 1951.

Ser. No. 615,336. Mam'selle Lingerie, Inc., New York, N. Y. Filed June 18, 1951.

"DRI-PANTS"

The word "Pants" is disclaimed.
For Children's Panties.
Claims use since Mar. 15, 1951.

Ser. No. 617,112. Hamilton Carhartt Overall Co., Inc., Detroit, Mich. Filed July 30, 1951. (Sec. 2f.)



Applicant claims ownership of Registrations Nos. 35,953 and 107,571.
For Overalls, Coats, Vests, Pants, Shirts, and Caps.
Claims use since January 1890.

Ser. No. 618,331. Almark Handkerchief Co., Inc., New York, N. Y., assignor to Kleenchief Co. Inc., New York, N. Y., a corporation of New York. Filed Sept. 4, 1951.

Kleen Chief

The word "Kleen" is disclaimed.
For Handkerchiefs.
Claims use since May 16, 1949.

Ser. No. 620,262. Fred F. Lehrer, doing business as Haymarket Coat Company, Los Angeles, Calif. Filed Oct. 20, 1951.

HAYMARKET

For Women's and Misses' Coats and Suits.
Claims use since July 21, 1951.

Ser. No. 620,310. Gem-Dandy, Inc., Madison, N. C. Filed Oct. 22, 1951.

CONFEDERATE REBEL

For Men's Cravats, Braces, Belts, and Garters, and Women's Scarfs.
Claims use since June 1, 1951.

Ser. No. 621,183. White Stag Mfg. Co., Portland, Oreg. Filed Nov. 13, 1951.

CLAMDIGGERS

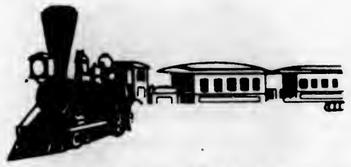
For Women's Short Slacks.
Claims use since March 1946.

Ser. No. 621,262. Eagle Shoe Mfg. Company, Inc., Everett, Mass. Filed Nov. 15, 1951.

~Courtland

For Men's and Boys' Leather Shoes.
Claims use since June 1, 1939.

Ser. No. 621,434. Dwight S. Williams Company, Inc., New York, N. Y. Filed Nov. 19, 1951.



Applicant claims ownership of Registration No. 524,743.
For Socks for Men.
Claims use since 1901.

Ser. No. 621,535. Williamson-Dickie Manufacturing Company, Fort Worth, Tex. Filed Nov. 21, 1951.

ZIPDON

For Overalls.
Claims use since Nov. 1, 1951.

Ser. No. 622,140. Marjorie H. Carter, Phoenix, Ariz. Filed Dec. 6, 1951.

Squa-Bangs

For Fringed Leather Item of Wearing Apparel To Be Worn About Ankles, Neck, or Waist.
Claims use since May 15, 1951.

Ser. No. 622,340. Lewel Manufacturing Co., Inc., New York, N. Y. Filed Dec. 11, 1951.

Tummy Tucker

For Girdles.
Claims use since Mar. 1, 1939.

Ser. No. 622,749. Knothe Brothers Co. Inc., New York, N. Y. Filed Dec. 21, 1951. (Sec. 2f as to "Knothe.")

Knothe
FEATHERLASTIC

Applicant claims ownership of Registrations Nos. 502,852, 521,101, and 530,916.
For Men's Outer Belts.
Claims use since Dec. 6, 1951, on the mark as shown; and since 1886 as to "Knothe."

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 570,699. Stanley H. Goldsmith, Inc., Philadelphia, Pa. Filed Dec. 17, 1948.

PREMO

For Fabrics of Silk, Wool, Cotton, Linen, Mohair, Rayon, Worsted, or Mixtures Thereof, Sold in the Piece.
Claims use since Jan. 1, 1928.

Ser. No. 612,800. Gaines Fabrics Co., Inc., New York, N. Y. Filed Apr. 18, 1951.

RIPPLE-ROUCHE

For Knitted Fabrics in the Piece of Rayon and Nylon.
Claims use since Oct. 5, 1950.

Ser. No. 613,024. Robbins Mills, Inc., New York, N. Y. Filed Apr. 23, 1951.

DOUBLE ENTENTE

For Piece Goods of Cotton, Wool, Synthetic Fibers, and Combinations Thereof.
Claims use since Apr. 2, 1951.

Ser. No. 617,043. M. Lowenstein & Sons, Inc., New York, N. Y. Filed July 27, 1951.

RIBONAY

For Cotton Piece Goods.
Claims use since Mar. 15, 1951.

Ser. No. 624,665. William Skinner & Sons, Holyoke, Mass., and New York, N. Y. Filed Feb. 7, 1952.

GRIDLON

Applicant claims ownership of Registration No. 375,913.
For Fabrics of Silk, Wool, Cotton, Man-Made Fibers, and Combinations Thereof.
Claims use since Jan. 24, 1952.

Ser. No. 624,666. Stunzi Sons Silk Company, Inc., New York, N. Y. Filed Feb. 7, 1952.

Paca-Shan

For Textile Fabrics in the Piece Made of Imported and Domestic Spun Rayon Yarns.
Claims use since Sept. 15, 1949.

Ser. No. 625,002. Cone Export and Commission Co., Inc., New York, N. Y. Filed Feb. 15, 1952.

CAPTAIN

For Cotton Piece Goods.
Claims use since Aug. 9, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 587,570. U. M. A. Inc., New York, N. Y. Filed Nov. 9, 1949.

INTUBEVAC

For Aeroporotomy Type of Apparatus Used for Sucking Out or Extracting Mucus From the Bronchi and Similar Operations.
Claims use since October 1, 1949.

Ser. No. 614,713. Parke, Davis & Company, Detroit, Mich. Filed June 4, 1951.

BAYCONOMY

For Surgical Adhesive Plaster.
Claims use since Apr. 3, 1951.

Ser. No. 614,738. Lucy Brett Andrew, Jamaica, N. Y. Filed June 5, 1951.

Slip Knot



The representation of the goods is disclaimed.
For Kits for Home Permanents Comprising Curling Lotion, Fixative, and Material To Roll the Hair on for Curling—Namely, Narrow Material of Velvet, Cotton, and Plastic, and Hair Curling Material of Velvet, Cotton, and Plastic.
Claims use since May 26, 1951.

Ser. No. 618,072. Paul Bréad, Nancy (Meurthe and Moselle), France. Filed Aug. 21, 1951.

CRINOPLAQUE

Applicant claims ownership of French Registration No. 3,821, dated Mar. 2, 1944.
For Sutures Used in Surgery.

Ser. No. 620,177. Trago Manufacturing Co. Inc., New York, N. Y. Filed Oct. 18, 1951.

Sani-kins

For Sanitary Panties.
Claims use since July 9, 1951.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 561,270. Societa per Azioni Strega Alberti Benevento (S. A. B.), Benevento, Italy. Filed Aug. 25, 1950.



All wording appearing on the drawing is disclaimed.
Applicant claims ownership of Italian Registration No. 4,905/49, dated Nov. 30, 1949, and United States Registrations Nos. 75,549, 95,859, and 313,690.
For Non-Alcoholic Maltless Soft Drinks and Syrups for Making Same.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 493,179. The William Edwards Company, Cleveland, Ohio. Original filed, act of 1905, Dec. 13, 1945; amended to application under act of 1946, Principal Register, Oct. 4, 1950.

MAGNOLIA

For Canned Vegetables and Canned Fish.
Claims use since 1900.

Ser. No. 535,021. Fruitland Canning Association, Inc., Fruitland, Idaho. Filed Sept. 19, 1947.

Western PRIDE

For Canned Vegetables.
Claims use since 1937.

Ser. No. 557,503. The Colorado Milling & Elevator Co., Denver, Colo., doing business as The Springfield Flour Mills, Springfield, Mo. Filed May 21, 1948.



The drawing is lined for red. The representation of a man and a woman is fanciful.
For Wheat Flour.
Claims use since 1883.

Ser. No. 565,151. S. A. Latterie Industriali Rinuite L. I. R., Robbio, Lomellina, Italy. Filed Sept. 9, 1948.

PASTORELLA

The word "Pastorella" means little shepherdess. Applicant claims ownership of Italian Registration No. 50,508, dated Nov. 9, 1934, renewed under No. 72,352 on Jan. 16, 1947.
For Butter and Cheese.

Ser. No. 572,139. Tex-O-Kan Flour Mills Co., doing business as Burrus Feed Mills, Fort Worth, Dallas, McKinney, and San Benito, Tex., now by change of name Burrus Mills, Incorporated. Filed Jan. 13, 1949. (Sec. 2f.)

"IT'S IN THE BAG"

Applicant claims ownership of Registration No. 389,182.
For Dairy, Hog, Livestock, Dog, and Poultry Feeds Composed Principally of Grains.
Claims use since 1929.

Ser. No. 572,170. Gentile Bros. Company, Cincinnati, Ohio. Filed Jan. 14, 1949.

GOLD-N-RIPE

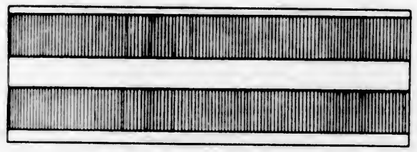
The word "Ripe" is disclaimed.
For Fresh Citrus Fruits.
Claims use since July 5, 1936.

Ser. No. 576,658. Rogers Candy Company, Seattle, Wash. Filed Apr. 5, 1949.

DUCKLINGS

For Candy.
Claims use since Oct. 1, 1948.

Ser. No. 577,301. Albert C. Kissling, Philadelphia, Pa. Filed Mar. 16, 1949.



The mark consists of a rectangular panel comprising red and white stripes.
For Sauer Kraut and Salt Mackerel.
Claims use since Dec. 1, 1948.

Ser. No. 578,638. H. C. Schranck Company, Milwaukee, Wis. Filed May 11, 1949. (Sec. 2f.)

SCHRANCKS

For Toppings for Ice Cream Sundaes and Sodas—Namely, Fruit Flavored Syrups, Marshmallow, Caramel, Crushed Fruits, Butterscotch, Chocolate Fudge, Maple Fudge; Canned Foods for Coloring and Flavoring Ice Cream—Namely, Mixed Fruits, Chocolate Preparation, Caramel Fudge, Fruits, Butterscotch, Fruit Purees, Nesselrode Pudding, Peach Melange, Buttered Pecan Sauce, Tutti Fruitti, Ice Cream Paste; Whipping Parfait Powder; Marshmallow Powder for Making Frostings and Fillings; Prepared Cake Mixes; Baking Powder; Prepared Frostings; Food Flavoring Extracts.
Claims use since Dec. 10, 1907.

Ser. No. 579,068. John J. Pieri, executor of the estate of Joseph G. Pieri, deceased, doing business as J. G. Pieri Company, Buffalo, N. Y. Filed May 18, 1949.

PAY-LO

For Canned Vegetables—Namely, Canned Green Beans, Canned Wax Beans, Canned Sweet Peas, and Canned Tomatoes.
Claims use since Apr. 29, 1949.

Ser. No. 582,498. Silbernagel Company, Inc., Pine Bluff, Ark. Filed July 25, 1949.

Snow Crust

For Wheat Flour.
Claims use since Jan. 1, 1939.

Ser. No. 583,169. Olive Oil Industry, Inc., New York, N. Y. Filed Aug. 8, 1949. (Sec. 2f.)

GEMELLI

Applicant claims ownership of Registration No. 241,856.
For Olive Oil and Canned Tomatoes.
Claims use since Dec. 5, 1925.

Ser. No. 587,910. Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Filed Nov. 16, 1949.

PIONEER

For Frozen Eggs and Dried Eggs.
Claims use since June 6, 1949.

Ser. No. 590,784. Fábrica de Conservas Madrugada, Limitada, Povoa de Varzim, Portugal. Filed Jan. 4, 1950.

Ala - Arriba

Applicant claims ownership of Portuguese Registration No. 55,992, dated July 30, 1949.
For Canned Fish—Namely, Anchovies.

Ser. No. 591,072. Delta Products Company, Wilson, Ark., assignor to Shedd-Bartush Foods, Inc., Detroit, Mich., a corporation of Michigan. Filed Jan. 19, 1950.

DELBROOK

For Oleomargarine.
Claims use since Oct. 21, 1949.

Ser. No. 599,555. Cresca Company, Inc., New York, N. Y. Filed June 22, 1950.

CRESCA

Applicant claims ownership of Registrations Nos. 39,568, 61,058, and others.
For Anchovy Paste, Apple Sauce, Artichoke Bottoms, Bacon Rinds, Bar le Duc, Capers, Caviar, Crackers, Cranberry Sauce, Dates, Figs, Fish, Fish Spreads, Frankfurts, Fruits, Fruit Juices (Viz., Apple, Apricot, Grapefruit, Lemon, Lime, Loganberry, Orange, and Pineapple), Ginger, Gooseliver, Guava Jelly, Honey, Lobster Paste, Maraschino Cherries, Marrons, Mushrooms, Mustard, Olives, Olive Oil, Orange Syrup and Slices, Pate de Foie Gras, Pickled Onions, Pickles, Pimentos, Plum Pudding, Pork Sausages, Preserved Cherries, Preserved Cut Fruits, Preserved Kumquats, Prunes, Pumpkin Seeds of Edible Kind, Salad Dressing, Salted Nuts, Shellfish, Snails, Soups, Tomato Juice, Truffles, Vegetables, and Vinegar, All of Which Are Contained in Cans or Jars.
Claims use since Sept. 15, 1902.

Ser. No. 599,943. G. P. Gundlach & Co., Inc., Cincinnati, Ohio. Filed June 29, 1950. (Sec. 2f.)

Golden Flake

Applicant claims ownership of Registration No. 370,015.
For Bottled Buttermilk.
Claims use since Apr. 10, 1926.

Ser. No. 601,199. Conserves Hero Lenzbourg, Lenzbourg, Switzerland. Filed July 25, 1950. (Sec. 2f as to "Lenzbourg.")



The word "Conserves" is disclaimed. Applicant claims ownership of Registrations Nos. 85,080 and 230,528.
For Canned Fruits and Vegetables, Marmalades and Jams, and Canned Meats—Namely, Pig Knuckles, Ox Tongue, Jugged Hare, Sausages, and Potted Meats.
Claims use since Oct. 21, 1916; and first used in commerce among the several States on Oct. 21, 1916.

Ser. No. 604,329. Salinas Valley Vegetable Exchange, Salinas, Calif. Filed Oct. 2, 1950.

CYPRESS POINT

The word "Cypress" is disclaimed.
For Fresh Lettuce and Fresh Melons.
Claims use since Apr. 19, 1950.

Ser. No. 605,655. Goren Packing Co., Inc., Boston, Mass. Filed Oct. 31, 1950.

GOLDCRISP

For Shortening Made From Animal Fats.
Claims use since July 31, 1950.

Ser. No. 608,227. Stepfreeze, Inc., Dayton, Ohio. Filed Dec. 29, 1950.

BRIDE'S KISS

For Concentrated Orange Juice.
Claims use since Aug. 15, 1949.

Ser. No. 608,821. Kahlua, Ltd., Hollywood, Calif. Filed Jan. 16, 1951.



The word "Kahluets" has no meaning in any language.
For Candy.
Claims use since Dec. 18, 1950.

Ser. No. 609,117. Avoset Company, San Francisco, Calif. Filed Jan. 23, 1951.

prokeens

For Protein Breakfast Food Made From Milk.
Claims use since Nov. 28, 1950.

Ser. No. 611,436. Knudsen Creamery Co. of California, Los Angeles, Calif. Filed Mar. 16, 1951.

HALF AND HALF

The drawing is lined for orange and blue. The words "Half and Half" are disclaimed.
For Dairy Products—Namely, Half Cream and Half Milk.
Claims use since Sept. 10, 1949.

Ser. No. 615,497. The Maryland Baking Company, Baltimore, Md. Filed June 21, 1951.

MABCO

Applicant claims ownership of Registration No. 381,720.
For Ice Cream Cones.
Claims use since November 1919.

Ser. No. 615,942. Leo Peters, doing business under the trade name of Peters' Produce Co., Evanston, Ill. Filed June 30, 1951.

GRACIOUS

For Butter, Margarine, Cheese, and Ice Cream.
Claims use since June 20, 1951.

Ser. No. 615,943. Leo Peters, doing business under the trade name of Peters' Produce Co., Evanston, Ill. Filed June 30, 1951.

SWEET CORN

For Butter, Margarine, Cheese, and Ice Cream.
Claims use since June 20, 1951.

Ser. No. 616,557. Gale Packing Company, Palatka, Fla. Filed July 16, 1951. (Sec. 2f.)

LAKE GEORGE

For Fresh Citrus Fruits and Frozen Seafood Products—Namely, Catfish, Catfish Fillets, Shrimp, Turtlemeat, and Mullet.
Claims use since 1916.

Ser. No. 616,845. F. E. Booth Company, Inc., San Francisco, Calif. Filed July 24, 1951.

Quarto di Luna

The mark consists of an Italian term translated as "Quarter of the Moon," shown with a crescent-shaped moon design. Applicant claims ownership of Registrations Nos. 76,517, 185,161, and others.
For Canned Tomato Paste.
Claims use since September 1924 on the mark as shown; and since 1880 on the crescent design.

Ser. No. 617,053. N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Filed July 27, 1951.

DOHYFRAL

Applicant claims ownership of Dutch Registration No. 107,768, dated Jan. 29, 1951.
For Vitaminized Live Stock Feeds.

Ser. No. 617,107. Claylor Corporation, New York, N. Y. Filed July 30, 1951.

GREENBARK

For Canned and Frozen Fruits and Vegetables.
Claims use since July 8, 1951.

Ser. No. 617,439. G. P. Halferty & Co., Seattle, Wash. Filed Aug. 8, 1951.

RED CHECK

The word "Red" is disclaimed.
For Canned Fish.
Claims use since Dec. 8, 1950.

Ser. No. 617,893. Eugenia Tay, Brooklyn, N. Y. Filed Aug. 20, 1951. (Sec. 2f as to "Chocolate Lace.")



The word "Chocolate" is disclaimed.
For Chocolate Candy.
Claims use since Feb. 1, 1950, on the mark as shown; and since Jan. 1, 1942, as to "Chocolate Lace."

Ser. No. 618,062. Strohmeyer & Arpe Company, New York, N. Y. Filed Aug. 24, 1951.

R. U.

Applicant claims ownership of Registrations Nos. 130,936 and 232,985.
For Olives.
Claims use since August 1949.

Ser. No. 618,962. Griggs, Cooper & Company, St. Paul, Minn. Filed Sept. 19, 1951.


Minuet

For Cookies, Crackers, and Coffee.
Claims use since June 8, 1935.

Ser. No. 619,391. Charles Killgore Company, Inc., Yonkers, N. Y. Filed Sept. 29, 1951.

Happy Diet Squares

The words "Diet" and "Squares" are disclaimed. Applicant claims ownership of Registration No. 526,067.
For Candy Substitutes, for Restricted Diets.
Claims use since May 24, 1951.

Ser. No. 619,909. The Albro Packing Company, Springboro, Pa. Filed Oct. 12, 1951.

ALBRO

Applicant claims ownership of Registration No. 196,108.
For Pickles and Pickle Relishes, Canned Peppers, Cider and White Vinegar, Mustard, Canned Sauerkraut.
Claims use since February 1935.

Ser. No. 620,391. Bluebird Dairy Products Corp., New York, N. Y. Filed Oct. 24, 1951.

BEAU GESTE

A translation of the French words "Beau Geste" is "beautiful gesture."
For Cheese.
Claims use since March 1949.

Ser. No. 620,517. Roy G. Marriott, doing business under the trade name Graded Egg Co., Perry, Okla. Filed Oct. 26, 1951.

HAPPY HEN

The word "Hen" is disclaimed.
For Fresh Eggs.
Claims use since July 7, 1951.

Ser. No. 620,518. Roy G. Marriott, doing business under the trade name Graded Egg Co., Perry, Okla. Filed Oct. 26, 1951.

The Little Red Hen

The word "Hen" is disclaimed.
For Fresh Eggs.
Claims use since July 7, 1951.

Ser. No. 621,078. Mid-West Producers' Creameries, Inc., South Bend, Ind. Filed Nov. 9, 1951. COLLECTIVE MARK.

Valley Lea

Applicant claims ownership of Registrations Nos. 332,774 and 537,903.
For Non-Fat Dry Milk Solids (Dry Skim Milk).
Claims use since July 16, 1951.

Ser. No. 621,107. Staley Milling Company, North Kansas City, Mo. Filed Nov. 10, 1951.

Atoms

Applicant claims ownership of Registration No. 427,548.
For Poultry and Live Stock Feed Composed of Cereal Grains and Other Ingredients.
Claims use since Mar. 29, 1946.

Ser. No. 621,691. Valley Co-Op Oil Mill, Harlingen, Tex. Filed Nov. 26, 1951.

VALCO

For Cottonseed Meal, Cottonseed Cake, and Cottonseed Pellets for Use as, or as an Ingredient of, Foods for Livestock, Poultry, and Carnivorous Animals.
Claims use since Oct. 11, 1951.

Ser. No. 622,345. Mary Sue Sales Co., Baltimore, Md. Filed Dec. 11, 1951.

Elizabeth Harper

The name "Elizabeth Harper" is fanciful.
For Candy and Salted Nuts.
Claims use since Oct. 9, 1951.

Ser. No. 622,415. George A. Sears, McGregor, Minn. Filed Dec. 12, 1951.

DARLA

For Dressed Poultry.
Claims use since Nov. 8, 1951.

Ser. No. 622,432. Flour Mills of America, Inc., Kansas City, Mo. Filed Dec. 13, 1951.

FOREMOST

Applicant claims ownership of Registration No. 225,972.
For Egg Mash, Concentrated Poultry Feed Consisting

of Meat and Bone Scraps, Alfalfa Leaf Meal, Soybean Oil Meal, and Distillers Solubles; Hog Feed Consisting of Digester Tankage, Soybean Oil Meal, Yellow Corn Feed Meal, Pulverized Barley, Pulverized Grain Sorghums; Dairy Supplement Feed Consisting of Cottonseed Meal, Soybean Oil Meal, Crimped Whole Oats, Blue Grass, Alfalfa Meal, Corn Gluten Meal, Corn Gluten Feed, Ground Barley, Ground Grain Sorghums; Horse and Mule Feed Consisting of Oats, Corn, Alfalfa Meal, Wheat Bran, Cane Molasses, Calcium Carbonate.

Claims use since November 1917.

Ser. No. 622,767. Barricini, Inc., New York and Long Island City, N. Y. Filed Dec. 22, 1951.

THE Barricinian

Applicant claims ownership of Registrations Nos. 310,433, 395,102, and others.

For Candy.

Claims use since May 1945.

Ser. No. 623,271. Wesley Crawford Foundation, doing business as Wesley Crawford and Son, Tacoma, Wash. Filed Jan. 7, 1952.

Family TREAT

For Fresh Tomatoes.

Claims use since Dec. 15, 1951.

Ser. No. 624,037. The Larsen Company, Green Bay, Wis. Filed Jan. 24, 1952. (Sec. 2f.)

LARSEN

For Canned Vegetables.

Claims use since Jan. 2, 1893.

Ser. No. 624,275. King Candy Company, Fort Worth, Tex. Filed Jan. 30, 1952.

Rough Riders

For Candy.

Claims use since Feb. 10, 1950.

Ser. No. 624,658. The Procter & Gamble Company, Cincinnati, Ohio. Filed Feb. 7, 1952. (Sec. 2f.)

STERLING

Applicant claims ownership of Registration No. 139,693.

For Processed Deodorized Edible Vegetable Oil.

Claims use since December 1902.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 590,273. Herman Krupp, doing business under the assumed name of Oceanic Trading Company, Seattle, Wash. Filed Jan. 3, 1950.

Nuguruk

The trade-mark "Nuguruk" is translated to mean "Good Luck" in the language of the Alaskan Eskimos.

For Hand Carved Ivory Objects of Art—Namely, Amulets, Talisman Pieces, Decorative Statues and Figurines, Miniatures of Various Articles, and Bric-a-Brac.

Claims use since Oct. 18, 1939.

Ser. No. 610,583. Protex Products Company, Inc., Jersey City, N. J. Filed Feb. 27, 1951.

Compliment

For Bowl Covers, Jar and Bottle Covers, Machinery Covers, Food Covers, Appliance Covers, Made of Synthetic Plastic Sheeting.

Claims use since September 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 575,618. Avon Products, Inc., New York, N. Y., assignor to Avon Products, Inc. (1950), a corporation of New York. Filed Mar. 18, 1949.

JUNE IN JANUARY

For Colognes, Toilet Water, Perfume.

Claims use since Mar. 11, 1949.

Ser. No. 577,273. Lancome, S. A., doing business as Lancome, Paris, France. Filed Apr. 16, 1949.

BIEN AISE

Applicant claims ownership of French Registration No. 319,327, dated Feb. 10, 1938.

For Face Creams.

Ser. No. 583,983. Bramhall Co., Inc., Pasadena, Calif. Filed Aug. 25, 1949.

UNMASK

For Cosmetic—To Wit, a Cosmetic Cleansing Oil.

Claims use since May 25, 1949.

Ser. No. 584,769. Kathryn, Inc., Chicago, Ill. Filed Sept. 13, 1949.

LUSTRELITE

For Ammoniated Tooth Powder.

Claims use since Aug. 9, 1949.

Ser. No. 596,911. Germaine Monteil Cosmetiques Corporation, New York, N. Y. Filed May 5, 1950.

IDOL-EYES

The word "Eyes" is disclaimed.

For Eye Shadow Preparation for Men and Women.

Claims use since Apr. 20, 1950.

Ser. No. 598,185. The House of Stuart, Inc., Newark, N. Y. Filed May 26, 1950.

ROYAL STUART

The name "Stuart" is disclaimed.

For Talcum Powder, Shaving Cream, Personal Deodorant, Scalp Freshener—Namely, a Liquid for Refreshing and Reviving the Scalp, Containing No Medicinal Properties, Hair Groom, After Shaving Lotion, and Pre-Shave Lotion.

Claims use since May 9, 1950.

Ser. No. 600,063. Michel Cosmetics, Inc., Long Island City, N. Y. Filed June 30, 1950. (Sec. 2f.)

Michel

Applicant claims ownership of Registrations Nos. 262,073 and 347,874.

For Lipsticks, Rouge, Face Powder, Mascara, Eye Shadow, Eyebrow Pencils, and Powder Base.

Claims use since May 1928.

Ser. No. 603,795. Keystone Laboratories, Inc., Memphis, Tenn. Filed Sept. 20, 1950.

Long Aid FOR THE HAIR

The words "For The Hair" and "Aid" are disclaimed

For Hair Dressing.

Claims use since March 1949.

Ser. No. 607,624. Germaine Monteil Parfums Company, New York, N. Y. Filed Dec. 13, 1950.

RIGOLADE

For Perfume, Toilet Water, and Cologne.

Claims use since Dec. 7, 1949.

Ser. No. 608,910. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Jan. 18, 1951.

Surmise

For Lipstick, Nail Polish, and Face, Talcum, and Dusting Powders.

Claims use since Dec. 11, 1950.

Ser. No. 610,634. Wesley A. Richards, doing business under the name General Testing Laboratories, Detroit, Mich. Filed Feb. 28, 1951.

"GTL"

For Hair Dressing.

Claims use since Nov. 15, 1950.

Ser. No. 610,635. Wesley A. Richards, doing business under the name General Testing Laboratories, Detroit, Mich. Filed Feb. 28, 1951.

UPPERCLASSMAN

For Hair Dressing.

Claims use since Nov. 15, 1950.

Ser. No. 611,287. Lucien Lelong, Inc., Chicago, Ill. Filed Mar. 14, 1951.

Take Two

For Colognes.

Claims use since Feb. 21, 1951.

Ser. No. 611,774. Jacques Dobais, Inc., New York, N. Y. Filed Mar. 26, 1951.

momentum

For Perfume, Eau de Cologne, Toilet Water, Hand Lotion, Face Lotion, After-Shaving Lotion, Cleansing Cream, Cold Cream, Vanishing Cream, Hand Cream, Eye Wrinkle Cream, Tissue Cream, Bleach Cream, Eye Cream, Refreshing Cream, Face Powder, Body Powder, Complexion Powder, Talc, Aromatized Sachet in Powder Form, Astringent for Toiletry, Skin Tonic, Bath Crystals, Finger Nail Polish, Enamel, Lipstick, Mascara, Rouge, Rouge Compact, Eye Shadow, Beauty Cake, Make-Up Base, Face Packs, Brilliantine, Deodorant, and Sunburn Preventative.

Claims use since Mar. 8, 1951.

Ser. No. 611,775. Jacques Dobais, Inc., New York, N. Y. Filed Mar. 26, 1951.

Say So

For Perfume, Eau de Cologne, Toilet Water, Hand Lotion, Face Lotion, After-Shaving Lotion, Cleansing Cream, Cold

Cream, Vanishing Cream, Hand Cream, Eye Wrinkle Cream, Tissue Cream, Bleach Cream, Eye Cream, Refreshing Cream, Face Powder, Body Powder, Complexion Powder, Talc, Aromatized Sachet in Powder Form, Astringent for Toiletry, Skin Tonic, Bath Crystals, Finger Nail Polish, Enamel, Lipstick, Mascara, Rouge, Rouge Compact, Eye Shadow, Beauty Cake, Make-Up Base, Face Packs, Brilliantine, Deodorant, and Sunburn Preventative.
Claims use since Mar. 8, 1951.

Ser. No. 611,945. Dearborn Supply Company, Chicago, Ill. Filed Mar. 29, 1951.

chloro-creme

The word "Creme" is disclaimed.
For Face Cream.
Claims use since Mar. 5, 1951.

Ser. No. 612,281. Takara Laboratories Corporation, trading as Takara Laboratories, Hollywood, Calif., assignor to Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Filed Apr. 5, 1951.

PERT

Applicant claims ownership of Registration No. 409,079.
For Hair Oil and Tonic.
Claims use since Mar. 5, 1951.

Ser. No. 612,379. Joseph Tursi, doing business under the firm name and style of Michael's, Atlantic City, N. J. Filed Apr. 7, 1951.

Pat

For Beard Softening Agent.
Claims use since Jan. 22, 1951.

Ser. No. 613,023. Princesse Titania, Inc., New York, N. Y. Filed Apr. 23, 1951.



The name on the drawing is fanciful.
For Perfume, Toilet Water, and Cologne.
Claims use since Apr. 10, 1951.

Ser. No. 615,723. Rilling Company, New York, N. Y., now by change of name The Rilling-Dermetics Company. Filed June 26, 1951.

Trik

For Permanent Wave Solutions.
Claims use since Feb. 28, 1951.

Ser. No. 620,401. Coty, Inc., New York, N. Y. Filed Oct. 24, 1951.

Meteor

For Perfume, Face Powder, and Face Cream.
Claims use since Nov. 9, 1949.

Ser. No. 620,552. John Robert Powers Products Co., Inc., Wilmington, Del., and New York, N. Y. Filed Oct. 27, 1951.

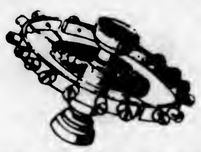
Susceptible

For Colognes.
Claims use since Aug. 22, 1951.

CLASS 52
DETERGENTS AND SOAPS

Ser. No. 578,492. D. & H. Mfg. Co., Modesto, Calif. Filed May 10, 1949.

D and H



The representation of part of a watch mechanism is disclaimed.
For Cleaner for Watch and Clock Mechanisms.
Claims use since Jan. 15, 1949.

Ser. No. 586,263. Mark Allen Co., Detroit, Mich. Filed Oct. 14, 1949.

MAKE-OFF

For Detergent Preparation for Cleaning the Skin.
Claims use since July 14, 1949.

Ser. No. 596,358. Pennsylvania Refining Company, Butler, Pa. Filed Apr. 26, 1950. (Sec. 2f.)

GUMOUT

Applicant claims ownership of Registration No. 502,768.
For Solvent Preparation, One of the Important Uses of Which Is To Remove Foreign Matter From Vehicle Carburetors.
Claims use since Mar. 21, 1945.

Ser. No. 606,699. Detrex Corporation, Detroit, Mich. Filed Nov. 21, 1950.

KEM-O-DRY

The word "Dry" is disclaimed.
For Degreasing and Drying Solvents for the Cleaning and Spot-Free Drying of All Kinds of Metal Parts, Costume Jewelry, and Similar Articles.
Claims use since June 14, 1949.

Ser. No. 611,068. Armour and Company, Chicago, Ill. Filed Mar. 9, 1951. (Sec. 2f.)

ARMOUR

For Soaps and Synthetic Detergents for General Household and Industrial Uses.
Claims use since 1896.

Ser. No. 611,161. West Disinfecting Company, Long Island City, N. Y. Filed Mar. 10, 1951.

WEST DISINFECTING Company

The words "Disinfecting Company" are disclaimed. Applicant claims ownership of Registrations Nos. 257,156, 379,308, and others.
For Liquid Soap; Surgical Soap; Hand Soap; Liquid Castile Soap and Powdered Soap, Chemical Preparations for Use in Disinfecting and Cleaning Bowls, Pipes, Etc.
Claims use since Dec. 1, 1950.

Ser. No. 614,516. Eugène Schueller, Paris, France. Filed May 29, 1951.

DOP

Applicant claims ownership of French Registration No. 394,116, dated May 12, 1949; and United States Registration No. 551,629, dated Dec. 4, 1951.
For Shampoos.

Ser. No. 617,867. Duart Manufacturing Co., Ltd., San Francisco, Calif. Filed Aug. 20, 1951.



The name "Betty Winton" is purely fanciful.
For Shampoo.
Claims use since June 1, 1951.

Ser. No. 620,364. Russell Supply Company, Bridgeville, Pa. Filed Oct. 23, 1951.

R-S-L Whirl

For Synthetic Detergent for Washing Clothes.
Claims use since Sept. 1, 1950.

Ser. No. 621,817. G. N. Coughlan Company, West Orange, N. J. Filed Nov. 29, 1951.

PROCESS 33

The word "Process" is disclaimed.
For Liquid Paint Brush and Roller Cleaner and Preserver in the Nature of a Paint, Enamel, Lacquer, Shellac, and Varnish Remover.
Claims use since Dec. 3, 1948.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 578,560. Association of Federal Communications Consulting Engineers, Washington, D. C. Filed May 11, 1949. COLLECTIVE MARK.



The wording shown in the mark is disclaimed. The drawing is lined to show lines in the mark.

For Consulting Engineering Services in the Design, Construction, Installation, Operation and Maintenance of Radio and Television Transmission and Reception Systems.

Claims use since Jan. 17, 1949.

Ser. No. 590,570. Alpha Kappa Kappa Fraternity, Columbus, Ohio. Filed Jan. 10, 1950. COLLECTIVE MARK.



For Advancement of Medical Science and the Promotion of Good Fellowship Among the Members of Its Chapters.

Claims use since 1899.

Ser. No. 601,022. Chemectron Corporation, Washington, D. C. Filed July 21, 1950.

CHEMECTRON

For Chemical Research Performed for Others.

Claims use since Mar. 24, 1950.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 619,182. Advertising Distributors of America, Inc., New York, N. Y. Filed Sept. 25, 1951.



The phrase "Money-Saver Coupon" is disclaimed.

For Advertising Services—Namely, Distributing to Consumers Coupons Which Are Redeemable as Part of the Purchase Price of the Manufacturer's Products, Preparing and Placing Tie-in Newspaper Advertisements.

Claims use since Sept. 7, 1951.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 595,334. Self Help Life Assurance Society, Chicago, Ill. Filed Apr. 6, 1950.

Self Help

For Underwriting of Life Insurance.

Claims use since June 1939.

Ser. No. 613,975. Continental Casualty Company, Chicago, Ill. Filed May 17, 1951. (Sec. 2f.)

America's No. 1 Accident and Sickness Insurance Company

The words "Accident and Sickness Insurance Company" are disclaimed.

For Underwriting of Accident, Sickness, Hospitalization, Medical, and Surgery Insurance.

Claims use since December 1944.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 590,453. Personal Pen Company, Boston, Mass. Filed Jan. 6, 1950.



The representation of the pen is disclaimed.

For Pen and Pencil Repair Service.

Claims use since Aug. 28, 1949.

Ser. No. 602,002. Shields Oil Producers, Russell, Kans. Filed Aug. 9, 1950. (Sec. 2f.)



Shields

For Drilling and Maintaining Oil and Gas Wells.

Claims use since 1937.

Ser. No. 608,917. Casting Repair Service. Oklahoma City, Okla. Filed Jan. 18, 1951.



The word "Weld" is disclaimed.

For Repairing of Metal Castings.

Claims use since May 1945.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 533,953. United Air Lines, Inc., Chicago, Ill. Filed Sept. 9, 1947. (Sec. 2f.)

MAINLINER

For Transportation of Persons, Mail, and Property by Air.

Claims use since 1936.

Ser. No. 601,184. American Airlines, Inc., New York, N. Y. Filed July 25, 1950. (Sec. 2f—Additional evidence as to "American.")



The words "Airlines," "Coach," and "DC-6" are disclaimed. The drawing is lined for shading. Applicant claims ownership of Registration No. 514,294.

For Air Transportation of Passengers.

Claims use since June 1950 on the mark as shown; and since March 1930 as to "American."

Ser. No. 605,368. National Airlines, Incorporated, Miami, Fla. Filed Oct. 24, 1950.



The word "Vacation" is disclaimed.

For Arranging All-Expense Travel Tours, and the Air Transportation of Passengers in Connection Therewith.

Claims use since May 13, 1950.

Ser. No. 613,035. Edw. D. White & Assoc., Inc., Seattle, Wash. Filed Apr. 23, 1951.

VAGABOND CRUISES

The word "Cruises" is disclaimed.

For Travel Services Comprising Arrangements for All Types of Transportation Including Air, Rail, Ship, and Bus Transportation, Charter Cruises, and for Hotel, Inn, and Resort Accommodations, to and in Any Part of the World.

Claims use since May 1931.

Ser. No. 623,200. National Van Lines, Inc., Chicago, Ill. Filed Jan. 4, 1952. (Sec. 2f.)

NATIONAL VAN LINES Inc.

The words "Van Lines, Inc." are disclaimed. Applicant claims ownership of Registration No. 548,018.

For Transportation of Goods by Motor Van.

Claims use since October 1928.

CLASS 106

MATERIAL TREATMENT

Ser. No. 536,043. Velveray Corporation, New York, N. Y. Filed May 1, 1948.

VELVERAY

Applicant claims ownership of Registrations Nos. 287,011, 364,252, and others.

For Decorating and Printing Woven and Knitted Fabrics of Cotton, Silk, Rayon, Nylon, Wool, Acetate and Linen by Dyeing the Same, Printing Them With Designs and Colors, Applying Flock Thereon, Applying a Suede Finish, and Embossing.

Claims use since October 1929.

Ser. No. 619,071. Bradford Dyeing Association (U.S.A.), Westerly, R. I., and New York, N. Y. Filed Sept. 21, 1951.

RIGMEL

For Services Rendered Manufacturers of All Kinds of Fabrics Including Cotton, Wool, Worsted, Acetate Rayon, Viscose Rayon, Spun Rayon, and Mixed Fibres, Which Services Consist of Rendering Said Fabrics Shrunk to Within 1% Average Residual Shrinkage by Government Test Methods.

Claims use since Aug. 1, 1932.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 604,387. Dick Powell, doing business as Powell Enterprises, Hollywood, Calif. Filed Oct. 3, 1950.

Richard Diamond

"Richard Diamond" is a fictitious character.

For Entertainment Services Rendered Through the Medium of a Series of Dramatic Radio and Television Programs.

Claims use since Mar. 21, 1949.

Ser. No. 610,373. Richard H. Mansfield, doing business as Dick Mansfield, Cheverly, Md. Filed Feb. 21, 1951.

SAFETY CAREFULIERS

The word "Safety" is disclaimed.

For Promoting Safety Among Children by Lectures or Addresses in Schools or Other Institutions of Learning, and Before Children's Groups, by Illustrated Lectures, Drawings, and Chalk Talks.

Claims use since September 1943.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,694. Boots and Shoes of Leather, Fabric, and/or Combinations Thereof. International Shoe Company, St. Louis, Mo.

Filed Mar. 6, 1947, Serial No. 518,606. Published Oct. 7, 1947. Class 39.

444,695. Correspondence and Mailing Envelopes. Western Tablet & Stationery Corporation, Dayton, Ohio.

Filed July 3, 1947, Serial No. 526,013. Published Feb. 26, 1952. Class 37.

444,696. Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded. Western Tablet & Stationery Corporation, Dayton, Ohio.

Filed July 3, 1947, Serial No. 526,027. Published Mar. 18, 1952. Class 37.

444,697. Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded. Western Tablet & Stationery Corporation, Dayton, Ohio.

Filed July 3, 1947, Serial No. 526,048. Published Feb. 12, 1952. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

560,037. Ladies' Dresses. Juliette Frocks, Inc., Chicago, Ill., assignee of Sam Rothbart, doing business as Juliette Frocks.

Original filed, act of 1905, Nov. 19, 1942; amended to application under act of 1946, Principal Register, Sept. 8, 1949, Serial No. 456,929. Published Mar. 25, 1952. Class 39.

560,038. Paper Tablets; Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded; Loose Paper for Drawing or Other Art Purposes, Put Up in Wrapped Packages, Boxes, or Banded; and Loose Leaf Binders. Western Tablet & Stationery Corporation, Dayton, Ohio.

Original filed, act of 1905, July 3, 1947; amended to application, act of 1946, Principal Register, Oct. 7, 1948, Serial No. 526,072. Published Feb. 26, 1952. Class 37.

560,039. Canned Poultry Products — Namely, Noodle Chicken Dinner, Etc. C. A. Swanson & Sons, Omaha, Nebr.

Filed July 5, 1947, Serial No. 528,036. Published Jan. 22, 1952. Class 46.

560,040. Canned Cat Food. Flag Pet Food Corp., New York, N. Y.

Filed July 14, 1947, Serial No. 528,564. Published Mar. 18, 1952. Class 46.

560,041. Envelope-Like Sealed Containers Made of Two Opposed Layers of Sheet Material, Etc. Ivers-Lee Company, Newark, N. J.

Filed Aug. 1, 1947, Serial No. 530,206. Published Mar. 18, 1952. Class 2.

560,042. Paper and Paper Products, Etc. Port Huron Sulphite & Paper Co., Port Huron, Mich.

Filed Aug. 19, 1947, Serial No. 531,839. Published Jan. 29, 1952. Class 37.

560,043. Copy Paper for Use in Duplicating Machines. Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y.

Filed Sept. 25, 1947, Serial No. 535,737. Published Feb. 12, 1952. Class 37.

560,044. Hand-Operated Valves, Whistle Valves, Pressure-Reducing Valves, Etc. Leslie Co., Lyndhurst, N. J.

Filed Oct. 11, 1947, Serial No. 537,597. Published Mar. 25, 1952. Class 13.

560,045. Stationery—Namely, Letter Paper, Leaves for Loose Leaf Files, Partially Printed Blanks, and Partially Printed Forms. The McBee Company, Athens, Ohio.

Filed Dec. 6, 1947, Serial No. 543,621. Published Feb. 26, 1952. Class 37.

560,046. Fresh Citrus Fruits. Olive Heights Citrus Association, Olive, Calif.

Filed Dec. 20, 1947, Serial No. 545,029. Published Mar. 18, 1952. Class 46.

560,047. Piece Goods of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.

Filed Mar. 11, 1948, Serial No. 551,689. Published Mar. 25, 1952. Class 42.

560,048. Enameled Kitchen Utensils—Namely, Pails and Garbage and Refuse Cans; Etc. The Cussins and Fearn Company, Columbus, Ohio.

Filed Mar. 12, 1948, Serial No. 551,773. Published Mar. 25, 1952. Class 2.

560,049. Materials for Use in Wrapping Gifts—Namely, Gift Wrapping Papers, Etc. The Lees Textile Company, Lowell, Mass.

Filed Mar. 15, 1948, Serial No. 551,983. Published Mar. 4, 1952. Class 37.

560,050. Live Stock, Poultry, Rabbit Feeds, Composed Principally of Grains. Aubrey & Company, Louisville, Ky.

Filed Apr. 5, 1948, Serial No. 553,804. Published Mar. 18, 1952. Class 46.

560,051. Frozen Seedless Purees of Fruits and Berries, Whole Fruits and Berries, and Sliced, Diced, and Halved Fruit. Frosted Fruit Products, Los Angeles, Calif.

Filed May 25, 1948, Serial No. 557,746. Published Mar. 18, 1952. Class 46.

560,052. Wheat Flour. Trenton Milling Company, Trenton, Ill.

Filed May 27, 1948, Serial No. 557,973. Published Mar. 25, 1952. Class 46.

560,053. Upholstered Chairs and Sofas. J. L. Chase Company, Chicago, Ill.

Filed June 9, 1948, Serial No. 558,778. Published Apr. 1, 1952. Class 32.

560,054. Printing Paper. West Virginia Pulp and Paper Company, New York, N. Y.

Filed Feb. 14, 1948, Serial No. 559,391. Published Feb. 26, 1952. Class 37.

560,055. Household Furniture Including Dining-Room, Bed-Room, and Living-Room—Namely, Chairs, Tables, Benches, Footstools, Cabinets, Chests, Beds, Dressers, Sofas, and Davenports Built to Order. Jamestown Lounge Company, Jamestown, N. Y.
Filed June 18, 1948, Serial No. 559,613. Published Apr. 1, 1952. Class 32.

560,056. Canned Foods for Infants and Invalids—Namely, Strained Soup Mixed Vegetables, Etc. Gerber Products Company, Fremont, Mich.
Filed Aug. 30, 1948, Serial No. 564,382. Published Feb. 26, 1952. Class 46.

560,057. Canned Foods for Infants and Invalids—Namely, Strained Soup Mixed Vegetables, Etc. Gerber Products Company, Fremont, Mich.
Filed Aug. 30, 1948, Serial No. 564,384. Published Feb. 26, 1952. Class 46.

560,058. Bolts. Hubbard and Company, Pittsburgh, Pa. Original filed, act of 1946, Supplemental Register, Sept. 3, 1948; amended to application, Principal Register, Feb. 7, 1950, Serial No. 564,624. Published Mar. 18, 1952. Class 13.

560,059. Lubricant Receiving Fittings for Machinery and Vehicles. Stewart-Warner Corporation, Chicago, Ill.
Filed Sept. 14, 1948, Serial No. 565,147. Published Mar. 18, 1952. Class 13.

560,060. Bread. Interstate Bakeries Corporation, Kansas City, Mo.
Filed Sept. 21, 1948, Serial No. 565,552. Published Mar. 18, 1952. Class 46.

560,061. Automobile Polishes, in Liquid or Paste Form. Bernard J. Ellis Limited, South Woodford, London, England.
Filed Oct. 7, 1948, Serial No. 566,575. Published Mar. 18, 1952. Class 4.

560,062. Coated Printing Paper. Oxford Paper Company, New York, N. Y.
Filed Oct. 23, 1948, Serial No. 567,533. Published Feb. 26, 1952. Class 37.

560,063. Pipe Unions. Well Equipment Mfg. Corp., Houston, Tex.
Filed Nov. 8, 1948, Serial No. 568,225. Published Mar. 18, 1952. Class 13.

560,064. Candy Bars. The D. L. Clark Company, Pittsburgh, Pa.
Filed Nov. 6, 1948, Serial No. 568,297. Published Mar. 18, 1952. Class 46.

560,065. Metal Inserts for Securing Bolts to Concrete Surfaces; Metal Clothes Posts for Permanent Positioning in the Ground; Floor Traps; Wall Plugs for Use in Securing Wood to Masonry; Septic Tanks; Slop Sinks; Sewer Pipe Strainers; and Bell Type Floor Traps. The Donley Brothers Company, Cleveland, Ohio.
Filed Nov. 12, 1948, Serial No. 568,593. Published Mar. 18, 1952. Class 13.

560,066. Gas Pressure Regulators for Controlling the Flow and Pressure of Gas, Including Regulators of This Type Which Are Sometimes Called Gas Pressure Governors. American Meter Company, New York, N. Y.
Filed Dec. 24, 1948, Serial No. 571,065. Published Mar. 25, 1952. Class 13.

560,067. Buckles, Zipper Pulls, Buttons, Dress Studs and Dress Links, All Made of Non-Precious Material. Harlem-Adler & Co., Inc., New York, N. Y.
Filed Jan. 14, 1949, Serial No. 572,175. Published Jan. 29, 1952. Class 40.

560,068. Facial Tissues in a Particular Container. Paul Neil Lewis, Brooklyn, N. Y., assignor to Leon Cohn, New York, N. Y.
Filed Jan. 15, 1949, Serial No. 572,256. Published Feb. 12, 1952. Class 37.

560,069. Artificial Fish Lures. Karl R. Larson, doing business as Larson Bait Company, Aitkin, Minn.
Filed Jan. 27, 1949, Serial No. 572,907. Published Mar. 18, 1952. Class 22.

560,070. Die Steel. Latrobe Electric Steel Company, Latrobe, Pa.
Filed Feb. 12, 1949, Serial No. 573,781. Published Mar. 25, 1952. Class 14.

560,071. Writing Paper. Byron Weston Company, Dalton, Mass.
Filed Feb. 17, 1949, Serial No. 574,070. Published Feb. 26, 1952. Class 37.

560,072. Chemically Resistant Thermoplastic Synthetic Resinous Floor Coating Material in Liquid or Mastic Form. Rock-Tred Corporation, Chicago, Ill.
Filed Mar. 15, 1949, Serial No. 575,490. Published May 29, 1951. Class 16.

560,073. Food Gelatine in Bulk Form for Use in the Meat Packing Trade. B. Young & Company Limited, London, England.
Filed Apr. 27, 1949, Serial No. 577,838 Published Mar. 18, 1952. Class 46.

560,074. Edible Pastry Cups. Maryland Baking Company, Inc., Baltimore, Md.
Filed May 11, 1949, Serial No. 578,607. Published Mar. 18, 1952. Class 46.

560,075. Acidproof and Anti-Corrosive Rubber Base Coating Preparation, Used To Coat Floors or Tank Surfaces. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa.
Filed June 9, 1949, Serial No. 580,179. Published Mar. 4, 1952. Class 16.

560,076. Fresh and Dried Chestnuts, and Fresh Fruits and Vegetables. S. E. C. A. Società Esportazione Castagne e Affini, Cuneo, Italy.
Filed June 24, 1949, Serial No. 581,030. Published Apr. 1, 1952. Class 46.

560,077. Apparatus Used in Connection With the Servicing of Automobiles for Marking Service Record Cards To Indicate Recommended Service Operations, Etc. The Case History, Detroit, Mich.
Filed July 1, 1949, Serial No. 581,404. Published Mar. 4, 1952. Class 26.

560,078. Fluids for Use in Correcting Stencils, Stencils, and Styluses Used in Marking Stencils. Polychrome Corporation, Yonkers, N. Y.
Filed Aug. 30, 1949, Serial No. 584,249. Published Jan. 29, 1952. Class 37.

560,079. Canned Fish. Ingvar Tokstad, doing business as A/S Normanna Packers Union Ltd., Miami, Fla.
Filed Oct. 10, 1949, Serial No. 586,069. Published Feb. 26, 1952. Class 46.

560,080. Eyeglasses — Namely, Sunglasses. Willson Products, Inc., Reading, Pa.
Filed Oct. 18, 1949, Serial No. 586,508. Published Mar. 4, 1952. Class 26.

560,081. Tubings, Casings and Bags Made of Plastic and Used as Containers. The Visking Corporation, Chicago, Ill.
Filed Nov. 1, 1949, Serial No. 587,135. Published Mar. 11, 1952. Class 2.

560,082. Flavoring Extracts, Flavoring Oils, Flavoring Syrups, Flavoring Emulsions, and Flavoring Concentrates, All for Use as Flavors for Food or Food Beverages. Alex Groot, doing business under the firm name Essencefabriek Alex Groot, Rotterdam, Netherlands.
Filed Nov. 18, 1949, Serial No. 588,025. Published Mar. 18, 1952. Class 46.

560,083. Fresh Grapes. Barr Packing Company, Sanger, Calif.
Filed Nov. 25, 1949, Serial No. 588,267. Published Mar. 18, 1952. Class 46.

560,084. Ice Cream, Chocolates, Milk Cocoa; Bakery Products and Pastries—Namely, Pies and Cakes; Prepared Mustard; Fried Clams; and Frankfurt Rolls. Howard D. Johnson Company, Quincy, Mass.
Filed Dec. 14, 1949, Serial No. 589,314. Published Mar. 4, 1952. Class 46.

560,085. Ice Cream and Ice Cream Bars; Candies, Etc. Howard D. Johnson Company, Quincy, Mass.
Filed Dec. 14, 1949, Serial No. 589,316. Published Mar. 4, 1952. Class 46.

560,086. Blank and Partially Printed Gummed Labels. Oxford Filing Supply Co., Inc., Garden City, N. Y.
Filed Dec. 16, 1949, Serial No. 589,468. Published Mar. 18, 1952. Class 37.

560,087. Draperies—Namely, Window and Shower Curtains, Curtains for Doorways. Fluegelman-Riverdale, Inc., doing business as Riverdale Mfg. Co., New York, N. Y.
Filed Dec. 22, 1949, Serial No. 589,780. Published Apr. 1, 1952. Class 42.

560,088. Facial Tissue, Household Paper Towels, and Bathroom Tissue. American Stores Company, Philadelphia, Pa.
Filed Dec. 29, 1949, Serial No. 590,060. Published Mar. 18, 1952. Class 37.

560,089. Frozen Oysters Prepared for Frying. Louis D. Caracciolo, Blue Anchor, N. J., assignor to Blue Anchor Co., Inc., Blue Anchor, N. J., a corporation of New Jersey.
Filed Jan. 9, 1950, Serial No. 590,545. Published Mar. 18, 1952. Class 46.

560,090. Protective Floor Coating. Universal Paint & Varnish Company, Huntington Park, Calif.
Filed Jan. 10, 1950, Serial No. 590,627. Published Mar. 4, 1952. Class 16.

560,091. Floats for Water Closet Tanks, Foot Baths, Nozzles for Watering Devices. Stokes Molded Products, Inc., Trenton, N. J.
Filed Jan. 28, 1950, Serial No. 591,642. Published Mar. 18, 1952. Class 13.

560,092. Series of Fountain Pens and Ink Well Combinations and Paper Pads, Mounted on a Counter Display Stand, Used in Selecting Proper Point Sizes. The Esterbrook Pen Company, Camden, N. J.
Filed Feb. 8, 1950, Serial No. 592,138. Published Feb. 26, 1952. Class 37.

560,093. Dill Pickles. A. Gross & Sons, Philadelphia, Pa.
Filed Feb. 15, 1950, Serial No. 592,487. Published Mar. 18, 1952. Class 46.

560,094. Puzzle Key Chains. Lional Plastics Corporation, New York, N. Y.
Filed Feb. 17, 1950, Serial No. 592,642. Published Mar. 18, 1952. Class 13.

560,095. Check Form and Correspondence Envelope. Loyal M. Bach, doing business under the firm name and style of Reserva-Chek Co., Pacific Palisades, Calif.
Filed Mar. 14, 1950, Serial No. 593,905. Published Feb. 26, 1952. Class 37.

560,096. Perforated Paper Tapes and Copy Paper for Automatic Composing Machines, Typewriters, and Letter Writers. Commercial Controls Corporation, Rochester, N. Y.
Filed Mar. 31, 1950, Serial No. 594,952. Published Mar. 18, 1952. Class 37.

560,097. Notebooks and Notebook Paper. Springfield Tablet Manufacturing Company, Springfield, Mo.
Filed Apr. 3, 1950, Serial No. 595,168. Published Feb. 26, 1952. Class 37.

560,098. Heat-Sensitive Cellulosic Sheet Material for Making Duplicate Copies of Typed or Printed Matter, Etc. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Apr. 7, 1950, Serial No. 595,388. Published Mar. 4, 1952. Class 37.

560,099. Letterheads, Brochures, Instruction Manuals for the Airport Business System, Mailing Envelopes and Partially Printed Labels, Desk Calendars, Business Cards, and the Partially Printed Component Parts of the System Such as Schedules, Etc. Leigh Fisher, doing business as Leigh Fisher & Associates, South Bend, Ind.
Filed Apr. 14, 1950, Serial No. 595,718. Published Feb. 26, 1952. Class 37.

560,100. Partially Printed Reference Charts. Maurice H. Lamar, Stephenville, Tex.
Filed Apr. 14, 1950, Serial No. 595,726. Published Mar. 18, 1952. Class 37.

560,101. Laces, Embroideries, and Narrow Woven Fabrics All in the Nature of Findings Intended To Be Utilized in the Fabrication of Clothing and Piece Goods. The American Fabrics Company, Bridgeport, Conn.
Filed Apr. 19, 1950, Serial No. 595,931. Published Mar. 4, 1952. Class 40.

560,102. Stencil Sheets Adapted for Use on Silk Screens for Printing of Designs. Profilm Company, Inc., New York, N. Y.
Filed Apr. 19, 1950, Serial No. 595,980. Published Mar. 18, 1952. Class 37.

560,103. Non-Electric Hair Curlers. S. & S. Leather Company, Incorporated, Colchester, Conn.
Filed Apr. 19, 1950, Serial No. 595,985. Published Feb. 19, 1952. Class 40.

560,104. Steel in the Form of Wire, Strips, Bars, Billets, and Other Shapes. The Carpenter Steel Company, Reading, Pa.
Filed Apr. 13, 1950, Serial No. 596,013. Published Mar. 25, 1952. Class 14.

560,105. Tar Paper for Wrapping and Storage Purposes. Roseth Corporation, New York and Brooklyn, N. Y.
Filed May 8, 1950, Serial No. 597,100. Published Mar. 4, 1952. Class 37.

560,106. Articles of Rainwear—Namely, Raincoats for Men, Women, and Children. Saul Bros., Atlanta, Ga.
Filed May 25, 1950, Serial No. 598,109. Published Mar. 18, 1952. Class 39.

560,107. Paper and Paper Products—Namely, Blotting Paper, Tag Board, Chocolate Layer Board, Wrapping Paper, Adding Machine Paper, Scratch Pads, Shipping Tags, Paper Towels, Pattern Paper, Tissue Paper, Toilet Paper, Waterproof Paper, and Waxed Paper. Hooper Paper & Twine Co., Inc., Philadelphia, Pa.
Filed May 26, 1950, Serial No. 598,183. Published Feb. 26, 1952. Class 37.

560,108. Metal Farm Gates. Walker W. Goode, Humphrey, Nebr.
Filed May 27, 1950, Serial No. 598,250. Published Mar. 18, 1952. Class 13.

560,109. Starch Coated Book Paper. Atlantic Paper Company, Philadelphia, Pa.
Filed June 14, 1950, Serial No. 599,074. Published Mar. 18, 1952. Class 37.

560,110. Composition Books, Notebooks, and Loose-Leaf Binders. S. H. Kress and Company, New York, N. Y.
Filed June 20, 1950, Serial No. 599,440. Published Mar. 18, 1952. Class 37.

560,111. Electrical Measuring Instruments—Namely, Ammeters, Ohmmeters and Voltmeters. Marion Electrical Instrument Company, Manchester, N. H.
Filed July 6, 1950, Serial No. 600,296. Published Mar. 18, 1952. Class 26.

560,112. Measuring Gauges, Apparatus, Instruments and Accessories for Measuring and Testing Dimensions, Angles and Shapes—Namely, Caliper Gauges, Etc. Coventry Gauge & Tool Company Limited, Coventry, England.
Filed July 18, 1950, Serial No. 601,126. Published Feb. 26, 1952. Class 26.

560,113. Partially Printed Record Books for Bowlers. Fastex, Incorporated, Cleveland, Ohio.
Filed Aug. 9, 1950, Serial No. 601,987. Published Feb. 26, 1952. Class 37.

560,114. Adjustable Metal Tracks With Sliding Plates, for Window Frames, to Which Curtains, Drapes, and Shades Are Affixed. Annette C. Hamill, Bethlehem, Pa.
Filed Aug. 16, 1950, Serial No. 602,259. Published Mar. 25, 1952. Class 13.

560,115. Bed Springs, Crib Springs, Covered Box Springs, Spring Mattresses for Beds and Cribs and Spring Units for Box Springs and Bed and Crib Mattresses. Darling Carriage Co., Inc., New York, N. Y.
Filed Aug. 30, 1950, Serial No. 602,933. Published Apr. 1, 1952. Class 32.

560,116. Frangible Targets for Use in Rifle and Pistol Shooting. Packaged Products Corporation, New York, N. Y.
Filed Sept. 7, 1950, Serial No. 603,248. Published Mar. 18, 1952. Class 22.

560,117. Dinette Sets in Chrome and Wood. National Chair Co., Whitman, Mass.
Filed Sept. 21, 1950, Serial No. 603,848. Published Apr. 1, 1952. Class 32.

560,118. Berry Preserves. Glaser, Crandell Co., Chicago, Ill.
Filed Sept. 23, 1950, Serial No. 603,921. Published Mar. 25, 1952. Class 46.

560,119. Ladies' Hosiery. Clyde R. Houser, East Mauch Chunk, Pa.
Filed Sept. 26, 1950, Serial No. 603,999. Published Mar. 18, 1952. Class 39.

560,120. Washing, Polishing, Cleaning, and Dusting Cloths. The Simoniz Company, Chicago, Ill.
Filed Sept. 30, 1950, Serial No. 604,272. Published Mar. 25, 1952. Class 29.

560,121. Foundry Chaplets. The Canton Chaplet and Manufacturing Company, Canton, Ohio.
Filed Oct. 5, 1950, Serial No. 604,466. Published Mar. 4, 1952. Class 14.

560,122. Foundry Chaplets. The Canton Chaplet and Manufacturing Company, Canton, Ohio.
Filed Oct. 5, 1950, Serial No. 604,470. Published Mar. 4, 1952. Class 14.

560,123. Textile Fabrics in the Piece—Namely, Denims. Cone Export and Commission Co., Inc., New York, N. Y.
Filed Oct. 7, 1950, Serial No. 604,572. Published Apr. 1, 1952. Class 42.

560,124. Women's and Misses' Wearing Apparel—Namely, Dresses, Coats, Fur Coats, Etc. The Tailored Woman, Inc., New York, N. Y.
Filed Sept. 12, 1950, Serial No. 604,885. Published Mar. 25, 1952. Class 39.

560,125. Cotton Fabrics. Goldfarb Bros., New York, N. Y.
Filed Oct. 16, 1950, Serial No. 604,967. Published Apr. 1, 1952. Class 42.

560,126. Mailing Envelopes. Mail-Well Envelope Company, Portland, Oreg.
Filed Oct. 16, 1950, Serial No. 604,980. Published Feb. 26, 1952. Class 37.

560,127. Weighing Machines. Pneumatic Scale Corporation, Limited, Quincy, Mass.
Filed Oct. 17, 1950, Serial No. 605,050. Published Mar. 18, 1952. Class 26.

560,128. Steak Marinade or Seasoning Sauce, the Principal Ingredients of Which are Red Chili, Garlic, Cottonseed Oil, and Wine Vinegar. El Poche Cafe, San Gabriel, Calif.
Filed Oct. 27, 1950, Serial No. 605,472. Published Mar. 18, 1952. Class 46.

560,129. Partially Printed Checks Issued by a Credit Organization for Use in Credit Buying From Member Stores. Credo-Chek System, Inc., Seattle, Wash.
Filed Oct. 28, 1950, Serial No. 605,548. Published Dec. 4, 1951. Class 37.

560,130. Ladies' Slips Made of Rayon or Rayon and Nylon. Grayson-Robinson Stores, Inc., New York, N. Y.
Filed Nov. 1, 1950, Serial No. 605,738. Published Mar. 18, 1952. Class 39.

560,131. Pickled Fish Known as "Cut Lunch." A. F. Schwahn & Sons Co., Eau Claire, Wis.
Filed Nov. 1, 1950, Serial No. 605,768. Published Mar. 18, 1952. Class 46.

560,132. Drawing and Tracing Papers. Keuffel & Esser Company, Hoboken, N. J.
Filed Nov. 2, 1950, Serial No. 605,799. Published Feb. 26, 1952. Class 37.

560,133. Drawing Papers. Keuffel & Esser Company, Hoboken, N. J.
Filed Nov. 2, 1950, Serial No. 605,801. Published Feb. 26, 1952. Class 37.

560,134. Millinery Braids. Armand Schwab & Co., Inc., New York, N. Y.
Filed Nov. 4, 1950, Serial No. 605,919. Published Feb. 26, 1952. Class 40.

560,135. Piece Goods of Cotton, Silk, Rayon, Wool, Synthetic Fibres, and Combinations Thereof. Palm Beach Fabrics, Inc., Boynton Beach, Fla.
Filed Nov. 9, 1950, Serial No. 606,169. Published Apr. 1, 1952. Class 42.

560,136. Corn Syrup for Food Purposes. The Hubinger Company, Keokuk, Iowa.
Filed Nov. 10, 1950, Serial No. 606,218. Published Mar. 18, 1952. Class 46.

560,137. Salt Fish. Jos. K. Dennis, Boston, Mass.
Filed Nov. 16, 1950, Serial No. 606,458. Published Mar. 18, 1952. Class 46.

560,138. Bones or Stays. Anchor Plastics Company, Inc., New York, N. Y.
Filed Nov. 18, 1950, Serial No. 606,592. Published Mar. 4, 1952. Class 40.

560,139. Coated Paper and Embossed Paper. Narragansett Coated Paper Corporation, Pawtucket, R. I.
Filed Nov. 21, 1950, Serial No. 606,718. Published Mar. 18, 1952. Class 37.

560,140. Custom-Built Kitchen Equipment—Namely, Base Cabinets, Etc. Coppes, Inc., Nappanee, Ind.
Filed Nov. 28, 1950, Serial No. 607,007. Published Apr. 1, 1952. Class 32.

560,141. Vinegar. David S. Isrin, doing business as Isrin-Oliver Company, New York, N. Y.
Filed Nov. 29, 1950, Serial No. 607,083. Published Mar. 18, 1952. Class 46.

560,142. Tracing Paper and Cloth, and Drawing Paper. Nobema Products Corporation, New York, N. Y.
Filed Dec. 1, 1950, Serial No. 607,183. Published Mar. 18, 1952. Class 37.

560,143. Bobbie Pins and Hair Pins. Smith Victory Corporation, Buffalo, N. Y.
Filed Dec. 8, 1950, Serial No. 607,454. Published Mar. 18, 1952. Class 40.

560,144. Yarn. Sellers Mfg. Co., Saxapahaw, N. C.
Filed Dec. 27, 1950, Serial No. 608,129. Published Mar. 25, 1952. Class 43.

560,145. Hosiery for Women. Chipman Knitting Mills, Easton, Pa.
Filed Jan. 3, 1951, Serial No. 608,301. Published Mar. 18, 1952. Class 39.

560,146. Apparatus for Remote Indication of Temperature or Pressure. American Machine and Metals, Inc., New York, N. Y., and Sellersville, Pa.
Filed Jan. 10, 1951, Serial No. 608,586. Published Mar. 18, 1952. Class 26.

560,147. Sports Emblems and Sports Letters Made of Textile Material. Empire Sporting Goods Manufacturing Co. Inc., New York, N. Y.
Filed Jan. 18, 1951, Serial No. 608,927. Published Mar. 11, 1952. Class 40.

560,148. Woven Fabric of Rayon or Nylon or Mixtures Thereof, Sold by the Piece. Pedigree Fabrics, Inc., New York, N. Y.
Filed Jan. 18, 1951, Serial No. 608,943. Published Apr. 1, 1952. Class 42.

560,149. Woven Fabric of Rayon or Nylon or Mixtures Thereof, Sold by the Piece. Pedigree Fabrics, Inc., New York, N. Y.
Filed Jan. 18, 1951, Serial No. 608,944. Published Apr. 1, 1952. Class 42.

560,150. Textile Carpets and Rugs. M. J. Whittall Associates, Inc., Worcester, Mass.
Filed Jan. 19, 1951, Serial No. 609,016. Published Apr. 1, 1952. Class 42.

560,151. Human Hair Goods Consisting of Braids, Switches, Chignons, Puffs, Curls, and Transformations. G-H-S. Corporation, New York, N. Y.
Filed Jan. 23, 1951, Serial No. 609,126. Published Mar. 4, 1952. Class 40.

560,152. Textile Carpets and Rugs. M. J. Whittall Associates, Inc., Worcester, Mass.
Filed Jan. 23, 1951, Serial No. 609,154. Published Apr. 1, 1952. Class 42.

560,153. View Finders for Cameras. Paillard Products, Inc., New York, N. Y.
Filed Jan. 25, 1951, Serial No. 609,252. Published Feb. 26, 1952. Class 26.

560,154. Baby Panties, Baby Bloomers, Creepers. Wee Pants, Inc., New York, N. Y.
Filed Jan. 30, 1951, Serial No. 609,428. Published Mar. 18, 1952. Class 39.

560,155. Plantfood in Tablet Form Containing Nitrogen, Phosphoric Acid, and Potash With Various Trace Elements. Atkins & Durbrow, Inc., New York, N. Y.
Filed Jan. 31, 1951, Serial No. 609,429. Published Mar. 11, 1952. Class 10.

560,156. Piece Goods of Rayon, Nylon and/or Wool, or Combinations Thereof. United Merchants and Manufacturers, Inc., New York, N. Y.
Filed Feb. 24, 1951, Serial No. 610,503. Published Mar. 25, 1952. Class 42.

560,157. Toilet Tissue. Crown Zellerbach Corporation, also doing business under the name of National Paper Products Sales Company, San Francisco, Calif.
Filed Feb. 26, 1951, Serial No. 610,513. Published Feb. 26, 1952. Class 37.

560,158. Contact Lenses. Mueller-Welt Contact Lenses, Inc., Chicago, Ill.
Filed Mar. 2, 1951, Serial No. 610,755. Published Mar. 18, 1952. Class 26.

560,159. Crayons. Binney & Smith Company, New York, N. Y.
Filed Mar. 7, 1951, Serial No. 610,951. Published Feb. 12, 1952. Class 37.

560,160. Crayons. Binney & Smith Company, New York, N. Y.
Filed Mar. 7, 1951, Serial No. 610,952. Published Feb. 12, 1952. Class 37.

560,161. Groundwood Printing Paper. International Paper Company, New York, N. Y.
Filed Mar. 8, 1951, Serial No. 611,029. Published Jan. 29, 1952. Class 37.

560,162. Paperboard. The Gardner Board and Carton Co., Middletown, Ohio.
Filed Mar. 15, 1951, Serial No. 611,350. Published Feb. 26, 1952. Class 37.

560,163. Fishing Rods. Researchers Universal, Inc., Sonoma, Calif.
Filed Mar. 19, 1951, Serial No. 611,533. Published Mar. 18, 1952. Class 22.

560,164. Textile Fabrics in the Piece Composed of Rayon, Cotton, Wool, Silk, Linen, Nylon, and Combinations Thereof. Martin Weiner Corp., New York, N. Y., and Clifton, N. J.
Filed Mar. 23, 1951, Serial No. 611,732. Published Apr. 1, 1952. Class 42.

560,165. Seam Binding. Standard Ribbon Co., New York, N. Y.
Filed Mar. 27, 1951, Serial No. 611,863. Published Mar. 4, 1952. Class 40.

560,166. Shotguns, Small Bore Rifles, Small Bore Rifles for Competition, and Cartridges for Such Shotguns and Rifles. Valmet Oy-Valmet Ab, Helsinki, Finland.
Filed Mar. 28, 1951, Serial No. 611,924. Published Mar. 4, 1952. Class 9.

560,167. Stationery in the Nature of Writing Paper and Envelopes Therefor. Stuart Hall Company, Inc., Kansas City, Mo.
Filed Mar. 30, 1951, Serial No. 612,043. Published Feb. 26, 1952. Class 37.

560,168. Valves—Namely, Relief Valves, Gate Valves, and Plug Valves. Cameron Iron Works, Inc., Houston, Tex.
Filed Apr. 2, 1951, Serial No. 612,120. Published Dec. 11, 1951. Class 13.

560,169. Partially Printed Receipt Books. Wexler Printing Co., Minneapolis, Minn.
Filed Apr. 2, 1951, Serial No. 612,146. Published Feb. 26, 1952. Class 37.

560,170. Partly Finished Needlepoint. James Lees and Sons Company, Bridgeport, Pa.
Filed Apr. 3, 1951, Serial No. 612,170. Published Feb. 26, 1952. Class 40.

560,171. Envelope, Container, and Wrapping Paper. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed Apr. 4, 1951, Serial No. 612,213. Published Feb. 26, 1952. Class 37.

560,172. Envelope, Container, and Wrapping Paper. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed Apr. 4, 1951, Serial No. 612,214. Published Feb. 26, 1952. Class 37.

560,173. Envelope, Container, and Wrapping Paper. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed Apr. 4, 1951, Serial No. 612,215. Published Feb. 26, 1952. Class 37.

560,174. Envelope, Container, and Wrapping Paper. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed Apr. 4, 1951, Serial No. 612,216. Published Feb. 26, 1952. Class 37.

560,175. Manifold Forms With Interleaved Carbon Paper Fastened Together. Uarco Incorporated, Chicago, Ill.
Filed Apr. 4, 1951, Serial No. 612,224. Published Feb. 26, 1952. Class 37.

560,176. Partially Printed Forms—Namely, Accounting and Financial Report Forms, Etc. American Bottlers of Carbonated Beverages, Washington, D. C.
Filed Apr. 5, 1951, Serial No. 612,235. Published Mar. 18, 1952. Class 37.

560,177. Fastening Devices—Namely, Studs, Pins, and Bolts. Remington Arms Company, Inc., Bridgeport, Conn.
Filed Apr. 6, 1951, Serial No. 612,354. Published Mar. 25, 1952. Class 13.

560,178. Carbon Black as a Pigment for the Manufacture of Inks. Godfrey L. Cabot, Inc., Boston, Mass.
Filed Apr. 9, 1951, Serial No. 612,384. Published Mar. 25, 1952. Class 11.

560,179. Accounting Boards. The C. E. Sheppard Company, Long Island City, N. Y.
Filed Apr. 11, 1951, Serial No. 612,517. Published Jan. 29, 1952. Class 37.

560,180. Art Needlework and Painting Kits Containing Fabric Articles With Designs Marked Thereon, Textile Paints, Brush and Stencils. The American Crayon Company, Sandusky, Ohio.
Filed Apr. 12, 1951, Serial No. 612,525. Published Mar. 4, 1952. Class 40.

560,181. Radio Receiving Sets, Electric Fans, and Phonographs. Global Watch Company, Inc., New York, N. Y.
Filed Apr. 14, 1951, Serial No. 612,655. Published Mar. 4, 1952. Class 21.

560,182. Cotton Piece Goods. The Bombay Dyeing & Manufacturing Co. Ltd., Bombay, India.
Filed Apr. 16, 1951, Serial No. 612,679. Published Apr. 1, 1952. Class 42.

560,183. Closures and Fasteners Made From Non-Precious Metals for Wearing Apparel—Namely, Buttons, Snap Fasteners, Etc. Koh-I-Noor, Spojené Kovoprúmyslové Závody, Národní Podnik, also doing business under the name Koh-I-Noor United Metal Ware Factories, National Corporation, Praha, Czechoslovakia.
Filed Apr. 28, 1951, Serial No. 613,296. Published Mar. 4, 1952. Class 40.

560,184. Ground Flat Metal Stock. The Capewell Manufacturing Company, Hartford, Conn.
Filed May 4, 1951, Serial No. 613,501. Published Mar. 4, 1952. Class 14.

560,185. Cheese and Cracker Sandwiches. Valley-Maid Packing Co. Inc., Phoenixville, Pa.
Filed May 4, 1951, Serial No. 613,538. Published Mar. 18, 1952. Class 46.

560,186. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed May 11, 1951, Serial No. 613,759. Published Apr. 1, 1952. Class 42.

560,187. Fountain Pens, Mechanical Pencils, Pen Desk Sets, and Filling Mechanisms for Fountain Pens. The Parker Pen Company, Janesville, Wis.
Filed May 12, 1951, Serial No. 613,822. Published Mar. 4, 1952. Class 37.

560,188. Writing, Printing, Wrapping, Label, and Packaging Paper. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed May 21, 1951, Serial No. 614,158. Published Feb. 26, 1952. Class 37.

560,189. Hosiery Impregnated to Make Them Odor and Perspiration Resistant. Warren Knitting Mills, Inc., New York, N. Y.
Filed May 26, 1951, Serial No. 614,415. Published Mar. 18, 1952. Class 39.

560,190. Paper Towels and Bathroom Tissue. Publishers' Paper Co., Oregon City, Oreg.
Filed May 28, 1951, Serial No. 614,466. Published Jan. 29, 1952. Class 37.

560,191. Hat Braids. Henry Pollak, Inc., New York, N. Y.
Filed May 29, 1951, Serial No. 614,512. Published Feb. 5, 1952. Class 40.

560,192. Men's and Boys' Pajamas. Lubin-Weeker Co., Inc., New York, N. Y.
Filed May 31, 1951, Serial No. 614,558. Published Mar. 18, 1952. Class 39.

560,193. Metal Drawers, Specifically Cabinet Drawers, Compartmented Cabinet Drawers, and Multiple Cabinet Drawer Combinations. Washington Steel Products, Inc., Tacoma, Wash.
Filed May 31, 1951, Serial No. 614,592. Published Apr. 1, 1952. Class 32.

560,194. Barrettes and Hair Combs. H. Goodman & Sons, Inc., Jersey City, N. J., and New York, N. Y.
Filed June 2, 1951, Serial No. 614,659. Published Feb. 5, 1952. Class 40.

560,195. Ground Beef Extender Consisting of Soy Flour, Whole Wheat Flour, Milk Powder, Brewers' Yeast, Sugar Cane Molasses, and Corn Glucose. William Spencer Bowen, doing business under the name of Bowen & Company, Westfield, N. J.
Filed June 5, 1951, Serial No. 614,748. Published Mar. 18, 1952. Class 46.

560,196. Household Furniture—Namely, Chests, Bureaus, Chests of Drawers, Bookcases, Desks, Cabinets, Tables, Stands, Shelves in the Nature of Furniture, and Racks in the Nature of Furniture. Penron, Inc., New York, N. Y.
Filed June 5, 1951, Serial No. 614,784. Published Apr. 1, 1952. Class 32.

560,197. Rayon Shoelaces. Joyal and Van Dale Co., Pawtucket, R. I.
Filed June 9, 1951, Serial No. 614,989. Published Feb. 5, 1952. Class 40.

560,198. Wall Paper. Isgo Wall Paper Corporation, Chicago, Ill.
Filed June 12, 1951, Serial No. 615,068. Published Mar. 18, 1952. Class 37.

560,199. Wall Paper. Isgo Wall Paper Corporation, Chicago, Ill.
Filed June 12, 1951, Serial No. 615,069. Published Feb. 12, 1952. Class 37.

560,200. Hard Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair. American Hard Rubber Company, Hempstead and New York, N. Y.
Filed June 13, 1951, Serial No. 615,103. Published Mar. 18, 1952. Class 40.

560,201. Hard Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair. American Hard Rubber Company, Hempstead and New York, N. Y.
Filed June 13, 1951, Serial No. 615,104. Published Feb. 12, 1952. Class 40.

560,202. Kraft Papers. Brown Company, Berlin, N. H.
Filed June 14, 1951, Serial No. 615,152. Published Feb. 12, 1952. Class 37.

560,203. Fresh Milk; Cream; Cheese; Chocolate Drink, Containing Milk, Chocolate Syrup, and 1.5% Butter-Fat; Buttermilk; Oleomargarine. Mrs. Tucker's Foods, Inc., Sherman, Tex., assignor to Anderson, Clayton & Co., Wilmington, Del., a corporation of Delaware.
Filed June 19, 1951, Serial No. 615,422. Published Feb. 26, 1952. Class 46.

560,204. Paper Illustration Board. Blenfang Products Corporation, Metuchen, N. J.
Filed June 20, 1951, Serial No. 615,437. Published Mar. 25, 1952. Class 37.

560,205. Bust Pads, Shoulder Pads, Shoulder Straps, and Corset Accessories—Namely, Corset Stays, Corset Adjustors, Hook and Eye Tape, Detachable Garters, and Corset Laces. The Formfit Company, Chicago, Ill.
Filed June 20, 1951, Serial No. 615,449. Published Feb. 5, 1952. Class 40.

560,206. Plastic Type Paints and Coatings Packed in Pressurized Containers; Shingle Paint Coatings; and Container Linings of Phenol-Formaldehyde Resin Solutions Used Primarily for Coating the Inside of Steel Pails and Drums To Provide a Protective Lining Therefor. Protective Coatings Corporation, Des Plaines, Ill.
Filed June 21, 1951, Serial No. 615,500. Published Mar. 4, 1952. Class 16.

560,207. Fresh Vegetables—Namely, Lettuce, Tomatoes, Green Beans, Carrots, Beets, and Corn. Gulf Distributing Co., Weslaco, Tex.
Filed June 22, 1951, Serial No. 615,549. Published Mar. 18, 1952. Class 46.

560,208. Hair Roll Foundations. Hairnet Corporation of America, New York, N. Y.
Filed June 26, 1951, Serial No. 615,704. Published Mar. 25, 1952. Class 40.

560,209. Tissue Paper for Cleaning Optical Glass. L. Lacroix Fils (London) Ltd., Wembley, England.
Filed June 27, 1951, Serial No. 615,783. Published Feb. 12, 1952. Class 37.

560,210. Brassières, Bathing Suits, and Slips for Women and Girls. Ruth Merzon Fifth Avenue, Inc., New York, N. Y.
Filed June 28, 1951, Serial No. 615,843. Published May 25, 1952. Class 39.

560,211. Garment Buttons. Naus Trimming Co. Incorporated, New York, N. Y.
Filed June 28, 1951, Serial No. 615,847. Published Feb. 26, 1952. Class 40.

560,212. Dimension Gages, Internal and External Dimension Comparators, and Linear Measuring Machines. Niles-Bement-Pond Company, West Hartford, Conn.
Filed June 28, 1951, Serial No. 615,848. Published Feb. 26, 1952. Class 26.

560,213. Plastic Film and Sheets for Use as Wrapping and Packaging Material. The Visking Corporation, Richmond, Va., and Chicago, Ill.
Filed June 30, 1951, Serial No. 615,956. Published Feb. 12, 1952. Class 37.

560,214. Wire Cloth of the Types Suitable for Window Screens. Keystone Wire Cloth Company, Hanover, Pa.
Filed July 3, 1951, Serial No. 616,036. Published Mar. 25, 1952. Class 13.

560,215. Activated, Non-Corrosive Solder. Super Flow Solder Co., Inc., Albany, N. Y.
Filed July 3, 1951, Serial No. 616,064. Published Mar. 4, 1952. Class 14.

560,216. Dinette Sets—Namely, a Table and a Certain Number of Chairs. Boston Table Mfg. Co., Inc., Boston, Mass.
Filed July 10, 1951, Serial No. 616,274. Published Mar. 25, 1952. Class 32.

560,217. Canned Corn and Canned Fruit. Gem Canning Company, Emmett, Idaho.
Filed July 10, 1951, Serial No. 616,284. Published Feb. 19, 1952. Class 46.

560,218. Fresh Citrus Fruits. Bradford Bros., Inc., Placentia, Calif.
Filed July 12, 1951, Serial No. 616,358. Published Feb. 19, 1952. Class 46.

560,219. Misses' and Ladies' Fabric Gloves. Richard H. Harms, doing business as Harms of California Glove Company, San Francisco, Calif.
Filed July 13, 1951, Serial No. 616,426. Published Mar. 25, 1952. Class 39.

560,220. Hat Braids. Henry Pollak, Inc., New York, N. Y.
Filed July 14, 1951, Serial No. 616,509. Published Feb. 19, 1952. Class 40.

560,221. Barbecue Sauces and Salad Dressings. The Flaming Pit, Inc., Denver, Colo.
Filed July 16, 1951, Serial No. 616,556. Published Feb. 19, 1952. Class 46.

560,222. Shoe Laces. Pawtucket Standard Braid, Inc., Pawtucket, R. I.
Filed July 19, 1951, Serial No. 616,678. Published Feb. 19, 1952. Class 40.

560,223. Holsters and Cartridge Carriers. Brauer Bros. Mfg. Co., St. Louis, Mo.
Filed July 23, 1951, Serial No. 616,813. Published Mar. 25, 1952. Class 9.

560,224. Waxed Paper. Protecto Products Co., Inc., Pomona, Calif.
Filed July 25, 1951, Serial No. 616,923. Published Mar. 4, 1952. Class 37.

560,225. Disappearing Typewriter Platforms. All-Steel Equipment Inc., Aurora, Ill.
Filed July 27, 1951, Serial No. 617,005. Published Mar. 11, 1952. Class 32.

560,226. Waxed Paper in Rolls and Sheets. The Crystal Tissue Company, Middletown, Ohio.
Filed July 27, 1951, Serial No. 617,014. Published Mar. 4, 1952. Class 37.

560,227. Household Groups of Furniture of Wood Construction—Namely, Davenports, Sofas, Love Seats, Chairs, Tables, Chests, Cabinets, and Beds. Mueller Furniture Co., Grand Rapids, Mich.
Filed July 31, 1951, Serial No. 617,157. Published Mar. 25, 1952. Class 32.

560,228. Canned Rock Lobster. John Holt & Company, Inc., New York, N. Y.
Filed Aug. 1, 1951, Serial No. 617,198. Published Mar. 18, 1952. Class 46.

560,229. Livestock Feed. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Aug. 10, 1951, Serial No. 617,539. Published Mar. 18, 1952. Class 46.

560,230. Fabric and Leather Gloves. Louis Meyers & Son, Inc., New York, N. Y.
Filed Aug. 10, 1951, Serial No. 617,547. Published Mar. 18, 1952. Class 39.

560,231. Metal Rails and Splice Bars. United States Steel Company, Pittsburgh, Pa.
Filed Aug. 15, 1951, Serial No. 617,737. Published Mar. 4, 1952. Class 14.

560,232. Stencil Sheets. A. B. Dick Company, Niles, Ill.
Filed Aug. 17, 1951, Serial No. 617,787. Published Mar. 11, 1952. Class 37.

560,233. Fabric Gloves for Men, Women, and Children. Louis Meyers & Son, Inc., New York, N. Y.
Filed Aug. 17, 1951, Serial No. 617,806. Published Mar. 25, 1952. Class 39.

560,234. Brassières. Lilyette Brassiere Co. Inc., New York, N. Y.
Filed Aug. 22, 1951, Serial No. 617,964. Published Mar. 25, 1952. Class 39.

560,235. Ladies' Hosiery; Misses' Hosiery; Girls' Hosiery; and Boys' Hosiery. Shreve & Adams, Inc., New York, N. Y.
Filed Aug. 24, 1951, Serial No. 618,056. Published Mar. 18, 1952. Class 39.

560,236. Knitting Yarns of Wool and Worsted. Plymouth Wholesale Dry Goods Corporation, New York, N. Y.
Filed Aug. 25, 1951, Serial No. 618,098. Published Mar. 25, 1952. Class 43.

560,237. Ladies' and Misses' Girdles, Foundation Garments, Garter Belts, and Brassières. Daniel Levitt, New York, N. Y.
Filed Aug. 28, 1951, Serial No. 618,170. Published Mar. 25, 1952. Class 39.

560,238. Buttons (Pearl and Fancy Not Made of Precious Metal), Needles for Hand Use, Snap Fasteners, Etc. S. H. Kress and Company, New York, N. Y.
Filed July 20, 1951 Serial No. 618,265. Published Mar. 25, 1952. Class 40.

560,239. Household and Work Gloves Made of Rubber, Plastic, or Rubber-Coated or Plastic-Coated Fabric. Edmont Manufacturing Company, Coshocton, Ohio.
Filed Aug. 31, 1951, Serial No. 618,291. Published Mar. 25, 1952. Class 39.

560,240. Metal Insect Screening. Keystone Wire Cloth Company, Hanover, Pa.
Filed Sept. 20, 1951, Serial No. 619,024. Published Mar. 18, 1952. Class 13.

560,241. Metal Insect Screening. Keystone Wire Cloth Company, Hanover, Pa.
Filed Sept. 20, 1951, Serial No. 619,025. Published Mar. 18, 1952. Class 13.

560,242. Miniature Three-Dimensional Soldiers, Figures, Models, and Animals for Use as Toys. E. B. Miller Associates, Inc., New York N. Y.
Filed Oct. 13, 1951, Serial No. 619,976. Published Mar. 18, 1952. Class 22.

560,243. Storage Battery Grid Alloy. The Electric Storage Battery Company, Philadelphia, Pa.
Filed Oct. 16, 1951, Serial No. 620,031. Published Mar. 4, 1952. Class 14.

560,244. Toy Set Comprising a Base in the Form of a Fanciful Figure and a Plurality of Covers Delineating Different Characters and Adapted To Be Selectively Buttoned Onto Said Base so as To Change the Representation Thereof. Lucille Emerick, New York N. Y.
Filed Oct. 17, 1951, Serial No. 620,095. Published Mar. 18, 1952. Class 22.

560,245. Playballs of the Kind Designated as Softballs. Rawlings Manufacturing Company, St. Louis, Mo.
Filed Oct. 29, 1951, Serial No. 620,622. Published Mar. 18, 1952. Class 22.

560,246. Wool Fabrics in the Piece. Miron Mills, Inc., Clinton, Mass.
Filed Oct. 30, 1951, Serial No. 620,679. Published Mar. 25, 1952. Class 42.

560,247. Wool Fabrics in the Piece. Miron Mills, Inc., Clinton, Mass.
Filed Oct. 30, 1951, Serial No. 620,680. Published Mar. 25, 1952. Class 42.

560,248. Worsted Suitings in the Piece and Cut Lengths. W. P. Willis & Co., Inc., New York, N. Y.
Filed Oct. 31, 1951, Serial No. 620,762. Published Mar. 25, 1952. Class 42.

560,249. Worsted Cloth. Oregon Worsted Company, Portland, Oreg.
Filed Nov. 3, 1951, Serial No. 620,854. Published Apr. 1, 1952. Class 42.

560,250. Piece Goods of Cotton, Rayon, or Mixtures Thereof. Dan River Mills, Incorporated, Danville, Va.
Filed Nov. 7, 1951, Serial No. 620,955. Published Apr. 1, 1952. Class 42.

Service Marks

560,251. Services Rendered by Way of Consultation With and Advice to Customers or Prospective Customers in Relation to Their Engineering and Development Problems Encountered in the Fabrication of Various Products Made From Stainless Steel. Armco Steel Corporation, Middletown, Ohio, by change of name from The American Rolling Mill Company.
Filed July 5, 1947, Serial No. 527,560. Published Mar. 18, 1952. Class 100.

560,252. Instructing Mechanics and Repairmen in Methods of Overhauling and Repairing Internal Combustion Engines, Etc. Perfect Circle Corporation, Hagerstown, Ind.
Filed Oct. 14, 1947, Serial No. 537,819. Published Mar. 18, 1952. Class 107.

560,253. Educational Services for Children of the Age Groups of Nursery School, Kindergarten, and First Grade. Elsie Frisbie Norman, doing business as Kinder Kraft, Kansas City, Mo.
Filed Apr. 18, 1949, Serial No. 577,340. Published Apr. 1, 1952. Class 107.

560,254. Custom Tailoring, Altering and Repairing Men's and Women's Clothing. Phelps-Terkel, Inc., Los Angeles, Calif.
Filed Oct. 3, 1949, Serial No. 585,719. Published Apr. 1, 1952. Class 103.

560,255. Service, Repair, Maintenance, and Towing of Automobiles and Installation of Repair Parts. Chas. E. Vincel Pontiac Co., Inc., St. Louis, Mo.
Filed Dec. 24, 1949, Serial No. 589,929. Published Apr. 1, 1952. Class 103.

560,256. Radio Program Broadcasting Services. WJW, Inc., Cleveland, Ohio.
Filed Mar. 16, 1950, Serial No. 594,086. Published Apr. 1, 1952. Class 104.

560,257. Fertilizer Distribution Service—Namely, Injecting Ammonia Into Irrigation Water in Controlled Amounts Whereby Ammonia Is Distributed to the Soil Surrounding Vegetation. Shell Chemical Corporation, New York, N. Y.
Filed Apr. 5, 1950, Serial No. 595,284. Published Apr. 1, 1952. Class 106.

560,258. Assisting Individuals Affected With Obesity, Through Education, Group Associations and Exchanges and Through Individual Study, Etc. Fatties Anonymous, Inc., New York, N. Y.
Filed Feb. 7, 1951, Serial No. 609,716. Published Mar. 25, 1952. Class 107.

560,259. Assisting Individuals Affected With Obesity, Through Education, Group Associations and Exchanges and Through Individual Study, Etc. Fatties Anonymous, Inc., New York, N. Y.
Filed Feb. 7, 1951, Serial No. 609,717. Published Mar. 25, 1952. Class 107.

560,260. Assisting Individuals Affected With Obesity, Through Education, Group Associations and Exchanges and Through Individual Study, Etc. Fatties Anonymous, Inc., New York, N. Y.
Filed Feb. 7, 1951, Serial No. 609,718. Published Mar. 25, 1952. Class 107.

560,261. Religious Educational Services—Namely, Instructing the Peoples of the World in the Comprehension and Understanding of Cosmology and the Relation of the Planet on Which We Live to the Universe, Etc. Urantia Foundation, Chicago, Ill.
Filed May 14, 1951, Serial No. 613,856. Published Mar. 25, 1952. Class 107.

560,262. Servicing and Repair of Turf Maintenance Equipment—Namely, Power and Hand Mowers, Tractors, and Power Sprayers. George L. Cornell, doing business under the name and style of G. L. Cornell Company, Bethesda, Md.
Filed July 6, 1951, Serial No. 616,162. Published Mar. 25, 1952. Class 103.

560,263. Musical Entertainment Service Rendered by an Instrumental and Vocal Group. Matson Navigation Company, San Francisco, Calif.
Filed July 20, 1951, Serial No. 616,721. Published Mar. 25, 1952. Class 107.

560,264. Services Rendered Manufacturers of All Kinds of Fabric Including Cotton, Etc. Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y.
Filed Sept. 21, 1951, Serial No. 619,070. Published Apr. 1, 1952. Class 106.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

560,265. (Class 16. Protective and Decorative Coatings.) Patek Brothers, Inc., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Oct. 1, 1947; amended to application, Supplemental Register, Sept. 22, 1950, Serial No. 536,436.

HARD-WEAR

For Paint Sold in Liquid Form.
Claims use since May 1913.

560,266. (Class 16. Protective and Decorative Coatings.) Republic Paint & Varnish Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 12, 1947; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 540,897.

CONTRACTOR'S

For Ready Mixed Paint Enamels.
Claims use since May 1929.

560,267. (Class 46. Foods and Ingredients of Foods.) Herman C. Fisher Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, Nov. 20, 1947; amended to application, Supplemental Register, Nov. 25, 1950, Serial No. 541,826.

FISHER'S

Applicant claims ownership of Registration No. 235,460.
For Almonds in the Natural State, Shelled Almonds, Blanched Almonds, and Shelled Walnuts.
Claims use since Feb. 21, 1927.

560,268. (Class 2. Receptacles.) The Mengel Company, Louisville, Ky. Original filed, act of 1946, Principal Register, Dec. 27, 1947; amended to application, Supplemental Register, July 13, 1950, Serial No. 545,588.

Plyshel

For Wood Containers for Beverage Bottles.
Claims use since Sept. 25, 1947.

560,269. (Class 46. Foods and Ingredients of Foods.) Nicholas C. Coan, doing business as Redi-Rice Company and as Texas Food Canners, Houston, Tex. Original filed, act of 1946, Principal Register, Dec. 19, 1947; amended to application, Supplemental Register, Mar. 18, 1952, Serial No. 552,354.

REDI-RICE

Applicant claims ownership of Registration No. 374,049.
For Canned Ready-to-Eat Cooked Rice Containing Added Water, and for a Canned Ready-to-Eat Cooked Spanish-Style Rice Dinner Comprising Fancy Long Grain Rice, Tomato Paste, Onions, Sweet Peppers, Pimentos, Vegetable Oil, Salt, Sugar, Spices, Vinegar and Flavoring.
Claims use since Oct. 17, 1938.

560,270. (Class 46. Foods and Ingredients of Foods.) The Paris Gum Corporation of America, McAllen, Tex., assignor to The Paris Gum Corporation of America, McAllen, Tex., a corporation of Texas. Original filed, act of 1946, Principal Register, Mar. 27, 1948; amended to application, Supplemental Register, Nov. 2, 1951, Serial No. 553,214.

Paris

For Bubble Gum.
Claims use since Sept. 1, 1944.

560,271. (Class 21. Electrical Apparatus, Machines, and Supplies.) Charles Sodora, Chicago, Ill. Original filed, act of 1946, Principal Register, May 21, 1948; amended to application, Supplemental Register, Jan. 30, 1952, Serial No. 557,563.

AUTO-POWER

For Storage Batteries.
Claims use since Mar. 13, 1946.

560,272. (Class 46. Foods and Ingredients of Foods.) Frederic W. Ziv Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, May 21, 1948; amended to application, Supplemental Register, June 6, 1951, Serial No. 557,575.

The freshest thing in town!

For Bread.
Claims use since June 1, 1935.

560,273. (Class 16. Protective and Decorative Coatings.) Wesco Waterpaints, Inc., Berkeley, Calif. Original filed, act of 1946, Principal Register, May 25, 1948; amended to application, Supplemental Register, Nov. 29, 1950, Serial No. 557,804.



The drawing is lined to indicate blue and red.
For Water Paints.
Claims use since Aug. 15, 1947.

560,274. (Class 19. Vehicles.) Parsons Industries, Inc., Traverse City, Mich., assignor to Parsons Corporation, Detroit, Mich., a corporation of Michigan. Original filed, act of 1946, Principal Register, May 28, 1948; amended to application, Supplemental Register, Dec. 26, 1951, Serial No. 558,063.

PARSONS

For Aircraft Rotor Blades.
Claims use since March 1948.

560,275. (Class 32. Furniture and Upholstery.) The Dodge-Dickinson Co., Bloomington, Ill. Original filed, act of 1946, Principal Register, May 29, 1948; amended to application, Supplemental Register, Mar. 6, 1952, Serial No. 558,111.

Dr. Fuller

"Dr. Willard S. Fuller," whose surname and title appear as the mark, consents to register of the same.
For Bedding, Particularly Mattresses.
Claims use since Mar. 14, 1948.

560,276. (Class 46. Foods and Ingredients of Foods.) McVitie & Price Limited, Edinburgh, Scotland. Original filed, act of 1946, Principal Register, July 6, 1948; amended to application, Supplemental Register, Jan. 21, 1952, Serial No. 560,771.

McVITIE & PRICE

Applicant claims ownership of British Registration No. 367,592, dated May 26, 1915.
For Biscuits, Cakes, Oatcakes (Cookies), Rusks, and Shortbread.

560,277. (Class 46. Foods and Ingredients of Foods.) Oswald Jaeger Baking Company, Milwaukee, Wis. Original filed, act of 1946, Principal Register, July 16, 1948; amended to application, Supplemental Register, Aug. 16, 1950, Serial No. 561,572.

SNACK RYE

For Bread, Specifically Rye Bread Baked in Long, Thin Loaves.
Claims use since Jan. 24, 1948.

560,278. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Screw Conveyor Corporation, Hammond, Ind. Original filed, act of 1946, Principal Register, Aug. 16, 1949; amended to application, Supplemental Register, May 28, 1951, Serial No. 563,495.



Applicant claims ownership of Registration No. 385,728.
For Elevating and Conveying Apparatus, Comprising Endless Belt and Carrier Elevating and Conveying Systems and Parts Thereof.
Claims use since June 17, 1933.

560,279. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Screw Conveyor Corporation, Hammond, Ind. Original filed, act of 1946, Principal Register, Aug. 16, 1948; amended to application, Supplemental Register, May 28, 1951, Serial No. 563,496.



Applicant claims ownership of Registration No. 385,729.
For Elevating and Conveying Apparatus Comprising Endless Belt and Carrier Elevating and Conveying Systems and Parts Thereof.
Claims use since July 1, 1937.

560,280. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Screw Conveyor Corporation, Hammond, Ind. Original filed, act of 1946, Principal Register, Aug. 16, 1948; amended to application, Supplemental Register, May 28, 1951, Serial No. 563,497.

SCREW-LIFT

Applicant claims ownership of Registration No. 392,156.
For Elevating and Conveying Apparatus Comprising Helical and Screw Conveyors and Parts Thereof.
Claims use since Oct. 1, 1940.

560,281. (Class 46. Foods and Ingredients of Foods.) Washington Farms Corp., Davisboro, Ga. Original filed, act of 1946, Principal Register, Aug. 24, 1948; amended to application, Supplemental Register, Apr. 8, 1952, Serial No. 563,957.



For Fresh Peaches.
Claims use since May 21, 1948.

560,282. (Class 21. Electrical Apparatus, Machines, and Supplies.) Duro-Test Corporation, North Bergen, N. J. Original filed, act of 1946, Principal Register, Dec. 2, 1948; amended to application, Supplemental Register, Dec. 13, 1951, Serial No. 569,748.

CORNWALL

For Fluorescent Lamps and Fluorescent Lamp Fixtures.
Claims use since Nov. 23, 1948.

560,283. (Class 27. Horological Instruments.) Helbros Watch Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 15, 1948; amended to application, Supplemental Register, Sept. 16, 1950, Serial No. 570,559.

Helbros

Fashion Award

Applicant claims ownership of Registrations Nos. 411,544, 414,881, and 505,782.
For Watches, and Watch Movements.
Claims use since Mar. 31, 1948.

560,284. (Class 46. Foods and Ingredients of Foods.) Harold A. Meyer, doing business as The Demand Products Company, San Francisco, Calif. Original filed, act of 1946, Principal Register, Dec. 22, 1948; amended to application, Supplemental Register, Nov. 14, 1950, Serial No. 570,980.



For Prepared Cake Mixtures.
Claims use since Dec. 3, 1948.

560,285. (Class 26. Measuring and Scientific Appliances.) F. W. Heckert Company, Inc., Dayton, Ohio. Original filed, act of 1946, Principal Register, Apr. 1, 1949; amended to application, Supplemental Register, Dec. 28, 1951, Serial No. 576,493.

LEVL-TRAC

For Grade Indicator Levels for Use on Tractors, Bulldozers, Graders, and the Like, While Performing Such Operations as Grading and Contour Plowing.
Claims use since May 18, 1948.

560,286. (Class 21. Electrical Apparatus, Machines and Supplies.) Charles R. Bowland, doing business as C. R. Bowland Mfg. Co., Spring Valley, Ill. Original filed, act of 1946, Principal Register, Apr. 20, 1949; amended to application, Supplemental Register, Aug. 13, 1951, Serial No. 577,423.

lip-lite

For Combination Mirror and Flashlight.
Claims use since Mar. 26, 1948.

560,287. (Class 22. Games, Toys, and Sporting Goods.) The Handicast Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, May 9, 1949; amended to application, Supplemental Register, Sept. 25, 1951, Serial No. 578,449.

HANDICAST

For Hand-Held Fishing Reel.
Claims use since Jan. 28, 1949.

560,288. (Class 2. Receptacles.) Kayware Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 25, 1949; amended to application, Supplemental Register, Apr. 12, 1952, Serial No. 584,007.

KAYWARE

For Food Handling and Serving Receptacles—Namely, Infants' Cups, Made in Whole or in Part From Molded Plastic Materials.
Claims use since Aug. 2, 1948.

560,289. (Class 44. Dental, Medical, and Surgical Appliances.) Sonco, Inc., Mattapan, Mass. Original filed, act of 1946, Principal Register, Sept. 13, 1949; amended to application, Supplemental Register, Oct. 26, 1951, Serial No. 584,781.

EASY-ON

For Hypodermic Needles.
Claims use since June 1, 1948.

560,290. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Edwin F. Peterson, Kewanee, Ill. Original filed, act of 1946, Principal Register, Sept. 17, 1949; amended to application, Supplemental Register, Aug. 19, 1950, Serial No. 584,993.

Sand Arrester

For Blow Tube Used in Mold Making To Convey Sand From a Core Blowing Machine to a Core Box.
Claims use since Jan. 4, 1949.

560,291. (Class 21. Electrical Apparatus, Machines and Supplies.) Radelco Manufacturing Co., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Apr. 11, 1950; amended to application, Supplemental Register, Apr. 30, 1951, Serial No. 595,557.

BAR-X

For Radio Antennae.
Claims use since Mar. 22, 1950.

560,292. (Class 19. Vehicles.) John Henry Rhoads and Louis Frederick Horvath, Reading, Pa. Original filed, act of 1946, Principal Register, Apr. 29, 1950; amended to application, Supplemental Register, Aug. 21, 1951, Serial No. 596,627.



For Combination Ramp and Chuck Used To Aid in the Mounting of Tire Chains on Automobile Wheels.
Claims use since Mar. 28, 1950.

560,293. (Class 36. Musical Instruments and Supplies.) Westminster Recording Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, Dec. 29, 1951, Serial No. 600,636.

WESTMINSTER

For Grooved Phonograph Records.
Claims use since Apr. 12, 1950.

560,294. (Class 15. Oils and Greases.) Penn-Petroleum Corp., Detroit, Mich. Original filed, act of 1946, Principal Register, July 28, 1950; amended to application, Supplemental Register, Aug. 13, 1951, Serial No. 601,373.



The words "Cutting Fluids" are disclaimed. The drawing is lined for red.
For Cutting Fluids for Machining Operations
Claims use since Mar. 15, 1945.

560,295. (Class 37. Paper and Stationery.) J. Hershkowitz, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 8, 1950; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 601,910.

JASON

For Blackboard Crayons.
Claims use since Jan. 21, 1942.

560,296. (Class 22. Games, Toys, and Sporting Goods.) John Makert, Chicago, Ill. Original filed, act of 1946, Principal Register, Sept. 2, 1950; amended to application, Supplemental Register, Sept. 26, 1951, Serial No. 603,121.

LAMPREY

For Artificial Fish Lures.
Claims use since Aug. 18, 1950.

560,297. (Class 19. Vehicles.) Northwest Metal Products, Inc., Seattle, Wash. Original filed, act of 1946, Principal Register, Oct. 1, 1949; amended to application, Supplemental Register, Jan. 11, 1952, Serial No. 585,678.

Beauty Barrow

The word "Barrow" is disclaimed.
For Wheel-Barrows.
Claims use since Feb. 1, 1949.

560,298. (Class 19. Vehicles.) Don Allen, Buffalo, N. Y. Filed Oct. 25, 1949, Serial No. 586,779.



For New and Used Passenger Automobiles and Motor Vehicle Trucks.
Claims use since Mar. 1, 1948.

560,299. (Class 37. Paper and Stationery.) Hoffmaster Paper Company, Inc., Oshkosh, Wis. Original filed, act of 1946, Principal Register, Dec. 7, 1949; amended to application, Supplemental Register, Apr. 3, 1952, Serial No. 588,954.



For Embossed Folded Paper Napkins.
Claims use since Sept. 2, 1949.

560,300. (Class 51. Cosmetics and Toilet Preparations.) Louise Fabish, New York, N. Y. Filed Dec. 16, 1949, Serial No. 589,439.



Applicant claims ownership of Registration No. 407,943.
For Skin Lotion.
Claims use since 1941.

560,301. (Class 18. Medicines and Pharmaceutical Preparations.) Di-Fram-Ette, Inc., Denver, Colo., assignee of Marie Rose Mayer, doing business as Di-Fram-Ette Company, Inc. Original filed, act of 1946, Principal Register, Dec. 19, 1949; amended to application, Supplemental Register, Jan. 29, 1951, Serial No. 589,585.

di-fram-fill

For Vaginal Antiseptic in Dry Tablet Form.
Claims use since Aug. 19, 1949.

560,302. (Class 21. Electrical Apparatus, Machines, and Supplies.) The Brush Development Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Dec. 22, 1949; amended to application, Supplemental Register, Dec. 14, 1951, Serial No. 589,765.

Featherlite

For Plastic Hook Adapted To Lie Between the Ear and Head of a Human Being and Hold an Earphone Adjacent the Person's Ear.
Claims use since Dec. 6, 1949.

560,303. (Class 22. Games, Toys, and Sporting Goods.) Ashaway Line & Twine Mfg. Co., Ashaway, R. I. Original filed, act of 1946, Principal Register, Dec. 31, 1949; amended to application, Supplemental Register, Sept. 28, 1951, Serial No. 590,215.

ASHAWAY
MULTI-PLY

For Strings for Tennis Rackets, Squash Rackets, Badminton Rackets, and Fish Hook Leaders, Commercial and Sporting Fishing Lines.
Claims use since Apr. 1, 1949.

560,304. (Class 46. Foods and Ingredients of Foods.) Henry S. Levy & Son, Inc., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Jan. 3, 1950; amended to application, Supplemental Register, Nov. 20, 1950, Serial No. 590,275.

LEVY'S
OvenKrust

The drawing is lined for yellow but no claim is made to color.
For Bread.
Claims use since July 2, 1949.

560,305. (Class 37. Paper and Stationery.) Peavy Paper Mills, doing business as White Sail Tissue Mills, Ladysmith, Wis. Original filed, act of 1946, Principal Register, Jan. 19, 1950; amended to application, Supplemental Register, Aug. 31, 1951, Serial No. 591,102.

SOFTERIZED

For Toilet Tissue.
Claims use since Dec. 1, 1949.

560,306. (Class 21. Electrical Apparatus, Machines, and Supplies.) Gustave Alfano, Long Island City, N. Y. Original filed, act of 1946, Principal Register, Feb. 1, 1950; amended to application, Supplemental Register, Dec. 11, 1951, Serial No. 591,760.

COILZIT

For Reels on Which Are Wound Cables for Carrying Electric Current to Any Desired Translating Devices, Such as Tools, Motors and Lamps, and on Which Cables are Wound by Hand, Automatically, or Automatically Under Manual Control.
Claims use since Jan. 26, 1950.

560,307. (Class 2. Receptacles.) Jerome G. Weiland, Evanston, Ill. Original filed, act of 1946, Principal Register, Feb. 1, 1950; amended to application, Supplemental Register, July 21, 1951, Serial No. 591,820.

Coasterette

For Combined Holders and Coaster Supports Substantially Made of Plastics, for Beer-Glasses and the Like.
Claims use since Aug. 1, 1949.

560,308. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Arms Textile Manufacturing Co., Manchester, N. H., and New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 14, 1950; amended to application, Supplemental Register, Sept. 11, 1951, Serial No. 592,409.

ever-shape

For Interlining Fabrics, Made of Cotton and Rayon, With or Without Wool and Hair, or Either of Them.
Claims use since Jan. 11, 1950.

560,309. (Class 21. Electrical Apparatus, Machines, and Supplies.) Bowers Battery and Spark Plug Co., Reading, Pa. Original filed, act of 1946, Principal Register, Feb. 14, 1950; amended to application, Supplemental Register, Nov. 14, 1951, Serial No. 592,413.

Flight Engineered

For Spark Plugs.
Claims use since Oct. 1, 1949.

560,310. (Class 32. Furniture and Upholstery.) B. T. Crump Company, Inc., Richmond, Va. Original filed, act of 1946, Principal Register, Mar. 24, 1950; amended to application, Supplemental Register, Apr. 8, 1952, Serial No. 594,524.

LIFTALID

For Hassocks.
Claims use since September 1949.

560,311. (Class 37. Paper and Stationery.) Pollock Paper Corporation, Dallas, Tex., assignor to Quaker Waxed Products Corporation, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Mar. 2, 1950; amended to application, Supplemental Register, Oct. 21, 1950, Serial No. 593,640.

Kleen-Wrap

For Waxed Paper.
Claims use since June 1, 1934.

560,312. (Class 12. Construction Materials.) Eutectic Welding Alloys Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 23, 1950; amended to application, Supplemental Register, Sept. 24, 1951, Serial No. 603,915.

FORM-A-JIG

For Putty-Like Material for Holding Metal Parts in Place During Joining Operations.
Claims use since Sept. 5, 1950.

560,313. (Class 44. Dental, Medical, and Surgical Appliances.) Fenwal Laboratories, Inc., Ashland, Mass. Original filed, act of 1946, Principal Register, Oct. 3, 1950; amended to application, Supplemental Register, Nov. 8, 1951, Serial No. 604,360.

BLOOD-PACK

Applicant claims ownership of Registrations Nos. 348,914, 357,568, and 400,621.
For Kits and Packages of Flexible Containers, Flexible Tubing, and Hypodermic and Coupling Needles Constituting Blood Collecting Units, Blood Storing Units and Blood Infusing Units.
Claims use since Aug. 1, 1950.

560,314. (Class 44. Dental, Medical, and Surgical Appliances.) Hazel J. Bronson, doing business as Bronson Cast Boot Co., Garden City, N. Y. Original filed, act of 1946, Principal Register, Oct. 12, 1950; amended to application, Supplemental Register, Mar. 28, 1952, Serial No. 604,760.

BRONSON

For Boot Especially Designed for the Cast-Bound or Bandaged Foot for Sanitary and Protective Purposes.
Claims use since Mar. 7, 1949.

560,315. (Class 22. Games, Toys, and Sporting Goods.) P. H. Carroll, doing business as Carroll-Spinner Company, Corning, Calif. Original filed, act of 1946, Principal Register, Oct. 16, 1950; amended to application, Supplemental Register, Oct. 15, 1951, Serial No. 604,955.

TWIRLER

For Fishing Lure, and Being More Particularly Defined as a Spoon, Blade, or Wings Which Revolves When Drawn Through the Water.
Claims use since Feb. 1, 1948.

560,316. (Class 46. Foods and Ingredients of Foods.) The Jel Sert Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 2, 1950; amended to application, Supplemental Register, Nov. 21, 1951, Serial No. 605,796.

MAKASYRUP

Applicant claims ownership of Registrations Nos. 347,370, 414,955, and 525,336.
For Powder Concentrate for Making Maple-Flavored Table Syrup.
Claims use since Oct. 19, 1950.

560,317. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Miro-Flex Company, Inc., Wichita, Kans. Original filed, act of 1946, Principal Register, Nov. 9, 1950; amended to application, Supplemental Register, Feb. 18, 1952, Serial No. 606,158.

SUREOUT

For Hand Fire Extinguishers.
Claims use since Mar. 15, 1950.

560,318. (Class 39. Clothing.) Max Margolin, New York, N. Y. Filed Nov. 28, 1950, Serial No. 607,030.

"KRIBTOG"

For Infant's Sleeping Bag.
Claims use since Aug. 15, 1949.

560,319. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Fabric Guild of California, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Jan. 13, 1951; amended to application, Supplemental Register, Feb. 4, 1952, Serial No. 608,754.

Fabric Guild
OF CALIFORNIA

For Upholstery and Drapery Fabrics, Sold as Piece Goods, of Cotton, Wool, Silk, Synthetic Fibers and Combinations Thereof.
Claims use since Dec. 1, 1950.

560,320. (Class 46. Foods and Ingredients of Foods.) Cal-Mex Corporation, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Jan. 16, 1951; amended to application, Supplemental Register, Nov. 20, 1951, Serial No. 608,815.

La Mexicana

For Sauces for Food Purposes, the Ingredients of Which Are Principally Tomatoes, Dried Chiles, Garlic, Onions, and Spices With Added Seasonings.
Claims use since Apr. 15, 1940.

560,321. (Class 52. Detergents and Soaps.) Kurt J. Wasserman, doing business as Empire State Specialty Co., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 30, 1951; amended to application, Supplemental Register, Nov. 1, 1951, Serial No. 609,427.

dab-it

For Stain Remover in Stick Form.
Claims use since July 30, 1950.

560,322. (Class 12. Construction Materials.) Cool-Temp Awning Company of Kansas, Inc., Wichita, Kans. Original filed, act of 1946, Principal Register, Feb. 2, 1951; amended to application, Supplemental Register, Mar. 3, 1952, Serial No. 609,537.

COOL TEMP

For Permanent Type Awnings Constructed of Wood and Aluminum.
Claims use since May 21, 1950.

560,323. (Class 10. Fertilizers.) Southern States Cooperative, Inc., Richmond, Va. Original filed, act of 1946, Principal Register, Mar. 13, 1951; amended to application, Supplemental Register, Mar. 7, 1952, Serial No. 611,247.



Applicant claims ownership of Registrations Nos. 347,012 and 347,013.
For Fertilizer.
Claims use since May 23, 1949.

560,324. (Class 50. Merchandise Not Otherwise Classified.) Robert L. Blanchard, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 15, 1951; amended to application, Supplemental Register, Mar. 17, 1952, Serial No. 611,335.



The word "Tent" is disclaimed.
For Tents.
Claims use since Feb. 28, 1951.

560,325. (Class 16. Protective and Decorative Coatings.) Colis R. Grems, doing business under the assumed business name of Grems Mfg. Co., Klamath Falls, Oreg. Original filed, act of 1946, Principal Register, Mar. 19, 1951; amended to application, Supplemental Register, Oct. 31, 1951, Serial No. 611,518.

LIQUID—FOIL

For Water-Proof Paint for Roofs.
Claims use since Apr. 5, 1948.

560,326. (Class 32. Furniture and Upholstery.) Jamestown Metal Products, Inc., Jamestown, N. Y. Filed Apr. 11, 1951, Serial No. 612,499.

JAMESTOWN

For Metal Cabinets, and Counter Tops for Kitchen Use.
Claims use since Jan. 15, 1950.

560,327. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Louis Melind Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 17, 1951; amended to application, Supplemental Register, Mar. 18, 1952, Serial No. 612,747.

ROCK-A-STAMP

For Hand Stamps and Parts Thereof.
Claims use since Mar. 2, 1951.

560,328. (Class 28. Jewelry and Precious-Metal Ware.) Ernest Albert Buck, doing business as Darius-New York, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, May 4, 1951; amended to application, Supplemental Register, Feb. 23, 1952, Serial No. 613,496.

Darius

For Costume Jewelry—Namely, Brooches, Ornamental Pins, Lockets, Necklaces, Pendants, Finger Rings, Neck Chains, Bracelets, and Earrings.
Claims use since Sept. 15, 1945.

560,329. (Class 12. Construction Materials.) Nu-Vent Awning, Inc., Houma, La. Original filed, act of 1946, Principal Register, May 10, 1951; amended to application, Supplemental Register, Mar. 12, 1952, Serial No. 613,729.

Nu Vent

For Ventilated Metal Awnings.
Claims use since Mar. 15, 1950.

560,330. (Class 18. Medicines and Pharmaceutical Preparations.) Makers of Kal, Inc., Los Angeles, Calif. Original filed, act of 1946, Principal Register, May 16, 1951; amended to application, Supplemental Register, Jan. 25, 1952, Serial No. 613,937.

Klorfil

For Personal Deodorants for Internal Use.
Claims use since Aug. 22, 1950.

560,331. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) D. B. Fuller & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 21, 1951; amended to application, Supplemental Register, Feb. 7, 1952, Serial No. 615,490.

SHADOWTONE

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Jan. 9, 1951.

560,332. (Class 21. Electrical Apparatus, Machines, and Supplies.) The Dahlberg Company, Minneapolis, Minn. Filed Oct. 1, 1951, Serial No. 619,456.

Dahlberg

For Coin-Operated Radio Receiving Sets.
Claims use since Sept. 1, 1948.

560,333. (Class 39. Clothing.) Maiden Form Brassiere Co., Inc., New York, N. Y. Filed Nov. 29, 1951, Serial No. 621,832.

YOUNG MOTHER

For Brassières.
Claims use since Mar. 11, 1950.

560,334. (Class 27. Horological Instruments.) The Herschede Hall Clock Co., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Apr. 17, 1952; amended to application, Supplemental Register, May 19, 1952, Serial No. 628,206.

Herschede

For Clocks.
Claims use since July 1, 1910.

Service Marks

560,335. (Class 107. Education and Entertainment.) Arthur Murray, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 30, 1950; amended to application, Supplemental Register, Aug. 3, 1951, Serial No. 605,832.

PARTY TIME
AT
ARTHUR MURRAY'S

Applicant claims ownership of Registration No. 523,645.
For Instructing in Dancing.
Claims use since July 20, 1950.

TRADE-MARK REGISTRATIONS RENEWED

38,480. "SILVER LEAF" AND DRAWING. Registered June 17, 1902. Swift and Company. Re-renewed June 17, 1952, to Swift & Company, Chicago, Ill., a corporation of Illinois. Lard, Shortenings, Butter, Butterin, Oleomargarin, Hams, Bacon, Shoulders, Pressed Meats, Etc. Class 46.

84,728. THE COUNTRY GENTLEMAN. Registered Jan. 2, 1912. Curtis Publishing Company. Re-renewed Jan. 2, 1952, to The Curtis Publishing Company, Philadelphia, Pa., a corporation of Pennsylvania. Agricultural Journal Issued Weekly. Class 38.

85,332. FARMOGERM. Registered Feb. 13, 1912. Earp-Thomas Farmogerm Company, Jersey City and Bloomfield, N. J. Re-renewed Feb. 13, 1952, to Earp-Thomas Laboratories, Inc., Hampton, N. J., a corporation of New Jersey. Cultures of Beneficial Soil Bacteria. Class 10.

86,276. FLEXO. Registered Apr. 30, 1912. Byron Weston Company, Dalton, Mass., a corporation of Massachusetts. Re-renewed Apr. 30, 1952. Writing-Paper. Class 37.

86,440. NEW-SKIN. Registered May 7, 1912. Newskin Company, Brooklyn, N. Y., a corporation of New York. Re-renewed May 7, 1952. Liquid Substitute for Court-Plaster. Class 18.

86,784. CHAMBERLIN. Registered June 4, 1912. Chamberlin Metal Weather Strip Co. Re-renewed June 4, 1952, to Chamberlin Company of America, Detroit, Mich., a corporation of Michigan. Weather-Strips. Class 12.

86,798. FORTUNA. Registered June 4, 1912. Fortuna Machine Company, New York, N. Y., a corporation of New York. Re-renewed June 4, 1952. Annular Knives. Class 23.

87,733. PERFUMIZER. Registered Aug. 6, 1912. The De Vilbiss Manufacturing Company. Re-renewed Aug. 6, 1952, to The DeVilbiss Company, Toledo, Ohio, a corporation of Ohio. Atomizers and Nebulizers. Class 44.

87,776. NUBUCK. Registered Aug. 6, 1912. A. C. Lawrence Leather Co., Boston, Mass. Re-renewed Aug. 6, 1952, to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine. Calfskin, Known in the Trade as "Kip," and Cowhide. Class 1.

273,479. "OBROCK'S OLD-MISSION" ETC. AND DRAWING. Registered Aug. 5, 1930. August Obrock. Renewed Aug. 5, 1950, to Mrs. August Obrock, White Plains, N. Y. Salve Ointment for Treatment of Blood Poison, Eczema, Piles, Chafing, Etc. Class 18.

278,216. SUNWHEAT. Registered Dec. 9, 1930. McCormick Mfg. Co. Limited. Renewed Dec. 9, 1950, to McCormick's Limited, London, Ontario, Canada, a corporation organized under the laws of the Dominion of Canada. Biscuits. Class 46.

282,011. GLEFINA. Registered Apr. 7, 1931. Fernando A. Rubió, Barcelona, Spain. Renewed Apr. 7, 1951. General Tonics, Codliver Oil, Laxative Medicines, Medicines for Diseases of the Respiratory Organs, Etc. Class 18.

290,049. "LAURA SCUDDER'S" AND DRAWING LINED FOR BLUE. Registered Dec. 22, 1931. Scudder Food Products Inc., Los Angeles, Calif. Renewed Dec. 22, 1951, to Scudder Food Products, Inc., Monterey Park, Calif., a corporation of California. Potato Chips. Class 46.

290,190. OLEIDE. Registered Dec. 22, 1931. Oleide Products Company, Brooklyn, N. Y. Renewed Dec. 22, 1951, to Oleide Products Co., Glenwood Landing, N. Y., a firm. Spray Composed of Iodine in Oil and an Iodine Ointment. Class 18.

290,300. "ROSE ART" ETC. Registered Dec. 29, 1931. Zimmerman Apparel Shop, Inc., Wilkes-Barre, Pa., a corporation of Pennsylvania. Renewed Dec. 29, 1951. Dresses, Coats, Suits, Raincoats, Etc. Class 39.

291,813. SICROMAL. Registered Feb. 23, 1932. Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Renewed Feb. 23, 1952, to Rheinische Robrenwerke Aktiengesellschaft, Mulheim/Ruhr, Germany, a corporation organized under the laws of Germany. Iron, Steel and Their Alloys. Class 14.

292,024. "S STOCO" WITHIN CIRCLE DESIGN. Registered Mar. 1, 1932. Jos. Stokes Rubber Co. Renewed Mar. 1, 1952, to Stokes Molded Products, Inc., Trenton, N. J., a corporation of New Jersey. Battery Containers. Class 21.

292,053. REPRESENTATION OF GREEK CHARACTERS KAPPA ALPHA THETA. Registered Mar. 1, 1932. Kappa Alpha Theta, Ithaca, N. Y. Renewed Mar. 1, 1952, to Kappa Alpha Theta Fraternity, Chicago, Ill., a voluntary association. Fraternity Pins, Badges, Rings, Bracelets, Etc. Class 28.

292,065. OLD TRADITION. Registered Mar. 1, 1932. The Geo. T. Stagg Co., Frankfort, Ky. Renewed Mar. 1, 1952, to Schenley Distillers, Inc., New York, N. Y., a corporation of Delaware. Whiskey. Class 49.

292,096. REPRESENTATION OF PAINT BRUSH AND DRAWING LINED FOR RED AND BLACK. Registered Mar. 1, 1932. Wilckes, Martin, Wilckes Company, New York, N. Y. Renewed Mar. 1, 1952, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware. Lamp Black and Carbon Gas Black. Class 6.

292,385. "PIONEER" AND DESIGN. Registered Mar. 15, 1932. The Best Brothers Keene's Cement Company, Medicine Lodge, Kans. Renewed Mar. 15, 1952, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware. Plaster Composed Wholly or Principally of Gypsum Sold in Containers or Bulk. Class 12.

292,610. DIATASTE. Registered Mar. 22, 1932. Shellabarger Grain Products Company, Decatur, Ill. Renewed Mar. 22, 1952, to Spencer Kellogg and Sons, Inc., Buffalo, N. Y., a corporation of New York. Soy Bean Flour. Class 46.

292,629. "GRAVYTONE" ETC. AND DRAWING. Registered Mar. 22, 1932. Carlos Garet. Renewed Mar. 22, 1952, to Gravymaster Company, Inc., Long Island City, N. Y., a corporation of New York. Flavoring Liquid To Brown and Flavor Soups, Stews, and the Like. Class 46.

292,740. CRISSA. Registered Mar. 29, 1932. Forstmann & Huffmann Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,741. CIRCASSA. Registered Mar. 29, 1932. Forstmann & Huffmann Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,743. CRISPA. Registered Mar. 29, 1932. Forstmann & Huffmann Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,747. LERTA. Registered Mar. 29, 1932. Forstmann & Huffmann Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,748. MADJARA. Registered Mar. 29, 1932. Forstmann & Huffmann Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,749. RIMSKA. Registered Mar. 29, 1932. Forstmann & Huffmann Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,771. BONALDA. Registered Mar. 29, 1932. Forstmann & Huffman Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,772. BURMANA. Registered Mar. 29, 1932. Forstmann & Huffmann Company. Renewed Mar. 29, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

292,794. HARVEY'S "H-P-S" ETC. Registered Mar. 29, 1932. Harvey Geroux, Los Angeles, Calif. Renewed Mar. 29, 1952. Pickling Solution for Meat and Meat Products. Class 46.

292,903. D'CENTEGRATOR. Registered Mar. 29, 1932. Simplicity Engineering Company, Durand, Mich., a corporation of Michigan. Renewed Mar. 29, 1952. Crushing Machines for Gravel, Coal, Ore, and Other Friable Materials. Class 23.

292,975. "HARRISMOOR" ETC. AND DESIGN. Registered Apr. 5, 1932. The H. Harris Company, St. Paul, Minn., a corporation of Minnesota. Renewed Apr. 5, 1952. Women's and Children's Cloth and Fur Coats. Class 39.

292,997. HEELO. Registered Apr. 5, 1932. Roman Stripe Mills, Inc., Easton, Pa. Renewed Apr. 5, 1952, to Rosedale Knitting Company, Reading, Pa., a corporation of Pennsylvania. Hosiery. Class 39.

293,194. TESSARA. Registered Apr. 12, 1932. Forstmann & Huffmann Company. Renewed Apr. 12, 1952, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

293,252. SURE-BET. Registered Apr. 19, 1932. National Pectin Products Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 19, 1952. Pectin Stabilizer for Ices and Sherbets. Class 46.

293,255. THRILL. Registered Apr. 19, 1932. George W. Button Corporation. Renewed Apr. 19, 1952, to William Jacobs, doing business as George W. Button Co., New York, N. Y. Perfumes. Class 51.

293,308. DUPRO. Registered Apr. 19, 1932. Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey. Renewed Apr. 19, 1952. Sensitized Black Print Cloth. Class 26.

293,398. "THE AMERICAN MOLDER" AND DRAWING. Registered Apr. 19, 1932. The American Foundry Equipment Company. Renewed Apr. 19, 1952, to American Wheelabrator & Equipment Corporation, Mishawaka, Ind., a corporation of Nebraska. Sand Blasting Machinery for Cleaning Castings and the Like, Rod Straightening and Shearing Machinery, Etc. Class 23.

293,421. DIGESTO-LAC. Registered Apr. 19, 1932. United Drug Company, Boston, Mass. Renewed Apr. 19, 1952, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Medicinal Preparation Consisting of Elixir Lactated Pepsin for the Relief of Indigestion. Class 18.

293,635. "CEL-RAY" ETC. AND DRAWING. Registered May 3, 1932. Schoneberger & Noble, Inc. Renewed May 3, 1952, to American Beverage Corporation, Brooklyn, N. Y., a corporation of Delaware. Nonalcoholic, Maltless Beverage Sold as a Soft Drink. Class 45.

293,679. "FLAX WHEEL" ETC. Registered May 3, 1932. White & Wyckoff Mfg. Company, Holyoke and Riverside, Mass. Renewed May 3, 1952, to White & Wyckoff Mfg. Co., Holyoke, Mass., a corporation of Massachusetts. Writing and Printing Paper, Mailing Envelopes, Etc. Class 37.

293,688. "POP'S" WITH HEAVY UNDERLINE. Registered May 3, 1932. The Hubinger Company, Keokuk, Iowa, a corporation of Iowa. Renewed May 3, 1952. Corn Starch for Food Purposes. Class 46.

293,921. "FISHER'S" ETC. AND DESIGN. Registered May 10, 1932. The Fisher Brothers Company, Cleveland, Ohio, a corporation of Ohio. Renewed May 10, 1952. Butter. Class 46.

294,051. ALL AMERICAN. Registered May 17, 1932. Arnold Bros. Renewed May 17, 1952, to Arnold Bros., Inc., Chicago, Ill., a corporation of Illinois. Sausage, Frankfurters, Pork Sausage, and Canned Meat Loaf Comprised Mainly of Beef and Pork. Class 46.

294,103. "STANTOGS" WITH HEAVY UNDERLINE. Registered May 17, 1932. Standard Romper Co. Inc., New York, N. Y., a corporation of New York. Renewed May 17, 1952. Boys' Suits, Creepers, Rompers, Play Suits, Overalls, and Children's Dresses. Class 39.

294,115. "WARWICK" ETC. AND HERALDIC DESIGN. Registered May 17, 1932. John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 17, 1952. Men's and Boys' Felt and Straw Hats and Cloth Caps, Men's Silk Hats, and Felt and Straw Hats for Women and Children. Class 39.

294,152. "LOS ANGELES SPECIAL" AND DRAWING. Registered May 17, 1932. Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York. Renewed May 17, 1952. Boots and Shoes of Leather, Rubber, and Fabric or Any Combinations Thereof. Class 39.

294,306. GRIDNIC. Registered May 24, 1932. Driver-Harris Company, Harrison, N. J., a corporation of New Jersey. Renewed May 24, 1952. Metallic Wire and Strips for Use for Parts of Radio Tubes. Class 21.

294,411. RED-CAP. Registered May 24, 1932. Noma Electric Corporation, New York, N. Y., a corporation of New York. Renewed May 24, 1952. Electric Lamp Sockets and Christmas Tree Lighting Outfits. Class 21.

294,420. CASWELL'S GRAND OPERA. Registered May 24, 1932. Geo. W. Caswell Co., San Francisco, Calif., a corporation of California. Renewed May 24, 1952. Coffee. Class 46.

294,466. "HOLLY" ETC. AND DESIGN. Registered May 31, 1932. Blackstone Smith, doing business as Holly Chemical Co., Los Angeles, Calif. Renewed May 31, 1952, to B. T. Babbitt Corp., Vernon, Calif., a corporation of California. Cleaning Preparation in Powdered Form for General Household Use. Class 52.

294,494. FREE WHEELER. Registered May 31, 1932. Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York. Renewed May 31, 1952. Rubber Heels and Rubber Soles. Class 39.

294,844. KEEPEZE. Registered June 7, 1932. American Multigraph Co., Wilmington, Del., and Cleveland, Ohio. Renewed June 7, 1952, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Materials and Solutions for Treating Printing Plates To Protect the Surface Thereof From Oxidation or Deterioration. Class 6.

294,845. PLATEX. Registered June 7, 1932. American Multigraph Co., Wilmington, Del., and Cleveland, Ohio. Renewed June 7, 1952, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Materials and Solutions for Treating Printing Plates To Render Them Repellent to Grease, Ink, Et Cetera. Class 6.

294,981. "RIPPLDU". Registered June 14, 1932. Cohn-Hall-Marx Co. Renewed June 14, 1952, to United Merchants and Manufacturers, Inc., New York, N. Y., a corporation of Delaware. Silk Piece Goods. Class 42.

295,081. BLACK GOLD. Registered June 14, 1932. L. J. Miley Company, Chicago, Ill., a corporation of Illinois. Renewed June 14, 1952. Brake Lining. Class 35.

295,388. PREMIER. Registered June 28, 1932. John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 28, 1952. Soft and Stiff Felt Hats and Caps for Men and Boys. Class 39.

295,396. SOYFLAKE. Registered June 28, 1932. Shellabarger Grain Products Company, Decatur, Ill. Renewed June 28, 1952, to Spencer Kellogg and Sons, Inc., Buffalo, N. Y., a corporation of New York. Soy Bean Flour. Class 46.

295,507. AISQUITH. Registered July 5, 1932. Askin Brothers Company. Renewed July 5, 1952, to Askin Brothers Company, Inc., Baltimore, Md., a corporation of Maryland. Hosiery; Underwear for Men, Women, and Children; Sweater Coats, Bathing Suits, Etc. Class 39.

295,517. DU PONT FNH. Registered July 5, 1932. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Renewed July 5, 1952. Military Smokeless Powder. Class 9.

295,524. THE BUY WAY. Registered July 5, 1932. Kresge Department Store Corporation. Renewed July 5, 1952, to Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey. Suits Including Coats and Skirts; Shoes Made of Leather, Rubber, or Fabric and/or Combinations Thereof; Dresses, Etc. Class 39.

295,531. "SPEDE-PAC" AND DESIGN. Registered July 5, 1932. Bloomer Bros. Company, Newark, N. Y., a corporation of New York. Renewed July 5, 1952. Ice Cream Pails of Cardboard. Class 2.

295,565. SMOOTHFLO. Registered July 5, 1932. National Electric Products Corporation, assignor to Phelps Dodge Copper Products Corporation. Renewed July 5, 1952, to Phelps Dodge Copper Products Corporation, New York, N. Y., a corporation of Delaware. Condenser Tubes and Ferrules. Class 13.

295,761. "KAYO" ETC. AND DESIGN. Registered July 12, 1932. Chocolate Products Company, Chicago, Ill., a corporation of Illinois. Renewed July 12, 1952. Chocolate Coating To Be Used for Candy, Ice Cream, Crackers, Cookies, and Similar Items. Class 46.

295,886. EDIPHONE. Registered July 19, 1932. Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. Renewed July 19, 1952. Sound Recording and Reproducing Apparatus and Equipment Consisting of Dictating and Transcribing Machines Especially Designed for Recording and Reproducing Dictation and the Like, Etc. Class 36.

295,966. VOICEWRITER. Registered July 19, 1932. Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. Renewed July 19, 1952. Sound Recording and Reproducing Apparatus Consisting of Dictating and Transcribing Machines Especially Designed for Recording and Reproducing Dictation and the Like. Class 36.

295,976. "BLUE ROCK" AND DRAWING. Registered July 19, 1932. The Chamberlin Cartridge & Target Co., Cleveland, Ohio. Renewed July 19, 1952, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware. Clay Pigeons. Class 22.

296,008. SUPER-SPEED. Registered July 19, 1932. Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 19, 1952. Electric Heating Units, and Stoves and Heaters Embodying Such Units. Class 21.

296,025. "WHITE & WYCKOFF" AND DESIGN. Registered July 19, 1932. White & Wyckoff Mfg. Company, Holyoke and Riverside, Mass. Renewed July 19, 1952, to White & Wyckoff Mfg. Co., Holyoke, Mass., a corporation of Massachusetts. Writing and Printing Paper and Papeteries. Class 37.

296,071. REPRESENTATION OF SHIELD LINED FOR RED AND BLUE. Registered July 19, 1932. National Broom Manufacturing Company, Pueblo, Colo., a corporation of Colorado. Renewed July 19, 1952. Brooms. Class 29.

296,219. SOLEX. Registered Aug. 2, 1932. The "Société Anonyme Solex." Renewed Aug. 2, 1952, to Société Solex, Neuilly-sur-Seine (Seine), France, a society with limited liabilities organized under the laws of France. Measuring Tools—Namely, Calipers, Micrometers, Gauges, Etc. Class 26.

296,277. OFFICIAL UNION LABOR DIRECTORY. Registered Aug. 2, 1932. Edward L. Siekmeier, Oak Park, Ill. Renewed Aug. 2, 1952, to Edward L. Siekmeier, Monroe, Mich. Periodical Publication. Class 38.

296,466. "COLONIAL BANK NOTE" AND DESIGN. Registered Aug. 9, 1932. Dennison & Sons, Long Island City, N. Y., a corporation of New York. Renewed Aug. 9, 1952. Banknotes, Checks, Drafts, Bills of Exchange, and Certificates; Etc. Class 37.

296,618. "HERALDIC" AND DESIGN. Registered Aug. 16, 1932. Krementz & Company, Newark, N. J., a corporation of New Jersey. Renewed Aug. 16, 1952. Collar Buttons, Cuff Buttons, Cuff Links, Etc. Class 28.

296,625. 1000 GRAND. Registered Aug. 16, 1932. Stark & Waddell Packing Corporation. Renewed Aug. 16, 1952, to Stark Packing Corporation, Strathmore, Calif., a corporation of California. Fresh Citrus Fruits. Class 46.

296,814. KREMALOY. Registered Aug. 23, 1932. Krementz & Company, Newark, N. J., a corporation of New Jersey. Renewed Aug. 23, 1952. Tarnish and Corrosion Resisting Metal Alloy Similar in Appearance to Silver and/or White Gold and/or Platinum and Used for Metal Jewelry Such as Wrist Watch Bracelets and the Like. Class 14.

296,852. SUCRETS. Registered Aug. 23, 1932. Sharp & Dohme, Incorporated, Baltimore, Md. Renewed Aug. 23, 1952, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. Medicated Antiseptic Lozenges for Oral Use. Class 18.

296,887. "VALSPAR" ETC. AND DRAWING LINED FOR BLUE, GOLD, RED, AND BLACK. Registered Aug. 23, 1932. Valentine & Company. Renewed Aug. 23, 1952, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. Paint Enamels, Stains, and Varnishes. Class 16.

296,996. P-K. Registered Aug. 30, 1932. Parker-Kalon Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 30, 1952. Nails, Drive Screws, Screws, Drive Pins, Etc. Class 13.

297,052. THE PEPPERELL NEWS SHEET. Registered Aug. 30, 1932. Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Renewed Aug. 30, 1952. Periodical Publication. Class 38.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

294,215. SILVARAY. Registered May 24, 1932. B. Kronish & Bro, Inc., New York, N. Y. Cosmetics—Namely, Nail Polish, Face Cream, Rouge, Etc. Class 51. Corrected as follows: In the Renewal Certificate, line 2, for "Bernard Kronish" read *Bernhard Kronish*.

554,420. HIBDON'S MAGIC REMEDY & DESIGN. Registered Feb. 5, 1952. Hibdon Brothers Medicine Co., Morrison, Tenn. Medicinal Preparation for the Relief of Skin Diseases, Eczema, Poison Oak, Etc. Class 18. Corrected as follows: In the certificate, lines 2 and 14, for "Hibdon Brothers Machine Co." read *Hibdon Brothers Medicine Co.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 292,456. Registered Mar. 15, 1932. B. Beddow and Sons Limited, doing business as Propert's, London, England. Republished by Propert Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland.

The words "Specially Prepared Leather and Saddle Soap" are disclaimed apart from the mark as shown.

See this serial number in Class 52 for goods and mark.

Claims use since October 1887.

Reg. No. 344,945. Registered Apr. 13, 1937. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

The words "Trade-Mark," "Purity," and "Uniformity" are disclaimed apart from the mark as shown.

See this serial number in Class 46 for goods and mark.

Claims use since May 1916.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 367,934. Registered June 6, 1939. Tennessee Furniture Corporation, Chattanooga, Tenn. Republished by Cavalier Corporation, Chattanooga, Tenn., a corporation of Tennessee.

CAVALIER

For Electric Heaters.

Claims use since about Nov. 15, 1937.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 85,420. Registered Feb. 20, 1912. Dixie Cotton Felt Mattress Company, Chicago, Ill. Republished by Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware.

DIXIE

For Mattresses, Bed Box Springs, and Pillows.

Claims use since about the month of October 1907.

Reg. No. 291,466. Registered Feb. 9, 1932. Burton-Dixie Corporation, Chicago, Ill. Republished by Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware.

BurDix

For Padding for Seat Cushions and Mattresses.

Claims use since Sept. 21, 1931.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 339,379. Registered Oct. 6, 1936. Scherl & Roth, Inc., New York, N. Y., assignor to Scherl & Roth, Inc. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

Oskar E. Meinel

For Stringed Instruments—Namely, Violins, Bows, Cellos, Double Basses, and Other Stringed Instruments.

Claims use since October 1926.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 427,293. Registered Feb. 4, 1947. The Bike Web Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SPORTS TRAIL

The word "Sports" is disclaimed apart from the mark as shown.

For Monthly Periodical.

Claims use since Feb. 15, 1946.

CLASS 39

CLOTHING

Reg. No. 336,515. Registered July 7, 1936. The Nobil Shoe Company, Akron, Ohio, a corporation of Ohio. Republished by registrant.

STURDI FLEX

Children's Leather Shoes.

Claims use since about September 1933.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 324,200. Registered May 14, 1935. Botany Worsted Mills, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.



For Woven Fabrics of Wool, Cotton, Silk, Rayon, or Mixtures of These Materials.

Claims use since about Oct. 15, 1933.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 349,930. Registered Sept. 14, 1937. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Maltless, Nonalcoholic Beverages Sold as Soft Drinks and Syrups and Extracts for Making Same.

Claims use since May 1916.

Reg. No. 374,124. Registered Jan. 2, 1940. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

ZAKURA

For Nonalcoholic Carbonated Maltless Beverages, and Syrups, Extracts, and Flavors for Making the Same.

Claims use since March 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 37,976. Registered Mar. 25, 1902. Virol, Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.

VIROL

For Red Bone Marrow and Malt Extract.

Claims use since April 1899.

Reg. No. 87,053. Registered June 25, 1912. Duluth-Superior Milling Company, Duluth, Minn. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.

ZENOTA

For Wheat Flour.

Claims use since Sept. 4, 1902.

Reg. No. 177,204. Registered Dec. 11, 1923. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

GRAPOSYNTH

For Flavoring Extract for Foods.

Claims use since 1919.

Reg. No. 178,416. Registered Jan. 8, 1924. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

VANILLAROME

For Flavoring Extract for Food Purposes.

Claims use since 1919.

Reg. No. 211,460. Registered Apr. 13, 1926. Nutt Brothers, Los Angeles, Calif., a co-partnership. Republished by registrant.



For Cookies and Macaroons.

Claims use since May 1, 1924.

Reg. No. 268,795. Registered Mar. 18, 1930. Paul P. Schoenburg, Salinas, Calif. Republished by registrant.

SHOW BOY

For Fresh Vegetables, Fresh Deciduous Fruit.

Claims use since Oct. 23, 1929.

Reg. No. 299,012. Registered Nov. 15, 1932. Nutt Brothers, Los Angeles, Calif., a co-partnership. Republished by registrant.

OLYMPIC STARS

For Cookies, Small Cakes, and Crackers.
Claims use since July 1, 1931.

Reg. No. 306,474. Registered Sept. 19, 1933. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

VANILLA VERITAS

The word "Vanilla" is disclaimed apart from the mark as shown.
For Pure Vanilla Concentrate for Food Flavoring Purposes.
Claims use since 1924.

Reg. No. 308,603. Registered Dec. 12, 1933. Paul P. Schoenburg, Los Angeles, Calif. Republished by registrant, present address Salinas, Calif.

NINE BROTHERS

For Fresh Vegetables.
Claims use since May 1930.

Reg. No. 314,092. Registered June 19, 1934. Biggar & Biggar, Inc., Fort Myers, Fla. Republished by Biggar & Biggar, Fort Myers, Fla., a firm.

THE CAT'S PAJAMAS



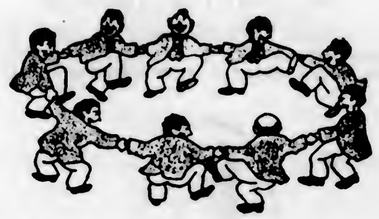
For Fresh Fruits—Namely, Oranges, Tangerines, Limes, Grapefruit, Avocado Pears, Mangoes, and Fresh Vegetables.
Claims use since Nov. 20, 1932.

Reg. No. 344,945. Registered Apr. 13, 1937. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Trade-Mark," "Purity," and "Uniformity" are disclaimed apart from the mark as shown.
For Food Colors, Perfume Raw Materials, Perfume Oil Concentrates, Natural Floral Isolates, and Synthetic Organic Chemicals, Particularly Aromatics.
Claims use since May 1916.

Reg. No. 371,540. Registered Sept. 26, 1939. Paul P. Schoenburg, Salinas, Calif. Republished by registrant.



For Fresh Vegetables.
Claims use since May 15, 1930.

Reg. No. 374,702. Registered Jan. 23, 1940. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

"VANETTE"

For Vanilla Flavoring Powders of All Types, Both Natural and Synthetic, and a Combination of Both, and Used in Food Products and Principally in Ice Cream, Desserts, and Confections.
Claims use since May 1938.

Reg. No. 384,548. Registered Jan. 21, 1941. Paul P. Schoenburg, Salinas, Calif. Republished by registrant.

VITA-SEAL

For Fresh Vegetables, Fresh Deciduous Fruits, Fresh Citrus Fruits.
Claims use since Aug. 2, 1940.

Reg. No. 412,027. Registered Feb. 13, 1945. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

PLANTAROME

For Flavorings Used in Foods and for Food Purposes.
Claims use since September 1943.

Reg. No. 426,395. Registered Dec. 24, 1946. Biggar & Biggar, Fort Myers, Fla., a firm. Republished by registrant.

BLUE SHAWL

For Fresh Vegetables.
Claims use since February 1930.

Reg. No. 442,287. Registered Mar. 22, 1949. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

FRUITOSYNTH

For Flavorings, Known Also as Flavoring Extracts for Food Purposes.
Claims use since May 1, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 354,154. Registered Feb. 1, 1938. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



For Natural and Synthetic Organic Products for Flavoring Extracts, Oils, and Blenders for Alcoholic Beverages.
Claims use since July 1916.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 344,945. Registered Apr. 13, 1937. Florasynth Laboratories, Inc., New York, N. Y., a corporation of New York. Republished by registrant.
The words "Trade-Mark," "Purity," and "Uniformity" are disclaimed apart from the mark as shown.
See this serial number in Class 46 for goods and mark.
Claims use since May 1916.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 292,456. Registered Mar. 15, 1932. B. Beddow and Sons Limited, doing business as Propert's, London, England. Republished by Propert Limited, London, England, a company of the United Kingdom of Great Britain and Northern Ireland.



The words "Specially Prepared Leather and Saddle Soap" are disclaimed apart from the mark as shown.
For Leather and Saddle Soap, Being a Dressing for Leather.
Claims use since October 1887.

PLANT PATENTS

GRANTED JUNE 17, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,105

ROSE PLANT

Edward Marsh, Pasadena, Calif.

Application December 13, 1949, Serial No. 132,685

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant as described and illustrated, characterized as to novelty by the compactness of its foliage wherein the leaves have a deep green color and in new growth have red tips; by the production of flowers which, upon the breaking of the calyx, show for the first day petals of sulphur yellow tinged with pink opening to shades of tangerine and copper orange and on the second day have their upper halves salmon pink and their lower halves remaining yellow and on the third day have their upper halves copper red and their lower halves a pale yellow; and by having an average height of about two feet whereby the plant is particularly adaptable to use as a border or hedge plant.

1,106

CHRYSANTHEMUM PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application May 25, 1951, Serial No. 228,240

1 Claim. (Cl. 47—60)

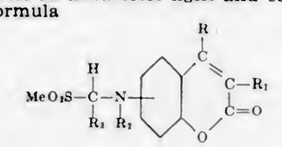
A new and distinct variety of chrysanthemum plant of the decorative type, characterized as to novelty by its hardiness, by its large decorative type flowers of Pale Flesh color overcast with Maize Yellow in general tonality, by the shaggy effect of the flowers resulting from the twisting of each of the long, thin petals, by the long-lasting quality of its flowers and by its freedom of bloom, substantially as herein shown and described.

PATENTS

GRANTED JUNE 17, 1952

2,600,375
AMINO-COUMARIN-SULFONATES
Franz Ackermann, Binningen, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application June 3, 1947, Serial No. 752,277. In Switzerland June 14, 1946
5 Claims. (Cl. 260—344.6)

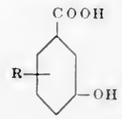
1. A water-soluble amino coumarin derivative which forms an aqueous solution showing fluorescence in ultraviolet light and corresponds to the formula



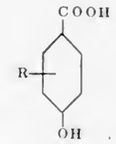
wherein each of R and R_1 is a member selected from the group consisting of hydrogen, alkyl, aryl and aralkyl, R_2 is a member selected from the group consisting of hydrogen and alkyl, R_3 is a member selected from the group consisting of hydrogen, alkyl, aryl and furfuryl, and Me is an alkali metal.

2,600,376
POLYESTERS OF HYDROXYBENZOIC ACIDS
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 26, 1949, Serial No. 129,690
16 Claims. (Cl. 260—47)

1. A process for preparing polyesters comprising condensing, at an elevated temperature and under substantially anhydrous conditions, a hydroxybenzoic acid selected from the group consisting of those represented by the following formulas:



and



wherein R represents a member of the group consisting of a hydrogen atom and methyl, methoxy, ethyl and ethoxy radicals which is attached to the nucleus in a position selected from among the ortho, meta and para positions to the carboxy radical which is not already occupied by the hydroxy radical, in the presence of an alkanoic anhydride containing from 4 to 8 carbon atoms and in the presence of a catalyst selected from the group consisting of $ZnCl_2$, ZnO, the alkali metal oxides and hydroxides and the alkaline earth metal oxides and hydroxides, whereby the polyester obtained has a high molecular weight such that it softens in excess of about 180°–190° C.

2,600,377
PROCESS FOR THE PREPARATION OF SULFONATED COPPER PHTHALOCYANINE DYE
Jonas John Chechak and Charles F. H. Allen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 6, 1948, Serial No. 43,006
2 Claims. (Cl. 260—314.5)

1. The method of making a sulfonated copper phthalocyanine dye, which comprises treating copper phthalocyanine for about two hours with an excess of 15% oleum at 170° to 175° C. in the presence of mercuric sulfate catalyst, cooling and diluting the reaction mixture with water, bringing the mixture to pH about 8, reducing the pH of the mixture to about 5 with acetic acid, cooling the mixture to about 30° C., adding an excess of triphenyl guanidine in hot aqueous alcoholic acetic acid solution to form a guanidine salt of the dye, removing said guanidine salt and dissolving it in ethyl alcohol, then precipitating the sodium salt of the sulfonated copper phthalocyanine from solution.

2,600,378
PREPARATION OF TETRAETHYL PYROPHOSPHATE
Joseph B. Dickey, Rochester, N. Y., and Harry W. Coover, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 14, 1950, Serial No. 156,048
4 Claims. (Cl. 260—461)

3. A process of preparing insecticidal organic phosphorus compounds which comprises heating together a trialkyl phosphate, the alkyl being of 2–4 carbon atoms and acetic anhydride together with 0.001–0.6% of a catalyst selected from the group consisting of boron trifluoride etherate, sulfuric acid, boric anhydride, boric acid and butyl borate, at a temperature within the range of 140–205° C.

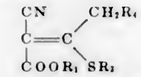
2,600,379
SUPPORTED GROUP VIII-CARBON DEHYDROGENATION CATALYST
Thomas F. Doumani and Roland F. Deering, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 9, 1945, Serial No. 627,796
7 Claims. (Cl. 252—446)

1. A catalyst for the dehydrogenation of hydrocarbons which consists essentially of a major proportion of a porous inactive supporting material and minor proportions of carbon and a free Group VIII metal, said catalyst having been prepared by a process comprising impregnating on said supporting material an aqueous solution of a salt of said metal, heating the impregnated

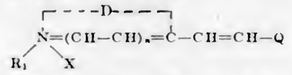
supporting material to convert the adsorbed salt to the oxide and following this by the steps of carbon deposition by decomposition of ethylene thereon prior to use, and reduction to the free metal with hydrogen at an elevated temperature, said carbon deposition having been carried out at a temperature in excess of 400° C. for a sufficient time to decompose a major proportion of the ethylene.

2,600,380
POLYMETHINE DYESTUFFS
Harry Derek Edwards, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company
No Drawing. Application September 22, 1949, Serial No. 117,267. In Great Britain October 2, 1948
20 Claims. (Cl. 260—287)

1. Process for the production of methine dyestuffs which comprises reacting a compound of the general formula:



where R_1 is an alkyl group, R_2 is selected from the class consisting of alkyl and aralkyl groups and R_4 is selected from the class consisting of the hydrogen atom and alkyl groups, with a compound of the general formula:



where Q is selected from the class consisting of the thioether group SR_6 where R_6 is an alkyl group and amino and acetamino groups, R_5 is selected from the class consisting of alkyl and aralkyl groups, X is an acid radicle, n is selected from nought and one and D is the residue of a heterocyclic nitrogen nucleus of the type used in cyanine dyes.

2,600,381
BUTTER COLORING TABLET AND METHOD OF COLORING BUTTER
Leon Adler, Harry A. Reinhardt, and Elwood E. Ponath, St. Louis, Mo., assignors to Dyestuffs and Chemicals, Inc., St. Louis, Mo., a corporation of Missouri
No Drawing. Application September 17, 1949, Serial No. 116,402
11 Claims. (Cl. 99—148)

1. A tablet comprised of a starchy substance compressed to a density of more than one gram per cubic centimeter, and a water-insoluble dye, said tablet being thixotropically dispersible in an aqueous medium.

2,600,382
VINYL STEARATE ALLYL LAURATE COPOLYMER
La Verne N. Bauer and William L. Van Horne, Philadelphia, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 15, 1949, Serial No. 105,041
1 Claim. (Cl. 260—85.7)

A copolymer from vinyl stearate and allyl laurate, the proportion of allyl laurate groups therein being from 0.5 to 10 per vinyl stearate group.

2,600,383
COPOLYMERS FROM ALLYL ESTERS AND METHACRYLIC ESTERS
La Verne N. Bauer, Philadelphia, Harry T. Neher, Bristol, and William L. Van Horne, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 15, 1949, Serial No. 105,042
4 Claims. (Cl. 260—86.1)

1. A copolymer of (A) an ester of an alkanoic acid having a chain of sixteen to twenty-four carbon atoms and an alcohol selected from the class consisting of allyl, methallyl, and 2-chloroallyl alcohols and (B) an ester of methacrylic acid and a saturated aliphatic monohydric alcohol having an alkyl group of six to twelve carbon atoms, the proportion of ester (A) to ester (B) being defined by ratios from one mole of the first ester to one half mole of the latter up to one mole of the first to a number of moles of the latter equal to one third of the number of carbon atoms in the longest chain of the latter.

2,600,384
VINYL ESTER COPOLYMERS
La Verne N. Bauer, Philadelphia, Harry T. Neher, Bristol, and William L. Van Horne, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 12, 1950, Serial No. 161,721
3 Claims. (Cl. 260—85.7)

1. A copolymer of (A) a vinyl ester of a saturated aliphatic monocarboxylic acid, RCOOH, wherein R is an alkyl group having a carbon chain or 15 to 17 carbon atoms, and (B) vinyl laurate, the proportion of (A) vinyl ester units in said copolymer to (B) vinyl laurate units being from 1:1 to 1:10.

2,600,385
VINYL ESTER COPOLYMERS
La Verne N. Bauer and William L. Van Horne, Philadelphia, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 12, 1950, Serial No. 161,722
5 Claims. (Cl. 260—85.7)

1. A copolymer of a vinyl ester (A) of a monocarboxylic acid, RCOOH, wherein R is an alkyl group having a chain length of 15 to 17 carbon atoms, and a vinyl ester (B) of a monocarboxylic acid, R'COOH, wherein R' is an alkyl group having a carbon chain of at least three carbon atoms and containing not over nine carbon atoms, the ratio of vinyl ester (A) groups to vinyl ester (B) groups being from 1:0.5 to $1:n/2$, where n is the number of carbon atoms in the longest chain of the monocarboxylic acid R'COOH.

2,600,386
MALEATE-VINYL LAURATE COPOLYMERS
La Verne N. Bauer, Philadelphia, Harry T. Neher, Bristol, and William L. Van Horne, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 13, 1950, Serial No. 161,904
4 Claims. (Cl. 260—78.5)

1. A copolymer of a maleinoid ester (A), ROOCC(X)=CHCOOR, in which X is a member of the class consisting of hydrogen, chlorine, and the methyl group, and R is an alkyl group having

a carbon chain of 16 to 18 carbon atoms, and of vinyl laurate (B), the ratio of maleinoid ester groups (A) to vinyl laurate groups (B) being from 10:90 to 50:50 by weight.

2,600,387
CARBOXYALKYLATION OF KETONIC COMPOUNDS
Warren L. Beears, Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 28, 1950, Serial No. 170,957
7 Claims. (Cl. 260—483)

1. The method which comprises bringing together in aqueous solution and in the presence of a catalyst selected from the class consisting of the alkali metal hydroxides and alkaline earth metal hydroxides, a saturated aliphatic beta-lactone and a carbonyl containing compound of the formula

$$R-\underset{\underset{O}{\|}}{C}-R_1-\underset{\underset{O}{\|}}{C}-R_2$$

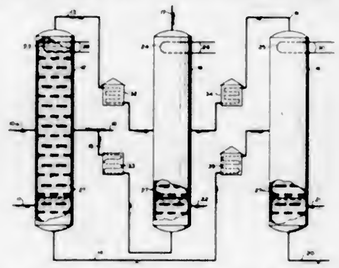
wherein R is a lower alkyl radical, R_1 is a lower alkylidene radical in which at least one reactive hydrogen atom is attached to the carbon atom contiguous to the carbonyl carbon atoms of the ketonic compound and R_2 is a member of the class consisting of hydrocarbon and alkoxy radicals and then acidifying the reaction mixture thereby to produce a compound in which at least one of said reactive hydrogen atoms of said carbonyl containing compound is replaced by a carboxyalkyl radical.

2,600,388
METHOD OF BONDING USING HEAT SEALING PROTEIN ADHESIVES
Arthur C. Beckel and John C. Cowan, Peoria, and Paul A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 5, 1949, Serial No. 85,712
5 Claims. (Cl. 154—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. In a method of bonding two surfaces by coating one or both of said surfaces with bonding material and applying heat and sufficient pressure to insure contact between the two surfaces, the improvement comprising employing as the bonding material an air dry film of an aqueous at least ten percent solids dispersion of a gelable material produced by treating soybean material to remove the oil and the alcohol-soluble material, extracting the residue with water, to separate the gelable material from the water insoluble portion of the residue.

2,600,389
THREE-STAGE PROPANE FRACTIONATION OF REDUCED CRUDE OIL
Bruce C. Benedict, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 23, 1948, Serial No. 66,993
15 Claims. (Cl. 196—14.46)

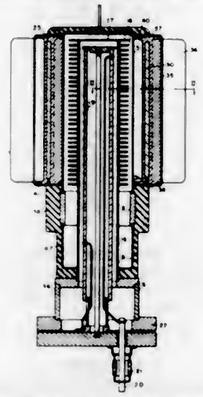
1. A process for fractionating an asphalt-containing crude lubricating oil stock comprising maintaining a body of said oil in a first treating zone, maintaining a body of liquid propane containing dissolved oil above said body of oil in said first zone, said bodies meeting at a common interface, introducing a stream of liquid propane into said body of oil, introducing a stream of said asphalt-containing lubricating oil stock into said body of liquid propane containing dissolved oil at a midpoint of said zone, removing propane containing dissolved oil from the top and asphalt-containing oil from the bottom of said first treating zone; maintaining a body of propane containing dissolved oil in a second treating zone at a temperature higher than the temperature of the body of propane containing dissolved oil in said first zone, maintaining a body of an oil rich phase below said body of propane containing dissolved oil in said second treating zone, said latter two bodies meeting at a common interface, introducing liquid propane into this latter oil rich phase, passing said removed propane containing dissolved oil from said first treating zone into the midpoint of said body of propane containing dissolved oil in said second treating zone, removing propane containing dissolved oil from the top of said second zone and recovering the oil as one



product of the process, removing a stream of oil rich phase from the second treating zone and introducing it into said first treating zone at the point of introduction of said asphalt-containing lubricating oil stock; maintaining a body of propane containing dissolved oil in a third treating zone, maintaining a body of an oil rich phase below said body of propane containing dissolved oil in said third treating zone a said latter two bodies meeting at a common interface, introducing liquid propane into this latter oil rich phase, passing said removed asphalt-containing oil from said first zone into the midpoint of said body of propane containing dissolved oil in said third treating zone, removing propane containing dissolved oil from top of said third zone and passing this removed propane containing dissolved oil into the body of propane containing dissolved oil in said second treating zone, removing oil rich phase from the bottom of said third treating zone and recovering oil containing asphalt as a second product of the process.

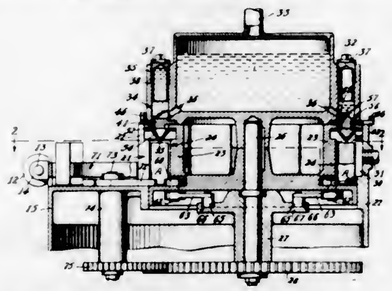
2,600,390
LOW-CAPACITY VAPOR-ELECTRIC DEVICE
John B. Boyer, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 20, 1950, Serial No. 201,783
15 Claims. (Cl. 313—227)

1. A vapor-electric device having an evacuated enclosure-means including an anode-portion of the enclosure-means, a cathode-portion of the enclosure-means, and an insulator-to-metal sealing-means between said anode and cathode portions, a quantity of a discharge-metal selected from the group comprising cesium, rubidium and potassium, a heating-means for heating the active emitting-portion of the cathode, a coolest-surface cooling-means for cooling some internal portion of the device to a temperature which is cooler than any other internal portion of the device during the operation of the device, whereby to provide a condensation-surface for the discharge-metal and to control the operating vapor-pressure of the discharge-metal, and a non-condensing-surface cooling-means for cooling some other internal portion



of the device to a somewhat warmer temperature during the operation of the device, whereby to prevent the condensation of said discharge-metal on said other internal portion; characterized by at least one of said cooling-means including a fusible material having a melting-point at approximately the desired temperature to which said cooling-means holds its associated internal portion of the device.

2,600,391
MACHINE FOR FILLING LIQUIDS IN CONTAINERS IN VACUUM
Walter K. Cabot, Upper Montclair, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 22, 1947, Serial No. 793,112
5 Claims. (Cl. 226—116)



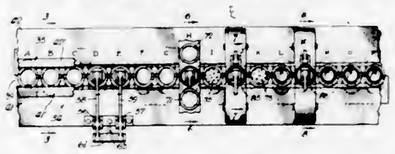
1. A machine for filling containers with liquid contents, comprising a stationary vacuum chamber having means for vacuumizing the same, a pocket communicably connected with said chamber for confining a container to be vacuumized and filled, a liquid supply tank having a measuring chamber communicating therewith, said measuring chamber also communicating with said pocket for partially vacuumizing the measuring chamber through said pocket from said vacuum chamber, liquid passage ports respectively connecting said measuring chamber with said tank and with said pocket, a valve having a liquid port therethrough movably mounted between said measuring chamber and said pocket, said valve being registrable with said liquid passage ports for controlling admission of liquid from said tank to said measuring chamber and from the latter to a container in said pocket through said valve port, means for successively moving said valve to two positions respectively for establishing communication between said measuring chamber and said tank to fill the measuring chamber while simultaneously shutting off communication between the measuring chamber and a container in said pocket, and to fill said container while simultaneously shutting off communication between the measuring chamber and said tank, and means for maintaining said container pocket in communication with said vacuum chamber during both described positions of said valve.

2,600,392
SHAMPOO DEVICE
Theodora S. Cancell, Larchmont, N. Y.
Application December 4, 1945, Serial No. 632,752
4 Claims. (Cl. 4—159)



1. In a device of the class described, an upwardly extending shield adapted to extend about the head of a person being shampooed, a sealing band secured along the lower edge of said shield and having a portion adapted to be adjustably fastened to another portion of said band to bring the band into close fitting and encircling engagement with the head at or adjacent the hairline, a water run-off apron, means for detachably securing said apron in centered position with respect to said sealing band and said shield throughout the range of adjustment of size of said band so as to receive wash water draining from the hair of the person being shampooed and to conduct same to a point of disposal and means for preventing leakage through said securing means.

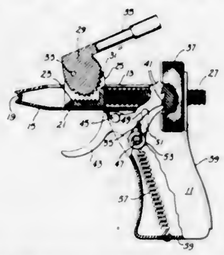
2,600,393
METHOD AND MACHINERY FOR MAKING BOTTLE CAPS
Benno Cohn, Brooklyn, N. Y., assignor to Ferdinand Gutmann & Co., a corporation of New York
Application November 24, 1948, Serial No. 61,866
12 Claims. (Cl. 154—1.5)



1. Bottle capping machinery comprising a drive shaft, a raceway for crown shells, a pair of

shell advancing racks parallel thereto and movable thereunder from opposite sides thereof, operating stations above and along said raceway, said racks each having a plurality of equally spaced laterally extending fingers, successive fingers being spaced a distance slightly greater than the diameter of such crown shells and adapted to straddle the latter with a play between said fingers and such shells, means operatively connected to said drive shaft for imparting to said racks translational movement in opposed circular paths and in opposed phase for intermittent advance of such shells two stations for each cycle of the racks, with a short period of rest intervening between successive advances of such shells, said stations including die means to cut and position center spots in two shells for each cycle of the racks, said die means comprising punch means and sleeve means coacting therewith, associated center spot ribbon feed, cam means operatively connected to said drive shaft, linkage between said cam means and said punch means for operating the latter to cut two center spots, and cam means operatively connected to said drive shaft, linkage between said cam means and said sleeve means for operating the latter to position such shells during such short rest period in each cycle of the racks preparatory to centering the respective spots therein.

2,600,394
WIRE-HOSE-CLAMP APPLYING DEVICE
George E. Conklin, Rushland, Pa.
Application December 4, 1947, Serial No. 789,643
5 Claims. (Cl. 81—9.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A wire-clamping device comprising a frame element forming a handle, a hollow barrel fixed to and extending from said frame element and terminating in a tapered nose portion having a plurality of openings communicating with the interior of said barrel, a clamp carried slidably in said barrel, and trigger-actuated means on said handle to slide said clamp relative said barrel.

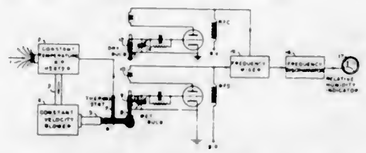
2,600,395
KEYHOLE SPLICE
John Joseph Domoj, Medina, N. Y., and Sidney Rosenberg, Philadelphia, Pa.
Application June 1, 1951, Serial No. 229,468
5 Claims. (Cl. 87—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the terminal eye of a strand, a bite of the strand comprising respective main and terminal lengths thereof forming the several legs of the bite, the terminal length being projected to penetrate through the thickness of the main length at a plurality of points in succession spaced apart along the main length, adjacent penetrations of the terminal length through the main length being angularly displaced with reference to each other around the axis of the main length, angular displacements of successive pene-



trations being in the same direction, portions of the strand in the main and terminal lengths between adjacent penetrations being positioned closely side-by-side.

2,600,396
ELECTRONIC PSYCHROMETER
Harold I. Ewen, United States Navy
Application March 4, 1947, Serial No. 732,366
5 Claims. (Cl. 73—338)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

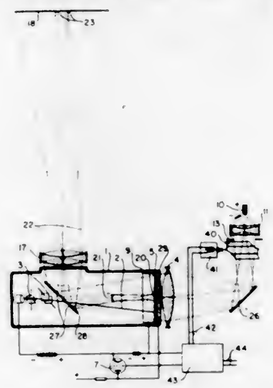


1. An electrical psychrometer comprising wet and dry bulb thermometers, a first means including an oscillator operative to change its frequency as a logarithmic function of the height of the fluid column of the dry bulb thermometer, a second means including a second oscillator operative to change its frequency as a logarithmic function of the height of the fluid column of the wet bulb thermometer, detecting means fed by said first and second means operative to detect the difference between the respective frequencies thereof, and indicating means operative to indicate said difference frequency in terms of relative humidity.

2,600,397
AUTOMATIC REGULATION OF LIGHT FALLING ON DEFORMABLE CATHODE-RAY TUBE SCREEN
Ernst Friedrich Fischer, Zurich, Switzerland
Application December 29, 1947, Serial No. 794,226
In Switzerland December 9, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires December 9, 1959
2 Claims. (Cl. 178—7.5)

1. A television receiver comprising a cathode ray tube, a separate source of light, a deformable optical layer arranged to be swept by the cathode ray, an optical system for projecting the light beam from said source of light onto a screen by way of said deformable layer, the cathode ray acting to deform the optical layer and thereby

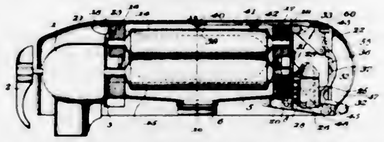
to modulate the light beam pursuant to a received television signal, a diaphragm arranged to block the passage of light to the screen when the television signal is zero, and mechanism for eliminating the contrast-reducing effects of stray light projected from the optical layer onto the screen past the diaphragm even when the television signal is zero, and comprising means for determining the average picture brightness of the individual pictures, a device responsive to



said brightness-determining means for controlling the light stream for reducing the intensity of such stream when the average brightness falls, and mechanism likewise responsive to said brightness-determining means for simultaneously increasing the amplitude of the picture signal received by the cathode ray tube.

2. Apparatus as defined in claim 1, wherein the device for controlling the intensity of the light stream comprises a movable diaphragm arranged in the path of said light stream.

2,600,398
WRINGER PRESSURE APPLYING MECHANISM
Edwin E. Foster, Austin, Tex.
Application August 28, 1946, Serial No. 693,549
13 Claims. (Cl. 68—263)



1. A force applying mechanism for a wringer comprising a pair of rolls and bearings for the rolls, an arm member secured to one of the bearings of the rolls of the wringer and which is movable with the roll toward and away from the other roll, a stationary frame, a pair of spaced links each connected at one end to the stationary frame and the other end to the arm member, a preloaded spring connected at one end to the frame, and a pressure adjusting member pivotally mounted at one end in the arm member and the other end pivotally connected to the other end of the spring, said pressure adjusting member operating the spring to adjust the force between the rolls and to cause separation of the rolls from each other.

2,600,399
CATALYTIC REDUCTION OF CARBON MONOXIDE WITH HYDROGEN
Walter G. Frankenburg, Millersville, Pa., and Edwin T. Layng, New York, N. Y., assignors to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application July 11, 1947, Serial No. 760,498
12 Claims. (Cl. 260—449.6)

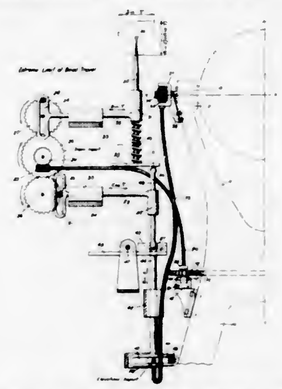
1. In the production of hydrocarbons, oxygenated hydrocarbons and the like, wherein reactant gas containing hydrogen, carbon monoxide and carbon dioxide is passed in contact with an iron synthesis catalyst in a reaction zone maintained under a temperature of from about 500 to about 750° F. and a superatmospheric pressure effective to cause consumption of, at least, about 80% of the carbon monoxide supplied, with formation of desired products of reaction, and the products of reaction are recovered, the improvement wherein the total stream of reactant gas supplied as a feed for passage in contact with the synthesis catalyst contains more than about 15 mol per cent of carbon monoxide and contains less than about 2 mol per cent water vapor based on the total mols of carbon monoxide, hydrogen and carbon dioxide present and is in conformance with the following equation:

$$\log_e (K+50) = -0.1548A - 0.1075G - 0.001512T + \log_e 279.8$$

where:

K is less than 15;
e is the naperian logarithmic base, 2.71828. . . ;
A is equal to the ratio of the mols of hydrogen to the mols of carbon monoxide in the feed gas to the reaction zone;
G is the ratio of the mols of carbon dioxide to the mols of carbon monoxide in the feed gas to the reaction zone; and
T is the absolute temperature of the synthesis reaction in degrees Kelvin;
and separating products of reaction from the effluent gases.

2,600,400
GUN SIGHT
Daniel V. Gallery, Jr., United States Navy
Application April 23, 1941, Serial No. 389,844
2 Claims. (Cl. 33—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gun movable about elevational and azimuthal axes and having a movable sighting ele-

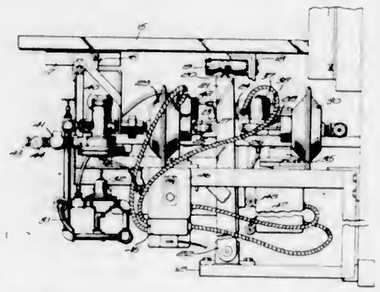
ment, in combination, a pair of confronting plates, a pivotal mount for one of the plates and a structure at one of its sides defining a slot, a system of axially parallel rods, one of the rods carrying the sighting element and engaging the other plate, a second rod having roller contact with the confronting surfaces of the plates, a third rod having a lateral stud riding in the slot structure to accommodate rocking of said one plate, a gear train and means for setting it in operation by the training of the gun in azimuth, crank operated connections between selected gears of the train and the first and second rods for producing a lateral shift of said first and second rods and said other plate, and a terminal crank device for the third rod, being operative by elevation of the gun for producing a unitary axial shift of the three rods accompanied by rocking of the pivoted plate and an axial movement of the remaining plate.

2,600,401

RECIPROCATING HEARTH MECHANISM

Wesley R. Gilbert, Cranston, R. I., assignor to Carl I. Hayes, Providence, R. I.

Application January 15, 1947, Serial No. 722,202
8 Claims. (Cl. 198—220)



1. In a heat treatment furnace, a reciprocable hearth, an actuator device operatively connected to said hearth, coupled high and low pressure hydraulic motors connected to said actuator device for reciprocating said hearth to obtain an accelerating forward movement and a quick decelerating and return movement, means for admitting pressure fluid to said motors in alternative timed relation, means for exhausting the low pressure motor fluid and admitting high pressure fluid to the high pressure motor just prior to the end of forward movement of the hearth, said low pressure motor fluid being exhausted through a regulatable outlet, and said low pressure motor having a relief valve to prevent excess pressures therein during the return movement.

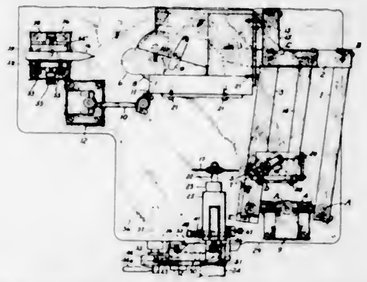
2,600,402

PANTOGRAPH MACHINE TOOL

Cecil M. Griffin, Pittsburgh, Pa.

Application March 31, 1949, Serial No. 84,562
10 Claims. (Cl. 51—100)

1. A pantograph machine of the class described comprising a supporting structure, a system of links pivotally mounted at one point on the supporting structure and constituting a pantograph, the pantograph linkage defining a parallelogram with one of the arms at the end of the parallelogram projecting to provide an extension, a template holder pivotally mounted on said extension, a work holder on the pantograph linkage having its point of pivotal mounting in a line extending between the pivotal axis of the template holder and the pivotal axis on which the pantograph is mounted on the support, a stylus on the support positioned to engage a template mounted in the template holder, a cutting machine in front of the work holder positioned to engage a work piece mounted on the work holder, and an articulated supporting arm pivotally carried on the support and to which the pantograph system is connected at a point which coincides with the pivotal axis of the template holder.



2,600,403

PARTIALLY HYDROGENATED FURFURALDEHYDE - KETONE REACTION PRODUCTS THICKENED UNDER ACIDIC CONDITIONS

Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application February 16, 1950, Serial No. 144,594
11 Claims. (Cl. 260—64)

1. A novel composition of matter capable of being heat converted to the substantially solid and infusible state comprising a mixture of an acidic agent and a partially hydrogenated product selected from the group consisting of (*a*) partially hydrogenated mono-furfuryl ketone, (*b*) partially hydrogenated di-furfuryl ketone, (*c*) partially hydrogenated organic reaction masses, said reaction masses before hydrogenation having a viscosity of at least 50 cp. at 25° C. and produced by reacting under alkaline conditions furfuraldehyde and a ketone having two hydrogen atoms on an alpha carbon, (*d*) resinous residues obtained by the heat distillation of said partially hydrogenated reaction masses, the pH of said mixture being in the range of .3 to 4, said partially hydrogenated products having saturated with hydrogen to the extent of approximately 15%–65% the normally present carbon to carbon double bonds in said products before hydrogenation.

2,600,404

TREATMENT OF WELL-DRILLING FLUIDS

Raymond W. Hoeppel, Arcadia, Calif., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 13, 1948, Serial No. 38,569
9 Claims. (Cl. 252—8.5)

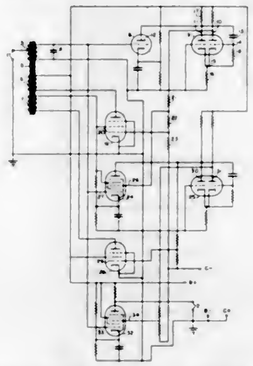
1. In the art of drilling wells by the employment of an aqueous clay-laden starchy drilling fluid subject to contamination by starch-degrading constituents, the process comprising, subjecting an ungelatinized starchy material to the action of a water-salt brine of a concentration of at least 16% between and at a temperature substantially below that required for fresh water, but both sufficient to gelatinize the starchy material and to inhibit degradation of the starch in the drilling fluid.

2,600,405

SELECTIVE COMMUNICATION SYSTEM

Conrad H. Hoeppner, Washington, D. C.

Application March 18, 1946, Serial No. 655,356
7 Claims. (Cl. 177—353)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



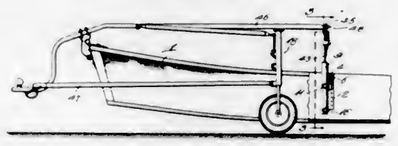
1. A permutation coding circuit comprising, a saturable core reactor, a capacitance connected with said saturable core reactor forming a parallel resonant circuit therewith, means for applying incoming signals to said parallel circuit, a sequence of means each for changing, for an interval of time, the degree of saturation of said saturable core reactor in response to the resonant frequency output of said parallel circuit, each member of said sequence except the first being responsive to said resonant frequency output only for the interval of time during which the immediately preceding member of said sequence changes the reactance as said, and a coincidence point connected to said parallel circuit and to the last member of said sequence for obtaining an output signal from the resonant frequency output signal of said parallel circuit only for the interval of time during which said last member changes the degree of saturation of said saturable core reactor as said.

2,600,406

MEANS FOR SUSPENDING BOATS FROM TRAILERS

Charles H. Holsclaw, Evansville, Ind.

Application September 16, 1948, Serial No. 49,526
5 Claims. (Cl. 9—1)



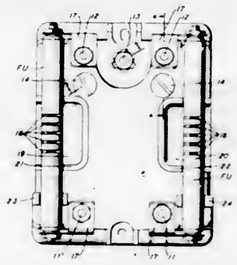
1. Means for suspending a boat from a trailer comprising in combination with a trailer frame, a boat, bracket members secured to the opposite interior gunwales of the boat, plate members directed in a plane interiorly toward each other from said bracket members, a pin member carried by each of said plates and extending in an axis substantially parallel with the interior gunwale of the boat, a suspension frame extending transversely of the boat, a shockproof support carried by each end of said frame, each shockproof support being slidably engageable over the pin adjacent each interior gunwale of the boat for providing a shockproof mount for the boat, and a central pendant support disposed in a vertical position midway of said suspension frame and extending between said suspension frame and the trailer frame.

2,600,407

PROTECTIVE DEVICE

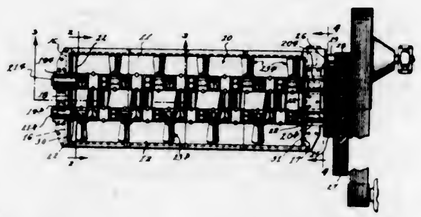
Le Roy W. Kelsay, West Point Pleasant, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 8, 1949, Serial No. 131,885
1 Claim. (Cl. 200—115)



A protective device comprising a body member of insulating material, a pair of line terminals molded in said member at one end thereof and contiguous therewith, a pair of instrument terminals molded in said member at the other end thereof and contiguous therewith, a ground terminal molded in and contiguous to said member at the other end thereof and positioned between said instrument terminals, a pair of air gap arrestors each molded in and contiguous to said member and each adjacent a respective one of said instrument terminals and positioned adjacent said ground terminal, each of said air gap arrestors comprising a metallic shell, a carbon block in said shell but insulated therefrom and spring means positioning said carbon block in spaced juxtaposition to a portion of said shell, a first pair of conductive straps molded in and entirely surrounded by said member electrically connecting said shells to said instrument terminals within said member, a second pair of conductive straps molded and entirely surrounded by said member electrically connecting said carbon blocks to said ground terminals within said member, whereby the electrical connections effected between and by each of said terminals, air gap arrestors and conductive straps molded in said body member are impervious to the entrance of moisture, contact springs on said line and instrument terminals, venting fuses positioned between said springs and extending between said line and instrument terminals, and arcuate shaped bosses integral with said body member, extending above the surface thereof, adjacent said line terminals for accurately positioning said vented fuses.

2,600,408
FLUXING APPARATUS
Gustav Komarek, Chicago, Ill., assignor to Komarek-Greaves & Company, Chicago, Ill., a corporation of Illinois
Application January 15, 1951, Serial No. 206,035
8 Claims. (Cl. 259—6)



1. In a fluxer, a plurality of parallel horizontally disposed shafts, a series of masticators fixed to said shafts and operable in vertical planes, each of said masticators being V-shaped in transverse cross section and having flanks of unequal width.

2,600,409
INKING RIBBON SPOOL
Erhard M. Lippert, Chicago, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application April 28, 1949, Serial No. 90,078
3 Claims. (Cl. 242—74)



1. An inking ribbon spool comprising a plurality of assembled stampings including two side wall discs and a central hub part, one of said discs having an ear struck therefrom and extending inwardly in the region of the hub, the other of said discs having a slot extending radially inwardly from the periphery in alignment with the ear and having an outwardly extending hollow cylindrical projection opposite the slot, a locking lever pivoted on the cylindrical projection on said second disc and having a detent part engageable in said slot to hold the lever in locking position.

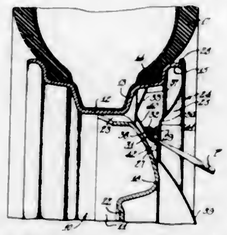
2,600,410
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application August 13, 1949, Serial No. 110,096
18 Claims. (Cl. 301—37)

1. In a wheel structure including a wheel having a tire rim and a wheel body arranged to be attached to the brake drum portion of a vehicle chassis, the wheel body having air circulation openings therethrough, and air circulation promoting means separably attachable to the outer side of the wheel and including means defining an air circulation passage in association with the tire rim and other means projecting from said air circulation promoting means through the air circulation openings in the wheel body and enhancing the movement of air through said



wheel openings into said circulation passage in the rotation of the wheel.

2,600,411
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application September 10, 1951, Serial No. 245,937
17 Claims. (Cl. 301—37)

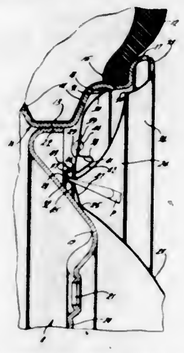


1. In a wheel structure having a tire rim of the drop center type formed with a plurality of stepped flanges and a central load bearing portion secured to the base flange of the tire rim, a cover for the outer side of the wheel structure including a trim ring member disposed in substantially concealing relation to the tire rim and extending generally axially inwardly and radially inwardly and having a beaded inner edge, and a retaining member wedgingly engaging the tire rim and having thereon concealed behind said trim ring member axially outwardly extending retaining clips engageable in snap-on pry-off relationship by the inner beaded edge of the trim ring member for retaining the trim ring member removably in place on the wheel, the retaining member in the portion thereof radially inwardly from the area of engagement by said beaded trim ring edge being formed to facilitate the insertion of a pry-off tool between the retaining member and the beaded trim ring edge for prying the beaded trim ring edge free from said retaining clips.

2,600,412
WHEEL COVER STRUCTURE
George Albert Lyon, Detroit, Mich.
Application September 30, 1947, Serial No. 776,973
10 Claims. (Cl. 301—37)

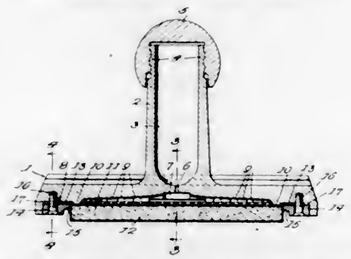
1. In a wheel structure including a multi-flanged tire rim and a load sustaining body part,

a wheel cover including a central cover portion having generally radially extending peripheral finger members retainingly engageable with the exterior surface of an intermediate flange of the tire rim and including a flange structure at the base of said finger members, said flange structure having mounted thereon retaining spring clips, and a cover annulus of a size to substantially cover the tire rim and said retaining fingers as



well as said flange and said retaining spring clips and engaging said spring clips in snap-on, pry-off relationship, the juncture of the flange with the body of the inner cover member having an annular generally outwardly opening groove receptive of the inner edge of the annular cover member and constructed at the radially inner side thereof to facilitate insertion of a pry-off tool for removing said annular cover member from retention by said clips.

2,600,413
HAND STENCIL DUPLICATOR
Porter H. Mason, William D. Mason, and Jack H. Mason, Norfolk, Va.
Application April 16, 1948, Serial No. 21,336
10 Claims. (Cl. 101—125)



1. A hand stencil duplicator, comprising a body portion recessed on its underside to form an ink distribution chamber, a hollow handle projecting from the opposite side of said body, forming an ink reservoir, a passageway connecting said reservoir with said chamber, a series of connected channels in the base of said chamber arranged in communication with said passageway for distributing ink throughout the area of said base, a foraminous plate overlying said channels, an ink absorbent pad in said chamber overlying said foraminous plate, said pad being of a thickness greater than the depth of said chamber and having a surrounding lip adapted to lie against the base of said chamber, a pad retaining frame nested in said chamber and overlying said lip, separate elements associated with said frame for retaining a stencil in position over said pad and common means for removably securing said pad, frame and stencil retaining elements in assembled relation.

2,600,414
VULCANIZATION OF ACRYLIC RESINS
William C. Mast, Philadelphia, Chessie E. Rehberg, Glenside, and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 22, 1947, Serial No. 770,180
2 Claims. (Cl. 260—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A process of preparing a synthetic rubber comprising compounding a copolymer prepared from a mixture containing, as monomeric components, alkyl acrylate and methyl vinyl ketone in the proportion of from 80 to 98 percent of acrylate to at least 2 percent of the ketone, with a vulcanizing agent selected from the group consisting of sulfur and the combination of quinone dioxime and red lead, and heating the compounded mixture to effect vulcanization.

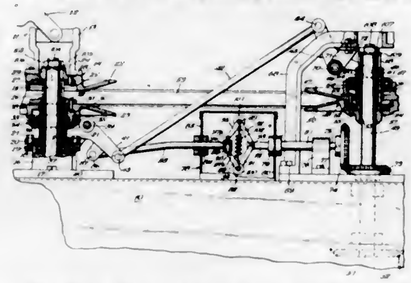
2,600,415
WATER-SOLUBLE SURFACE ACTIVE AGENTS FROM OLEFIN POLYMERS
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 26, 1946, Serial No. 718,621
2 Claims. (Cl. 260—513)

1. A process for producing water-soluble tertiary alkenyl sulfonates of propylene polymers having 15 to 18 carbon atoms per molecule which comprises dissolving propylene polymers boiling within the range of 220° to 320° C. in a paraffinic hydrocarbon solvent, admixing chlorsulfonic acid and a dialkyl ether having about 4 carbon atoms per molecule with the resulting paraffinic hydrocarbon solution of the polymers, maintaining the resulting mixture at a temperature in the range of about −10° to +50° C., removing hydrogen chloride gas evolved from the solution, neutralizing the resulting mixture product in the solution with aqueous sodium hydroxide, separating water-soluble tertiary alkenyl sulfonates by extraction with an aqueous alcohol from the hydrocarbon solution, washing the aqueous alcohol extract of tertiary alkenyl sulfonates free of hydrocarbon naphtha-soluble materials with a naphtha hydrocarbon solvent, then drying the washed aqueous alcohol extract to recover the water-soluble tertiary alkenyl sulfonates as a solid.

2,600,416
DRIVE MECHANISM
Lee P. Millard, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 8, 1950, Serial No. 183,797
1 Claim. (Cl. 74—230.17)

A variable speed pulley and V-belt transmission comprising a supporting structure, a driving shaft journaled on said supporting structure, a driven shaft parallel to and journaled on said supporting structure, a first adjustable V-pulley mounted on said driving shaft, a second adjustable V-pulley mounted on said driven shaft and

in alignment with said first adjustable V-pulley, said first adjustable V-pulley having a half thereof fixed to said drive shaft and the other half thereof slidable on said drive shaft toward and away from said fixed half, said second adjustable V-pulley having a half thereof fixed to said driven shaft in alignment with the slidable half of the first adjustable V-pulley and the other half thereof slidable on said driven shaft in alignment with the fixed half of the first adjustable V-pulley, a first fork means pivotally mounted on said supporting structure adjacent the slidable half of the first adjustable V-pulley, a second fork means pivotally mounted on said supporting structure adjacent the slidable half of the second adjustable V-pulley, a V-belt joining said first and sec-



ond adjustable V-pulleys, tie rod means joining the first and second fork means, centrifugal means, means rotatably driving said centrifugal means from said driven shaft, said centrifugal means including a plurality of weights, springs normally holding said weights radially inwardly, a longitudinally slidable link, means transmitting slidable movement to said slidable link in response to the radial extension of said weights, and pivotal means joining said slidable link to said tie rod means, whereby the speed of the driven shaft acts to directly extend or withdraw said link an amount proportional to the speed of the driven shaft and thus automatically compensate for variations in driving speed in maintaining a substantially constant driven speed.

2,600,417

COMBINED ROPE THIMBLE AND CLAMP

Edward L. Morris, Lee's Summit, Mo., assignor to Edith Morris, Lee's Summit, Mo.

Application June 17, 1949, Serial No. 99,620
7 Claims. (Cl. 287—81)



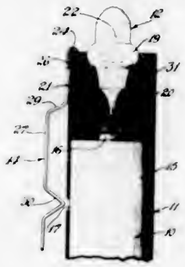
1. A combined rope thimble and clamp comprising, a pair of members each having an integral clamp and thimble portion, said clamp portions each having an oppositely facing open channel extending longitudinally thereof to form seats for the live and dead end of a rope loop, each of the thimble portions having a groove in the periphery thereof communicating with the respective channels, interengaging means on the clamp portions for preventing relative longitudinal movement, and means for securing the clamp portions together for clamping the ends of a loop of a rope against each other in the channels.

2,600,418

FLASHLIGHT COMPRISING PERMANENTLY ASSEMBLED LAMP, CELL, HOUSING, AND SWITCH STRUCTURE

Ferdinand H. Müller, Roseland, N. J.

Application March 25, 1949, Serial No. 83,414
5 Claims. (Cl. 240—10.61)



5. A flash light comprising a dry cell, a nonconductive tube housing said cell and extending beyond the upper end thereof, a lamp having one terminal electrically connected to the upper end terminal of said cell, a switch element operable to electrically connect the side terminal of said cell and the other terminal of said lamp to establish a closed circuit, said switch element having a U-shaped clip portion provided with an inner leg and an outer leg disposed in gripping engagement with the upper end portion of said tube and having an inwardly facing offset portion on the inner leg thereof, and a mass of material within the upper end portion of said tube in which the base of said lamp is embedded serving as the sole means for irremovably securing said cell, lamp and tube to provide a unitary structure and having said offset portion of said inner switch element leg rooted therein.

2,600,419

OIL-SOLUBLE ALLYL COPOLYMERS

Harry T. Neher, Bristol, and La Verne N. Bauer and William L. Van Horne, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application July 15, 1949, Serial No. 105,043
4 Claims. (Cl. 260—85.7)

1. A copolymer of (A) an ester of a saturated aliphatic monocarboxylic acid of sixteen to twenty-four carbon atoms, R'COOH, and an alcohol selected from the class consisting of allyl alcohol and methallyl alcohol and (B) an ester of a saturated aliphatic monocarboxylic acid of four to fourteen carbon atoms, RCOOH, and an alcohol selected from the class consisting of allyl alcohol and methallyl alcohol, the proportion of the first ester (A) to the second (B) being defined by ratios from one mole of the first to one mole of the second up to one mole of the first to a number of moles of the second equal to the number of carbon atoms in the longest chain of carbon atoms in the monocarboxylic acid portion of said ester, R' in the above formula representing an alkyl chain of fifteen to twenty-three carbon atoms and R representing an alkyl group of three to thirteen carbon atoms.

2,600,420

OIL-SOLUBLE ALLYL-VINYL ESTER COPOLYMERS

Harry T. Neher, Bristol, and William L. Van Horne and La Verne N. Bauer, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application July 15, 1949, Serial No. 105,044
4 Claims. (Cl. 260—85.7)

1. An oil-soluble copolymer of (A) an allylic ester of an alkanoic acid of sixteen to twenty-four carbon atoms and an alcohol selected from the class consisting of allyl and methallyl alcohols and (B) a vinyl ester of an alkanoic acid having four to twelve carbon atoms, the mole ratio of allylic ester groups to vinyl ester groups in the copolymer being from one to one to one to a number equalling the number of carbon atoms in the longest chain of the said alkanoic acid forming said vinyl ester.

2,600,421

COPOLYMERS OF ACRYLATES AND ALLYL ESTERS

Harry T. Neher, Bristol, and William L. Van Horne and La Verne N. Bauer, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application July 15, 1949. Serial No. 105,045
4 Claims. (Cl. 260—86.1)

1. An oil-soluble copolymer of (A) an ester of acrylic acid and a saturated aliphatic monohydric alcohol having a straight chained alkyl group of sixteen to eighteen carbon atoms and (B) an ester of an alkanoic acid having a carbon chain of six to fourteen carbon atoms and an alcohol selected from the class consisting of allyl, methallyl, and 2-chloroallyl alcohols, the mole ratio of groups from the first ester to groups from the latter ester being from one to one to one to a number equal to the number of carbon atoms in the longest straight chain of the latter ester.

2,600,422

MALEATE-METHACRYLATE COPOLYMERS

Harry T. Neher, Bristol, and La Verne N. Bauer and William L. Van Horne, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 3, 1950, Serial No. 142,339
6 Claims. (Cl. 260—78.5)

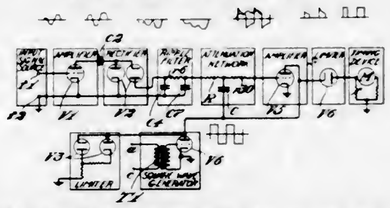
1. A copolymer of an ester (A) of a saturated, straight chained, aliphatic monohydric alcohol, ROH, in which R is an alkyl group of 16 to 18 carbon atoms, and an unsaturated dicarboxylic acid, HOOCC(X)=CHCOOH, in which X is a member of the class consisting of hydrogen, chlorine, and the methyl group, and of an ester (B) of methacrylic acid and a saturated, monohydric, aliphatic alcohol, R'OH, in which R' is an alkyl group of 4 to 14 carbon atoms, the proportion of ester (A) groups to ester (B) groups in the copolymer being from 1:1 to 1:(n—2), where n is the number of carbon atoms in the longest straight chain of R'.

2,600,423

ELECTRICAL SYSTEM WITH OUTPUT SIGNAL VARYING LOGARITHMICALLY WITH RESPECT TO THE INPUT SIGNAL

Alfred Wilson Nolle, San Marcos, Tex., assignor to The Electrodyne Company, Boston, Mass., a corporation of Massachusetts

Application April 30, 1948, Serial No. 24,263
24 Claims. (Cl. 171—95)



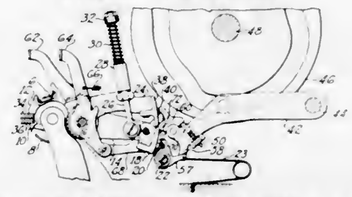
1. An electrical system with an output signal varying logarithmically with respect to an input signal comprising an attenuation network having a logarithmic voltage time characteristic, a source of potential with a magnitude proportional to said input signal, a source of constant peak potential, connections for energizing said network from one of said sources and for directly applying the other of said sources to the network as a comparative attenuation standard, and a timing device including an integrating instrument for measuring electrical energy and an amplifier for connecting the instrument to the output of the network, said amplifier being biased to conduct only during the respective time intervals required for attenuation between the limits of a potential equal in magnitude and opposite in polarity to the potential of said comparative standard and a potential with a magnitude determined by the magnitude of the potential of the energizing source whereby the instrument indication is proportional to the current pulses applied thereto, thereby to express a logarithmic correlation of the amplitudes of the input and output signals.

2,600,424

PRESSER FOOT MECHANISM FOR SEWING MACHINES

Thomas J. O'Laughlin, Boston, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

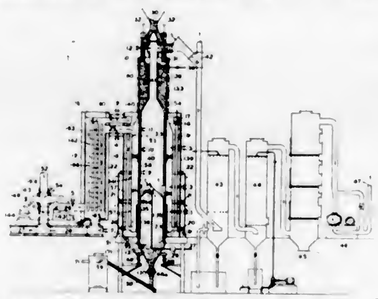
Application October 10, 1950, Serial No. 189,383
2 Claims. (Cl. 112—61)



1. An outsole sewing machine having a main sewing shaft, a curved hook needle and other stitch forming devices for inserting a lockstitch seam, work clamping devices including a work support and a presser foot and mechanism for locking and releasing the presser foot from clamping engagement with the work during operation of the stitch forming devices comprising a toothed ratchet connected to the presser foot and mounted for movement in a fixed path, a pin carrying pawl arranged to engage the ratchet, a pivot for the pin carrying pawl and a plurality

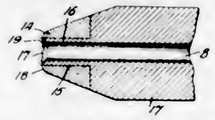
of cooperative pawls on the pin carrying pawl pivot, all of said pawls having nibs spaced unequal distances radially from the said pivot to engage the ratchet at a number of points spaced along the width of a single tooth and having symmetrical arms formed with surfaces disposed in alinement when the pawl nibs are alined in parallel relation to the ratchet path, individual springs for pressing the pawls toward the ratchet, a lever driven from the sewing shaft engaging the surfaces of the arms on the pawls to move them simultaneously out of the path of the ratchet, a manually actuated lever for disengaging the pawls from the ratchet at the end of a seam to release the work from the presser foot and a link actuated by the manually actuated lever, said link having a slot connection with the pin on the pin carrying pawl, in combination with pin engaging surfaces on the pawls other than that carrying the pin disposed in setback relation to said pin when the nibs on the pawls are alined in parallel relation to the ratchet path to cause the pin carrying pawl nib to be withdrawn through a distance equal to the depth of the ratchet teeth from the path of the ratchet before the nibs on any of the other pawls are withdrawn from said path, the setback surfaces of all the pawls other than that carrying the pin having the same spacing relatively to the path of the ratchet path when engaged by the pin of the pin carrying pawl to cause all the pawls other than that carrying the pin to be withdrawn from the path of the ratchet path together.

2,600,425
FURNACE REACTOR
Vernon F. Parry, Golden, Colo., assignor to Silver Engineering Works, Inc., Denver, Colo., a corporation of Colorado
Original application April 20, 1945, Serial No. 589,450. Divided and this application October 7, 1946, Serial No. 701,631
7 Claims. (Cl. 23—277)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



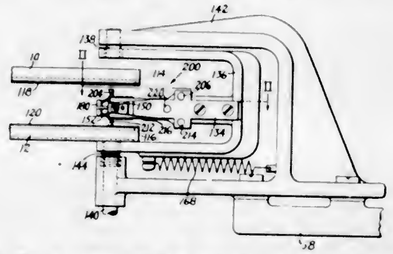
1. An endothermic gas-solid reaction apparatus comprising a vertical outer tube; a vertical upper inner tube spaced inwardly from the outer tube in an upper portion thereof and communicating with the outer tube at its bottom; a vertical lower inner tube spaced inwardly from said outer tube below said upper inner tube, communicating with said outer tube at its bottom, and closed from communication with said upper inner tube at its top; said inner and outer tubes defining between them a vertical reaction zone bounded externally by said outer tube and internally by the inner tubes and communicating with the upper inner tube at the bottom thereof; means for feeding solid reactants into the upper end of said reaction zone to descend therethrough about said upper inner tube and thence about said lower inner tube for discharge below said lower inner tube; means for introducing gaseous reactants into the lower inner tube to pass from the open bottom thereof upwardly through the reaction zone about said lower inner tube and inwardly into the bottom of said upper inner tube; means for introducing gaseous reactants into the upper end of the reaction zone to pass downwardly about the upper inner tube and into the bottom portion of the upper inner tube; said upper inner tube having a discharge duct leading from its upper portion for discharging gaseous products entering the lower end of said upper inner tube.

2,600,426
FOUNTAIN PEN POINT
Lewis A. Paul, Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application November 15, 1947, Serial No. 786,179
2 Claims. (Cl. 120—44)



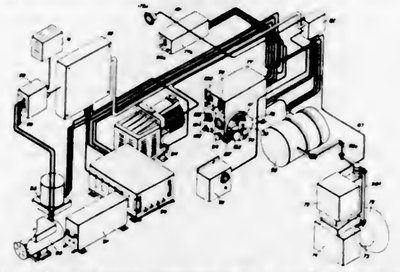
1. A fountain pen point comprising a feed tube having a reduced tubular neck extension at the end of the same and an annular jewel engaged over said neck extension and having a rounded annular bearing end about the end of said reduced extension.

2,600,427
TRIMMING MACHINE
Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 22, 1950, Serial No. 202,297
10 Claims. (Cl. 12—17)



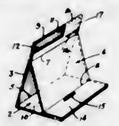
4. In a machine for rounding soles in conformity to a pattern, opposed clamps cooperating with the pattern to hold a sole against each side thereof, each of said clamps comprising a flexible sole-engaging member which is arranged to overlap the pattern and is deformable according to variations in the thickness of the sole into complete contact therewith opposite to the edge of the pattern, a tool-head movable about said pattern under the guidance of its edge for simultaneously trimming and chamfering the soles, said tool-head comprising two pairs of knives, each pair consisting of a trimming knife and a chamfering knife mounted and arranged to seat upon one of said sole-engaging members, means for yieldingly urging said trimming knives independently of said chamfering knives into engagement with said clamps, and means for urging said chamfering knives independently of said trimming knives into engagement with said clamps.

2,600,428
BOMBING METHOD AND APPARATUS
Louis G. Pooler, United States Navy, Alexandria, Va., and Malcolm F. Schoeffel, United States Navy, Washington, D. C.
Application December 18, 1943, Serial No. 514,870
15 Claims. (Cl. 343—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bombsight comprising a radio detection and ranging system for providing an indication of the slant range from the aircraft to the target, means adjustable to correspondence with said indication, means for solving the dropping angle including a driving member, and an operative connection from the driving member to the adjustable means for maintaining the same in correspondence with said slant range indication.

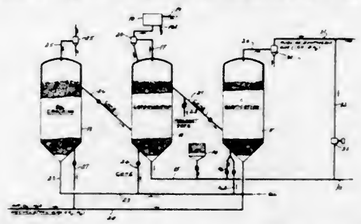
2,600,429
CARD SUPPORTING DEVICE
Mauritz C. Ranseen, Minneapolis, Minn.
Application September 21, 1949, Serial No. 116,870
16 Claims. (Cl. 40—10)



1. A card supporting device comprising a base member, a front upright member and a rear upright member, said upright members being attached to said base member, the upper portions of said upright members being fastened together across only a part of their width, the unsecured upper portions of said front and rear upright members being disposed in yieldable relation, whereby a card may be interposed between said yieldable upper portions in contacting relation therewith and be maintained in an upright position between said upright members.

2,600,430
CONVERSION OF CARBONACEOUS MATERIALS
Earl W. Riblett, Tenafly, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application August 9, 1947, Serial No. 767,685
5 Claims. (Cl. 196—55)

1. The process of treating a hydrocarbon oil and a solid carbonaceous material containing volatilizable constituents and a solid carbonaceous residue to produce valuable products, which comprises continuously circulating solid residue from said carbonaceous material through three intercommunicating zones, subjecting said solid residue in a gasification zone to an exothermic gasification reaction with a gaseous reactant, passing resulting heated solid residue from said gasification zone to a carbonization zone into admixture with fresh carbonaceous material

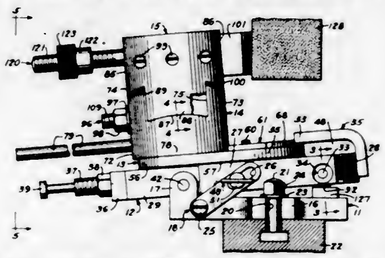


thereby effecting volatilization of volatilizable constituents from said material and formation of an additional amount of said solid residue, introducing said solid residue into a cracking zone into contact with said hydrocarbon oil thereby effecting cracking of said hydrocarbon oil with the resulting deposition of free carbon on said residue, and returning said solid residue from said cracking zone to said gasification zone wherein said carbon from said hydrocarbon oil and a portion of said solid residue is gasified.

2,600,431
ADDUCT OF THIOUREA AND CHLOROPICRIN AND ITS USE AS A PESTICIDE
Ludwig Rosenstein and Manuel H. Gorin, San Francisco, Calif.
No Drawing. Application June 17, 1950, Serial No. 168,836
8 Claims. (Cl. 167—22)

7. In a pest control method, the step of distributing about a pest habitat a finely divided solid complex of thiourea and chloropicrin.

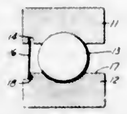
2,600,432
GRINDING FIXTURE FOR SINGLE POINT TOOLS
Joseph J. Sanders, Philadelphia, Pa.
Application January 18, 1951, Serial No. 206,701
2 Claims. (Cl. 51—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A tool shaping fixture comprising, a base plate, an angle plate having a stop bar and being supportable in various angular relationships to said base plate, a slide plate keyed to said angle plate for pivotal rotation within a preselected limited area about a perpendicular to the face

of said angle plate, a template removably secured to said slide plate and having a profile conforming to that desired to be ground on a cutting tool, resilient means constantly urging said slide plate and template thereon in the direction of said stop bar so that said template's profile is constantly abutting the stop bar, a vise base carried by said slide plate and having an arcuate free end, a vise block for supporting a tool to be shaped and having an arcuate end for mating engagement with the arcuate free end of said vise base, scale and pointer means for indicating the lateral displacement of said vise base with respect to said vise block, and a roller mounted in said angle plate so that a portion of the roller surface constantly protrudes from the plate's lower surface to provide a fixed reference line for determining by means of a standard gage block the angular distance between the angle plate and said base plate, the named elements cooperating to make possible the uniform supporting of successive tools to be shaped at a compound angle caused by the angular settings of the angle plate with respect to said base plate and of the vise block with respect to said vise base, and to move tools thus supported along a path which conforms to the shape of the template's profile.

2,600,433
BEARING ASSEMBLY AND SEAL
Lawrence G. Saywell, San Mateo, Calif., assignor to Saywell Associates, San Francisco, Calif., a joint venture
Application December 4, 1948, Serial No. 63,579
2 Claims. (Cl. 308—187.2)



1. In combination with a ball or roller bearing assembly of the type having inner and outer annular metal races, the outer race having a radially inwardly facing annular groove adjacent one end of the same, a single normally substantially flat and continuous annulus of spring metal having an outer diameter greater than the inner diameter of the outer race and having its outer edge portion accommodated in said groove, an annular end face formed on the inner race, said annulus when assembled in said bearing being stressed laterally within its elastic limit whereby the resiliency thereof causes one face thereof at its inner peripheral edge portion to be resiliently urged in sealing engagement with said end face and its outer peripheral edge, in said groove, to be held against means engaging the peripheral face thereof opposite said one face and in sealing engagement therewith to prevent stress-relieving axial movement, said annulus being distortable within its elastic limit from its normal substantially flat form to a form in which it may be readily inserted in said groove.

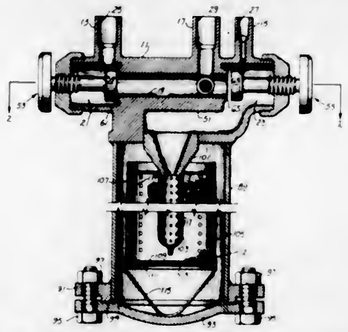
2,600,434
SEALING DEVICE
Lawrence G. Saywell, San Mateo, Calif., assignor to Saywell Associates, South San Francisco, Calif., a joint venture
Application June 6, 1950, Serial No. 166,344
6 Claims. (Cl. 286—11)

1. In combination with inner and outer relatively rotatable members, a thin resilient metal annulus having one peripheral edge sealed and fixed with respect to a first one of said members, means defining an axially facing annular surface on the other of said members, one side face of the free peripheral margin of the annulus being in radially overlapping relation to said annular surface, said annulus normally tending to assume a position wherein the said one side face defines a surface radially converging toward said annular surface, in a direction away from said



first one of said members, said annulus and annular surface being so axially positioned that the free edge of said annulus is axially deflected, by said annular surface, within the elastic limit thereof to bring a marginal portion of said one side face into surface contact with said annular surface whereby the greatest pressure between said surfaces is at said free edge, the radial extent of said surface contact being substantially less than the total radial overlap of said surfaces.

2,600,435
FREON 12 DEHYDRATOR AND MANIFOLD
Samuel A. Shapiro, Bronx, N. Y.
Application November 29, 1948, Serial No. 62,501
4 Claims. (Cl. 210—131)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

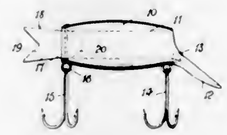


2. A refrigerant dehydrating system comprising a manifold block, a first transverse passage in said block, an enlarged chamber in said block at each end of said passage, an inlet port in said block communicating with said passage, valve means to seal said passage from one of said chambers, a second passage in said block connecting said one of said chambers to a central point of discharge of the refrigerant in the bottom of said block, a discharge seat fitting secured rigidly to said block at said point, a dehydrating chamber attached rigidly to said block over said seat fitting, a removable cartridge provided with perforated side walls positioned within said chamber, a perforated dispersion tube carried in said cartridge and bearing against said seat fitting, a drying agent carried in said cartridge around said tube, a cover plate attached removably to said chamber, spring means to retain said tube and cartridge bearing against said seat fitting, an outlet port in said block communicating with the other of said enlarged chambers, a third chamber in said block, a passage connecting said other of said chambers and said third chamber, valve means to seal said passage, a passage in said block connecting said dehydrating chamber and said third chamber, and valve means to seal said first transverse passage from said other of said enlarged chambers.

2,600,436
METHOD OF KILLING SUBMERGED WATERWEEDS
John M. Shaw and Thomas R. Bartley, Denver, Colo., and Richard S. Rosenfels, Richland, Wash., assignors to the United States of America as represented by the Secretary of the Interior
No Drawing. Application August 31, 1948, Serial No. 47,134
1 Claim. (Cl. 71—2.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The method of killing submerged waterweeds in an extended length of a flowing watercourse that comprises forming a mixture of surface active dispersing agent with a volatile herbicidal hydrocarbon having a boiling range lying between 250 and 400 degrees Fahrenheit, dispersing said mixture into the upstream region of the length of watercourse to be treated by submersed atomization under high pressure at a rate producing therein a concentration of from 125 to 300 parts of herbicidal mixture per million parts of water, allowing the flow of the watercourse to carry the dispersed mixture downstream into contact with the waterweeds throughout the extended length of stream being treated while continuing the dispersing of mixture at the upstream end thereof for a period of the order of one hour, the flow of the water and the presence of the surface active dispersing agent maintaining the herbicidal hydrocarbon dispersed throughout the depth of the watercourse during its passage down the extended length of watercourse being treated, the flow of the water carrying the dispersed herbicidal hydrocarbon into forcible contact with the waterweeds, and the dispersing agent aiding in the penetration of the herbicidal hydrocarbon into the waterweed tissues, whereby effective killing of the waterweeds is obtained.

2,600,437
FISHING LURE
John P. Siepe, Detroit, Mich.
Application July 6, 1948, Serial No. 37,212
4 Claims. (Cl. 43—42.06)



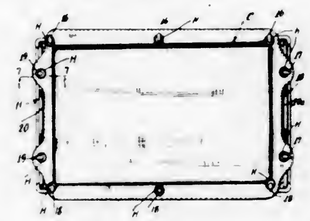
1. In a lure of the type described, a tubular body, and a valve member in the form of a substantially flat tail vertically pivoted for free oscillation in the rear end of said body with a minor flat vane portion of said valve member having the configuration of substantially half of the transverse section of the tubular body and extending forwardly of its pivotal axis into and swingable within the bore of the said body.

2,600,438
CONTAINER
Charles E. Slaughter, New Canaan, Conn.
Application October 25, 1946, Serial No. 705,550
1 Claim. (Cl. 206—45.34)



A display container comprising an extruded open-ended tubular section of synthetic resinous material having a flattened base and walls converging above that base, a pair of opposite longitudinal discrete internal integral ribs near the base of the inner portions of said converging walls, said ribs projecting inwardly from the inner portions of the walls for a short distance, and a flat elongated rectangular insert serving as a display surface on which an article to be displayed may be placed, said ribs substantially contacting the upper edges of the insert and holding the insert slidably but securely in place within the container against the base by contact with said ribs.

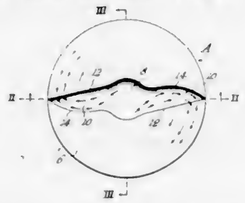
2,600,439
COLLAPSIBLE CONTAINER
Milton Sloane, Hartford, Conn., now by judicial change of name "Peppy" M. Sloane
Application January 26, 1946, Serial No. 643,531
5 Claims. (Cl. 220—6)



1. An open-top crate of skeleton type for removably supporting laundry bags and the like with the positioned bag having its top in completely open position, said crate comprising complete opposing end walls of skeleton type, opposing side walls formed of individual and parallel strands of wire in spaced relation on each side and with each wire having its end zones looped respectively to vertical members of the adjacent end walls to thereby form a body assemblage of ends and sides in articulated relation with the assemblage collapsible by movement of at least three of the four walls relative to such member of the fourth wall and in the direction of length of the wire strands of the side walls to bring the assemblage into a collapsed position in which an end wall and an adjacent side wall extend in approximate alinement and in approximate parallelism with the similarly approximately alined remaining end and side walls, and a bottom wall of skeleton type and of less length than the side walls, said bottom wall being hingedly carried by the lower wire strand of one of the side walls and removably supported by the corresponding wire strand of

the opposite side wall for maintaining the service formation of the assemblage, said bottom wall being swingable about the hingedly connected first lower wire strand of a side wall to a position approximately parallel with the side wall carrying such wire strand and thereby releasing such body for its articulating movements relative to the side wall bearing such first wire to produce the collapsed parallel relationship with the bottom wall positioned in a plane extending internal of the collapsed assemblage, said bottom wall and one of the side walls having cooperating means for preventing material shifting movements of the bottom wall longitudinally relative to the side wall with which it is pivotally connected, each of the side and end walls of the body carrying vertically extending rods projecting above the top plane of such frames with the projecting portions of the rods forming supports for the laundry bag when the assemblage is in service.

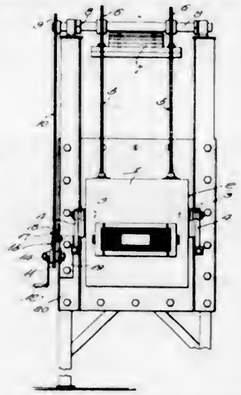
2,600,440
PISTON CONSTRUCTION FOR INTERNAL-COMBUSTION ENGINES
Donald H. Smith, Fairfax County, Va.
Application May 17, 1950, Serial No. 162,575
5 Claims. (Cl. 123—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a piston assembly for internal combustion engines including a cylinder having a cylinder head provided with a fuel injection nozzle, and a piston operating in the cylinder, the improvements which include a convexedly-domed piston head for the piston provided with a cup-shaped recess opposite to the injection nozzle, and a plurality of fluted, equally spaced, radially extending channels leading from the cup-shaped recess to the periphery of the piston head for producing a controlled swirling action of the gases in the cylinder for eliminating burning of the injector nozzle and carbon deposits on the piston head.

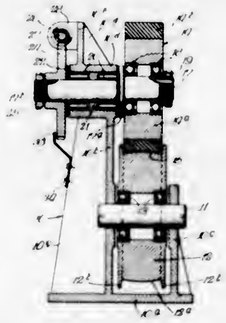
2,600,441
METHOD OF MANUAL DOOR OPERATION OF VERTICALLY MOVABLE DOORS
Robert H. Sommers, Waukesha, and Arthur W. Frank, Wauwatosa, Wis., assignors to Hevi Duty Electric Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 29, 1947, Serial No. 782,818
5 Claims. (Cl. 268—58)

1. Door operating mechanism including a vertically movable door, vertically arranged guideways for controlling the movement of said door in a vertical direction, counterweighted means for balancing the vertical movement of said door and control means for moving said door to a selected position, said control means including a reversible crank, a chain and sprocket mechanism operated by said reversible crank with said chain operatively associated with said counterweighted means, a reversible pawl pivotally mounted adjacent said sprocket mechanism, substantially coplanar with said chain mechanism and having a pair of angularly directed teeth members having overall dimensional limits of less than the distance between the paths of travel of said chain mechanism and operative to engage the sprocket teeth of said sprocket mechanism at a position remote from the center thereof



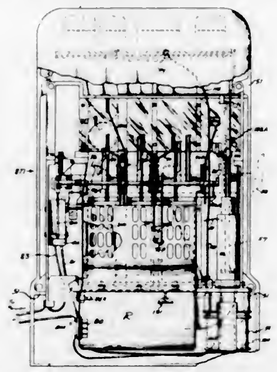
and a weighted lever pivotally mounted on the same center with said pawl and operative to be shifted to either of two limiting positions engaging said pawl for gravitationally maintaining one of the teeth members of said pawl in tooth-by-tooth engagement with the sprocket teeth of said sprocket mechanism for unidirectionally controlling the movement of the door to a selected position.

2,600,442
METHOD AND APPARATUS FOR CHANGING THE RELATIVE LENGTHS OF THE INTERMEDIATE AND EDGE PORTIONS OF METAL STRIPS
Godfrey Stanius, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application July 25, 1946, Serial No. 686,073
3 Claims. (Cl. 153—54)



1. The method of treating a long, thin metal strip in a continuous process without imparting a permanent transverse curvature to the strip, which comprises continuously and progressively moving the strip longitudinally in the same direction along a path a portion of which is curved longitudinally and transversely of the strip, exerting pressure continuously on opposite sides of said strip at said curved path, said pressure being exerted transversely to said sides of the strip to flex that part of the strip in said curved portion, and moving the intermediate portion of the strip in said curved portion through a longer path and therefore at a faster rate than the edge portions to permanently longitudinally stress the strip as it moves along said curved path portion to produce in the strip a condition wherein said intermediate portion of the strip is longer than its edge portions, thereby leaving the strip in a buckled condition between its edges.

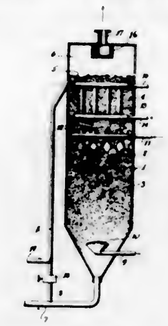
2,600,443
COIN CONTROLLED CHANGE MAKER
Homer B. Stuart, Grosse Pointe, Mich., assignor to Advance Products Co., Detroit, Mich., a corporation of Michigan
Application June 15, 1945, Serial No. 599,701
5 Claims. (Cl. 194—10)



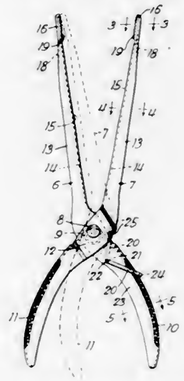
3. In a fare register and change maker, an actuating shaft, electrically operable means for oscillating said shaft, a normally open electric circuit including the latter, an oscillatable circuit controlling shaft having fixed thereto a switch operating cam, a switch in said circuit and operable by said cam, spring means biased to urge said controlling shaft and cam to switch closing position, trigger means adapted to withhold said cam, and coin actuated release means for said trigger.

2,600,444
OXYGENATION OF OLEFINS
Frederick W. Sullivan, Jr., Summit, N. J.
Application July 20, 1946, Serial No. 685,045
10 Claims. (Cl. 260—348.5)

1. In the vapor phase catalytic process for oxygenation of olefins wherein gaseous reactants comprising essentially olefin and oxygen are passed upwardly through a vertical elongated catalytic zone containing a unitary mass of powdered oxygenation catalyst maintained in fluidized condition; the improvement which comprises, restricting the flow of gaseous reactants intermediate the ends of said catalytic zone and below the psuedo-liquid level of catalyst therein whereby said catalytic zone is divided, without discontinuity of the fluidized catalyst phase, into a lower reaction zone and a contiguous upper cooling zone and upward flow from said lower to said upper zone is permitted but slippage of catalyst particles downward from said upper zone to said lower zone is substantially prevented, maintaining said lower zone at reaction temperature, while maintaining the upper zone at a materially lower temperature such that the reaction in said upper zone is substantially terminated below the pseudo-liquid level of catalyst therein, and withdrawing the gaseous reaction products from said upper zone.



2,600,445
LONGNOSE PLIERS
Carl A. Sundstrand, Rockford, Ill.
Application February 10, 1947, Serial No. 727,705
2 Claims. (Cl. 81—49)



1. A pair of pliers comprising a pair of one piece elongated sheet metal jaw members of channel form from end to end providing an elongated channel-shaped jaw on one end portion and an elongated channel-shaped handle on the other end portion, one of said members having an opening provided therein in the intermediate portion between the jaw and handle portions and the sides of said member being laterally spaced at said opening and the other of said members having its intermediate portion extending through said opening and between said sides, and a pivot pin for pivotally connecting said intermediate portions, the open sides of the channels of the handle portions facing each other but the open sides of the channels of the jaw portions facing away from each other, the flanges of the channels of the respective jaws decreasing gradually in height from the pivot pin to a height

equal to approximately half the width of the jaws adjacent their tip portions, the flanges of the channels at the tip portion of the jaws being bent inwardly toward each other and flattened against the web portion of the channel, whereby to provide double-ply work gripping ends on said jaws which are of reduced dimensions in relation to the posterior channel-shaped portions of the jaws.

2,600,446
COPOLYMERS OF METHACRYLATES AND ALLYL ESTERS
William L. Van Horne and La Verne N. Bauer, Philadelphia, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 15, 1949, Serial No. 105,046
4 Claims. (Cl. 260—86.1)

1. An oil-soluble copolymer from (A) an ester of methacrylic acid and a saturated aliphatic monohydric alcohol having an alkyl group with a straight chain of sixteen to twenty-four carbon atoms and (B) an allylic ester of an alkanoic acid of three to fourteen carbon atoms and an alcohol selected from the class consisting of allyl, methallyl, and 2-chloroallyl alcohols, the ratio of groups from the methacrylic ester to the allylic ester being from 1:0.075 to 1 to a number equal to twice the number of carbon atoms in the longest chain of the allylic ester.

2,600,447
COPOLYMERS OF ALLYL ESTERS AND MALEATES
William L. Van Horne and La Verne N. Bauer, Philadelphia, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 15, 1949, Serial No. 105,047
4 Claims. (Cl. 260—78.5)

1. An oil-soluble copolymer from (A) an ester of an alkanoic acid having a chain of sixteen to twenty-four carbon atoms and an alcohol selected from the class consisting of allyl and methallyl alcohols and (B) an ester of a saturated aliphatic monohydric alcohol of three to fourteen carbon atoms and a dibasic acid of the formula

$$HOOCCH{=}C(R^0)COOH$$

wherein R^0 is a member of the class consisting of hydrogen, chlorine, and the methyl group, the mole ratio of the ester group (A) to the ester group (B) being 1:0.25 to 1:n, where n has a value of one when the alcohol group has three carbon atoms and increases with the size of such group up to two when the alcohol group has fourteen carbon atoms.

2,600,448
COPOLYMERS FROM ALLYL ESTERS AND ACRYLIC ESTERS
William L. Van Horne and La Verne N. Bauer, Philadelphia, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 15, 1949, Serial No. 105,048
4 Claims. (Cl. 260—86.1)

1. An oil-soluble copolymer from (A) an ester of an alkanoic acid of sixteen to twenty-four carbon atoms and an alcohol selected from the class consisting of allyl, 2-chloroallyl, and methallyl alcohols and (B) an ester of acrylic acid and a saturated aliphatic monohydric alcohol having an alkyl group of four to twelve carbon atoms, the ratio of the groups from the first ester (A) to the second ester (B) varying from one to one half to one to a number which is equal to one half of the number of carbon atoms in the longest chain of the alcohol forming the second ester.

2,600,449
MALEIC ACRYLIC COPOLYMERS
William L. Van Horne and La Verne N. Bauer, Philadelphia, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 17, 1950, Serial No. 139,132
5 Claims. (Cl. 260—78.5)

1. A copolymer of an ester (A) of a saturated monohydric alcohol, ROH, in which R is an alkyl group having a chain of 16 to 18 carbon atoms, and an acid of the formula

$$HOOCC(X){=}CHCOOH$$

wherein X is a member of the class consisting of hydrogen, chlorine, and the methyl group, and an ester (B) of acrylic acid and a saturated monohydric alcohol, R'OH, wherein R' is an alkyl group of 6 to 10 carbon atoms, the proportion of (A) ester units to (B) ester units being between the ratios of 1:2n, and 1:x, where x is determined by the relationship, $x{=}216/n^2$, n being the number of carbon atoms in the longest straight chain of R'.

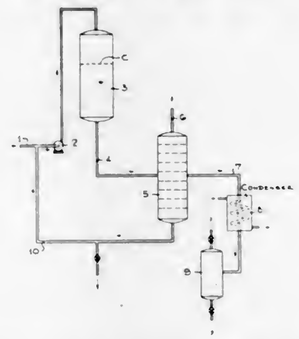
2,600,450
COPOLYMERS OF ACRYLIC AND VINYL ESTERS
William L. Van Horne, Philadelphia, Harry T. Neher, Bristol, and La Verne N. Bauer, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 12, 1950, Serial No. 161,725
6 Claims. (Cl. 260—86.1)

1. A copolymer of (A) an ester of acrylic acid and a saturated monohydric aliphatic alcohol, ROH, in which R is an alkayl chain of 16 to 18 carbon atoms, and (B) a vinyl ether of a saturated aliphatic monocarboxylic acid of 6 to 12 carbon atoms, the proportion of the acrylic ester (A) groups to the vinyl ester (B) groups being from 1:2 moles to 1:(3n—10), where n is the number of carbon atoms in the longest chain of the vinyl ester.

2,600,451
COPOLYMERS OF METHACRYLIC AND VINYL ESTERS
William L. Van Horne and La Verne N. Bauer, Philadelphia, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 12, 1950, Serial No. 161,726
4 Claims. (Cl. 260—86.1)

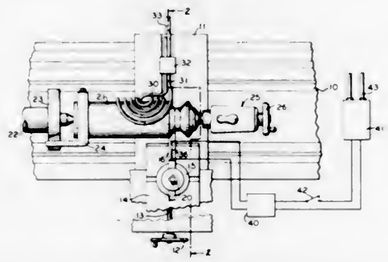
1. A copolymer of (A) an ester of methacrylic acid and a saturated monohydric aliphatic alcohol, ROH, in which R is an alkyl chain of 16 to 18 carbon atoms, and (B) a vinyl ester of a saturated aliphatic monocarboxylic acid of 6 to 12 carbon atoms, the molar proportion of the methacrylic ester (A) groups to the vinyl ester (B) groups being from 1:1 to 1:12.

2,600,452
CATALYTIC IMPROVEMENT OF HYDROCARBON SYNTHESIS PRODUCT
Alexis Voorhies, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 1, 1947, Serial No. 758,329
8 Claims. (Cl. 260—450)



1. The method of improving the quality of a synthetic normally liquid hydrocarbon product formed by reacting carbon monoxide and hydrogen in the presence of a synthesis catalyst, the major portion of which boils in the gasoline boiling range and contains oxygenated compounds and large amounts of alpha olefins which comprises subjecting the said product in a reaction zone to the influence of heat in the presence of a spent and contaminated cracking catalyst containing silica and alumina that has become deactivated in the cracking of liquid hydrocarbons so that it has a D+L value of not substantially above 20 during a relatively short contact time corresponding to a space velocity of approximately 2–5 volumes of cold oil per volume of catalyst calculated on a fixed bed basis at temperatures of from about 800° F. to about 975° F., the space velocity being the higher the higher the temperature within the range specificed, and vice versa.

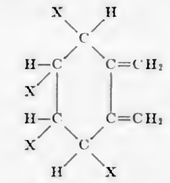
2,600,453
METHOD AND APPARATUS FOR CONTROLLING HEAT IN HOT MACHINING PROCESSES
Richard I. N. Weingart, New York, N. Y.
Application June 25, 1949, Serial No. 101,352
20 Claims. (Cl. 219—1)



10. In the art of machining materials to predetermined shapes by reducing the shear strength of the material through heating by the use of controlled applied heat which heats portions of the work and then removing portions of the work so heated by the use of a tool, the method which consists in controlling the application of heat by changing the distance between an induction heating coil and the work, measuring the strain between the cutting tool and the work by means of a strain gauge mounted on the cutting tool, decreasing such distance as the strain increases and increasing it as the strain decreases.

2,600,454
RESINOUS MATERIALS FROM 1,2-DIMETHYLENECYCLOHEXANES
John E. Wicklatz, Bartlesville, Okla., and James N. Short, Cincinnati, Ohio, assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 15, 1948, Serial No. 60,172
10 Claims. (Cl. 260—83.7)

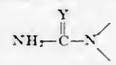
1. In a process for the production of a polymeric material of high molecular weight by the polymerization of a monomeric material comprising a conjugated diene, the improvement which comprises polymerizing a monomeric material comprising a 1,2-dimethylenecyclohexane having a composition in accordance with the following structural formula:



where any X is selected from the group consisting of hydrogen, methyl, ethyl, n-propyl, i-propyl, n-butyl, i-butyl, methoxy, ethoxy, propoxy, butoxy, the total number of carbon atoms in the preceding X radicals being not greater than 12, phenylmethyl, phenylethyl, phenylisopropyl, phenyl-n-propyl, phenylisobutyl, phenyl-n-butyl, phenyl, methylphenyl, ethylphenyl, isopropylphenyl, n-propylphenyl, chlorophenyl, bromophenyl, fluorophenyl, the total number of phenyl-containing radicals in the preceding X radicals being not greater than 3, chloro, bromo, fluoro, in the presence of a polymerization catalyst and under polymerization conditions which will produce a polymeric material of high molecular weight from 1,3-butadiene.

2,600,455
FIRE-RETARDANT COMPOSITIONS
Ivan V. Wilson, Wakefield, and Ralph Marotta, Malden, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 31, 1950, Serial No. 182,633
13 Claims. (Cl. 260—6)

12. A fire-retardant composition comprising (1) a water-dispersible, heat-convertible condensation product of an aldehyde and an amino compound containing from 1 to 9 carbon atoms and having the grouping



where Y is a member selected from the class consisting of O, S and N— and where the free

valences on the nitrogen atoms are attached to atoms selected from the group consisting of hydrogen and carbon atoms and (2) a reaction product of phosphorous pentoxide and ammonia which is substantially insoluble in cold water.

2,600,456

PROMOTION OF DITHIONATE ION FORMATION IN LEACHING OXIDIC MANGANESE ORES WITH SULFUR DIOXIDE SOLUTIONS

Wallace F. Wyman, deceased, late of Salt Lake City, Utah, by Wallace J. Wyman, administrator, Waseca, Minn., and Alexander E. Back, Salt Lake City, Utah, assignors to the United States of America as represented by the Secretary of the Interior

No Drawing. Application December 30, 1948, Serial No. 68,382
4 Claims. (Cl. 23—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a process for the recovery of manganese values from oxidic manganese ores comprising the steps of forming a slurry of manganese ore, treating said slurry with SO_2, separating the insoluble material from the solution, and precipitating manganese values from said solution, the improvement which consists in adding petroleum fractions so as to promote dithionate ion formation in the SO_2 reaction.

2,600,457

COPOLYMERS OF FATTY OIL MODIFIED POLYESTERS AND VINYL MONOMERS

John Wynstra, Bloomfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application February 28, 1950, Serial No. 146,929
12 Claims. (Cl. 260—22)

1. A fusible soluble copolymer of (1) a vinyl monomer having the formula $CH_2=CHR$ where R is a group having unsaturation in conjugation with the $CH_2=CH$ group and selected from the group consisting of aryl, heterocyclic, carbalkoxy, carboxy, ketonic, nitrile and amido, and (2) a fusible polyester of a polyhydric alcohol coesterified with the fatty acids present as glycerides in fatty oils, said acids being selected from group consisting of saturated acids and unsaturated non-conjugated acids, and with a dibasic adduct selected from the group consisting of delta-1,4-dihydrophthalic acid and the Diels-Alder adducts of a diolefine selected from the group consisting of, dicyclopentadiene and cyclopentadiene and an acidic reactant selected from the group consisting of the acids and anhydrides of maleic, chloromaleic and fumaric; said polyester having a calculated fatty oil content of at least 50 per cent by weight and an average of between one and three diacyl residues of said adduct per polyester molecule.

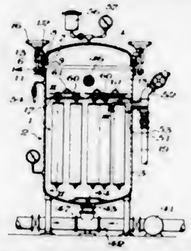
2,600,458

UPFLOW PRESSURE DIATOMITE FILTERING APPARATUS

Harry A. Ackley, Sewickley, Pa., and Ralph N. Perkins, Omaha, Nebr.

Application March 25, 1950, Serial No. 151,978
4 Claims. (Cl. 210—184)

1. Filtering apparatus comprising a filter tank, a partition plate dividing the tank into an upper chamber provided with an effluent discharge opening and a lower chamber having an influent inlet opening, filter septa extending from said upper chamber through said plate and into said lower chamber, said septa each having a perforated head portion opening into said upper chamber, a body portion lying in the lower chamber and a conduit connecting said head to said body portion, said body portions each being formed with a porous side wall adapted to receive a coating of diatomaceous earth, pressure means for forcing influent in said lower chamber inwardly through each septum upwardly through said conduit and outwardly through said perforated head and said discharge opening, a normally-closed valve mounted in each septum for shutting off flow through said conduit from the upper into the lower chamber, said valve being opened by said pressure for the flow of liquid from the lower into the upper chamber, a perfo-



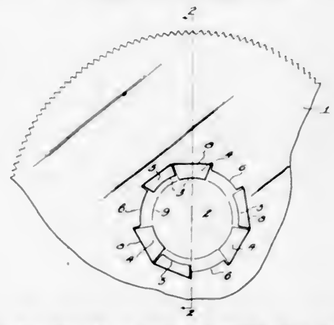
rated air conduit extending interiorly of each septum from said body portion into said head, the upper end of said last-mentioned conduit being in open communication with the effluent in the upper chamber, a valve-controlled exhaust conduit connected into a side of said lower chamber a spaced distance below said partition plate for draining the lower chamber substantially to that level, a portion of the effluent in the upper chamber also draining out through said exhaust conduit by flowing through said perforated air conduit and said porous septa side walls into said lower chamber, and compressed air mechanism connected into said upper chamber and communicating with said lower chamber through said perforated air conduit for air washing said septa side walls substantially as described.

2,600,459

CIRCULAR SAW WITH ADJUSTABLE ARBOR-RECEIVING OPENINGS

Ivan R. Adams, Columbus, Ohio

Application December 23, 1949, Serial No. 134,830
3 Claims. (Cl. 143—133)



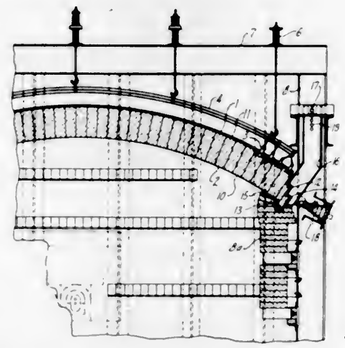
1. In an article of manufacture, an arbor-engaging hub portion formed with a plurality of sets of radially disposed relatively spaced inward projections, the projections of each of said sets being arranged to define circumferentially spaced segments of a circular arbor-receiving opening of given diameter, and each set of projections defining segments of a circular opening of different diameter from that defined by the other sets, the projections of certain of said sets being removable from said hub portion to permit the latter to accommodate arbors of varying diameter.

2,600,460

TILE ARCH STRUCTURE

Philip W. Antill, Ridgefield Park, N. J., assignor to M. H. Detrick Company, Chicago, Ill., a corporation of Delaware

Application November 12, 1948, Serial No. 59,714
4 Claims. (Cl. 110—99)



1. In a tile arch structure for industrial heating furnaces, a skew-back roof tile support comprising a plate of zigzag shape in cross-section in a vertical plane diametrically through the arch having the upper face thereof abutting the end tile of the arch and having the bottom face supported independently of the arch, and refractory brick disposed intermediate the upper and bottom end faces of the skew-back to constitute a refractory lining for the skew-back plate.

2,600,461

SHOE SOLE COMPOSITION

Cecil F. Backus, Wilmington, Del.

No Drawing. Application March 17, 1949, Serial No. 82,022
4 Claims. (Cl. 260—8)

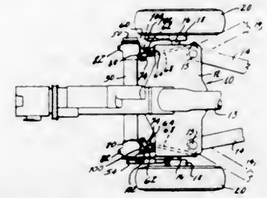
1. A coating composition for spreading with a spatula or the like and having good adhesive and drying properties, and flexibility together with high resistance to cold-flow and wear in the dry condition, comprising 100 parts milled polychloro-2-butadiene 1,3 substantially insoluble in hydrocarbon solvent prior to milling and alone having optimum stickiness and a plasticity within the approximate ASTM number range of 280 to 355 based on a temperature of 80° C. and said polymer being dissolved in about 250 to 400 parts by weight of a hydrocarbon solvent, 1 to 10 parts of an initial tack and bond strength improving resin of the group consisting of wood rosin derivatives, phenol-formaldehyde resins and coumarone-indene resin, and about 30 to 70 parts by weight filler of which at least about 40% is made up of fibers.

2,600,462

TORSIONAL EQUALIZER SUSPENSION DEVICE

Ralph C. Bateman, Akron, Ohio

Application February 24, 1947, Serial No. 730,609
9 Claims. (Cl. 280—6)



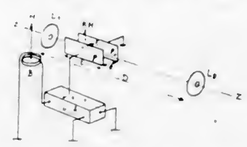
1. A vehicle support including a frame, stub shafts extending oppositely from the frame, a bell crank pivotally mounted on each shaft and having one arm portion extending substantially horizontally of the vehicle and the other arm portion extending substantially at right angles to the first arm portion, a wheel rotatably mounted at the end of the first-named arm portion, a torsion bar mounted on the frame of the vehicle adjacent each wheel, means fixedly holding one end of each torsion bar, means rotatably journaling the other end of each bar, an arm on the free end of each bar, a link connecting the end of the arm to the second-named arm portion of the adjacent bell crank, a housing surrounding the torsion bars, means pivotally mounting the housing on the vehicle frame, cam means for releasably locking the housing to the frame, means for releasably locking the arms on the torsion bars against movement, and means for simultaneously locking the arm locking means and unlocking the cam means.

2,600,463

METHOD FOR CORRECTING ELECTRONIC OPTICAL SYSTEMS

François Bertein, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

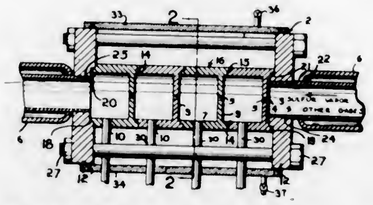
Application December 24, 1948, Serial No. 67,195
In France January 26, 1948
1 Claim. (Cl. 315—8)



In an electronic optical instrument comprising an envelope enclosing an electron beam, means for focussing the said beam, an electrode system for correcting the effect of stray alternating current fields on said beam, said system being formed of two pairs of deflecting plates, the plates of one of said pairs being substantially parallel to each other, and substantially perpendicular to the plates of the other pair of plates, the said plates being arranged symmetrically around the said beam inside the envelope of said instrument, two coils whose axis are substantially perpendicular to each other arranged in the vicinity of said beam and located outside of the envelope of said instrument, means for amplifying the voltages induced in said coils by the stray alternating current fields, means for

feeding the amplified voltage of one of said coils to one of said pairs of deflecting plates, and means for feeding the amplified voltage of the other coil to the other pair of plates.

2,600,464
APPARATUS FOR SEPARATION OF SULFUR VAPOR
Eddie S. Boe, Newgulf, Tex.
Application March 12, 1947, Serial No. 734,256
6 Claims. (Cl. 183—1)



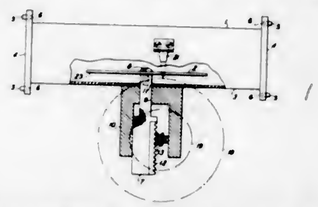
1. A device for condensing sulphur vapors from gases comprising, a plurality of cooperating flanged tubular sections connected together to form a container for passage of gases therethrough, end plates in said container removably connected together to retain said sections in position, an inlet conduit connected through one of said end plates, an outlet conduit connected through the other of said end plates, and a plurality of spaced vertically arranged constriction members in said container, there being an opening through each of said members which is of relative small area compared to the area of said member.

2,600,465
METHOD OF OXIDIZING ACIDIC SULFUR COMPOUNDS OF THE TYPE WHICH OCCUR IN HYDROCARBON OIL
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application February 14, 1946, Serial No. 647,664
11 Claims. (Cl. 196—29)

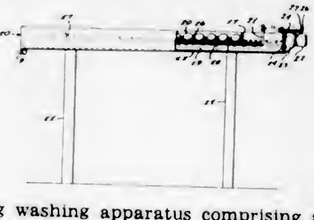
1. The method of oxidizing acidic sulfur compounds of the type which occur in hydrocarbon oils comprising contacting said compounds with an oxidizing agent in the presence of an alkali solution containing a small amount of an oxidation promoter, said promoter being a dihydroxyalkoxy benzene in which the hydroxy groups are adjacent to each other, and controlling the oxidation to prevent oxidative destruction of said promoter.

2,600,466
WAVE GUIDE ATTENUATOR
Arnold E. Bowen, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 7, 1943, Serial No. 486,013
21 Claims. (Cl. 178—44)

13. An attenuator for use in a wave guide in which high frequency electric waves are propagated comprising a wave guide portion having a mode of propagation in which the maximum intensity electric vector lies in a flat plane symmetrically through and longitudinal of said guide portion, a thin, flat resistance member carried by said guide section and having an effective portion thereof lying in a plane parallel to the maximum intensity electric vector and means for moving said effective portion from a region of minimum electric field intensity to a region of maximum electric field intensity whereby a continuously variable degree of attenuation may be provided.



2,600,467
EGG WASHING AND SCRUBBING APPARATUS
Louis J. Bowler, Middletown, Calif.
Application July 2, 1948, Serial No. 36,793
2 Claims. (Cl. 15—3.12)



1. Egg washing apparatus comprising a shallow, rectangular tank having an open upper side, egg holding means disposed in and secured to said tank comprising a piece of wire mesh extending from side-to-side and from end to end of said tank and positioned above and substantially parallel to the tank bottom wall, said wire mesh having openings of a size to closely receive eggs individually therein, egg scrubbing means in said tank below said holding means comprising a flat plate extending longitudinally and transversely of said tank a distance below said wire mesh holding means to support eggs in the openings of the wire mesh and a fabric covering over the upper surface of said plate, said plate being longitudinally reciprocable in said tank, means supported on the bottom of said tank supporting said plate in position spaced from and substantially parallel to the tank bottom, and means carried by said tank and operatively connected to said plate to impart reciprocating movement to the latter.

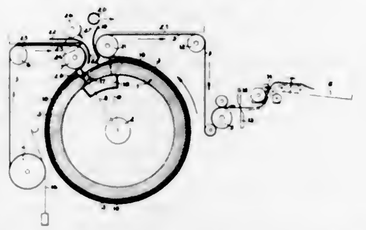
2,600,468
PACKER FOR WELLS
Neil T. Breaux, Houston, Tex.
Application July 16, 1948, Serial No. 39,081
6 Claims. (Cl. 166—12)

1. A packer assembly for wells comprising a packer body, said body having inner and outer tubular sections telescopically arranged, means connecting one of said sections to an operating string above said assembly, one of said sections having a longitudinal slot provided with a laterally extending notch, a pin on the other of said sections extending into said slot and movable into said notch upon relative rotation of the sections in one direction to hold the sections against relative longitudinal movement, said pin being movable out of said notch upon relative rotation of the sections in the other direction to permit relative longitudinal movement of the sections, an expansible packer around the body, a slip expander around the body on the packer, expansible casing-engaging slips around the expander, means slideable on the body and frictionally engageable with the casing to resist rotation thereof when the packer body is rotated and from which the slips are suspended, means initially connecting the friction means with the



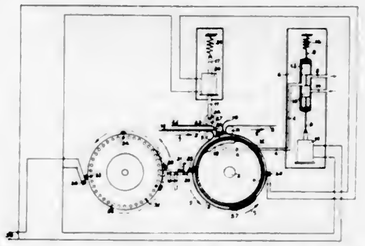
tubular section connected to the operating string above the assembly and releasable upon rotation of the body relative to the friction means to allow the body and expander to move upwardly relative to the slips to expand the slips into engagement with the casing, and connector means releasably connected to said other of said sections and connected to the well equipment below said assembly, said connector means being engageable with the lower end of the packer upon further upward movement of the body, to expand the packer.

2,600,469
EXPOSURE APPARATUS FOR PHOTOGRAPHIC CONTACT PRINTING ON ROTARY CYLINDERS
Theo Pierre Chretien Breuers and Theodoor Hillebrand Linthout, Venlo, Netherlands, assignors to Chemische Fabriek L. Van Der Grinten, a company of the Netherlands
Application August 31, 1948, Serial No. 47,004
In the Netherlands September 3, 1947
16 Claims. (Cl. 95—77.5)



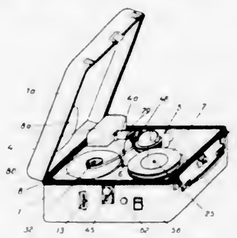
1. In a photographic contact printing apparatus, a rotatable light pervious cylinder to contain a light source for exposure of sheet material on the cylinder, air duct means in the light pervious body of the cylinder opening to its outer surface and distributed thereon along a generating line at a limited circumferential part thereof, and an air displacement system to communicate with said duct means including means for applying suction therethrough to hold to said surface the leading margin of a sheet to be exposed thereon at least while said duct means moves through a minor portion of its path of rotation.

2,600,470
AUTOMATIC EXPOSURE APPARATUS FOR MAKING PHOTOGRAPHIC PRINTS
Theo Pierre Chretien Breuers and Theodoor Hillebrand Linthout, Venlo, Netherlands, assignors to Chemische Fabriek L. van der Grinten, a company of the Netherlands
Application October 5, 1948, Serial No. 52,922
In the Netherlands October 6, 1947
18 Claims. (Cl. 95—77.5)



1. An exposure apparatus for contact photoprinting, comprising a light pervious exposure member having a surface to receive sheet material for printing, said member being mounted for cyclic movement through an exposing path about a light source to expose through said member material held on said surface and then through a return path to resume exposing movement, normally inactive means adjacent said member for delivering an original sheet to said surface in said return path, and control means including a counting device, means operated in each exposing movement of said member to move said counting device, and means controlled by said counting device to activate said sheet delivering means after a predetermined number of such movements.

2,600,471
APPARATUS FOR SOUND RECORDING AND REPRODUCTION ON FILMS
Jean Brière, Vichy, France
Application May 29, 1948, Serial No. 30,064
In France June 20, 1947
5 Claims. (Cl. 179—100.3)



1. An apparatus for the recording and reproduction of sound by means of a film carrying a

plurality of sound tracks, having a rotatable drum provided with a transparent slot and an electro-optical system arranged inside the drum opposite the slot, comprising in combination: a stationary hollow carrier for receiving the lower part of the scanning system; a cylindrical sheath rotatably arranged with respect to said carrier and surrounding same, said sheath serving as rotatable drum for the film; and a fork having a stationary pivot and having its fore end connected to said sheath so as to impart to said sheath axial displacements with respect to said carrier so as to expose any of the sound tracks of the film to the scanning system.

2,600,472
ELECTRICALLY HEATED IMPLEMENT
George D. Brock, Chicago, Ill.
Application June 21, 1947, Serial No. 756,118
6 Claims. (Cl. 219—21)



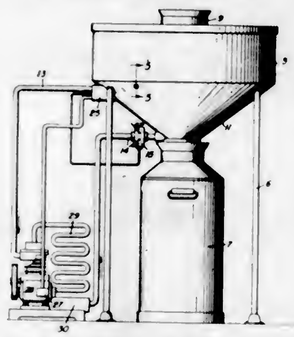
1. In an electrically heated hair treating device comprising a hair engaging element having an electrically operated heating means therein which includes a heat transmitting core member provided with portions extending at one side of said hair engaging element, the improvement which comprises a handle member enclosing the extending portions of said core member, a bimetallic switch element and a cooperating spring contact element arranged between the extending portions of said core member, a horizontally movable cam member in said handle, said cam member being adapted to engage said spring contact element, a rotatable adjusting member in the outer end of said handle, the inner end of said adjusting member being adapted to engage the end of said cam member whereby rotation of said adjusting member controls the movement of said cam member.

2,600,473
MAGNETIC CORE
Frank Brockman, Dobbs Ferry, N. Y., assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y.
Application January 26, 1949, Serial No. 72,960
6 Claims. (Cl. 175—21)



1. An electrical inductance assembly for operation at frequencies above about one megacycle comprising a core consisting of a mixed crystal ferrite having a magnetic permeability of the order of 1000 and a dielectric constant of the order of 10^4 to 10^5 and means to produce a flux in a given direction in said core, said core having a cross-sectional area one dimension of which is greater than about one-half the effective wavelength of the wave generated in said core at the highest operating frequency of said inductance assembly, said core comprising a plurality of laminations arranged parallel to the given direction of flux, each lamination having a cross-sectional area one dimension of which substantially at right angles to the direction of flux is smaller than one-half the said wave-length of the wave produced in said core.

2,600,474
LIQUID COOLER
Julius M. Brunstad, Colfax, Wis.
Application February 17, 1949, Serial No. 76,871
5 Claims. (Cl. 62—141)



1. A liquid cooler comprising a funnel-shaped body having a hollow wall, a cooling coil in the wall, said wall having a groove at the inside of the body for the passage of liquid from an upper to a lower portion of the body, and means positioned in the body against the hollow wall to confine the liquid in the groove to travel therein.

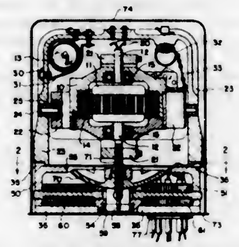
2,600,475
BELT MOUNTING FOR MAGNETIC RAIL CONVEYERS
Dario Buccicone, Gary, Ind.
Application May 15, 1951, Serial No. 226,479
3 Claims. (Cl. 198—41)



1. In a magnetic rail conveyor which includes a pair of spaced apart side plates, magnets mounted therebetween and having downwardly facing poles, a bottom member between said side plates and having longitudinal grooves in its underface, sheaves mounted at the ends of said side plates, and endless belts surrounding said sheaves and riding in said grooves, the combination with said bottom member of a plurality of sets of rollers, each set of which is mounted between a successive pair of magnets and on which said belts ride to reduce the frictional resistance opposing their movement.

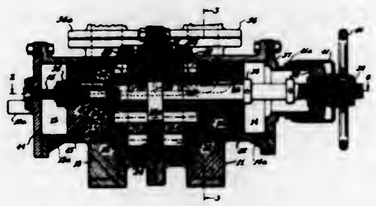
2,600,476
COERCING MEANS FOR GYROSCOPES
William W. Bursack, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 30, 1950, Serial No. 187,712
9 Claims. (Cl. 74—5.4)

1. Means for coercing a gyroscope which is mounted on a frame for pivotal movement about a pair of axes disposed normal to one another comprising, a magnetic core structure attached to said frame and including a central pole member and two pairs of pole members each member of which abuts at one extremity said central pole member to form a cruciform shaped structure, the pole members of each pair being so aligned with one another and said central pole member to be normal to one of said axes about which said gyroscope is adapted to be pivoted, an energizing winding mounted on each of said pole members forming said pairs, means adapted to variably control the energization of said windings



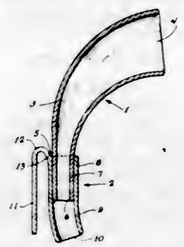
from a D. C. source of power such that like magnetic polarities exist at the extremities of said pole members abutting said central pole member and such that the strength of the magnetic poles varies inversely between the pole members forming said pairs, and a spherically shaped member of magnetic material secured to said gyroscope and magnetically associated with said core structure.

2,600,477
PROPORTIONING PUMP
Robert V. Burt, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application August 21, 1947, Serial No. 769,820
15 Claims. (Cl. 103—120)



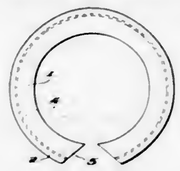
1. In a pump, a housing having two sets of inlet and outlet chambers, a common gear in said housing, a pair of individual gears in said housing, each in meshing relationship with said common gear, means coacting with the teeth of said gears to close pockets formed between said teeth for the travel of material being pumped from said inlet chambers to said outlet chambers, and means for effecting a shifting of the axial positions of said common gear and said individual gears whereby to vary the axial extent of the meshing of said common gear with said individual gears inversely, and further means for dividing said sets of inlet and outlet chambers, said means comprising a partition element having teeth which maintain a continuous meshing with all of the teeth of said common gear, said element being rotatable with said common gear but slidable axially with respect to it, while maintaining a fixed axial position with respect to said individual gears and extending in part at least between said individual gears.

2,600,478
URINAL DEVICE
William J. Butcher, Jamaica, N. Y.
Application March 10, 1949, Serial No. 80,590
6 Claims. (Cl. 4—119)



1. A device for receiving a urinal member and supporting the same on a wall of a bed pan which comprises an open ended elongated tubular receiving element adapted to engage one side of the wall of a bed pan, a mounting plate of substantially the same length as said tubular receiving element, and of a width substantially the same as its length, said plate extending in substantially the same direction as said tubular receiving element and in spaced relation thereto and being adapted to engage the other side of said bed pan wall, the lower portion of said tubular receiving element being curved away from said mounting plate and a bridging member extending between and secured to the upper end of said tubular element and the upper end of said mounting plate, said bridging member being adapted to lie across the upper edge of said bed pan wall and secure said tubular element and said mounting plate in said spaced relationship.

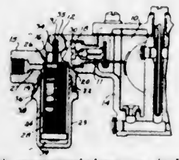
2,600,479
ATTACHMENT FOR DRINKING CUPS, GLASSES, AND SIMILAR RECEPTACLES TO PREVENT THE SPILLING OF LIQUIDS CONTAINED THEREIN
José Campomar, Montevideo, Uruguay
Application July 10, 1950, Serial No. 172,814
In Argentina October 25, 1949
2 Claims. (Cl. 65—13)



1. An adjustable splash guard for drinking cups, glasses, and similar receptacles to prevent spilling of liquids contained therein, especially when drinking same on vehicles in motion, said attachment comprising a unitary generally annular ring of resilient material having a gap of substantial width in one side thereof, said ring having a normal size greater than that of the mouths of receptacles with which it is to be used, and tending to re-expand when it is contracted and its gap narrowed to enable it to be mounted in such receptacle mouths, said gapped resilient ring comprising a substantially vertically extending wall to lie within and expand against the inner surface of the receptacle adjacent its

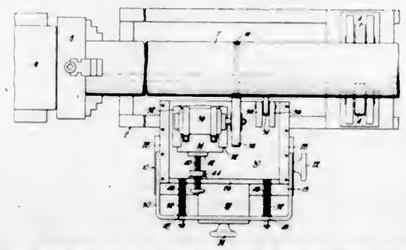
upper edge, a generally horizontal outwardly extending flange to overlie the rim of the receptacle, and a downwardly and inwardly inclined splash intercepting portion forming a truncated conical surface, the gap in said gapped ring providing a space for the passage of liquid over the rim of the receptacle when the receptacle is tilted theretoward with the ring in place in its mouth.

2,600,480
FILTER UNIT
Frederick W. Cloedy, Sappington, and Clarence E. Holt, Richmond Heights, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application September 10, 1947, Serial No. 773,160
1 Claim. (Cl. 210—164)



A filter unit comprising a tubular filter element, a spindle extending longitudinally through said element and forming an annular fluid passage therein, a member on the spindle abutting one end of said element, and a sheet metal disk member with a central aperture threaded on said spindle and engageable with the opposite end of said element for clamping said element between said members, said second member having alternate inward, thread engaging tongues and lateral projections struck outwardly from the disk to form fluid passages communicating with said annular passage, said projections internally engaging said filter element and serving in cooperation with said first member to position said element substantially concentrically of said spindle.

2,600,481
GRINDING FIXTURE FOR WELDED TUBING
John A. Clyde, Ellwood City, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application May 28, 1951, Serial No. 228,617
3 Claims. (Cl. 51—105)



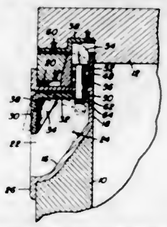
1. Apparatus for machining a circumferential belt on a length of tube, pipe or the like while supported horizontally for rotation about its axis, comprising a grinding fixture including an elevatable table, power means for raising and lowering the table, a support platen having forward and rearward edges slidably mounted on said table for movement toward the tube, resilient means for urging said platen toward the tube, a tube-contacting guide mounted on said platen and extending beyond the forward edge thereof, whereby the forward movement of the platen is limited, a grinder slidably mounted on said platen and positioned for rotation against the periphery of the tube and means for adjusting the position of the grinder with respect to the forward edge of the platen.

2,600,482
ELECTRIC DELAY CIRCUIT
Raymond E. Collis, Summit, N. J., and Joseph W. Dehn, Great Neck, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 13, 1948, Serial No. 26,208
8 Claims. (Cl. 171—97)



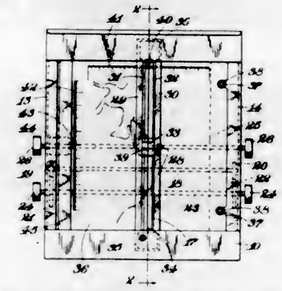
1. In a time delay circuit, a dry rectifier having an anode and a cathode, a switch, a first source of potential connected to the cathode of said rectifier through said switch, a resistor, a second source of potential negative relative to said first potential connected to the cathode of said rectifier through said resistor, a series circuit comprising a third source of potential positive relative to said first and said second sources, a second resistor, a capacitor, and a fourth source of potential negative relative to said first source, a connection between the anode of said rectifier and said series circuit at a point between said second resistor and said capacitor, means for operating said switch, and means operative in response to current flow through said rectifier.

2,600,483
LATCH MECHANISM
Angelo Colonna, Philadelphia, Pa.
Application April 18, 1949, Serial No. 88,162
2 Claims. (Cl. 292—173)



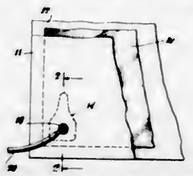
1. A latch assembly comprising a casing having walls defining a recess, said walls having a flange disposed peripherally of the mouth of said recess and extending outwardly from the mouth of the recess and comprising an attachment plate, a finger lift pivoted on the casing and having a finger piece substantially co-planar with said flange and an arm extending into said recess, a catch having a shank extending through one of said walls and operatively connected with said arm, a guide having a bore and removably secured exteriorly to said one wall, said catch having a beveled head and a shank, a spring coaxially mounted on said shank compressed between said head and the exterior surface of said one wall, said arm having a bifurcated portion and said shank having a removable transverse member directly and frictionally engaged by said bifurcated portion.

2,600,484
APPARATUS FOR INDICATING A COORDINATE POSITION ON A CHART
John Basil Copping, London, England, assignor to The Decca Record Company Limited, London, England, a British company
Application November 19, 1948, Serial No. 60,915
In Great Britain November 21, 1947
1 Claim. (Cl. 33—1)



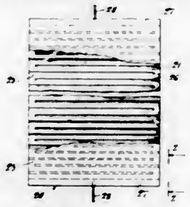
In a chart position indicator for indicating a geographical location in terms of a non-rectilineal coordinate system, the combination of: a chart of a geographical area embracing said location, said chart being so distorted that said non-rectilineal coordinate system is represented on said chart by two intersecting families of parallel straight lines; a housing including means for releasably holding said chart in an exposed position fixed relative to said housing; a pair of spaced parallel bars in said housing below said chart extending along opposite side edges thereof; a transverse member extending between said bars below said chart; means mounting said transverse member on said bars for sliding movement therealong; a lead screw threadedly engaging said transverse member mounted for rotation in said housing; a first manual control means on the outside of said housing connected to one end of said lead screw to permit said screw to be rotated manually; a transparent slide above said chart extending thereacross directly above and parallel to said transverse member; connecting means at the ends of said transverse member beyond said side edges of said chart joining said slide to said transverse member; a transparent indicating member mounted on said slide for sliding movement therealong over the face of said chart; a transverse shaft extending through said housing parallel to said lead screw below said chart; a second manual control means on the outside of said housing secured to one end of said shaft to permit said shaft to be rotated manually; a drum; means mounting said drum on said shaft for rotation by said shaft and for sliding movement along said shaft; means on said transverse member engaging said drum for so sliding said drum as said transverse member is moved; a pair of idler rollers at opposite ends of said transverse member; and a wire wound around said drum, each of the end portions of said wire passing around a different one of said idler rollers and back over the face of said chart, the ends of said wire being secured to opposite sides of said indicating member, whereby rotation of said first manual control means moves said indicating member across the face of said chart in one direction, and whereby rotation of said second manual control means moves said indicating member across the face of said chart at right angles to said one direction.

2,600,485
METAL FOIL HEATING DEVICE
Duncan B. Cox, Woodbury, N. Y.
Application September 16, 1950, Serial No. 185,289
6 Claims. (Cl. 219—19)



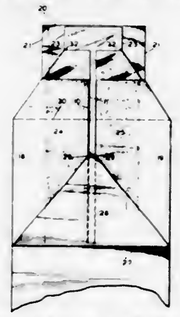
5. An electric heating device comprising: a heating element made of thin flexible metal foil; and an electrical connecting element in the form of a tab made of a relatively stronger flexible metal strip having an elongated tapered section, said tab being secured and electrically connected to the foil with the prong projecting in the direction of the current path.

2,600,486
ELECTRIC HEATER
Duncan B. Cox, Woodbury, N. Y.
Application February 7, 1951, Serial No. 209,794
6 Claims. (Cl. 219—19)



4. In an electric heating device, a heating element comprising a preformed unitary flexible sheet of lead foil less than .002" in thickness, said sheet having slits arranged to provide an elongated relatively narrow tortuous foil path.

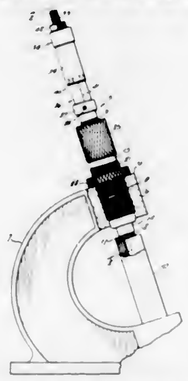
2,600,487
SIFTPROOF BAG BOTTOM
Merle E. Craig, Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
Application July 6, 1948, Serial No. 37,232
1 Claim. (Cl. 229—59)



A sift-proof bag bottom of the character described formed on the bottom end of a multi-

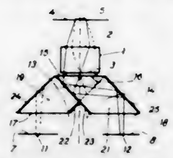
ply bag tube, said bag tube initially having a pair of longitudinal slits centrally spaced in the bottom end of one side wall of the outer ply and a pair of centrally spaced longitudinal slits in the bottom end of the same side wall of the inner ply, said slits in said inner ply being considerably shorter and considerably nearer together than the slits in said outer ply, said bottom end of said tube pressed into two identical main portions together comprising a substantially diamond-shaped bottom section having one end substantially triangularly-shaped, said pairs of slits forming tabs on said outer and said inner plies extending from the other end of said bottom section, said triangularly-shaped end folded over and secured to the bag bottom and extending more than half way across the bag bottom, said other end folded over on said triangularly-shaped end and secured thereto and to said bag bottom, the tab of said inner ply being entirely superimposed on said triangularly-shaped end, and the tab of said outer ply extending considerable distance beyond the edges of said triangularly-shaped end where said ends are overlapped.

2,600,488
CARTRIDGE LOADING TOOL
John D. Crump, Ontario, Oreg.
Application May 4, 1951, Serial No. 224,544
2 Claims. (Cl. 86—43)



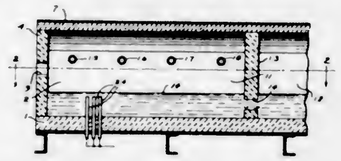
1. In combination a bullet seating frame having a case holder and a head having a bore aligned with said holder, a tubular seating die sleeve secured in the head bore, said die sleeve having a bore for receiving a case and being formed with an interior shoulder adapted to be engaged by a taper on the case so as to preclude endwise movement of the case in a direction away from said case holder, a tubular bullet sleeve having an externally threaded end portion threaded in the end of the die sleeve remote from the case holder and an externally smooth end portion, the bore of said bullet sleeve being internally threaded in the region of said smooth end portion and being internally smooth in the region of said externally threaded end portion of the bullet sleeve, a threaded spindle threaded through the threaded portion of the bullet sleeve bore and having a smooth head slidably engaging the smooth portion of the bullet sleeve bore, said spindle head being formed in the end thereof facing said case holder with a conical recess for accommodating the tip of a bullet, a micrometer head threaded on said spindle adjacent to the smooth end portion of the bullet sleeve and having a tubular skirt rotatably and slidably receiving said smooth end portion, said sleeve having a circumferential micrometer scale thereon, a longitudinal reference line on said smooth end portion with which graduations of the micrometer scale can be aligned, a lock nut on said spindle arranged to engage and lock said micrometer head in selected position on said spindle, and a set screw traversing said bullet sleeve and engageable with said spindle for locking the spindle and bullet sleeve together against relative rotation.

2,600,489
APPARATUS FOR MULTIPLE COPYING OF CINEMATOGRAPHICAL FILMS
Raymond Fernand Adrien Valentin d'Avitaya, Marseille, France
Application November 17, 1948, Serial No. 60,472
In France November 24, 1947
4 Claims. (Cl. 88—24)



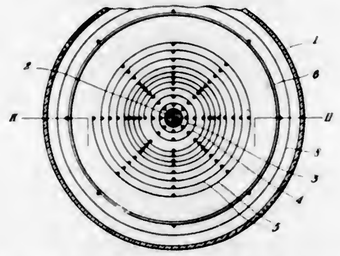
1. In an apparatus for simultaneously and continuously copying a negative film, more particularly its sound record, upon two virgin films, the combination comprising means for continuously driving said negative film and said two virgin films at uniform and equal speeds, an objective receiving the pencil of rays passing through the negative film, and two conjugated light deflecting optical members bisecting said pencil of rays beyond said objective perpendicularly to the direction of motion of said negative film in two divisional pencils of rays and focusing each divisional pencil of rays upon one of said two virgin films.

2,600,490
GLASS MELTING METHOD
Charles F. De Voe, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application April 21, 1947, Serial No. 742,829
1 Claim. (Cl. 13—34)



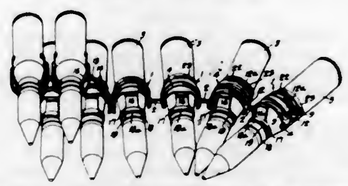
A method of melting glass involving a continuous glass flow which comprises directing combustion heat into a glass-melting zone containing liquid glass, introducing raw glass batch materials into one end of such zone at a rate greater than that at which the supplied combustion heat can melt such batch materials to replace liquid glass withdrawn from such zone at such greater rate, supplying supplemental melting heat to the liquid glass in such zone to make up the combustion heat deficiency by the passage of an electric current transversely of the glass flow through such zone, creating such passage of electric current solely in a transverse section terminating substantially short of the lateral limits of such zone and extending through the liquid glass from the bottom of such zone to substantially the top glass level, said section being adjacent the point of introduction of such raw batch materials into such zone, and controlling the said passage of electric current to establish a convection flow of liquid glass through such section from the area in advance thereof to the area in the rear thereof and then from the area in the rear thereof to the former area via the spaces in such zone extending beyond the lateral limits of such transverse section.

2,600,491
ELECTRON DISCHARGE TUBE APPARATUS
Gesinus Diemer, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 28, 1949, Serial No. 107,288
In the Netherlands September 9, 1948
4 Claims. (Cl. 315—39)



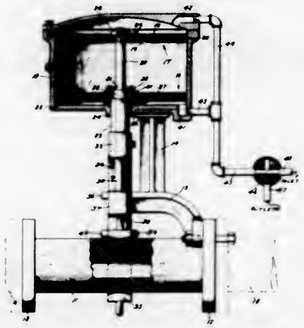
1. An electron discharge tube of the traveling wave type comprising a cylindrical cathode source of electrons, a control grid located in the path of the electrons and surrounding said cathode, electron collecting means surrounding said cathode source and control grid and spaced from said control grid, and a deflecting electrode system interposed between said control grid and said collecting means, said deflecting system comprising a planar traveling wave electrode interposed between said control grid and said collecting means and having a spiral section transverse to the axis of the cathode source and a second planar electrode interposed between said control grid and said collecting means and arranged substantially parallel to said first planar electrode and spaced therefrom.

2,600,492
CARTRIDGE BELT LINK
Paul H. Dixon, Rockford, Ill., assignor to the United States of America as represented by the Secretary of the Army
Application March 13, 1950, Serial No. 149,330
3 Claims. (Cl. 89—35)



3. The improvement in a metallic cartridge belt of the disintegrating link type for sprocket type feed mechanism comprising three axially spaced open loops constituting a main loop embracing said cartridge intermediate two auxiliary loops, the first of said auxiliary loops adapted to embrace the neck of said cartridge and formed with a detent to engage a circumferential crimping groove in said neck, the second of said auxiliary loops embracing the body of said cartridge, a first bridge member integral with said main loop and joining said first auxiliary loop, said first bridge formed intermediate said loops to receive a wedging finger, a second bridge member integral with said main loop and joining said second auxiliary loop formed intermediate said loops to receive a wedging finger said main loop including a centrally spaced slot at each end thereof and a connecting tab comprising a flat body and a cross piece affixed to each end of said body, said tab positioned in one slot of said loop.

2,600,493
PINCH VALVE
Victor W. Farris, Tenefly, N. J.
Application May 19, 1948, Serial No. 27,922
6 Claims. (Cl. 137—139)

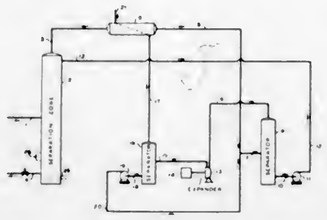


4. A valve comprising: a conduit having normally distended flexible walls; a housing carried by said conduit; a pair of telescoped members extending into said housing, and having pinching jaws at the exterior ends thereof in engagement with the walls of said conduit at diametrically opposed points; a pair of pistons slidably mounted in said housing and secured, respectively, to the interior ends of said telescoped members; and means, communicating with said housing, for conveying a pressure-exerting fluid to said pistons, thereby to actuate said pinching jaws and constrict the walls of said conduit.

2,600,494
LOW-TEMPERATURE SEPARATION PROCESS
Bernardo J. Ferro, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 20, 1948, Serial No. 66,387
9 Claims. (Cl. 62—175.5)

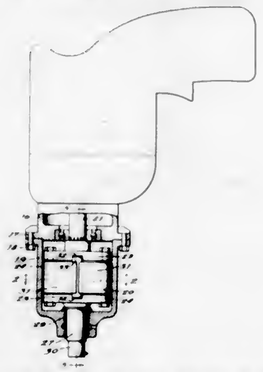
1. A method for the separation of nitrogen from an admixture with higher boiling normally gaseous constituents comprising introducing said admixture at a superatmospheric pressure and at its boiling point under said pressure into a separation zone, removing higher boiling normally aqueous constituents from the separation zone as one product of the process, removing nitrogen containing some of the higher boiling normally gaseous constituents as a first vaporous stream from the separation zone, isentropically

expanding a second vaporous stream comprising the nitrogen and some of the higher boiling normally gaseous constituents of said first vaporous stream, to produce some condensate, separat-



ing the expanded product into a first liquid and a vapor, returning a second liquid comprising said first liquid to the separation zone as reflux and removing the separated vapor as a second product of the process.

2,600,495
IMPACT WRENCH
Clifford E. Fitch, Crete, Ill.
Application October 27, 1948, Serial No. 56,701
13 Claims. (Cl. 192—30.5)



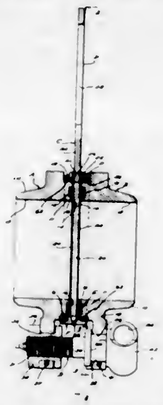
1. An impact mechanism comprising a rotary anvil, a striking lobe on the anvil, a rotary impact member rotatable independently of the anvil, an intermediate member movable between the impact member and the anvil lobe for transmitting the impact load from the impact member to the anvil lobe, and lock means carried by the impact member and operated by the anvil for positively moving the intermediate member.

2,600,496
ANCHORAGE FOR ARTIFICIAL TEETH
Rupert E. Hall, Houston, Tex.
Application July 26, 1948, Serial No. 40,757
7 Claims. (Cl. 32—2)



1. An artificial denture comprising a denture plate formed of moldable material a tooth formed of moldable material and attached to said plate, a hollow tubular insert incorporated into the material of the tooth and which is open at the root end of the tooth, said insert having a side opening shaped to form a lock with the plate material and a cross-pin extending through the insert to reenforce the insert.

2,600,497
LINE BLIND CONSTRUCTION
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application March 1, 1948, Serial No. 12,458
7 Claims. (Cl. 138—89)



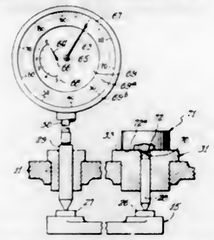
1. A fitting of the character described including, two tubular opposed body sections each with a flange and an inner end portion projecting from the flange and axially of the fitting, clamp means coupling the sections and adapted to shift them axially relative to each other, a plate between the said portions of the sections and engaged thereby, a catch basin separate from the body sections and carried by and extending between the said portions of the sections, the catch basin extending completely around the said portions of the sections and having a lateral extension located between the flanges and passing the plate into and out of operating position between the said portions of the sections, and sealing means engaged around each of said portions of the sections and with the catch basin.

6. A catch basin applicable to a fitting with opposed body sections clamped to a plate including, an annular element with like ends having round openings adapted to slidably receive the body sections, and a lateral extension on said element establishing a passage passing the plate into and out of position between the body sections.

2,600,498
DEVICE FOR GAUGING RECESS DIAMETERS
Hugo A. Hamerly and Seymour H. Wright, Chicago, Ill.; said Wright assignor to said Hamerly
Application February 27, 1948, Serial No. 11,687
10 Claims. (Cl. 33—178)

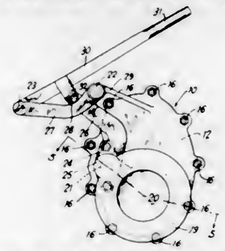
6. In a gauge device of the class described for measuring the diameters of recesses, the combination, comprising, a gauge pin having a conoidal termination, a gauge instrument, and lever means for translating the distance of entrance of the conoidal termination of the gauge pin into the recess into measurement on the instrument of the

diameter of the recess, said lever means including a pair of interconnected levers of different lengths, one of said levers being arranged to be moved a predetermined distance in response to a given distance of movement of the gauge pin into the recess limited by the wall of the recess and the other lever being arranged to move a pre-



determined distance upon movement of the first mentioned lever to actuate the instrument, the levers being related in length in the ratio of 1 to twice the tangent of an angle of a right-angle triangle one side of which is equal to the distance of movement of the gauge pin and another side of which is equal to one-half the diameter of the recess.

2,600,499
SWINGING GATE VALVE MECHANISM
William Harrower, Jersey City, N. J., assignor to Everlasting Valve Company, Jersey City, N. J., a corporation of New Jersey
Application September 25, 1948, Serial No. 51,203
8 Claims. (Cl. 137—750)



1. A swinging gate valve comprising a valve body having inlet and outlet ports and a valve chamber therebetween, a valve gate mounted for oscillation within the valve chamber and swingable to closed position to seal the outlet port, and valve-operating mechanism comprising a gate lever mounted for oscillation with the valve gate, a fulcrum link having an end pivotally mounted on the valve body, and an operating lever having an end pivotally mounted on the other end of the fulcrum link and an intermediate portion pivotally joined to the free end of the gate lever.

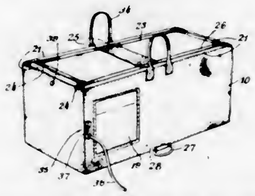
2,600,500
SEMICONDUCTOR SIGNAL TRANSLATING DEVICE WITH CONTROLLED CARRIER TRANSIT TIMES
James R. Haynes, Chatham, and William Shockley, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 24, 1948, Serial No. 50,894
25 Claims. (Cl. 179—171)

2. A signal translating device comprising a semiconductive body having an elongated portion, a base connection to said body, an input circuit connected to said base connection and including means for injecting electric charges of one polarity into said body adjacent one end of said portion, an output circuit connected to said



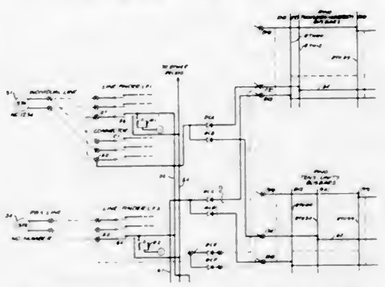
body adjacent the other end of said portion, and means separate from said output circuit for establishing betwen the ends of said portion a biasing potential of the polarity to accelerate flow of said charges toward said other end of said portion.

2,600,501
OXYGEN TENT OR LIKE ENCLOSURE
George William Higgs, London, England
Application December 28, 1948, Serial No. 67,699
In Great Britain October 27, 1947
8 Claims. (Cl. 128—1)



1. An oxygen tent comprising a base and side and end walls of flexible gas-proof sheet material, frame means for supporting said base and walls, a flap extending along the upper edge of each of said walls, fastening means at the ends of said flaps for securing together the ends of each two flaps which meet at a corner of the tent so that said flaps form together a continuous inwardly-directed flange partially enclosing the top of the tent, and an oxygen inlet device mounted on one of said walls.

2,600,502
CALLING LINE AND PRIVATE BRANCH EXCHANGE LINE IDENTIFIER
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1948, Serial No. 23,043
18 Claims. (Cl. 179—18)



1. In combination, a line having an identifying designation, a terminal individual to said line, rectifying devices connected to said terminal, automatic means for applying an impulse to said

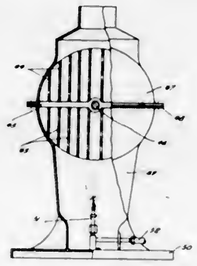
rectifier devices over said terminal, means for producing other impulses, means responsive to said impulse through said rectifying devices for rendering effective said last-mentioned means, and means jointly responsive to an impulse from said automatic means and to said other impulses for identifying said designation.

2,600,503

APPARATUS FOR PRODUCING THE SUSPENSION OF A LIQUID IN A GASIFORM ATMOSPHERE

Fernand Gauchard, Santenay, France

Application October 13, 1948, Serial No. 54,243
In France October 14, 1947
2 Claims. (Cl. 261—115)



1. An apparatus for producing a suspension of liquid in a gasiform atmosphere, comprising means for producing a spray of liquid in a stream of gasiform material, a spherical casing the axis of which is perpendicular to the direction of the spray, a spindle revolubly carried by said casing along its axis, a plurality of perforated plates parallel with one another and with the spindle, means rigidly connecting said plates with the spindle, the peripheries of said plates being defined by a sphere matching the inside of the casing, and means for adjustably modifying the angular setting of the spindle and plates in the casing with reference to parallelism of the plates with the direction of the spray, and a tubular member connected with the outlet of the spherical casing opposed to the spray-producing means and through which the spray devoid of its heavier particles is projected outwardly.

2,600,504

FORMING PAPER FROM MODIFIED CALCIUM ALGINATE FIBERS

Arthur Johnson, Leeds, and Edwin George Millatt, Maidenhead, England, assignors to Alginate Industries Limited, London, England, a British company

No Drawing. Application June 4, 1948, Serial No. 31,226. In Great Britain June 19, 1947
6 Claims. (Cl. 92—21)

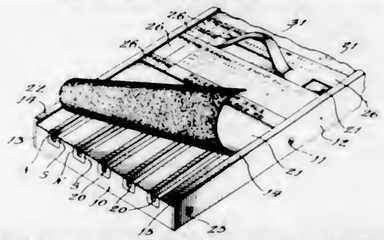
1. A process of making paper which consists in taking water-insoluble alkaline-earth alginate fibres, reducing them to the form of a short-fibre aqueous pulp, introducing a soluble alkali salt of an anion which will form an insoluble salt with the alkaline earth in the insoluble alginate fibres, in sufficient quantity to combine with from 15% to 55% of the alkaline earth, thus causing the fibres to swell, and then causing the fibres to felt together to make paper.

2,600,505

LAYOUT BOARD FOR PHOTOGRAPHIC REPRODUCTION

Max H. Jones, Evanston, Ill., assignor to Tribune Company, Chicago, Ill., a corporation of Illinois

Application August 19, 1948, Serial No. 45,100
3 Claims. (Cl. 40—142)



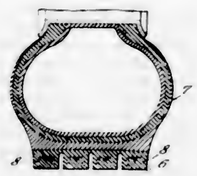
3. A lay-out board for advertising matter to be photographically reproduced for printing, comprising a base of non-magnetic material, marginal flange members on said base having fixed retaining portions overlying and slightly spaced from the top surface of said base at the side edges thereof, a plurality of magnets embedded in said base and so disposed as to afford magnetic attraction substantially throughout the length and breadth of said board, with the pole pieces of the magnets substantially flush with the top surface of the base, and flexible strips of paper having the advertising matter to be reproduced typed thereon and having a backing of magnetic material thereon placed on said surface with the edges received and retained by said flanges and held on said board by said magnets.

2,600,506

METALLIC INSERT FOR PNEUMATIC TIRES

Harold E. Kimes, Chicago, Ill., assignor to Harold E. Kimes Corporation, Chicago, Ill., a corporation of Illinois

Application December 21, 1948, Serial No. 66,437
16 Claims. (Cl. 152—211)



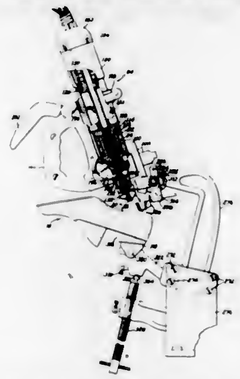
1. A metallic insert for pneumatic tire treads, said insert being substantially U-shape and being adapted to be embedded in the tread of a tire with its plane generally normal to the circumference of the tire, said U-shaped insert having a curvilinear base and a pair of curvilinear arms projecting from said base, the medial portion of said base projecting reentrantly with respect to the U thus formed between said arms whereby wear of the arms and subsequent wear of the medial portion of said base eventually results in the division of said metallic insert into two relatively small pieces of metal extending substantially normal to the tread of the tire.

2,600,507

APPARATUS FOR USE IN THE ATTACHMENT OF HEELS TO SHOES

James F. Leahy and John W. Ashley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application August 7, 1948, Serial No. 43,046
6 Claims. (Cl. 18—30)



6. The combination of an extruder and an injector which has a chamber for receiving softened thermoplastic resin from the extruder and has a plunger constantly urged into said chamber and displaceable in said chamber under pressure of the resin entering said chamber, said injector and extruder having cooperating portions respectively for coupling the injector to the extruder preparatory to receiving softened thermoplastic resin from the extruder and for uncoupling the injector from the extruder preparatory to injecting said resin into a work piece, electrically powered means for operating the extruder, said means comprising a circuit, a solenoid operated switch movable into an active position to close said circuit and from said active position to open said circuit, a solenoid circuit comprising a manually operated normally open switch, a holding circuit for maintaining closed the solenoid circuit once it has been established even though the manually operated switch is open, and a micro-switch which is operative when the injector plunger has been moved to a predetermined position under the action of softened thermoplastic resin injected into the chamber to open said holding circuit thus causing movement of the solenoid operated switch away from its active position and accordingly the stopping of the extruder.

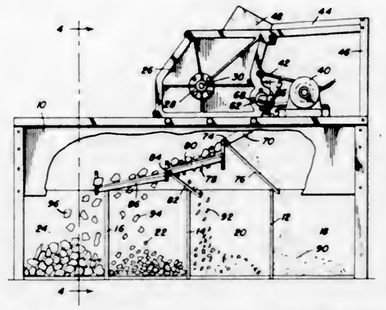
2,600,508

ICE SIZING MACHINE

Harry A. Lehman, James A. Bateman, and William W. Bateman, Mineral Wells, Tex.

Application December 20, 1948, Serial No. 66,182
6 Claims. (Cl. 209—354)

1. In a crushing machine, a device for grading the ice leaving the machine comprising a vertically inclined initial grader through which fine ice passes, a vertically inclined intermediate grader through which certain sizes of the ice leaving the machine passes, a vertically inclined final grader through which certain sizes of the ice leaving the machine passes, and a compartment communicating with the final grader and adapted to receive crushed ice that has not passed through the said graders, said graders being inclined relative to each other and disposed in stepped relationship, the angle of inclination



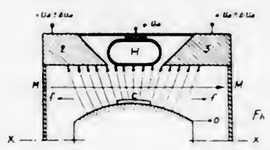
of said initial grader and said intermediate grader being progressively increased over the angle of inclination of said final grader.

2,600,509

TRAVELING WAVE TUBE

Alfred Lerbs, Paris, France, assignor to Compagnie Generale De T. S. F., a corporation of France

Application July 15, 1948, Serial No. 38,917
In France August 1, 1947
10 Claims. (Cl. 179—171)



1. Tube for ultra-high frequencies of the travelling wave type, comprising an anode in the form of a wave propagation delay line parallel to a cathode, means for injecting an electron beam in the space between said anode and cathode, means for producing an electrical field normal to said electron beam between said anode and cathode, means for producing a magnetic field at right angles to said electrical field and to said electron beam, and at least one additional electrode extending parallel to said anode but displaced with respect to this anode in the direction of the said magnetic field, and terminal connections to raise said additional electrode to a potential which is positive relatively to said cathode.

2,600,510

FOLDING GAFF HOOK

Eupelio Lisignoli, Cloverdale, Calif.

Application April 16, 1948, Serial No. 21,468
1 Claim. (Cl. 294—26)

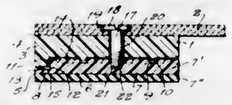
A device of the character described comprising a handle of U-shaped cross sectional area having a hand grip portion, an integrally formed shank portion having an opening adjacent its free end and a pair of outwardly extending spaced parallel guide ears integrally formed with the hand grip portion, a rivet transversely mounted in the shank adjacent the opening therein, and a hook having an eye pivotally mounted on said rivet, said eye extending par-

tially into said opening, and said hook being receivable point foremost between said guide ears



and in said hand grip portion when in folded condition.

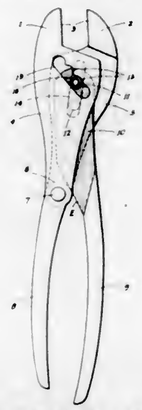
2,600,511
INTERCHANGEABLE HEEL FOR SHOES
Geza Lövy, Buenos Aires, Argentina
Application January 2, 1948, Serial No. 97
In Argentina September 3, 1947
2 Claims. (Cl. 36—42)



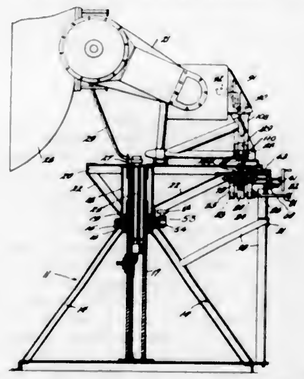
1. In a shoe having a sole, the combination with a relatively rigid first heel portion secured to the sole, of a second relatively rigid heel portion fitted upon the side of the first heel portion opposite to that facing said sole; a substantially centrally disposed screw means extending through the first heel portion and screwed into a threaded recess in the top face of said second heel portion for removably securing said second heel portion to said sole; a generally U-shaped peripheral flange integral upon one of said heel portions and the other heel portion having a corresponding U-shaped peripheral recess portion inter-fitting with said peripheral flange to retain said second heel portion in place upon said first heel portion; inwardly diverging opposed bearing surface portions disposed mutually on the peripheral flange and the corresponding recess portion causing the outer arcuate edges of the heel portions to meet when the latter are brought together and initially close the outer arcuate surfaces of the heels together and provide a tight peripheral junction between said heel portions during assembly; and complementary grooves and projections of semi-circular cross-section provided on said first and second heel portions extending transversely thereof in criss-cross formation upon the mutually opposed interior surfaces of said heel portions within said U-shaped peripheral flange and corresponding peripheral recess portion thereof.

2,600,512
ADJUSTABLE PLIERS
Homer A. Mead, Turlock, Calif.
Application December 27, 1948, Serial No. 67,400
2 Claims. (Cl. 81—44)

2. A pliers comprising a pair of cooperating jaws, a shank integral with one jaw depending therefrom, a handle integral with the shank and depending therefrom, a shank integral with the other jaw and depending therefrom in spaced relation to the first named shank, a fixed-position pivot connecting the shanks at their lower end, another handle opposed to said first named handle, a plate rigid with said other handle and projecting between the shanks, both shanks having a longitudinal slot therein and the slot in the first named shank sloping downwardly and inwardly diagonal to the slot in the other shank, a pin turnably projecting from one side of the plate into and movable along the slot in the first named shank, and another pin turnably projecting from the other side of the plate into and movable along the slot in said other shank; the pins being spaced lengthwise of the plate with the first named pin nearest the jaws; there being means between one pin and the corresponding slot to releasably lock said pin in selected positions of adjustment along said corresponding slot.



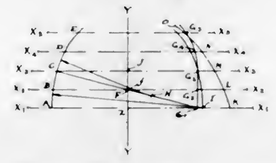
2,600,513
TESTING PEDESTAL FOR RADAR ANTENNA
Emil E. Meilstrup and Ross M. Sigmon, Jr., Winston-Salem, N. C., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1948, Serial No. 51,606
5 Claims. (Cl. 250—33.51)



1. In a testing device for a radar antenna, a base, a platform rotatably mounted on the base,

means for mounting a radar antenna on the platform, a spline gear slidably mounted with respect to the platform, a gear train mounted on the platform to rotate the radar antenna about a horizontal axis, a cam mounted on the platform for selectively moving the spline gear into and out of engagement with the gear train, means for rotating the spline gear to actuate the gear train, a swivel having a threaded aperture therein, said swivel secured to the platform and offset from the axis of rotation thereof, a second swivel having an aperture therein secured to the base, a threaded shaft passing through the second apertured swivel to engage the threaded swivel, and means to rotate the shaft to move the threaded swivel toward the second swivel to rotate the platform about a vertical axis.

2,600,514
ELLIPTICAL TYPE STREET LIGHTING REFLECTOR INCORPORATING PARABOLIC REFLECTING AREAS
Percival H. Mitchell, Toronto, Ontario, Canada
Application February 2, 1948, Serial No. 5,879
4 Claims. (Cl. 240—103)

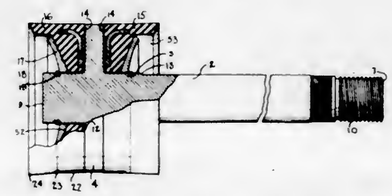


2. A street lighting reflector comprising, a dished reflecting shell having a vertical axis and of elongated generally ellipsoidal form having a horizontal major and minor axis and having a continuously smooth reflecting surface, the curvature of the reflecting surface adjacent each side of the reflector adjacent the minor axis being determined by fixing a point on the vertical axis of the shell as focus of the shell at which a light source is to be located, drawing a line through said focus point in the vertical plane of the minor axis and at an angle to the horizontal corresponding to a desired upward angle of reflected light concentration above the nadir, said line being bisected by said focus point and of a length determined by the desired length of the minor diameter and the said desired upward angle of reflected light concentration, drawing a vertical arc with said line as radius from the upper end of said line to a point substantially in horizontal alignment with the lower end of said line, said arc being the desired vertical curvature of the shell adjacent the bottom thereof at the minor diameter, the horizontal curvature of each side of the reflector adjacent the minor axis adjacent the reflector bottom being determined by swinging arcs in spaced horizontal planes with centres substantially in vertical alignment with the centre of the vertical arc, the horizontal arcs being of decreasingly smaller length in planes upward from the reflector bottom, the curved area of the reflector adjacent the minor axis at each side of the reflector as determined by said vertical arc and said horizontal arcs forming a substantially parabolic area having a focal length equal to one half the radius of the vertical and horizontal arcs and with the focus point coinciding with the focus of the shell located on the vertical axis thereof.

2,600,515
PROCESS FOR THE UTILIZATION OF BLAST FURNACE SLAG IN ROTARY CEMENT FURNACES
Heinrich Wilhelm Mooser, Maastricht, Netherlands
No Drawing. Application January 19, 1948, Serial No. 3,173. In Belgium October 24, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 24, 1965
5 Claims. (Cl. 106—100)

1. The method of manufacture of cement clinker in cement kilns which comprises drying and pulverizing blast furnace slag, directing a flame into the kiln, moving material containing lime through the kiln toward the flame therein, introducing the dried pulverized blast furnace slag directly into the flame of the kiln for melting the slag into drops and allowing the melted drops of slag to gravitate onto the material in the kiln travelling towards the flame for intimately incorporating the melted drops of slag into the material in the kiln.

2,600,516
SLUSH PUMP PISTON AND ROD ASSEMBLY
William E. Pielop, Jr., Houston, Tex.
Application October 27, 1948, Serial No. 56,835
2 Claims. (Cl. 309—33)



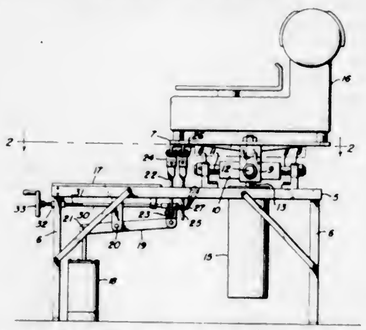
1. A seal ring for slush pump pistons comprising, a cup shaped resilient body, a flat base thereon to abut the face of a piston flange, an annular peripheral surface including a cylindrical portion adjoining said base, and a flared lip joining said cylindrical portion so that the inherent resiliency of the ring material maintains said lip flared in engagement with a pump cylinder, a reinforcing dish in said ring comprising a metal forging having a skirt to face outwardly in said ring and having a flat bottom, a central opening in said bottom which is somewhat larger than a piston body, a plurality of circumferentially spaced studs projecting below said bottom to engage the face of the piston flange so as to position the ring and transmit the thrust of the pumping action to said flange, a plurality of circumferentially spaced lugs projecting radially inward of the bottom and into the opening, said lugs being of a length to fit said piston body to center said ring, a plurality of circumferentially spaced ports in said bottom and skirt through which the ring material is molded, said skirt being cylindrical and disposed radially inward from the cylindrical surface of said ring to prevent deforming of the ring material in use so as to avoid excessive wear of the periphery of said ring, said skirt being of a length to extend at least to the junction of said lip with the cylindrical ring surface, said ring having a cupped outwardly facing interior to receive a retainer plate, said lip extending beyond said plate to provide a flexible ring end.

2,600,517
TELL-TALE SCREW SPIKE
Herschel L. Rushing, Nashville, Tenn.
Application September 29, 1948, Serial No. 51,677
4 Claims. (Cl. 116—114)



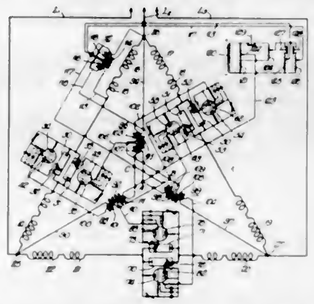
1. A metal screw spike, for use in connection with wooden railway ties, having a head and a threaded shank portion, the upper surface of said head being provided with a relatively slender upstanding malleable straight-sided projection extending about ¼ of an inch from the upper surface of said head and which will crush-flatten over the adjacent upper surface of the head, when the spike is maul-driven instead of screw-driven, providing a visible tell-tale upon the head of the spike.

2,600,518
SELF-LEVELING SUPPORTING DEVICE
Norman S. Ruth, Perkasie, Pa.
Application August 18, 1948, Serial No. 44,957
3 Claims. (Cl. 248—180)



1. In a self leveling scale supporting device, a platform adapted to have a scale secured thereon, a frame, means mounting said platform on and above said frame for substantially universal movement including a rockable plate having a large central opening, a pendulum having a stem centrally passing through said opening and fixed to and depending from said platform, means for damping movement of said platform, and manually operable means for locking the platform against movement relative to the frame, said manually operable means including guide brackets fixed to the frame, horizontally spaced bars universally pivoted on the platform and depending therefrom at opposite sides of its lateral tilting axis and freely extending through the guide brackets, and a manually operable device carried by and disposed beneath the frame and having a cross bar engaging and clamping said bars against movement through said guide brackets when the rod is in one position.

2,600,519
SEQUENCE CONTROL CIRCUIT AND TIMER
Julius L. Solomon, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 22, 1948, Serial No. 34,538
14 Claims. (Cl. 323—24)

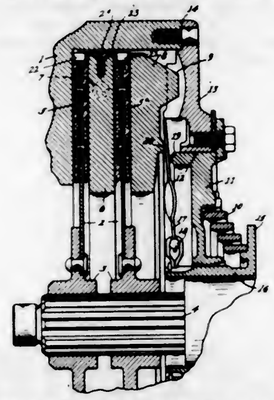


1. In a control circuit, the combination with a source of polyphase alternating current, of an inductive device having primary windings corresponding in number to the phases of the alternating current source, circuit means connecting each winding to its respective phase of said source, at least one electric discharge valve for each winding in series circuit relation for controlling the flow of current through the winding, a firing valve for each electric discharge valve for rendering its discharge valve conductive when the firing valve is conductive, each firing valve having an anode, a cathode and a control grid, means electrically connecting the grid-cathode circuits of the firing valves in parallel relation and in a manner to provide common grid and cathode points respectively, and means for applying a control potential to said points whereby to control the conductivity of the firing valves and thus the conductivity of the electric discharge valves.

2,600,520
FRICTION DISK SEPARATOR FOR DOUBLE DISK CLUTCHES
Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application October 16, 1948, Serial No. 54,990
1 Claim. (Cl. 192—69)

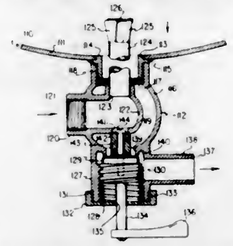
A double disk friction clutch comprising drive and driven elements, the driven element comprising axially shiftable spaced disks, one disk coacting with the drive element and the drive element comprising an intermediate axially shiftable disk between the disks of the driven element and an axially shiftable pressure member coacting with the other disk of the driven element, means acting on the pressure member to engage and release the clutch, and compression springs interposed between the side faces of the rim of the intermediate disk and the opposing faces of the driving element and the pressure ring respectively, each of the springs being

double bow springs interposed between opposing faces of the intermediate disk and the driving element and the pressure member, the springs



having an intermediate portion connecting the apex portions of the bow formations and overlying and secured to the periphery of the intermediate member.

2,600,521
INLET FIXTURE FOR LIQUID TANKS
Thomas H. Swisher, Elmhurst, Ill., assignor to Hotpoint Inc., a corporation of New York
Application February 7, 1948, Serial No. 6,887
2 Claims. (Cl. 137—21)



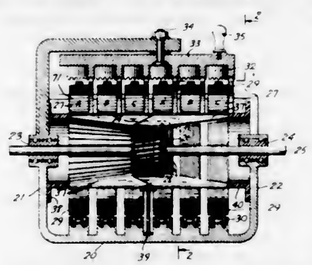
1. In a liquid tank provided with a bottom wall having an opening therein, and a spud arranged in said opening and secured in liquid-tight relation to said bottom wall; the combination comprising a unitary combined inlet and drain fixture normally carried by said spud and provided with a casing detachably secured in liquid-tight relation thereto, said casing including a chamber communicating through said spud with the lower portion of said tank, a conduit arranged in said casing and extending through said chamber and projecting through said spud into the lower portion of said tank, said casing including a liquid inlet connection communicating with the lower end of said conduit, liquid diffusion structure carried by the upper end of said conduit and communicating therewith and positioned in the lower portion of said tank in order to cause liquid moving from said conduit into the lower portion of said tank to be deflected outwardly over said bottom wall, said casing including a liquid drain connection and a first passage communicating between said chamber and said drain connection, said casing including a second passage communicating between said inlet connection and said chamber, valve mechanism arranged in said casing and selectively operative to open and to close said passages, liquid from said chamber moving through said first passage into said drain connection and liquid from said inlet connection moving through said second passage into said chamber when said valve mechanism is operated to open said passages, and an operating member associated with said valve mechanism and extending through a hole provided in said casing to the exterior.

2,600,522
STEMMED CHERRY MOLD
Herman Domnitz, New York, N. Y., assignor to Barricini, Inc., Long Island City, N. Y., a corporation of New York
Application August 16, 1949, Serial No. 110,505
9 Claims. (Cl. 107—8)



1. A mould for a stemmed cherry, comprising an open-mouthed receptacle of resilient material, having a normally closed continuous slit extending from and through the rim of the mouth, through and along the side wall and then through and along the bottom wall to about the central region of the bottom wall and having a hole through one of its walls in communication with said slit, whereby when the slit is spread open to form a gap, a stemmed cherry may be inserted through the gap so that the cherry will lie within the receptacle and the stem will extend through said hole and outwardly from the receptacle.

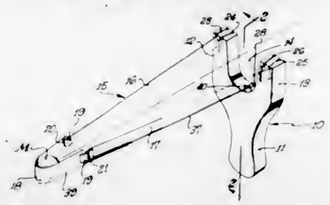
2,600,523
POLYPHASE ALTERNATING CURRENT DYNAMOELECTRIC APPARATUS
Charles E. Ellis, Mahwah, N. J.
Application May 24, 1949, Serial No. 95,037
16 Claims. (Cl. 318—243)



1. In a polyphase alternating current dynamoelectric machine, the combination of a plurality of magnetic poles having their faces disposed in a row, windings for the several poles adapted to be connected to the respective phases of a polyphase alternating current source, armature means mounted adjacent the faces of said poles and spaced therefrom by an air gap, elongated conductor means carried by said armature means and extending in substantially the same direction as said row, said conductor means being of substantially lesser length than said row, means mounting said poles and armature means for relative movement of said conductor means substantially parallel to an initial position thereof in a direction at an angle to the length thereof,

with the row of energized pole faces disposed at an angle to said conductor means and spaced therefrom, and high permeability magnetic flux conductor means interposed in said air gap between said row of poles and said armature means, said flux conductor means being adapted to provide a high permeability magnetic flux transmission path between said pole faces and said armature means for any flux component at an angle to said conductor means.

2,600,524
SLINGSHOT WITH AUTOMATIC SIGHT
Willis O. Fernsel, Los Angeles, Calif.
Application April 10, 1950, Serial No. 155,033
6 Claims. (Cl. 124—20)



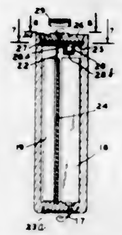
1. In a sling shot: a body having a pair of upwardly extending arms; an elastic sling secured to said arms; a sighting device movably mounted on said body; means interconnecting said sling and sighting device and responsive to stretching of said sling for shifting said device from a non-sighting to a sighting position; and means connected to said device for returning said device from a sighting to a non-sighting position upon release of said sling.

2,600,525
CELLULAR GLASS OF INCREASED DURABILITY
Walter D. Ford, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 12, 1947, Serial No. 734,241
1 Claim. (Cl. 106—40)

A process of forming cellular glass having high resistance to permeation by water at elevated temperatures and pressures, said process comprising intimately commingling glass containing sulphate reduceable by carbon, 10 to 40% by weight of feldspar, and 0.1 to 0.2% by weight of carbon black, all in pulverulent form, then heating the mixture to a temperature within a range of 1400 to 1600° F. without completely melting the glass while protecting the mixture from oxidation whereby to sinter the mixture by cohering the glass particles and forming cells therein filled with gas, then cooling and annealing the resultant product.

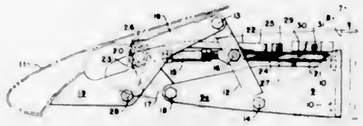
2,600,526
RECHARGEABLE DRY CELL BATTERY
Maurice Friedman, St. Paul, Minn., assignor to Galvanic Products Corporation, Valley Stream, N. Y., a corporation of New York
Application May 5, 1950, Serial No. 160,189
5 Claims. (Cl. 136—30)

1. A rechargeable dry cell battery comprising a casing; a negative metallic electrode mounted in said casing and consisting in a metallic plate, an absorbent material surrounding said plate, and a wrapper surrounding said absorbent material to confine the same around said plate; a positive electrode mounted in said casing, an electrolyte for the most part absorbed in said absorbent material surrounding said negative electrode and adapted to flow through said wrapper to said positive electrode; a separator plate



interposed between said positive electrode and said negative electrode and dividing said casing into two chambers and adapted to permit the passage of electrolyte therethrough but confining each electrode within its respective chamber; a pair of terminals formed on the outside of said casing; and means for respectively interconnecting said electrodes with said terminals.

2,600,527
WING SLAT OPERATING MECHANISM
Carroll G. Gordon, Pasadena, Calif., assignor to North American Aviation, Inc.
Application September 14, 1949, Serial No. 115,701
12 Claims. (Cl. 244—42)



2. In an aircraft wing, a slat movably supported from the leading edge of said wing, a pair of chordwise spaced links each pivotally connected at their respective lower portions to chordwise spaced pivots on said wing, the rearmost of said links pivotally connected at an upper portion to a trailing portion of said slat, an interconnecting link pivotally connected to an intermediate portion of said rearmost link and to an upper portion of said forward link at a pivotal connection, means for pivotally supporting said slat from said pivotal connection, an actuating element operatively mounted upon said wing, a push-pull element pivotally mounted upon said actuating element and pivotally connected to said pivotal connection and means for operating said actuating element for the forward translation of said slat with respect to said wing leading edge.

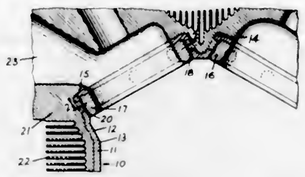
2,600,528
APPARATUS FOR ELEVATING CONTACT MATERIAL
Edward J. Grace, Jr., Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 22, 1950, Serial No. 186,141
5 Claims. (Cl. 302—53)

1. Apparatus for elevating granular material from a lower chamber containing a body of the material to an upper chamber which comprises

an upright elevating conduit having its lower end extending through the top of said lower chamber to be positioned therein and its upper end extending into the upper chamber, a plate having a central aperture therein secured to the lower end of the elevating conduit, a nozzle having its lower end secured in said aperture and its upper end extending a short distance into the elevating conduit providing a space therewith, a fluid conduit extending through the bottom of the lower chamber and having its outlet end positioned below the lower end of the elevating conduit and within the body of granular material to lift the material upwardly and through said nozzle, means for supplying a fluid at high velocity to said space to convey the material passing through the nozzle upwardly into and through the elevating conduit to the upper chamber.

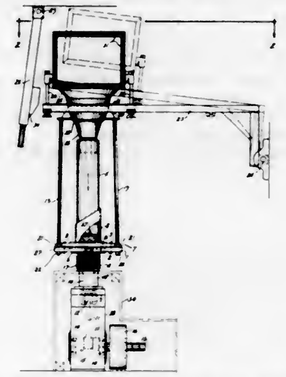


2,600,529
ENGINE CYLINDER CONSTRUCTION FOR COOLING VALVE SEAT INSERTS
Alfred T. Gregory, Massapequa, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland
Application June 19, 1946, Serial No. 677,887
11 Claims. (Cl. 123—188)



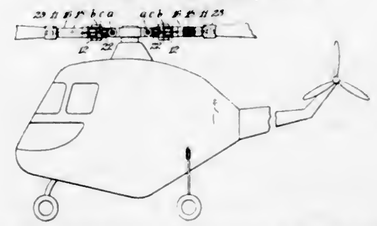
1. A valve seat construction for engine cylinders and the like, comprising a metal cylinder liner, a casing for said cylinder of different metal having higher heat-conductivity than said liner metal, a valve seat insert mounted on said liner, heat-conducting means of metal of higher heat-conductivity than said liner on the outer surface of said insert, and metal of higher heat conductivity than said insert extending substantially radially through said liner from said casing to said valve seat insert and united with said casing and said heat conducting means to conduct heat from said valve seat insert to said casing.

2,600,530
PACKING MACHINE FOR POWDER MATERIALS
Grant Corbin Griffin, McMasterville, Quebec, and Walter George Ivany, James Island, British Columbia, Canada, assignors to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Canada
Application March 22, 1951, Serial No. 217,004
5 Claims. (Cl. 86—23)



1. A packing machine for loading and tamping non free flowing explosive materials into container shells, which comprises a base member, a crankshaft normally rotatable and supported within said base member, a connecting rod eccentrically driven from said crankshaft, a piston attached to one end of said connecting rod, a shell platform threadably engaged with the head of said piston and movable therewith, a holder for said shell detachably mounted on said platform permitting free vertical movement of said shell, at least two rods threadably attached to said platform and supporting a ring structure, a movable hopper supporting bracket normally contacting said ring structure, a hopper funnel located in an aperture in said supporting bracket, the neck of said hopper funnel passing through said ring structure, and mechanical motor means for applying rotary movement at a predetermined rate to said crankshaft.

2,600,531
ROTARY WING AIRCRAFT
Raoul Hafner, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application July 30, 1946, Serial No. 687,129
In Great Britain August 17, 1945
5 Claims. (Cl. 170—160.53)



1. A helicopter rotor comprising a rotary driven power hub having a screw threaded portion, a variable pitch rotor blade having a screw thread-

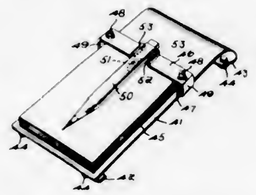
ed portion, a tie-rod comprising a plurality of individual members, the ends of each of which form part of cylindrical surfaces which are completed on assembly of the members to form the tie-rod, said cylindrical surfaces being provided with screw threads received by the screw threaded portions of the hub and blade, whereby the individual members are attached as a unit to the hub and blade.

2,600,532
METHOD FOR MANUFACTURE OF CEREAL FOOD PRODUCTS
Douglas Hale, University City, Mo., and Ellsworth J. Carpenter, Battle Creek, Mich., assignors to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri
Application July 27, 1949, Serial No. 107,004
6 Claims. (Cl. 99—81)



1. The method of producing a cereal food product comprising the steps of cooking the cereal to form a moist mass, forming the mass into elongate sheets and perforating the sheets, superimposing one perforated sheet on another, segmenting by pressing the superimposed sheets to form hollow bodies of pillow-like form, each body having one wall which is a segment of one sheet and another wall which is a segment of the other sheet, said walls being perforate throughout and edge-joined, and heat puffing said hollow bodies.

2,600,533
MEMORANDUM PAD UNIT
Carl C. Harris, Orange, Mass., assignor to The Slencil Co., Orange, Mass., a corporation of Massachusetts
Application July 26, 1950, Serial No. 175,959
3 Claims. (Cl. 281—15)



1. A memorandum pad construction having means for securing a stack of uniform rectangular sheets to a base comprising a narrow thin flat clamping plate of rigid material overlying the face of the end portion of the uppermost sheet, adjustable means for securing the clamping plate adjacent its ends to the base, said clamping plate having an upwardly offset central portion adapted to receive a pencil clip therebeneath and thereby to support the pencil at right angles to the clamping plate and in spaced parallelism with, and longitudinally of, the uppermost sheet of the stack.

2,600,534
METHOD OF MAKING COILED WIRE FOR USE IN ANTISKID PNEUMATIC TIRE TREADS
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application October 6, 1950, Serial No. 188,721
2 Claims. (Cl. 29—148)



1. The method of forming metallic coils for use in rubber tires treads and which upon removal of the radial outer portions of the convolutions thereof when imbedded in a tire tread provide individual generally U-shaped claw members having road engaging ends; which comprises the successive steps of subjecting a length of round wire to flattening pressures from opposite sides thereof to provide a relatively wide strip having opposed flat sides and opposed convex edges and with substantial wear resisting hardness imparted to the material thereof, twisting the elongated strip about its central longitudinal axis to provide a helical strip, and thereafter winding the helical strip into the form of a coil.

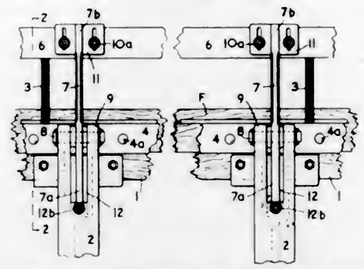
2,600,535
CARBON PAPER PACK
John A. Heckman, Wheeling, Ill.
Application November 17, 1949, Serial No. 127,893
5 Claims. (Cl. 282—1)



1. A pack of transfer paper adapted for use with a manifold type machine comprising a holder, an elongated sheet of transfer paper zigzag folded to form accordian pleats having fold lines which extend generally normal to the length of said paper, locking strips connected to said holder and attached to certain of the pleats of said folded sheet so as to permit limited unfolding of said sheet but securing the attached pleats against unfolding in a longitudinal direction, and means for disconnecting each of said locking strips from said sheet thereby allowing a measured unfolding of said sheet.

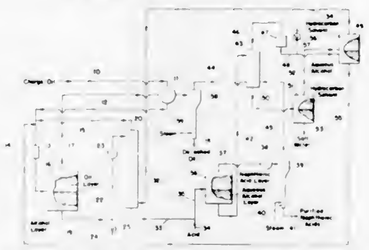
2,600,536
REED SUPPORT
Thomas Hindle, Blackburn, England
Application September 28, 1949, Serial No. 118,253
In Great Britain October 7, 1948
2 Claims. (Cl. 139—188)

1. In a wide weaving loom of the type having a slay carried on end swords which support the slay for swinging movement for beating up the weft, a reed secured to the slay and supported by a reed-cap, and intermediate swords for supporting the reed-cap at intermediate points in its length, the combination with each intermediate sword, of a vertical lever pivoted on such sword on a horizontal axis behind the slay, said lever having an upper arm projecting upwardly from the sword and through the warp yarn and



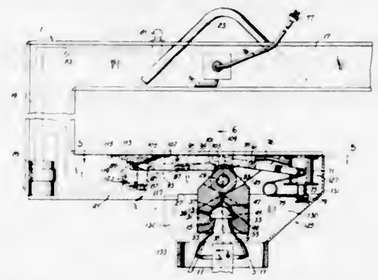
having the reed-cap secured to its upper end, and having a lower arm extending downwardly below the top of the sword, and means on the sword and cooperative with the lower arm of the lever for adjusting the reed-cap and reed in the direction of swing of the slay to align their intermediate portions with their end portions and for locking the lever after such adjustment.

2,600,537
RECOVERY OF DEASHED OIL AND NAPHTHENIC ACIDS FROM RESIDUUM STOCKS
Earl M. Honeycutt, Claymont, Del., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 18, 1950, Serial No. 144,917
15 Claims. (Cl. 196—14.40)



1. Method of producing de-ashed oil and purified naphthenic acids from a residuum charge oil containing alkali metal naphthenates which comprises intimately admixing the charge oil with an aqueous propyl alcohol containing 20–40% by weight of the alcohol in sufficient amount to dissolve at least most of the naphthenates and with at least an equal volume amount of a hydrocarbon solvent composed essentially of saturate hydrocarbon within the C_5–C_{10} range, settling the mixture at a temperature above 80° F. to separate an alcohol phase from an oil phase, vaporizing solvent from the oil phase to yield de-ashed oil, countercurrently treating the alcohol phase with hydrocarbon solvent composed as previously specified to remove residual oil, acidifying the countercurrently treated alcohol phase, settling the acidified mixture to separate a naphthenic acid phase containing hydrocarbon solvent from an aqueous alcohol phase containing salt, vaporizing solvent from said naphthenic acid phase to obtain purified naphthenic acids and distilling alcohol from the last-mentioned alcohol phase to recover the same and yield salt water as bottoms.

2,600,538
HANDLING APPARATUS FOR HOLLOW COILS AND THE LIKE
Stanley F. Jackes, University City, Mo., and Ray H. Sheets, Granite City, Ill., assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application September 26, 1946, Serial No. 699,476
5 Claims. (Cl. 294—82)



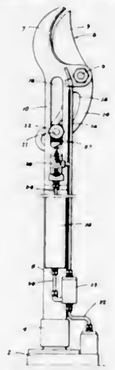
2. Handling apparatus for hollow coils and the like comprising a C-shaped frame, means on the upper arm of the frame for suspending it from the hook of a hoist, a pivot pin extending transversely through the lower arm of the frame, and a pair of grappling hooks pivoted on the pin and depending therefrom, said hooks being cooperable to grapple hook-engaging means on a sling for carrying a coil or the like with its axis vertical, said arms being spaced apart sufficiently and the lower arm and hooks being of such cross-section in a plane transverse to the length of the lower arm that the lower arm together with the hooks may be entered into the hollow of a coil or the like for carrying it with its axis substantially horizontal, said hooks being normally biased to a closed sling-grappling position but being movable to retracted sling-disengaging position upon being lowered further into engagement with the sling, a pair of latching levers, one for each grappling hook, pivoted on the lower arm and engageable with the grappling hooks for latching them in rectracted position, said latching levers being pivoted for movement between latching and releasing positions, and solenoid-controlled means carried by said lower arm for holdng the levers in latching position.

2,600,539
METHOD FOR PRODUCING SALTS OF d-TUBOCURARINE
Nickolas D. Jenesel, Dearborn, William R. Coleman, Grosse Pointe, and Harry M. Crooks, Jr., Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 21, 1947, Serial No. 742,984
15 Claims. (Cl. 260—236)

1. Process for obtaining a d-tubocurarine salt of a mineral acid in substantially pure form which comprises adsorbing the d-tubocurarine chloride present in an aqueous extract of crude curare on activated carbon, selectively eluting said d-tubocurarine chloride by treating said

carbon with an organic solvent containing less than about 10% water and selected from the class consisting of water-miscible, lower aliphatic alcohols and ketones, evaporating said solvent from the eluate, dissolving the residue in water, treating the resultant solution with picric acid, contacting the resultant picrate dissolved in an aqueous solution of a solvent of the class consisting of water-miscible, lower aliphatic ketones and alcohols with an acid-adsorbing resin containing an adsorbed mineral acid, concentrating the resultant solution and recovering the d-tubocurarine salt of a mineral acid therefrom.

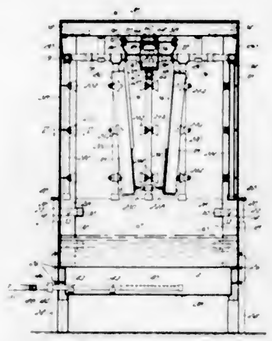
2,600,540
POWER-OPERATED DISINFECTING PRUNING SHEARS
Charles J. Johnson, Sacramento, Calif., assignor of one-half to Frank E. King, Sacramento, Calif.
Application September 3, 1946, Serial No. 694,584
1 Claim. (Cl. 47—1)



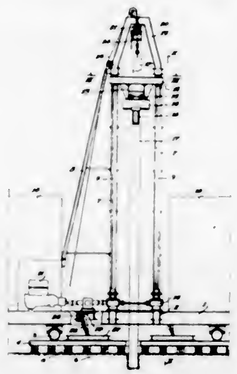
In pruning shears having a shear blade unit including a movable blade and means to move said blade between open and closed positions, a pole depending from the blade unit, a fluid reservoir secured on the pole intermediate its ends and adapted to be maintained under pressure, a conduit leading from the reservoir to a point adjacent the blade unit for discharge into a cut made thereby, a normally closed control valve in the conduit having an exposed operating element, and a finger mounted for movement with the movable blade arranged to engage the operating element and open the valve when said blade moves to a closed position.

2,600,541
UTENSIL WASHING MACHINE
Gordon W. Johnson, Raytown, Mo., assignor to Gordon Johnson Company, Kansas City, Mo., a corporation of Missouri
Application October 21, 1946, Serial No. 704,775
1 Claim. (Cl. 134—125)

In a washer machine for rectangular pan-like utensils, a hollow, up-right cabinet; a continuous, horizontal conveyor chain mounted in the cabinet near the top thereof; an open top liquid receptacle in said cabinet spaced below the conveyor chain; a plurality of utensil supports mounted on the conveyor chain and depending therefrom above said receptacle; spray heads arranged within the cabinet for directing liquid against utensils carried by said supports and moved continuously by the conveyor chain; means for recirculating liquid from the receptacle to said spray heads; means for holding the utensils mounted on the supports in a position inclined with respect to the vertical inwardly toward a central vertical plane through the cabinet; and guide means substantially on said vertical plane for limiting the extent of movement of said utensils toward said vertical plane.

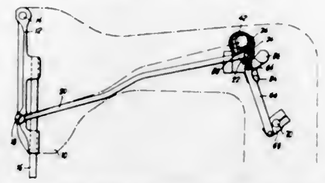


2,600,542
MOVABLE DEVICE FOR DRIVING PILES AND THE LIKE
André Paul Jourdain, Brussels, Belgium, assignor to Compagnie Internationale des Pieux Armés Frankignoul, Liege, Belgium, Societe Anonyme
Application February 8, 1949, Serial No. 75,205
In France February 12, 1948
8 Claims. (Cl. 254—29)



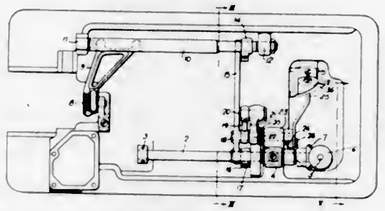
1. A pile driver apparatus comprising, in combination, a plurality of spaced uprights forming a supporting frame; a platform located adjacent to said uprights and having guide portions thereon which extend in a horizontal direction beyond the outer limits of said uprights; means for moving said platform vertically along said uprights; a ramming device; and means for mounting said ramming device on said guide portions of said platform for movement therealong, whereby a pile may be driven at a plurality of locations with respect to said apparatus without moving said supporting frame.

2,600,543
ZIGZAG SEWING MACHINE
Anders Bertil Emanuel Karlsson, Huskvarna, Sweden, assignor to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden, a corporation of Sweden
Application February 16, 1946, Serial No. 648,183
In Sweden December 28, 1944
7 Claims. (Cl. 112—158)



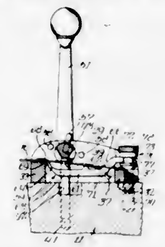
1. In a zig-zag sewing machine of the type having a needle bar frame adapted to apply oscillatory motion to the needle bar transversely of the feed direction of the work, means to vary the amplitude and initial position of the needle bar frame, comprising in combination with a rotary eccentric, an oscillatory member engaged by the eccentric to impart oscillations thereto and formed with a guide extending opposite to the eccentric, a connecting member displaceable along said guide for variation of the amplitude of the needle bar frame, a link connecting said connecting member with the needle bar frame, and an adjustable mounting or bell crank, the oscillatory member being pivoted to said bell crank for adjustment of the initial position or centre of oscillation thereof and thus of the needle bar frame.

2,600,544
MEANS FOR THE CONTROL OF THE FEEDING MECHANISM IN SEWING MACHINES
Anders Bertil Emanuel Karlsson and Allan Herman Eriksson, Huskvarna, Sweden, assignors to Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden, a corporation of Sweden
Application February 16, 1946, Serial No. 648,184
In Sweden January 13, 1945
6 Claims. (Cl. 112—210)



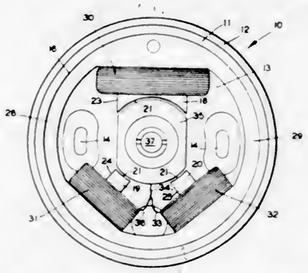
1. In a sewing machine a device for controlling the movement of the feeding mechanism comprising a member for shifting the feeding direction of the feeding mechanism, a cam member against which the shifting member is in contact and provided with a cam surface for forward feed and with a cam surface for backward feed said cam surfaces being alternately engageable by the shifting member, a spring adapted to keep the shifting member in engagement with one of said cam surfaces, a detent on the feed shifting member adapted to cooperate with a locking edge on the cam member to couple the shifting member to the cam member on depression of the latter against the action of the spring, and means to operate the cam member to set the feed shifting member in various positions corresponding to various feeding lengths.

2,600,545
STRINGED MUSICAL INSTRUMENT
Carrol R. Kiley, Lisle, Ill., assignor to Valco Manufacturing Co., Chicago, Ill., a partnership
Application September 1, 1949, Serial No. 113,501
8 Claims. (Cl. 84—312)



1. In a stringed musical instrument having a plurality of strings tensioned thereon, means for selectively varying the pitch of said strings comprising a plurality of reciprocable string-deflecting members operatively attached to the strings intermediate the ends thereof, cam means for actuating said members to vary the tension of the strings by transversely deflecting the same in response to movement of said cam means, lever means pivotally mounted adjacent each of said members and having the end portions of the strings anchored thereon, and means for adjusting the pivotal positions of said lever means whereby to move the end portions of the strings and their attached string-deflecting members away from and toward said cam means.

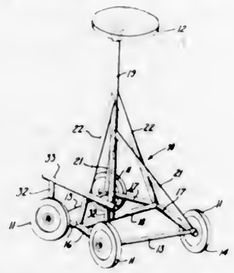
2,600,546
INDUCTANCE TYPE PICK-OFF
Vernon R. Kimball, Maywood, N. J., and Robert T. Maiorany, Bronx, N. Y., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application January 3, 1949, Serial No. 68,772
9 Claims. (Cl. 171—119)



1. A pick-off comprising an annular magnetic core, three inwardly extending radial legs on said core, two of said legs having the same cross-sectional area and smaller than the cross-sectional area of the third leg; a coil wound about each core, the coils about the smaller legs being connected in series opposed relation, the third coil being adapted to be connected across a source of alternating current; and an

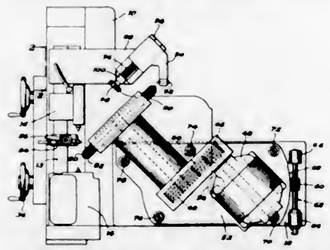
elongated armature of permeable material rotatable within the core and shaped and arranged so that upon rotation of said armature the area of said armature opposing one of said two legs decreases and the area of said armature opposing the other of said two legs remains constant, thereby producing a signal responsive to the angular displacement of the armature by changing the reluctance of the magnetic circuit interconnecting said radial legs.

2,600,547
BARBER'S AUXILIARY SEAT
Ben Klein and Carl G. Hoberg, Santa Monica, Calif.; said Hoberg assignor of one-third of the whole to said Klein
Application May 14, 1946, Serial No. 669,659
2 Claims. (Cl. 155—2)



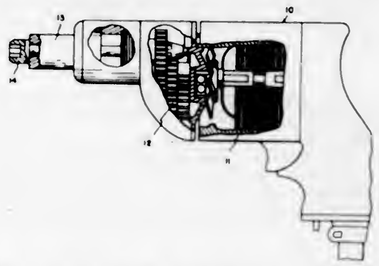
1. A barber's chair comprising a polygonal base having opposite sides formed of welded tubes and the other two sides formed by inclined axles, wheels mounted on the two axles, a tie rod connecting the two tubular sides of the base, a vertical post secured to the tie rod and having a pair of inclined braces connected from a mid point thereof to points of intersection of the two axles with one side of the tubes of the base member and two other braces secured to the post and to the tubular portions of the base where they intersect with the tie member.

2,600,548
GRINDING WHEEL TRUING APPARATUS
Lester J. Lalime, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application September 5, 1946, Serial No. 694,985
10 Claims. (Cl. 51—5)



1. In a grinding machine having a work support and a grinding wheel carriage supported on the machine for relative cross and translatory movement on the machine, rotary work supporting means on the work support, a spindle support mounted swivelly on the grinding wheel carriage at right angles to the directions of said cross and translatory movement, a grinding wheel spindle mounted on said swivel support, and a grinding wheel mounted on the spindle having relatively inclined abrading surfaces for work periphery and shoulder grinding, the combination of a truing attachment for truing said relatively inclined abrading surfaces to a predetermined included angle at a single setting of the grinding wheel and truing attachment, which comprises a work periphery truing tool mounted on the machine for movement in said translatory path and positioned for movement across said work periphery abrading surface in truing engagement therewith, a shoulder truing tool mounted in the machine to move in a linear path angularly related to said translatory path and positioned for movement across the work shoulder abrading surface in truing engagement therewith at the opposite side of the spindle from the work periphery truing tool, said shoulder truing tool being further supported from the machine for shifting movement transversely of said path against the shoulder abrading surface of the wheel, and means securing the swivel spindle support to the carriage in a position of fine angular adjustment to determine the included angle between the periphery and shoulder abrading surfaces.

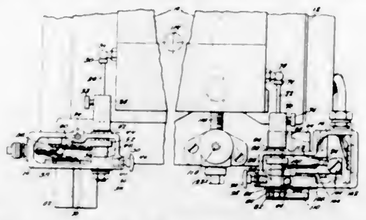
2,600,549
APPARATUS FOR TENSIONING STUDS
Ellsworth C. Ledbetter, Detroit, Mich., assignor to Kay R. Jorgensen, Grosse Pointe Park, Mich.
Application April 23, 1945, Serial No. 589,909
3 Claims. (Cl. 81—52.4)



2. An apparatus for tensioning a fastening member having a threaded engagement with a nut, comprising a socket member engageable with said nut, an electric motor for driving said socket member, a relay in the input circuit of said motor, and electronic means operable to maintain said relay closed during increasing input to said motor and to open said relay when the input to said motor ceases to increase.

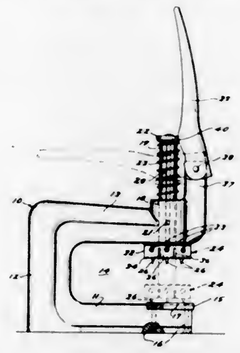
2,600,550
TAPER CONTROL INDICATOR
George N. Levesque, Cranston, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application August 7, 1945, Serial No. 609,367
16 Claims. (Cl. 51—165)

1. In a cylindrical grinding machine having a grinding wheel and cylindrical work supporting means arranged for relative rotational and translatory movements for grinding tapered cylindrical work pieces, the combination of a base, a grinding wheel support and a primary work support arranged for relative translatory and depth feeding movements on the base, a swivel support having centers for rotatably supporting a cylindrical work piece, and a device for controlling the angular relation of the swivel support to the primary support including a swivel mounting for the swivel support on said primary support, and a taper control indicator for effecting an angular setting of the swivel support with relation to said primary support which is independent of said swivel mounting and comprises elements directly responsive to movement of por-



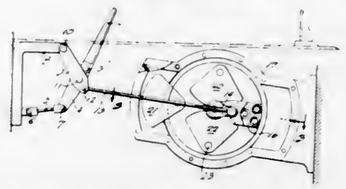
tions of the swivel support spaced from one another along the swivel support with relation to similarly spaced opposite portions of the primary support to provide an indication of such movement with relation to said opposite portions, and means for combining said indications to provide a net indication of angular displacement of the swivel support with relation to the primary support.

2,600,551
TOOL FOR APPLYING FOOTWEAR IDENTIFICATION
John C. Lindquist, Minneapolis, Minn.
Application October 3, 1949, Serial No. 119,240
4 Claims. (Cl. 1—4)



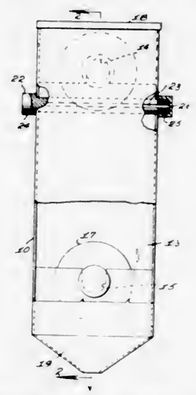
1. A tool for applying toothed initial tags of the character described to articles of clothing, comprising a frame having a base, a back and a head overhanging the base, an anvil on the base and the head being so spaced thereabove that an article of clothing may be rested on said anvil, a plunger mounted through the head for up and down movement toward and away from the anvil, means yieldably biasing the plunger in an upward direction, means for forcing the plunger downward, means for holding a plurality of toothed initial tags in a row on the lower end of the plunger, the anvil having grooves for engaging and clinching the teeth on the tags as the plunger is forced downward, cooperating guide means on the head and plunger whereby the plunger may be rotated through a quarter turn to either of two angularly related positions, and the anvil having two sets of grooves at right angles to each other to engage the teeth on the tags in either position of the plunger.

2,600,552
FLYWHEEL SYSTEM
Stanley D. Livingston, Freeport, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application May 22, 1951, Serial No. 227,641
2 Claims. (Cl. 74—572)



1. A fly wheel system for reciprocating drives comprising a fly wheel, a counterbalance weight rotatably mounted thereon for movement toward and away from the fly wheel axis, a pair of weights similarly and symmetrically mounted with respect to the fly wheel axis, gearing for rotating the counterbalance weight oppositely and at the same angular velocity as the fly wheel, whereby the said counterbalance weight may balance torque on the fly wheel due to a reciprocating mass driven thereby, and gearing for similarly rotating the said pair of weights, the said gearing being arranged to move the said pair of weights toward the fly wheel axis as the counterbalance weight moves away from the fly wheel axis, whereby the said pair of weights counteract variation in moment of inertia in the fly wheel system due to the movement of the counterbalance weight and the reciprocating mass.

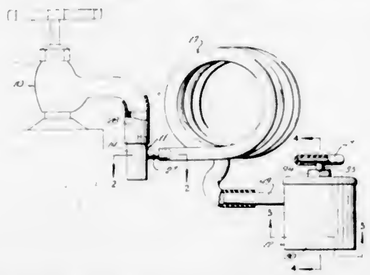
2,600,553
COLLAPSIBLE TUBE HOLDER WITH TUBE-WINDING SPOOL
William T. Lord, Freeport, N. Y.
Application October 4, 1949, Serial No. 119,473
2 Claims. (Cl. 222—100)



1. A collapsible tube holder comprising, a hollow, thin-walled receptacle of resilient material having a pair of oppositely-disposed, longi-

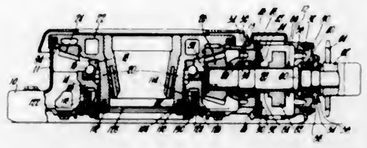
tudinal slots therein and a large opening between said slots, said receptacle having an open end and having at its opposite end an outwardly projecting formation provided with an apical opening and comprising separate, resilient prongs extending from the wall of said receptacle to said opening to resiliently grip a collapsible tube neck forced through said opening from within said receptacle, a tube-winding spool comprising a bifurcated member inserted through said slots for receiving a collapsible tube near its closed end between the furcations of such member and winding the tube to dispense the contents thereof, two suction cups of flexible material secured to said receptacle at respectively-opposite ends of said opening, and a removable cover closing the open end of said receptacle.

2,600,554
SPRINKLER
Allan J. Lyons, Glendale, Calif.
Application September 16, 1949, Serial No. 116,184
2 Claims. (Cl. 299—58)



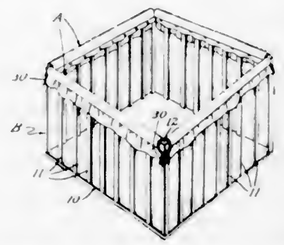
1. A sprinkler assembly for attachment to the discharge end of a spigot comprising a pressure-reducing unit having an inlet at one end and a by-pass outlet controlled by a spring-biased valve at the opposite end arranged so that the inlet end is in alignment with said spigot discharge end, a resilient sleeve carried by the discharge end of said spigot and embracing a portion of said unit adjacent the inlet end for securing said unit to said spigot discharge end, a discharge conduit extending transversely through the wall of said unit adjacent and spaced from the inlet end and secured to the unit, a flexible conduit positioned exteriorly of said discharge conduit and having one end connected to the other end of said discharge conduit, a sprinkler unit closed at both ends and provided with an inlet conduit projecting transversely from the wall of said sprinkler unit adjacent and spaced from one of the closed ends thereof positioned adjacent the other end of said flexible conduit and having its inlet conduit connected to the other end of said flexible conduit, the other closed end of said sprinkler unit being provided with a plurality of perforations, a valve seat fixedly positioned transversely of and within said sprinkler unit between and spaced from the other perforated closed end of said sprinkler unit and said inlet conduit, a valve positioned within said sprinkler unit intermediate said valve seat and said perforated end of said sprinkler unit and mounted in said unit for movement into and out of seating engagement with said valve seat, and hand actuable means exteriorly of said one closed end of said sprinkler unit and operatively connected to said valve for effecting movement of said valve out of seating engagement with said valve seat.

2,600,555
DRIVE SHAFT ASSEMBLY FOR ROTARY WELL-DRILLING APPARATUS
August R. Maier, Oil City, Pa., assignor to United States Steel Company, a corporation of New Jersey
Application September 25, 1946, Serial No. 699,188
3 Claims. (Cl. 255—23)



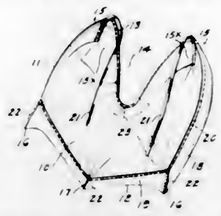
1. In a well-drilling apparatus including a rotary table, a stationary main housing supporting the table, and driving means for the table including a ring gear secured thereto, the combination therewith of a drive unit for said gear comprising a subassembly including a shaft having a drive pinion secured to the inner end thereof meshing with said gear, said housing having a closed pinion-shaft box formed as a lateral extension thereof, said box having an inner bore opening into said housing and a bore in its outer end, said bores having a common axis radial to said gear and both said bores being larger in diameter than said pinion, an inner bearing hub seated in the inner bore, an outer bearing hub separate from and independent of said inner hub seated in the outer bore, bearings in said hubs in which said shaft is journaled, a locking wheel on the shaft between said hubs smaller than said bores, a driving sprocket on said shaft outwardly of said box, and means removably securing the bearing hubs, respectively, in said bores, whereby removal of the wearing parts, such as the pinion, wheel, and bearings with their hubs, is possible without removing said wheel or the pinion from the shaft.

2,600,556
PROTECTIVE PAD FOR PLAYPENS OR CRIBS
Elaine F. Malm, St. Paul, Minn.
Application July 3, 1950, Serial No. 171,809
7 Claims. (Cl. 5—93)



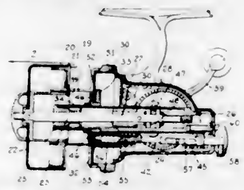
1. A padding structure for use in conjunction with an elongated rail having spaced slats connected thereto, the structure comprising an inverted U-shaped body of soft resilient material extending over the sides and top of the rail and an enclosing covering enclosing the body and connected together between the spaced slats, said covering including a flap on either side of said body.

2,600,557
SCALP APRON
Ruby M. Marriott, Hollywood, Calif.
Application July 5, 1950, Serial No. 172,121
4 Claims. (Cl. 132—9)



1. A protective head covering for use during hair waving processes, comprising a body portion of light weight waterproof sheet material, said body portion being deeply recessed in its front side thereby forming a pair of spaced apart wings, gathers in each of said wings imparting to them a pocket formation for enclosing the greater part of the surface of the cranium, and means attached to said gathered portions of the pockets for securing the device to the cranium.

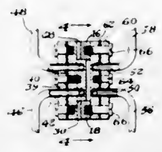
2,600,558
FISHING REEL WITH NONROTARY BOBBIN
Paul Mauborgne, Niort, France
Application December 5, 1945, Serial No. 632,833
In France October 31, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 31, 1964
4 Claims. (Cl. 242—84.4)



3. In a fishing reel including a drum arranged to hold a line and mounted for free delivery of the line substantially axially of the drum, the drum being held against rotation during delivery of the line, and a line pick-up ring arranged to encircle the drum, the provision of single means rotatable in one direction for imparting relative axial motion to at least one of the drums and rings thereby to displace them to mutually remote positions and in the other direction to return them to a position wherein the ring encircles the drum and for rotating the ring in drum-encircling position thereby to wind in the line.

2,600,559
MOLD FOR CASTING PRINTERS' RULES, LEADS, AND THE LIKE
John C. McCauley, Mattapan, Mass., assignor to Ludlow Typograph Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1950, Serial No. 141,376
2 Claims. (Cl. 22—146)

1. A mold for use in the casting of continuous printers' leads, rules and the like strip material which comprises a female mold member providing a flat casting channel having an open discharge end, and a base inlet end for molten metal with side walls of a height greater than the greatest thickness of lead to be cast in the mold, a male mold member comprising a block arranged to extend between and closely fitted to said side walls and having recessed outwardly extending edge portions overlying said side walls,



spacers of predetermined thickness interposed between said side walls and said recessed overlying edge portions of the male mold member, and fastenings passing through the edge portions of said mold members including said spacers and walls for fastening together the male and female mold members.

2,600,560
STATIC FREQUENCY CHANGER
William T. McMahon, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1951, Serial No. 231,991
4 Claims. (Cl. 321—69)

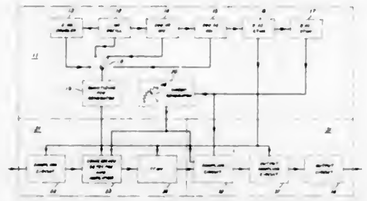


1. A static tone generator for producing audible modulation of sub-audible frequency current comprising in combination with a sub-audible frequency wave source and load circuit and an interconnecting line therebetween, a circuit in bridge of said line comprising a linear inductance and non-linear inductance in series with each other, the latter proportioned in relation to the applied wave to operate well into its saturation regior in each half of the applied wave to generate multiple frequency waves, a capacity across said non-linear coil to emphasize production of multiple frequency waves in a selected frequency range, and additional turns on the core of said non-linear coil, said additional turns comprising a small fraction of the total winding on said core and connected in series in one side of said line.

2,600,561
PULSE MODULATION SYSTEM
Larned A. Meacham, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1949, Serial No. 94,081
8 Claims. (Cl. 332—9)

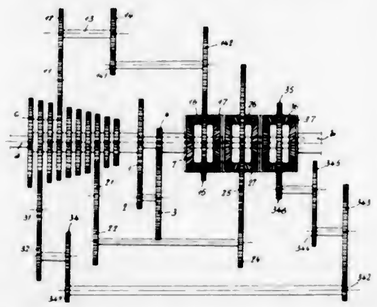
1. In a quantized pulse modulation system for the transmission of complex wave forms, said system having a plurality of tandem stages, means in a first stage to recurrently obtain samples of said wave form, means to produce pulses modulated in accordance with the magnitude of each of

said samples comprising means in a second stage to quantize said modulation and means also in



said second stage to instantaneously compress each of said samples.

2,600,562
VARIABLE RATIO TRANSMISSION
Jean Gustave Antoine Marie Joseph Meyer, Neuilly-sur-Seine, France, assignor to S. A. T. A. M. Societe Anonyme pour tous Appareillages Mecaniques, La Courneuve, France
Application May 8, 1945, Serial No. 592,630
In France November 5, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 5, 1962
2 Claims. (Cl. 74—681)



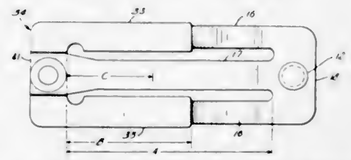
1. A variable ratio transmission comprising a driving shaft, a driven shaft, a series of at least ten pinions fixed to said driving shaft, said pinions having teeth in arithmetical progression, the largest pinion of said series having a number of teeth less than nine times the number of teeth of the smallest pinion, a plurality of idling pinions each engaging successively a pinion of said first series, a plurality of differential mechanisms equal in number to said idling pinions, a constant ratio first transmission located between said first mentioned series of pinions and one of said differential mechanisms, each of the said differential mechanisms having a first element as an admission element, a second element as an outlet element, and a third element connected to and controlled by said idling pinions at variable and different rates, the first element of the first of the differential mechanisms being controlled by the first transmission at constant rate, whereas the first element of each of the other differential mechanisms is controlled by the outlet element of a differential mechanism different from the one to which it belongs, the second element of the third of the differential mechanisms driving the driven shaft, whereas each of the second elements of the other differential mechanisms drives the first element of a differential mechanism different from the one to which it belongs.

2,600,563
KEY RETAINER
David Michnoff, Brooklyn, N. Y.
Application April 18, 1950, Serial No. 156,657
5 Claims. (Cl. 24—3)



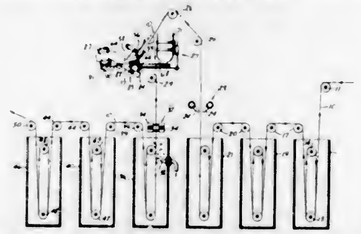
5. A retainer in the form of a substantially U-shaped clasp adapted to hold an article having an end portion and a terminal portion; said retainer comprising an anterior substantially rectilinear arm and a posterior indented arm and an arcuate portion interconnecting and integrally merged with said arms, said indented arm embodying a seat extending from said arcuate portion, said indented arm including a bearing portion laterally spaced from said seat, said indented arm having a brace portion arranged intermediately thereof but forwardly of said seat and bearing portion and having a pair of rearwardly diverging limbs, one of which is integral with and extends from said seat and the other limb of said pair merges with said bearing portion and is spaced from said seat, said bearing portion being inclined relative to said seat and slopes downwardly and outwardly relative to said limb spaced from said seat and at least in part disposed nearer to said rectilinear arm than said seat, means adapted to swingably secure said end portion to said bearing portion, said limbs and brace constituting a recess adapted to be removably bridged by said article on rotation of the latter relative to said bearing portion, and said limb extending from said seat constituting cam means to facilitate lifting of said terminal portion onto said seat to frictionally but removably cooperate therewith.

2,600,564
SNAP ACTION DEVICE
Harper Millard, Freeport, Ill., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 17, 1947, Serial No. 786,494
12 Claims. (Cl. 74—100)



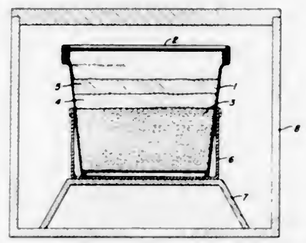
1. In a snap action device, the combination of a support, a snap spring comprising spaced compression members and an intermediate tension member, said spaced compression members and said tension member being interconnected at one end to form an end free to move between opposed positions, means for mounting the opposite end of said tension member, an anchor plate including spaced legs adjacent opposite sides of the mounted end of the tension member for mounting the opposite ends of said compression members, said tension and compression members in the mounted position being stressed to form a snap spring system having an axis of maximum stress and a plunger mounted on said support and having spaced projections for engaging said tension member at spaced positions on a line extending transversely of said tension member, said plunger being shaped to move said tension member without rotation thereof about a longitudinal axis, through the axis of maximum stress whereby to move said free end between the opposed positions with a snap action.

2,600,565
APPARATUS FOR TREATING SOUND TRACKS OF COLOR FILM
Arthur J. Miller, Teaneck, N. J., assignor to Republic Pictures Corporation, New York, N. Y., a corporation of New York
Application May 28, 1949, Serial No. 96,104
10 Claims. (Cl. 95—94)



1. Apparatus for treating a sound track of a colored motion picture film, said apparatus comprising guide means over which the motion picture film travels, said guide means having sloping faces that hold the film on a slope with the edge that is nearer to the sound track at bottom of the slope, a shaft rotatable about an axis in a fixed position with respect to the film guide, a disk carried by the shaft and having a portion of its periphery adjacent to the sound track of the film passing across said guide, a tray from which liquid developer is supplied to the peripheral portion of the disk, and means for adjusting the relative position of the shaft and film guide to control the area of the film to which the developer is applied by the disk.

2,600,566
METHOD OF HEATING FROZEN FOOD PACKAGES
Frank Wesley Moffett, Jr., Chili, N. Y.
Application November 23, 1949, Serial No. 128,947
4 Claims. (Cl. 99—221)



1. The method which consists in dielectrically heating a food package by means of high frequency alternating current and controlling the heating effect by an electrically conductive shield positioned in proximity to a portion of the food package and acting to prevent access of the high frequency waves to portions of the package and to cause the high frequency waves to reach and heat some portions of the package to a greater degree than other portions thereof.

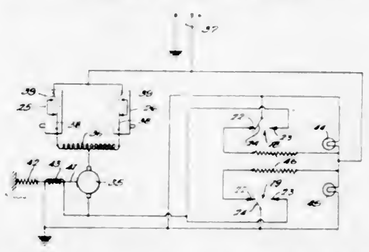
2,600,567
ELECTRICAL CONDUCTORS AND METHOD OF MAKING THE SAME
Evert Ary Jan Mol, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 6, 1947, Serial No. 726,971
In the Netherlands April 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 3, 1964
11 Claims. (Cl. 18—55)



7. A method of insulating an electrical conductor comprising the steps of extruding a coating of polyvinylchloride containing a softening agent in an amount which is less than about 15% by weight of the polyvinylchloride around said conductor while heating said conductor to a temperature of which the polyvinylchloride is softened for extrusion, and applying a moisture and water resistant covering over said polyvinyl-

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2,600,568
MOTOR CONTROL CIRCUITS
Bertel S. Nelson, Chicago, Ill., assignor to Foote Bros. Gear and Machine Corporation, Chicago, Ill., a corporation of Delaware
Application July 8, 1950, Serial No. 172,696
9 Claims. (Cl. 318—475)

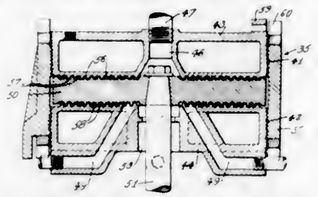


1. A motor control circuit comprising a motor, a friction brake to hold the motor against rotation, a solenoid controlling the brake, a limit switch operated by movement of the motor to a predetermined position to control the solenoid to cause engagement of the brake, and a second limit switch operated after the brake is engaged to deenergize the motor.

2,600,569
METHOD FOR MAKING MARSHMALLOW
Earle T. Oakes, Douglaston, N. Y., assignor to E. T. Oakes Corporation, Douglaston, N. Y., a corporation of New York
Application March 28, 1946, Serial No. 657,822
2 Claims. (Cl. 107—54)

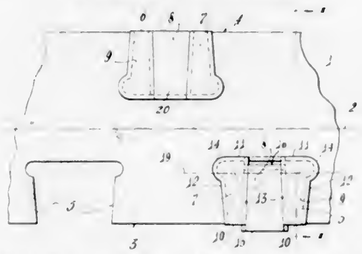
1. A method of making marshmallow which comprises preparing a marshmallow mixture containing substantially the quantity of water desired in the finished marshmallow, forcing the marshmallow mixture at a pressure substantially above atmospheric pressure along a path, at least a portion of which is tortuous and is between two relatively moving surfaces to work and agitate the mixture, introducing a gas at a pressure substantially above atmospheric into

said mixture as it moves along said path, to incorporate said gas into said mixture in the form of finely divided bubbles, and reducing the pressure on the marshmallow mixture at the end



of said path to about atmospheric pressure to permit the bubbles to expand and produce a sponge-like marshmallow having the desired moisture content.

2,600,570
STONE SAW
Luis Patella, Buenos Aires, Argentina
Application January 11, 1950, Serial No. 137,973
In Great Britain December 8, 1949
10 Claims. (Cl. 125—18)

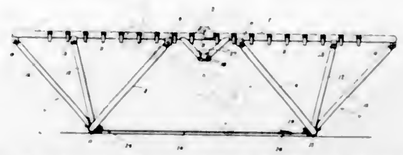


1. A new tool of the type comprising a saw blade for cutting marble, granite and the like material, which comprises a support having an outer margin for contacting the material to be worked by means of said tool, said support being provided with at least one recess including two opposed, spaced lateral faces constituting a housing for at least a part of a cutting means of said tool, said cutting means comprising at least three elements including a wedge-like element having a pair of opposed edges and a pair of lateral elements each having a pair of opposed sides, one of said sides of each of said lateral elements engaging a respective one of said lateral faces and each of said edges of said wedge-like element engaging the other side of one of said lateral elements, adhesive means covering said three elements of said cutting means, one of said elements, at least, having cutting tool properties and said three elements substantially filling said recess.

2,600,571
BUTADIENE-COBALT CARBONYL HYDRIDE ADDUCT
William W. Prichard, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 14, 1947, Serial No. 779,837
8 Claims. (Cl. 260—439)

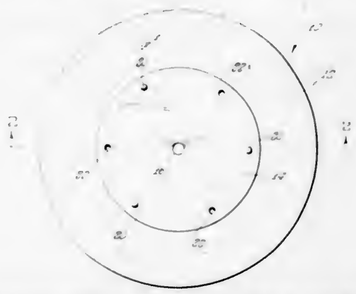
8. A distillable liquid butadiene-cobalt carbonyl hydride adduct, boiling at 32–33° C. at a pressure of 2 mm. of mercury, and of the molecular formula $C_8H_7O_4Co$.

2,600,572
TRAMPOLINE
Billy J. Purviance, Lodi, and Dick A. Smith, Los Angeles, Calif.
Application September 6, 1949, Serial No. 114,206
4 Claims. (Cl. 5—111)



2. A trampoline comprising a pair of normally horizontal frame sections hinged together at adjacent ends for upward folding movement, a leg unit for each section comprising a pair of legs pivoted on and depending from the section adjacent its hinged end and extending at an angle toward the other end of said section, a cross bar connecting the legs at their lower end, another pair of legs pivoted on the section at a point between the point of pivotal connection of the first named legs and the other end of the section, said other pair of legs lying laterally inward of the first named legs and being foldable upwardly toward the hinged end of the section, a cross bar connecting said other pair of legs and when unfolded overlying the first named cross bar, stop means engaging both cross bars and preventing the folding of the first named legs and also limiting the downward unfolding movement of the other pair of legs, and releasable latch means mounted on the leg unit and acting on said last named cross bar and preventing folding movement of the other pair of legs.

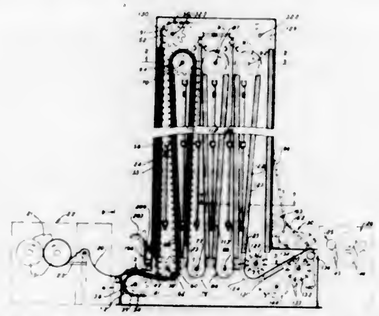
2,600,573
SOUND RECORD DISK
William Rabkin, New York, N. Y.
Application August 14, 1946, Serial No. 690,489
1 Claim. (Cl. 274—42)



A sound-record disk having means for spacing the disk from the confronting surfaces of adjacent similar disks when a plurality of such disks are disposed in superimposed coaxial relation in a stack, said means comprising at least three projections extending from at least one surface of the disk, the opposing surface of the disk being provided opposite each of the respective projections with a recessed portion, respectively, defined therein, said projections being in unequal spaced relation circumferentially of the disk and said recessed portions being smaller than said projections for maintaining the spacing between confronting surfaces of adjacent disks in the

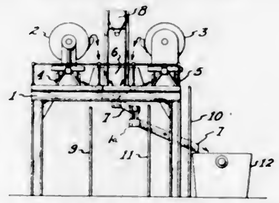
event that the recesses of a disk register with the projections on the confronting surface of an adjacent disk.

2,600,574
APPARATUS FOR HANDLING STRIPS OF PLASTIC MATERIAL
Vincent A. Rayburn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 14, 1945, Serial No. 610,833
18 Claims. (Cl. 271—2.1)



5. In a strip-handling apparatus, a pair of matched roller chains, a plurality of T-shaped slats carried by and extending between the chains, a pair of U-shaped guide tracks fitting over the chains to guide the chains along predetermined paths, a second pair of matched roller chains, a plurality of T-shaped slats which are longer than the first slats carried by and extending between the second pair of chains, and a second pair of U-shaped guide tracks positioned outside of and parallel to the first pair of U-shaped tracks for guiding the second pair of chains in paths parallel to the paths of the first pair of chains, the slats carried by the second pair of chains in paths parallel to the paths of the first pair of chains, the slats carried by the second pair of chains being provided with relieved portions to provide clearance for the first pair of guide tracks.

2,600,575
TREATMENT OF MOLTEN METAL
Leo F. Reinartz and Charles R. Fon Dersmith, Middletown, Ohio, assignors to Armco Steel Corporation, a corporation of Ohio
Application March 17, 1945, Serial No. 583,350
3 Claims. (Cl. 75—56)



3. A process of supplying improved molten blast furnace iron to an open hearth furnace, which comprises tapping the molten metal from the blast furnace into a refractory lined vessel, and at a point adjacent an open hearth furnace, pouring it rapidly from said vessel into a tortuous runner, adding mill scale to it in the said runner in increments proportioned to the rate of flow therethrough, adding equal increments of mill scale to the runner along with equal increments of molten metal during a portion at least of the pouring, the mill scale mixed with the molten metal being proportioned to the known content of silicon and manganese in the molten metal, the molten metal poured into the runner being simultaneously derived from sources of different analyses, delivering it from the runner into a ladle in quantity suitable for charging it into the open hearth, discontinuing the said pouring upon the accumulation of a charge in said ladle, and promptly transferring the metal from said ladle into said open hearth furnace.

2,600,576
SANITARY NAPKIN
Charlotte I. Rickard and Kenneth J. Harwood, Neenah, Wis., assignors to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application August 4, 1950, Serial No. 177,702
10 Claims. (Cl. 128—290)



9. An elongated sanitary napkin pad of absorbent material, said pad having distinguishable forward and rearward portions, the thickness of said pad being substantially constant from side to side of the pad in each elementary unit of length thereof and varying lengthwise of the pad, the average thickness of the pad in the forward one-half of the length thereof being greater than in the rearward one-half of said length so that the volume of material in said forward portion of the pad is greater than the volume contained in said rearward portion.

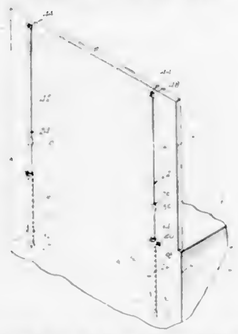
2,600,577
UP-ENDER
William C. Roe, Elyria, Ohio, assignor to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application December 15, 1945, Serial No. 635,322
13 Claims. (Cl. 254—131)



1. In a device for lifting a generally cylindrical barrel from its side to stand on its end, an axle member, a pair of arms secured to said axle member and spaced apart to be moved to underlie the side of said barrel and on either side of the axis thereof to each engage said barrel at a point adjacent said axle, means to rock said arms about said axle, and lift the free ends thereof, and means carried by said arms to engage said barrel at points successively farther from said axle as

said arms are lifted, and wheels on said axle to permit said device to be moved at all times relative to said barrel while the same is being lifted to cause said barrel and said arms to pivot about successive points of engagement.

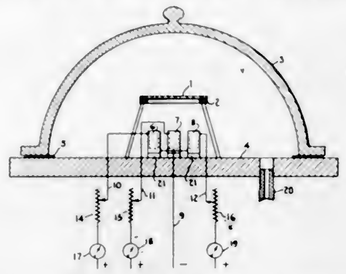
2,600,578
MEANS FOR MOUNTING MIRRORS ON DRESSERS
Richard P. Royer, High Point, N. C.
Application December 15, 1950, Serial No. 200,927
2 Claims. (Cl. 88—99)



1. In combination with a dresser having a flat back wall and a mirror having a flat backing member, means for rigidly mounting the mirror vertically above the rear margin of the dresser including a pair of telescopically arranged rods disposed at the ends of the mirror and back wall, each of said rods including a first tubular member having a flattened apertured end engageable on the back wall of the dresser, fastening means disposed in said apertured end for affixing the apertured end to the back wall, said first tubular member being vertically mounted on the back wall and having an upper open end disposed flush with the upper end of the back wall, means securing the upper end of the first tubular member to said back wall, a second tubular member vertically mounted on the mirror backing member, said second tubular member having an upper flattened apertured end engageable on the backing member, fastening means disposed in said upper apertured end for affixing the upper end to the backing member, said second tubular member having an intermediate flattened apertured portion, fastening means engaged through said intermediate flattened portion for affixing said intermediate flattened portion to the backing member, the lower end of the second tubular member depending below the mirror and being telescopically arranged in the first tubular member, and means extending through and locking said tubular members in selected extended positions.

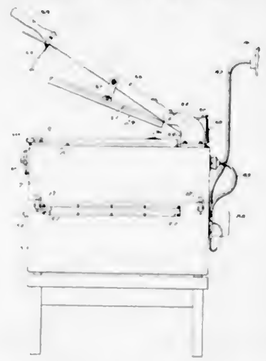
2,600,579
METHOD OF MAKING PHOSPHOR SCREENS
John E. Ruedy and Ferd E. Williams, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 5, 1946, Serial No. 674,587
4 Claims. (Cl. 117—33.5)

1. The method of making a phosphor screen on a plurality of supports from a phosphor compound formed of a metal from the group consisting of zinc and cadmium and mixtures thereof and of a non-metal from the group consisting of sulfur and selenium and mixtures thereof, said method comprising the steps of, arranging said compound adjacent said supports within a vacuum, vaporizing said compound, condensing the vapors of said compound to form a coating of the condensate on a surface of said base members, placing two coated surfaces of said base members



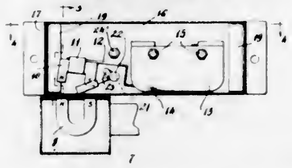
face to face and closely adjacent to each other, activating said condensate at atmospheric pressure by heating said base member to a temperature between 400° C. and 650° C., and separating said base members from each other to provide a support having an outer film of activated phosphor material.

2,600,580
ELECTROPHOTOGRAPHIC APPARATUS
Edward R. Sabel and Edward T. Macey, Rochester, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York
Application June 3, 1949, Serial No. 97,024
9 Claims. (Cl. 95—1.9)



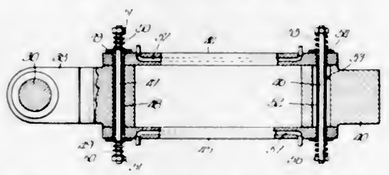
1. A unitary apparatus for powder-cleaning, charging, exposing, and powder-developing an electrostatic image on an electrophotographic plate to produce a powder image, said apparatus consisting of a cabinet having a lamp chamber for exposing an electrophotographic plate to a light image along one extremity, a charging chamber in the cabinet and optically separated from the lamp chamber, electrostatic charging means in the charging chamber to impose an electric charge on the surface of an electrophotographic plate when in the charging chamber, powder receptacle chambers, a slidable support in each of said powder receptacle chambers, a plate-holding powder receptacle mounted on each of said supports and movable therewith from a position within the cabinet to a position in front of the cabinet, the powder receptacle being rotatable in a rocking motion on the support when positioned in front of the cabinet to cascade a powder across the surface of an electrophotographic plate when on the receptacle, said support comprising rails slidable in the cabinet and having slots therein, trunnions mounted on the sides of the powder receptacle mounted in said slots permitting endwise bodily movement and rotational movement of the receptacle on said rails, releasable means for holding the receptacle against rotation on the rails, and stop means limiting such rotational movement.

2,600,581
MAGNETIC CIRCUIT CONTROL FOR BURGLAR ALARMS
Benjamin Schenendorf, Brooklyn, N. Y.
Application July 19, 1949, Serial No. 105,513
1 Claim. (Cl. 200—87)



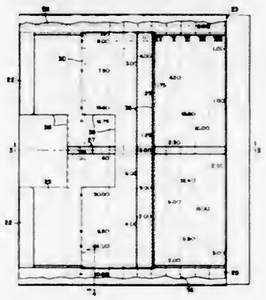
An activating device for a burglar alarm system comprising a housing, a switch having a normal and an actuated position mounted within said housing, a lever secured to said switch and adapted to move said switch from said normal to said actuated position, a first bi-polar magnet carried by said lever and adapted to depress it to thereby retain said switch in normal position, a pin pivotally mounted in said housing, a radially extending cam carried by said pin and adapted to be pivoted into abutment with said lever to raise it from normal to switch actuated position, a radially extending arm carried by said pin adapted to restore said pin to its original position upon the release of said cam from abutment with said lever, a second bi-polar magnet adapted to be positioned in confronting relation with the similar poles of said first magnet to thereby repel said first magnet and raise said lever from abutment with said cam whereby said lever is maintained in raised position solely by means of the repelling force of said magnets.

2,600,582
SLIDING CONTACT SYSTEM FOR CONDUCTING WELDING CURRENTS
David Sciaky, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Application July 26, 1949, Serial No. 109,053
2 Claims. (Cl. 173—324)



1. In an electrical system for conducting high amperage currents, in combination, a stationary member, a vertically movable electrode member in horizontal spaced relation with respect to the stationary member, means electrically connecting the members comprising a pair of conductive bars disposed on the respective sides of the members and having surface contact therewith, each said member providing end portions having flat side areas to facilitate the surface contact of the bars, means pivotally joining the bars to each member at the area of surface contact including a pivot pin of metal supported by each member and insulated therefrom by being encased in a tube of insulating material, each pivot pin extending outwardly beyond the respective bars, and resilient means retained by each end of a pivot pin for yieldingly holding its respective bar in surface contact with the member.

2,600,583
SCANNING MEANS
Bruce K. Slonneger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application July 14, 1950, Serial No. 173,759
8 Claims. (Cl. 281—1)

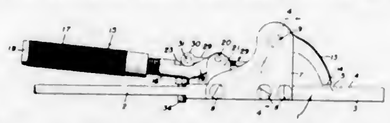


1. In a device of the class described, the combination of a holder for record material having lines and columns of data recorded thereon, a transparent member comprising a bottom and a cover secured to the holder and arranged to receive the record material beneath the transparent cover, opaque ruled lines on the transparent cover disposed at right angles to the columns of data, an opening in the cover through which the record material is manually fed to locate a selected line from a selected column of data into a predetermined position in respect to the ruled lines to visually isolate a selected datum or line of data from the data on the record material, a transparent slide movably mounted on the cover at the top and bottom thereof and laterally movable over the face of the cover, and opaque ruled lines on the transparent slide disposed at right angles to the lines on the cover to visually isolate a datum in a selected column of data, whereby the ruled lines on the cover and the ruled lines on the slide frame a selected datum.

2,600,584
WORK CLAMP
Harm Duncan Snell, Port Arthur, Tex., assignor of twenty-five per cent to Jo Ann Snell, Port Arthur, Tex.
Application April 10, 1947, Serial No. 740,697
4 Claims. (Cl. 77—63)

1. In a work clamp, a work supporting plate, a pair of laterally spaced bearing members extending from said plate at a right angle thereto, a manually rotatable shaft extending across said plate with ends journalled in said members,

said shaft having right and left hand screw thread sections on opposite sides of its transverse center, a pair of curvilinear clamping fingers threaded on said sections for relative adjustment laterally by rotation of said shaft and for swinging about said shaft to clampingly



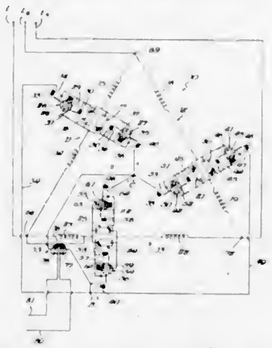
engage corresponding ends thereof with the work at different points thereon, a handle pivotally mounted on said plate for swinging about a fixed axis, and a connection between said handle and both said fingers for swinging said fingers into work engaging position by swinging of said handle.

2,600,585

THREE-PHASE WELDING SYSTEM WITH POSTHEAT CONTROL

Julius L. Solomon, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois

Application February 9, 1950, Serial No. 143,241
16 Claims. (Cl. 323—34)



1. In a welding system, a welding transformer, an alternating current supply source electrically connected to the input of said transformer, a welding load circuit electrically connected to the output of said transformer, means for producing in the load circuit an impulse of welding current, said current being characterized as of modulated shape consisting of a pulse of welding current followed by a controlled decay of said current for postheating, said means including phase shift circuits for respectively controlling the magnitude of the welding current and the magnitude of the postheating current, and means automatically operative at a predetermined point in the welding operation for rendering one of said phase shift circuits operative and the other inoperative.

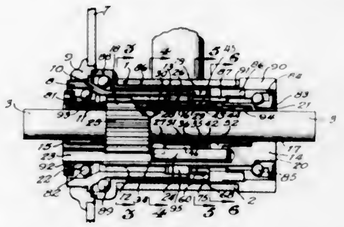
2,600,586

AUTOMATIC BICYCLE TRANSMISSION

William G. Spencer, Burbank, Calif.

Application April 16, 1949, Serial No. 87,979
7 Claims. (Cl. 74—751)

1. In a device of the character disclosed, a drive shaft, a sleeve shaft eccentrically carried on said drive shaft, said sleeve shaft provided with two spaced concavities, a drive gear mounted on the drive shaft and positioned within one of said concavities, a segmental gear mounted on the drive shaft and positioned in the same concavity with the drive gear, an annular cam mounted upon the drive shaft and positioned within the second concavity, said annular cam being secured to the segmental gear whereby movement of said gear produces movement of



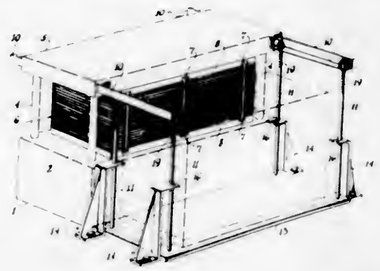
the annular cam, a sleeve provided with internal gear teeth overlying the first concavity of the sleeve shaft with the teeth thereof in engagement with the teeth of the drive gear and the segmental gear, cam rollers engaging the annular cam, and means surrounding the sleeve shaft in the zone of the second concavity for maintaining said cam rollers in engagement with the annular cam.

2,600,587

ELEVATING AND LOWERING DEVICE FOR BALING PRESSES AND THE LIKE

Isidor Spitz, Brooklyn, N. Y., assignor to American-National Bag & Burlap Co., Inc., Brooklyn, N. Y., a corporation of New York

Application January 12, 1949, Serial No. 70,431
4 Claims. (Cl. 100—19)



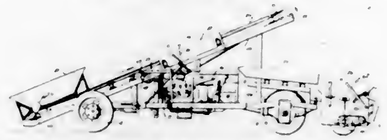
2. In a device of the class described for use with a baling press, a platform, a pair of arms for attachment to a movable portion of the baling press extending over said platform adjacent opposite ends thereof, a plurality of vertically movable supporting members secured to and depending from each of said arms at spaced intervals thereon and having lower portions secured to said platform at spaced intervals thereon, means for varying the effective lengths of said members to thereby adjust the spacing of said platform from said arms, and means for guiding said platform during elevation and lowering thereof comprising members adjacent opposite ends of the platform projecting over said platform and extending at least partly about a supporting member.

2,600,588

AGGREGATE RECEIVING AND CONVEYING MACHINE

Cyril L. Stodolka and James P. Stodolka, Little Falls, Minn.

Application July 8, 1949, Serial No. 103,713
3 Claims. (Cl. 198—233)



2. In an aggregate receiving and conveying machine, a mobile chassis adapted to traverse a road to be surfaced, a frame positioned longitudinally of and upon said chassis and fixedly secured to the latter, said frame being arranged at an angle with respect to said chassis and having its lower end projecting from and terminating at a point spaced below the forward end of said chassis and having its upper end contiguous to and spaced above the rear end of said chassis, a hopper superimposed upon and spaced from the portion of said frame adjacent the projecting end thereof and fixedly secured to said frame for containing aggregate, said hopper including a floor and upstanding front and rear walls arranged in converging spaced relation and attached to said floor, there being an opening in said floor intermediate its sides and extending longitudinally inwardly from the end of said floor adjacent said rear wall to and terminating in the end of said floor adjacent said front wall for the discharge of aggregate therethrough, an endless conveyor including top and lower flights extending longitudinally of and rotatably supported on said frame and having the top flight directly below and forming a movable floor for said opening, said rear wall having an opening intermediate its sides and extending from a point adjacent the top to the bottom and merging into said first named opening, a gate bridging said rear wall opening and connected to said rear wall for up and down movement with respect to said floor, a bolt extending through and supported in said gate adjacent the upper end and engageable with the top of said rear wall for holding said gate in the up movement position, rotatable opposed screws in said hopper arranged in parallel relation with respect to said front wall contiguous to said floor for feeding the aggregate into said first named opening, a chute positioned below the upper end of said frame and fixedly secured to said chassis for the reception of the conveyed aggregate, and drive means operatively connected to said conveyor and said opposed screws for effecting the rotary movements of said conveyor and said opposed screws.

2,600,589

MAGNETIC CASE FOR ELONGATED ARTICLES OF MAGNETIC MATERIAL

Roland Joseph Swanson, Ann Arbor, Mich.

Application June 18, 1947, Serial No. 755,437
13 Claims. (Cl. 223—109)



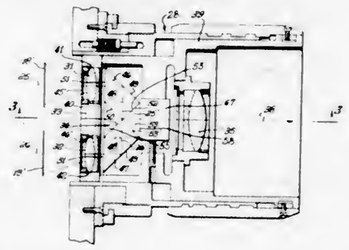
1. A case of the general type described comprising a body of non-magnetic material having an axially extending bore and having recesses spaced around the bore, said recesses being open at the top of the body to receive articles of magnetic material and having openings in the side walls registering with the bore, and a permanent magnet in the form of a rod secured in the bore in registration with the openings in the side walls of the recesses.

2,600,590

LIGHT DIVIDING APPARATUS FOR PRODUCING TELEVISION IN COLOR

Richard Thomas, Westwood Village, Calif.

Application January 19, 1946, Serial No. 642,217
1 Claim. (Cl. 88—1)



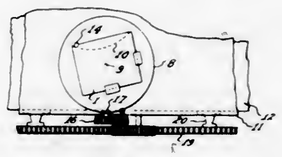
A lens mounting structure comprising: a support having parts adjustably movable toward and away from each other; a plurality of lens elements in side by side relation carried by one of said parts; a single focusing lens element carried by said one of said parts; and light directing means between said plurality of lens elements and said single lens element forming light carrying paths of substantially the same length, each passing within the light directing means through a single medium, one end of each of said light paths within the light directing means being disposed on one of the axes of said plurality of lens elements and terminating closely adjacent the associated lens, and the opposite end of each of said light paths being disposed on the axis of and terminating closely adjacent to said single lens element.

2,600,591

DEVICE FOR GENERATING ARCS OR THE LIKE

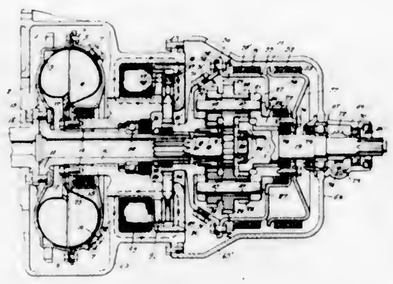
Eric H. Wang, Cincinnati, Ohio

Application March 17, 1949, Serial No. 81,993
3 Claims. (Cl. 90—20)



1. In a planer or the like a rotatable work holder positioned on the reciprocating table of the planer with its axis of rotation perpendicular to the direction of reciprocation of the table, a rack associated with the stationary planer bed, a train of gears engaging the rack and the work holder for rotation thereof in fixed relation to the translation of the table and a stationary tool positioned over the work holder.

2,600,592
VARIABLE-SPEED TRANSMISSION
Sydney C. Watson, Chicago, Ill., assignor to Tor-Vel Associates
Application October 22, 1947, Serial No. 781,345
6 Claims. (Cl. 74—688)

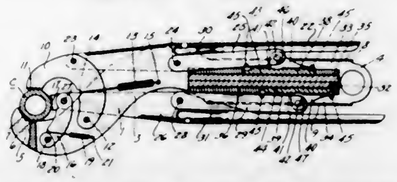


1. In combination in a drive, a driving shaft and a driven shaft, a fluid coupling impeller and a first sun gear fixed in relation to the driving shaft, a rotary member positioned about said driving shaft, a fluid runner positioned to be driven by said impeller, and a magnetic clutch positioned and adapted when energized to fix said runner in relation to said rotary member and when de-energized to release said runner from said rotary member, a second sun gear fixed in relation to said runner and of greater diameter than said first sun gear, a third sun gear fixed in relation to said driven shaft and of greater diameter than said first and second sun gears, and a planet carrier positioned to rotate with respect to said driving and driven shafts and with respect to said rotary member, a plurality of multiple planet gears positioned for rotation in said carrier, said planet gears meshing with said sun gears, and a brake drum fixed in relation to said rotary member, and brake means adapted to be brought into contact with said drum to hold it stationary and thereby to hold stationary the runner and the second of said sun gears, and a second brake drum fixed in relation to said carrier, and brake means positioned adjacent said second brake drum and adapted to be brought into contact therewith to hold said drum and said carrier stationary.

2,600,593
COATING COMPOSITIONS
Ira Weber, Brooklyn, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application July 28, 1950, Serial No. 176,553
9 Claims. (Cl. 260—22)

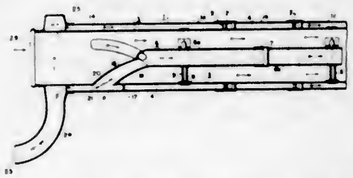
1. The process of making a pigmented coating composition which includes the steps of incorporating coloring matter in a vehicle comprising a first resin as the binder, the said vehicle being characterized by having a lesser affinity for the said coloring matter than the condensation products and alkylated condensation products of formaldehyde with a member of the group consisting of urea, thiourea, guanidine, biuret, guanyl urea and dicyandiamide, and dispersing in the said vehicle as a second resin one of the said condensation products in form of fine, insoluble particles.

2,600,594
PLIER-TYPE TOGGLE WRENCH HAVING THIRD JAW
Stanley L. Williamson, Minneapolis, Minn.
Application October 20, 1950, Serial No. 191,237
14 Claims. (Cl. 81—84)



1. In a tool of the class described, an elongated member providing a handle at one end and a first jaw rigid with its other end, a second jaw, means pivotally mounting said second jaw on said member for arcuate movements toward and away from said first jaw, a lever pivotally connected at one end to said second jaw, a toggle link pivotally connected at one end to the intermediate portion of said lever and at its other end to said handle, a third jaw, means pivotally mounting said third jaw on said member for movements toward and away from said first jaw on an arc eccentric to the arc of movement of said second jaw, a second lever pivotally secured at one end to said third jaw, and a second toggle link pivotally connected at one end to the intermediate portion of said second lever and at its other end to said handle.

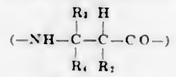
2,600,595
HEAT EXCHANGER
John R. Wilson, Penn Township, Allegheny County, Pa., assignor to Hanlon & Wilson Company, Wilkinsburg, Pa., a corporation of Pennsylvania
Application January 13, 1950, Serial No. 138,298
2 Claims. (Cl. 257—246)



2. A heat exchanger comprising a shroud, a hollow core located inside and spaced from said shroud to form an outer passage having an inlet and an outlet, longitudinally extending walls dividing the space between said shroud and core into a plurality of separate longitudinally extending outer passages, some of said outer passages being blocked off intermediate their ends and others being open between their ends, an inner tube located inside and spaced from said core and having an inlet and an outlet, conduits connecting said inner tube with those outer passages which are blocked off, means for flowing a portion of the fluid to be heated through the forward parts of said blocked off outer passages and then through said conduits and then through said inner tube, means for flowing another portion of the fluid to be heated through said outer open passages, and means for flowing heating fluid through the space between said inner tube and said core.

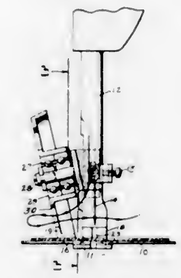
2,600,596
N-CARBOANHYDRIDES OF BETA-AMINO ACIDS OF AT LEAST FOUR CARBONS HAVING NONAROMATIC, ONLY SINGLY BONDED ALPHA CARBON
Hilmer Ernest Winberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1947, Serial No. 778,453
19 Claims. (Cl. 260—77.5)

4. A linear polymer having recurring structural units of the general formula



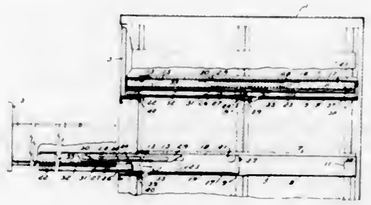
wherein the R's are selected from the group consisting of hydrogen and hydrocarbon radicals free from aliphatic carbon-carbon unsaturation, at least one of said R's being a hydrocarbon radical any remaining recurring structural units of said polymer being alpha-amino acid units.

2,600,597
SEWING-MACHINE ATTACHMENT
Ragnar William Winberg, New York, N. Y.
Application November 12, 1947, Serial No. 785,236
1 Claim. (Cl. 112—235)



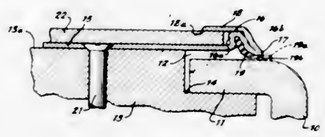
In a sewing machine having the customary bed, oscillating feed dog, needle and vertical presser bar in combination for the stitching of enamelled leathers, a foot rigidly attached to said presser bar extending both in front of and behind said needle, a downwardly and outwardly inclined shaft also attached to said presser bar, a conically faced roller journalled upon said inclined shaft, bearing downwardly against the bed close to the foot and in transverse alignment with the needle, being of a substantial width to engage the work along a line of substantial length, said inclined shaft being vertically adjustable upon said presser bar whereby its vertical position may be adjusted relative to said foot while maintaining a rigid relation in the different positions of adjustment, said roller having a circumferential portion thereof in overlying relation to said feed dog and having its line of work contact disposed slightly below the work engaging face of the foot, whereby the major work feeding pressure is exerted between the roller and feed dog for substantially reducing the pressure of the work on the work engaging face of the foot with a corresponding reduction in friction between the work and foot during the feeding operation.

2,600,598
DRAWER SUSPENSION
Walter E. Woodin, Rahway, N. J., assignor to Security Steel Equipment Corporation, Avenel, N. J., a corporation of New Jersey
Application October 26, 1949, Serial No. 123,604
4 Claims. (Cl. 308—3.8)



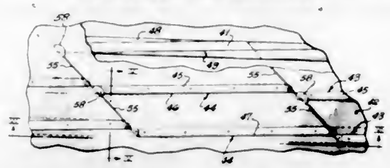
1. In a drawer suspension in combination, a stationary track having upper and lower rails; a traveling neutral member slidable within said stationary track; and a drawer track slidable in said neutral member, said latter member having a rear roller engaging said upper rail, a forward roller engaging said lower rail and said drawer track, an intermediate roller engaging said lower rail and said drawer track, a propeller roller forward of said intermediate roller and adapted to engage said lower rail and said drawer track, said latter roller being movable toward and from said lower rail, a downwardly projecting skid positioned between said intermediate and propeller rollers and adapted to clear said lower rail when said drawer track overlies said propeller roller and engage said lower rail when said drawer track leaves said propeller roller, and a floating upper roller engaging said drawer track, said drawer track being adapted to slide between said floating upper roller and said intermediate, propeller, and forward rollers, and being adapted to travel forwardly until its rear end extends beyond the forward end of said stationary track.

2,600,599
SINK MOLDING
Thomas R. Wycoff, Columbus, Ohio
Application November 14, 1949, Serial No. 126,946
1 Claim. (Cl. 4—187)



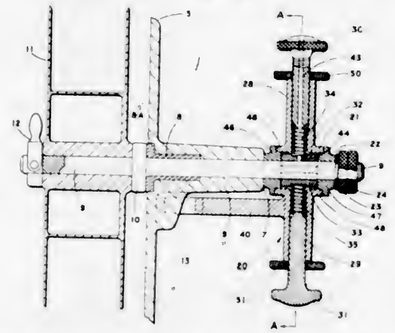
For use with a sink or the like installation with said sink having a rim received by a groove in a cabinet, and a covering for said cabinet, an improved moulding comprising a main body portion adapted to be mounted on the upper surface of said cabinet, a gripping portion, a gasket secured in said gripping portion and having a portion adapted to engage the rim of the sink when the main body portion is mounted on said cabinet, a nose adapted to clamp said gasket into firm engagement with the rim of the sink and a lip having a sharp flange adapted to be embedded in said covering.

2,600,600
MINERAL SEPARATING APPARATUS
Paul R. Yewell, Tucson, Ariz.
Application June 9, 1949, Serial No. 97,960
22 Claims. (Cl. 209—480)



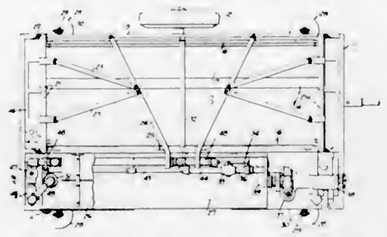
4. In a concentrating table for separating material having particles of different characteristics, the combination of: a deck slightly inclined about its longitudinal axis and adapted to be agitated to impart movement to particles of material on said deck in predetermined directions; a plurality of spaced apart riffle means on said deck extending virtually parallel to said longitudinal axis and forming obstructions of varying height lying in parallel planes angularly disposed to the longitudinal axis of the deck for said particles within the length of each riffle means and a plurality of spaced apart gate means extending between adjacent riffle means and lying in planes intersecting said longitudinal axis at an angle.

2,600,601
TENSIONING DEVICE FOR FILM REEL SHAFTS
Charles R. Yirava, Cleveland, Ohio, assignor of fifty per cent to E. Donaldson, Cleveland, Ohio; Martha Yirava, administratrix of said Charles R. Yirava, deceased
Application May 10, 1949, Serial No. 92,303
1 Claim. (Cl. 242—156)



In a tensioning device for the revolving shaft of a film reel, a brake housing having an opening extending into it and within which the shaft of said reel is adapted to be positioned, said housing including a hollow arm extending in a direction substantially perpendicular to the axis of said reel shaft; means for securing said housing to said reel shaft; movable brake shoe means within said housing adapted to engage the curved side face of said reel shaft and having an oil hole extending through it in a direction substantially perpendicular to the axis of said reel shaft; a coiled spring mounted within said hollow arm and in engagement with said brake shoe means with the hollow central portion thereof substantially aligned with the oil hole in said brake shoe; and spring pressure regulating means adjustably secured to said hollow arm and in engagement with said spring and having through it an oil hole from the outside communicating with the hollow central portion of said spring.

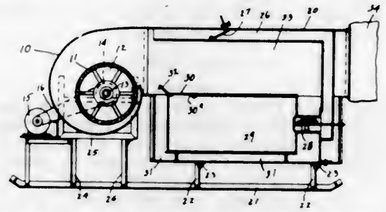
2,600,602
LIVESTOCK SPRAYER
William H. Abildgaard, San Jose, Calif., assignor, by mesne assignments, to Livestock Sprayer Mfg. Co., San Jose, Calif., a corporation of California
Application October 17, 1946, Serial No. 703,891
4 Claims. (Cl. 119—159)



1. In a livestock sprayer, a body forming an enclosure for an animal; nozzle means disposed on said body for subjecting an animal in the enclosure to a spray; a spray liquid supply tank; a pressure pump having its intake in communication with said supply tank; a main delivery pipe communicating with the outlet of said pump; a selector valve having its intake connected to said main delivery pipe and having first and second outlets; a first branch pipe connected at its opposite ends respectively to one of said valve outlets and to said nozzle means; a drain tank operatively associated with said body for receiving spray liquid discharged from said nozzle means; a second branch pipe connected to the other of said valve outlets; an injector pump having its high pressure inlet connected to said second branch pipe, and having its low pressure intake in communication with said drain tank, and having an outlet for liquid flowing from said second branch pipe and from said drain tank through said injector; a filter in fluid communication with said supply tank arranged to discharge filtered spray liquid to said supply tank; a pipe connected with said injector pump for conducting liquid from said injector pump outlet to said filter; and a control element operatively associated with said valve operable selectively to direct liquid from said main delivery pipe to said first branch pipe and said nozzle means for spraying an animal in said enclosure, or to direct liquid from said main delivery pipe to said second branch pipe and said injector pump to thereby effect injector pick-up of liquid from said drain tank and delivery thereof to said filter.

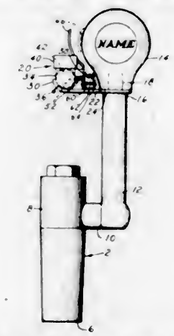
2,600,603
GRAIN DRIER
Robert D. Applegate, Attica, Ind.
Application August 28, 1948, Serial No. 46,633
1 Claim. (Cl. 263—19)

A device for drying grain in a crib or the like, comprising a blower unit of center disc type, driving means for said unit, a drier housing disposed forwardly of said unit, a substantially horizontal heat transfer chamber disposed in said housing and in communication with said blower unit, a flexible conduit in communication with said heat transfer chamber and connected to said housing at the forward end thereof remote from said blower unit, said conduit being adapted for communication with a grain crib or the like, a combustion chamber disposed within said housing, the upper wall of said combustion chamber being adjacent said heat transfer chamber, a substantially L-shaped draft tube disposed within said housing and being in communication with said blower unit, the arm of said substantially L-shaped tube being parallel to the axis of said heat transfer chamber and lying at the upper end thereof, the base of said substantially L-shaped tube extending downwardly adjacent the forward end of said heat transfer chamber and



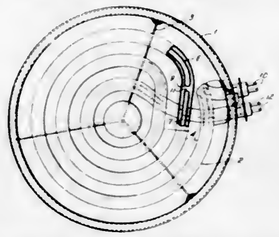
having a discharge outlet adjacent the free end thereof, said discharge outlet being in communication with said combustion chamber, a burner unit mounted intermediate said combustion chamber and the discharge end of said tube, said combustion chamber having a discharge outlet formed in the upper wall thereof adjacent the rearward portion of said heat transfer chamber and in communication therewith, a heat resisting screen positioned at the mouth of said combustion chamber outlet, and a cooling tube disposed within said housing contiguous to said combustion chamber, the side and bottom walls of said combustion chamber forming one wall of said cooling tube.

2,600,604
GRAVITY-OPERATED REGISTER FOR TILTABLE HANDLES
Dolph W. Atherton, Kingsley, Pa.
Application October 23, 1950, Serial No. 191,678
3 Claims. (Cl. 235—94)



1. A device for registering the operations of a tiltable handle comprising a register, a bracket for supporting said register on said handle, a gravity-operated actuating mechanism for said register whereby the latter is normally actuated by each tilting of the handle, a stop movably supported on said bracket, said stop being movable from a retracted position in which it is inoperative to an extended position in which it disables said gravity-operated mechanism, a bias connected between said stop and said bracket and arranged normally to retract said stop, and a finger-piece connected to said stop for extending the latter, said finger-piece having a manually-engageable portion lying adjacent said handle whereby to be readily accessible to the hand of a person grasping said handle.

2,600,605
MULTIPLE COIL TUBULAR HEATING ELEMENT
Christian B. Backer, Ottawa, Ontario, Canada
Application October 15, 1949, Serial No. 121,516
In Canada November 18, 1948
5 Claims. (Cl. 219—37)



1. A tubular heating element comprising an outer tube, at least two heating coils arranged inside the tube, each said coil having separate terminals and being in disconnected relation to the other coil, one coil having a heating section extending throughout one longitudinal portion only of the tube and arranged to heat the latter portion only, and the other coil having a heating section extending throughout the remaining longitudinal portion only of the tube and arranged to heat the latter portion only.

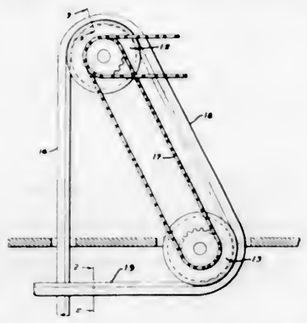
2,600,606
WATER-SOLUBLE DERIVATIVES OF UNSULFONATED LIGNIN
Walter Jean Balon, Carneys Point, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 25, 1950, Serial No. 164,291
8 Claims. (Cl. 260—124)

1. Water-soluble derivatives of lignin, being the compounds obtained by reacting lignin with boric acid and a phenol in quantities not less than 1 mole of each of the latter two to 1 mole of lignin (the latter being considered as having a molecular weight of between 800 and 1000), and alkalizing the reaction product.

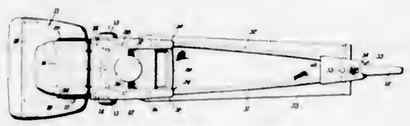
2,600,607
LOAD-SUSTAINING AND FLUID-CONDUCTING HOSE
Clyde E. Bannister, Houston, Tex.
Application November 18, 1947, Serial No. 786,763
7 Claims. (Cl. 254—135)

1. In combination with means for letting off hose into a well hole and comprising a hold-back wheel having non-slip means on its periphery and let-off means for feeding the hose to said wheel, a hose operatively associated therewith and comprising a through-passage fluid-conduct-

ing hose body and, anchored to and projecting from one side of the hose body, tension-sustaining means comprising non-slip means for coacting with the non-slip means on the wheel.



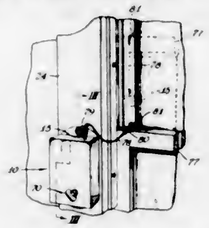
2,600,608
COMBINATION PROPELLING AND PICKUP HANDLE FOR VACUUM CLEANERS
Herbert S. Barnhart, Scarsdale, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 9, 1948, Serial No. 1,386
11 Claims. (Cl. 15—323)



1. A handle for use with a floor type vacuum cleaner having a chassis, said handle being pivotally mounted on said chassis and comprising, a pair of handle arms widely spaced at their lower terminals and convergent toward their upper terminals, one portion of said handle comprising a hollow casing and a cord reel located in said casing, said casing portion being carried by and a major portion thereof positioned between extensions of the lower terminals of said handle arms and said cord reel casing portion being arranged to hold said arms in spaced relation, and a second handle portion secured to the upper terminals of said handle arms and arranged to hold said arms in converged relation.

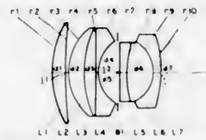
2,600,609
CLOSURE ACTUATED MECHANICAL ALARM
Jay P. Barton, Defiance, Ohio, assignor, by mesne assignments, to Defiance Automatic Screw Company, Defiance, Ohio, a corporation of Ohio
Application February 3, 1948, Serial No. 5,938
16 Claims. (Cl. 116—91)

1. In combination in an alarm device of the character described, a housing having a wall adapted to vibrate with audible frequency, a second wall disposed angularly relative to said first mentioned wall, a clapper mounted in said housing and adapted to strike said first mentioned wall, motor means for actuating the clapper, and a clapper restraining pin releasably carried by said second wall and disposed for restraining the clapper against clapping movement and adapted to be connected to a movable object for



withdrawal to release the clapper for sounding an alarm when said object is moved.

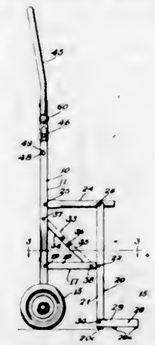
2,600,610
HIGH-APERTURE AND HIGH-TRANSMISSION THREE COMPONENT OBJECTIVE
Ludwig J. Bertele, Heerbrugg, Switzerland
Application April 15, 1950, Serial No. 156,214
In Switzerland May 11, 1949
5 Claims. (Cl. 88—57)



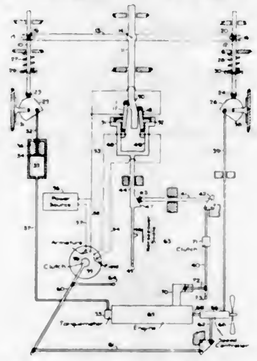
1. In a high-aperture objective including essentially three components separated by air spaces, the first consisting of a simple converging lens facing the object, the second being a diverging component made up of at least three lenses which is highly convex toward the object, and the third being a converging triplet comprising a converging lens of high refractive index between two diverging lenses, the first air space being in the form of a diverging lens toward the object, and the second air space in the form of a converging lens with its less curved surface toward the image, the combination wherein the sum of the refractive indices for the *d*-line of the front component and of the front lens of the second component is greater than 3.375 and wherein the axial thickness of the second component is between 0.14 f and 0.30 f, where f denotes the equivalent focal length of the objective.

2,600,611
COLLAPSIBLE BABY CART
Kenneth A. Bevington, Evanston, Ill.
Application February 11, 1950, Serial No. 143,798
11 Claims. (Cl. 280—36)

1. In a collapsible cart of the character described, an upright back frame member, a pair of spaced apart supporting wheels journaled at the lower end of said back member, a seat member pivotally connected at its rear edge to said back member, an upright front frame member pivotally connected intermediate its height to the front portion of said seat member, said front member having a pair of upright extensions at opposite edges, a pair of arm members in approximate alignment with opposite edges of said seat, pivotally connected at one end to said back member and their opposite end portions being pivotally connected to said extensions of the front member, and two sets of foldable toggle links, at opposite sides of the cart, pivotally connected respectively to the back member and seat member for releasably locking said seat, front and arm members in extended relation to the back member, said pivotal connections being such as to permit collapsing of said seat and arms together with said front member in substantially parallel contacting relation to the back member, the lower end of said front member being dimensioned in corelation to the back member and supporting wheels, whereby when the cart is in extended position, to cooperate with said wheels to stabilize and support the cart in upright position.

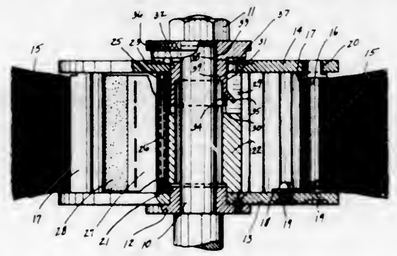


2,600,612
AIRCRAFT POWER CONTROL SYSTEM
Francis G. Bollo, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 12, 1946, Serial No. 703,087
2 Claims. (Cl. 170—135.72)



1. In combination with a spark ignition type aircraft engine wherein the horsepower delivered to a variable pitch propeller is a function of the engine speed and the engine torque, a control system for adjusting and maintaining the operation of said engine at a predetermined horsepower, said system comprising torque measuring means connected to the shaft of said engine, speed controller means affixed to said engine and propeller for regulating the speed of said engine by varying the pitch of said propeller, reversible prime mover means, including an electric circuit, connected to actuate said speed control means, linkage means connecting said prime mover means and said speed controller means, horsepower selector means, air-metering means mounted on said engine, linkage means connecting said air-metering means to the horsepower selector means, electrical switch means in the prime mover means circuit mounted or said horsepower selector means for selectively actuating said prime mover means in opposite directions, pivotally-mounted cam means, linkage means mounted in sliding engagement with the surfaces of said cam means and in contact with said switch means, and transmission means connecting said cam means to each of said torque measuring means and said speed controller means.

2,600,613
ABRASIVE HEAD
George W. Bruner and Joseph C. Shaffer, Indianapolis, Ind., assignors to Vonnegut Moulder Corporation, Indianapolis, Ind., a corporation
Application July 21, 1951, Serial No. 237,904
8 Claims. (Cl. 51—193.7)

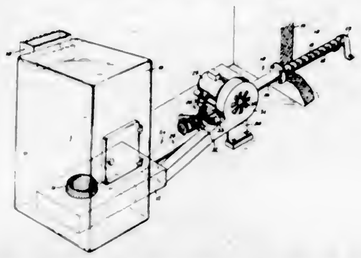


3. In an abrasive head to be driven by a driving spindle including opposed plates for mounting a series of radially-extending brushes, and an abrasive winding drum rotatably mounted about said spindle between said plates, the combination therewith of an abrasive adjusting collar having a portion thereof extending through one of said plates into rotative engagement with said drum and axially displaceable relative thereto, an annular series of teeth formed in said last-mentioned plate exposed to said collar, a corresponding annular series of teeth on said collar positioned to engage with said first-mentioned teeth for interlocking said collar and plate, and a locking nut engageable with said collar for clamping it in teeth interlocking position for securing said drum and plates against relative rotation, said collar being movable axially of said drum and plate upon said nut being backed off in spaced relation thereto for permitting disengagement of said teeth and predetermined angular displacement of said drum.

2,600,614
NONSMOKE-BACK SOLID FUEL FURNACE
David T. Campbell, Indianapolis, Ind.
Application February 24, 1949, Serial No. 78,193
4 Claims. (Cl. 110—44)

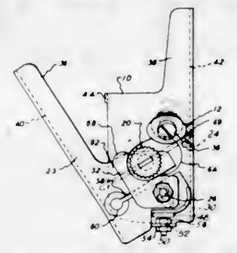
4. In a solid fuel stoker including a fuel-feeding conduit and means for moving fuel through said conduit to a combustion chamber, a blower having an outlet, conduit means connecting said blower to supply a combustion-supporting gas to such combustion chamber, and conduit means having a capacity sufficient to pass substantially the entire volume of gas delivered by said blower when said fuel conduit is substantially empty of coal, said last-named conduit means communicating with said blower outlet at the point of maximum blower delivery pressure and masking

at least one-third of the effective area of said first-named conduit means and connecting said blower outlet to said fuel-feeding conduit ad-



jacent the inlet end thereof to establish and maintain in said fuel-feeding conduit a fluid pressure exceeding the fluid pressure in said combustion chamber.

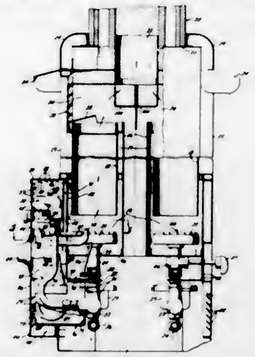
2,600,615
CAN OPENER
Arthur Carp, Hillsdale, Mich.
Application July 13, 1946, Serial No. 683,384
6 Claims. (Cl. 30—15.5)



1. A can mountable opener comprising a member, a cutter on said member, a second member, a driver on said second member, a pivotal pin and slot connection between said members at their lower ends to permit limited relative translation movement, handle portions at the upper end of said members, said cutter and driver being mounted on their respective members intermediate said upper and lower ends, said members being pivotal around said connection between open and closed positions to vary the spacing between said driver and said cutter, cam and cam follow means on said members below said pivotal connection for imparting relative translation movement thereto upon relative pivotal movement, portions on said driver and cutter between which the top peripheral edge of the can is clamped with said members in closed position, another portion of said cutter overlapping said first portion of said cutter to pierce and cut the can top inwardly of the peripheral edge.

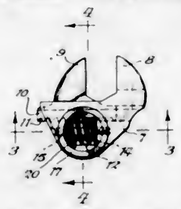
2,600,616
HEATER AND THERMOSTAT SELECTOR SHIELD THEREFOR
William G. Cartter, Monrovia, Calif., assignor, by mesne assignments, to Affiliated Gas Equipment, Inc., Cleveland, Ohio, a corporation of Delaware
Application August 9, 1948, Serial No. 43,278
3 Claims. (Cl. 126—91)

1. A thermo-controlled heater comprising a housing having oppositely facing openings adapted to serve separated spaces to be heated, separate heating devices disposed within said housing adjacent said openings, partition means within said housing intermediate said heating devices to cause heat from each of the separate heating devices to be directed into the respective spaces served by the particular heating device, means adapted to form a common air passage from the spaces to be heated to the heating devices, and inlets thereto adapted to extend from said separate spaces, operative-medium supply conduits connected to said heating devices and



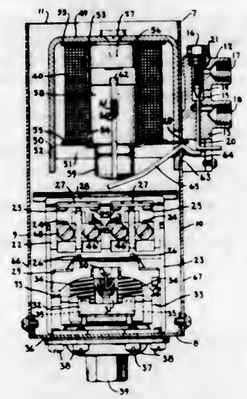
a thermo-responsive control in at least one of the conduits, a thermo-responsive element for the control, and means for directing air from the space served by the heating device having said control in its conduit over the thermo-responsive element and comprising walls forming a conduit within said common air passage having an inlet adapted to face said last mentioned space and an upwardly extending outlet directed toward said last mentioned heating device, said walls comprising a shield against air from the other space.

2,600,617
ADJUSTABLE CROWFOOT WRENCH
Charles F. Coates, Glendale, Calif., assignor to J. H. Williams & Co., Buffalo, N. Y.
Application December 1, 1948, Serial No. 62,918
1 Claim. (Cl. 81—165)



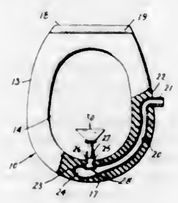
In a wrench having a head provided with a fixed jaw formed integral therewith, a slidable jaw having a shank guided in said head for adjusting said slidable jaw relatively to said fixed jaw and having worm teeth formed thereon, said head having an opening extending transversely through the same, and a worm in said opening and engaging said worm teeth for adjusting said slidable jaw, that improvement which includes a lug extending outwardly from one side of said head and having a non-circular aperture therein to receive an end of a torque bar for turning said wrench, said aperture in said lug being coaxial with and forming an extension of said opening in said head.

2,600,618
MAGNETIC UNLOADER AND PRESSURE SWITCH
Harold E. Cobb, Aurora, and Nobel H. Koertge, Glen Ellyn, Ill., assignors to Furnas Electric Company, Batavia, Ill., a corporation of Illinois
Application February 9, 1949, Serial No. 75,454
5 Claims. (Cl. 175—335)



1. A pressure switch and magnet assemblage comprising, an upright elongated casing, a frame detachably secured within each end of said casing in superimposed relationship, pressure actuated switch mechanism mounted on one of said frames, an electromagnet winding mounted on the other of said frames and energized from said switch mechanism, a core member cooperable with said winding and reciprocable along a path parallel to the vertical axis of the assemblage upon energization and de-energization of said winding, and a valve actuating lever operable by said core member.

2,600,619
HYGIENIC SPRAY ATTACHMENT
Charles Conterno, New York, N. Y.
Application July 7, 1949, Serial No. 103,343
9 Claims. (Cl. 4—6)



1. In a spray device of the class described, a resilient pad member comprising a peripheral portion entirely enclosing a central aperture, whereby it is adapted for positioning upon the rim of a toilet bowl, a rigid tube disposed within the body of the peripheral portion and having an inlet portion and an outlet aperture, and a spray member communicating with said outlet aperture and having a spray head disposed within said central aperture of the pad member.

2,600,620
PROCESS OF MAKING COLORLESS AMINO-2-THIAZOLE
Marc Jean Lazare Crauland, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application December 22, 1949, Serial No. 134,613. In France January 4, 1949
6 Claims. (Cl. 260—306.8)

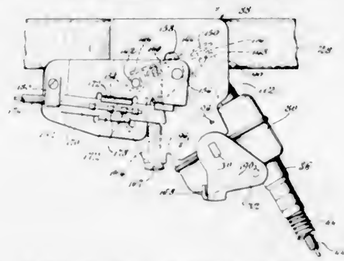
1. The method of making amino-2-thiazole that comprises adding to 137.5 grams of a solution of monochloracetaldehyde containing 87.5 of the semi-hydrate of monochloracetaldehyde, with agitation, adding 1 mol of thiourea in 4 parts at intervals of 15–30 minutes, and continuing the agitation for about two hours after the final addition, cooling with external ice, adding to the solution 15 cc. of 22° Bé. aqueous ammonia solution, adding 195 cc. of 35° Bé. aqueous NaOH, drying rapidly, pasting the product with 70 grams NaCl, 50 cc. of 22° Bé. NH_4OH, and 300 grams H_2O, drying, and washing, and drying, repeatedly with aqueous ammonia solution.

2,600,621
OBTAINING PURIFIED PHENOLS AND CRESOLS OF PETROLEUM ORIGIN
Nathan Fragen, Hammond, and Robert M. Alm, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 3, 1949, Serial No. 108,276
2 Claims. (Cl. 260—627)

1. In a process wherein a crude caustic cresylate solution containing thio-cresols and mercaptides is refined to obtain purified cresols by a combination of steps which include oxidation in an alkaline medium of partially purified cresols for converting mercaptans to disulfides followed by distillation at low temperature and pressure to separate purified cresols from disulfides, the improved method of obtaining preliminary purification which comprises acidifying said solution with an amount of acid sufficient to effect separation of an organic phase from an aqueous phase and to give an aqueous phase having a hydrogen ion concentration higher than 9.4 but lower than 10.8 whereby at least about 80% of the cresols but less than half of the total sulfur content in the crude cresylate solution are present in the organic phase and the organic phase is contaminated by substantial amounts of water and salts, removing the aqueous phase from the contaminated organic phase and further acidifying the contaminated organic phase to obtain a sec-

ond aqueous phase having a hydrogen ion concentration above 7.5 but below 9, adding wash water to the organic phase after said further acidification and in amounts sufficient to effect separation of contaminating salts and water, and separating said second aqueous phase, salts and water from the organic phase before subjecting it to said oxidation step.

2,600,622
WINDSHIELD CLEANER DRIVE
John Victor Stanley Dahlgren, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application January 21, 1949, Serial No. 71,924
14 Claims. (Cl. 74—70)



2. In a windshield cleaner adapted to be driven by a source of mechanical power, the combination comprising a rotatable and axially movable shaft adapted to be rotated by said source of power, cleaner operating mechanism driven by said shaft, an oscillatable member, a rockable member connected for movement with said oscillatable member and rockable relative thereto, said member being operatively connected to said shaft, and yieldable means to rock said rockable member relative to said oscillatable member upon movement of the latter in one direction for moving said shaft axially to disconnect the same from said source of power.

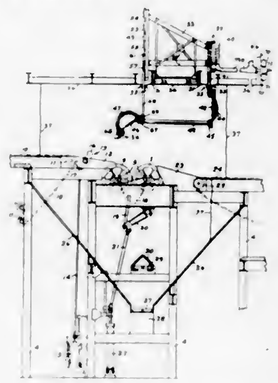
2,600,623
MODIFIED ALKYD RESIN REACTED WITH STYRENE AND AN ACRYLONITRILE
John H. Daniel, Jr., Stamford, and John C. Petropoulos, South Norwalk, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 8, 1949, Serial No. 114,676
11 Claims. (Cl. 260—22)

1. A composition of matter comprising the reaction product, produced by heating in the presence of a catalyst and a solvent, a compound selected from the group consisting of monomeric acrylonitrile, monomeric methacrylonitrile, and monomeric ethacrylonitrile and monomeric styrene with a modified alkyd resin prepared by reacting a polycarboxylic acid, consisting essentially of an acid selected from the group consisting of phthalic acid and the saturated aliphatic polycarboxylic acids, a saturated polyhydric alcohol, a monocarboxylic acid selected from the group consisting of the acids of natural-drying oils and semi-drying oils, and an α,β-unsaturated monocarboxylic acid having the general formula R—CH=CHCOOH, wherein R is a member selected from the group consisting of (1) an alkyl radical having one to three carbon atoms, (2) a furyl radical, (3) a phenyl radical; in which the combined weight of the monomers varies between 25% and 60% of the total combined weight of alkyd and monomers, and in which the weight ratio of monomeric styrene to monomeric acrylonitrile is within the range of 9:1 and 1:1, the α,β-unsaturated acid being present in an amount varying between 2% and 30% of the total weight of the alkyd.

2,600,624
HAIR-WAVING COMPOSITION
Menotti Del Zoppo, New York, N. Y., assignor of one-half to Alice Parker, New York, N. Y.
No Drawing. Application March 15, 1950, Serial No. 149,899
7 Claims. (Cl. 167—87.1)

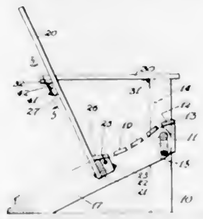
1. A hair waving composition comprising a water soluble salt of a water soluble amine with an alpha-hydroxy fatty acid ester of an acid selected from the group consisting of di- and trithiocarbonic and dithiocarbamic acid and an excess of the water soluble amine in amount to establish a pH of at least 9.2, the said fatty acid containing 2 to 4 carbon atoms to the molecule.

2,600,625
LOG SUPPORTING AND LOG MANIPULATING DEVICE FOR WOOD DEBARKING DEVICES
Erik Ekholm and Victor C. Haner, Bellingham, Wash., assignor to Puget Sound Pulp and Timber Co., Bellingham, Wash., a corporation of Delaware
Application May 26, 1947, Serial No. 750,502
3 Claims. (Cl. 144—208)



2. A device for presenting the surface of wood stock having protruding limbs to a debarking device traveling longitudinally of the wood stock comprising two parallel driven shafts; a plurality of longitudinally spaced disc-like members of substantial diameter in reference to the diameter of the wood stock, mounted on each of said shafts and disposed with their peripheries in close proximity and forming between their peripheries a cradle for supporting said wood stock at a plurality of locations near its end and mid portions and for freely rotating said wood stock and providing spaces between discs for projecting limbs of wood stock; and a plurality of wood stock elevating means pivoted to one of said shafts and longitudinally spaced thereon and the distance between said shaft and the outer end of each of said elevating means being less than the distance between said parallel shafts so that said elevating means are swingable upwardly between said disc-like members and said shafts, the outer end portion of said elevating means functioning to jog wood stock, whereby said wood stock may be manipulated by conjoint action of said elevating means, and said driven shafts carrying said disc-like members.

2,600,626
FOLDING LAWN CHAIR
Adolph E. Ellingson, Chicago, Ill.
Application July 8, 1947, Serial No. 759,519
5 Claims. (Cl. 155—139)



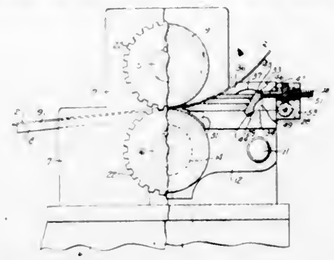
1. A folding chair including vertical front legs, inclined rear legs pivotally secured to said front legs, an apron carried by the front legs and forming an abutment to prevent the opening of said rear legs from the front legs beyond a given point, and means comprising spring latches, each consisting of a spring plate and a projecting pin, said latches being mounted on the front portion of the rear legs, the front and rear legs having bores therein which receive the extended end of the projecting pin to lock the rear legs from folding motion relatively to said front legs.

2,600,627
PROCESS OF TREATING SHRIMP
Karl C. Envoldsen, Cleveland, Ohio
No Drawing. Application October 4, 1947, Serial No. 778,050
6 Claims. (Cl. 99—111)

1. The process of treating shrimp preparatory to eating to preserve their flavor, appearance and food content which comprises, immersing a plurality of shrimp bodies in an aqueous treating liquid having a salinity corresponding to 20° to 90° salinometer, subjecting said shrimp bodies to a heated aqueous liquid at a temperature between 170° F. and 210° F. for a time of about three to about eight minutes, rapidly cooling said bodies in an icy liquid and draining said shrimp bodies.

2,600,628
SHEET ROLLING MACHINE
Llewellyn W. Evans, Rivera, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application January 10, 1949, Serial No. 70,030
13 Claims. (Cl. 153—54)

1. In a machine for curve-bending material, means defining a linear feeding path along which initially straight material may be moved, a plurality of horizontally offset superimposed and substantially flat bend-forming elements engageable by and to laterally flex said material and to define a curvilinear forming path comprising a continuation of said linear feeding path, means for moving said bend-forming elements in unison and in relatively varying degrees to vary the degree of horizontal offset and to alter the curvature of said forming path, and means



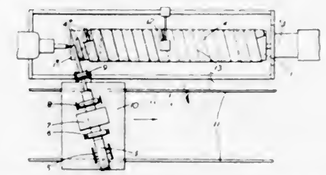
for moving said material along said feeding and forming paths.

2,600,629
FISHING ROD JOINT
Louis B. Feierabend, Pearl River, N. Y., assignor to Super Z Manufacturing Co., Pearl River, N. Y., a partnership
Application June 11, 1949, Serial No. 98,451
2 Claims. (Cl. 287—126)



1. In a joint for fishing rod sections having uniform diameters, an open ended outer sleeve having a continuous internal opening of uniform diameter from end to end, a pair of ferrules in said sleeve for said rod sections, said ferrules having uniform external diameters from end to end thereof equal to the internal diameter of said sleeve opening, each of said ferrules being of a length greater than at least half the length of said sleeve, whereby the combined length of said ferrules is greater than the total length of said sleeve and whereby said ferrules may have their outer ends protruding from said sleeve when their inner ends are in engagement therein, said inner ends of said ferrules being closed, and each of said ferrules having a uniform internal diameter from end to end one of said ferrules being fixed permanently to and within said sleeve and the other of said ferrules being slidable therein.

2,600,630
CONSTRUCTION OF THICK-WALLED HIGH-PRESSURE VESSELS
Hugh Boscawen Fergusson, Bromley, England
Application January 17, 1947, Serial No. 722,592
In Great Britain January 22, 1946
2 Claims. (Cl. 29—148.2)



1. The method of producing thick-walled pressure vessels, which consists in first forming an open ended cylinder from a steel plate; welding the seam and thereafter removing the proud welding; tack welding a short extension to one

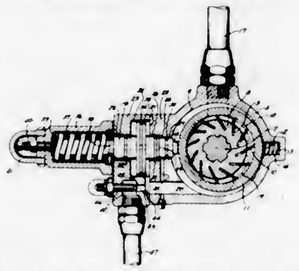
end of the cylinder; winding a heated strip of steel having a narrow metal band welded to one end spirally around the outer surface of the welded cylinder, the extreme end of said narrow metal band being welded to the outer surface of said short extension in order to ensure that said strip of steel is at the desired temperature when it reaches the cylinder; welding the adjacent edges of the strip; winding and welding a further layer of strip steel on to the outer surface of the first strip, the adjacent edges of said second strip being staggered with respect to the adjacent edges of the first strip; and further providing the cylindrical vessel thus formed with thickened ends which may be drilled and tapped to receive studs by means of which closure ends may be secured to the cylinder by welding a narrow steel band to the end of the main steel strip.

2,600,631
RESILIENT SPRING ENVELOPE FOR COLLAPSIBLE TUBES
Emiel Freedman, Nanuet, N. Y.
Application August 10, 1949, Serial No. 109,578
5 Claims. (Cl. 222—103)



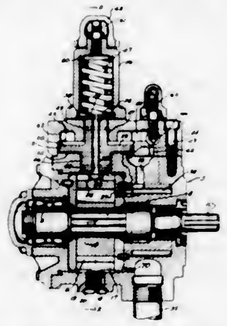
5. A resilient envelope adapted to operate on a collapsible tube for dispensing liquid and semi-solid material, said envelope comprising two spring steel leaves substantially rectangular in shape enclosed within a flexible material which maintains the edges of said leaves together permitting said leaves to be bowed, said envelope protecting said collapsible tube and exerting substantially uniform continuous pressure along at least a major portion of the length of said collapsible tube at substantially right angles to the axis thereof, progressively to collapse said tube as said material is emitted from one end of said tube to urge the walls of said tube into intimate engagement with the material within said tube and to exert forward pressure on the material within said tube.

2,600,632
VARIABLE CAPACITY VANE-TYPE ROTARY PUMP INCLUDING AUTOMATIC MEANS FOR MAINTAINING UNIFORM DELIVERY
Henry C. French, Elm Grove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 14, 1945, Serial No. 628,435
6 Claims. (Cl. 103—120)



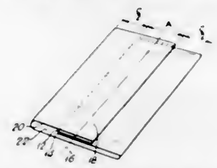
1. In a vane pump having a casing, having a rotor in said casing provided with movable vanes projecting from its periphery, having a regulating ring within said casing normally eccentrically surrounding said rotor and having its inner periphery engaged by the outer ends of said vanes whereby the regulating ring together with portions of the rotor form a work chamber, and having a discharge duct leading from said work chamber, there being a metering orifice of restricted size interposed in said discharge duct, spring means for biasing said regulating ring toward a concentric position with respect to said rotor, means engaging said regulating ring and including a piston of relatively large size and a relatively small piston, said relatively large piston being responsive to changes in the pressure differential between the discharge duct on the two sides of said metering orifice for causing said pump to deliver a substantially constant volume of fluid regardless of variations in the driven speed of said pump, and said small piston being constantly responsive to abnormal fluid pressure conditions in said discharge duct to stop delivery from the pump.

2,600,633
CONSTANT VOLUME VARIABLE SPEED DRIVEN VANE PUMP
Henry C. French, Elm Grove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 5, 1949, Serial No. 74,758
6 Claims. (Cl. 103—120)



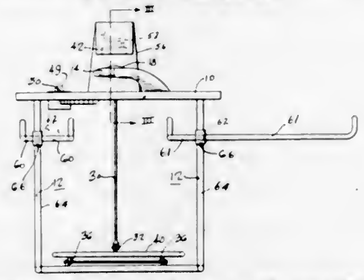
1. In a vane pump having a rotor provided with inwardly directed peripheral recesses, having a freely rotatable, floating regulating ring normally eccentrically surrounding said rotor, having fluid impelling members movable inwardly and outwardly in said rotor recesses with their outer ends engageable with the inner periphery of the regulating ring, and having a casing provided with a pump chamber, there being inlet and outlet ports in an end of said pump chamber, said pump having a discharge duct leading from said discharge port and there being a metering orifice of restricted size interposed in said discharge duct, means for driving said pump at variable speeds, and control means for said regulating ring including a plunger movably engageable with a peripheral portion of said regulating ring, said plunger having differential piston mechanism associated therewith responsive to changes in the pressure differential between the duct portions on the two sides of said metering orifice, and a thrust bearing having a concave part shaped to fit and engageable with a peripheral portion of said ring which is opposite said inlet port, said thrust bearing including a carriage mounted for movement in a direction parallel to the axis of said plunger, the inlet and outlet ports being so located with respect to the axis of said plunger that the discharge pressure of oil in the pump chamber exerts a natural thrust on the regulating ring in a direction to cause movement of the ring and thrust bearing carriage toward the plunger.

2,600,634
PREFOLDED DIAPER
John J. Gannon, Clinton, Mass., assignor to Chicopee Manufacturing Corporation, a corporation of Massachusetts
Application September 1, 1950, Serial No. 182,690
1 Claim. (Cl. 128—284)



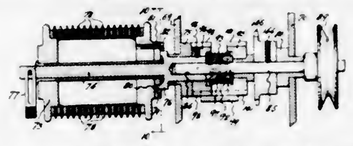
A diaper having an interior surface free from seams and projections comprising an elongated rectangular fabric sheet having its two opposing lateral edges folded over the same surface of the sheet in parallel relation to form opposed marginal panels of unequal breadth with a separating section of the sheet between the marginal panels; the sheet folded to superpose the marginal panels and the lateral edges of the sheet, whereby a three-ply rectangular panel section enveloped between the interior surface of the diaper and the exterior surface of the panel section is formed; the panel section secured to the exterior surface of the panel section, thereby defining a tubular sheet having a panel section; the tube flattened with the panel section lying substantially along the central portions of the sheet; and the open edges of the flattened tubular sheet secured together.

2,600,635
HOSIERY MENDING MACHINE
Charles W. Gardner, Glenside, Pa., assignor, by mesne assignments, to Prestige, Incorporated, New York, N. Y., a corporation of Pennsylvania
Application June 8, 1948, Serial No. 31,820
1 Claim. (Cl. 38—36)



Apparatus of the character described which apparatus includes a frame, a table top carried by said frame, a fixed anvil located above the table top and having an upper, smooth working surface, a rocker arm carried by said table top, a heat and pressure applying head having a lower, smooth, working surface and carried by one end of said arm in vertical registration with said anvil, means for normally retaining said end of said arm and said head spaced upwardly from said anvil, means for actuating said arm to bring the working surface of said head into limited pressure contact with the working surface of said anvil, means for heating said head, a thermostat within said head, said nead having a ventilating opening in the upper portion thereof, and a fixed casing carried by said table top and adapted substantially to enclose said arm and said head when the latter is in its upper position, the peripheries of said working surfaces sloping away from the plane of contact of said surfaces.

2,600,636
DEFINITE POSITION RELEASE TYPE CLUTCH
Henry G. Goetz, Short Hills, and Henry F. Ruschmann, Bernardsville, N. J.
Application October 12, 1948, Serial No. 54,052
1 Claim. (Cl. 192—33)



Transmission mechanism for intermittently driving a strip feed roll, comprising a constantly rotating power shaft, a driven shaft for operating the feed roll, a clutch including a clutch barrel fixed on the power shaft, a helical clutch spring arranged to embrace and normally grip the periphery of said clutch barrel, a clutch driven collar secured to the driven shaft and having one end of the clutch spring affixed thereto, a clutch release collar freely rotatable on the power shaft and having the opposite end of the clutch spring affixed thereto, each of said collars having a radially projecting stop, the stop of the clutch release collar being normally disposed in advance relation to the stop of the clutch driven collar when the clutch spring is in gripping relation to the clutch barrel for transmission of power by the latter from the power shaft to the driven shaft, a detent member movable between normal holding position in the paths of the stops of the clutch driven and clutch release collars and tripped position outside said paths, the arrangement of the detent member being such that when in holding position it will first engage the stop of the clutch release collar to arrest movement of said collar while the clutch driven collar advances to engage its stop with the detent member and in so doing to expand the clutch spring so as to relax its grip on the clutch barrel and thereby interrupt transmission of power from the power shaft to the driven shaft, and operator-controlled tripping means by which the detent member may be temporarily moved into tripped position, comprising a pivoted rocker arm having one end thereof pivotally connected to the detent member in such manner that movement of said rocker arm will move said detent member between holding and tripped positions, an operator-controlled reciprocable trip rod, a tripping member on said rod, a trigger carried by the free end of the rocker arm and disposed in the path of said tripping member, said trigger being adapted to move the rocker arm into detent tripping position upon movement of the trip rod in one direction and

being yieldable from the path of the tripping member upon retracted movement of said trip rod, and yieldable means tending to urge the detent member into holding position.

2,600,637
MATERIALS FOR USE IN PACKING EGGS
Abraham Goldrei, London, England
No Drawing. Application April 1, 1949, Serial No. 85,023. In Great Britain May 18, 1948
7 Claims. (Cl. 99—177)

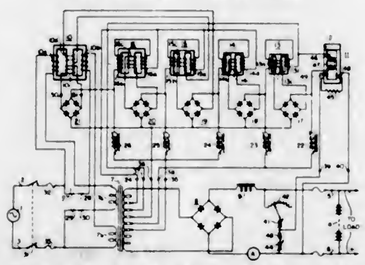
1. Material for use in packing eggs comprising a mixture of approximately 20% lycopodium by weight and 80% by weight of material of the group consisting of borax and boracic acid.

2,600,638
WASH PLUG
Richard Julius Gollong, Wilmington, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 12, 1948, Serial No. 26,501
9 Claims. (Cl. 299—58)



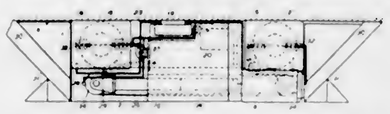
1. In combination, a liquid distributing insert of unitary construction and a liquid conduit wall having an opening therethrough, said insert comprising a body portion having a peripheral surface adapting it to be inserted through and to fit within the opening and having an end-surface disposed exteriorly of the conduit when the insert is positioned in the opening, a shoulder portion extending outwardly from the peripheral surface for engaging the inner surface of the conduit adjacent the opening to support the insert therewithin, extensions of the body portion projecting from said end-surface in a direction away from the conduit with adjacent extensions being spaced peripherally along the outer margin of the end-surface at least one half inch apart measured from center to center, a straight passageway extending lengthwise of the insert along its outer surface from the outer end of each extension centrally thereof into communication with the interior of the conduit.

2,600,639
VOLTAGE REGULATING SYSTEM
Otho D. Grandstaff, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 6, 1949, Serial No. 114,116
11 Claims. (Cl. 321—18)



1. In a voltage regulating system, a source of alternating current, a direct current load circuit, a rectifier connected between said source and said load circuit, a regulating reactor having a saturating winding, a negative feedback winding and a variable impedance winding, a circuit connecting said variable impedance winding between said source and said rectifier to control the voltage impressed thereon, a magnetic amplifier having its input circuit connected across said load and having its output circuit connected to the saturating winding on said regulating reactor so as to govern the impedance winding thereon in accordance with deviations in the load circuit voltage from a nominal voltage, thereby tending to maintain the load circuit voltage constant, and a circuit connecting said negative feedback winding to said magnetic amplifier to suppress oscillations in the load circuit current to provide improved stability in the regulating system.

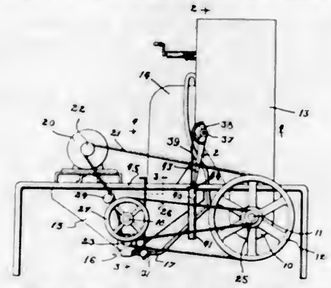
2,600,640
MINING MACHINE
Ernest D. M. Gullick, Glasgow, Scotland, assignor to Mavor & Coulson, Limited, Glasgow, Scotland
Application March 26, 1949, Serial No. 83,696
In Great Britain July 26, 1947
11 Claims. (Cl. 262—8)



1. A mining machine comprising two relatively movable components at least one of which has a cutter head for stripping off mineral along a plane behind the face of a seam, a single-acting hydraulic propulsion unit interconnecting said components, hydraulic units constituted as jacks on the respective components for anchoring them alternatively, cable-and-pulley apparatus interconnecting said components, a cable-looping hydraulic unit arranged on one of said components and applied to a pulley included in said apparatus so as to form a loop in the cable, means for the supply of hydraulic pressure liquid, hydraulic control means and piping connecting said supply means and said control means to said various units, each jack being extensible by the hydraulic pressure liquid to anchor its component and contractible to release its component, and the propulsion unit being extensible by said liquid to push the leading component forward and perform a cutting stroke, and the cable-looping unit being extensible by said liquid to operate said apparatus to pull the rear component forward.

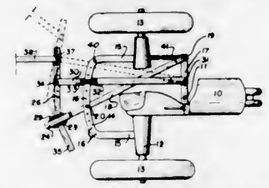
2,600,641
SEED TREATING MACHINE
Morris W. Guyer, Spokane, Wash., assignor to Calkins Manufacturing Company, Spokane, Wash.
Application November 20, 1947, Serial No. 787,134
9 Claims. (Cl. 222—57)

1. A seed treating machine of the character described comprising in combination a mixing chamber, a seed delivery housing opening into the mixing chamber, a slurry delivery housing, a slurry tank, a seed dump pan pivoted in the seed delivery housing, a slurry measuring and delivery cup in the slurry delivery housing connected with said dump pan to move in unison therewith, a pump having an inlet connected to the slurry tank, and a conduit leading from the pump into the slurry delivery housing to supply slurry from said tank to the cup in excess of the cup capacity during the interval when the cup and dump pan are in loading position, and said slurry delivery housing having a portion beneath



the cup directing overflow from the cup to the slurry tank while it is in loading position, and said slurry delivery housing having a portion positioned beneath the dump position of said cup to direct the slurry therefrom into the mixing chamber.

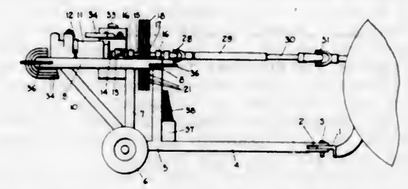
2,600,642
TRACTOR-IMPLEMENT HITCH
Roy W. Hagedorn, Denver, Colo.
Application November 21, 1949, Serial No. 128,669
8 Claims. (Cl. 280—33.44)



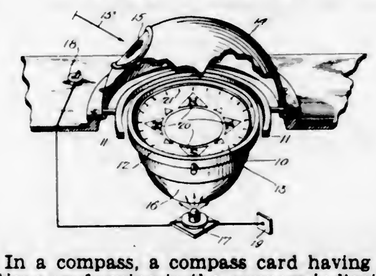
1. The combination comprising a tractor having a hitch pin, a drawbar pivotally connected to said pin and extending rearwardly therefrom, a connector bar pivotally connected to the rear portion of the drawbar, means for holding the connector bar transversely of the longitudinal tractor axis whereby rotation of the drawbar on its pivot imparts lateral translatory movement to the connector bar, means for attaching an implement hitch at one end of the connector bar in selective lateral offset position relative to the longitudinal tractor axis, means to permit the drawbar and connector bar to swing laterally responsive to divergence of tractor movement from the rectilinear, and means to return the drawbar and connector bar to initial offset position responsive to resumption of rectilinear tractor movement.

2,600,643
PORTABLE WELDER
Wesley Hagelgants, Basine, Kans.
Application March 16, 1949, Serial No. 81,700
3 Claims. (Cl. 322—1)

1. In a portable welding device of the class described, an upright frame comprising spaced members, wheels at the lower end of the frame, a drawbar extending forwardly from the frame and adapted for connection to a tractor or the like, an offset frame extension projecting rearwardly from the upper portion of the upright frame, a direct current generating unit mounted on the offset frame extension, a pair of speed step up drive members mounted between the spaced members of the upright frame, a shock absorbing coupling between the current generating unit and one of the drive members, a telescopic driving connection between the other drive member and the power take off on a tractor or the like, and a reactor coil connected to the generating unit and supported between the upright and offset frames.

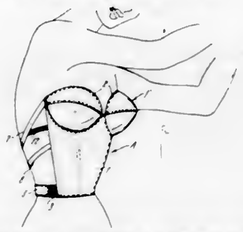


2,600,644
ILLUMINATED DIAL
John L. H. Hand, Bala-Cynwyd, Pa.
Application January 16, 1946, Serial No. 641,579
2 Claims. (Cl. 250—72)



1. In a compass, a compass card having perforations conforming to the compass indications, luminescent material capable of transmitting activating radiations disposed over the perforations, and a source of activating radiation in the compass behind the compass card with respect to the observer and capable of transmitting activating radiations to the luminescent material through the perforations to make it luminous in the view of the observer the compass card excluding direct activating radiation from the observer.

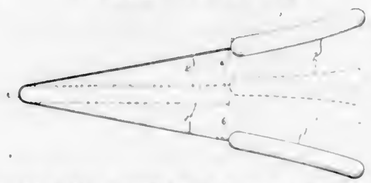
2,600,645
BRASSIÈRE
Edward M. Harrington, St. Louis, Mo.
Application April 8, 1950, Serial No. 154,809
3 Claims. (Cl. 2—42)



1. A brassière comprising a front panel having a cup section at the upper portion thereof which is provided with a pair of cups, strap means for aiding in securing said brassière in place for use,

said strap means being extended from the lower side edges of said front panel and being adapted for disposition in an embracing brassière securing position, and a plurality of straps at each side of said brassière, corresponding forward end portions of the straps at one side of the brassière being attached to the brassière at said one side at vertically spaced points and corresponding forward end portions of said straps at the opposide side of the brassière being attached to the brassière at said opposite side at vertically spaced points, said plurality of straps at the opposite sides of the brassière being attached at corresponding rear end portions thereof to said strap means at points which are located at the back of said strap means when same is in the brassière securing position, said strap means and said plurality of straps at the opposite sides of the brassière serving as the means for securing the brassière in place for use and said strap means and said plurality of straps at opposite sides of the brassière being located entirely below the tops of the cups of the brassière.

2,600,646
CAKE SLICER
Olaf J. Haugland, Chicago, Ill.
Application September 2, 1950, Serial No. 183,025
1 Claim. (Cl. 30—114)



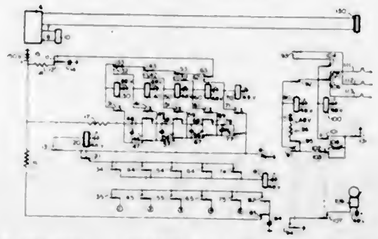
A cake slicer formed of a single piece of resilient material bent intermediate its ends to form elongated twin blades connected by a rounded nose portion of materially less width than said blades, said blades as they recede from said nose diverging yieldingly from each other, handles at the free ends of said blades each disposed in a line continuous with its individual blade, said handles being of twin structure and of materially greater thickness than said blades and having opposed curved faces disposed opposite each other whereby pressure at the ends thereof will cause flexing of the blades to disengage the sliced cake, said radius of the nose portion of the blade and diameter of the handles being substantially the same whereby said blades may be disposed substantially parallel for cutting cake slices of uniform thinness having parallel sides, said blades when disposed in a position diverging from one another serving to cut cake slices of wedge-like shape.

2,600,647
FINGER MAGNET DEVICE
Joseph E. Hauser, Akron, Ohio, assignor to The Serugo Rubber Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application May 1, 1948, Serial No. 24,660
2 Claims. (Cl. 294—25)



1. Apparatus for handling small magnetic articles comprising a rubber finger cot or sheath and a permanent magnet having a concave surface opposed, and having a concave surface cemented to the outside thereof.

2,600,648
RELAY REGISTERING SYSTEM
Roswell H. Herrick, Lorain, Ohio, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 25, 1949, Serial No. 129,488
4 Claims. (Cl. 177—353)



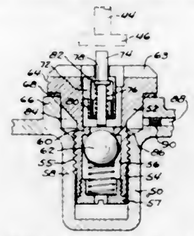
1. A registering system for three condenser discharge circuits comprising a pair of registering relays, a first operating circuit for a first of said relays, a condenser, means for charging said condenser, a first discharge circuit for said condenser which energizes said first relay, a locking circuit for said first relay, said locking circuit passing through contacts of a second of said registering relays, said contacts being closed when said second registering relay is not energized, a second discharge circuit for said condenser which energizes said second relay, a locking circuit for said second relay, a temperature-sensitive resistor which offers high resistance to current flow when cold and low resistance when hot, a ground circuit through said temperature-sensitive resistance, contacts of said second and first relays and the winding of said first relay, said ground circuit being closed when both of said relays are operated, a third discharge circuit for said condenser which passes through contacts of said second relay which are closed when said second relay is energized to reoperate said first relay, and a signal circuit completed by the joint operation of said two relays.

2,600,649
PROCESS FOR PRODUCING CRYSTAL VIOLET
Ralph Otto Heuse, Wilmington, and Phillip Jerome Wingate, Collins Park, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1951, Serial No. 217,054
5 Claims. (Cl. 260—391)

1. A process for improving the qualities of crystal violet containing a crystal violet-zinc chloride complex as an impurity, which comprises treating the same with a solution of a water-soluble ferro-cyanide whereby to decompose said complex and convert the zinc into a zinc ferrocyanide salt.

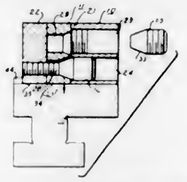
2,600,650
CARBURETOR ECONOMIZER MECHANISM
Robert H. Hieger, Detroit, Mich.
Application March 26, 1949, Serial No. 83,687
6 Claims. (Cl. 261—69)

1. An economizer system for a carburetor having an induction passage with a throttle operatively arranged therein, a fuel reservoir, a fuel conduit leading from said reservoir to said passage and provided with a calibrated orifice; said economizer system comprising an economizer body formed with a fuel passage leading from said reservoir toward said induction passage and by-passing said orifice, a valve seat with an opening formed in said economizer body passage, a free-to-rotate ball adapted to seat at said seat to control said opening and economizer passage, a spring adapted to urge said ball against said seat to close said opening, a pusher member responsive to pressures within the carburetor induction passage on the downstream side of the throttle and terminating at a predetermined distance from said ball and adapted to exert forces pushing said ball away from said



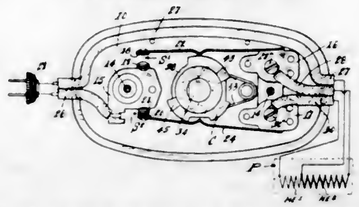
seat to open said opening, a plunger member operatively interposed between said pusher member and said ball to transmit pushing forces thereto, said plunger member having length sufficient to bring said ball into its fully open position when the pusher member moves into its fully extended position but insufficient to bridge the distance between said ball and said pusher member in the retracted position of said member, a separate spring adapted to urge said plunger away from said ball, and stop means for said plunger to limit the movement thereof away from said ball to a position where there is a predetermined clearance at both ends of said plunger between said plunger and the ball as well as between the plunger and the pusher member.

2,600,651
CHASER MOUNTING
William J. Hogg and David R. Powell, Cleveland, Ohio, assignors to The National Acme Company, a corporation of Ohio
Application August 17, 1948, Serial No. 44,708
9 Claims. (Cl. 10—104)



1. A chaser mounting comprising, a chaser holder having a chaser-receiving groove defined by a front wall, a back wall, and a groove, first means carried by the front wall and extendable into the groove, second means carried by the back wall and extending across the groove and through the front wall, said second means being spaced from the first means, first and second shouldered openings in the chaser spaced apart a distance other than the distance at which the first and second means are spaced apart, said first and said second means having cooperating means with the first and second shouldered openings to hold the chaser in a predetermined position in the chaser-receiving groove.

2,600,652
CONTROL SWITCH
Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Original application April 24, 1947, Serial No. 743,676. Divided and this application November 13, 1948, Serial No. 59,937
2 Claims. (Cl. 200—6)

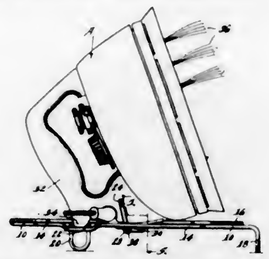


1. In a control switch of the character disclosed, a housing, a contact bracket therein adjacent one end thereof and having a pair of contacts, a pair of circuit wires extending into one end of said housing and one thereof being connected to said contact bracket, the other thereof extending through said housing and from the opposite end thereof, a pair of current carrying brackets in said housing adjacent said opposite end thereof, circuit wires extending therefrom and out of said opposite end of said housing, a leaf spring carried by each of said pair of current carrying brackets and each biased to engage one of said pair of contacts, a cam in said housing intermediate said brackets and cooperating with said leaf springs to separate them from said pair of contacts, said cams having three lobes around the cam axis to effect such separation and three notches between said lobes to permit engagement of said leaf springs with said pair of contacts, two of said lobes and notches being of substantially 45° extent and the third lobe and notch of substantially 90° extent whereby in substantially 90° of rotation and three positions spaced substantially 45° apart of said cam, said leaf springs are selectively disengaged from said contact bracket in two of said positions and both are permitted to engage it in the third position.

2,600,653
IRON STAND
Russell I. Huffman, Dover, Ohio, assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application August 16, 1946, Serial No. 690,948
5 Claims. (Cl. 248—117.5)

1. In a steam iron stand, a grate-like support formed of rod material with some of the rods having depending portions serving as legs to space the support above a supporting surface, and a handle engaging member pivotally mounted on said grate-like support for movement to an upright position to engage the handle of an iron when upended on said stand and prevent sidewise tilting movement thereof, some of said rod like elements providing a socket to receive a projection from said iron handle to predetermine the angle of inclination of the iron relative to the stand when the iron is so upended,

said handle engaging member being capable of assuming a supine position relative to said sup-



port where it does not interfere with the sole plate of an iron positioned in upright position on said support.

2,600,654

CHROMIC OXIDE-CADMIUM CHLORIDE-CADMIUM OXIDE CATALYST

Edward C. Jacobs, San Mateo, Calif., and Lester G. Lundsted, Grosse Ile, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan

No Drawing. Original application March 11, 1947, Serial No. 733,976. Divided and this application July 23, 1949, Serial No. 106,505

1 Claim. (Cl. 252—421)

A chromic oxide complex catalyst composition consisting of a washed and dried aqueous ammoniacal gel consisting of a mixture of chromic oxide, cadmium chloride and cadmium oxide wherein these ingredients are present in the mol ratios of 2.5–4.2 mols of chromic oxide, approximately 2 mols of cadmium chloride and approximately 1 mol of cadmium oxide.

2,600,655

CHROMIUM OXIDE-TUNGSTEN OXIDE-IRON OXIDE GEL CATALYST

Edward C. Jacobs, San Mateo, Calif., and Lester G. Lundsted, Grosse Ile, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan

No Drawing. Original application July 23, 1949, Serial No. 106,505. Divided and this application August 30, 1951, Serial No. 247,189

2 Claims. (Cl. 252—470)

1. A chromic oxide complex catalyst composition consisting of a washed and dried aqueous ammoniacal gel consisting of a mixture of chromic oxide, tungsten oxide and iron oxide wherein these ingredients are present in the mol ratios of 13.2–51.0 mols chromic oxide, 3.8–33.3 mols tungsten oxide and approximately 1 mol of iron oxide.

2,600,656

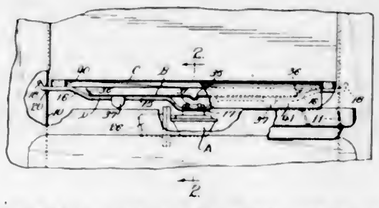
SUPPORT FOR OVEN BURNER ASSEMBLIES

Kenneth S. Jenson and Willis N. Nelson, Wisconsin Rapids, Wis., assignors to Prentiss Wabers Products Company, Wisconsin Rapids, Wis., a corporation of Wisconsin

Application May 12, 1950, Serial No. 161,656

8 Claims. (Cl. 126—39)

3. In a gas cooking range having an oven compartment, a pair of burner assembly supporting rods extended crosswise of the compartment near its base, one toward the forward end and the other toward the rear, the compartment including side walls each having a pair of holes for the end portions of the two rods, each rod being provided with a drop center portion and having its end portions arranged for insertion through opposite holes in the side walls of the compartment whereby to derive support therefrom, a burner positioned within the compartment and extended longitudinally thereof and



having at its opposite ends raised means for engaging the drop center portions of the two rods whereby to suspend the burner therefrom at a level therebelow, and a baffle plate supported by the two rods above the drop center portions thereof and positioned over the burner in spaced relation thereto and having means in engagement with the rods for preventing shifting movement thereupon.

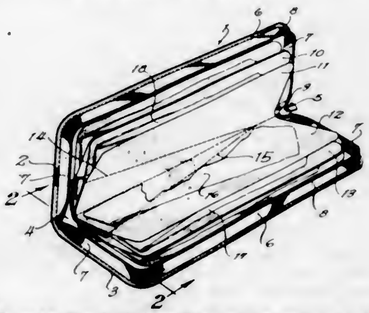
2,600,657

TIE CASE

Bryan S. W. Jones, El Monte, Calif.

Application November 4, 1949, Serial No. 125,440

2 Claims. (Cl. 206—7)



1. A case for holding ties comprising at least two sheets, each of which has end and side edges, said sheets being longitudinally hinged together along their transverse centers to provide four leaves, two leaves in each instance being secured together on a bias to thereby provide an unbiased connection between two of said leaves, said bias in each instance extending from adjacent end edges of two leaves to the longitudinal hinged portion for said leaves.

2,600,658

SHAVER STRUCTURE

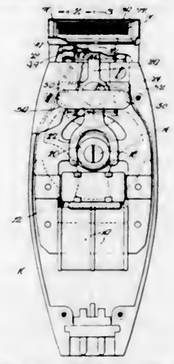
Rudolph Knopp, St. Louis, Mo., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application November 14, 1945, Serial No. 628,522

4 Claims. (Cl. 30—43)

1. A shaver comprising a casing adapted to receive a shaver head, a shaver head received in one end of said casing and having outer and inner cutters, a motor in said casing for driving said shaver head, pressure pins for said shaver

head, means for urging said pressure pins into engagement with said cutter head in a direction to project it from said casing, means for retaining said shaver head in mounted position in said casing comprising a latch mounted in said cas-



ing and having a catch portion normally engaged with said outer cutter, said latch carrying said pressure pins, said pressure pins projecting said shaver head from said casing when said latch is unlatched.

2,600,659

COMBINED FLOAT AND MERCURY SWITCH

Charles J. Koch, Jr., Cincinnati, Ohio

Application November 10, 1949, Serial No. 126,635

3 Claims. (Cl. 200—84)



1. In a liquid level indicator the combination of a float and a mercury switch, said float comprising two substantially cylindrical portions having interengaging flanges and shoulders, said switch being mounted within said float on a disc engaged by said flanges and shoulders, and a lead carrying cable fixed in an end of one of said cylindrical portions so as to suspend said float and switch therefrom, said cable being connected through its leads to terminals provided for said switch and to a source of electricity.

2,600,660

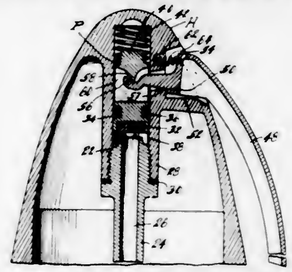
MANUALLY AND AUTOMATICALLY OPERATED VALVE

William B. Kochner, St. Louis, Mo., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application January 25, 1946, Serial No. 643,262

2 Claims. (Cl. 251—134)

1. In a syphon valve structure, a valve body having a bore and a discharge passageway from said bore, a valve seat communicating with said bore, a valve plug slidable in said bore and engageable with said valve seat, a spring for effecting such engagement and permitting the valve plug to be disengaged from said valve seat when excess pressure is delivered to said valve seat, and means to manually open said valve comprising a lever having a hook-like end to engage said valve plug and a shoulder at right angles to said end, said valve plug having a slot and a cross piece therein engageable by said hook-like end of said lever, said valve body having a slot extending laterally from said bore and adapted to receive



said lever, said lateral slot having a shoulder therein, said lever pivoting against a side of said lateral slot, said hook-like end of said lever in engagement with said cross piece normally retaining said lever in position in said lateral slot and a relatively light spring between said two shoulders to retain said hook-like end in engagement with said cross piece.

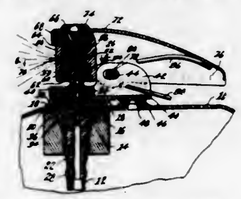
2,600,661

SPRAYING VALVE STRUCTURE

William B. Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application July 23, 1949, Serial No. 106,386

4 Claims. (Cl. 299—95)



1. In a spraying valve structure, a threaded collar, a stem screw-threadedly associated therewith and having a shoulder, a syphon tube on the lower end of said stem, a sleeve over the outer end of said stem having a sealing washer carried therein and surrounding the stem and a sealing disc for the end of the stem, an opening in the side of said sleeve between said sealing washer and said sealing disc for the discharge of liquid from said sleeve, a valve lever to which said sleeve is rigidly secured, a hinge bracket, said valve lever being hinged thereto, and said hinge bracket being secured in position by said shoulder of said stem when said stem is screw-threadedly associated with said collar.

2,600,662

MULTILENTICULAR COLLIMATING GUN SIGHT DEVICE AND OPTICAL SYSTEM

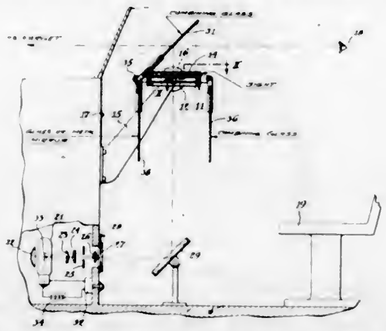
John H. Kurlander, Nutley, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 26, 1944, Serial No. 524,033

9 Claims. (Cl. 88—2.3)

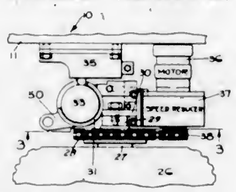
1. An optical system comprising a multilenticular collimating gun sight with a plurality

of reticles inscribed on a single glass plate and arranged in staggered rows forming a continuous mosaic of reticle patterns and a corresponding series of lenses, one for each pattern, said device being pivotally mounted so that it may be disposed with the lenses above the reticles at a selected elevation, or inverted with its elevation correspondingly changed, and provided with



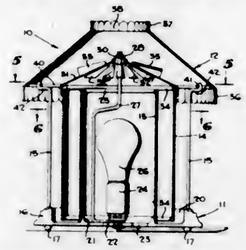
combining glasses hinged adjacent opposite edges so as to reflect light to an observer's eye when the reticle plate is disposed beneath the lenses and receives light from below or when it is disposed above said lenses and receives light from above, and a mirror pivoted adjacent the rear edge of said sight, when disposed so as to receive light from above, to reflect light from the target field onto said reticle plate.

2,600,663
DRIVEN STEERING WHEEL ASSEMBLY FOR COAL LOADERS
Arthur L. Lee, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Original application December 3, 1947, Serial No. 789,382. Divided and this application February 5, 1949, Serial No. 74,751
3 Claims. (Cl. 180—43)



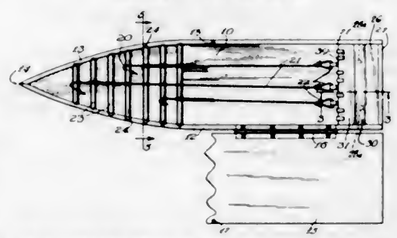
2. A traction wheel assembly adapted to support the main frame of a vehicle including a wheel receiving axle, a traction wheel having a chain receiving sprocket associated therewith for driving it on said axle, a cylinder attached to said axle having a generally upright axis extending at one side of said traction wheel and sprocket, said cylinder being adapted to be received by a bracket means on said main frame for both rectilinear movement and rotary swinging movement along and about said upright axis, hydraulic motor and speed reducer means including a chain receiving drive sprocket carried by said cylinder at one side thereof and at one side of and substantially within the radial confines of said traction wheel, and chain means interconnecting said sprockets for driving said traction wheel from said hydraulic motor and speed reducing means.

2,600,664
ANIMATED DECORATIVE LAMP
Aubrey B. Leech, Los Angeles, Calif.
Application October 8, 1948, Serial No. 53,579
3 Claims. (Cl. 40—40)



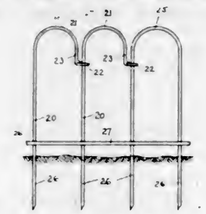
1. An animated decorative lamp which includes: a base having an outer rim, an annular trough inwardly from said rim, an inner rim shaped as the frustum of a cone whose apex is above said base, and a central member with holes therein through which air may pass from beneath said base to the space thereabove; a socket for receiving a light globe, mounted on said central member of said base; a transparent inner cylinder having a translucent background design thereon for illumination by said globe, mounted on said base coaxially therewith and centered by engagement with the conical surface of said inner rim, the latter being positioned to act as a reflector illuminating the lower end of said inner cylinder; an outer cylinder of transparent material surrounding said inner cylinder and rotatable with respect thereto, said outer cylinder being spaced from said inner cylinder and having its lower edge extending into said trough so as to be normally hidden from view, and having a translucent design thereon of a figure to be moved across the said background design on said inner cylinder to produce animation; a pivot member attached to said base and extending upwardly therefrom to a point above said inner cylinder, coaxial with said base; a rotor pivotally mounted on said pivot member, extending to and supporting said outer cylinder, and having a plurality of generally radially extending vanes and associated openings aligned with said inner cylinder for the passage of heated air from said inner cylinder, through said openings, to impinge on said vanes to turn said rotor and said outer cylinders; and a top covering the upper ends of said cylinders and said rotor, spaced from said base.

2,600,665
FISHHOOK CONTAINER
Michael J. Lester, Chicago, Ill.
Application April 6, 1948, Serial No. 19,199
2 Claims. (Cl. 43—57.5)



2. The combination with a container for fish hook leaders arranged in laterally-spaced relation, such leaders having fish hooks at their forward ends and loops at their rear ends, and means in the container engageable by said fish hooks; of a sheet metal member located in the container opposite said hook engageable means and formed with front and rear downbent walls, hooks slidable through the front wall and formed with bills receiving said loops, tension springs within the member and in line with the respective hooks, the latter engaging the front ends of the springs, and connecting means extended from said rear wall for the rear ends of the springs, the forepart of the top portion of the member being flat to form a guide on the under side for said hooks, the rear part of such top being raised to form a clearance for said springs, and said forepart and rear part being connected by an inclined part.

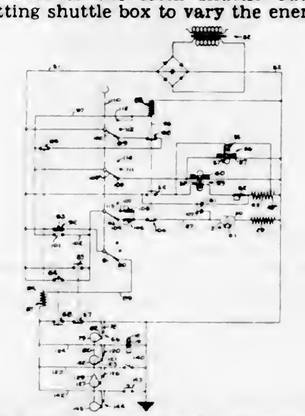
2,600,666
FENCE
William M. Martensen, Chicago, Ill.
Application April 25, 1949, Serial No. 89,391
8 Claims. (Cl. 256—33)



1. A sectional fence comprising a series of self-contained units each including two arms connected by a top connecting portion, one of said arms being substantially longer than the other arm, means to interlock the shorter arm of each unit with the longer arm of the adjacent unit, together with a longitudinally extending running rail extending lengthwise of the fence, the longer arms of successive units being provided with laterally facing notches, said rail being provided with an opening to accommodate the longer arm of each unit, each such opening having an edge portion facing the notch of the unit arm corresponding to such opening, and of dimension to enter into such notch for locking purposes, the longer arms of the units extending through the corresponding openings of the rail, and a tongue carried by the rail at the location of each opening through such rail and at that side of such opening opposite to the edge portion aforesaid, each tongue being of dimension greater than the size of the corresponding rail opening measured in the direction of such tongue minus the dimension of the unit longer arm in such direction, whereby when the edge of the opening of the rail is accommodated within the notch of the unit arm and the tongue is caused to lie parallel to the length of the rail said tongue engages that face of the unit arm opposite to the notch of such arm with retention of the edge of the rail opening within such notch and locking of the unit arm to the rail.

2,600,667
AUTOMATIC STOP CONTROL FOR LOOMS
James A. Mason, Beloit, Wis., assignor to Warner Electric Brake & Clutch Company, South Beloit, Ill., a corporation of Illinois
Application March 24, 1950, Serial No. 151,565
25 Claims. (Cl. 139—341)

1. In a loom, the combination of, an electromagnetic friction brake having a winding, a non-rotatable magnetic ring and a magnetic ring rotatable with a shaft of said loom and drawn into axial gripping engagement with the first ring by magnetic flux threading through the rings upon energization of the brake winding, a similarly constructed direct acting magnetic friction clutch including a winding, a driving ring, and a second ring coupled to said loom shaft, mechanism operable during the major portion of each normal loom cycle to maintain said clutch winding energized and said brake winding deenergized, said mechanism including a device responsive to movement of the loom shuttle out of the transmitting shuttle box to vary the energization



of said clutch winding and reduce the torque capacity of the clutch, a device operable as an incident to the arrival of the shuttle in the receiving shuttle box to restore the current flow in the clutch winding, means operable to detect and give a signal of the failure of the shuttle to reach said receiving shuttle box by a predetermined time in the loom cycle, mechanism coacting with said first mechanism and operable immediately in response to said signal to over-energize said brake winding to effect quick stopping of the loom, and a delay device activated in response to said signal and operable after a brief interval to reduce the energization of said brake winding to a safe value.

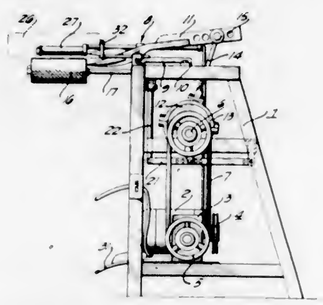
2,600,668
INSECTICIDAL COMPOSITION COMPRISING DDT, PYRETHRINS, AND PIPERONYL BUTOXIDE
Lawrence C. McAlister, Jr., Cheverly, Md., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia
No Drawing. Application June 12, 1947, Serial No. 754,262
6 Claims. (Cl. 167—24)

5. An insecticidal composition having prolonged residual effectiveness composed of an aqueous suspension the active ingredients of which consist essentially of (1) pyrethrins (2) 1,1,1-trichloro-2,2-bis (p-chlorophenyl) - ethane and (3) the mono-n-butyl ether of diethylene glycol derivative of chloromethyl dihydrosafrol.

2,600,669
TUBE SLOTTING MACHINE
Clifford L. McAuliffe, San Pedro, Calif.
Application October 1, 1949, Serial No. 119,129
7 Claims. (Cl. 164—42)

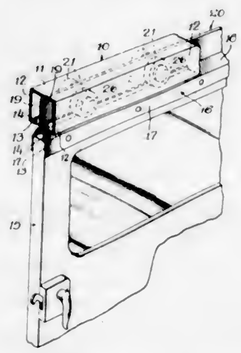
1. A tube slotting machine comprising a frame, a motor mounted on said frame, shears mounted

on said frame, drive means extending from the motor to the shears to continuously reciprocate said shears, a drum positioned below the shears and rotatably mounted in said frame, an intermittent drive means extending from the motor



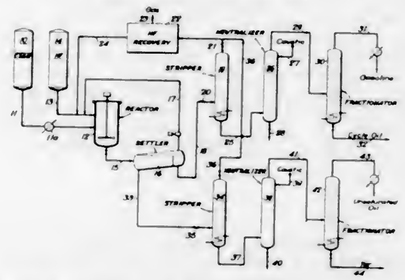
to said drum, and tube clamping means adjacent said drum and spaced therefrom and adapted and arranged to press a tube against said drum, said shears being positioned between said drum and said clamping means and parallel to the axis of the drum.

2,600,670
TRACK AND HANGER UNIT FOR DOORS
George S. Minium, Chicago, Ill.; Bernice A. Minium executrix of said George S. Minium, deceased
Application September 1, 1949, Serial No. 113,500
4 Claims. (Cl. 16—95)



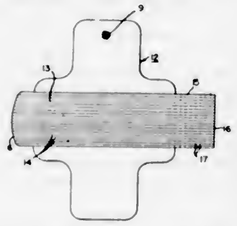
1. In a door hanger, a track consisting of a hollow slotted track member and a hanger comprising a flat, metal tongue adapted to extend the full length of the door, including an integral skirt depending below said track for connection along the upper edge of the door, anti-friction means between said metal tongue and said track disposed wholly within said hollow track member, and the upper edge of said metal tongue extending upwardly into substantially sliding engagement with the upper portion of said track member so that said tongue and skirt form a continuous, substantially closed, weather-proof connection between said track member and door for the full length of the latter.

2,600,671
HYDROFLUORIC ACID REFINING OF HYDROCARBON OILS
Simon Miron, Galveston, Tex., assignor to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
Application October 18, 1949, Serial No. 122,011
5 Claims. (Cl. 196—13)



1. The process of separating tar-containing mineral oils which comprises intimately contacting said oils with at least about one-tenth part, by weight, of liquid HF at a temperature of 375 to 450° F. and under sufficient pressure to maintain the HF in liquid condition, separating the resulting mixture while at said temperature by differences in density into three phases, a tar phase, an oil phase, and a lighter HF phase, separately withdrawing each of said phases and removing HF from said tar phase and said oil phase.

2,600,672
DUST COVER FOR BOOKS
Arthur W. Moon, Middletown, Ohio
Application June 15, 1950, Serial No. 168,293
1 Claim. (Cl. 281—20)



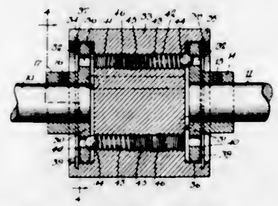
An expansible dust cover for books comprising a flat sheet of pliable material having an elongated flat central section, said section having longitudinally extending parallel scored lines therein whereby said sheet of material is adapted to be creased and made to form an inverted U-shaped dust cover member for fitting snugly over the top edge portions of the leaves of a book, said central section comprising an extension portion which is adapted to be reduced in length, spaced parallel perforated sections arranged transversely of the length of said extension portion for detachment therefrom so that the length of said central section is made to conform with the width of a book on which the dust cover is mounted, said U-shaped member being adapted to have one of its leg members inserted between the initial leaf of the book and the front cover part of the book and the other of said leg member positioned between the last leaf of the book and the back cover of the book

2,600,673
FISHING LURE
Michael F. Murray, Springfield, Oreg., assignor of thirty per cent to Glenn A. Strawn, Springfield, Oreg., and forty per cent to Melvin L. Gans, Springfield, Oreg.
Application December 29, 1947, Serial No. 794,345
4 Claims. (Cl. 43—42.1)



3. A fishing device comprising a spherical body of resilient material having upper and lower walls, said body also having a generally spheroidal chamber therein disposed eccentrically with respect to the center of said body whereby the upper wall of said body is of a thickness greater than the thickness of the lower wall of said body to cause the body to wobble when pulled through a fluid medium, a shoulder integrally formed with the upper wall of said body and disposed within said chamber, and a hook having a shank portion and also having a pointed end, said shoulder having a slot yieldingly receiving the shank of said hook, said body having a slit receiving the pointed end of said hook.

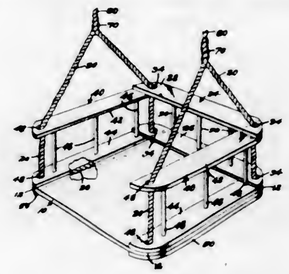
2,600,674
COMBINED FLEXIBLE COUPLING AND OVERLOAD CLUTCH
Efrem N. Natkins, New York, N. Y.
Application March 1, 1948, Serial No. 12,243
4 Claims. (Cl. 64—29)



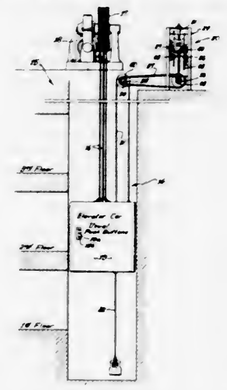
1. A flexible overload coupling which compises a pair of normally aligned shafts having ends spaced apart, circular disks on the ends of said shafts, a connecting block disposed between said shafts and having circular cup-shaped recesses in which said disks are disposed with their edges in line contact with the walls of said recesses, and flexible overload connections between the bottom of the recesses and the adjacent faces of the disks.

2,600,675
FOLDING CHAIR SWING
Kenneth A. Nelson, Salina, Kans.
Application November 28, 1949, Serial No. 129,819
1 Claim. (Cl. 155—58)

In a folding chair swing, the combination which comprises a substantially flat rectangular-shaped seat having vertically disposed rope receiving holes in the four corners, side frames including flat bars connected with spaced vertically disposed rods positioned on the side edges of the seat with one of said bars resting on the seat forming a lower bar and the other of said bars spaced above the seat providing an upper bar, said bars having arcuate outer corners and provided with rope receiving apertures in the ends, a back frame also including flat bars having arcuate outer corners and rope receiving apertures therethrough and retained by spaced vertically disposed rods in spaced relation with a lower bar resting upon the ends of the lower bars of the side frames, the said rope receiving apertures of the flat bars of the side and back frames positioned to register with the rope receiving holes of the seat, and supporting ropes having loops on the downwardly extended ends positioned with front and rear sections of the said loops extended through the rope receiving holes and apertures of the seat and bars of the frames, respectively, whereby the frames are supported by the ropes in vertical positions for use and are folded upon the seat for packing and storing.



2,600,676
ELECTROMECHANICAL AUTOMATIC ELEVATOR CONTROL
Alonzo W. Noon, San Diego, Calif., assignor to William P. Elser, San Diego, Calif.
Application February 10, 1950, Serial No. 143,440
14 Claims. (Cl. 187—29)



14. A control system for an elevator car, including a plurality of piloting switches and a piloting head, said system comprising means for electrically actuating and setting up said switches for starting the car, means for holding said switches in starting and running position, and retractable cam means and main and auxiliary multiple slide means and auxiliary slide actuators for mechanically resetting said switches by action

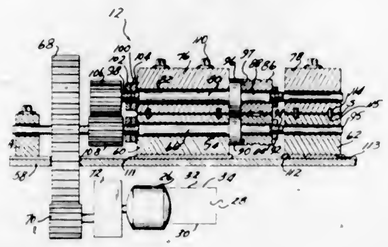
of the piloting head, as the elevator car after a stop has been made moves away from a floor in a direction opposite to that in which said car was running before making said stop.

2,600,677

APPARATUS FOR MANUFACTURE OF SLIDE FASTENERS

Morris Norkin, New York, N. Y.

Application August 3, 1946, Serial No. 688,231
2 Claims. (Cl. 80—24)



1. A rolling mill comprising a base, a pair of vertically registered horizontal roll shafts, bearings near one set of ends of the shafts and carried by the base to rotatably support said shafts over one another in parallelism, means adjacent said set of ends of said shafts to interconnect said shafts for joint rotation in opposite directions at the same angular rate of rotation, a pair of vertically stacked bearing blocks, bolts extending through both blocks to the base for detachably attachng said blocks jointly to the base in a position spaced from the bearings, said blocks having the other set of ends of the shafts journalled therein, a tubular roll die supported on each shaft between the bearings and the bearing blocks, keying means to position said blocks in certain relationship to the base and to each other with respect to a line which is transverse to the plane connecting said shafts, a collar integral with each shaft and located adjacent the bearings, each collar having fixed thereto a pin, said pin being located on the side of the collar remote from the bearings and extending parallel to the shafts, each roll die including a socket spaced from the center of the die a distance equal to the radial spacing between the center of the pin and the center of the associated shaft, said sockets being dimensioned to snugly receive said pins, each collar serving as an abutment member for its associated tubular die, said pins serving to locate the dies in predetermined fixed positions angularly on the shafts whereby each die occupies a predetermined angular and axial position with respect to its shaft and to the other die when the dies are mounted on the shafts abutting against the collars with the pins in the sockets, means detachably engaging each shaft for pressing each die against its associated collar, said means being located between a die and a block whereby each die is removably secured to its shaft and can be slipped off the end of the shaft when the blocks and shaft engaging means are removed, each die having a series of impressions circumferentially disposed around the same with the impressions in predetermined axial and angular relationship on the die so that the impressions on the two dies will be in predetermined mutual operative relationship when secured, without adjustment.

2,600,678

ROCKET POWDER

John J. O'Neill, Jr., Roxana, Ill., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware

Application March 11, 1949, Serial No. 80,959
1 Claim. (Cl. 102—98)



In a giant powder grain having an ignition surface at the end and a series of explosive charges arranged in strata substantially parallel with said end surface, the combination of separators between said strata, said separators consisting essentially of substantially gasless slow burning material.

2,600,679

PROCESS FOR COPOLYMERIZING CONJUGATED DIENES WITH UNSATURATED NITRILES IN AQUEOUS EMULSION

Harold F. Park, East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 12, 1947,
Serial No. 747,594
1 Claim. (Cl. 260—82.7)

A process which consists of copolymerizing 65 parts of butadiene with 40 parts of acrylonitrile in an aqueous emulsion containing 0.4 part of the sodium salt of dioctyl succinate, 0.02 part of potassium persulfate, 0.024 part of sodium bicarbonate, 0.03 part of sodium bisulfite and 0.2 part of dodecyl mercaptan, said polymerization being run at 30° C. for 30 hours in the absence of substantial amounts of oxygen.

2,600,680

PROCESS FOR COPOLYMERIZING CONJUGATED DIENES WITH UNSATURATED ESTERS IN AQUEOUS EMULSION

Harold F. Park, East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 12, 1947,
Serial No. 747,595
1 Claim. (Cl. 260—83.5)

A process for copolymerizing n-butyl crotonate with isoprene which consists of mixing together in an autoclave 450 parts of carbon tetrachloride, 50 parts of potassium persulfate, 200 parts of the sodium sulfonate of dioctyl succinate, 15 parts of sodium hydroxide and 80,000 parts of water, adding 45,000 parts of isoprene and 9000 parts of n-butyl crotonate to the mixture and heating the mixture at 75° C. under constant agitation with the autoclave closed to provide pressure until the pressure drops to about 5 pounds per square inch.

2,600,681

SELF-SUPPORTING FILMS FROM POLYVINYL HALIDE LATEX

Harold F. Park, East Longmeadow, and Milton J. Scott, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 5, 1948,
Serial No. 13,341
7 Claims. (Cl. 260—29.6)

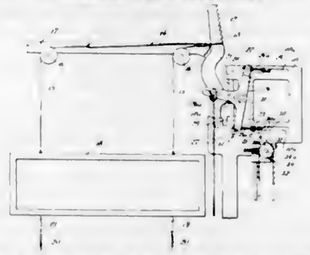
1. A process of making a self-supporting film which comprises dissolving 1–15 parts of a water-soluble ether of a methylol melamine in an aqueous dispersion containing 100 parts of a water-insoluble thermoplastic vinyl halide polymer in which the vinyl halide constitutes a major proportion by weight of the polymer dispersed in water, casting the modified dispersion thus prepared and drying the cast film at 20° to 120° C.

2,600,682

LOOM

Samuel P. Parker, La Grange, Ga., assignor to Callaway Mills Company, La Grange, Ga., a corporation of Georgia

Application February 1, 1950, Serial No. 141,680
5 Claims. (Cl. 139—71)



1. In a dobby mechanism, the combination of a plurality of harness levers mounted vertically for pivoting on a horizontal axis and connected to respective harnesses, a plurality of vertical dobby jacks, one for each lever and pivotally connected thereto between its ends, upper and lower girts engageable by the ends of the jacks to limit their movement in one direction, a hook attached to each end of each jack and extending substantially horizontally therefrom, a pair of knives reciprocable in upper and lower horizontal planes adjacent the hooks, means for reciprocating the knives with the knives moving in opposite directions during each movement of the knives, a pivoted finger for each pair of hooks attached to a single jack, the finger engaging one hook of its pair and being operable to move said hook into and out of the path of one of said knives, needle means actuated by each finger for moving the other hook of its pair into and out of the path of the other knife, and pattern means for operating the fingers, each finger and its needle means co-operating on each operation of the finger by the pattern means to move one hook of the pair controlled by the finger into the path of one knife and to move the other hook of said pair out of the path of the other knife.

2,600,683

TRIFLUOROCHLOROETHYLENE-VINYL ACETATE COPOLYMERS

Frank G. Pearson, Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 8, 1947,
Serial No. 746,882
19 Claims. (Cl. 260—87.1)

9. A material comprising a copolymer whose monomeric constituents comprise trifluorochloroethylene and at least one compound selected from the group consisting of vinyl acetate and vinyl alcohol, the copolymer containing from 5 to 80 mol percent of vinyl acetate when no vinyl alcohol groups are present and, when vinyl alcohol groups are present, being derived by hydrolyzing from a copolymer containing from 5 to 80 mol percent of vinyl acetate and the remainder of trifluorochloroethylene.

2,600,684

HYDROLYZED COPOLYMERS OF FLUORINATED VINYL COMPOUNDS

Frank G. Pearson, Bryn Mawr, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 2, 1950,
Serial No. 142,095
5 Claims. (Cl. 260—87.1)

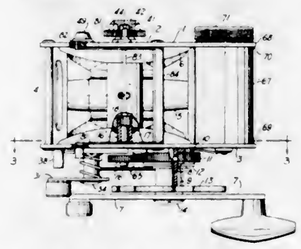
1. A material comprising a deacetylated copolymer of vinylidene chlorofluoride and vinyl acetate having a softening point of about 65 to 70° C.

2,600,685

FISHING REEL

Edward J. Perinoni, Santa Clara, and Dominic Perinoni, Los Gatos, Calif.

Application October 3, 1949, Serial No. 119,328
8 Claims. (Cl. 242—84.6)



4. In a fishing reel, a frame comprising a pair of end members, a spool revolvably mounted between the end members, a bearing for the spool in one of the end members, a lever pivoted to the said end member on opposite sides of the bearing, and having a brake lining upon one end thereof for braking contact with the spool and having an armature at the other end, and an electro-magnet mounted upon said one end member opposite the armature so as to attract the litter and to force the brake lining upon the spool when the electro-magnet is energized.

2,600,686

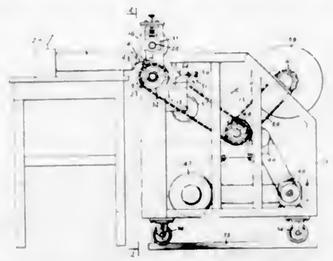
APPARATUS AND PROCESS FOR PREPARING BANDS FROM THERMOPLASTIC MATERIAL

Rene P. Piperoux, Radburn, N. J., David B. Hertz, New York, N. Y., and Frank M. Culpepper, Newark, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

Application June 29, 1949, Serial No. 102,126
4 Claims. (Cl. 18—10)

2. Apparatus for preparing bands from thermoplastic material, which comprises means for shaping the thermoplastic material into a band of given cross-section, means including a casting wheel for further shaping the band while the thermoplastic material is in the plastic state into a band of smaller cross-section, means for trimming excess thermoplastic material from the band during such further shaping, means for

cooling the band, and means adjacent to the casting wheel for positively holding the band



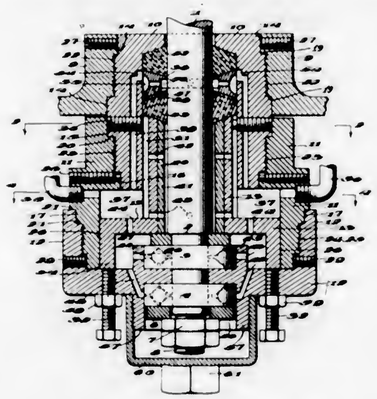
against the casting wheel until the thermoplastic material is set and the band is no longer subject to deformation by mechanical stress.

2,600,687

THRUST BEARING

Eric A. F. Presser, East Chicago, Ind.

Application July 18, 1946, Serial No. 684,418
4 Claims. (Cl. 308—227)



1. A thrust bearing assembly that comprises a rotating shaft, a supporting housing, a stuffing box enclosing the shaft, a pair of ball bearings on the shaft to counteract the end stresses to which the shaft may be subjected, a casing for the parts, a single gland for the stuffing box, means for adjusting the gland exterior of the casing, an oil chamber encircling the gland, and oil ducts from the chamber to the stuffing box and separately to the ball bearings.

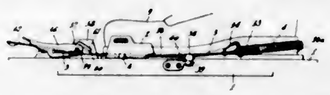
2,600,688

SKI BINDING

Guido Reuge, Ste.-Croix, Switzerland

Application February 27, 1948, Serial No. 11,620
In Switzerland March 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1962
7 Claims. (Cl. 280—11.35)

7. A ski binding secured to a ski and adapted to hold the boot worn by a skier to said ski, which comprises: a heel pull member secured at a plurality of points of attachment along its front portion to said ski, said heel pull member including side portions which extend along said ski; a yoke member connecting said side portions of said heel pull member across the top face of said ski; means cooperating with said heel pull member behind said points of attachment of said heel pull member to said ski for preventing de-



flection of said heel pull member in advance of said points of attachment, said cooperating means also acting to cause diagonal tension on the heel of a boot which is secured in said ski binding; and operating means for rendering said cooperating means operable, said operating means being positioned outside of the area on said ski occupied by the boot of the wearer.

2,600,689

SILICA-EXTENDED TIN OXIDE AND METHOD OF PREPARING SAME

Hartmut W. Richter, Rahway, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 28, 1947, Serial No. 751,148
11 Claims. (Cl. 106—312)

9. A method for obtaining silica-tin oxide opacifying compositions containing about 5 to about 30% by weight of silica and about 60 to about 90% by weight of stannic oxide, which comprises heating an aqueous solution containing sodium stannate and sodium silicate at a temperature in the range of about 150° C. to the critical temperature of water and at a pressure sufficient to maintain a liquid phase throughout said temperature range, the concentrations of sodium stannate and sodium silicate in said solution being sufficient to produce said compositions, whereby a composition comprising stannic oxide and silica in the above stated proportions is formed.

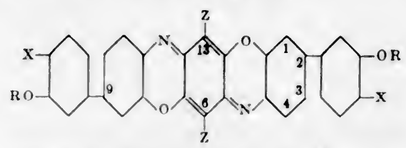
2,600,690

SULFUR COLORS OF THE DIOXAZINE SERIES AND METHOD OF PREPARING THE SAME

Gordon Bradbury Robbins, Claymont, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 7, 1950, Serial No. 154,736
7 Claims. (Cl. 260—246)

1. Sulfur dyestuffs of the dioxazine series characterized by the general formula



wherein Z is halogen selected from the group consisting of chlorine and bromine, R is an alkyl radical of not more than 2 carbon atoms, while X represents a sulfide-vattable radical from the group consisting of the thiocyanate, alkyl xanthate and disulfide radicals.

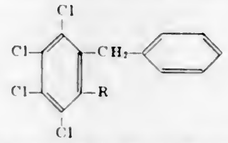
2,600,691

HALOGENATED AROMATIC COMPOUNDS

Sidney D. Ross and Moushy Markarian, North Adams, Mass., assignors to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts

No Drawing. Application October 5, 1948, Serial No. 52,982
3 Claims. (Cl. 260—649)

1. A compound conforming to the general formula



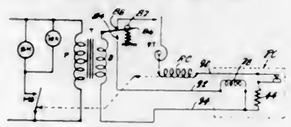
wherein R represents a group selected from the class consisting of benzyl and alkyl radicals.

2,600,692

SAFETY PRIMARY CONTROL FOR BURNERS

John J. Rothwell and Paul Schell, Elkhart, Ind., assignors to Penn Controls, Inc., Goshen, Ind., a corporation of Indiana

Application March 6, 1948, Serial No. 13,418
2 Claims. (Cl. 158—28)



1. A primary control for burners comprising a base member adapted to be mounted on an oil pipe in an oil burner nozzle, a torus-shaped bimetal element adapted to surround the oil pipe and mounted on said base, said bimetal element having one end anchored and the other end free and constituting an actuating element, a combustion switch having normally engaged switch contacts which are controlled by said actuating element, an electric heater for said bimetal element to effect warpage of substantially one-half thereof to thereby tend to disengage said contacts, the other half adapted to be responsive to direct heat from the flame issuing from the oil burner nozzle to thereby tend to retain said contacts in engagement when said bimetal element responds to heat from both said electric heater and direct heat from the burner flame, a housing around both halves of said bimetal element and adapted to surround the oil pipe, said housing being subject to ambient temperature within the burner nozzle and having an opening through which heat from the flame may pass to the bimetal element, snap acting means to retain said contacts open when once they are opened by flame failure, and resetting means for said snap acting means electrically operated and manually controlled from a remote point.

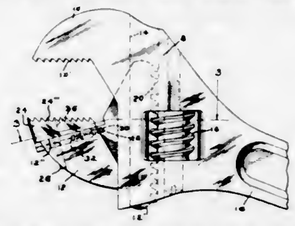
2,600,693

SLIDABLE SIDE JAW WRENCH

Harry T. Rutherford, Mount Washington, Md.

Application December 11, 1950, Serial No. 200,266
1 Claim. (Cl. 81—179)

A wrench comprising a jaw head having a stationary jaw and a movable jaw, the movable jaw having its face angularly disposed to the face of the stationary jaw and sloping outwardly from the stationary jaw in the direction of their outer ends, the jaw head having a channel through the lower portion thereof and a portion of the movable jaw formed in such a manner as to be slidably receivable within said channel for maintaining and guiding the movable jaw in a line perpendicular to the face of the stationary jaw, gear teeth formed along the inner edge of the movable jaw and a rotatable worm screw carried by the stationary jaw adapted to engage the said teeth for moving and securing the movable jaw in predetermined positions, a reciprocatory tapered jaw face having a reduced portion slidably receivable within a slot in the face of the movable jaw, the wider end of the tapered jaw face extending outwardly from the jaw head, means located between the inner end of the



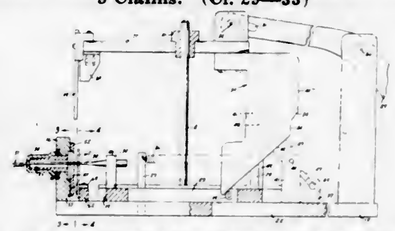
tapered jaw face and the inner end of the slot for resiliently holding the movable jaw in an outwardly position, the bottom edge of the reduced portion of the movable jaw having a recess extending inwardly therein for a predetermined distance, a friction pin extending through an appropriate aperture within the outer end of the movable jaw having its end extended into the said recess in such a manner as to allow free movement of the tapered jaw face along the angular face of the movable jaw for a predetermined distance, the movable jaw face having an aperture opposite the said pin when in extended position for inserting a tool for removing the said pin and a handle extending outwardly from the back of the jaw head.

2,600,694

LIGHTING OUTFIT SUBASSEMBLY MACHINE

Jack Sakirsky, Bridgeport, Conn., assignor to Jacob B. Lew, Brooklyn, N. Y.

Application September 1, 1948, Serial No. 47,248
5 Claims. (Cl. 29—33)



1. In a machine of the character described, the combination with a frame, of a hook adapted to engage the bight of a bent wire covered by yieldable insulation, a hook holder movably mounted on the frame, carrying said hook extendingly therefrom, an insulation-slitting means mounted on the frame, including a pair of relatively movable blades, a wire-cutting means mounted on the frame, including a pair of relatively movable shearing members; said hook at normal rest position lying between the shearing members of the wire-cutting means, between the blades of the insulation-slitting means and with its hook end extending beyond said blades, and operating-

means holding member movably mounted on the frame, means for moving said member to and from a normal rest position on the frame, a first cam means carried on said member, adapted upon movement of said member away from normal rest position, to engage cam follower means on the blades of the insulation-slitting means and bring said blades towards each other, a second cam means carried on said member, adapted upon movement of said member in the direction away from normal rest position, to engage cam follower means on the shearing members of the wire-cutting means and bring said shearing members towards each other, a third cam means comprising four successive cam sections carried on the said member, adapted upon the movement of said member in the direction away from normal rest position, to engage cam follower means on the hook-carrying holder and move said holder during engagement of the first cam section by the last mentioned cam follower means, whereby the hook-end of the hook travels first between the blades of the insulation-slitting means towards the wire-cutting means, then between and beyond the shearing members of the wire-cutting means, then during engagement of the second cam section by said last mentioned cam follower means, halts said hook-carrying holder for a predetermined interval while said first cam means brings the blades of the insulation-slitting means together, then during engagement of the third cam section by said last mentioned cam follower means, further carries said hook-carrying holder a predetermined distance and finally during engagement of the fourth cam section by said last mentioned cam follower means, again halts said hook-carrying holder while the said second cam means brings the shearing members of the wire-cutting means together, and spring means to urge the blades of the insulation-slitting means and the shearing members of the wire-cutting means yieldingly apart and for restoring the hook holder to normal rest position.

2,600,695
PROCESS FOR POLYMERIZING VINYL CHLORIDE
Marcel L. Sans, Venissieux, France, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application July 2, 1947, Serial No. 758,666
3 Claims. (Cl. 260—92.8)

1. The method of making vinyl polymers that includes the steps of passing vinyl chloride in gas phase over active carbon, heating the vinyl chloride in confinement in the absence of solvents and diluents to a mean temperature in the range 30–70° C., for not materially more than 48 hours while mixing it and moving portions of it to a place of lower temperature and immediately away from said place into the mass again in the presence of a peroxide catalyst containing not over .015% of the weight of the monomer of free oxygen, and of a stabilizing amount of a salt of an acid capable of reacting with HCl.

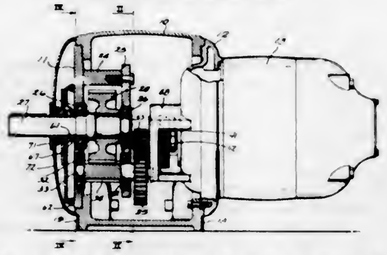
2,600,696
PLATE COOLER
Jacob H. Schmidt, Chicago, Ill.
Application June 27, 1950, Serial No. 170,600
7 Claims. (Cl. 62—11)

1. A device of the class described comprising an enclosed water receptacle, a horizontal top for said receptacle having a plurality of openings spaced across its surface, and means to introduce water into said receptacle to overflow the same through said openings, each of said openings having an individual upwardly inclined overhanging tongue extending from the plane of said top and terminating in a less inclined end portion spaced a predetermined distance above the upper



surface of said top, and the free margin of each of said tongues and the margin of its respective opening providing a horizontally directed water outlet from said receptacle, said openings being arranged in side by side pairs across the surface of said top, and the tongues of each pair of openings extending in opposite directions from each other.

2,600,697
SANITARY GEAR AND MOTOR
Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application April 28, 1949, Serial No. 90,105
7 Claims. (Cl. 74—421)



1. In a gear assembly, a housing comprising a shell and end plates, a shaft extending through one of the end plates, a seal plate mounted on the end plate for sealing about the shaft, and a cover for the end plate and the seal plate and attached to the seal plate for retention on the shell, the housing and the cover presenting substantially smooth and rounded exterior surfaces.

2,600,698
REACTION PRODUCTS FROM AN ALDEHYDE, AN AMINOTRIAZINE, AND A MONO-N-HETEROCYCLIC COMPOUND
Milton J. Scott, Lexington, and Elwood F. Jackson, Ludlow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 13, 1948, Serial No. 59,981
8 Claims. (Cl. 260—67.6)

8. A stable condensation product taken from the group consisting of (1) condensation products of an aldehyde, a heterocyclic compound containing a nitrogen atom in the ring and an aldehyde-reactable aminotriazine containing at least one amino group to which is attached at least one active hydrogen atom, (2) the hydrogenation products of said condensation products, and (3) the quaternary ammonium derivatives of said condensation products in which the nitrogen of the heterocyclic compound is quaternized, said condensation products having been prepared by condensing one mol of the aminotriazine with from 1 to 6 mols of the aldehyde and from 0.5 to 0.7 mol of the heterocyclic compound for each active hydrogen atom in the aminotriazine, the condensation reaction being carried out at from 85 to 100° C., said heterocyclic compounds being taken from the group consisting of alkyl quinolines, pyridine bases, and pyridine derivatives in which at least one of the hydrogen atoms attached to a carbon atom of the pyridine ring is substituted by a radical taken from the group consisting of aryl, aralkyl and amino radicals which contain at least one active hydrogen atom.

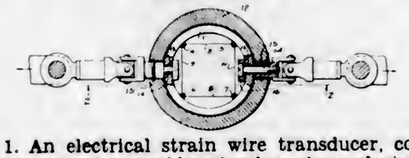
2,600,699
ZINC-COPPER-TIN ALLOY PLATING
Roy E. Shockley, Kokomo, Ind., assignor to R. E. Shockley, Incorporated, Kokomo, Ind., a corporation of Indiana
No Drawing. Application October 19, 1950, Serial No. 191,089
7 Claims. (Cl. 204—44)

1. The method of producing a corrosion-resistant plated surface on a platable article which comprises the steps of immersing in a bath comprising an aqueous solution of zinc, copper and tin salts, and containing an alkali cyanide and a caustic alkali, a cathode to be plated and an anode comprising an alloy of zinc approximately 90%, copper approximately 8.5% and tin approximately 1.5%, and passing through said bath between said electrodes, a plating current, the metal components of said salts being present in the bath substantially in the proportions in which the corresponding metals are present in the said anode.

2,600,700
COMPOSITION FOR ALLEVIATION OF THE TOBACCO HABIT
Colburn J. Smith, Lemoore, Calif.
No Drawing. Application March 8, 1949, Serial No. 80,318
1 Claim. (Cl. 167—55)

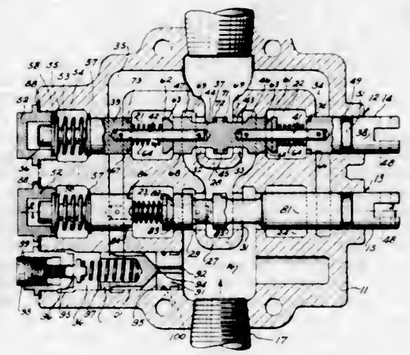
A tobacco habit treating composition comprising a liquid mixture including substantially about 4.2 milligrams of lobeline sulfate, 7.5 milligrams of thiamine hydrochloride, 7.5 milligrams of riboflavin, 18.75 milligrams of nicotinamide, 18.75 milligrams of pyridoxine hydrochloride, and a quantity of water sufficient to form one fluid ounce.

2,600,701
TRANSDUCER AND DEVICE EMPLOYING THE SAME
Louis D. Statham, Beverly Hills, and Gifford E. White, Tarzana, Calif., assignors to Statham Laboratories, Inc., Beverly Hills, Calif., a corporation of California
Application October 17, 1949, Serial No. 121,882
23 Claims. (Cl. 201—63)



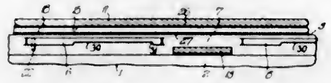
1. An electrical strain wire transducer, comprising a deformable circular ring, electrical strain wires mounted directly upon and extending between spaced points upon the chord lines of said circular ring, each of said points moving with respect to all other of said points on deformation of said ring.

2,600,702
CONTROL VALVE
William T. Stephens, Painesville, Ohio
Application November 29, 1945, Serial No. 631,587
4 Claims. (Cl. 277—55)



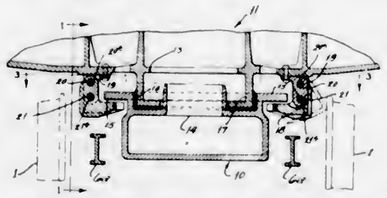
1. A valve comprising a housing, a piston receiving bore therein, said housing having formed therein a fluid outlet chamber having spaced walls intersected by the bore, said bore including a first pair of enlargements with one disclosed at each side of said walls, a fluid inlet passageway in communication with said first pair of enlargements, said bore having a second pair of enlargements adapted for connection with work cylinder means with one of said second pair of enlargements disposed at each side of said first pair of enlargements, there being a wall between adjacent enlargements, a piston in said bore, said piston when in neutral position having a pair of lands each fitting in the wall between adjacent enlargements and a central land disposed between the spaced walls of said outlet chamber, the dimensions and spacing of said lands, enlargements, and walls being such that movement of said piston in one direction from neutral causes one of said pair of lands to withdraw from the associated wall between the enlargements to connect the adjacent enlargements said one land entering the bore through the adjacent outlet chamber wall, said central land simultaneously entering the bore through the other of said outlet chamber walls whereby said outlet chamber is blocked from the inlet passageway, the other of said pair of lands remaining in the bore in its associated wall between the other enlargements, and a disc-like check valve resiliently biased against the end of said piston outwardly of said one of said pair of lands, said check valve being drawn into the bore in the adjacent wall between the enlargements when said piston is moved in said one direction, said check valve being of substantially the same diameter as the bore in said last-named wall.

2,600,703
PRESSURE COOKER
Clifton O. Strom, Racine, Wis., assignor, by mesne assignments, to Speed-Meal Corporation, Racine, Wis., a corporation of Delaware
Application May 18, 1946, Serial No. 670,772
1 Claim. (Cl. 220—40)



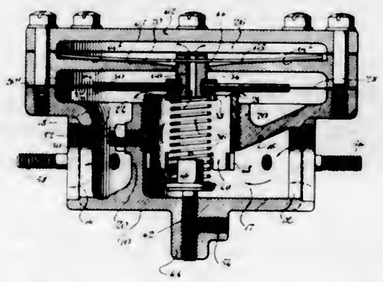
In a pressure cooker, a cooker body, a sealing surface on said body, a plurality of spaced apart ribs projecting radially outwardly from the cooker near said sealing surface, a lower surface on each rib disposed in two planes both of which are parallel to said sealing surface, the portion of said lower surface disposed in the upper one of said planes constituting an auxiliary lock and the portions in the lower one of said planes forming a lock and a shoulder stop disposed at the opposite ends of said auxiliary lock and connected thereto by walls disposed at right angles to said planes; a flanged cover, a sealing surface on said cover adjacent said flange, a plurality of spaced apart ribs projecting radially inwardly from the flange adapted to pass between adjacent ones of the ribs on the cooker; and a self-sealing gasket engaging said sealing surfaces and supporting the cover with said cover lugs disposed below and spaced from said lower one of said planes so that on rotation of the cover the ribs will pass beneath and in spaced relationship to the shoulder stop, auxiliary lock and lock, into alignment with the lock, said cover rising as pressure is built up in the cooker to register the cover ribs with the lock to secure the cover on the cooker, and said gasket maintaining a seal during said movement of the cover to permit working pressure to be built up in the cooker, said cover ribs snapping into engagement with the auxiliary locks when the cover is counter-rotated with some pressure in the cooker to break the seal and release said pressure.

2,600,704
RAILWAY CENTER PLATE LOCKING STRUCTURE
James C. Travilla, Jr., University City, Mo., and Benjamin E. Glenn, Jr., Ridley Park, Pa., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application March 17, 1948, Serial No. 15,428
5 Claims. (Cl. 105—199)



1. In a railway vehicle, a truck including a center plate with an outwardly extending flange, a vehicle body having a center plate rotatable on said truck center plate, and a hook-like member pivotally attached to the body between said center plates and the side of the body and normally positioned beneath said center plate flange to prevent vertical disassembly of said truck and said body, said hook-like member being pivotable to a position to clear said flange for vertical disassembly of said center plates with said member secured to the body and removable means associated with the hook-like member and the body to hold the hook-like member in selected position.

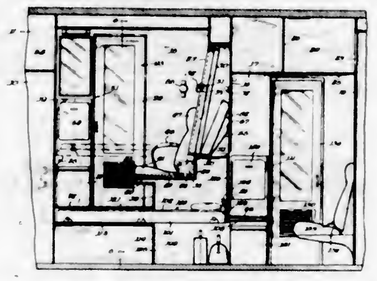
2,600,705
CONTROL VALVE
Vernon N. Tramontini, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 14, 1946, Serial No. 647,597
5 Claims. (Cl. 50—14)



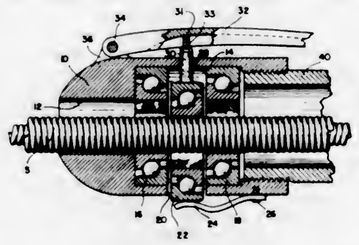
1. An air pressure regulator comprising a housing which provides a valve chamber and a pressure chamber, a flexible wall between said chambers, the valve chamber having an air inlet and an air outlet with a partition between them, means forming a port through said partition with an annular valve seat at said port, valve means carried by said flexible wall, said valve means being disposed opposite said seat and normally spaced therefrom, said flexible wall having an opening which admits the inlet pressure to said pressure chamber whereby the differential pressure between the inlet and the outlet is applied to the flexible wall in a direction to seat the valve, and spring means opposing movement of the valve toward its seat including a spring exerting a substantially constant pressure on said valve, and other spring means for exerting a force on said valve increasing disproportionately as the valve approaches its seat.

2,600,706
RAILWAY SLEEPING CAR BED
James K. Tully, United States Army, and Basil E. Jones, Flossmoor, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application February 7, 1944, Serial No. 521,487, now Patent No. 2,432,572, dated December 16, 1947, which is a division of application Serial No. 384,681, March 22, 1941, now Patent No. 2,364,595, dated December 5, 1944. Divided and this application June 4, 1945, Serial No. 597,536
12 Claims. (Cl. 5—10)

6. In combination with a plurality of walls defining a room and a recess opening into the room, a full-length bed frame slidably mounted for horizontal movement between extended and retracted positions in the room and recess respectively and having supporting means secured to the frame at each side, said supporting means including individual supporting rollers mounted on one side of the frame at opposite ends and a supporting roller mounted on the other side of the frame at one end, a supporting track secured to one of said walls adjacent the first-named side of the frame engaging said rollers on said side of the frame and extending substantially the full-length of the range of movement of the frame, a supporting track secured to a wall of the recess at the other side of the frame engaging said one roller and of less length than the first-named track but extending substantially the full length of the frame, a supporting element secured to the frame at the other end of the last-named side engaging said last-named track to support the frame in retracted position, slotted means fixed in the room in the path of said element adapted to receive said element and support said last-named end of the frame in extended position, means for locking the frame in retracted position, and means for locking the frame in extended position, both of said locking means being releasable from said last-named side of the frame.

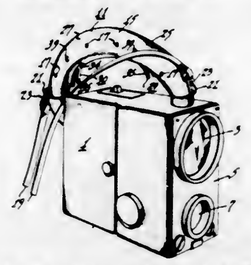


2,600,707
FLEXIBLE ROTARY REAMING APPARATUS
James E. Turnbaugh, Seattle, Wash.
Application April 15, 1949, Serial No. 87,621
5 Claims. (Cl. 15—104.3)



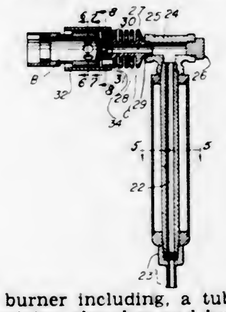
1. A movable chuck for gripping rotary snakes to facilitate the application of force longitudinal of the snake in either direction while the snake is rotating, comprising: a casing, of such size, weight and shape as to be conveniently held and manipulated in the hands of an operator, having a longitudinal bore from end-to-end, a pair of freely rotating collars mounted in said bore, with their axes in substantial alignment with the axis of said casing, a third freely rotating collar interposed between said pair of collars with said pair of collars positioned close to said third collar, said casing being adapted to permit lateral movement of said third collar relative to said pair of collars, and presser means operable upon said third collar to laterally shift the latter whereby a gripping action is imparted upon a snake passing through said collars while permitting the snake to rotate within said casing.

2,600,708
HANDLE FOR SENSORY AID INSTRUMENT HAVING LIGHT PROJECTING MEANS
Robert E. Ulrich, Riverton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1949, Serial No. 130,012
6 Claims. (Cl. 88—1)



1. In a sensory aid instrument for a blind person, the combination with a case therefor having a center of gravity and a front surface through which a light beam may be projected along a definite axis, of a handle for carrying and orienting said case, said handle comprising an elongated member having front and rear carrying portions arranged to be separately gripped by the hand of the blind person for orienting said case in a horizontal or tilted position respectively, said front portion being disposed along a line which is substantially parallel to said light beam axis, said rear carrying portion being disposed along a line which is at an angle with respect to said light beam axis, and both of said carrying portions being disposed on said casing in a common plane which includes the center of gravity of said case and said light beam axis and also being respectively disposed substantially vertically directly over said center of gravity when said carrying portions are held respectively in said horizontal and said tilted carrying position in the hand of the blind person.

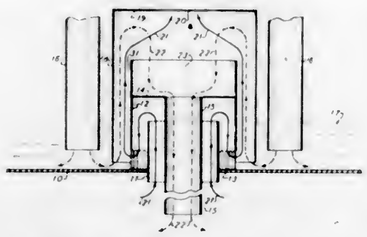
2,600,709
GAS-BURNING TORCH
Roy M. Varley, Dallas, Tex.
Application April 20, 1949, Serial No. 88,667
2 Claims. (Cl. 158—99)



1. A gas burner including, a tubular housing forming a mixing chamber and having one end completely open and one end closed, a fuel gas inlet jet in the closed end of the housing for directing a divergent stream of fuel gas into the mixing chamber, the housing having air inlets adjacent the fuel gas jet, an annular impingement shoulder disposed internally in said housing in adjacent spaced relation to its open end,

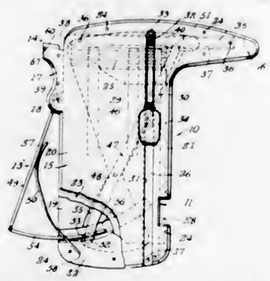
and a finned fuel gas conductor connected to the closed end of said housing in communication with said fuel gas jet and having transverse openings in its fins.

2,600,710
BUBBLE CAP FOR WASHING GASES AND VAPORS
Henry N. Wade, Los Angeles, Calif.
Application November 15, 1947, Serial No. 786,175
2 Claims. (Cl. 261—114)



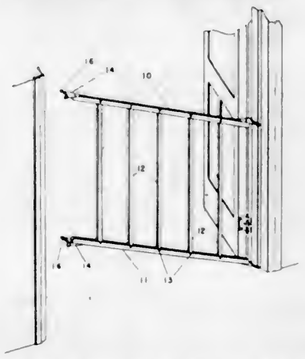
1. In a gas-liquid contacting column having a plate, a contacting unit comprising: a gas uptake extending above said plate; an inverted cup surmounting said uptake and provided along its lower edge with means for dividing a gas stream into a plurality of minor streams; a ring-shaped shield surrounding said inverted cup and spaced therefrom to form a relatively narrow, vertical, annular conduit having parallel walls, the lower edge of said shield being spaced from said plate to allow liquid from said pool to enter said annular conduit; means disposed within said shield for collecting liquid educted through said annular conduit, said collecting means arranged to prevent return of the educted liquid to the pool from which it was withdrawn, and means for draining said collected liquid onto a lower-lying plate, said last means arranged to prevent overflow of liquid from said pool and to receive only said collected liquid.

2,600,711
BOBBY PIN APPLIER
Lew Wayner, Los Angeles, Calif.
Application December 10, 1949, Serial No. 132,285
2 Claims. (Cl. 132—1)



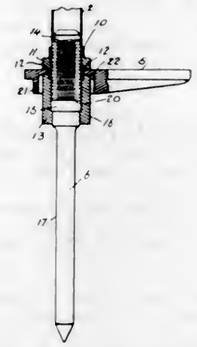
1. A bobbypin ejector comprising a flat body embodying a magazine for holding a quantity of bobbypins in stack arrangement, a spreader for said bobbypins at one edge of said body and adjacent one end thereof, an ejector within the body engageable by the topmost bobbypin of the stack and movable in a path to successively eject pins from the stack toward and beyond said spreader, a handle disposed adjacent said edge of the body and having a portion extending into the body from said edge, a pivot connecting said handle to the body, and a lever within the body interconnecting said portion of the handle and said ejector and having a pivot intermediate its ends and connecting the lever to the body, the body and handle being adapted to be grasped in one hand and the handle pressed by the fingers of said hand in a direction toward the body to rock the lever on its pivot and move the ejector in a direction opposite to that of the movement of the fingers, whereby the bobbypins from the stack are ejected from the body in a direction opposite to the direction of movement of the handle.

2,600,712
COLLAPSIBLE BARRIER
Morton I. Weinberg, Ypsilanti, Mich.
Application June 2, 1949, Serial No. 96,710
3 Claims. (Cl. 160—160)



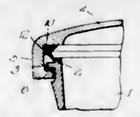
1. A collapsible removable barrier for use in a doorway or other opening having opposed spaced vertically extending retaining strips at each side thereof comprising upper and lower horizontal metal members each having a pair of vertical flanges arranged in opposed spaced facing relationship to define an open channelled substantially rigid structural shape, a plurality of spaced rigid tubular sheet metal posts projecting at their ends into said channels, means for pivotally connecting said posts to said flanges, and each of said horizontal members having a pad of yieldable resilient material secured to each end thereof for engagement with said retaining strips so that, when the pads at one end of said horizontal members are engaged with the retaining strip at one side of said opening with said barrier partially collapsed, said pads at the other ends of said members will serve as centers of rotation for said horizontal members and downward force exerted on the upper of said horizontal members will be communicated through said tubular posts to said lower horizontal member to cause said barrier to be extended and as said members approach the horizontal to cause the pads on the other ends thereof to move into engagement with the opposed retaining strip with a rate of approach which is a cosine function of the angle of said members from the horizontal whereby a theoretically infinite wedging action on said pads to compress the same is effected to hold said barrier firmly fixed in extended position in a substantially rigid statically determinate form in tight wedging engagement with said retaining strips.

2,600,713
GOLF BAG SUPPORT
Douglas S. Wells, Toronto, Ontario, Canada
Application September 2, 1948, Serial No. 47,509
In Canada April 30, 1948
2 Claims. (Cl. 248—96)



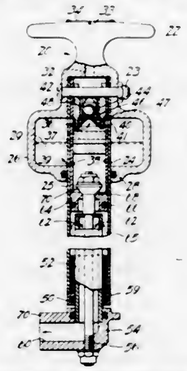
1. An article of the class described comprising a tubular support externally threaded at its lower end; a sleeve mounted on said lower end and provided with an external flange about midway its length; a foot plate rotatably mounted on the lower end of said sleeve and located under the said external flange; a socket internally threaded far enough to receive the lower threaded portion of said tubular support and adapted to contact the underside of said foot plate easily when mounted on said support, the inner side of said upper end of said socket being counterbored to receive the lower end of said sleeve extending below said foot plate, the lower internal portion of said socket below the threaded part thereof through to its lower end, being plane and provided with an internal shoulder located well above said lower end; a reversible spike rod having a head of uniform diameter above and below the flange carried thereby and of greater diameter than the spike, the said flange being of uniform but greater diameter than the rest of the said head and located near one end of the said head, the said socket adapted to be placed on said spike rod to bring its shoulder against the under side of the flange on the said head and the upper side of said head flange into contact with the bottom of said support as said socket is being placed on said tubular support.

2,600,714
GASKET FOR PRESSURE COOKERS
Max B. Wenscott and Clifton O. Strom, Racine, Wis., assignors, by mesne assignments, to Speed-Meal Corporation, Racine, Wis., a corporation of Delaware
Application May 18, 1946, Serial No. 670,783
8 Claims. (Cl. 220—46)



1. The combination with a pressure cooker comprising a body member having a sealing seat on its upper edge, a removable cover member for said body member having a depending rim adapted to receive and engage over the upper edge of the body member, said cover member having an annular sealing seat facing the seat on the body member, and interlocking means carried by the members and interengageable when the cover is turned to a certain position; of a sealing gasket carried by one of said members having flexible sealing lips movable by internal pressure into sealing contacts with said seats, said gasket having at least one weakened deformable area subject to deformation radially outwardly by internal pressure in the cooker when said pressure reaches a predetermined value above normal cooking pressure thereby to move one of said flexible sealing lips off of its seat and release said pressure.

2,600,715
HYDRAULIC BRAKE ACTUATOR FOR HELICOPTER ROTORS
John W. Wheeler, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application January 3, 1950, Serial No. 136,445
6 Claims. (Cl. 60—54.5)



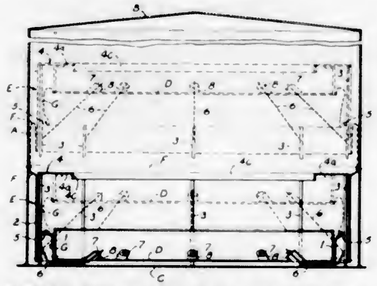
3. In combination, hydraulic pressure responsive actuating means, a control device comprising relatively displaceable piston-cylinder means defining therebetween a fluid chamber, a closed conduit interconnecting said chamber and said responsive actuating means, a fluid reservoir adjacent said chamber and arranged in communication with the latter as controlled by a check valve device, and means maintaining fluid under air pressure at a preselected head within said reservoir, said means comprising a weight member seated upon a perforated valve disc and disposed within an air vent conduit from said reservoir to the atmosphere externally thereof, whereby said weight member controls the flow of air into and out of said reservoir and thereby determines the pressure head against said hydraulic system.

2,600,716
PREPARATION OF CELLULOSE ESTERS
Blanche B. White and Leonard J. Rosen, Summit, and Peter Blackman, Westfield, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 9, 1948, Serial No. 48,532
12 Claims. (Cl. 260—230)

12. Process for treating cellulose propionate, which comprises ripening said cellulose propionate at a pressure of about 150 pounds per

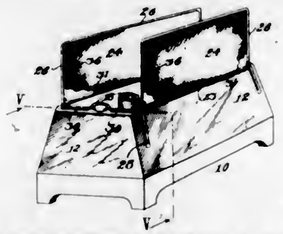
square inch and at a temperature of about 155° C., and subjecting a mixture of 10 parts by weight of said ripened cellulose propionate in solid form and 100 parts by weight of dilute propionic acid having an acid concentration of about 20% by weight, to super-atmospheric pressure of about 25 pounds per square inch, at a temperature of about 130° C. whereby said cellulose propionate is rendered more stable.

2,600,717
DRY SEAL PRESSURE TYPE GASHOLDER
John H. Wiggins, Chicago, Ill.
Application July 8, 1947, Serial No. 759,579
5 Claims. (Cl. 48—178)



1. A fluid storage apparatus, comprising a container having a side wall, a vertically-movable piston in said container, an annular backing member disposed in the space between the piston and the container side wall and movable relative to both, a flexible sealing member attached to the backing member and to the container side wall, a second flexible sealing member attached to the backing member and to the piston, a reinforcing member attached to one end of said backing member so as to preserve the annular shape of the end portion of said backing member to which said reinforcing member is attached, and a plurality of collapsible stays attached to the piston and to the other end portion of said backing member, said stays being adapted to distend into a condition in which they prevent the end portion of said backing member to which they are attached from going out of round.

2,600,718
SPROUTING APPARATUS DEVICE
David E. Wilson, Arlington, Va.
Application April 18, 1950, Serial No. 156,600
5 Claims. (Cl. 47—1.2)

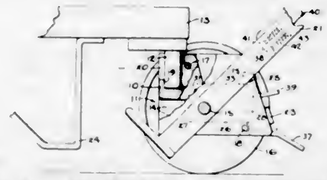


1. In a propagating apparatus, a transparent oblong body having inclined sides and ends, a substantially V-shaped channel portion having a bottom and inclined side walls disposed in the upper half of said oblong body and containing therein a plurality of vertical transparent tubes integral with said base of the V-shaped channel and equally spaced the full length of the V-shaped channel and designed to hold the stems of plant leaves, a pair of vertically disposed gauze covered wire frames, detachably mounted in parallel relation to each other on the rim of said oblong body; a gauze covered wire frame consisting of a top side and turned down end members shaped to fit over said first named vertically disposed gauze covered wire frames, all of said frames in combination providing a suitable enclosure for the plant leaves.

2,600,719
SEAWATER DESALTING COMPOSITION
William Wood, Philadelphia, Pa., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 6, 1949, Serial No. 131,497
5 Claims. (Cl. 252—189)

5. A compressed briquet of finely divided chemicals for desalting seawater which comprises as its principal ingredients a mixture of inorganic silver alumino silicate zeolite with a substantial quantity not exceeding 70% by weight of the mixture of a high capacity water in soluble silver cation exchange resin.

2,600,720
TRUCK DOLLY AND JACK
Paul T. Abramson, Rockford, Ill., assignor of one-third to Thomas H. Abramson and one-third to Carl A. Carlson, both of Rockford, Ill.
Application August 25, 1950, Serial No. 181,406
8 Claims. (Cl. 280—46)



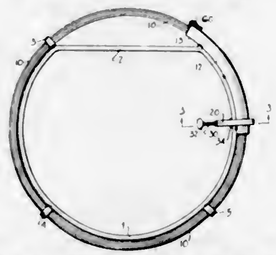
1. In a truck dolly having a pair of wheels spaced along an axle, the combination of, a frame mounted on said axle between said wheels and movable relative to the latter about the axle, a coupling element adapted to receive the coupling pin of a truck and pivotally suspended from said frame on one side of said axle, a lever pivotally connected adjacent one end to said coupling element and extending from the latter across said axle with its other end portion disposed on the opposite side of the axle, said lever having a pivotal and sliding connection with said frame intermediate the lever ends, a latch pivoted on said frame on said opposite axle side and engageable with said other end portion to hold said lever and said element against movement relative to the frame, means yieldably urging said latch into engagement with said lever, a handle mounted on said axle and swingable about the latter relative to said frame on said opposite axle side, a member on said latch extending outwardly therefrom away from said axle, a projection on said handle movable relative to the latter into and out of an active position in which the projection is engageable with said latch member in the downward movement of the handle on said opposite axle side to move the latch away from said lever and release the latter and said element for movement relative to the frame, and means yieldably urging said projection away from said active position.

2,600,721
PORTABLE SEAT CUSHION
Verna A. Atkins, Anderson, Ind.
Application December 29, 1948, Serial No. 67,857
2 Claims. (Cl. 155—182)



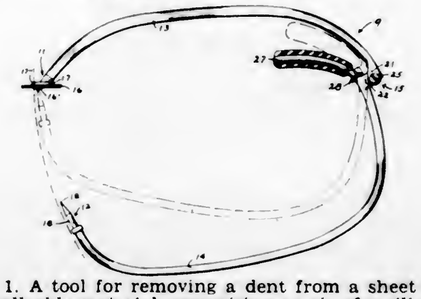
1. In a portable seat cushion, a unitary base section, an axis of bending through the center of said section, and a pocket on either side of said axis, each of the pockets being constructed on half of the base section and having side and end walls and a cover, the lower edges of the outer end and side walls of each pocket being secured to the marginal edge of the base section and the lower edge of the inner side wall of one pocket being secured to the lower edge of the inner side wall of the adjacent pocket, said joined edges resting upon the unitary base section at the axis of bending but not being in any way attached thereto.

2,600,722
MEASURING FISH WIRE REEL
Earl B. Atkinson, Bay Village, Ohio
Application September 22, 1949, Serial No. 117,158
4 Claims. (Cl. 175—376)



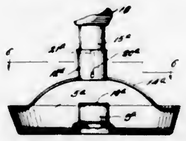
1. A reel for spring steel fishing wire comprising a single rigid rod formed into a circular portion and a straight chord section of a length of approximately one-quarter of the annulus, a plurality of rigid loops fixed to the rod annulus at evenly spaced points, one of the loops being at the end of the chord and another diametrically opposite the same, and still another equally spaced between the last-mentioned loops, an arcuate tubular handle section concentric with the rod annulus and having one end adjacent the other end of the chord portion of the frame, said loops and handle being preferably of the same transverse diameter and all being adapted to receive the turns of the fishing wire reel, the handle portion having a rigid bridge at its outer face spaced inwardly from the inside surface and through which the wire is threaded, and a clamping means adapted to engage the wire and press it inwardly toward said bridge.

2,600,723
PIVOTED HAND TOOL FOR REMOVING DENTS IN SHEET METAL
Laurel M. Back, Oakland, Calif.
Application June 3, 1947, Serial No. 752,056
2 Claims. (Cl. 81—15)



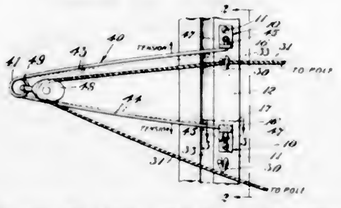
1. A tool for removing a dent from a sheet of malleable material, comprising a pair of resilient arms hingedly connected at their rear ends and arranged to receive a dented sheet portion between them, a spring means resiliently urging a mutual separation of the arms, an anvil plate rigidly fixed upon the forward end of one arm and providing a working face disposed opposite the sheet at its indented side adjacent its dented area and provided with a notch extending inwardly from its forward end, a hammer mounted upon the forward end of the other arm as a longitudinal extension thereof and having a radial flange at the base of its head projecting inwardly beyond the extension of the other arm and arranged for swinging with the arm to operate its working head against the outset sheet portion at the dent while said plate is disposed opposite the dent, the hammer-carrying arm being engageable in the notch of the anvil with the flange of the hammer engaged with the opposite side of the anvil plate from its working face for a retention of the hammer and plate in engaged relation under the action of the spring means.

2,600,724
CIGARETTE EXTINGUISHER AND ASH TRAY
Michael Badner, Taylor, Pa.
Application July 22, 1949, Serial No. 106,107
1 Claim. (Cl. 131—237)



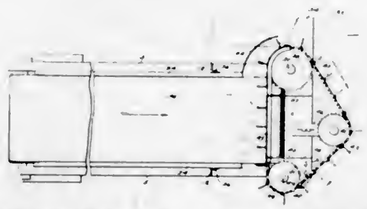
A device of the character described comprising an ash tray having a centrally disposed integrally formed upwardly extending cylindrical riser provided with a closed top forming an anvil, an arcuate bridge diametrically affixed to the upper edge of said tray and having its central portion vertically spaced from said anvil, a hollow cylindrical guide centrally mounted in said bridge, a hollow plunger vertically slidable in said guide and having a pair of diametrically opposed vertical slots in the lower portion thereof, a transverse pin affixed in the lower portion of said guide and extending through said slots, a handle at the upper end of said plunger, and a compression spring in said plunger interposed between the top side of said pin and the underside of said handle.

2,600,725
CLOTHES DRIER DEVICE
Otto Bahls, Brooklyn, N. Y.
Application January 6, 1949, Serial No. 69,453
1 Claim. (Cl. 211—119.07)



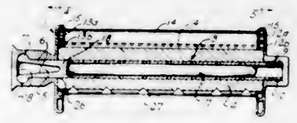
In a clothes drier device for application to window frames having a pair of vertically aligned brackets spaced apart along a vertical wall of said window frame with each bracket having an opening, and at least one of said brackets having a channel the longitudinal axis of which is aligned from the front to the rear of said window frame, and having a clothes drying line with a pulley for the window end of said line, said pulley having a hook, and a pair of line guides on said wall each adjacent one of said brackets, a pulley supporting member including the combination of a helical spring portion forming an eye adapted to be engaged by said pulley hook, with two arms substantially of equal length extending integrally from said spring portion in divergent directions at either side of said eye, and vertically disposed end portions on said arms adapted to fit into said openings of said brackets, the normal spacing of said ends being larger than the distance between the parts of said brackets facing each other requiring said ends to be moved towards each other to permit the entrance of said ends into said openings of the brackets at the facing parts thereof by tensioning said spring portion, its expansion forcing the said ends into said bracket openings and pressing said arms against the facing parts of said brackets, and when said member is in its position within or without said window frame, one of said arms engages said channel of said bracket to hold the member in one of said positions, said arms when engaging said brackets forming a substantially isosceles triangle with said vertical wall, as a base, and said spring portion at its apex, said arms resisting substantially equally the line pull on said pulley along a median of said apex angle, when said member is in either position within or without the said window frame.

2,600,726
UNSCRAMBLER AND SPACER
Maurice H. Behrens, Audubon, N. J.
Application July 1, 1948, Serial No. 36,403
2 Claims. (Cl. 198—30)



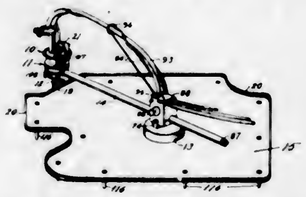
2. An apparatus for unscrambling and spacing containers for packing, comprising a frame, spaced vertically adjustable guide bars extending longitudinally of the frame along the side edges of the frame, a main conveyor belt operating in a horizontal plane, mounted on the frame between said guide bars at the sides of the frame and onto which containers to be packed are delivered, a separating chain disposed directly over said conveyor belt at the discharge end thereof, and operating at right angles to the main conveyor belt, said operating chain extending beyond one side edge of the main conveyor belt, spaced members on the chain between which containers positioned on the main conveyor belt are fed, curved fingers mounted adjacent to the discharge end of the main conveyor belt, and secured to the spaced guide bars, said fingers cooperating with the operating chain in directing containers laterally of the main conveyor, and an endless conveyor operating in parallel relation with the main conveyor at the discharge end of the main conveyor, onto which containers are directed by said curved fingers.

2,600,727
FOUNTAIN CURLING ROD
Jean S. Berman, Elsie L. Berman and Oscar A. Berman, New York, N. Y.
Application August 15, 1949, Serial No. 110,422
3 Claims. (Cl. 132—40)



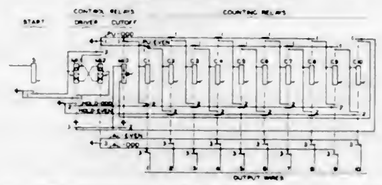
1. A hair curling device comprising a tubular perforate rod adapted to house a chemical, said rod having an externally threaded imperforate end, an annular collar threaded on said end concentric to the rod, the opposing end of said rod being compressible and having bearing members formed thereon, a second collar rotatably arranged on said bearing members and disposed in cooperative parallelism to said first collar, a handle secured to said second collar and provided with a socket for receiving said bearing members each of said collars having inwardly facing locking flanges, and compressible locking rods engageable at their opposing ends in the flanges to lock wrapped strands of hair on the rod after rotation of the rod about the bearing members in the second collar to wind the hair strands thereon.

2,600,728
SHAPE-CUTTING MACHINE OR THE LIKE
Arthur A. Bernard, Chicago, Ill.
Application October 14, 1947, Serial No. 779,711
25 Claims. (Cl. 33—27)



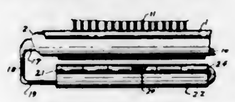
9. In a device of the class described, a base, a templet connected with the base and having a guiding rail thereon, a slide bracket mounted on the base for limited universal movement, a guiding arm sliding in the bracket, a turntable connected with one end portion of arm, a tracing head mounting the turntable, and a pair of traction rollers for the head cooperating with the guiding rail on the templet.

2,600,729
ENDLESS CHAIN OF COUNTING RELAYS
Richard P. Boyer, Jr., La Grange, and John I. Bellamy, Wheaton, Ill., assignors, by mesne assignments, to Kellogg Switchboard and Supply Company, a corporation of Delaware
Application December 22, 1949, Serial No. 134,448
8 Claims. (Cl. 177—353)



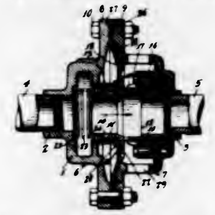
7. In combination, a series of counting relays comprising alternate odd relays and alternate succeeding even relays, odd and even operate wires associated respectively with the odd and even relays, respectively corresponding odd and even hold wires, associated respectively with the odd and even relays, first and second control devices operable in succession and thereafter restorable in the same succession, one said control device energizing one operate wire when restored and energizing the other operate wire when operated, the other control device when restored energizing the hold wire corresponding to the operate wire energized by the said one control device when operated, said other control device when operated energizing the other hold wire, means connecting the first said odd relay to the odd operate wire when a counting operation is about to begin and for disconnecting it from such wire after it has been operated thereover incidental to such counting operation, first contacts on each counting relay preceding the last one of the series, for connecting the next succeeding counting relay to its corresponding operate wire, and second contacts on each said counting relay for connecting such relay to its corresponding hold wire.

2,600,730
HAIR CURLING DEVICE
Richard V. Brothers, Fontana, Calif.
Application December 5, 1949, Serial No. 131,127
8 Claims. (Cl. 132—33)



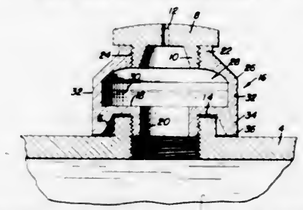
1. In a device for curling hair which comprises a rotary tube having an elongated open section at one end portion and an elongated axially arranged slot extending along its wall from near one end thereof to another end thereof, a comb-like element having teeth with openings between and which element is attached to the tube and the openings of the comb being registered with the slot, a hinged casing enveloping the tube about its open section and also enveloping the comb-like element, the casing having an offset attachment element which is supported by a means extending from a portion of the tube, and a spirally formed mandrel latched to the attachment element and within the confines of the open section of the tube.

2,600,731
VACUUM BREAKER
Frank Carlton, Los Angeles, and Leonard L. Snyder, Montebello, Calif.
Application April 25, 1944, Serial No. 532,576
10 Claims. (Cl. 137—69)



1. In a vacuum breaker, the combination of a case having an inlet branch for the admission of fluid under pressure, the case having a vent outlet, a sleeve valve member mounted axially of the case, a seat for the valve member, the valve member being adapted when seated to normally confine flow through the case, a flexible diaphragm to which the sleeve valve member is axially secured, the flexible diaphragm being secured to the case at its outer edge to provide one surface open to the pressure of the fluid within the case and its opposite surface exposed to the pressure of the atmosphere within the case as exerted through said vent outlet, means for supporting the flexible diaphragm within the case when the diaphragm is flexed to seat the sleeve valve member, said means including a porous fabric-like backing element interposed between the diaphragm and the case and permitting atmospheric pressure to be exerted over the area of the diaphragm between the sleeve and the case.

2,600,732
INDICATOR-TYPE ADAPTER FOR BATTERY CELL CAPS
Robert C. Castlen, West Palm Beach, Fla.
Application April 5, 1950, Serial No. 154,156
2 Claims. (Cl. 136—177)



1. A storage battery embodying a casing having a conventional-type upstanding internally screw-threaded filler neck, a conventional type screw-cap having a nipple portion adapted to be screwed into said neck, and an adapter for said screw-cap, said adapter having a transparent receptacle portion constituting a liquid level indicating well, being provided at the center of its bottom with a depending screw-

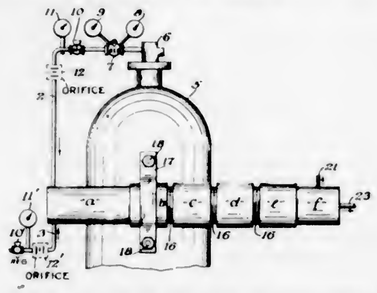
threaded nipple corresponding in diameter to the nipple on said screw-cap, said depending nipple being screwed into said filler neck and serving to attach said adapter removably to said battery casing, the upper portion of said adapter having a second internally screw-threaded filler neck in axial alignment with said first-named filler neck and of an internal diameter corresponding to the internal diameter of the first-named filler neck, the nipple on said screw-cap being removably screwed into said second-named filler neck, the bottom portion of said adapter being provided with an annular depending flange, said flange constituting a skirt, the lower edge portion of said skirt resting directly on the battery casing and said skirt concentrically surrounding said first-named filler neck and having its inner peripheral edge spaced from the outer peripheral edge of said first-named filler neck and providing a space, said space being adapted, whenever necessary or desired, to receive an adhesive sealant compound, whereby to positively secure said adapter to said neck and battery casing.

2,600,733

GAS MIXING APPARATUS

Therlis L. Clift, Erlanger, Ky., assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

Application December 6, 1950, Serial No. 199,509
7 Claims. (Cl. 259—4)



1. In gas mixing apparatus, a compressed gas container, an outlet pipe therefrom having a reducing valve, a pressure regulator, pressure gauge and flow-orifice, a cylindrical multi-section mixing chamber into which said pipe enters radially near one end, means for holding said mixing chamber to said container, another pipe for a compressed gas with a pressure regulator, pressure gauge and flow-orifice and entering said mixing chamber diametrally spaced to the aforesaid pipe for the jetting of the gas streams head-on against each other, an expansion mixing space surrounding the ends of said entering pipes and extending to perforated baffles in sections screw-threadedly connected on serially, a discharge section, a discharge pipe having an elbow bend in the axial center of said section and an exit radially directed through the side wall, and another discharge pipe extending axially of said section.

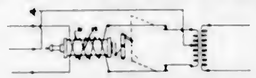
2,600,734

TOTALIZED CURRENT RELEASE DEVICE FOR CIRCUIT BREAKERS

Wallace A. Coburn, Brandon, Manitoba, Canada

Application August 30, 1946, Serial No. 694,121
8 Claims. (Cl. 175—294)

2. In combination with the secondary windings of a three winding transformer having secondary load circuits connected thereto, a switch comprising pairs of relatively movable contacts, one pair in each of at least two of said circuits, a movable member operatively connected to at least one of each pair of said contacts for opening both pairs



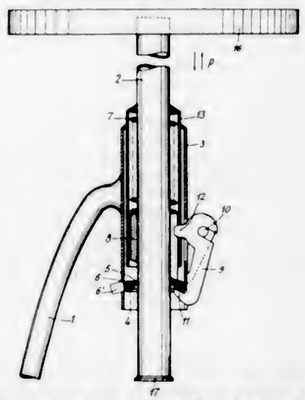
of contacts, and means controlled by the combined current in both said circuits to move said member to open said pairs of contacts when the total current in said circuits exceeds a predetermined value.

2,600,735

LONGITUDINALLY ADJUSTABLE LEGS, FOR EXAMPLE FOR SEATS, STOOLS, OR THE LIKE

Carl Corneliussen and Erling Corneliussen, Sandefjord, Norway

Application October 17, 1949, Serial No. 121,804
In Norway April 29, 1948
4 Claims. (Cl. 287—58)



1. A longitudinally adjustable leg for a seat or stool and the like, comprising a sleeve, a standard slidably mounted within said sleeve, a lock within the sleeve, said lock consisting of a disc closely fitting around said standard and being supported at one side only in said sleeve whereby said disc has a free position with its plane substantially at right angles to the axis of the standard, spring means around said standard contacting said disc to move said disc into an oblique locking position, a projection on said standard at its lower end to engage said disc and to move said disc from its oblique locking position to its free position, a lever pivotally mounted on said sleeve, and a locking latch on an end of said lever adapted to be moved into position below the disc and maintain the latter in its free position.

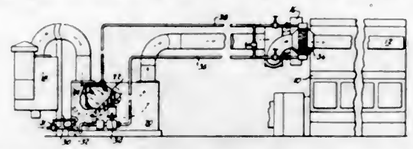
2,600,736

METHOD AND APPARATUS FOR COOLING THE AIR SUPPLIED TO INTERNAL-COMBUSTION ENGINES

William R. Crooks, Grove City, Pa., assignor to The Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio

Application June 15, 1951, Serial No. 231,864
3 Claims. (Cl. 123—119)

1. A method of conditioning the air supplied to an internal combustion engine having an associated charging blower which comprises evaporating water into the engine air supply to reduce its temperature, then passing the air successively through the charging blower and a heat exchanger to the engine manifold, and circulating



water through the heat exchanger and returning it as spray to the air stream prior to its entry into the blower, the rate of evaporation being in excess of that required to reduce the temperature of the air alone.

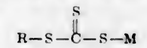
2,600,737

METHOD OF MAKING TERTIARY ALKYL TRITHIOCARBONATES

Willie W. Crouch, Ted F. Crosnoe, and Robert T. Werkman, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application November 3, 1947, Serial No. 783,830
10 Claims. (Cl. 260—455)

1. The method of making a tertiary alkyl trithiocarbonate having the formula



where R is a tertiary alkyl group having not more than 10 carbon atoms and M is an alkali metal, which comprises forming a solution of a tertiary alkyl mercaptan having not more than 10 carbon atoms per molecule and carbon disulfide in low boiling dialkyl ether, adding thereto slowly and with vigorous agitation a concentrated aqueous solution of an alkali metal hydroxide, maintaining the resulting reaction mixture at a temperature of from 25–65° C. until substantial completion of the reaction with formation of a precipitate of said tertiary alkyl trithiocarbonate, and recovering said tertiary alkyl trithiocarbonate from the resulting reaction mixture.

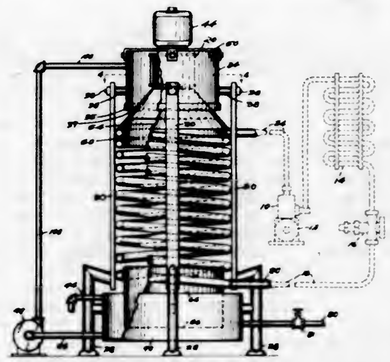
2,600,738

EVAPORATIVE CONDENSER

Arthur E. Dempsey, Jr., Council Bluffs, Iowa

Application December 7, 1948, Serial No. 63,939
3 Claims. (Cl. 257—37)

3. In a condenser, the combination which comprises a vertically disposed pipe coil having an outlet connection at the upper end and an inlet connection at the lower end, the spaces between the convolutions of said coil increasing in width progressively toward the lower end of the coil, a frusto-conical shape baffle positioned upon the upper end of the said coil with the diameter of the lower end of the baffle being less than the outside diameter of the coil, said baffle having a depending skirt extended downwardly and positioned against the inner surface of the coil, a horizontally disposed water collecting tank below the coil and positioned to receive water dripping from the coil, a cylindrical guide baffle positioned inwardly and in spaced relation to said tank and extended upwardly into the lower end of the coil and extended downwardly into the tank and to a point below the level of water in the tank, spaced vertically disposed supporting bars positioned against the outer surface of the coil and having outwardly offset lower ends extended over the peripheral wall of the tank, means supporting the said tank by the said offset lower ends of the support bars, a cylindrical hood having a perforated inwardly extended rim on the lower end positioned above the said frusto-conical shape baffle on the upper end of the coil, means supporting the said hood from the said support bars, with the hood positioned to feed water supplied



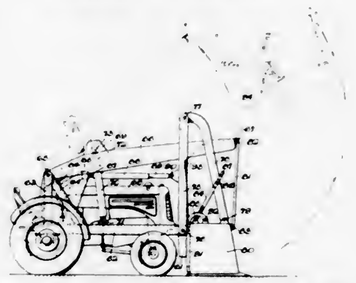
thereto to the outer surface of the said frusto-conical shaped baffle, a horizontally disposed fan mounted on the upper end of the frusto-conical shaped baffle and positioned in the said cylindrical hood for exhausting air from the interior of the coil, means recirculating water from the tank to the hood, and means regulating the water level in the tank.

2,600,739

LOADER OF THE DIPPER TYPE

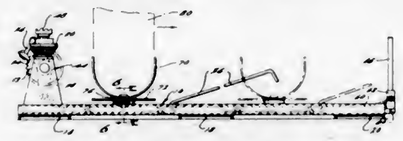
George R. Dempster, Knoxville, Tenn.

Application May 13, 1947, Serial No. 747,689
4 Claims. (Cl. 214—131)



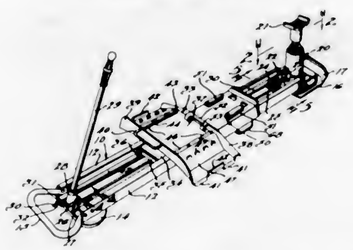
1. In loading equipment of the character described, the combination of a frame, a boom having a pivotal mounting adjacent an end of said frame, fluid pressure operated mechanism for raising and lowering said boom, an upwardly extending member mounted on a fixed pivot adjacent the other end portion of said frame said pivot holding said member against lengthwise movement, power means for pivoting said upwardly extending member about said pivot, a dipper stick pivoted to the upper end portion of said member, a dipper connected to said dipper stick and rigid link means pivotally connecting said boom and said dipper for relative bodily movement of said dipper stick with respect to said boom.

2,600,740
WHEEL CHANGING DEVICE
John V. Drum, Ypsilanti, Mich., assignor to The Drum Corporation, a corporation of Michigan
Application September 4, 1947, Serial No. 772,073
3 Claims. (Cl. 214—1)



1. In a wheel handling device, an elongated base having a pair of oppositely disposed trackways, a carriage between said trackways, means supporting said carriage and disposed on said trackways to allow movement of the carriage along said base, a pivot mounting on said carriage, and a substantially U-shaped wheel support mounted on said pivot mounting and being of a length sufficient to extend beyond said trackways when transversely positioned, said pivot mounting allowing 180° rotation of said wheel support about a vertical axis, the pivot being positioned centrally of said wheel support, whereby a wheel on said wheel support may be reversed with respect to its axle.

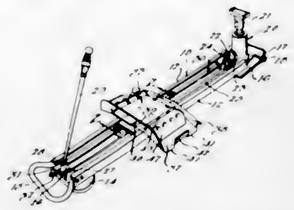
2,600,741
WHEEL-HANDLING DEVICE
John V. Drum, Grosse Pointe, Mich., assignor to The Drum Corporation, Detroit, Mich., a corporation of Michigan
Application May 17, 1949, Serial No. 93,810
9 Claims. (Cl. 214—1)



1. A wheel-handling device comprising an elongated base, a wheel support on said base and adapted to engage the bottom of a wheel, means mounting said support on said base for movement therealong, a lifting jack adjacent one end of said base, a jack base, means providing a swivel mounting between said jack and said jack base, means connecting said elongated base to said jack, and means on said elongated base remote from said jack and operatively connected thereto for operating said jack.

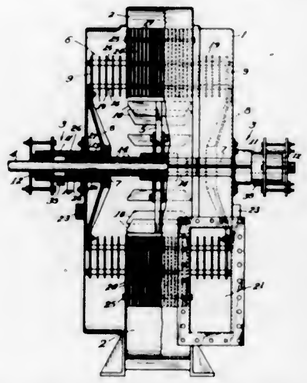
2,600,742
WHEEL-HANDLING DEVICE
John V. Drum, Grosse Pointe, Mich., assignor to The Drum Corporation, Detroit, Mich., a corporation of Michigan
Application May 17, 1949, Serial No. 93,811
9 Claims. (Cl. 214—1)

6. A wheel-handling device comprising an elongated base, a carriage on said base, means mounting said carriage on said base for movement therealong, and a wheel bottom support mounted on said carriage for movement therewith, said wheel support comprising a substantially U-shaped member extending transversely



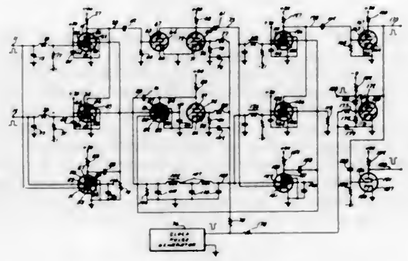
to said carriage having the ends thereof extending beyond the sides of said base and inclined downwardly so as to form a ramp for a wheel, each of said ends having an upwardly directed flange adapted to engage the wheel.

2,600,743
GAS-WASHING APPARATUS
Alfred J. Ebner, Pittsburgh, Pa.
Application June 10, 1950, Serial No. 167,297
8 Claims. (Cl. 261—90)



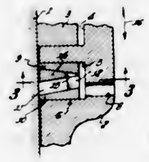
2. Gas-washing apparatus comprising a housing having opposite side walls and including an inlet and an outlet for the gas to be cleaned, inner and outer impellers mounted concentrically of each other in said housing, a horizontal shaft rotatably supporting the inner impeller, said outer impeller being supported by spiders including hubs mounted on said shaft on opposite sides of said inner impeller, said inner impeller having a hub portion on said shaft, bearings for said shaft on opposite sides of impeller assembly, each bearing comprising a bearing casing sealed to the side walls of said housing, said hubs of the outer impeller comprising bearing elements arranged in said bearing casings, a bearing element in each of said casings for said shaft, passages in each bearing assembly communicating with the surface areas of the shaft encompassed by said spacer rings on opposite sides of the inner impeller hub, and means for admitting liquid to said passages at a higher pressure than that of the gas prevailing in said housing, whereby liquid delivered inwardly through said passages is, by the action of said spacer rings rotating with the shaft, thrown centrifugally into said housing for movement into gas-scrubbing cooperation with said impellers.

2,600,744
SIGNAL RESPONSIVE APPARATUS
John Presper Eckert, Jr., Gladwyne, and John W. Mauchly, Ambler, Pa., assignors to Eckert-Mauchly Computer Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 21, 1950, Serial No. 191,401
11 Claims. (Cl. 250—27)



1. In an impulse responsive network, a first circuit comprising first and second input conductors adapted to receive stimuli and first and second output conductors, said first output conductor being energized upon the occurrence of stimuli on only one of said input conductors, said second output conductor being energized at a predetermined time after the concurrence of stimuli upon both of said input conductors, and a second circuit comprising first and second input conductors adapted to receive stimuli respectively connecting with the first and second output conductors of said first circuit and first and second output conductors, said first output conductor being energized upon the occurrence of stimuli on only one of said input conductors, said second output conductor energizing the second input conductor of said second circuit at a predetermined time after the concurrence of stimuli upon both of the input conductors of said second circuit.

2,600,745
PISTON RING
Fred Ernest, Los Angeles, Calif., assignor to Guy H. Hall, Los Angeles, Calif.
Original application November 24, 1945, Serial No. 630,629, now Patent No. 2,551,878, dated May 8, 1951. Divided and this application October 23, 1950, Serial No. 191,690
4 Claims. (Cl. 309—44)



1. In a piston ring structure: a ring having a body portion and a flange extending from the body portion forming a recess; said ring also having an end surface defining with one side of the ring groove of the piston a tapered annular space, the small portion of the tapered space being at the outer periphery of the ring groove; a supplemental ring in said recess and substantially less in width than the recess; and a tapered ring in contact with the groove and the end surface.

2,600,746
FLUID PRESSURE CONTROL VALVE
Walter Ernst, Dayton, Ohio, assignor, by mesne assignments, to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application August 30, 1948, Serial No. 46,881
1 Claim. (Cl. 251—76)

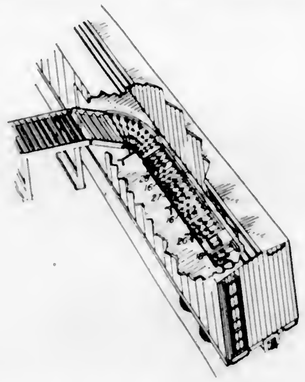


In a valve: a valve body having a bore therethrough, flow passages in said body communicating with said bore and including an exhaust passage opening into the bore adjacent its opposite ends, said exhaust passage including ports opening out the end of said body a predetermined radial distance outwardly from the axis of said bore, a valve plunger having a central passageway and spaced spools on said valve plunger having radial passageways communicating said bore with said central passageway, said valve being reciprocably mounted in said bore for controlling said passages, end plates mounted on the ends of said body and having pockets therein registering with said bore, each pocket being constructed to receive one of said spools of said plunger when it is reciprocated into its opposite end positions, said plates having substantially radial channels therein extending from said pockets to the outer periphery of said plates for draining said pockets and the passageways of certain of said spools and said plunger central passageway, and additional passageways extending from said radial channels in the plates through the faces of the plates that are toward said valve body, said passageways being located radially outwardly from the axes of said pockets the aforementioned radial distance, whereby said plates can be positioned on said valve body so said passageways are in registration with said ports or out of registration therewith, means for clamping said plates to said valve body in their several positions, and sealing means carried by said valve body for sealing around the ends of said passageways for each position of said plates.

2,600,747
GRAVITY CONVEYER FOR CARTONS WITH BOTTOM ADHESIVE APPLIERS
Morris C. Faust, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
Continuation of application Serial No. 738,580, April 1, 1947. This application August 13, 1951, Serial No. 241,584
3 Claims. (Cl. 118—221)

1. A gravity conveyor comprising a series of conveyor units, each of said units being detachably secured to the preceding unit, the terminating unit of said series having a removable gluing mechanism horizontally installed therein, each of

the preceding conveyor units having a horizontal removable roller section installed therein, each of



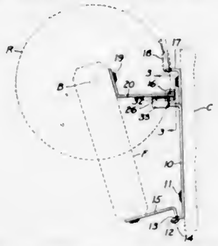
said removable roller sections adapted to be readily replaced by said gluing mechanism.

2,600,748

FLASH HOLDER BRACKET ATTACHMENT FOR CAMERAS WITH RESILIENTLY HELD LATCHES

Arthur B. Fox, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 8, 1950, Serial No. 154,838
8 Claims. (Cl. 240—52)



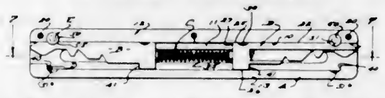
1. A bracket for attaching a flash holder to the side wall of a camera comprising in combination a base plate permanently attached to the wall of the camera, the lower end of said base plate extending away from the camera wall and provided with a transverse slot; a pair of lugs on the upper end of said base plate spaced away from said plate proper and spaced from each other transversely of said base plate; a lower bracket fixed at one end to the lower end of the flash holder, the other end thereof provided with a prong adapted to extend through and pivotally engage said slot in the lower end of the base plate; an upper bracket fixed at one end to the upper end of said flash holder, and extending from the same side of the flash holder as said lower bracket; a pair of latch members mounted on the free end of said upper bracket to move to and from a normal position, wherein they are adapted to positively engage said pair of lugs when the upper end of said flash holder is pivoted toward the camera wall about its lower end, means for selectively moving said latch members from their normal position to a release position and including a part which must be moved in two different directions in succession so as to prevent accidental detachment of the flash holder from the camera.

2,600,749

KEY HOLDER

Henry A. Gallagher, Los Angeles, Calif.

Application April 26, 1949, Serial No. 89,666
10 Claims. (Cl. 70—456)



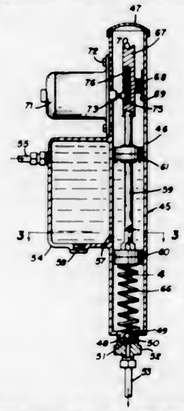
5. A key holder including an elongate body with a longitudinal keyway therein open at each end of the body, two keys arranged oppositely and slidably carried in the keyway, the keys having opposed heads slidably engaged in the keyway, a single spring in the keyway under compression between the heads of the keys and normally yieldingly urging each of the keys to a working position where it projects from the body, and lock means releasably holding the keys in retracted positions where they are wholly within the body.

2,600,750

AUTOMOBILE JACK

Ernest F. Gaudet, Hebronville, and Leo A. Gaudet, South Attleboro, Mass.

Application January 9, 1947, Serial No. 721,036
2 Claims. (Cl. 103—178)



1. In a hydraulic jacking system, a pump including a cylinder, a plunger rod in said cylinder with a piston thereon having a forward compression stroke and being spring tensioned for a return idle stroke, a liquid supply tank attached to one side of said cylinder with an inlet to said cylinder on one side of the piston, a valve in said piston for passing liquid therethrough from said side of the piston to the other side thereof for discharge out of said cylinder by the compression stroke of said piston, valved discharge means on said cylinder on said other side of said piston, and means to drive said rod forwardly including a motor attached to said cylinder, a driving gear in said cylinder driven by said motor, an eccentric in said cylinder coplanar with said rod and having a peripheral groove engaging one end of said rod, and an internal gear in said eccentric driven by said driving gear to revolve said eccentric.

2,600,751

ILLUMINATED COMBINED OPTICAL MIRROR SIGNAL DEVICE FOR VEHICLES AND THE LIKE

Antoine Gazda, Providence, R. I.

Application September 13, 1949, Serial No. 115,533
2 Claims. (Cl. 177—329)



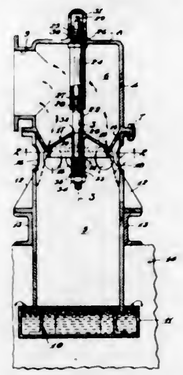
1. A combined rear view mirror and signal device for motor vehicles and the like comprising a casing, a direction indicator cut from said casing at the front thereof and at the rear thereof, translucent material covering said cut-outs, a transparent mirror fixed to said casing at the rear thereof and means for illuminating intermittenly said direction indicators so that said indicators are visible both from the front and the rear of the vehicle.

2,600,752

AERATOR

Edwin G. Gettins, Los Angeles, Calif.

Application November 22, 1948, Serial No. 61,395
1 Claim. (Cl. 261—116)



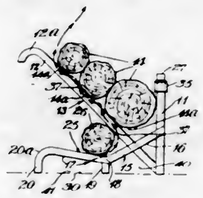
In an aerator for irrigation water, a hollow body member having upper and lower sections, said lower section having an elongated cylindrical inner surface a downwardly extending frusto-conical nozzle at the juncture of said sections having a convergent margin spaced inwardly from and opening to the cylindrical inside of the lower section, said lower section having side air intake openings leading to the interior thereof and extending contiguous the margin of said nozzle, means for directing water under pressure into the upper section above said nozzle, a circular deflector in the lower end of said nozzle projecting therebeneath provided with a tapered peripherial portion opposed to and spaced from the lower end of said nozzle to define an annular jet orifice, the taper of said peripherial portion being formed long and arranged to direct a thin annular jet of water downwardly and outwardly at a long angle from said nozzle beneath said air intake openings and against the cylindrical inner surface of said lower section, a downwardly extending guide sleeve in said upper section, a rod extending longitudinally through said sleeve from the exterior of said upper section having screw engagement therewith for longitudinal adjustment therein, a guide member on said circular deflector slidably engaging said rod, a shoulder on said rod abutting said reflector and spring means yieldably holding said deflector against said shoulder.

2,600,753

ANDIRON

Harold H. Gilbert, La Honda, Calif.

Application June 28, 1950, Serial No. 170,905
6 Claims. (Cl. 126—298)



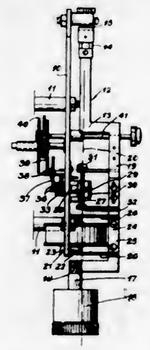
2. An andiron comprising a main upright frame member, a main log supporting member fixed to said upright member and extending upwardly and outwardly therefrom to provide a V-shaped cradle for supporting one end of a supply of logs in an elevated position relatively to the hearth of a fireplace, and for access of radiation from the undersurface of said logs outwardly to a room, and an auxiliary log supporting member disposed beneath said main log supporting member and extending outwardly from said upright member for supporting one end of an auxiliary log beneath said main logs to support combustion thereof.

2,600,754

ELECTRICALLY MAINTAINED PENDULUM MOTORS, PARTICULARLY FOR CLOCKS

Solomon Gold, Wimbledon, London, England

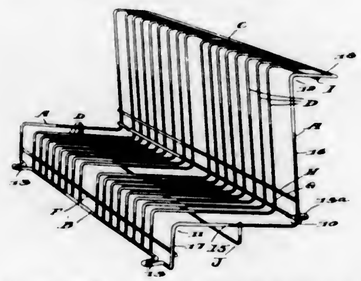
Application August 8, 1950, Serial No. 178,245
In Great Britain August 15, 1949 (cognate)
7 Claims. (Cl. 172—126)



1. An electrically maintained pendulum motor comprising a backplate, a pendulum, a ratchet and pawl mechanism for causing the oscillation of the pendulum to rotate the ratchet wheel, electromagnetic impulsing means for the pendulum, and a contact device controlling the current

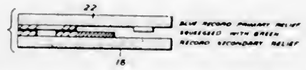
fed to the impulsing means, which contact device is operated by the ratchet wheel and produces a single impulse at predetermined intervals, each greater than the period of oscillation of the pendulum, and which impulsing means comprise an electro-magnet element on the backplate, having a straight core made of magnetic material disposed in a plane which is radial with respect to the pendulum swing, and a U-shaped armature on the pendulum, the extremities of the two limbs of which armature cooperate respectively with the inner and outer ends of the electromagnet core, and the pendulum comprising a pendulum rod which is cranked intermediate its ends, the axis of the electromagnet being disposed substantially in the plane of oscillation of the pendulum and the cranked portion of the pendulum rod being arranged to pass beside the electromagnet as the pendulum swings.

2,600,755
COVER RACK
Elmer L. Greensfelder, Provincetown, Mass.
Application April 29, 1948, Serial No. 23,935
7 Claims. (Cl. 211—41)



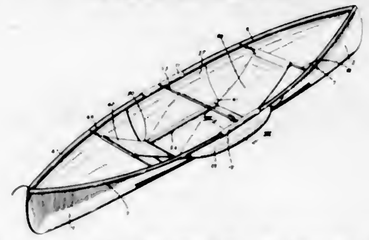
1. A rack of the class described having a base-grille section of spaced parallel grille wires and an upstanding back-grille section of spaced parallel grille wires coplanar with those of the base section, said rack having an offset section adjacent the front end of its base section and disposed at an angle thereto comprising two spaced cross bars and coplanar integral extensions of the grille wires of said base grille bridging freely across the near cross bar and joined to the remote cross bar so that lateral flexibility is imparted to the knees of said grille wires between said offset section and said base section and said near cross bar lying close to said grille wire extensions and preventing articles from descending deeply therebetween so that excessive stressing of the junctions of said extensions with said remote cross bar is avoided.

2,600,756
PHOTOGRAPHIC COLOR CORRECTION PROCESS
Donald C. Gresham, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 13, 1948, Serial No. 54,328
In Great Britain October 17, 1947
6 Claims. (Cl. 95—2)



1. The method of making a colour corrected three colour photographic print by means of three dyed colour separation reliefs whose dye images are superimposed to give the desired print at least one of which dye images has both wanted and unwanted spectral absorption, wherein correction for unwanted absorption of a colour by dye having wanted and unwanted absorption in one of the colour separation reliefs is obtained by removing dye from the dyed relief which records the colour which is unwantedly absorbed by bringing it into contact and in register with an undyed relief image of the areas of the said unwanted absorption, and then combining the corrected relief thus obtained, with the remainder of said three-color separation reliefs to produce a color picture.

2,600,757
FOLDING BOAT
Francis Brian Sylvester Grimston, Bideford, North Devon, England
Application October 21, 1946, Serial No. 704,664
In Great Britain July 25, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 25, 1965
12 Claims. (Cl. 9—2)

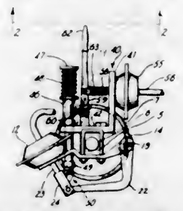


1. A composite structure for erection to a boat by flexure, comprising a pair of corresponding units hinged together about a transverse axis so as to be foldable one on the other, each of said units comprising a substantially rectangular skin portion of flexurally resilient sheet material, having one end inwardly notched, and having secured thereto frame constituting members comprising gunwale stringers, a keel member, end reinforcing strips connected to the notched end and hinged at their inner ends to the keel member, and frame interconnecting means comprising latching means connected to the outer ends of the reinforcing strips, strips of soft rubber attached to the engaging faces of the end reinforcing strips and adapted to form a watertight joint when the strips are latched together, and a panel slidable between opposite gunwale stringers over the joint between the skin portions of the unit when the units are unfolded, having a strip of soft rubber for engaging the joint, and adapted for engagement at its longitudinal sides with the gunwale stringers to force the rubber strip into intimate engagement with the joint on erection of the boat.

2,600,758
AUTOMATIC LOCK FOR TRAILER VACUUM BRAKES
Adolph J. Gross, Chicago, Ill.
Application November 17, 1948, Serial No. 60,583
1 Claim. (Cl. 188—265)

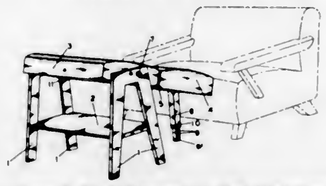
A unitary brake lock accessory comprising a frame, a vacuum operated auxiliary power chamber mounted on said frame, said power chamber having a connecting arm, a tubular member mounted on said frame and spaced from said chamber, a lock rod journalled in said tubular

member for longitudinal movement, a variable length transverse member having rotatable telescoping ends, a universal joint means connecting the midpoint of said transverse member to one end of said lock rod, a universal joint means, including a rotatable telescoping end, at each end of said transverse member, a lever member pivoted at one end to said frame and disposed between said power chamber and said tubular member, the connecting arm of said power chamber being pivotally attached to said lever member at a point spaced from the pivoted end of said lever member, a spring tending to



extend the connecting arm with respect to said chamber, and a cam spur on said lever member between the pivoted end of said lever member and the point of attachment of said connecting arm, said cam spur engaging said lock rod to prevent longitudinal movement thereof in brake releasing direction when said spring extends said connecting arm following release of vacuum in said power chamber, said cam spur being inclined with respect to said lock rod in a direction to tighten the engagement with said lock rod as the latter tends to move in brake releasing direction.

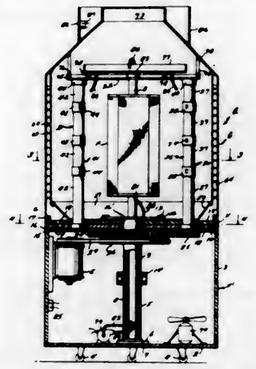
2,600,759
COMBINATION FOOT LOUNGE
William A. Gross, Portland, Oreg.
Application September 1, 1950, Serial No. 182,659
2 Claims. (Cl. 155—169)



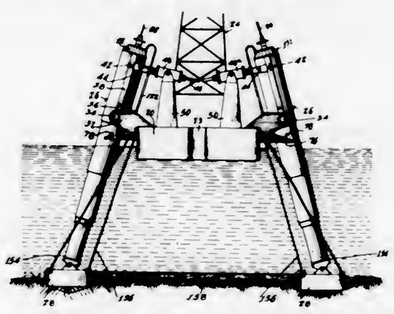
1. A posture foot-lounge or the like comprising in combination, a pair of spaced end member supports, a shelf-like distance piece therebetween attached to both end members in median height position, a pivotally mounted double surface two part top member swingable between the tops of said end members to bring either surface upwards, the said parts being hingedly connected at one lateral boundary and latchable together at the opposite boundary with one of the parts including a folded-in-leg adapted to selectively form a third support.

2,600,760
ROTISSERIE
Oliver J. Guffey, Edinburg, Ind., assignor to Ira B. Smitha, Edinburg, Ind.
Application December 30, 1948, Serial No. 68,112
7 Claims. (Cl. 99—421)

1. In a rotisserie comprising a vertical shaft, a source of heat mounted on said shaft, a supporting means rotatable about said shaft, a plurality of food carrying spits arranged in end to end relation in a longitudinal plane, means for rotating the spits about said shaft and source of heat, and additional means for simultaneously rotating said spits about their respective longitudinal axes, said additional means including a vertical sectional shaft for the adjacent driving ends of each pair of spits, a pair of substantially opposite laterally extending spit carrying elements having driving connections with the ends of adjacent shaft sections, and a spit having one end detachably engageable in each of said carrying elements, a sectional stationary vertical shaft positioned at the free meeting ends of each pair of spits, a sectional casing adapted to house said shaft and formed with slots adapted to receive and support said free ends.



2,600,761
OFFSHORE DRILLING MEANS
Erle P. Halliburton, Los Angeles, Calif.
Application December 6, 1948, Serial No. 63,831
14 Claims. (Cl. 61—46)



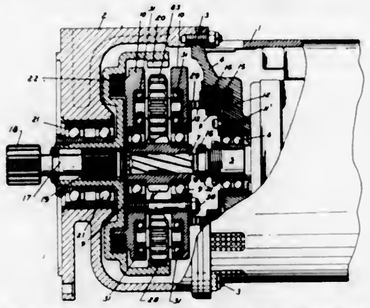
5. A barge for supporting well drilling structure over a body of water comprising: a barge body; pairs of facing extendable legs pivotally connected thereto, the legs of each pair having each a predetermined angular disposition with respect to said barge body, and being restrained each to vary its angular disposition in response to any variance in the angular disposition of the other; and an hydraulic system operable to pump fluid into said legs to extend said legs to provide supporting structure for said barge body of predetermined base width.

2,600,762

STARTER GENERATOR

Raymond J. Hartz, Cuyahoga Falls, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware

Application August 4, 1951, Serial No. 240,361
7 Claims. (Cl. 74—810)



1. In combination in an electric motor starter generator, a stationary housing, a motor shaft, an output shaft adapted for connection to an engine, or the like, an internally toothed gear splined to said output shaft, a pinion helically splined to said motor shaft for simultaneous rotation and linear movement in either direction on said motor shaft, a gear drive unit supported by said pinion and comprising a gear carrier for carrying a reduction gear train between said pinion and said internal gear, a clutch between said carrier and said internal gear, for holding said pinion and said carrier into locked engagement with said internal gear for adapting said gear drive unit to act as a direct non-reduction drive from the engine operated output shaft to said motor shaft for generating electrical energy in said motor, a second clutch having complementary parts carried by said carrier and said housing, said motor shaft, upon energization of said motor, being adapted to linearly move said pinion in the opposite direction to engage said second clutch and establish a reduction gear drive from said motor shaft through said gear drive unit to said output shaft for engine starting purposes.

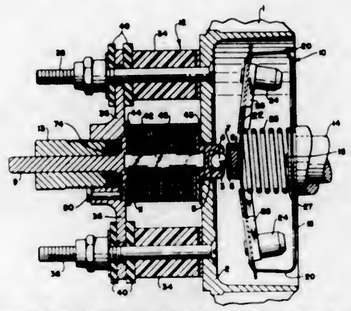
2,600,763

SPEED GOVERNOR

Raymond J. Hartz, Cuyahoga Falls, Ohio, assignor to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Delaware

Application August 28, 1951, Serial No. 243,977
4 Claims. (Cl. 201—48)

1. A centrifugal governor, a frame, said governor comprising a stationary unit, including a pressure responsive carbon disc pile resistor, end supports for said pile, an expansive stationary spring acting on said pile to compress the same, manual means external of said governor, and at one end of said carbon pile, for adjusting the expansive force of said stationary spring for initially adjusting the spacing of said discs, a ball retainer slidably mounted in said frame at the opposite end of said carbon pile, a ball member rotatably supported by ball bearings in said ball retainer to have a portion of said ball member protruding out of its retainer, said rotary unit comprising a flexible frame and a flat spring carried thereby, said flat spring carrying a flat surface rotatably mounted ball bearing race, said flat spring also carrying centrifugally responsive weights, a compression coil spring mounted to bow said flat spring and force said



race into flat surface pressure engagement with the ball member of said stationary unit.

2,600,764

HYDROGENATED PRODUCTS

Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application February 29, 1952, Serial No. 274,080
6 Claims. (Cl. 260—64)

1. A partially hydrogenated product selected from the group consisting of (*a*) partially hydrogenated reaction masses, said reaction masses, before hydrogenation having a viscosity of at least 50 centipoises at 25° C. and having a resinous content of at least 5% by weight and produced by reacting under alkaline conditions furfuraldehyde and a ketone having two hydrogen atoms on an alpha carbon and (*b*) partially hydrogenated residues, said residues before hydrogenation having a resinous content of at least 5% by weight and being the residues produced by heat distilling said masses until the quantity by weight of said residues measures not less than 60% of the weight of said masses, said partially hydrogenated product saturated with hydrogen to the extent of no less than approximately 15% and no more than approximately 65% the normally present carbon to carbon double bonds in said product before hydrogenation, said hydrogenated product characterized by being capable of being converted to the substantially solid and infusible state when a mixture thereof and an acidic agent in amount sufficient to impart a pH of 2.5 to said mixture is maintained at 300° F. for a period of 24 hours.

2,600,765

METHOD OF PREPARING A COMMINUTED MEAT PRODUCT

Walter E. Hauch, Forest Park, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application April 8, 1949, Serial No. 86,409
1 Claim. (Cl. 99—108)

A method of making a comminuted meat product having uniformly distributed particles of pickle relish therein which will not develop a short condition upon standing, comprising washing conventional chopped pickle relish in water to remove a portion of the vinegar therefrom, partially dehydrating the washed relish to between 25 and 50 per cent of its original weight, and thereafter mixing the partially dehydrated relish with comminuted meat to uniformly distribute the particles of relish therein.

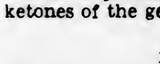
2,600,766

HYDROLYSIS OF ALPHA-HYDROCARBON-ALPHA,BETA-DIHALOCARBONYLIC COMPOUNDS

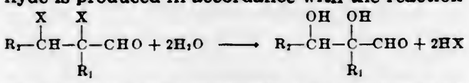
George W. Hearne and Carl G. Schwarzer, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 14, 1949, Serial No. 71,034
3 Claims. (Cl. 260—593)

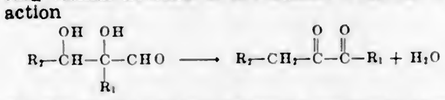
1. In a process for the production of vicinal ketones of the general formula



wherein a liquid reaction mixture containing an alpha - hydrocarbon-alpha,beta - dihydroxyaldehyde is produced in accordance with the reaction



said reaction being conducted in the presence of a quantity of a basic acting compound at least sufficient to react with the hydrogen halide (HX) formed during the reaction, the steps comprising acidifying the said alpha-hydrocarbon-alpha,beta-dihydroxyaldehyde-containing reaction mixture and maintaining the pH thereof below 5 while the acidified reaction mixture is heated at a temperature above 50° C. for at least ½ hour while simultaneously distilling off the water contained in the mixture, thereby forming said vicinal ketones in accordance with the reaction



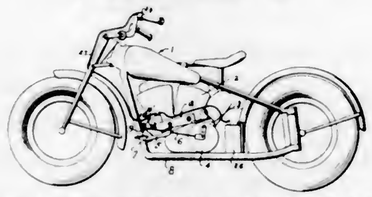
the X's in the general formulae employed above representing halogen atoms, the R_1's representing hydrocarbon radicals free of aliphatic unsaturation, and the R_2's representing members selected from the group consisting of the hydrogen atom and hydrocarbon radicals free of aliphatic unsaturation.

2,600,767

MECHANISM FOR SHIFTING GEARS

Robert Lee Herrell, Wichita Falls, Tex.

Application December 28, 1948, Serial No. 67,730
6 Claims. (Cl. 192—3.5)



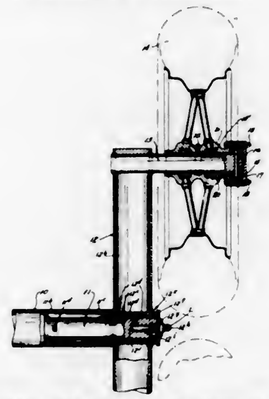
1. In a motor cycle having handle bars and a driving motor, the combination with change speed driving mechanism for driving the motor cycle, of foot pedal means, a control unit operatively connected with the change speed driving mechanism, a foot pedal, means for connecting the foot pedal operatively with the control unit to actuate said unit thereby, electrically operated means for shifting said connecting means to vary the action thereof on the control unit, an energizing circuit for said electrically operated means, and a hand switch in said circuit mounted on the handle bars.

2,600,768

ROCKER BEARING FOR RUNNING GEARS

Sherman C. Heth, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin

Continuation of application Serial No. 524,468, February 29, 1944. This application December 22, 1947, Serial No. 793,184
2 Claims. (Cl. 280—104.5)



1. A rocker bearing for a running gear including a transverse tubular member, said bearing comprising a journal member partly within said transverse tubular member and extending outwardly beyond the end thereof, annular collar members on said journal member, one spaced inwardly from the end of said transverse tubular member and another spaced inwardly from the first, a relatively great distance as compared with the spacing of said first annular collar member from the end of said transverse tubular member, means for maintaining said journal member and said annular members in place in said transverse tubular member, a rocker bearing sleeve pivotally supported on said journal member and extending into said transverse tubular member to the extent permitted by said first annular collar member to provide a sand collar for said bearing sleeve, and means for maintaining said bearing sleeve in place on said journal member.

2,600,769

PIN OPENING DEVICE

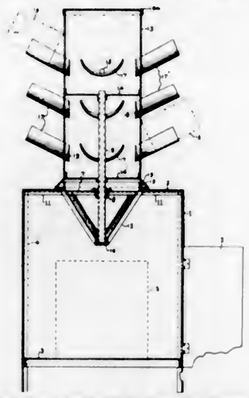
Leo G. Hobart, Inglewood, Calif.

Application May 31, 1949, Serial No. 96,339
1 Claim. (Cl. 132—1)



In a pin opening device comprising a plate with a recessed front portion having its surface corrugated and a clamping means fixed to the rear side thereof, and the said clamping means constituting a handle for the device, and the clamping means constituting a spring clip having a wide bottom portion upon which the device can be stood upright.

2,600,770
OIL CAN DRAIN STAND
Simon C. Hofacer, Oscoda, Mich.
Application September 30, 1947, Serial No. 776,949
5 Claims. (Cl. 222—112)



1. A stand for draining liquids from cans, comprising a hollow member having a vertically elongated annular wall, a plurality of horizontally spaced rows of vertically spaced can supports projecting rigidly outward from said hollow member at an upward inclination and each having a trough form, said wall being formed with a plurality of slits respectively receiving the respective can supports and conforming to the trough shape of such supports being apertured above and within each can support substantially at the axis of inclination of such support to allow a flow of liquid, draining from supported cans, into the hollow member, and means for supporting said hollow member at an elevation to admit a liquid salvaging vessel beneath such member.

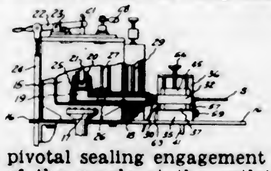
2,600,771
INSTRUMENT HOLDER
Victor E. Hofmann, Toledo, Ohio
Application November 13, 1947, Serial No. 785,599
8 Claims. (Cl. 224—4)



2. In a timepiece holder having a frame, the combination of at least three laterally divergent arms having generally arcuately shaped resilient terminal portions adapted to embrace the periphery of the timepiece, and a rearwardly extending finger loop associated with the frame for reception of a finger of the user, said loop being secured intermediate said terminal portions whereby the time piece is disposed in the palm of the user's hand.

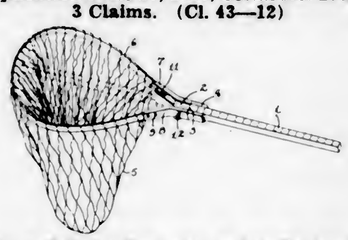
2,600,772
DIE OR MOLD AND COOLING ASSEMBLY THEREFOR
Harry L. Horn, Dallas, Tex., assignor to Universal Mono-Tabular Corporation, Dallas, Tex., a corporation of Delaware
Application April 14, 1948, Serial No. 20,855
7 Claims. (Cl. 22—57.2)

4. In a strip casting machine having a melting pot with an outlet therefrom, an outlet nozzle mounted at the outlet end of the outlet conduit from the melting pot, said nozzle having a convex end substantially hemispherical in shape, a die having a strip forming channel therethrough with an inlet opening and an outlet opening, an adjustable clamp for releasably maintaining said die in a position with the inlet opening of the



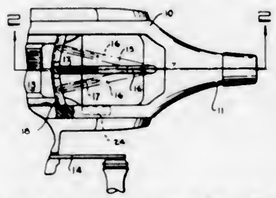
die body in pivotal sealing engagement with the convex tip of the nozzle at the outlet conduit from the melting pot, and adjustable members on the machine engageable with the sides of the die for moving said die body pivotally about the convex nozzle tip in the plane of the major cross-sectional dimension of the strip formed thereby.

2,600,773
FISH LANDING NET
Fred C. Hungerford, Horseheads, N. Y.
Application June 27, 1950, Serial No. 170,652
3 Claims. (Cl. 43—12)



1. In a fish landing net, a handle having an attaching portion of substantially uniform rectangular cross-section, a bail in the form of an open loop, the ends of which are rectangular in cross-section and the long dimension of which is the same as the short dimension of the attaching portion of the handle, a net attached to the bail, a pair of connecting members in the form of channel beams of uniform cross-section fitting closely around the ends of the bail, rigidly fixed thereto and slidably embracing the attaching portion of the handle, and means for detachably clamping the two channel members on the handle.

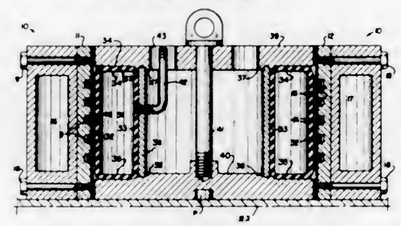
2,600,774
ENCLOSED LEVEL-WIND FOR FISHING REELS
Edwin P. Hurd and Herbert F. Dies, Detroit, Mich., assignors to Hurd Lock and Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 1, 1946, Serial No. 673,760
1 Claim. (Cl. 242—84.4)



A level wind mechanism adapted to feed a line to a rotary spool and comprising a pivotally

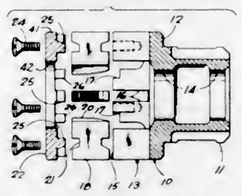
mounted swinging arm, a line guide on the swinging end of said arm, an enclosed drive mechanism geared to the rotating spool and connected with said swinging arm to effect a to and fro swinging movement of said arm in synchronism with the rotation of said spool, said drive mechanism comprising a reversely threaded lead screw mounted for rotation about an axis parallel to the axis of rotation of the rotating spool, a follower mounted on said lead screw and a link operatively connected with said follower and said pivotally mounted swinging arm for translating the reciprocal motion of said follower into pivotal swinging movement of said arm, said drive mechanism being mounted in a fully enclosed housing having a top friction reducing guide rail in contact with said follower and a bottom friction reducing guide rail in contact with said link.

2,600,775
METHOD AND APPARATUS FOR MAKING AND CURING POWER TRANSMISSION BELTS
James A. Hurry and Ernest Nassimbene, Denver, Colo., assignors to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application December 27, 1950, Serial No. 202,842
8 Claims. (Cl. 18—34)



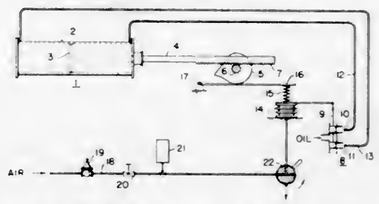
1. The method of loading a plurality of endless belts in a plurality of endless parallel spaced cavities having the open sides thereof facing inwardly, which includes the steps of positioning the belts on an expansible wall in the same spaced relation as the cavities, positioning the wall with the spaced belts thereon in alignment with the respective cavities in which they are to be cured, and expanding the wall to simultaneously force the belts into their respective cavities.

2,600,776
THREADING DIE
Carl H. Ingwer, Elyria, Ohio, assignor to The Ridge Tool Company, Elyria, Ohio
Application April 12, 1948, Serial No. 20,379
2 Claims. (Cl. 10—120)



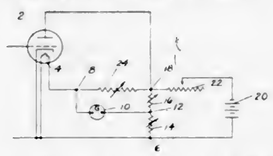
1. A threading die including a body having a central work-receiving opening therein, a plurality of posts on said body extending co-axially around the work receiving opening said posts having diametrically opposed chaser slots and being formed with shoulders on the outer surfaces in spaced parallel relation to said slots, chasers substantially filling said slots and each having a lateral notch in at least one edge thereof and thread cutting teeth along one end, each of said notches having one face substantially parallel to the axis of the body, means to hold said chasers rigidly in said slots and to hold the posts against spreading comprising a face plate having lug means, each of said lug means having a flat face; in positioning engagement with said one face in the notch of each of said chasers to positively determine the radial position of said chasers in said slots and having lug means in engagement with said shoulders thereby supporting said posts on both sides thereof, and means to hold said plate to said posts.

2,600,777
FOLLOW-UP PRESSURE FLUID SERVOMOTOR
Clarence Johnson, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application June 26, 1944, Serial No. 542,149. Divided and this application May 29, 1946, Serial No. 672,991
3 Claims. (Cl. 121—41)



1. Power apparatus comprising, in combination, a hydraulic servo-motor having a piston adapted to perform useful work, a valve for controlling the connection of the opposite ends of said piston to a liquid supply and to exhaust, pressure responsive means for moving said valve in a direction to connect one end of said piston to liquid supply and its other end to exhaust, means including an adjustable orifice for supplying pressure fluid from a source to said pressure responsive means, a volume chamber communicating with said pressure responsive means, a spring opposing operation of said pressure responsive means, and means including a cam driven by said piston for loading said spring.

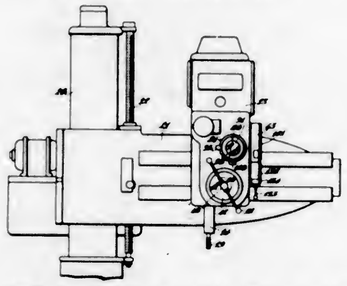
2,600,778
MEASURING INSTRUMENT
Fritz K. Klutke, Lubeck, Germany, assignor to Otto Heinrich Drager, Lubeck, Germany
Application May 17, 1950, Serial No. 162,531
In Germany September 9, 1949
5 Claims. (Cl. 171—95)



1. In a measuring instrument, a vacuum tube having a cathode and a separate heating element therefor, a bridge circuit for supplying heating current to said element, said element

being directly connected in one of the legs of said circuit, means to supply to said bridge circuit sufficient direct electric current to cause said heating element to heat said cathode to emitting temperature, and a device responsive to current variations connected in one of the other parts of the bridge circuit.

2,600,779
CONTROL MECHANISM FOR TAPPING MACHINES
Robert N. Knosp, Ludlow, Ky., and Carl E. Linden, Cincinnati, and Frank O. Wetzel, Norwood, Ohio, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application July 23, 1948, Serial No. 40,298
9 Claims. (Cl. 10—136)

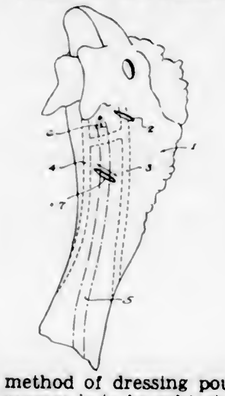


1. A drill head for a radial drill or the like comprising; a housing, a spindle rotatably and translatably mounted in said housing and adapted selectively for mounting a drill or a tap, a depth control dial, connecting means between said drill spindle and said depth control dial to cause rotation of the dial relative to the longitudinal translation of said spindle, means for changing the setting of said depth control dial relative to said spindle, a trip dog on said depth control dial, a reversible motor in driving connection with said spindle, control switches in connection with said motor and associated with said trip dog, and a manually operated two-position selector switch in electrical connection with said control switches operable in one position to render the said control switches effective to cause reversal of said motor at a predetermined limit of spindle translation during a tapping operation, said manually operated selector switch being operable in a second position to render the control switches effective to cause said motor to be deenergized at a predetermined limit of spindle travel during a drilling operation.

2,600,780
UREA ALDEHYDE RESIN AND PROCESS OF PRODUCING THE SAME
Franz Köhler, Aisbach Bergstrasse, Germany, assignor to Deutsche Gold-und Silber-Scheideanstalt vormals Roessler, Frankfort on the Main, Germany, a corporation of the German Republic
No Drawing. Application September 18, 1950, Serial No. 185,500. In Germany September 23, 1949

2. A water soluble highly stable urea-aldehyde condensation obtained by reacting at least one compound selected from the group consisting of urea and thiourea with acrolein under acid conditions and thereafter reacting the resulting condensation product with formaldehyde under alkaline conditions the proportions of the reactants being 0.25 to 0.75 mol of acrolein and 1.25 to 3.75 mols of formaldehyde per mol of the urea reactant composed of at least one compound selected from the group consisting of urea and thiourea.

2,600,781
POULTRY DRESSING METHOD
Carl H. Koonz, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application October 2, 1950, Serial No. 188,039
5 Claims. (Cl. 17—45)



1. In the method of dressing poultry wherein the poultry carcass is to be subjected to a liquid bath treatment, the steps of severing the trachea of the poultry at a point posterior to the larynx thereof, and thereafter subjecting said poultry to a liquid bath treatment.

2,600,782
COPOLYMERS OF DIMETHYLSTYRENES AND VINYL CYCLIC COMPOUNDS
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company
No Drawing. Application July 20, 1948, Serial No. 39,826
9 Claims. (Cl. 260—87.5)

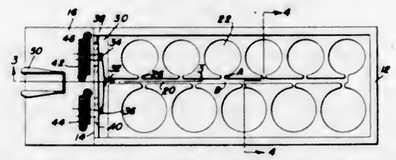
1. A soluble, thermoplastic, solid copolymer of (1) a material selected from the group consisting of 2,4-dimethyl styrene, 2,5-dimethyl styrene, and 3,4-dimethyl styrene and (2) a different material selected from the group consisting of styrene, 2,4-dimethyl styrene, 2,5-dimethyl styrene, 3,4-dimethyl styrene, α,p-dimethyl styrene, α-methyl styrene, and 2,5-dichlorostyrene, each of said materials being present in an amount equivalent to at least 10% of the total weight of said copolymer, the dimethyl styrenes of (1) having a melting point range of no more than 3° C. and an optical exaltation of at least 1, and said copolymer having an intrinsic viscosity of at least 0.1.

2,600,783
COPOLYMERS OF DIMETHYLSTYRENES AND VINYL ACYCLIC COMPOUNDS
Edward L. Kropa, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 20, 1948, Serial No. 39,827
9 Claims. (Cl. 260—85.5)

1. A soluble, thermoplastic, solid copolymer of at least two copolymerizable materials, one of

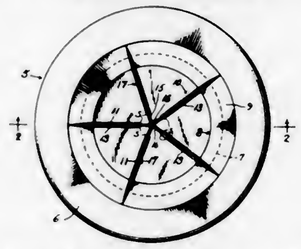
which is a dimethylstyrene selected from the group consisting of 2,4-dimethylstyrene, 2,5-dimethylstyrene, and 3,4-dimethylstyrene and another is an acyclic compound containing a single ethylenic double bond, each copolymerizable material being present in an amount equivalent to at least 10% of the total weight of all of said copolymerizable materials, said copolymer having an intrinsic viscosity of at least 0.1.

2,600,784
SPOOL HOLDER
Louis J. Lesenyie, Provo, Utah
Application June 25, 1951, Serial No. 233,355
5 Claims. (Cl. 242—137)



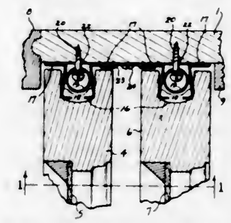
1. A thread holder comprising an elongated block having a central longitudinal trough, longitudinally spaced wells in said block adapted to retain spools of thread on both sides of said trough and a passage communicating each well with said trough, the threads being adapted to extend slidably through said passages and trough, said block having a transverse trough at one end thereof communicating with said longitudinal trough, and means for guiding the threads through said one end of said block, a cover slidably secured on said block and closing said wells.

2,600,785
COMBINED CIGARETTE EXTINGUISHER, ASH TRAY, AND PAPERWEIGHT
William Moury Lewis, Brownfield, Tex.
Application September 4, 1946, Serial No. 694,742
1 Claim. (Cl. 131—235)



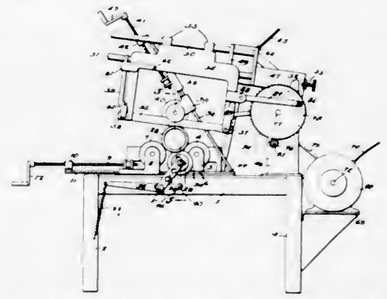
An article of manufacture in the form of a glass ash tray of greater diameter at its lower end than at its upper end and having an outer inwardly inclined peripheral wall surface, and an inner wall surface, the upper portion of the inner wall surface being flared outwardly and the lower portion of the inner wall surface being outwardly arcuately formed and merging at its upper edge into said upper portion, and radially extending arms of substantially elliptical configuration in cross section integrally formed with said upper portion and merging into each other at their inner ends at the center of said ash tray, the upper and lower edges of said arms being curved in opposite directions, the sides of said arms at points spaced from their inner ends being inwardly shouldered to form passages between adjacent arms as their inner ends and each of said passages increasing in cross-sectional area from a medial point therein towards its upper and lower ends.

2,600,786
DOUBLE-RUN WINDOW
Samuel P. Lockwood, Portland, Oreg.
Application March 26, 1949, Serial No. 83,575
2 Claims. (Cl. 20—52.4)



1. A window comprising a frame bounded by protruding inner and outer marginal strip members, window sashes suspended for vertical movement in said frame intermediate said marginal strip members, spaced flexible weather sealing units mounted slidably and flatwise against one face of said frame intermediate said marginal strip members for restricted lateral movement relative thereto, each said sealing unit having inwardly and outwardly facing flanges projecting laterally therefrom, said outwardly facing flanges terminating short of said strip member to accommodate lateral movement relative thereto, and a flat sealing strip removably secured to said one face of said frame intermediate said sealing units, said sealing strip having offset sides spaced from said one frame face and slidably overlying the inwardly facing flanges of said sealing units, said sealing units resiliently engaging the sashes to guide the latter vertically in said frame.

2,600,787
HACKSAW MACHINE
Gwylim S. Lodwick, Mystic, Iowa
Application May 10, 1948, Serial No. 26,027
3 Claims. (Cl. 29—73)



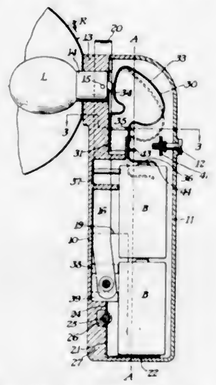
1. In a cylindrical work clamp for hack saw machines, a bench, a pair of spaced horizontal supporting rollers mounted on the bench, means for adjusting one of said rollers with respect to the other roller providing a support between which the work is held, a work engaging roller mounted above the supporting rollers adapted to rest on the work at the top thereof, manually adjustable means for directing pressure against the work engaging roller, feeding the work engag-

ing roller to the work, and ratchet means for simultaneously rotating said work supporting rollers and work resting thereon.

2,600,788
HALOGEN-SUBSTITUTED PYRAZOLONE COUPLERS FOR COLOR PHOTOGRAPHY
Anthony Loria, Arnold Weissberger, and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 7, 1949, Serial No. 97,701
10 Claims. (Cl. 95—6)

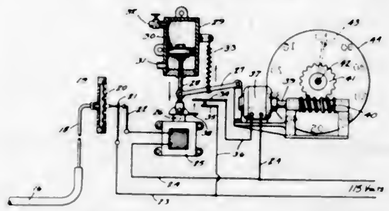
1. The method of producing a magenta-colored image in a silver halide emulsion layer which comprises exposing said layer and developing it with a primary aromatic amino developing agent in the presence of a 1-phenyl-3-acylamino-5-pyrazolone coupler compound having at least two halogen substituents on the 1-phenyl radical.

2,600,789
FLASHLIGHT DEVICE
Harold L. Malone, Rochester, N. Y., and George C. Underwood, Boston, Mass., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 23, 1950, Serial No. 151,496
5 Claims. (Cl. 67—31)



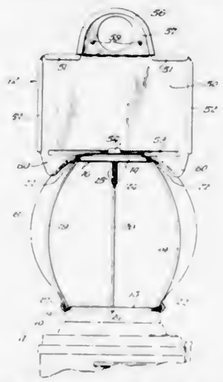
2. A flash holder according to claim 1 characterized by the fact that said contact spring comprises a metal strip having one end extending axially of said casing and fixed to the wall thereof adjacent and below said aperture, the other end of said strip having the shape of an L the bottom arm of which extends transversely of the casing and is adapted to engage the top terminal of the battery, and the intermediate portion of said strip bowed in the general shape of an ellipse one end of which lies behind said aperture in a position to be engaged by the base contact of a lamp when inserted into said aperture, and means for restricting the vertical leg of the L-shaped end of said contact spring to movement substantially axially of the casing when battery is inserted therein, whereby the tension in the bowed portion of the strip is increased and the pressure exerted by that portion adapted to engage the base contact of a lamp is increased to provide a good electrical contact and a sufficient force to eject the lamp from the aperture when released.

2,600,790
VARIABLE NUMBER INDICATOR
Dominic Mariani, Joseph A. Patasce, and George Roebuck, Youngstown, Ohio
Application July 6, 1950, Serial No. 172,216
1 Claim. (Cl. 273—141)



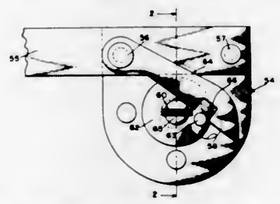
A variable number indicator comprising a dial having indicia circumferentially spaced thereon, an indicia indicator rotatably positioned on said dial and a motor for driving said indicia indicator, a power source for said motor and variable switch means including movable contacts for electrically connecting said power source with said motor, said variable switch means also including a diaphragm switch and a pneumatic actuator for closing said diaphragm switch, a solenoid responsive in operation to said diaphragm switch and an air piston and cylinder assembly connected with and responsive in operation to said solenoid, means biasing the piston of the said air piston and cylinder assembly away from said solenoid, said movable contacts positioned adjacent said solenoid and normally held in open position by said solenoid as biased by said biasing means, and movable to closed position when said solenoid is operated by actuation of said diaphragm switch.

2,600,791
COMBINED DISPLAY SIGN AND SUPPORTING BASE
Ford S. Mason, Lockport, N. Y.
Application March 28, 1950, Serial No. 152,324
7 Claims. (Cl. 40—125)



1. In a combined display sign and supporting base for a container having its upper end enclosed and open at its lower end to receive and discharge articles, that improvement which includes a supporting member secured to the upper end of said container, a display member pivotally mounted on said supporting member, means for supporting said display member in an upwardly extending display position, and stops for limiting the swinging of said display member into a position substantially perpendicular to the vertical axis of said container, in which position said display member constitutes a base for supporting said container in inverted position.

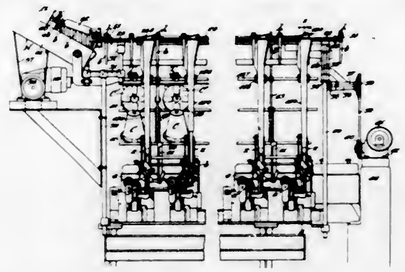
2,600,792
CAN OPENER
Robert E. McLean, Columbus, Ga., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application May 9, 1947, Serial No. 746,910
4 Claims. (Cl. 30—8.5)



1. A can opener of the rotary drive wheel type, comprising a body having an arcuate slot, the slot having a low end and a high end, a cutter carried by the body above the high end of the slot, a journal mounted in the slot for rotation and for movement from one end of the slot to the other, a shaft extending through and secured to the journal to turn therewith, a can rim engaging driving wheel mounted upon the end of the shaft adjacent to the cutter, means upon the other end of the shaft for turning the same, a relatively long element supported upon the body above and to extend across the shaft, said element having a constant tendency to move down toward the shaft, a detent carried by the shaft below said element, and means forming a part of said element for receiving the detent upon clockwise or counterclockwise rotation of the shaft, the engagement of the detent in the receiving means therefor upon clockwise rotation of the shaft when the journal is in the low end of the slot, effecting the shifting of the journal to the high end of the slot and the freeing of the detent from the receiving means, and the said tendency of the element to move in the manner stated maintaining said element in a position for ready reengagement of the detent in the receiving means upon counterclockwise rotation of the shaft, during the operating period in which the journal is in the high end of the slot.

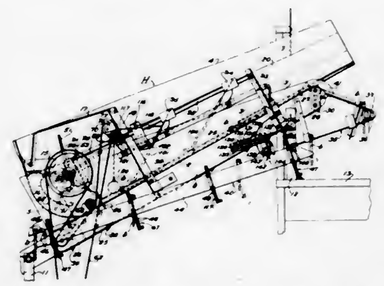
2,600,793
CORE-SUPPLYING MEANS FOR WINDING MACHINES
John A. Molloy, Warwick, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application June 17, 1946, Serial No. 677,186
32 Claims. (Cl. 242—35.5)

1. In a winding machine comprising a plurality of individual winding units, a bobbin-supplying mechanism including a conveyor for delivering empty bobbins to the several winding units for winding yarn thereon, means for effecting relative movement between the conveyor and the winding units, a magazine at each winding unit for holding a plurality of empty reserve bobbins, detector means permanently located at each winding unit and extending from the conveyor into the respective magazine for engagement with the bobbins therein, said detector means being releasable from the bobbins upon depletion of the supply of reserve bobbins, and means operative by said detector means upon the release thereof for delivering bobbins from the conveyor to the magazines.



11. In a machine for winding yarn on bare cores, the combination of a magazine for holding a reserve supply of cores, a traveling conveyor for carrying cores to the magazine, said conveyor embodying means for gripping the cores to convey them thereby, a pendant lever having one end normally positioned in the magazine for engagement by the cores and its opposite end adjacent the conveyor, and means carried by said lever for discharging cores from the conveyor to deliver them to the magazine when said lever is released by depletion of the supply of cores in the magazine.

2,600,794
CORE-SUPPLYING MEANS FOR WINDING MACHINES
John A. Molloy, Warwick, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application December 27, 1946, Serial No. 718,640
11 Claims. (Cl. 198—33)



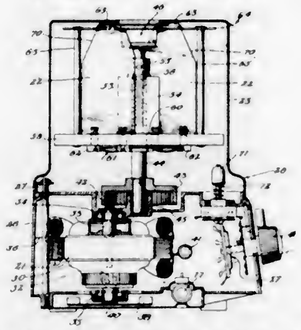
1. An apparatus of the type indicated comprising a hopper for containing winding cores, bobbins or similar objects, a vertical partition rising from the bottom of the hopper and dividing the interior of the hopper into two compartments, the main compartment extending considerably more than half the width of the hopper and the other compartment being relatively narrow, a conveyor-belt extending adjacent the narrow compartment, a raceway at the end of the conveyor belt for receiving the objects therefrom, and means to oscillate the partition laterally to free the objects in the hopper to disperse them and direct them to the conveyor-belt.

2,600,795

MAGNETIC POWER UNIT REVERSING DRIVE

Willard L. Morrison, Jr., Akron, and James David Cole, Kent, Ohio, assignors to Magnetic Power, Inc., Wilmington, Del., a corporation of Delaware

Application September 28, 1949, Serial No. 118,305
10 Claims. (Cl. 172—284)



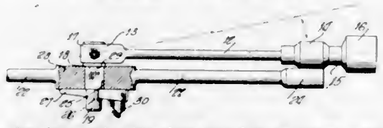
1. In a magnetic power unit, a permanent magnet, a shaft turnably supporting the permanent magnet, threaded interconnections between the shaft and the permanent magnet adapted to move the permanent magnet axially of the shaft as well as to turn the magnet when the shaft turns, means to turn the shaft in one direction, turn the permanent magnet in the same direction, and move the permanent magnet axially in the one direction and a reverse drive for the shaft to move the permanent magnet axially in the opposite direction.

2,600,796

IMPACT ATTACHMENT FOR WHEEL LUG WRENCHES

Paul H. Nash, White Deer, Tex.

Application May 31, 1949, Serial No. 96,202
4 Claims. (Cl. 81—52.3)



2. An impact attachment for a cross-arm lug wrench comprising a clamp adapted to be removably secured to one side of said wrench at the intersection of its arms and having a pin extending outwardly from its center, parallel extensions on said clamp adapted to straddle one of the arms of said wrench and having aligned longitudinal slots, a tapered key receivable in the slots of said extensions on the opposite side of said wrench to hold said clamp in fixed relationship with said wrench, an impact arm pivoted to said pin for oscillative displacement relative to a selected arm of said wrench and adapted to be brought into forcible engagement adjacent its outer end with the outer end of said selected wrench arm and means on the outer end of said impact arm for actuating the same.

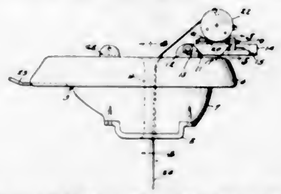
2,600,797

FISHING BUOY

Henry J. Neef, Pardeeville, Wis.

Application May 5, 1948, Serial No. 25,229
1 Claim. (Cl. 43—43.11)

A fishing buoy comprising a flat body including an upper section and an integral weighted lower section depending a substantial distance below the upper section, said body having a line opening extending vertically through the center thereof, a bracket secured to the upper surface of the flat body, said bracket being disposed adjacent to the line opening and including upstanding ears, a reel support embodying side bars pivotally mounted between said upstanding ears, a fishing



line reel mounted on the side bars, said reel support adapted to swing to a vertical position with the line of the reel in a direct vertical line with said line opening of the body, the line being extended vertically through the line opening, and means for securing the reel support in either a horizontal or vertical position on the body portion.

2,600,798

ESTERS OF THIOPHENE-MODIFIED MALEIC ANHYDRIDE-STYRENE COPOLYMERS AND OIL COMPOSITIONS CONTAINING THE SAME

Ferdinand P. Otto and Orland M. Reiff, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 29, 1949, Serial No. 118,708
11 Claims. (Cl. 252—48.6)

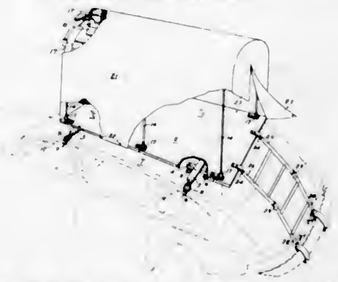
1. A mineral lubricating oil containing a minor amount, sufficient to improve the viscosity index of said oil, of a reaction product prepared by the steps of (1) reacting together (*a*) about 1 mol of maleic anhydride, (*b*) about 1 mol of styrene and (*c*) from about 1 to about 10 mols of a thiophene compound selected from the group consisting of thiophene and alkyl-substituted thiophenes, at a temperature of from about 75° C. to about 125° C., and (2) esterifying the product obtained in step 1 with a primary, normal, saturated alcohol having from about 10 to about 18 carbon atoms.

2,600,799

FOLDING TENT FOR AUTOMOBILE TOPS

Joseph Otvos, Bay Shore City, Calif.

Application December 31, 1948, Serial No. 68,582
4 Claims. (Cl. 135—4)



2. An auto-top tent comprising a platform, means for supporting the platform on the top of an automobile, a plurality of pairs of sockets

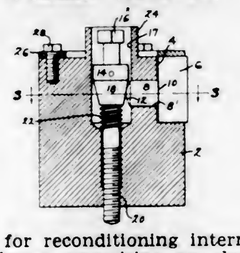
hinged to the platform, a bow demountably arranged in each pair of sockets, a plurality of loose slats extending across the bows, a fabric strip connected across the slats near each end and forming therewith a demountable cover-supporting structure, means fixed to one of the slats adjacent each of at least two bows and having therein a notch engaging the bow to hold the bows erect, and a cover supported by the bows and forming a tent above said platform.

2,600,800

CYLINDER SLEEVE ROLLER

Virgil Pace and George W. Pace, Hattiesburg, Miss., assignors to Pace Tool Manufacturing Co., Inc., Hattiesburg, Miss.

Application August 14, 1946, Serial No. 690,576
2 Claims. (Cl. 29—90)



1. A tool for reconditioning internal circular cylindrical bores comprising an elongated circular cylindrical body having an axial internally screw threaded bore opening through one end thereof and an axial bore of larger diameter communicating with the first mentioned bore and opening through the opposite end of the body, said body having peripherally spaced elongated concave recesses opening through its periphery, the axes of said recesses lying parallel to the axis of the bores, said body having radial openings extending therethrough which communicate with the larger bore and with the recesses intermediate the ends thereof, rollers mounted in the peripherally spaced recesses for rotary and radial movement relative to the body, a stud extending through the threaded bore and threadedly engaging the threads in said bore, a flat sided head carried by the stud within the larger bore for turning the stud, a cone carried by the stud within the larger bore between the head and the threaded bore for movement with said stud toward and away from the threaded bore, elongated cylindrical pawls mounted in the radial openings between the cone and engaging the cone and the rollers for moving the rollers outwardly within the recesses as the cone is advanced by the stud toward the threaded bore, a spring encircling the stud between the cone and the threaded bore and bearing on the body and on the cone for offering resistance to the turning of the stud relative to the body, a collar carried by and extending longitudinally from the body at the end thereof remote from the threaded bore in concentric relation to the longitudinal axis of the body, and flat faces on the exterior of the collar for engagement by a wrench.

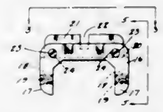
2,600,801

GUN SIGHT

Alfred M. Pasquarella, near New Bedford, Pa.

Application October 5, 1950, Serial No. 188,525
1 Claim. (Cl. 33—56)

A rear gun sight for a revolver to enable the same to be used as a target pistol, the said rear gun sight comprising a short inverted U-shaped body member, the arms of the said inverted U-shaped body member engaging the opposite sides of the frame of the said gun, a slot formed in the uppermost portion of the said inverted U-shaped body member so as to lie transversely of said gun and a notched plate disposed in said slot, drilled and tapped openings in the arms of the inverted U-shaped body member and set



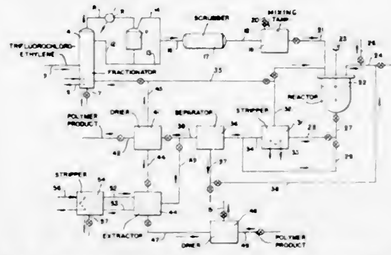
screws in the said drilled and tapped openings for frictional engagement with the opposite sides of the said frame of the gun, and secondary drilled and tapped openings in the transverse portion of the inverted U-shaped body member and at right angles to and communicating with the slot therein, set screws in the said secondary drilled and tapped openings and engaging the said notched plate.

2,600,802

PLASTICIZATION OF PERHALOCARBON POLYMERS

Herbert J. Passino, Englewood, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application March 25, 1949, Serial No. 83,451
8 Claims. (Cl. 260—33.8)



6. A process for plasticizing a normally solid perhalocarbon polymer which comprises admixing polytrifluorochloroethylene of lower molecular weight than said normally solid halogenated polymer to be plasticized and a material selected from the group consisting of trifluorochloroethylene and trifluorochloroethylene and another halogenated olefin and polymerizing the aforesaid material in the presence of said polytrifluorochloroethylene which is a liquid under the conditions of polymerization under conditions such that a solid polymer of modified mechanical and physical characteristics is produced.

2,600,803

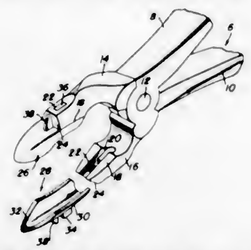
DENTAL EXTRACTING FORCEPS WITH INTERCHANGEABLE BEAKS

Thomas F. Prather, Wasco, Calif.

Application June 1, 1951, Serial No. 229,499
5 Claims. (Cl. 32—62)

1. Dental forceps comprising a pair of pliers embodying crossed pivotally connected lever handles terminating at their forward working ends in duplicate jaws, said jaws having their opposed faces provided with central longitudinal grooves providing keyways and having their intermedi-

ate portions laterally bored and providing lug receiving sockets, the outer ends of said jaws being blunt and providing detent abutments, and



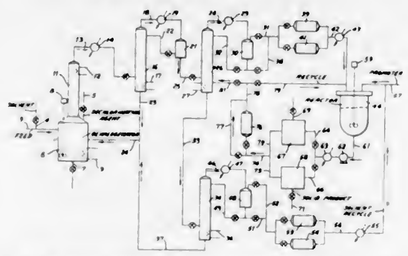
readily attachable and detachable beaks carried by the respective jaws, each beak having a key with a lateral lug, and also having a detent.

2,600,804

PRODUCTION OF CHLOROTRIFLUOROETHYLENE POLYMER-IN-MONOMER SLURRY

John S. Rearick, Summit, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application April 13, 1948, Serial No. 20,612
9 Claims. (Cl. 260—92.1)



7. The improved process for polymerizing trifluorochloroethylene which comprises introducing trifluorochloroethylene into a reaction zone, in said reaction zone polymerizing trifluorochloroethylene at a temperature between about −20 and about 25° C. in the presence of a halogenated acyl peroxide which is effective in the aforesaid temperature range as a promoter for the polymerization and at a corresponding pressure sufficient to maintain monomer in the liquid phase to produce particles of solid polymer in suspension in liquid monomer at the temperature of polymerization, and separating and recovering particles of solid polymer from the suspension as a product of the process.

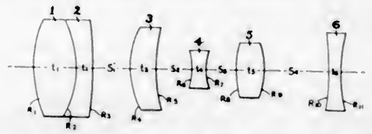
2,600,805

TELECENTRIC OBJECTIVE OF THE REVERSED TELEPHOTO TYPE

Max Reiss, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application February 8, 1951, Serial No. 209,985
3 Claims. (Cl. 88—57)

1. A telecentric objective of the reversed telephoto type adapted to be used at a magnification between 10 and 100 inclusive and corrected for spherical aberration, coma, distortion, curvature of field, and lateral color at said magnification, comprising a field lens in front, that is facing the shorter conjugate, and an objective system axially aligned and spaced therebehind, in which the field lens consists of a biconvex element cemented to the front of a meniscus negative element whose refractive index is greater than that of the biconvex element by between 0.02 and 0.04, and in which the objective system consists of a positive



meniscus element convex to the front, a front biconcave element, a biconvex element and a rear biconcave element airspaced apart in that order from front to rear, in which the radii of curvature R of the lens surfaces, the thicknesses t of the lens elements, and the airspaces s, each numbered by subscripts from front to rear, are numerically within the limits set forth in the following table of inequalities:

$$1.5\ F<R_1<3.0\ F$$
$$0.42\ F<R_2<0.48\ F$$
$$1.7\ F<R_3<2.5\ F$$
$$0.42\ F<R_4<0.48\ F$$
$$5.5\ F<R_5<50\ F$$
$$0.36\ F<R_6<0.44\ F$$
$$0.47\ F<R_7<0.57\ F$$
$$1.6\ F<R_8<2.3\ F$$
$$0.47\ F<R_9<0.57\ F$$
$$2.8\ F<R_{10}<9\ F$$
$$2.7\ F<R_{11}<6\ F$$
$$0.25\ F<t_1<0.43\ F$$
$$0.05\ F<t_2<0.10\ F$$
$$0.14\ F<t_3<0.44\ F$$
$$0.05\ F<t_4<0.10\ F$$
$$0.10\ F<t_5<0.25\ F$$
$$0.05\ F<t_6<0.10\ F$$
$$0.20\ F<s_1<0.30\ F$$
$$0.06\ F<s_2<0.32\ F$$
$$0.16\ F<s_3<0.27\ F$$
$$0.33\ F<s_4<0.45\ F$$

where F is the focal length of the telecentric objective, and in which the refractive index of each element is between 1.59 and 1.67.

2,600,806

POLY N-VINYL SULFONAMIDES

Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 25, 1949, Serial No. 101,478
6 Claims. (Cl. 260—79.3)

1. A process for preparing a resinous polymer containing a major portion by weight in the molecule of N-vinyl alkane sulfonamide units, wherein the alkane group contains not more than 4 carbon atoms, and a minor portion by weight in the molecule of unchanged vinylamine units, comprising dissolving in water a polyvinylamine compound selected from the group consisting of polyvinylamine, polyvinylamine hydrochloride, polyvinylamine hydrobromide, and a salt of polyvinylamine and a monobasic saturated fatty acid containing from 1 to 4 carbon atoms, adjusting and maintaining the temperature of the aqueous solution of the polyvinylamine compound of from 0 to 10° C., adding to the solution an alkali-metal hydroxide and then an alkane sulfonyl chloride having the general formula:

$$R_1SO_2Cl$$

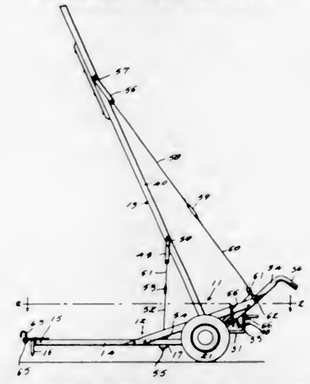
wherein R_1 represents an alkyl group containing from 1 to 4 carbon atoms, in the proportions of one gram-mol of the said polyvinylamine compound to from 3 to 10 gram-mol of the said alkane sulfonyl chloride, then mixing the reaction mixture with a water-miscible saturated monohydric aliphatic alcohol containing from 1 to 4 carbon atoms, and separating the precipitate of poly N-vinyl alkane sulfonamide which forms.

2,600,807

ADJUSTABLE MOBILE LADDER

Howard W. Rieser, Harpster, Ohio

Application March 28, 1947, Serial No. 737,740
2 Claims. (Cl. 228—11)



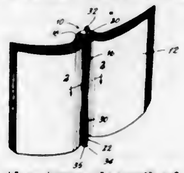
1. An adjustable ladder of the character described comprising an elongated support, a ladder pivotally mounted at one end thereon for vertical swinging motion in a direction lengthwise of the support, raising and lowering means connected to longitudinally spaced portions of the ladder and including flexible members extending from opposite sides thereof and each connected to a common manually operated winding and unwinding means disposed directly beneath the ladder pivot on said support for swingably raising and lowering the ladder relatively to the support and for retaining the ladder substantially rigidly with respect to the support in various adjusted positions.

2,600,808

LOCKING DEVICE FOR BOOK SUPPORTING METALS

Walter E. Schroer, Affton, Mo., assignor to Loose Leaf Metals Co., St. Louis, Mo., a corporation of Missouri

Application April 11, 1949, Serial No. 86,770
1 Claim. (Cl. 129—38)



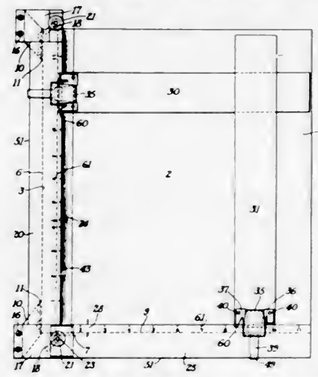
A device of the type described, comprising an elongated body member; a rod-like retaining member having one end thereof mounted adjacent one end of said body member so as to be both pivotable and slidable with respect to said body member; said one end having a ring-like portion disposed externally of said body member for suspending said device and a telephone directory, or the like, supported thereby; a locking member slidably mounted adjacent the other end of said retaining member and engageable with the other end of said body member so as to prevent pivotal movement of the retaining member, but not sliding movement thereof, relative to said body member, said locking member containing a pair of connecting cylindrical chambers, the outer chamber being of a larger diameter than the inner one so as to form a shoulder between them; a washer disposed on the retaining member adjacent the other end and within said outer chamber, the washer being larger than the inner chamber so as to abut the shoulder and limit the outward movement of the locking member; and a coiled spring disposed about the retaining member within the chambers and adjacent the washer.

2,600,809

ENLARGING EASEL

Arthur B. Simmons, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

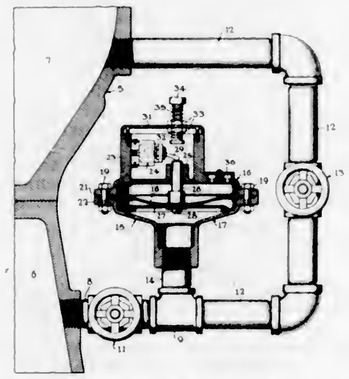
Application December 6, 1949, Serial No. 131,368
2 Claims. (Cl. 88—24)



1. In an easel for masking sheets of photographic material of the type including masking members, a base, a masking member carried by the base, a second masking member slideably mounted on the first masking member, the sliding connection comprising a shoe having a straight edge on the second masking member adapted to engage an edge of the masking member carried by the base, and means for releasably holding the shoe in frictional engagement with the first-mentioned sliding member comprising a looped spring-metal clamp having two spaced arms at one side of the loop affixed to the shoe and a third arm on the other side of the loop passing between the spaced arms, and including means for engaging an opposite side of the first-mentioned masking strip to resiliently grip the opposite side of the strip and whereby pressure on opposite sides of the looped spring may release the second-mentioned masking strip for sliding, said first-mentioned masking member being L-shaped, and brackets carried by the base, spring-metal strips attached to the brackets and having diagonal slots therein, one arm of the

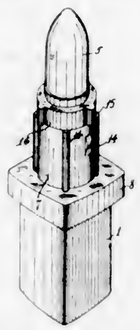
L-shaped mask carrying bolts passing through the diagonal slots whereby nuts on the bolts may be turned to slide the L-shaped member on the hinges.

2,600,810
ENGINE STOP DEVICE
Frank J. St. Lucas, Omaha, Nebr.
Application June 30, 1950, Serial No. 171,321
3 Claims. (Cl. 123—198)



1. The combination of a compression-ignition engine having a crankcase; motor means adapted to move in response to a predetermined positive pressure in said crankcase; and engine stopping means adapted to be put into action by movement of said motor in response to said predetermined pressure.

2,600,811
CASE FOR LIPSTICK AND THE LIKE
Pierre Suinat, Enghien, France, assignor to Chanel, Inc., New York, N. Y., a corporation of New York
Application October 6, 1950, Serial No. 188,753
In France July 12, 1950
1 Claim. (Cl. 206—56)



A cosmetic holder which comprises a base having a bore therein extending downwardly from the top thereof; an inner sleeve having its bottom end fast with said base at the bottom of said bore, and extending upwardly through said bore with its upper part projecting out of said base, said inner sleeve being of less outer diameter than said bore to leave an annular space between said sleeve and said base; an outer tubular unit around said inner sleeve, adapted to rotate freely about the same, having its lower portion in said annular space rotatably borne in said bore, while the upper part of said tubular unit projects out of said base; a collar secured to the top of said inner sleeve and projecting peripherally from the outer surface thereof to provide a stop against upward movement of said outer tubular unit; a lipstick carrier within said inner sleeve; means for advancing and retracting said lipstick carrier coincident with the relative rotation of said outer tubular unit and said inner sleeve; a removable cap adapted to be fitted over said collar and the upper part of said outer tubular unit; a peripheral flange secured to the outer surface of said tubular unit immediately adjacent the upper end of said base, said flange laterally projecting beyond said base so as to provide both a manipulation member and an abutment for said cap; said tubular unit and said collar having corresponding longitudinal ribs on their outer peripheral surfaces, adapted to register for predetermined relative positions of said unit and inner sleeve, while said cap is formed with inner longitudinal grooves corresponding to said ribs, so as to accommodate said ribs when the same are registering, said means and said ribs being so relatively positioned that said ribs register when said lipstick carrier is in its fully retracted position and said ribs are out of register when said lipstick carrier is advanced to project the lipstick from the holder.

2,600,812
INSULATING PIPE COVERING COMPOSITION
Harold Karren Thomas, Phoenix, Ariz.
No Drawing. Application October 23, 1950, Serial No. 191,723
4 Claims. (Cl. 106—84)

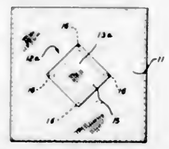
1. A compressible composition, for dry pressing semi-cylindrical insulating pipe covering sections, consisting of expanded perlite granules composed of thin walled bulbous cells adapted to knit and form a solid cake under compression, of plaster grade aggregate and having a density of eight pounds per cubic foot, one cubic foot; a binder consisting of sodium silicate 40° Baumé, one half gallon; and a setting agent consisting of powdered rock salt ten ounces.

2,600,813
PRODUCTION OF PHOSPHORIC ACID
Calvin M. Tidwell, Middleport, N. Y., assignor to International Minerals & Chemical Corporation, a corporation of New York
No Drawing. Application November 29, 1948, Serial No. 62,599
8 Claims. (Cl. 23—165)

1. A process for producing substantially iron-free phosphoric acid which comprises reacting at above about 100° C. a composition containing essentially ferrophosphorus with sulfuric acid which contains free sulfur trioxide in an amount sufficient to remove from the reaction mixture the water produced therein and separating the precipitated solids from the resultant reaction mixture and removing excess sulfuric acid and sulfur trioxide from the resultant acid mixture.

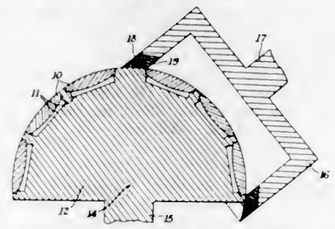
2,600,814
SCARF
Wanda Tomarkin, Rockaway Park, N. Y.
Application December 24, 1949, Serial No. 134,990
4 Claims. (Cl. 2—207)

4. A scarf comprising a limp woven fabric incapable of retaining a bent shape when disposed on a flat surface, and a non-resilient woven fabric member having a stiffness greater than that of said limp fabric and capable of being bent into a given shape and retaining said shape at all times secured to a selected area of said



limp fabric such that upon folding said scarf to desired form, said member is located along an edge of the folded scarf, whereby said scarf may be manipulated into a predetermined shape and retained in said shape.

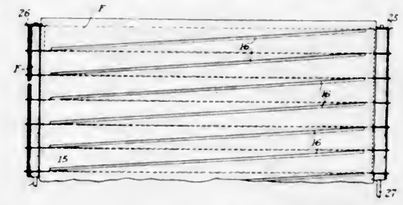
2,600,815
APPARATUS FOR ROUGH AND FINE GRINDING OF SPHERICAL SURFACES
John R. Turner, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 20, 1949, Serial No. 88,624
11 Claims. (Cl. 51—131)



2. An abrading apparatus for rough and fine grinding a spherical surface on a piece of work with one feeding stroke of a single tool and comprising in combination a rotatable work spindle, means for blocking said work on said spindle in such a way that the center of curvature of the surface to be generated will be on the axis of said spindle, a rotatable cup-shaped grinding wheel disposed with its axis of rotation inclined to the axis of said work spindle and intersecting the center of curvature of the surface to be generated, the rim of said grinding wheel comprising a ring of bonded coarse abrasive and a ring of bonded fine abrasive connected in concentric relationship with the ring of bonded fine abrasive lying within the other ring the exposed ends of said abrasive rings constituting the work-engaging faces and being arcuate about centers lying on the axis of said wheel, and means for feeding said grinding wheel into engagement with said piece of work along the axis of said wheel until the desired fine ground surface is obtained on the piece of work.

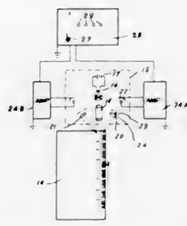
2,600,816
GRID-TYPE DISPLAY SIGN
Fordyce E. Tuttle and Otto Wittel, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 20, 1950, Serial No. 185,714
10 Claims. (Cl. 40—133.1)

1. A changeable grid-type display sign comprising a plurality of narrow, elongated transparencies mounted in side-by-side parallel relation substantially in a common plane so as to be viewed by transmitted light, each transparency bearing a like number of narrow, elongated picture elements extending transversely thereof and disposed in parallel juxtaposition along the length thereof, correspondingly spaced picture elements on each transparency constituting a part of the same complete picture while successive correspondingly spaced elements on each transparency constitutes a part of different complete pictures, a grid disposed in front of said transparencies in a plane substantially parallel



thereto, and provided with slits complementary in size and shape to the picture elements on said transparencies and being of such number and disposition as to simultaneously align with the different correspondingly spaced picture elements on all of said transparencies forming a part of the same complete picture, and means for moving said transparencies and grid relative to one another whereby correspondingly spaced picture elements on the several transparencies can be simultaneously viewed in succession by transmitted light to see the complete composite pictures formed thereby.

2,600,817
METHOD AND APPARATUS FOR PHOTOELECTRICALLY ASSORTING, RECORDING, OR COMPUTING
John A. Victoreen, Cleveland, Ohio, assignor to The Victoreen Instrument Company, Cleveland, Ohio
Application December 10, 1945, Serial No. 634,038
12 Claims. (Cl. 235—61.11)



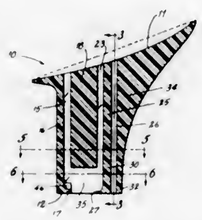
11. An apparatus for use in combination with a record sheet having series of columnar markings in one column for indicating intelligence and a second column having starting lines in operative relation before each of said series of columns and said markings in said first column adapted to be extended into the second column to act as stopping lines to indicate the selected intelligence, comprising a scanner for scanning said sheet, when it is moved relative thereto, comprising a source of illumination, a first photosensitive scanner means in operative relation to the first column to generate impulses therefrom and a second photosensitive scanner means in operative relation to the second column to gen-

erate impulses from the second column, amplifier means for amplifying the impulses from each photosensitive means, a selector switch connected to the amplifier means for said second scanner and operable thereby and having selector contacts, a plurality of counter means, said selector switch having the selector contacts connected to said counter means and said first scanner being connected through said amplifier and said selector contacts to said counter means.

2,600,818
AIR-DRYING WRINKLE FINISH AND METHOD OF MAKING
William A. Waldie, Oakwood, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 18, 1947, Serial No. 774,899
11 Claims. (Cl. 260—18)

6. A new air-drying wrinkling coating composition comprising a cold blend of from 1 to 10 gallons of non-wrinkling varnish and about 1 gallon of raw tung oil, said varnish consisting of the heat reaction product of oil soluble phenol formaldehyde condensation resin, oiticica oil and hardening material selected from the group consisting of litharge and red lead.

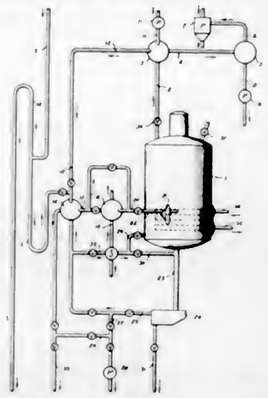
2,600,819
SHOE HEEL
William J. Walsh, Lemay, Mo.
Application November 5, 1949, Serial No. 125,674
12 Claims. (Cl. 36—34)



2. A heel construction comprising a heel-shaped piece having outside walls and a plurality of vertical walls within the outside walls with openings between said walls, one of said walls extending downwardly to adjacent the bottom of the piece, the bottom of the piece having an opening therein, the said one of the walls being separate from the outside walls at its lower portion to provide a tongue yieldable toward the outside walls.

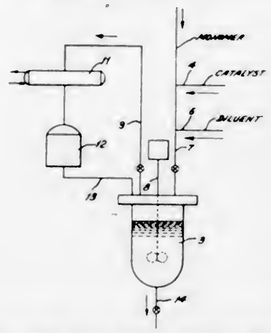
2,600,820
METHOD OF REMOVING SCALE FROM HEATING COILS
William T. Whatley, Port Arthur, Tex.
Original application August 27, 1949, Serial No. 112,755. Divided and this application July 3, 1950, Serial No. 171,927
2 Claims. (Cl. 134—17)

1. The method of removing scale from the heating coils in an evaporator which comprises maintaining a body of water in the evaporator, heating the body of water while confining the generated water vapor whereby a superatmospheric pressure is generated within the evaporator, exhausting the contents of the evaporator, drying the outside of the coils while maintaining the evaporator under subatmospheric pressure,



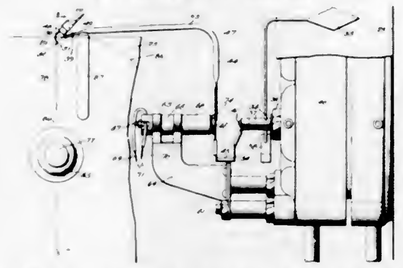
thereafter drawing cold water into the evaporator while heating the inside of the coils.

2,600,821
PROCESS FOR POLYMERIZING TRIFLUOROCHLOROETHYLENE
John M. Wrightson, North Bergen, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 30, 1948, Serial No. 17,863
9 Claims. (Cl. 260—92.1)



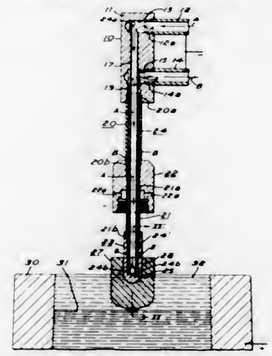
7. The process for polymerizing trifluorochloroethylene to produce a normally solid polymer of superior chemical and physical characteristics which comprises polymerizing trifluorochloroethylene in a reaction zone in the presence of a polymerization promoter comprising bis-trichloroacetyl peroxide and a liquid diluent selected from the group consisting of a saturated hydrocarbon and a saturated halogenated hydrocarbon having a boiling point at least 10° C. lower than the monomer at a temperature of polymerization between about —20 and about 25° C. and at a pressure corresponding substantially to the vapor pressure of the diluent at said polymerization temperature whereby heat of polymerization of said trifluorochloroethylene is removed as latent heat of vaporization of said diluent, the quantity of diluent employed being a volume ratio of liquid diluent to liquid monomer of about 1:1 to about 10:1, and maintaining the monomer and diluent in admixture as a pool of liquid substantially coextensive with said reaction zone.

2,600,822
RECORDING AND INCLUDING RESONANT VIBRATORY ASPECTS
David Robert Yarnall, Philadelphia, and James W. Williams, 3rd, Ambler, Pa., assignors to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 27, 1947, Serial No. 737,578
15 Claims. (Cl. 346—69)



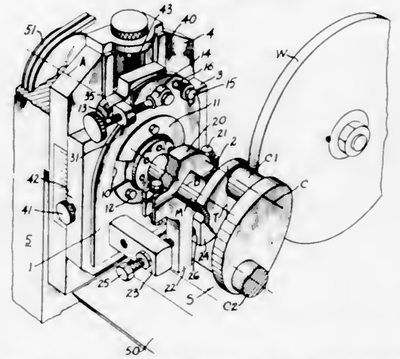
1. In a recorder, a marker arm adapted to rotate about an axis in response to a quantity being recorded, a marker toward the opposite end of the arm from the axis and adapted to cooperate with a chart, a magnetically susceptible armature on the marker arm at the axis, an electromagnet acting directly on the armature along the axis and thereby vibrating the marker arm at the axis and alternating current means for energizing the electromagnet to vibrate the marker in contact with the chart.

2,600,823
HOT TOP ELECTRODE TIP
Concezio L. Zaccagnini, Watervliet, N. Y., assignor to Allegheny Ludlum Steel Corporation, Brackenridge, Pa., a corporation of Pennsylvania
Application January 15, 1949, Serial No. 71,116
2 Claims. (Cl. 219—14)



1. In an arc-forming electrode of the character described for melting ingot metal, wherein current of one potential is to be applied to the electrode, wherein the electrode has a head part provided with a cooling fluid inlet and outlet and that carries a pair of longitudinally-extending substantially concentric inner and outer tubes of a highly conductive metal, wherein the inner tube defines an inlet chamber therealong connected to the cooling fluid inlet and the inner and outer tubes define an outlet chamber therebetween along the inlet chamber which outlet chamber is connected to the fluid outlet, and wherein a forwardly-extending end portion of the outer tube terminates substantially behind a forwardly-extending end portion of the inner tube, the combination which comprises, a primary nose part of a highly conductive metal having a bore wall of larger diameter than an outer diameter of the inner tube which bore wall is closed at its forward end and open at its inner end, the inner end of said bore wall being threadably mounted on the forwardly-extending end portion of the outer tube and enclosing the forwardly-extending end portion of the inner tube to define a continuation of the outlet chamber with the outer tube, a bifurcated and outwardly-converging end on the extending end portion of the inner tube to provide an unrestricted flow of cooling fluid from the inner tube to the continuation of the outlet chamber defined by said bore wall, said primary nose part being of cylindrical shape and having a rounded tip at its forward end, a secondary nose part of allotropic carbon having a rounded forward tip end to provide an arc for melting the ingot metal, said secondary nose part having a central bore wall therein open to its inner end and closed to its tip end which bore wall conforms in shape to the forward end of said primary nose part and is mounted in tight frictional engagement with and over the forward end of said nose part, and said secondary nose part extending backwardly along a portion of the length of said primary nose part and the outlet chamber defined thereby and backwardly beyond said bifurcated end of the inner tube.

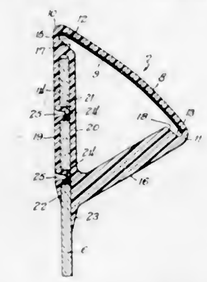
2,600,824
CRANKSHAFT GRINDER
Frederick P. Zwick, Seattle, Wash.
Application October 14, 1949, Serial No. 121,407
4 Claims. (Cl. 51—237)



1. In a crankshaft grinder, in combination with a workhead rotative about a fixed axis; a cross slide carried by, rotative with, and adjustable diametrally with respect to, said workhead; an element rotative with and supported on said cross slide for rotative adjustment relative to the cross slide about an axis which coincides with or is parallel to the workhead's axis of rotation, depending upon the diametrally adjusted position of the cross slide; means carried by said rotative element for securing one end of a crankshaft immovably with respect to said element, coaxially of the axis of adjustment thereof, with its several crankpins angularly spaced about such axis of adjustment, and for adjustment and rotation with said element; means to effect diametral adjustment of said cross slide relative to said workhead, along the general line of any

selected crank throw, to offset the crankshaft's axis relative to the axis of rotation by the amount of the throw, and to dispose the axis of the selected crankpin approximately coaxial with the axis of rotation, and to secure the cross slide in such diametrally adjusted position; an adjusting screw disposed chordally of said rotative element and a nut threaded on said screw, one thereof being mounted upon the rotative element and the other upon the cross slide; and means engageable to effect rotation of said screw, whereby to adjust the rotative element minutely angularly about its axis of adjustment, to bring the axis of the selected crankpin into coincidence with the axis of rotation, and to retain it in such position of adjustment.

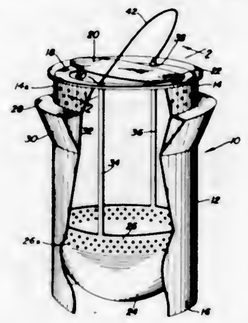
2,600,825
INDEX TAB
George J. Aigner, Chicago, Ill., assignor to G. J. Aigner Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1948, Serial No. 6,230
1 Claim. (Cl. 129—16.8)



An index tab for mounting on the edge of a supporting card or the like composed of a single piece of material and comprising a transparent inclined face portion having curved top and bottom edges, a vertically and longitudinally slotted upright wall connected to and extending down from the upper curved edge of the face portion, said slotted wall being adapted to receive an edge of a supporting card on which the tab is to be mounted and having an upper edge of greater thickness than said face portion forming a shoulder, and intermediate portion of the outer side of the slotted wall being formed as an indentation extending across the slot and terminating adjacent the other side of such wall for engagement with the edges of an opening in such a card, and a diagonally extending brace member of greater thickness than said face portion extending between and merging into the lower edge of the face portion and the adjacent side of the slotted wall, the upper edge of said brace member forming a shoulder, the shoulders formed by the upper edges of said brace member and said slotted upright wall co-operating with the curved top and bottom edges of said face portion to provide grooves for receiving the top and bottom edge portions of an index strip.

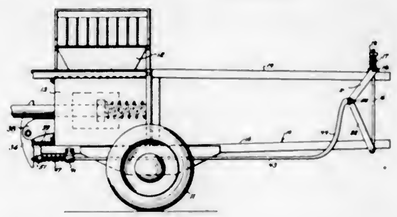
2,600,826
BAIT CONTAINER
Rufus V. Allen, Chino, Calif.
Application February 10, 1950, Serial No. 143,578
5 Claims. (Cl. 43—56)

1. A bait container comprising a cylindrical shell having perforations adjacent its upper end, a continuous angle member surrounding said shell and having first and second flanges attached to said shell to form an air chamber, a closure for the upper end of said shell, a receptacle slidably received in said shell, a pair of



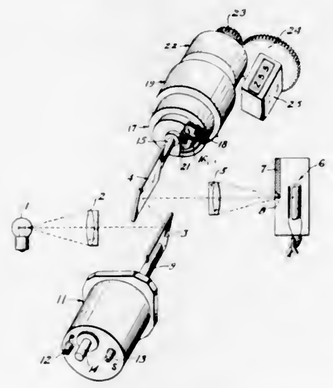
arms rising from said receptacle, said closure having a pair of openings slidably receiving said arms, and a carrying bail attached to said arms and overlying said closure, said shell being imperforate below said angle member.

2,600,827
HAY BALER SLEEVE
Gus Almquist, Riverside, Calif.
Application August 25, 1947, Serial No. 770,463
1 Claim. (Cl. 100—23)



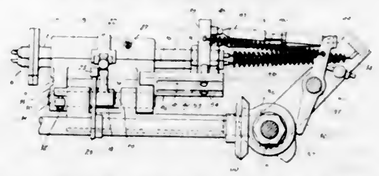
In a hay baler, the combination which comprises an elongated hay baler frame, rectangular shaped in cross section and having upper and lower horizontally disposed sections extending therefrom, a packing head mounted in one end of the frame, a packing plunger slidably mounted in the said packing head and having guide rods extended through the packing head for limiting travel of the plunger in the packing head, a centrally disposed tubular shaft adjustably mounted in the packing head and having a vertically disposed slot therethrough, a control rod extended from the plunger and slidably mounted in the said tubular shaft, said rod positioned with one end extended into the said slot of the tubular shaft, a spring positioned on the tubular shaft for urging the plunger toward material being packed in the frame, a lever pivotally mounted on the end of the packing head and positioned with one end extended into the slot of the tubular shaft to engage the control rod, and with the opposite end extended downwardly from the said packing head, a cross bar suspended from the frame adjacent to the packing head and positioned to be engaged by the lower end of the said lever, horizontally disposed bars connected to the said cross bar and extending on opposite sides of the frame, upper and lower toggle levers pivotally connected to the ends of the bars, a shaft mounted on the extended end of the lower section of the frame, means connecting the lower toggle levers to the ends of the shaft, a transverse member extended across the extended end of the upper section of the frame, means connecting the upper toggle levers to the ends of the said transverse member, vertical rods pivotally connected to and extended from the shaft positioned on the extended end of the lower section of the frame and extended through the said transverse member on the upper section of the frame, adjusting nuts positioned on the upper ends of the vertical rods, and springs positioned between the said transverse member and nuts, said toggle levers providing reduced pressure on a bale of hay positioned between the extended sections of the baler frame when the bars are actuated by the lever on the packing head.

2,600,828
AIR MILES RECORDER AND FOLLOW-UP SYSTEM
John H. Andresen, Jr., Port Washington, N. Y., assignor, by mesne assignments to Kollsman Instrument Corporation, Elmhurst, N. Y., a corporation of New York
Application March 26, 1946, Serial No. 657,190
13 Claims. (Cl. 73—183)



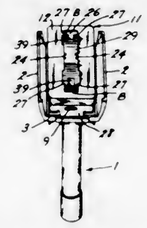
10. In an air miles recorder for aircraft, means responsive to airspeed, a variable speed motor, an optical follow-up system including a light source, a light sensitive element and an optical system containing means including a pair of mirrors for directing the light rays from said light source upon the light sensitive element, means for positioning one of said mirrors by said airspeed responsive means, means for positioning the other of said mirrors by the speed of rotation of said variable speed motor, means responsive to the position of the light rays relative to the light responsive element for varying the speed of said variable speed motor to move said other of said mirrors to return the light rays to a predetermined point with respect to the light sensitive element after movement of said one of said mirrors, said follow-up being accomplished by movement of the mirrors only while the remainder of the optical system remains stationary, and a counter driven by said variable speed motor for recording the air miles traveled.

2,600,829
TOOL SETTING DEVICE ON LATHES AND OTHER MACHINE TOOLS
Christopher Guy Arengo, Portishead, England, assignor of one-half to Bristol Repetition Limited, Portishead, England, a company of Great Britain and Northern Ireland
Application April 15, 1949, Serial No. 87,651
In Great Britain April 14, 1948
5 Claims. (Cl. 29—55)



1. A tool-setting device for lathes and other machine tools comprising a tool spindle carrier mounted for pivotal movement about an axis parallel to the work-piece axis of the lathe, at least two tool spindles mounted in the carrier and adapted for axial movement in the carrier, the direction of such axial movement being parallel to the axis of pivotal movement of the carrier, separate means continuously operatively connected to each said tool spindle for effecting said axial movement of tool spindles, each said means comprising a universal joint, and means for effecting pivotal movement of the said carrier, the said means for effecting axial movement of the tool spindles and for effecting pivotal movement of the carrier being interconnected so as to be actuated simultaneously.

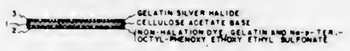
2,600,830
BLADE DISPENSER
Zemach Auerbach, Bronx, N. Y.
Application June 30, 1949, Serial No. 102,283
12 Claims. (Cl. 30—40)



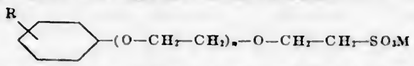
7. For use in feeding to a safety razor having a central longitudinal ridge, single blades of the type having a central longitudinal slot for receiving said razor ridge and provided with a central opening, a blade dispenser, in combination, an open container, said container having a plate, opposed ends and sides, the distance between said sides being greater than the width of said blades, the distance between said ends being slightly greater than the length of said blades, the plate of the container having a central opening and reduced slots of sufficient width to receive the said razor ridge; and a slider in overlying relation to said container plate, said slider having a pair of depending legs clearing through said central container opening and said central blade openings, said pair of legs having outwardly-turned feet in underlying abutment with the lowermost blade, said central container opening pro-

viding stops cooperative with said slider legs to limit slider movement, said slider being fabricated of springy material and arched to impose a spring condition between abutment of said slider feet and the lowermost blade and abutment of the ends of the arched slider and the said container plate, the said arched slider presenting a symmetrically elevated surface for facile manipulation, the end portions of said arched slider plate having centrally disposed notches in which said razor ridge is received.

2,600,831
LIGHT-SENSITIVE SILVER HALIDE PHOTOGRAPHIC ELEMENTS
Walter Dewey Baldsiefen, Metuchen, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
Application July 26, 1949, Serial No. 106,962
6 Claims. (Cl. 95—8)

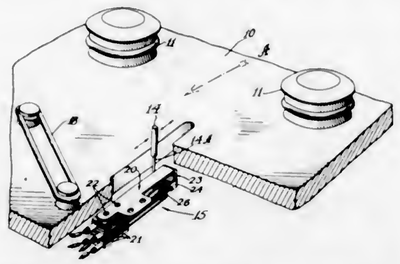


1. A photographic element comprising a support and a light-sensitive silver halide emulsion layer said element having at least one water-permeable outer layer which contains a small amount of a compound of the formula:



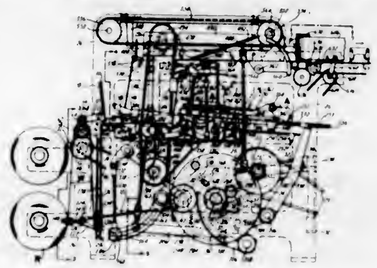
wherein R is an alkyl radical of 4 to 12 carbon atoms, n is a cardinal number from 1 to 2 and M is a member taken from the group consisting of alkali metals and ammonium.

2,600,832
DUAL ACTION BALL SWITCH
George R. Benak, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application October 16, 1947, Serial No. 780,289
4 Claims. (Cl. 200—1)



1. A ball switch for reverse action comprising a bracket, a pair of contact springs extending in substantial parallelism on said bracket, an offset on said bracket near one of the ends of said pair of contact springs, an operating lever projecting approximately at right angles to the planes of said contact springs and having a U-shaped end off-set at approximately right angles to itself with the opposite sections adjoining the bight of said U-shaped end lying in a plane approximately parallel with that of each of said contact springs and the adjoining said section nearest the lever pivoted in said bracket offset, and the remaining said adjoining section disposed between said contact springs such that each of the latter will be flexed in a direction opposite or away from the other responsive to rocking of said lever in opposite directions, and contact means cooperable with said pair of contact springs for connection in a control circuit.

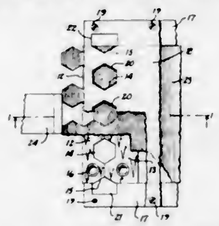
2,600,833
WRAPPING MACHINE FOR ARTICLES OF VARYING SIZES
Robert J. Beutel, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application May 28, 1946, Serial No. 672,786
59 Claims. (Cl. 53—15)



1. In a wrapping machine having an article lifter table adapted to be moved to and from an article receiving station and an article delivery station, web feeding mechanism carried by said lifter table, and means for driving said mechanism to feed a length of wrapping material relative to said table.

18. In a wrapping machine provided with an article lifter table adapted to be moved between an article receiving and an article delivery station, a web receiving shelf adjacent said delivery station, web feeding mechanism carried by said lifter table, means for driving said mechanism to feed to length of wrapping material onto said shelf, means for moving said table to said receiving station and draping a wrapper in the path of travel of an article onto said lifter table, means for cutting said draped portion of said wrapper from said web, and means for repositioning said wrapper sheet prior to the association of an article to be wrapped with said sheet.

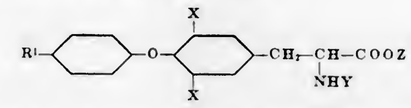
2,600,834
CUTTING SHEET MATERIAL INTO BLANKS
Emile Blair, New Haven, Conn., assignor to Olin Industries, Inc.
Application December 24, 1947, Serial No. 793,715
5 Claims. (Cl. 164—17)



1. The method of forming hexagonal blanks and scrap blanks from a sheet strip which comprises arranging the cutting mechanism so that the blanks are laid out in columns extending lengthwise of the sheet with certain flat sides of hexagonal blanks perpendicular to the length of the sheet, said columns including inner columns of hexagonal blanks and marginal columns of scrap blanks, alternate columns of blanks having their angular corners interfitting the angular corners of those columns in between, said method comprising punching the scrap blanks of marginal columns and the hexagonal blanks of alternate columns, and shearing the blanks of columns between the punched columns at said flat sides.

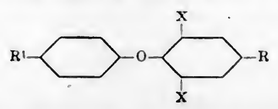
2,600,835
2:6-DIHALOGENODIPHENYLETHERS AND PROCESS OF PREPARING SAME
Edward Teggin Borrows, Kenton, and John Charles Clayton, Southall, England, assignors to Glaxo Laboratories Limited, Greenford, England, a British company
No Drawing. Application October 14, 1948, Serial No. 54,583. In Great Britain October 23, 1947
7 Claims. (Cl. 260—309.5)

1. As new compounds, the levo form of compounds of the general formula

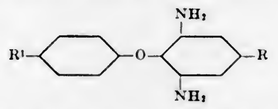


where R^1 is lower alkoxy, Z is alkyl containing not more than 4 carbon atoms, Y is selected from the group consisting of acetyl and benzoyl and X is selected from the group consisting of chlorine, bromine and iodine atoms.

6. A process for the preparation of 2:6-dihalogenodiphenylethers of the general formula



which comprises reacting in the absence of water a diaminodiphenyl ether of the general formula

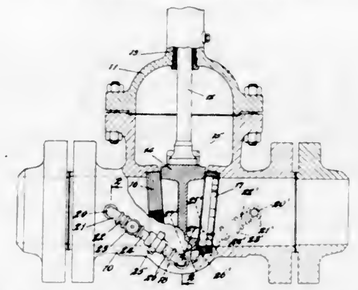


in solution in glacial acetic acid, with concentrated sulphuric acid and a nitrite selected from the group consisting of an alkali metal nitrite and an alkyl nitrite containing less than 6 carbon atoms, and decomposing the resulting tetrazo compound with water and halide selected from the group consisting of alkali metal iodides and cuprous chloride, bromide and iodide, where R^1 is a grouping selected from the group consisting of a hydroxyl group, and alkoxy groupings, R is a grouping selected from the group consisting of



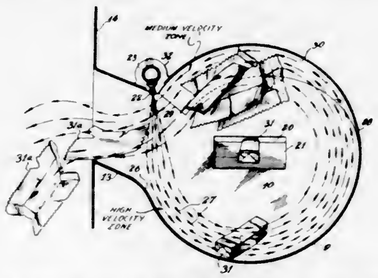
and where Z is an alkyl group containing not more than four carbon atoms, Y is an acyl group and X is selected from the grouping consisting of chlorine, bromine and iodine atoms.

2,600,836
SELF-CLEANING VALVE
Joseph W. Boyd, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 16, 1947, Serial No. 780,163
1 Claim. (Cl. 251—59)



In a gate valve, the combination comprising a valve body having a clear passage therethrough of at least the diameter of pipe approaches to the valve, a pair of demountable seating members in said valve body providing a pair of seats, said valve body having a sump formed below said seating members, a valve gate mounted for movement in a vertical plane, seating members having a pair of seats thereon complementing the said first pair of seats, a conduit connecting said sump with the pipe approach to the valve to permit discharge of a jet of fluid therefrom through the sump below said valve body, transversely across the stream substantially at right angles to the direction of main stream fluid flow and about tangential to the stream, the discharge being effective to induce a churning and swirling action in the sump, whereby accumulations of settlings may be carried up into the stream of fluid passing through the valve for removal from the zone of the valve.

2,600,837
DEVICE FOR REMOVING WRAPPERS FROM PACKAGED GOODS, SUCH AS CHEWING GUM, CONFECTIONS, OR THE LIKE
Clay G. Boyer, Philadelphia, Pa.
Application August 6, 1947, Serial No. 766,600
7 Claims. (Cl. 209—2)

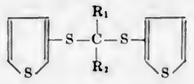


1. A device for removing wrappers from packaged goods such as chewing gum, confections or the like, comprising a housing providing a relatively narrow, generally annular path around which the wrapped packages are adapted to travel, a peripheral discharge opening in said annular path, and a nozzle arranged to deliver a high velocity jet of gas across the said opening

in a direction generally circumferentially of the annular path, the width of said nozzle being materially less than the width of the discharge opening to provide a jet of gas of smaller dimension than the width of the discharge opening whereby the goods may be passed out through the opening at the side of the jet.

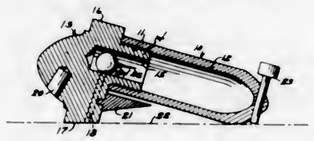
2,600,838
THIENYL MERCAPTALS AND MERCAPTOLS
John W. Brooks, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Original application November 26, 1947, Serial No. 788,330. Divided and this application November 19, 1948, Serial No. 61,121
6 Claims. (Cl. 260—329)

1. As a new composition of matter, the compound having the general formula:



where R_1 is a substituent selected from the group consisting of hydrogen and a methyl group; and R_2 is a substituent selected from the group consisting of methyl, propyl, phenyl, phenethyl, furyl, and thienyl groups.

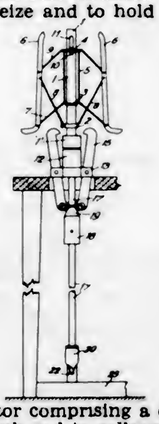
2,600,839
CONDIMENT HOLDER
Archie T. Brown, Biloxi, Miss.
Application March 9, 1950, Serial No. 148,600
2 Claims. (Cl. 222—173)



2. A condiment shaker comprising a body provided with a socket, said socket terminating in a chamber for holding condiments, a pin slidably connected to the rear end of said body and adapted to engage a supporting surface, a head provided with a neck arranged in engagement with said socket, there being a bore arranged in said head for receiving condiments from said chamber, a portion of the exterior of said head being shaped arcuately, another exterior portion of said head being shaped to define a flat surface, said head being provided with a plurality of spaced passageways extending from said bore to said flat surface for discharge therethrough of condiments, a plurality of counterweights normally holding said flat surface in a position contiguous to the supporting surface, and a ball arranged in said bore and adapted to selectively seal and unseal the inner ends of said passageways.

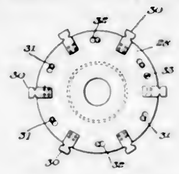
2,600,840
HOLDING MEANS FOR PREPARING ARTIFICIAL SILK CAKES FOLDABLE REELS
Albert Bruegger, Philadelphia, Pa.
Application February 27, 1948, Serial No. 11,734
10 Claims. (Cl. 242—112)

1. In combination, a collapsible reel for winding rayon cakes, a support for the reel, a mechanical actuator adapted to be brought into cooperation with the reel mounted upon the support in order to seize and to hold the reel, said



mechanical actuator comprising a clamp to hold said reel, and a push rod to collapse said reel.

2,600,841
WIRE CLAMP AND CUTTER FOR SPOOLING MACHINES
Carl O. Bruestle, Metuchen, N. J., assignor to Syncro Machine Company, Perth Amboy, N. J., a corporation of New Jersey
Application June 25, 1949, Serial No. 101,444
4 Claims. (Cl. 242—19)

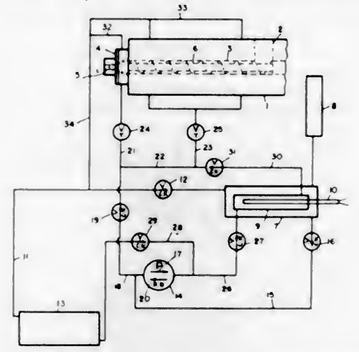


1. Means for clamping and cutting a wire extending from a full spool to an empty one in a continuous spooling machine in which wire fed thereto is alternately wound on two adjacent spools comprising, a ring detachably mounted on the flange of each spool adjacent the other spool, a plurality of lugs extending outwardly from each of the said rings, notches in said lugs on both side edges thereof and located substantially adjacent the peripheral edge of the corresponding flange, said notches being provided with cutting edges.

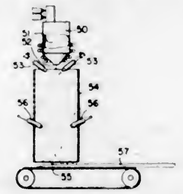
2,600,842
TEMPERATURE CONTROLLED FLUID SUPPLY APPARATUS
Hans E. Buecken, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application September 22, 1948, Serial No. 50,640
13 Claims. (Cl. 257—10)

1. In a temperature controlled fluid supply apparatus, the combination of a unit through which hot or cold fluid is adapted to be selectively circulated, a reversible pump, hot and cold fluid systems connected to said unit and to said pump, a valve in one system respectively opened and closed upon operation of said pump in one direction and in the other to respectively permit and block circulation of fluid through said system and unit, and a valve in the other system respectively

closed and opened upon operation of said pump as aforesaid to respectively block and permit circulation of fluid through said other system and said unit.



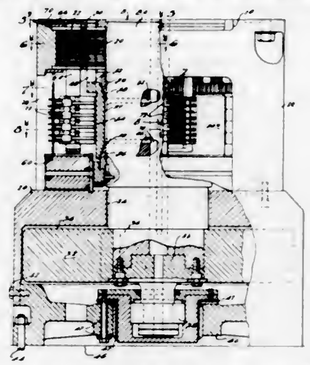
2,600,843
PROCESS FOR MANUFACTURING COMPRESSIBLE GLASS FIBER SHOCK ABSORPTION MATERIAL AND PRODUCTS
Joachim G. Bush, Los Angeles, Calif., assignor to Vibradamp Corporation, Los Angeles, Calif., a corporation of California
Application January 24, 1952, Serial No. 268,049
5 Claims. (Cl. 267—1)



4. A new article of manufacture for use as a spring: comprising the combination of a plurality of superimposed glass fibers forming a mass of a predetermined density, each fiber having a coating thereon of heat-curable resin, the major portion of said fibers being substantially parallel to the same plane, a portion of the glass fibers being unbonded with the remainder bonded together at their points of contact, a minor portion of said fibers being substantially vertical to the direction of the main body of fibers, said fiber mass having substantially all of said minor portion of fibers broken whereby the compressive deflection of said fiber mass is predetermined and uniform for a predetermined load.

2,600,844
ELECTRICAL APPARATUS
James V. Caputo, Youngstown, Ohio, and Thomas J. Crawford, Berkley, Mich.; said Crawford assignor to said Caputo
Application October 16, 1947, Serial No. 780,170
10 Claims. (Cl. 171—212)

1. In a homopolar generator, a rotor arranged to rotate about a vertical axis, a hollow vertically extending shaft carrying said rotor and providing a chamber for the upflow of coolant, means providing a container for coolant outwardly of said shaft from the hollow interior thereof, vertically spaced passageways in said shaft communicatively connecting said container with the hollow interior of said shaft, and fluid conveying means for supplying coolant to one end portion

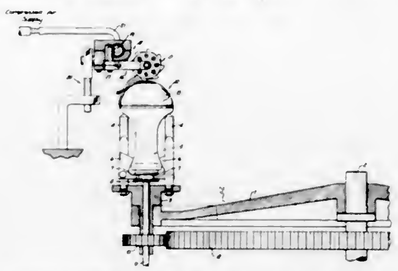


of the hollow interior of said shaft, the other end portion of said shaft being open for the discharge of coolant therefrom.

2,600,845
LIQUID FILTER
Robert E. Carrigan, Saylesville, R. I., assignor to Union Wadding Company, a corporation of Rhode Island
No Drawing. Application March 13, 1947, Serial No. 734,543
4 Claims. (Cl. 210—203)

1. A filter sheet comprising a series of superimposed layers of carded fibers, including a layer of unbonded fibers and additional unwoven layers at opposite sides of it having fibers which are bonded together by a film of thermo-setting water insoluble binder transversely permeable to milk, said binder being cured methylated melamine formaldehyde resin and starch varying in ratio from one part of resin to one to four parts of starch.

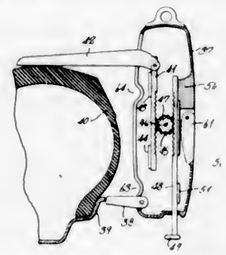
2,600,846
MACHINE FOR REMOVING PORTIONS OF THE COATING FROM COATED GLASS ARTICLES
Adrien F. Casler, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application April 21, 1950, Serial No. 157,259
3 Claims. (Cl. 118—102)



1. In combination with a machine for automatically locating and spinning successive glass bulbs at a work station, a flexible linkage mechanism positioned at said station for bringing forward a scraping tool against said bulb relatively slowly

and for removing said tool relatively quickly, comprising a support block, an operating arm carrying said tool, a spring attaching said arm to said block and tending to make said arm pivot in a plane, a cylindrical cavity within said block with its axis normal to said plane, a resilient deformable cylindrical closed container fitted within said cavity, a second cavity within said block projecting slightly into said cylindrical cavity near its mid-point, said arm having a portion entering said second cavity and bearing against the side of said container, thereby causing a partial collapse thereof by the force normally applied by said spring through said arm, a coupling for admitting a supply of compressed air to said container and an air vent for allowing the escape of air therefrom at a controlled rate, said compressed air restoring said container to its undeformed state in order to secure a quick removal of said tool, and the escape of air therefrom causing said container to return to its deformed state and resulting in the slow bringing forward of said tool.

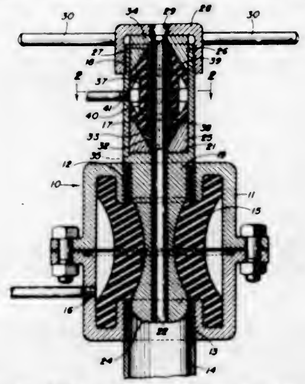
2,600,847
TIRE GAUGE
Franklin O. Church, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,836
5 Claims. (Cl. 33—169)



1. A tire gauge which comprises a casing having a projection to engage the rim of a wheel, an arm extending sidewise of said casing and movable toward and from said projection, a rod slidable in said casing having a foot portion outside of said casing, a differential transmission between said arm and said rod to move said rod at a lesser rate proportional to the rate of said arm, and a second projection in said casing to engage the rim of a wheel when said foot is placed on the ground.

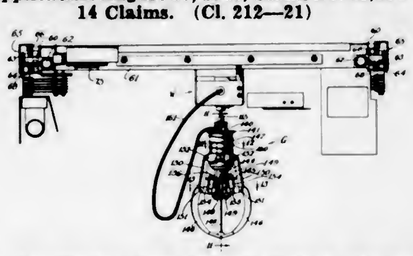
2,600,848
WIRE LINE STRIPPER
Lawrence B. Collins, Orange, and Clinton A. Langstaff, Compton, Calif.
Application April 1, 1947, Serial No. 738,758
4 Claims. (Cl. 166—14)

1. A line stripper of the character stated, comprising a cylindrical housing open at one end and having an elongate tubular stem extending axially from the opposite end thereof and opening thereinto, said tubular stem comprising a portion of reduced inner diameter connected to the housing and forming a longitudinal extension of the housing and including an elongate tubular mandrel having one end extending through the housing extension into the housing and a ring encircling and secured to the other free end of the mandrel, adjacent portions of the ring and the housing extension being in spaced relation and of reduced external diameter and coacting with the mandrel to form the complete stem with a constricted portion intermediate its ends, the said one end of the mandrel within the housing being enlarged to fit snugly therein and having a seat formed in the said one end thereof, a ring disposed in the opposite end of the housing from the said one end of the



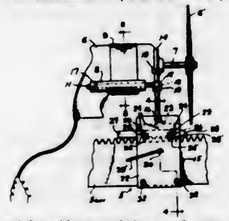
mandrel, said last mentioned ring having a seat directed toward the seat in the mandrel, a tubular wiper member of resilient material interposed between the said one end of the mandrel and said last mentioned ring and having its ends formed to engage the adjacent seats, means for contracting the wiper around a wire line passing through the same, and a cap closing the said open end of the housing.

2,600,849
SIMULATED CRANE AMUSEMENT DEVICE
Edward J. Collins, Los Angeles, Calif., and Robert H. Breither, Mount Prospect, and Donald Pearl, Chicago, Ill., assignors to Raymond T. Moloney
Application August 20, 1948, Serial No. 45,334
14 Claims. (Cl. 212—21)



2. Amusement and skill apparatus comprising a crane and means mounting the same for forward and traverse motion, motor means movable with the crane and drive mechanism cooperable therewith for effecting the aforesaid crane motion, a cycling and control circuit and player-operated controls therein for separately effecting and arresting forward motion of the crane from a normal starting position and for effecting desired traverse motion, a grab claw on the crane, a winch and reverse mechanism therefor on the crane for lowering and hoisting of said claw responsive to arrest of the crane in traverse motion following forward motion, circuit means and instrumentalities for opening and closing said claw during each cycle of lowering and hoisting as aforesaid, and for opening said claw responsive to movement of the crane into said normal starting position to discharge articles seized thereby, together with circuit means cooperable with said control circuit for restoring said crane to said normal starting position following each player-initiated movement thereof away from said position.

2,600,850
PORTABLE ELECTRIC SAW SHARPENER
Melvin Collis, Klamath Falls, Oreg.
Application February 7, 1949, Serial No. 74,959
4 Claims. (Cl. 76—40)



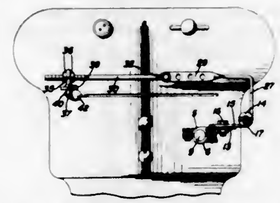
1. The combination with a clamp straddling a portion of the toothed edge of a saw, a brass bar adjustably connected to the clamp and bearing on the outer edges of the teeth of the saw, a bill formed on one end of the brass bar and overlying the outer end of a tooth of the saw, a saw engaging lever threaded through the clamp with its end bearing against the saw adjacent the base of the teeth thereof, clamp bolts threaded in the clamp adjacent its opposite corners with their inner ends bearing against the saw, lock nuts securing the jam nuts in locked position relative to the clamp, a standard pivotally mounted on the upper end of the clamp, a bearing collar adjustably disposed on the standard, a rod slidably and rotatably resting on said bearing, a sleeve slidably mounted on said rod, a collar secured to the outer end of the rod, an electric motor including a rotary disc sharpener, a band formed on said sleeve and surrounding the motor, means securing said band around the motor, a dial secured on the aforesaid bearing and having graduations thereon registering with a mark on the standard, and an adjustable collar secured to the standard a predetermined distance from said rod.

2,600,851
HOSIERY
Gilbert N. Cooper, Wyncote, Pa.
Application July 2, 1951, Serial No. 234,694
10 Claims. (Cl. 66—182)



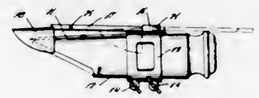
1. As a new article of manufacture, a knitted stocking having a reinforced area knitted throughout of a yarn of which adjoining linear segments are of different contrasting colors, each linear segment of the yarn being of a length only sufficient to knit a course-wise series of loops less in number than the minimum number of wales included in said area.

2,600,852
CONTROL HANDLE FOR OUTBOARD MOTORS
Carl A. Coots, Waverly, N. Y.
Application February 7, 1950, Serial No. 142,750
1 Claim. (Cl. 74—471)



A control handle for outboard motors comprising a pair of opposite plates clampingly engaging the steering handle of the motor, attaching means carried by the engine throttle, a sleeve pivoted on one of the clamping plates for swinging adjustment thereon, a rod rotatably mounted in the sleeve and having a hand grip at one end, means holding the rod from endwise movement in the sleeve to swing the steering handle from side to side by a similar movement of the rod, and means connecting the other end of the rod to the attaching means to open and close the engine throttle by a rotary movement of the rod, said last-named means comprising a right angled crank arm fast on the rod and extending upwardly therefrom and across said steering handle, and a link connecting the crank arm to the attaching means.

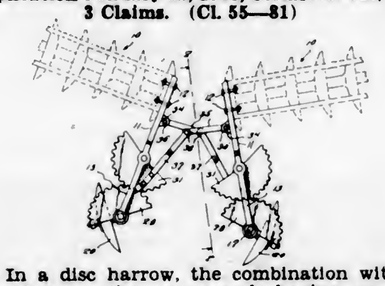
2,600,853
SLIDE CAP
George Crescenzi, Brooklyn, N. Y.
Application October 21, 1949, Serial No. 122,708
2 Claims. (Cl. 84—383)



2. In a musical instrument of the type having a mouthpiece, a reed, and a ligature clampingly securing the reed to the mouthpiece, a support member secured to said ligature, said support member being formed with a longitudinal bottom groove facing the ligature, a bar member slidably positioned in said groove and extending parallel above said mouthpiece, an arcuately curved shield member secured to the forward end of said bar member and arranged so as to cover the ends of the reed and mouthpiece when the bar member

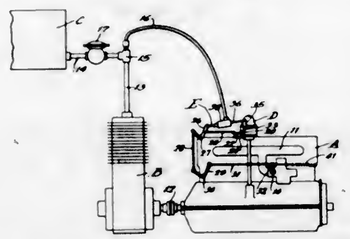
is in a forwardly extended position with respect to the support member, a transversely extending pin slidably carried by the support member and projecting into said groove to engage the bar member, and spring means biasing the pin inwardly, the bar member being formed in its side adjoining the pin with longitudinally spaced recesses arranged to lockingly receive the inner end of the pin and lock the bar member in extended and retracted positions.

2,600,854
LEVELER ATTACHMENT FOR DISK HARROWS
Alvin C. Cross, Lamar, Nebr.
Application January 22, 1946, Serial No. 642,703
3 Claims. (Cl. 55—81)



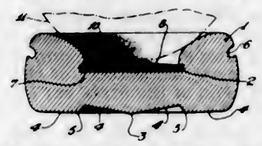
1. In a disc harrow, the combination with a pair of supporting arms each having an end adapted to be attached to the frames of said harrow, of a furrow leveler mounted on said arms and carried by the latter, said leveler comprising a vertically-disposed shank extending through the other end of each of said arms and rotatably carried thereby, a leveler disc arranged adjacent each of the lower ends of said shanks and operatively connected thereto for rotation about a horizontal axis, and means for rotating said shank, said means embodying a first semi-circular gear non-rotatably carried by each of said shanks, a second semi-circular gear rotatably mounted on each of said arms, said first and second-named gears being arranged in meshing engagement, and cross-linkage connecting said second gears to said arms and controlling the directions of the leveler discs in accordance with the angle between the supporting arms.

2,600,855
GOVERNOR-CONTROLLED COMPRESSOR AND THE LIKE
Joseph S. Dale, Rockford, Ill.
Application March 18, 1946, Serial No. 655,087
4 Claims. (Cl. 230—8)



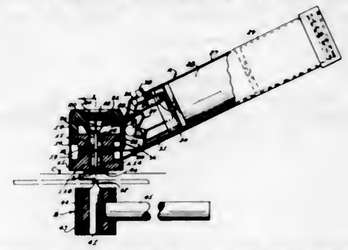
1. In combination, a prime mover provided with a speed-varying lever, an air compressor driven thereby, a pressure tank, conduit means including an unloading valve coupling the compressor to the tank, a hydraulic governor coupled to the prime mover and provided with a speed-setting member and a control shaft for regulating the speed of the prime mover, linkage coupling the control shaft to the speed-varying lever of the prime mover, connecting linkage coupling said first-mentioned linkage to the speed-setting member operative to change the speed setting of the governor when the first-mentioned linkage is moved, said connecting linkage being provided with an expansible coupling whereby its over-all length can be varied, and a second conduit means connected to the output of said compressor and operative to vary the length of said connecting linkage responsively to the pressure generated by said compressor.

2,600,856
SHUFFLEBOARD WEIGHT
Carmine Decepoli, Belleville, N. J.
Application October 18, 1949, Serial No. 122,101
5 Claims. (Cl. 273—128)



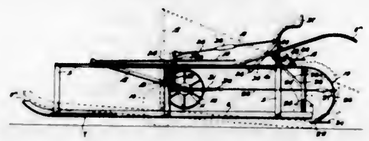
1. A weight for a shuffleboard or the like comprising a discoid body member having a conical bottom with its apex projecting downward therefrom in the vertical axis of the body member and an annular ridge between the apex and the periphery of the conical bottom concentric with such apex lying in a plane that is located normal to such vertical axis a minute distance upwards from the said apex.

2,600,857
DRILL HOLE LOCATING APPARATUS
Gayle F. De La Mater, San Diego, Calif.
Application December 2, 1949, Serial No. 130,825
6 Claims. (Cl. 175—183)



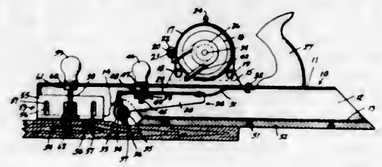
1. Drill hole locating apparatus comprising an electro-magnet having a bore therein, a needle disposed in said bore and pivotally supported substantially at its mid length location in the magnetic field of said electro-magnet, a crystal supported at a location spaced from one end of the bore in said electro-magnet and having an indicating dot thereon, a pointer extending from said needle substantially to the adjacent surface of said crystal and cooperating with said dot to indicate the position of said needle relative to said bore, a battery case secured to said electro-magnet, a lamp bulb carried by said battery case for illuminating said crystal and said pointer, a battery in said case, and conductor means providing an energizing circuit from said battery to said electro-magnet and said lamp bulb.

2,600,858
CROSSROW CULTIVATOR
Jacob A. Deville, Marksville, La.
Application October 29, 1948, Serial No. 57,265
17 Claims. (Cl. 97—23)



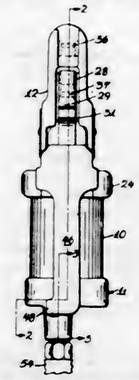
10. A cultivator comprising an elevated frame, a single transverse row of semicircular hoe carrying arms pivotally connected at the rear of the frame, a transverse rock shaft carried by the frame intermediate the ends of the frame, a series of downwardly projecting levers carried by said rock shaft, a corresponding series of horizontally disposed means resiliently connecting said levers with said arcuate arms intermediate their ends, and means for actuating said rock shaft.

2,600,859
HAND ELECTRIC PLANE
Robert Drysdale, Sunnyvale, Calif.
Application June 22, 1948, Serial No. 34,482
2 Claims. (Cl. 145—5)



1. A power driven hand plane, comprising a longitudinal frame having a base wall and vertical side walls extending upwardly from said base wall and extending forwardly with respect to the forward edge of said base wall to provide an opening in the lower side of said frame forwardly of said base wall, said side walls having transversely aligned openings extending upwardly from their lower edges forwardly of and adjacent the forward edge of said base wall, a blade carrier mounted in said frame having vertical side walls engaged interiorly with said frame side walls rearwardly of said transversely aligned openings and extending forwardly over said openings, means cooperatively connected between said frame and said blade carrier operable to raise and lower said blade carrier, a transverse blade carrying shaft rotatably mounted in said blade carrier side walls and having at least one of its ends extended through one of the said transversely aligned openings, power driven means carried by said frame and operably connected to said extended shaft end, a blade carried by said shaft and disposed entirely between the vertical planes of said blade carrier side walls, a gauge shoe mounted in said frame forwardly of said shaft having a horizontal work engaging base wall and vertical side walls engaged interiorly with said frame side walls, means cooperatively connected between said frame member and said shoe operable to raise and lower said shoe with respect to said frame member, and fastening means cooperatively connected between said frame member and said shoe adapted to rigidly fix the position of adjustment of said shoe.

2,600,860
FLUID PRESSURE OPERATED PORTABLE COMPRESSING TOOL
Henry P. Dupre, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application June 7, 1949, Serial No. 97,635
4 Claims. (Cl. 81—15)



1. A fluid operated compressing tool comprising a body member having a tube with two end walls and a jaw member fixedly mounted thereto, a jaw member movably mounted to the body member, a piston operable within said tube having a hollow camming section projecting outside and beyond one end wall of the tube to actuate the movable jaw toward said fixed jaw member when fluid pressure is admitted to the tube and hollow camming section, and resilient means under tension, one end of which is secured within the tube to the other end wall thereof and attached to the outermost end of the hollow camming section of the piston to return the piston to a retracted position when the fluid pressure is vented from the tube, said piston being hollow along its longitudinal axis into which the resilient means is positioned.

2,600,861
MATURING COTTON
Kenneth L. Englund, Los Altos, Calif., assignor to Stauffer Chemical Company, a corporation of California
No Drawing. Application December 28, 1949, Serial No. 135,527
2 Claims. (Cl. 71—2.7)

2. A method for maturing cotton to cause the shedding of the leaves and the uniform opening of cotton bolls which includes the step of applying to the foliage of the cotton, after the crop has been made, an alkali metal, saturated alkyl xanthate having from one to two carbon atoms in the alkyl group, the concentration and the amount of the latter being such as to exert a herbicidal action on the cotton leaf and not on the plant stems.

2,600,862
INFLATION VALVE
Frank Fenton, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application June 11, 1947, Serial No. 753,911
9 Claims. (Cl. 273—65)

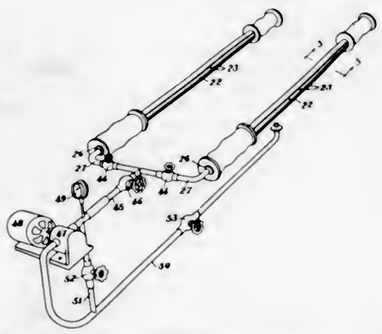
1. In an article having an inflation opening, a housing attached to the inner wall of the article

at the inflation opening, said housing having a through passage leading from the inflation opening to the interior of the article, said passage comprising inner and outer chambers in alignment, each chamber being provided with an overhanging rim, and a removable valve member comprising a flexible rubber tube and an en-



larged head on the inner end of the tube engaged beneath the rim about the inner chamber when the valve member is in position with a portion of the tube projecting substantially outwardly of the article, the rim about the outer chamber being adapted to retain the projecting portion of the tube in twisted condition below the periphery of the article.

2,600,863
APPARATUS FOR EFFECTING LIQUID PENETRATION OF FABRICS
Robert Desider Louis Frederick, Essendon, near Melbourne, Victoria, Australia
Application December 24, 1949, Serial No. 134,946
6 Claims. (Cl. 68—18)



1. In apparatus for effecting the liquid penetration of fabric the combination with a conduit formed with a longitudinally arranged opening through which liquid is adapted to be drawn suctionally through a length of fabric into the conduit, of a fixture secured to the exterior surface adjacent one end of the conduit, a slidable member consisting of a face plate and an angled member secured thereto, each of the face plate and the angled member having an opening of such size and shape that the slidable member is adapted to move freely upon the surface of the conduit without permitting a ready flow of liquid past the inner peripheries thereof, a collapsible bellows member fastened at its opposite ends to the fixture and to the slidable member, and a helical compression spring within the collapsible bellows member having its opposite ends pressing upon the fixture and the slidable member, the spring being adapted to balance the suctional pressure within the bellows member and being adapted to permit the slidable member to move so as to adjust the effective length of the opening in the conduit according to the width of the fabric being treated.

2,600,864
FOOT SUPPORT
Ward M. Fuller, Sandusky, Ohio
Application May 20, 1950, Serial No. 163,183
1 Claim. (Cl. 36—71)



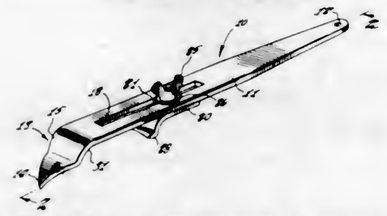
A cushion support for the foot designed to be arranged interiorly of a shoe, comprising a soft cushioning body portion conforming generally to the configuration of the shank and heel portion of the shoe insole, a lower soft flexible ply covering the lower face of the body portion, an upper soft flexible ply covering the upper face of the body portion, and a line of fastening extending from the rear end portion through the body portion and plies longitudinally between the side edges thereof and terminating in spaced relation from the front end, said line of fastening being disposed closer to the inner side of the body portion than to the outer side, and an arcuate line of fastening extending from the front end and extending through the body portion and plies and forming a junction with the said first line of fastening, said arcuate line of fastening being spaced from the edges of said support, thereby to provide between the upper ply and body portion a semi oval shaped pocket opening at the front edge for reception of a supporting pad, and elongate pockets on each side extending from the arcuate line of fastening to the rear end of the body portion for the reception of supporting pads and with the pocket on the outer side being of greater depth than the pocket on the inner side.

2,600,865
LAND MEASURING INSTRUMENT
Ebenhard S. Gandrud, Owatonna, Minn.
Application September 22, 1950, Serial No. 186,161
5 Claims. (Cl. 33—141)



1. A land-measuring instrument comprising a ground-engaging measuring wheel, wheel guiding and impelling means including a shank portion and laterally spaced hand grip portions, means journalling said wheel to said shank portion for free rotation with respect thereto about an axis extending transversely thereof, and a counter mechanism and a cooperating counter actuator one operatively associated with said wheel and one with said shank, said hand grip portions being so disposed with respect to the axis of rotation of said wheel that a plane extending through the midpoints of said hand grip portions and the center of said wheel will be angularly disposed with respect to said wheel axis, whereby, when said shank portion is in its normal position extending generally in the direction of the path of travel of said wheel, with said hand grip portions at a substantially common level, the plane of said wheel will be disposed at an oblique angle to the vertical and said counter mechanism will be situated adjacent the uppermost side of said wheel.

2,600,866
CONTAINER OPENER
Cornelius Gaasbeck, Brooklyn, N. Y.
Application May 18, 1950, Serial No. 162,710
7 Claims. (Cl. 30—16)

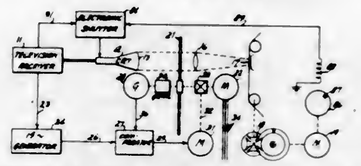


1. An implement of the class described comprising an elongated flat body having the forward end thereof deformed and extending downward at an angle to the plane of the body, said deformed end tapering toward its extremity thereby providing a nose at the extremity of said deformed end, said body having a longitudinal slot therethrough extending partway of the length of the body from a point rearward of said deformed end, a carriage slidably mounted on said body and having a block thereon registering slidably in said slot, releasable means for locking said block and hence said carriage at any longitudinal position within the range of said slot, said carriage having an extension thereon extending downward from the plane of said body, said extension having the extremity thereof extending forward approximately parallel with said plane.

2,600,867
METHOD OF SEPARATING SHELLS AND MEAT OF SHELLFISH
Dirk Jan Gerritsen, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 15, 1946, Serial No. 648,027
In the Netherlands June 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 12, 1963
7 Claims. (Cl. 241—14)

7. A method of separating undesired soft meat portions of shell-fish from desired hard meat portions thereof, which comprises the steps of crushing the shell-fish at a pressure at which only the shell and soft meat portions are disintegrated while the hard meat portions are left substantially whole, mixing the crushed shell-fish with water, stirring the crushed shell-fish in the water to effect further disintegration of the soft meat portions while precipitating coarser shell particles, decanting the water containing the meat portions to separate the coarser shell portions from the meat, separating the whole hard meat portions from the disintegrated soft meat portions by the disparity in the rapidity of settlement of the respective meat portions in the water, and separating remaining hard meat portions with coarse shell particles by dissolving the meat portions in a heated alkaline liquid.

2,600,868
COLOR TELEVISION RECORDING APPARATUS
Everett B. Hales, Mount Kisco, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application June 29, 1950, Serial No. 171,149
12 Claims. (Cl. 178—5.4)

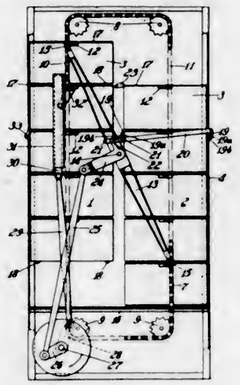


12. Color television recording apparatus comprising, a television receiver including a cathode ray tube on the screen of which are displayed successive light image fields each representative of one of the three basic colors in response to a received television signal composed of synchronizing signals and picture signals in the form of successive fields each representative of one of said basic colors, an intermittent mechanism, a lenticular film strip associated therewith and periodically advanced thereby, a lens system positioned to project the light images displayed on said cathode ray tube screen on said lenticular film strip, a rotating disc positioned between said cathode ray tube screen and said lens system, said disc being provided with at least three apertures formed concentric with the axis thereof, each extending for a distance of slightly less than one third the circumference and each being positioned at a different radial distance from the axis of the disc, means operative in accordance with received television synchronizing signals for controlling the rotational speed of said disc so that each of said light image fields representative of a different color is projected through a different area of said disc and different area of said lens system, means operative by said intermittent mechanism for initiating the illumination of said cathode ray tube screen and means operative by the received horizontal synchronizing signals for terminating illumination of said cathode ray tube screen after such number of said synchronizing signals have been received as to constitute three successive television fields representative of the three basic colors.

2,600,869
TRANSPORTING AND/OR STORING OF GOODS AND THE LIKE
John Maxwell Harkness, Eltham, and George Kettelwell Harkness, Bexley, England, assignors to Eugene O'Sullivan, Chislehurst, England
Application May 27, 1948, Serial No. 29,546
In Great Britain April 11, 1947
8 Claims. (Cl. 214—16.1)

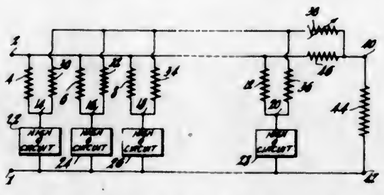
1. In a conveyor for raising and lowering containers, the combination of a casing; four sprocket wheels journaled in said casing; a sprocket chain mounted on said wheels, said wheels being so disposed that they define a substantially rectangular path of travel of said chain, having a vertical ascending lap, a vertical descending lap, said laps being relatively spaced, an upper horizontal lap and a lower horizontal lap, said horizontal laps being intermediate said vertical laps at their upper and lower ends at the top and the bottom of the casing, respectively; a plurality of containers, each having supporting rollers on its bottom and guide tracks on its top, and a pair of pins adapted to engage

said vertical laps of said chain, respectively; guide rails mounted in said casing adjacent the lower ends of said vertical laps of said chain; means for intermittently moving said chain, for raising and lowering said containers, each movement of said chain bringing an ascending container and a descending container into horizontal alignment upon stoppage of the chain; and



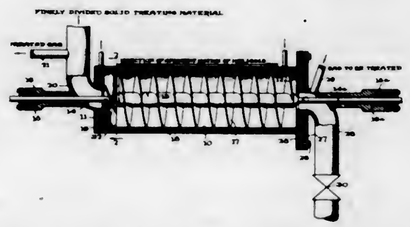
means operative when the chain has been stopped for moving each container horizontally, when a container has been lowered to the bottom of the casing, on the casing rails from the descending to the ascending lap of the chain, and, when a container has been raised to the top of the casing, on the rails of a pair of its immediately inferior horizontally aligned containers from the ascending to the descending lap of the chain.

2,600,870
SYNTHETIC REVERBERATION SYSTEM
Jarrett L. Hathaway, Manhasset, and Joseph G. Petit, Port Jefferson, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application February 20, 1947, Serial No. 729,774
12 Claims. (Cl. 178—44)



6. A wave train system for synthesizing reverberations including a pair of terminals to which wave energy occurring within a band of frequencies is to be applied and a pair of output terminals, a number of elements resonant to frequencies within said band coupled to said input terminals, said resonant elements being dormant until excited by said applied wave energy and having a high figure of merit at which when excited into oscillation said oscillations decay over a relatively long period of time, means for coupling said input terminals directly to said output terminals, means for coupling said resonant elements also to said output terminals to deliver thereat energy from each of said resonant elements in the same polarity as that from said direct coupling, and means for varying the proportions of said direct coupling and said coupling through said resonant elements to said output terminals.

2,600,871
CONTINUOUS CONVEYER-REACTOR CHAMBER
Ralph W. Helwig, Verona, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application June 27, 1949, Serial No. 101,593
8 Claims. (Cl. 23—285)

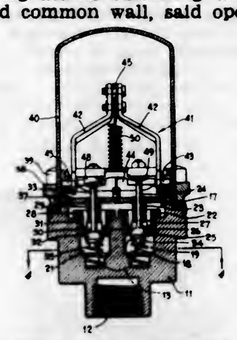


1. Apparatus for effecting a chemical reaction wherein a fluid is treated with a solid particulate treating agent, comprising: a closed cylindrical shell; a helicoid coaxially disposed within said shell and attached at its periphery to the inner wall of said shell; means for rotating said shell and helicoid as a unit about their common principal axes; inlet means for introducing said treating agent at one end of said shell, said inlet means being so positioned with respect to the helicoid that upon rotation of said shell and helicoid, the helicoid will have an apparent longitudinal movement along its principal axis toward said inlet means; outlet means for withdrawing treating agent disposed at the opposite end of said shell from said inlet means; means for introducing fluid at one end of said shell and for withdrawing treated fluid at the other end; and a shield member mounted within said shell between said inlet means and said helicoid, with at least a portion of said shield member lying above the axis of rotation of said helicoid and having a width substantially coextensive with the diameter of said inlet means, said shield member preventing the particulate treating agent lying within said shell from rolling across the inlet means and blocking the passage of more particulate treating agent into said shell.

2,600,872
FLUID CONTROL VALVE
Harvey E. Henriksen, Glendale, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application March 31, 1945, Serial No. 585,948
6 Claims. (Cl. 277—21)

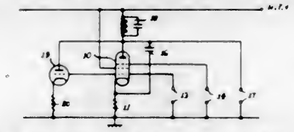
1. In a fluid control valve: a casing having a plurality of individual passages and a common passage, all for conducting fluid with respect to the valve; means in said casing forming a distribution chamber in communication with said common passage; individual closure means for controlling communication between said distribution chamber and said individual passages; means forming another chamber at the exterior of the casing separated from said distribution chamber by a common wall; and means in said other chamber for operating said closure means

and including means extending through openings in said common wall, said openings being



such as to permit gradual equalization of pressure between the chambers.

2,600,873
BALANCED MODULATOR
Dennis Godson Holloway, Taplow, England, assignor to British Telecommunications Research Limited, Taplow, England, a company of Great Britain
Application October 23, 1950, Serial No. 191,531
In Great Britain November 4, 1949
2 Claims. (Cl. 332—43)



1. A balanced modulator comprising an electron discharge device having a cathode, a primary collector electrode, a secondary collector electrode, a control electrode to control the total current flowing to the two said collector electrodes, and means to control the division of said total current between the said collector electrodes, a carrier oscillation input terminal connected to said control electrode, a modulating voltage input terminal connected to said means, a first load impedance element connected to said primary collector electrode, a second load impedance element connected to said cathode, a second electron discharge device having an anode, a cathode and at least one control electrode, a connection between the cathodes, and a connection between the control electrodes of said discharge devices, a connection between the primary collector electrode of the first-named electron dicharge device and the anode of said second electron discharge device, a capacitor of substantially zero reactance at the frequency of said carrier oscillations connected between the cathode and primary collector electrode of the first-named electron discharge device, and an output terminal connected to the primary collector electrode of the first-named electron discharge device.

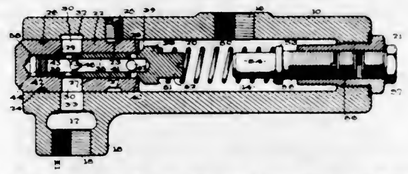
2,600,874
ADJUSTABLE CHOKE MEANS FOR SHOTGUNS
William J. Hoza, Hartford, Conn.
Application June 7, 1947, Serial No. 753,167
14 Claims. (Cl. 42—79)

1. A firearm comprising a barrel, recoil mechanism, means for changing the bore at the muzzle of said barrel to thereby vary the amount of choke at said muzzle, a forestock enclosing said recoil mechanism and movable relatively to said barrel, and mechanism contained within



said forestock and controlled by the movement thereof relatively to the barrel for selectively operating said bore changing means to provide different degrees of choke at said muzzle.

2,600,875
SILENT RELIEF VALVE FOR HYDRAULIC SYSTEMS
Edward J. Hrdlicka, Jr., Painesville, Ohio, assignor to Hydraulic Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application December 6, 1946, Serial No. 714,585
4 Claims. (Cl. 137—53)

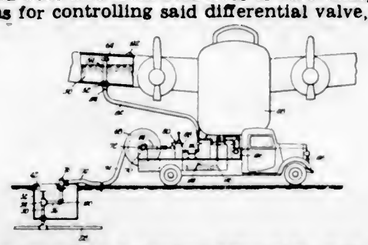


1. A silent relief valve for hydraulic systems comprising in combination, a housing having an inlet chamber and a discharge chamber; a partition separating said chambers and having a deep bore open at one end to the discharge chamber and closed at the opposite end; a passage from the inlet chamber intersecting said bore remote from its ends; a plunger having a cylindrical stem with an easy sliding fit in said bore throughout substantially all of the bore length, and a head having a conical undersurface adapted to seat at the discharge end of the bore; a spring biasing said plunger to seat said head, said stem having a longitudinal bore closed at both ends, a radial port from said stem bore through the wall thereof for continuous cooperation with said passage and a radial discharge port through the stem wall sufficiently below the head to remain covered by the bore wall during initial opening movement of the plunger head.

2,600,876
AIRPORT FUELING MECHANISM
Robert J. Jauch, Fort Wayne, Sherwood Hinds, Columbia City, and Frederick W. Sturm, Fort Wayne, Ind., assignors to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application May 14, 1945, Serial No. 593,558
9 Claims. (Cl. 222—23)

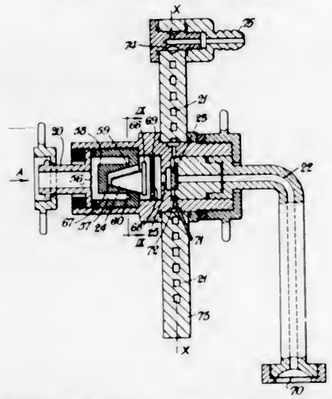
7. In liquid dispensing apparatus, the combination of a flow line adapted to be connected to a source of liquid supply, a meter the inlet side of which is connected to said flow line, a check valve opening away from said meter connected to the outlet of said meter, a differential valve having an inlet connected to the outlet of said check valve, a dispensing hose connected to the outlet of said differential valve, a tank for receiving liquid from said hose whereby said hose is evacuated, a valve interposed between said hose and differential valve for controlling flow

to said hose and from said hose to said tank, and means for controlling said differential valve, said



means including a control associated with said tank and affected by the liquid content of said tank.

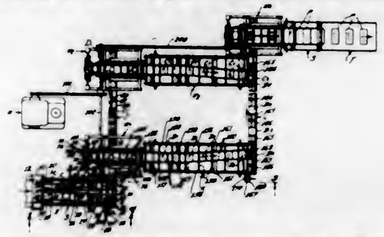
2,600,877
DEVICE FOR MIXING FLUIDS
John Henry Jeffree, Cobham, England
Application September 29, 1949, Serial No. 118,501
In Great Britain June 9, 1948
7 Claims. (Cl. 299—84)



1. Apparatus for mixing two liquids in predetermined proportions, comprising a main pipe through which may be passed a moving stream of one of the liquids to be mixed, a branch pipe through which may be passed the other liquid, joining the main pipe and forming with it a junction which divides the main pipe into inlet and outlet pipes, an interrupter mounted for rotation in the inlet pipe in such manner that it may be rotated by the liquid passing through the main pipe and serving periodically to block the main pipe so as to divide the liquid passing therethrough into two columns, one of which is stopped and the other of which can continue along the outlet pipe under its own inertia, and a one-way valve in the branch pipe, the arrangement being such that each time the one liquid is broken into two columns a suction effect is produced at the junction sufficient to open the valve and draw a quantity of the other liquid into the main pipe.

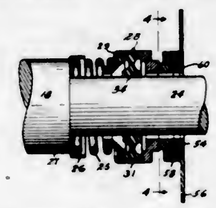
2,600,878
LOAF WRAPPING MACHINE
Thormod Jensen, Laurelton, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application June 9, 1945, Serial No. 598,428
5 Claims. (Cl. 53—67)

1. An apparatus for assembling pairs of wrapped half-loaves in end-to-end relationship for wrapping in a common wrapper, comprising an intermittently moving conveyor adapted to advance assembled pairs of wrapped half-loaves endwise into a wrapping machine; and a pair of conveying devices operating to advance sidewise and deliver pairs of wrapped half-loaves to said conveyor, said conveyor including pairs of opposed flights, each pair of flights being spaced sufficiently to admit a pair of half-loaves there-



between from said conveying devices, said flights being so arranged that when said conveyor dwells one pair of flights will be disposed adjacent one of said conveying devices to receive a wrapped half-loaf therebetween while another pair of flights is disposed adjacent the other of said conveying devices to receive a wrapped half-loaf from the other of said conveying devices whereby pairs of half-loaves will be assembled in end-to-end relationship between pairs of flights on said conveyor for delivery to a wrapping machine.

2,600,879
SHAFT SEAL
Arvid E. Karlberg, Chicago, Ill.
Application December 17, 1949, Serial No. 133,502
2 Claims. (Cl. 286—11)



1. A seal assembly for preventing flow of fluid along the surface of a horizontally disposed cylindrical shaft, comprising a cylindrically shaped housing having an enlarged bore therein and adapted to loosely encircle said shaft, said housing having a reduced annular end nose provided with a seal face extending therefrom and adapted to bear axially against an annular surface about said shaft, a resilient collar member mounted in the bore of said housing, on a central axis transverse to said shaft, said collar member being of generally cylindrical shape and defined by radially spaced concentric ledges, said ledges having side faces, said side faces being on both sides of the central axis of said collar member and in the same vertical plane and a wall between said side faces connecting said concentric ledges, said wall being formed by inwardly dished annular surfaces symmetrically arranged on each side of said central axis, said outer ledge frictionally engaging the inner surface of the bore of said housing and said inner ledge having a bore therethrough of a size smaller than said shaft whereby the seal assembly may be mounted on said shaft, a backing plate having an axial bore for said shaft and a peripheral ledge adapted to bear against the side of said outer concentric ledge of said collar member, said backing plate forming the end wall of said housing member and spring means bearing against said backing plate for holding the end nose of said seal assembly against an annular surface in a sealing position.

2,600,880
ATTACHMENT FOR SAFETY RAZORS
John D. Karle, Roselle Park, N. J.
Application April 13, 1950, Serial No. 155,594
5 Claims. (Cl. 30—41)

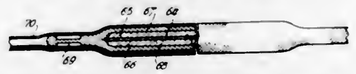


1. A moisture-retaining device for a safety razor having a sharpened blade, comprising a moisture-retaining pad, a frame to which said pad is secured, and mounting means for securing said device to said razor, said mounting means including a spring-clip and a retaining lip both extending from said frame.

2,600,881
PURIFICATION OF TITANIUM TETRACHLORIDE
William Lewis Kay and Christian Edward Rick, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1950, Serial No. 175,294
4 Claims. (Cl. 202—57)

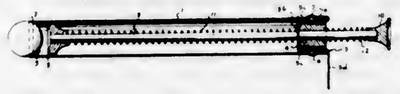
1. A process for the removal of aluminum chloride in solution with liquid titanium tetrachloride which comprises mixing with said liquid an amount of water sufficient only to react with the active aluminum chloride to be removed therefrom, and then separating the titanium tetrachloride from the resulting aluminum chloride complex.

2,600,882
CATAMENIAL BANDAGE AND ABSORPTION CONTROL ELEMENT THEREFOR
William R. Kellett, Menasha, and Louis G. Veler, Neenah, Wis., assignors to International Cellucotton Products Company, a corporation of Delaware
Application April 4, 1946, Serial No. 659,542
3 Claims. (Cl. 128—290)



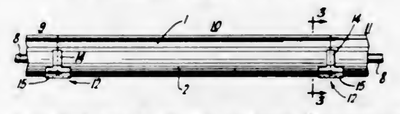
1. A catamenial napkin pad comprising a layer of fiber-like pieces of material which are externally waterproof and haphazardly arranged so as to form a labyrinthic mass of interstices which constitute waterproof-walled tortuous passageways through said layer, said passageways having the capacity to normally resist the entrance of fluid into said passageways and to permit such entrance when a substantial quantity of fluid is applied against the pad and the layer is subjected to undulating pressure such as normally occurs in the pad due to body movements under normal conditions of use of the napkin.

2,600,883
PLUNGER GUIDE FOR MARBLE SHOOTERS
Frederick H. King, Detroit, Mich.
Application December 23, 1947, Serial No. 793,353
4 Claims. (Cl. 124—30)



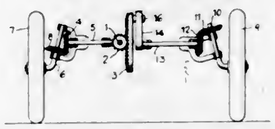
2. In a ball or marble shooter, the combination with a hollow cylinder having a front or outlet end and a rear end, of a plug fixedly inserted in said rear end, and an element formed of sheet material having a portion seating the inner end of the plug and having arms extending rearwardly at opposite sides of the plug, and means securing each of said arms to the cylinder.

2,600,884
FIXTURE REFLECTOR ALIGNER
Ronald E. Kingston, Ipswich, and Robert G. Marchisio, Wenham, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application July 14, 1950, Serial No. 173,802
1 Claim. (Cl. 240—51.11)



In combination, a pair of lighting fixtures having curved reflectors disposed in end-to-end abutting relationship, each of said reflectors having a channel cut therein in the upper transverse abutting edges and at the ends thereof; and a latch attached to said pair of abutting fixtures, said latch comprising a first strap bent to conform substantially to the contour of said reflectors and having a hook formed at each end thereof, the hook at one end being seated in the channels in the upper transverse abutting edges of the abutting reflectors, a second strap of resilient material bent to substantially arcuate shape and having a hook formed at each end thereof, the hook on one end engaging the lower longitudinal peripheral edges of the abutting reflectors, and a looped wire pivotally connecting said straps to one another through the hooks formed in the adjacent ends thereof.

2,600,885
STEERING GEAR FOR MOTOR VEHICLES
Josef Köpfli, Wil, Switzerland
Application July 23, 1949, Serial No. 106,368
In Switzerland August 3, 1948
3 Claims. (Cl. 280—96)



1. In a motor vehicle having two dirigible wheels: steering means comprising a steering shaft, a speed reducing gear having a high speed tooth wheel connected with and rotated by said shaft, a slow speed tooth wheel driven by said

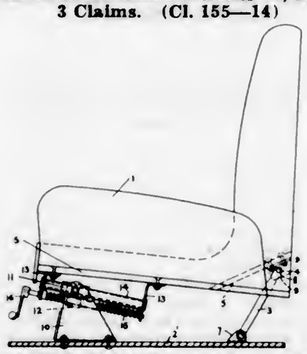
high speed wheel, connection means interconnecting said slow speed wheel and one of said dirigible wheels for changing its position in fixed relation to the speed and direction of rotation of said steering shaft, said connecting means comprising a drive shaft coaxially connected with and driven by said slow speed wheel; means for changing the position of the other of said dirigible wheels, said last mentioned means comprising a shaft disposed substantially parallel to and eccentrically of said drive shaft, a crank arm extending at a substantially right angle from said last mentioned shaft, and a pin extending from said slow speed wheel substantially parallel to its rotation axis and slidably engaging said crank arm for rotating said last mentioned shaft by said slow speed wheel at a speed which changes according to the direction and amount of rotation of said slow speed wheel.

2,600,886

CHAIR OR SEAT

Reginald John Korner, Bradford, England, assignor of one-half to Jowett Cars Limited, Bradford, England, a British company

Application May 15, 1946, Serial No. 669,915
In Great Britain December 18, 1945
3 Claims. (Cl. 155—14)



1. An adjustable seat, comprising a base member, a seat frame, and means for supporting said frame for movement in horizontal and vertical planes on said base member, said supporting means comprising a pair of triangular link members each pivoted at its apex to the seat frame at the rear thereof and having its base pivoted on the base member in crosswise relation to the seat frame, the side forming the hypotenuse of each of said triangular links serving to resist lateral movement of the seat frame, and a front supporting member secured to said seat frame centrally of the width thereof, said front supporting member being pivotally secured to said base member, and means carried by said front supporting member for controlling the movements of the seat frame on its supports, said controlling means including a manually operable screw carried by the seat frame and a nut threaded on said screw and pivotally supported on the base member.

2,600,887

ELECTRIC HOIST

Joseph P. Lannen, Detroit, Mich., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich., a partnership

Application August 7, 1948, Serial No. 43,063
4 Claims. (Cl. 254—135)

1. In an electric hoist, an electric motor, a sprocket wheel, a speed-reducing drive from the motor to the sprocket wheel, a load-engaging element, a lifting chain carried on the sprocket wheel and supporting said element, a control switch carried by the chain in proximity to said



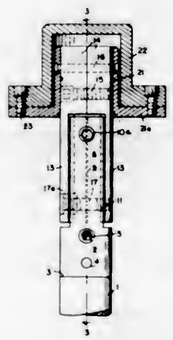
element, and a control circuit for the motor including flexible conductors extending from the switch along the face of the chain which is outermost from the sprocket wheel, in passing over such wheel.

2,600,888

BALANCE TESTING MACHINE

Robert J. Lannen, Detroit, Mich., assignor to Micro-Poise Engineering and Sales Company, Detroit, Mich., a partnership

Application January 12, 1951, Serial No. 205,767
8 Claims. (Cl. 248—177)



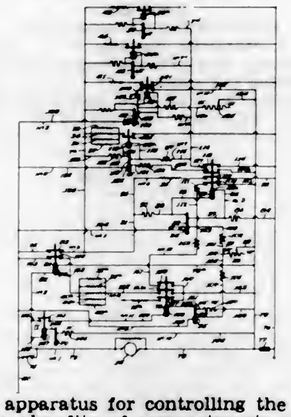
1. In a balance testing machine, the combination with a support including a pair of upwardly projecting, substantially parallel, spaced arms, of an upper pair of coacting clamping jaws fixed on the upper end portions of said arms, an elongated flexible pivot element clamped between and downwardly extending from said jaws, a lower pair of jaws clamped upon said pivot element in downwardly spaced relation to the upper pair of jaws, a load-receiving member, and a pair of substantially parallel arms downwardly projecting from said member and spaced apart transversely to the spacing of the upwardly projecting arms, and rigidly mounting the lower pair of jaws.

2,600,889

RAILWAY CAR TEMPERATURE CONTROL SYSTEM

Timothy J. Lehane, North Riverside, Ill., assignor to Vapor Heating Corporation, Chicago, Ill., a corporation of Delaware

Application January 5, 1950, Serial No. 136,988
5 Claims. (Cl. 257—3)



1. An apparatus for controlling the temperature of a plurality of compartments comprising an air heater and an air cooler selectively operable for delivering tempered air into said compartments, means defining a passage to receive the tempered air discharged from said compartments, means including a thermostat responsive to a predetermined temperature of the tempered air withdrawn from all of said compartments for controlling the effectiveness of said air heater, means including a cooler control thermostat responsive to said predetermined temperature of said air discharged from said compartments for controlling the effectiveness of said air cooler, means for simultaneously adjusting the normal temperature settings of the air heater and said air cooler thermostats to function at the same temperature and comprising separate electrical heaters for said thermostats, a variable resistor and energizing circuit means for both of said electrical heaters connected through said variable resistor, a cooler control relay, an energizing circuit therefor connected through said cooler control thermostat, whereby said air cooler is made effective when the cooler control thermostat functions and takes control of the system, a second relay having a moveable contact in the energizing circuit for said cooler control relay and cooperating with said cooler control thermostat to close the said energizing circuit for the cooler control relay, an energizing circuit for said second relay, and an outside thermostat interposed in the last mentioned energizing circuit and set to function at a predetermined outside temperature, whereby said cooler control relay is caused to function when the outside thermostat and said cooler control thermostat are closed.

2,600,890

TEXTILE DECORATING EMULSION

Olive-Sue Linkletter, Englewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application May 25, 1951, Serial No. 228,371
4 Claims. (Cl. 260—22)

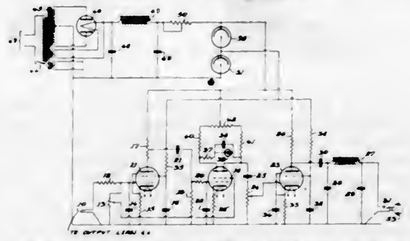
1. A water-in-lacquer textile-decorating emulsion, the lacquer phase of which comprises a vaporizable water-immiscible organic solvent containing, as an emulsifying film-forming material, an alkyd resin comprising the reaction product of (1) and adduct of an alpha-olefinically unsaturated dicarboxylic acid and a terpene and (2) an alcoholysis product of 0.5 to 1 mol of pentaerythritol with 1 mol of the conjoint polymerization product of about 30 to 50 parts by weight of styrene and 70 to 50 parts by weight of dehydrated castor oil, said alkyd resin having a free hydroxyl percentage ranging from 0.5 to 3, a maximum acid number on the order of 25, and a maximum gel time on the order of 25 seconds on a cure plate maintained at a temperature of 190° C., and being soluble in said organic solvent.

2,600,891

VACUUM SYSTEM LEAK DETECTOR

Stephen M. MacNeille, Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission

Application September 20, 1946, Serial No. 698,333
7 Claims. (Cl. 177—311)



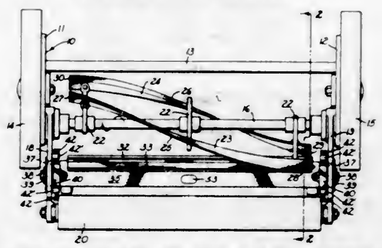
1. In a vacuum leak detector system, means to produce a voltage change in accordance with an ionization change, a resistance bridge circuit having for at least one of its legs a vacuum tube, means to apply said voltage change to the control electrode of said vacuum tube to thereby alter the resistance of the tube in accordance with the voltage change, means connected across the output of said bridge circuit to translate the unbalanced bridge voltage into pulsating voltage of audio-frequency, and means for rendering audible said pulsating voltage.

2,600,892

LAWN MOWER HAVING OPPOSITE HANDED HELICAL CUTTING BLADES

Nils Madsen, San Pedro, Calif.; Liv Madsen, administratrix of said Nils Madsen, deceased, assignor to Liv Madsen, San Pedro, Calif.

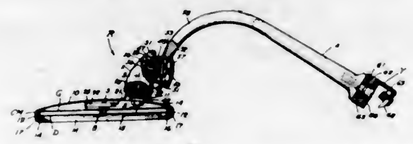
Original application October 27, 1947, Serial No. 782,356. Divided and this application September 26, 1949, Serial No. 117,836
2 Claims. (Cl. 56—294)



1. A rotary cutter reel for a lawn mower having a stationary cutter bar, comprising: a shaft;

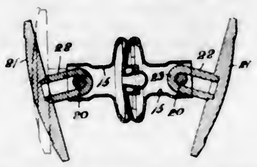
radial arms secured on said shaft at opposite ends thereof and having their respective outermost ends oppositely oriented with respect to the axis of said shaft; and at least two helical cutter blades carried by said arms, said blades being of a length substantially equal to the length of the stationary cutter bar with which the reel is to be used, the helices of said cutter blades being of alternately opposite hand, all the ends of said blades at each end of the reel being spaced circumferentially of the reel, the opposite ends of said blades being disposed, respectively, above and below the longitudinal axis of said shaft.

2,600,893
KNUCKLE JOINT FOR REARVISION REFLECTORS
Frank N. Mariani, New York, N. Y.
Application May 14, 1947, Serial No. 747,993
4 Claims. (Cl. 287—1)



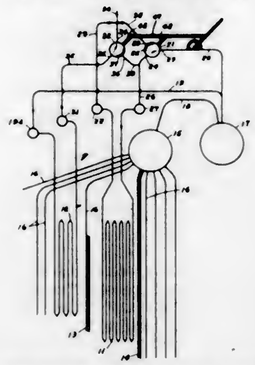
4. As a new article of manufacture, a knuckle embodying a corner and having two surfaces substantially normal to each other and leading away from said corner, one of said surfaces having a reentrant arcuate seat and the other of said surfaces having a reentrant arcuate race, said knuckle having an enlarged portion and an intermediate reduced portion integral with said enlarged portion, said portions being in part bounded by said race and seat and said reduced portion embodying at one end thereof said corner, a stem fixed to said intermediate portion and extending axially of and through said seat and outside of and beyond said knuckle, and a shank disposed substantially normal to said stem and anchored to said intermediate portion and projecting axially of and through said race and outside of and beyond said knuckle.

2,600,894
CUFF BUTTON
Clement S. Marien, Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application June 22, 1950, Serial No. 169,583
1 Claim. (Cl. 24—102)



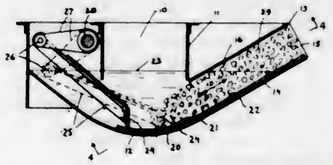
A cuff button comprising two individual units having cooperating means for separable connection, each of said units having inner and outer heads for holding the unit in a cuff, shanks fixed to each head of one unit with said shanks slidably telescoping one within the other and means to limit their sliding movement in both directions, one of said shanks comprising a tube with a pin extending diametrically across the tube adjacent its outer end, said outer end being of a greater diameter than its inner end, and the other shank being U-shaped straddling said pin and rockable about said pin in the portion of said tube of larger diameter, said U shank closely slidably fitting the smaller inner end of the tube when the heads are slid toward each other to afford rigidity of the heads of the unit.

2,600,895
SUPERHEATER CONTROL
Leonard J. Marshall, Tenafly, N. J., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware
Application May 29, 1946, Serial No. 672,993
8 Claims. (Cl. 122—479)



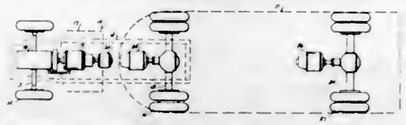
6. In a superheater comprising first and second heat exchange sections exposed to a heating medium flowing serially over said sections, a supply of saturated steam, and an offtake for superheated steam; a first conduit connecting the inlet of said first superheater section with said supply source; a second conduit connecting the inlet of said second superheater section with said supply source; a third conduit connecting the outlet of said first section with the inlet of said second section; a fourth conduit connecting the outlet of said second section to said offtake; a fifth conduit connecting the outlet of said first superheater section with said offtake; valve means associated with said fifth conduit at a location to control flow directly to said offtake; and other valve means associated with said second conduit at a location to control flow from said saturated steam source.

2,600,896
ASH REMOVAL DEVICE
Josef Martin, Munich, Germany
Application March 29, 1951, Serial No. 218,175
In Germany December 31, 1949
4 Claims. (Cl. 110—165)



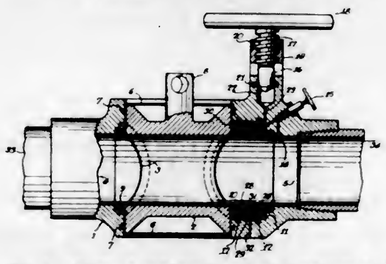
1. A device for removing ashes from furnaces comprising a receiver adapted to receive ashes, said receiver having a curved bottom, an upwardly inclined discharge conduit communicating with said receiver and having two side walls and a bottom wall extending tangentially from said curved bottom, a pusher plate reciprocally located on said curved bottom, means for reciprocating said pusher plate so as to push ashes from said receiver into said discharge conduit, and immovable ledge-shaped retaining means in said discharge conduit to keep ashes in said discharge conduit from sliding downwardly towards said receiver.

2,600,897
DRIVE MOTOR CONTROL FOR ENGINE ELECTRIC DRIVEN VEHICLES
Berton M. Mathias, Monte Vista, Colo.
Application April 8, 1949, Serial No. 86,344
4 Claims. (Cl. 180—14)



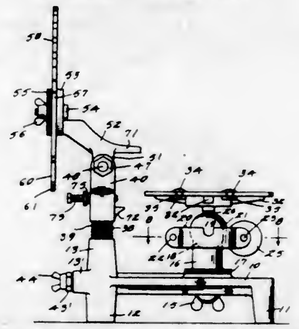
1. In an engine-electric driven vehicle including a tractor component, a trailer component pivotally connected near its front end to the tractor component near the rear end of the latter, an engine-driven generator, a tractor-driving motor, a trailer-driving motor, and a control system for said generator and said motors, means incorporated in said control system and responsive to angular movements between said tractor and trailer components for progressively reducing the power output of said trailer-driving motor below the power output of said tractor-driving motor in response to decrease in the angle between said vehicle components, and for increasing the power output of said trailer-driving motor toward the power output of said tractor-driving motor in response to increase in the angle between said vehicle components up to an angle of 180 degrees, said means comprising a double-acting, variable resistance unit carried on said trailer component and connected into that part of the control system controlling said trailer-driving motor, a beveled gear carried by said tractor component and rotated by said trailer component through the pivotal connection between said components, a beveled pinion meshing with said beveled gear, and a torque-transmitting drive means between said beveled pinion and said variable resistance unit.

2,600,898
HYDRAULICALLY OPERATED VALVE SEAT
Vasco T. Maxwell, Houston, Tex.
Application May 28, 1948, Serial No. 29,879
4 Claims. (Cl. 251—113)



1. In a valve, a valve housing having a fluid inlet port and a fluid outlet port, a cylindrical plug rotatably mounted in said housing, a port in said plug adapted to be moved into and out of flow connection with said inlet and outlet ports, a bearing of brass mounted in said housing adjacent said outlet port shaped to conform to the contours of and adapted to fit snugly against said plug, a movable shuttle ring mounted in said housing adjacent said inlet ports shaped to conform to the contours of said plug and an auxiliary hydraulic ram adapted to selectively move said ring into and out of contact with said plug and maintained in contact with said plug by the pressure of the flow, transverse passageways through said shuttle ring leading to passageways through said housing to relieve pressure caused by friction of said ring against the abutting walls of the housing.

2,600,899
DENTAL APPLIANCE
Francis L. McClain, Jacksonville, Fla.
Application January 7, 1949, Serial No. 69,751
3 Claims. (Cl. 32—32)

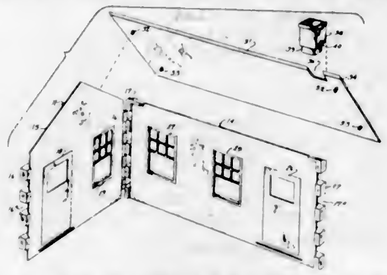


1. A dental appliance of the class described, comprising a lower assembly including a base, a stage mounted on and above the base for vertical and angular adjustment in a circular path, an upper assembly including a turret swingably mounted for movement in a vertical plane, a carrier bow mounted on the turret and adapted to be positioned horizontally above the stage or pivotally swung rearwardly thereof to a vertical position, said member having at least one slot therein, a bolt engageable in said slot and secured to a mandrel supporting member for receiving and holding an angularly adjustable mandrel supporting arm movable in a horizontal plane.

2,600,900
TOY HOUSE
Albert George McNeill, Philadelphia, Pa., assignor to Bachmann Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application September 11, 1948, Serial No. 48,812
5 Claims. (Cl. 46—19)

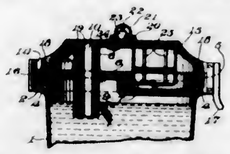
1. In a knock-down toy assembly of the character described, the combination of a pair of structural elements that are intended to be detachably secured together, each of said elements being made from a plastic material and having a main body portion that is relatively thin and an end edge, and a plurality of lugs arranged in spaced relation along said end edge from which they project and integrally joined to said main body portion, each of said lugs being thicker than said main body portion and having a pair of uninterrupted continuous parallel surfaces normal to said end edge, the spaced lugs on one of said

elements being complemental to the lugs on the other of said elements between which they are adapted to frictionally interfit with the faces on



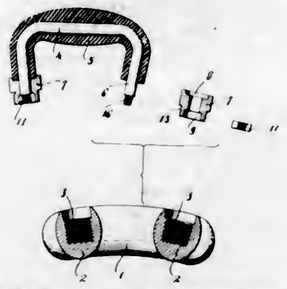
one lug engaging those of adjacent lugs to establish a detachable connection between said elements.

2,600,901
BEVERAGE CARBONATING DEVICE
Fred John Meldau, Denver, Colo.
Application March 7, 1950, Serial No. 148,084
15 Claims. (Cl. 261—121)



1. A beverage carbonating device, comprising the combination of a vessel adapted to contain an uncarbonated liquid, a closure for said vessel, an intervening tray, substantially gastight joints between said closure and said tray and between said tray and said vessel, a container for gas-producing chemicals carried by said closure and normally extending downwardly therefrom into a reacting liquid in said tray, and a passageway to lead gas from above said tray to the space beneath said tray.

2,600,902
INSULATING HANDLE
Otto Messerschmidt, Goettingen, Germany, assignor to Aluminiumwerke Goettingen G. m. b. H., Goettingen, Germany, a corporation of Germany
Application July 7, 1949, Serial No. 103,383
In France September 2, 1948
1 Claim. (Cl. 16—119)

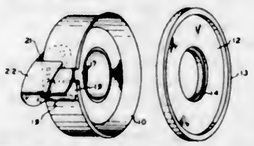


An insulating handle comprising a substantially U-shaped handle shaft of metal, with screw-threaded ends, an insulating cover around the grip portions of said shaft and part of the shaft legs so as to leave leg portions exposed between said threadings and said cover, a nut on each of said threadings, and a sleeve rotatably mounted on each of said exposed leg portions, each sleeve including a head portion and a foot portion, said head portion being formed for the application of a torque and being provided with a first inner recess in which the adjacent end of said cover is received, said foot portion being provided with a second inner recess in which the associated one of said nuts is received to retain said sleeve without substantially projecting therefrom, said foot portion being exteriorly threaded so as to be adapted to be screwed into an interior threading provided on a vessel for which the handle is destined.

2,600,903
METHOD OF PROCESSING ALFALFA
Harry Miller, Lincoln, Nebr.
No Drawing. Application March 26, 1948, Serial No. 17,372
9 Claims. (Cl. 99—2)

1. A process of treating alfalfa to recover a valuable nutritional product therefrom which comprises, expressing the juice from freshly harvested alfalfa, promptly adjusting the separated juice to a definite alkalinity of the order of pH 8–pH 8.5 and recovering the treated juice.

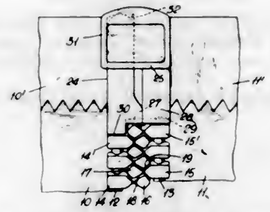
2,600,904
DISPENSING DEVICE FOR TAPE
Burton D. Morgan, Loudonville, N. Y.
Application September 28, 1949, Serial No. 118,440
2 Claims. (Cl. 164—84.5)



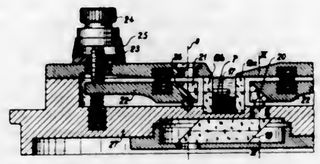
1. A dispenser for adhesive tape comprising a casing having side walls and a cylindrical connecting wall, a transverse slot in said connecting wall, a ridge on said connecting wall spaced from said slot and parallel thereto, an arm pivoted to the casing to swing on an axis parallel to said ridge and slot, said arm having a portion shaped to clamp the tape against the connecting wall and extending slightly beyond said ridge, the outer end of said portion being recurved toward said ridge and having a cutting edge at its extreme end, said recurved portion when in operative position lying at an angle to the surface of the connecting wall and inclined toward the adjacent base of said ridge and approximately in a plane perpendicular to the portion of the tape extending from the top of the ridge to said connecting wall.

2,600,905
BOX AND PIN SEPARATOR FOR SEPARABLE FASTENER STRINGERS
Louis H. Morin, Bronx, N. Y.
Application January 7, 1948, Serial No. 859
6 Claims. (Cl. 24—205.11)

6. In a pair of separable fastener stringers having scoop members spaced longitudinally of the edges thereof, the combination therewith of a stop coupling member arranged on an end portion of each stringer adjacent the end scoop member on each said stringer, said coupling members being interengageable, an end portion of the end scoop member of one of said stringers being engageable with the coupling member of the opposite stringer, interengaging means on said scoop member end portion and on said opposite coupling member comprising a projection on the scoop member end portion and a recessed portion on the opposite coupling member, and interengaging means on the last-mentioned end scoop member and its adjacent coupling member for preventing the displacement of said scoop member relatively to said coupling member and stringer, said last-mentioned interengaging means comprising a projection on one of said members and a recessed portion on the other of said members.

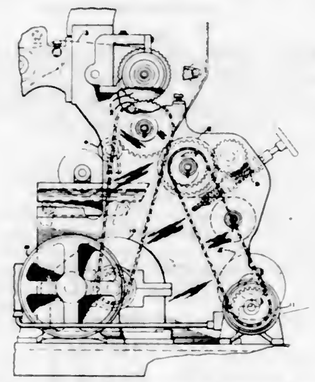


2,600,906
PROJECTION APPARATUS FOR INSPECTING TIMEPIECE JEWELS
André Mottu, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application July 3, 1951, Serial No. 235,074
In Switzerland July 7, 1950
2 Claims. (Cl. 88—14)



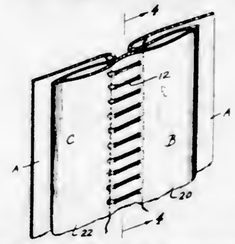
1. A projecting apparatus for examining timepiece jewels comprising a carrier with a horizontal surface on which the jewel to be examined is adapted to rest, said carrier being bevelled along a surface cutting the upper surface and one side wall of the carrier, the bevel surface meeting the upper surface of the carrier along a horizontal line that is oblique with reference to the side wall of the carrier into which the bevel surface extends, a vat filled with a liquid the index of refraction of which approximates that of the jewel and inside which said carrier is laid, said vat including two transparent vertical walls facing each other, the bevelled side wall of the carrier being adapted to be laid in contact with one of said vertical walls, illuminating means producing a vertical beam of light, means for producing an image of the jewel illuminated by said beam, reflecting surfaces located to either side of the vat and outside last mentioned walls and adapted to reflect the vertical beam produced by the illuminating means horizontally through the jewel and then back vertically towards the image-producing means.

2,600,907
SINGLE FACER DRIVE
Elmer L. Mumma, Glen Arm, Md., assignor to F. X. Hooper Company, Inc., Glen Arm, Md., a corporation of Maryland
Application October 4, 1947, Serial No. 777,963
8 Claims. (Cl. 154—31)



1. In a corrugating machine having a pair of adjacent corrugating rolls adapted to flute stock strip passing therebetween, and a liner strip applying presser roll immediately adjacent one corrugating roll to apply a liner strip to one face of the fluted stock strip on the adjacent corrugating roll, the corrugated stock strip and liner strip each passing around a substantial proportion of the circumferences of the said one corrugating roll and presser roll respectively and then tightly between said rolls, whereby one of said rolls tends to be driven by the other and means to apply adhesive to the face of one of said strips facing the other said strip prior to their passage between said one corrugating roll and the presser roll, separate motors to drive said one corrugating roll and said presser roll, means interconnecting the power supply for said motors and means for simultaneously varying the speeds of said motors to vary to the same extent the speed of said one corrugating roll and said presser roll, both said driving motors operating on the rolls in addition to the rotary effect caused by the passage of the strips between the adjacent corrugating and presser rolls.

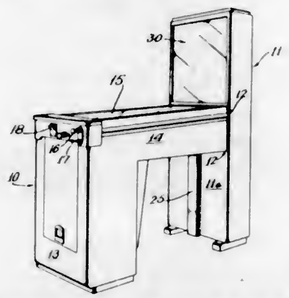
2,600,908
ORNAMENTAL TRIMMING OR FAGOTING STRIP FOR BOX PLEATS
Jack Nachman, Philadelphia, Pa.
Application May 17, 1947, Serial No. 748,818
3 Claims. (Cl. 2—275)



1. A fabric body having a portion containing four thicknesses providing an inner folded edge

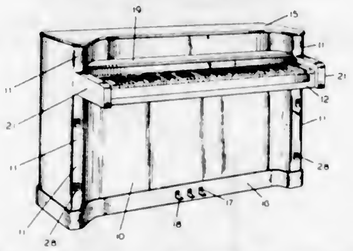
and a pair of outer folded edges, a series of stitches penetrating said four thicknesses adjacent said inner folded edge, said stitches holding said outer folded edges in spaced relationship with respect to said inner folded edge, whereby said outer folded edges can be separated to produce a box pleat with adjacent portions of said body.

2,600,909
CABINET FOR AMUSEMENT APPARATUS
Nels A. Nelson, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application September 17, 1945, Serial No. 616,669
3 Claims. (Cl. 312—107)



1. An apparatus cabinet comprising a first upright cabinet section having an access closure in a rear side thereof, a horizontal section projecting at approximately right angles from the forward side of said first section at a level between the upper and lower extremities of said first section and removably attached to the latter, said horizontal section terminating at its end remote from said first section in the rearward side of a second upright cabinet section pendantly at right angles to said horizontal section, said second cabinet section having an access closure in a front side thereof, and leg means adjustable up and down into position in the region of juncture of the horizontal section with the first section to support said horizontal section, cooperably with said second section, when the latter two sections are separated from the first section.

2,600,910
PIANO CONSTRUCTION
Hal G. Nickel, Milwaukee, Wis.
Application May 12, 1950, Serial No. 161,580
2 Claims. (Cl. 84—177)



1. An enclosure to be used in combination with a piano construction which comprises a frame structure, a top plate, a base molding and a key board, said enclosure comprising, a vertical plate, said plate formed to a contour corresponding to the front and sides of the frame structure of said piano construction, said plate provided with an elongated aperture arranged to receive the key board on said piano construction, removable end portions, means for attaching said end portions to said front plate and key board, a removable sheet music support, and means for mounting said sheet music support to the key board forming a part of the piano structure.

2,600,911
PLASTIC MILK CARTON HOLDER
Clarence Arthur Olson, Eugene, Oreg., assignor of fifty per cent to Robert S. Hilliard, Eugene, Oreg.
Application December 21, 1948, Serial No. 66,414
1 Claim. (Cl. 65—61)

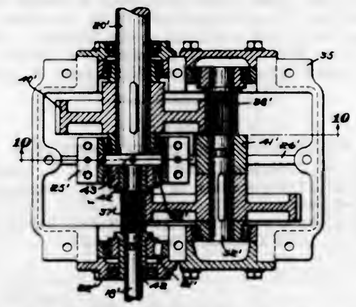


A reinforcing and shape sustaining holder for partially jacketing a conventional-type cardboard milk carton comprising a one-piece shield, said shield being formed from moldable material and being light in weight, substantially crushproof and rigid in construction and of a shape and size to telescopically receive the carton and to enclose a major portion of said carton to prevent squeezing and collapsing of the carton when it is being handled, said shield being tubular, rectangular in cross-section, and open at opposite ends, of a length less than the length of the carton, and embodying flat imperforate walls and being provided on its interior and adjacent its bottom with a pair of opposed lugs, the latter being integrally formed with the shield but separate and independent from each other and having flat upper carton seating and supporting surfaces, the latter being relatively broad, in the same plane, and slightly elevated above the lower open end of said shield to elevate and support the base of the carton clear above the surface of a table or equivalent support.

2,600,912
SPEED REDUCING MECHANISM
Gordon L. Olson, Arlington, Mass.
Application February 19, 1947, Serial No. 729,451
4 Claims. (Cl. 74—421)

1. A speed reducing mechanism comprising a casing, input and output shafts, said shafts being in axial alignment with each other, a countershaft in said casing parallel with and spaced laterally from said input and output shafts, cooperating gears of different diameters supported on said shafts for transmitting motion from said input to said output shaft through said countershaft and bearings in the walls of said casing supporting said shaft, all of said bearings having the same outside dimensions whereby they, together with their respective shafts and gears, may be interchanged, and said casing at points included between the bearings having extended

body portions to provide spaces in which gears of relatively larger diameter are free to rotate when in an interchanged position, in which the gears are located on the shafts in positions of fixed abutment with their respective bearings and may, together with said bearings and shafts, be shifted end for end from a right-hand to a left-hand



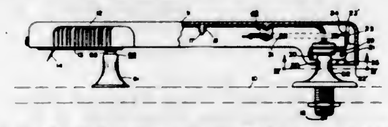
drive, and vice versa, including antifriction bearings supporting the adjacent inner ends of said input and output shafts, a bearing block rigid with said casing and having a socket in which the latter bearings are removably supported, and a removable spacer in said socket separating the bearings supported in it.

2,600,913
IRONING APPARATUS COVER
Raymond G. Olson, Niles, Ill.
Application April 22, 1947, Serial No. 743,224
1 Claim. (Cl. 38—140)



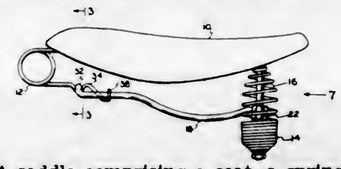
An ironing apparatus covering including a vegetable fabric sheet, a first coat of finely divided particles of fused metal adhering to each other and to the inner surface of said fabric sheet, a second coat of finely divided particles of fused metal relatively lesser in degree than the first coat, said second coat of metal particles adhering to the outer surface of said fabric sheet whereby the first coat of metal particles on the inner surface of the fabric sheet causes dissipation of localized heat and the second coat of metal particles on the outer surface of the fabric sheet increases wear resistance.

2,600,914
TONE ARM
Maurice M. Palo and Ford William Schmid, Conneaut, Ohio, assignors to The Astatic Corporation, Conneaut, Ohio
Application June 26, 1946, Serial No. 679,378
5 Claims. (Cl. 274—23)



1. In a tone arm the combination of a vertical pintle, means mounting said pintle for free rotation about its vertical axis, an elongated support carrying a stylus adjacent its forward end and having spaced downward extending flanges adjacent its opposite end, a mounting plate carried by said pintle and having a downwardly turned forward end and an upward turned opposite end, a U-shaped strap secured to said downwardly turned end of said mounting plate and having rearwardly disposed arms flexible laterally, pintle pins projecting laterally outward from the rear end portions of said arms, recesses in the inner surfaces of said flanges to receive said pins, and horizontally disposed resilient tensioning means interconnecting said upward turned end of said plate and an intermediate portion of said elongated support.

2,600,915
SPRING MOUNTING MEANS FOR SADDLE SEATS
Charles A. Persons, Worcester, Mass.; Harriet M. Persons and The Mechanics National Bank of Worcester, executors of Charles A. Persons, deceased, assignors to Persons-Majestic Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application November 29, 1947, Serial No. 788,906
3 Claims. (Cl. 155—5.22)



2. A saddle comprising a seat, a spring frame therefor, said frame being resiliently secured to the seat at the rear end thereof, and a spring connection between the front of the seat and said frame, said connection comprising a spring secured to the seat and terminating in an eye, the front end of the frame being received in the eye and provided with a turned up extreme tip, the spring having a depression therein receiving the tip, the latter limiting upward movement of the spring and the eye forming a pivot for downward movement of the spring, the latter being normally in uppermost position as limited by the spring frame tip.

2,600,916
NECKTIE RACK
Philip Pestyner, Jamaica, N. Y.
Application October 28, 1948, Serial No. 56,961
1 Claim. (Cl. 211—105)



A necktie rack comprising: a fixed necktie supporting bar adapted to be mounted rigidly in horizontal position on a firm support, and a horizontal quadrilateral frame embodying four necktie supporting bars terminally pivoted to one

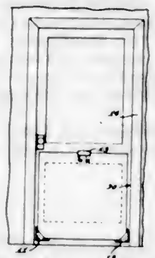
another while two bars of the quadrilateral frame are pivoted to the fixed bar, the latter two bars of the quadrilateral frame being positioned at a lower elevation than the fixed bar and the other two bars of the quadrilateral frame being at substantially the same elevation as the fixed bar, and necktie separators upstanding from the upper surfaces of all said bars with the separators of the bars of said frame being of less height than the distance between the bars which are arranged at different elevations.

2,600,917

CARD TABLE-SUPPORTING RACK

David K. Petersen, Hudson, Wis.

Application December 19, 1950, Serial No. 201,600
5 Claims. (Cl. 211—87)



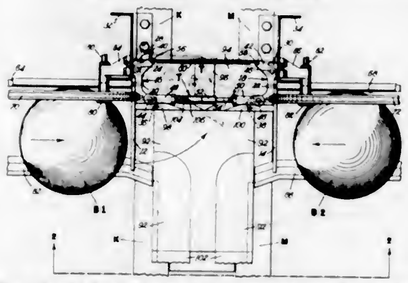
1. A card table rack comprising an upstanding support, a pair of stationary corner brackets arranged in horizontally spaced relation with respect to each other and secured to said support, said stationary brackets being adapted to embracingly receive and support the corners of a vertically disposed card table contiguous to the lower side thereof, a pair of guide pins arranged between and vertically spaced from said stationary brackets and projecting outwardly of and secured to said support, and a movable bracket mounted on said guide pins by means of slots for sliding movement from a table-receiving position spaced above the upper side of said table to a table-supporting position embracingly engaging said upper side.

2,600,918

BOWLING BALL RETURN MECHANISM

Ernest Erwin Pohl, Elmhurst, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey

Application March 1, 1947, Serial No. 731,743
21 Claims. (Cl. 273—49)



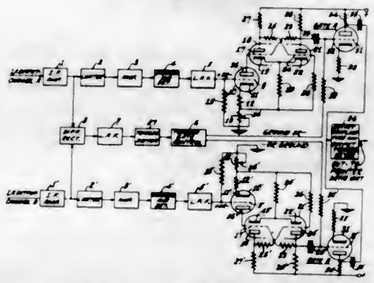
1. Apparatus for use with adjoining bowling alleys having mechanical ball returns and a common ball return runway, said apparatus consisting of, pivotally mounted gate members adjoining said common ball return runway for releasing balls from mechanical ball returns successively onto said common ball return runway, gate connectors formed on each of said members at a point which moves to one side of a plane passing through the pivotal mounting of one of said members and the gate connector of the opposing member when the gate is opened and to the other side of said plane when said gate is closed, a stop for limiting the distance said gates can open, and a telescoping link connecting the fastening means mounted on each of said gates to maintain one gate closed whenever the other gate is opened.

2,600,919

DIVERSITY RECEIVING SYSTEM

Dalton H. Pritchard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 8, 1949, Serial No. 131,726
16 Claims. (Cl. 250—8)



8. In a diversity receiving system for frequency shift keyed signals, a plurality of diversity receiver channels each including a discriminator detector the output of which is a direct voltage which varies from a positive value to a negative value and vice versa in accordance with the keying, a plurality of locking circuits equal in number to the number of channels, each locking circuit having two conditions of electrical stability and comprising a pair of intercoupled electrode structures so arranged that the flow of current in one structure causes a cessation of current in the other structure, and vice versa, a low pass filter coupling the output of each detector to a corresponding one of the locking circuits, a plurality of controllable gating devices equal in number to the number of channels, means coupling the output of each locking circuit to a corresponding gating device, means for comparing the relative strengths of the signals in each channel and for producing a plurality of control potentials equal in number to the number of channels, the absolute magnitude of each potential depending upon the relative signal strength in the corresponding channel, said last-named means including therein a low pass filter having the same signal time delay as that of the first-named low pass filters, means for controlling each of said gating devices by a corresponding one of the control potentials, and a common output circuit coupled to all of said gating devices.

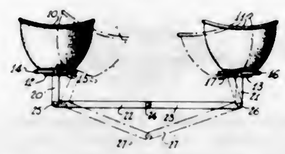
2,600,920

ADJUSTABLE TWIN EYECUP SET

Joshua Raschkind, Forest Hills, N. Y.

Application July 24, 1950, Serial No. 175,618
5 Claims. (Cl. 128—249)

1. An adjustable twin eyecup set for simultaneously treating both eyes of a patient comprising a first eyecup shaped to fit over one eye of the patient and a second eyecup shaped to fit over the other eye of the patient, adjustable linking means interconnecting said eyecups and supporting them in adjusted relationships, and different indicia means associated with each eyecup



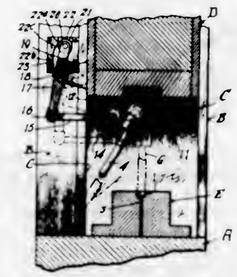
for distinguishing the first from the second, said adjustable linking means including a pair of rigid links, one end of one link being pivotally joined to one end of the other link, the free end of each of said links having pivotally joined to it one of said eyecups.

2,600,921

APPARATUS FOR EXTRUDING COLLAPSIBLE TUBES

Frederic Remington, Elizabeth, and Richard A. Tartaglia, East Orange, N. J., assignors to Peerless Tube Company, Bloomfield, N. J., a corporation of New Jersey

Application March 8, 1949, Serial No. 80,162
2 Claims. (Cl. 207—6)



1. Apparatus for extruding collapsible tubes which comprises a die having a cavity to receive a slug of metal, and a plunger reciprocable into and out of said cavity to extrude said slug into a tube on said plunger and withdraw said tube from said die cavity respectively, said apparatus being characterized in that a stationary frame and a linearly reciprocable element thereon are included, said plunger is pivotally mounted adjacent one end on said reciprocable element so that the plunger may oscillate laterally while it is out of said cavity from a first inclined position with its free end at one side of said die into a second position in axial alinement with said die cavity, and means is included to oscillate said plunger comprising a guide block stationarily mounted on said frame and having a cam groove, a follower element in said cam groove, a lever pivotally mounted intermediate its ends on and movable with said reciprocable element and having at one end said follower of said cam groove, and a link pivotally connecting the other end of said lever to said plunger whereby said tube may slide off said plunger when the latter is in the first position.

2,600,922

OUTER BEARING FOR ROTATABLE SERVERS

John Della Rodolfa, San Jose, Calif.

Application May 20, 1949, Serial No. 94,328
2 Claims. (Cl. 308—227)



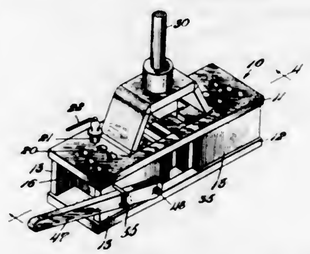
1. An outer bearing structure for a rotatable server having a tray rotatably mounted on a base comprising an upstanding peripheral wall on said base, a depending flange on said tray and spaced inwardly of said upstanding wall to provide a raceway, a ball retaining ring disposed in said raceway, said ring comprising an endless strap having a plurality of pairs of arms punched therefrom at equal intervals so as to extend substantially radially of said ring, said strap having an aperture formed midway its upper and lower edges between each pair of said arms, and a ball of a diameter slightly greater than the depth of said flange and wall and embraced by each pair of said arms, said arms causing each ball to seat in the aperture between said arms for securing said balls to said ring for free rotation relative thereto.

2,600,923

TEST CLAMP FOR TEST SPECIMEN

Robert W. Rogers, Barrington, R. I., and Samuel Reback, Fall River, Mass., assignors to Scott Testers, Inc., a corporation of Rhode Island

Application June 18, 1947, Serial No. 755,530
3 Claims. (Cl. 24—248)



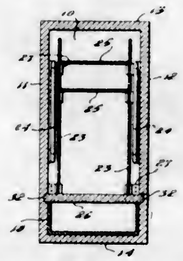
1. A clamp for gripping a specimen subjected to a pulling force for testing or the like comprising a hollow body having sides, top, and bottom walls, said top and bottom walls having aligned openings therethrough through which the said specimen may be passed, a pair of blocks slidably guided in said body by said walls on opposite sides of said openings, a pair of gripping jaws within said body and out of engagement with said body and having opposite flat surfaces for engaging the specimen, a pair of parallelly arranged links on opposite sides of each block for movably mounting each jaw on a block for suspension therefrom only by said links and for parallel motion of said jaws to and from each other, said links and said blocks being so related that the links extend at an acute angle to the gripping face of the jaws to cause the jaws to move toward each other as pull is exerted on the specimen, a shaft to which one of said links is fixed for pivotally mounting the link, a handle fixed to said shaft for moving the jaws from each other, and spring means for moving said jaws towards each other.

2,600,924
STUD EXTRACTOR
Thurber W. Royer and Frieda F. Royer, Arlington, Va.
Application June 12, 1946, Serial No. 676,326
4 Claims. (Cl. 81—71)



1. An extractor for removing broken stud bolts comprising a cylindrical shank, lands on said shank separating said shank into segments, said lands having an arcuate top surface substantially throughout the length thereof, said lands having a flat surface on the sides thereof extending substantially parallel to the axis of the shank of said extractor, the base of said lands lying adjacent the cylindrical shank being of a lesser width than the top surface of said lands, and the flat surface of each of the sides of said lands forming an angle with a plane tangent to the cylindrical shank through the point of intersection of the flat surface on each side of the lands and the shank of less than 90 degrees, and a pilot carried upon one end of said shank, said pilot being formed by lengthwise extensions of the segments of said shank beyond the terminus of said lands, said shank and lands being provided with a hollow portion for receiving chips formed in the end thereof separating said extensions.

2,600,925
CABINET
Roy Ruch, Sunbury, Pa.
Application March 10, 1948, Serial No. 14,070
1 Claim. (Cl. 312—351)



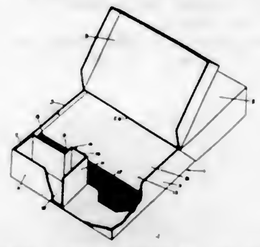
A cabinet having a rear wall, opposite side walls, top and bottom walls and a front wall having an opening, said side walls having grooves in the inner faces thereof respectively arranged in oppositely disposed relation and located in spaced relation from the bottom wall of the cabinet, a transparent horizontally disposed partition secured at its ends in said grooves to divide the interior of said cabinet into upper and lower compartments, vertical panels of translucent material arranged in said upper compartment and supported on said partition in laterally spaced relation from said side walls respectively to thereby provide a space between said side walls and said panels respectively, upper and lower brackets secured to said front and rear walls and engaging over the edges of said vertical panels for securing the same in upright relation, and a transparent shelf arranged between said vertical panels and supported on said upper brackets.

2,600,926
RADIAL LOUVER CONSTRUCTION
Gene C. Rudd, Fort Worth, Tex., assignor to Southern Air Conditioning Mfg. Co., a partnership comprised of Gene C. Rudd and Charles B. Rudd of Fort Worth, Tex.
Application July 1, 1949, Serial No. 102,521
1 Claim. (Cl. 98—40)



In a louver assembly, the combination of: a central supporting ring, radially arranged louvers hingedly mounted at their inner ends on said ring, a cap above and in contact with said inner ends of said louvers, a disk beneath and in contact with the under ends of said louvers, and spring means pressing said cap and said disk toward each other.

2,600,927
PAPER PACKAGE
David M. Scoville, San Francisco, Calif.
Application February 15, 1949, Serial No. 76,574
8 Claims. (Cl. 206—57)

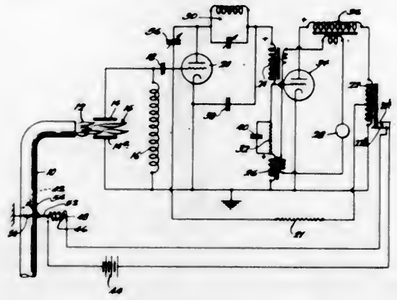


2. A carbon paper package comprising: an open-topped box having bottom, end and side supports; a stack of interleaved, generally rectangular, separate carbon and second sheets positioned therein, said sheets being in engagement with said side supports and with one of said end supports of said box along three of their edges; said carbon sheets being substantially longer than said second sheets and substantially shorter than said box and each having a notch formed in one end thereof of a depth equal to the difference in length between said carbon sheets and said second sheets; guide means secured to said box and extending upwardly therein in engagement with the said one end of each of said carbon sheets to support the latter against slippage and to engage the corresponding end of said second sheets within said notches in said carbon sheets to maintain said second sheets in proper alignment; said carbon sheets being clipped off at two diagonally opposite corners.

2,600,928
FLAME DETECTOR
Paul T. Semm, Chicago, Ill., assignor to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application November 30, 1948, Serial No. 62,745
4 Claims. (Cl. 250—36)

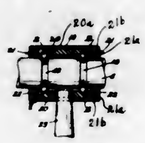
3. In a flame detector, a pair of conducting plates lying on opposite sides of the flame and forming a capacitor variable in accordance with the presence or absence of the flame, inductance

means defining a resonant circuit with said capacitor, an electron tube having cathode, anode and control electrodes, means connecting said resonant circuit across the cathode-control electrode space path of said tube, an auxiliary resonant circuit, a source of potential, means defining a series circuit through the cathode-anode



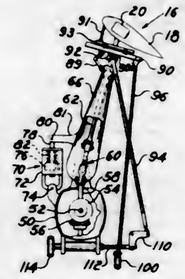
space path of said tube, said source, and said auxiliary resonant circuit, means to bias said control electrode relative to said cathode in accord with the intensity of oscillations in said first resonant circuit, a variable capacitor connected across said control electrode and said anode, and means responsive to the unidirectional component of cathode-anode space current in said tube.

2,600,929
MACHINE DRIVE
Mordecai Shapiro, Merrick, N. Y.
Application March 24, 1949, Serial No. 83,221
3 Claims. (Cl. 308—187.1)



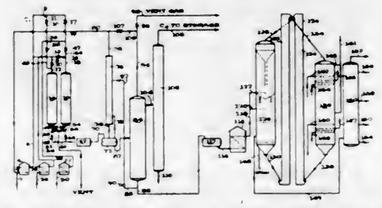
1. In combination, a rotatable shaft which has an outer periphery which has two circumferential and continuous shaft grooves, said shaft grooves being located in planes which are perpendicular to the axis of rotation of said shaft, a hollow external race through which said shaft extends axially, said race having a cylindrical inner periphery, said race having two internal circumferential and continuous race-grooves, said race-grooves being located in planes which are perpendicular to the axis of rotation of said race, each of said race-grooves opposing and being paired with a respective shaft groove, a set of rotatable anti-friction members associated with each said pair of grooves, a part of each of said anti-friction members being located in its respective shaft groove, a part of each of said anti-friction members being located in its respective race-groove, said anti-friction members interfitting rotatably with the walls of said shaft grooves and with the walls of said race-grooves, said shaft being movable to and fro in the direction of said axis in unison with said hollow external race and said sets of anti-friction members.

2,600,930
HELICOPTER CONTROL
Igor I. Sikorsky, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 24, 1946, Serial No. 698,947
14 Claims. (Cl. 170—135.24)



3. In a helicopter, an elongated fuselage, a main power driven sustaining rotor mounted at the fore part of said fuselage, an empennage mounted on said fuselage for lateral pivotal movement, a semi-sustaining power driven rotor carried by said empennage including a controllable pitch blade, means for tilting said empennage including a swash plate mounted on said empennage and having an operative connection to said blade to control its pitch cyclically, and control means carried by said fuselage and operatively connected with said swash plate for tilting the latter to create a lateral component of thrust acting on said empennage to tilt the latter about its pivotal support.

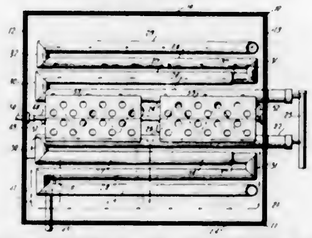
2,600,931
PROCESS FOR REFINING HIGH SULFUR CRUDE OILS
William A. Slater, Hunt, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 29, 1950, Serial No. 182,096
3 Claims. (Cl. 196—27)



1. A process for treating a sulfur-containing hydrocarbon oil selected from the group consisting of crude oil, topped crude, and reduced crude, comprising contacting the oil with a material selected from the group consisting of iron, nickel, cobalt, their oxides and combinations thereof, in a first zone at elevated temperature and pressure and in the presence of added hydrogen, chemically absorbing sulfur in the oil on said material, terminating the contacting before substantial amounts of hydrogen sulfide occur in the product, topping the desulfurized product to remove at least gasoline and lighter constituents, catalytically cracking the remainder in a second zone isolated from the first zone, said second zone being maintained at cracking temperature and con-

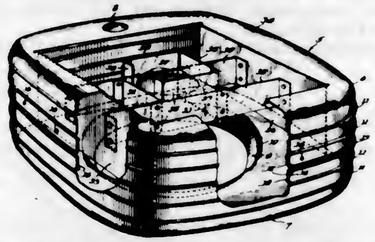
taining a cracking catalyst incapable of chemically absorbing substantial amounts of sulfur, said catalytic cracking being carried out to a depth of conversion of at least about 30 per cent.

2,600,932
MIXING DEVICE
Oliver Ross Smith, Fort Worth, Tex.
Application October 20, 1948, Serial No. 55,565
4 Claims. (Cl. 126—343.5)



1. In a mixing device having a mixing chamber, a heat exchanger including, a burner, a heat exchanging conductor in the chamber and having a tube communicating with the burner for receiving the products of combustion therefrom, and a jacket surrounding in spaced relation the portion of the tube adjacent said burner to conserve the heat of the products of combustion and distribute such heat substantially throughout the length of the conductor.

2,600,933
UNIT HEATER
Benjamin Spieth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application December 6, 1947, Serial No. 790,123
10 Claims. (Cl. 257—137)



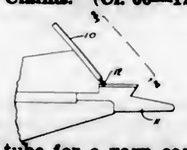
1. A unit heater comprising a casing formed of two companion sections, means for securing said two sections together, said casing having an air inlet opening in one wall and an air discharge outlet in an opposite wall, substantially parallel baffles extending inwardly from the opposite edges of the air inlet, a pair of spaced supporting members extending transversely between and secured to said baffles, a pair of spaced cross members inwardly extending transversely between and secured to said supporting members, baffles secured to said members and forming therewith a passageway spaced from the surrounding space in the casing, a fan motor in said passageway carried by one of said members, and a heating element within and disposed adjacent the air inlet and around said passageway, said passageway permitting cool air to flow past the motor.

2,600,934
ADJUSTABLE DEFLECTOR
Benjamin Spieth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application September 17, 1948, Serial No. 49,698
3 Claims. (Cl. 98—110)



1. A deflector comprising a flanged outlet frame, having oppositely disposed bearing apertures therein, one or more pivotally adjustable deflector blades each having a headed cylindrical trunnion secured thereto at one end, and a tapered trunnion secured thereto at the other end, both trunnions being rotatably mounted in the bearing apertures in flanges of the frame and coiled compression springs bearing against the heads of the cylindrical trunnions and flange for urging the tapered trunnions into wedging engagement with their bearing apertures to provide a friction lock, normally firmly retaining the respective deflectors in their adjusted position, but permitting manual individual adjustment thereof.

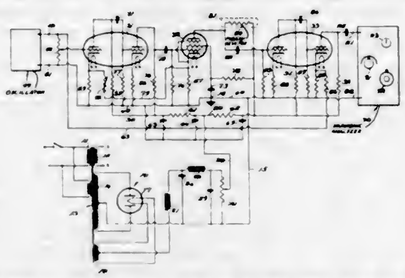
2,600,935
YARN CARRIER TUBE
Kurt Paul Spindler, Hasbrouck Heights, N. J., assignor to Ernest A. Feustel, Inc., Lodi, N. J., a corporation of New Jersey
Application November 15, 1950, Serial No. 195,817
2 Claims. (Cl. 66—126)



1. A safety tube for a yarn carrier of a knitting machine, said yarn carrier being of the type having opposed jaw members carrying the safety tube, said safety tube comprising a lower portion projecting beyond the jaw members and having a section of reduced cross-sectional area to form a weak fracturable area, said fracturable area having a circumferential undercut formed therearound.

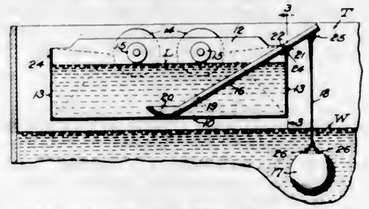
2,600,936
METHOD AND APPARATUS FOR MEASURING LOW PRESSURES AND RELATED CONDITIONS
Wallace G. Stone, Oak Ridge, Tenn., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission
Application August 13, 1945, Serial No. 610,650
9 Claims. (Cl. 73—399)

1. A method of measuring pressure and related similar conditions comprising heating a Pirani type resistor exposed to the said conditions with alternating current, for producing harmonics of the fundamental frequency of the voltage drop across the resistor related to the



condition or conditions to be measured, analyzing said harmonics to determine that harmonic attributable to pressure, and measuring the amplitude of said harmonic as an index of pressure.

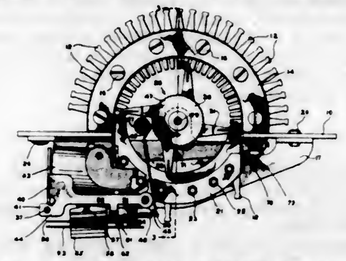
2,600,937
LEVER MOUNTING MEANS FOR FLUSH TANK STERILIZING DEVICES
Edwin A. Strattman, New Orleans, La.
Application April 1, 1949, Serial No. 84,846
1 Claim. (Cl. 222—358)



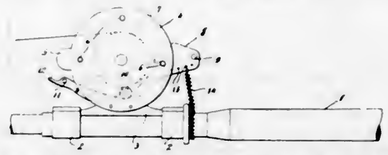
A liquid dispensing lever for mounting on a liquid tank having an upright wall with a flat upper portion having in its upper edge an upwardly-open rectangular notch, comprising a liquid-conveying lever having intermediate its ends a pair of flat opposed fulcrum lugs projecting laterally in opposite directions, said lugs being formed in their outer ends with rectangular notches alined transversely of said lever for reception of the vertical side edges of the notch in the tank wall when said lever is disposed in said wall notch, the width of said lug notches being greater than the thickness of said tank wall to permit limited tilting movement of said lever.

2,600,938
STEPPING SWITCH
Emil F. Thierfelder, Springdale, Conn., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application September 20, 1949, Serial No. 116,765
3 Claims. (Cl. 200—11)

1. In an electrical circuit stepping switch, a plurality of tiers of insulated contacts, each tier including radially extending contact strips arranged in spaced relation with each other in arcs constituting quadrants of a circle, contact plates of quadrant shape disposed in spaced relation to each other and to the strips and completing a circle with said strips, the strips and the plates of each tier being substantially coplanar, a shaft, a pair of wipers for each tier mounted on said shaft and each pair of wipers presenting arcuately spaced tip ends for simultaneous sweeping engagement with the contact strips and the contact plates, and means for rotating said shaft to impart a sweeping movement to said wipers to successively provide a conductive path between each contact plate and the contact strips of a quadrant.

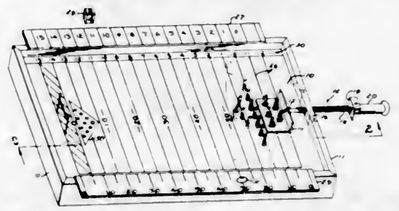


2,600,939
BACKLASH STOPPER FOR FISHING REELS
Walter S. Torrence, San Antonio, Tex.
Application March 13, 1950, Serial No. 149,247
1 Claim. (Cl. 242—84.5)



A device of the character described comprising a pair of bars each of which has an arch-shaped main portion, a hook-shaped portion at the end of the main portion and a perforated end portion extending from said hook-shaped portion and being angularly disposed thereto at an obtuse angle; cross members connecting each end of one bar to the ends of the other bar and holding the bars in spaced relation at a distance which is smaller than the distance between the walls of a fishing reel; a roller crosswise extended between and secured to the main portions of said bars; and a spring having its ends connected to the perforated end portions of said bars and being adapted to be laid around a fishing rod; the hook-shaped portions of said bars being adapted for pivotally and detachably engaging a cross rod of the fishing reel.

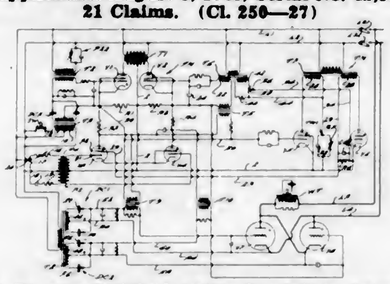
2,600,940
FOOTBALL GAME DEVICE
John M. Tullio, Akron, Ohio
Application August 4, 1948, Serial No. 42,449
2 Claims. (Cl. 116—120)



1. A football game device comprising a base representing a playing field having grid lines

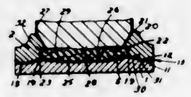
numbered entirely in ascending order, and substantially coextensive with the base, to indicate yards gained from scrimmage, a numbered panel to indicate yards to be gained and including a minimum upper value of 10, a marker for said panel having a plurality of faces bearing respectively the numerals 1 to 4 at least, and a second panel numbered from zero at each end to a single valve of 50 at the center.

2,600,941
ELECTRICAL CONTROL SYSTEM
Gustav E. Undy, Detroit, Mich., assignor to Weltronic Company, Detroit, Mich., a corporation of Michigan
Application August 5, 1948, Serial No. 42,581
21 Claims. (Cl. 250—27)



1. In an electrical network of the character described for energization from a source of electrical energy, a pair of reversedly connected valves electrically connected for controlling the flow of current to a load, a first set of series connected control valves, means adapted to be energized from such source and connected to supply energy to said series connected valves, means normally holding the first of said series connected valves in a nonconducting condition, means for rendering said last-named means ineffective, a second of said control valves connected in series with said first valve, means responsive to a conducting condition of said second control valve for rendering one of said pair of reversedly connected valves in a conducting condition, a timing network, means responsive to flow of current through said first control valve and independent of the flow of current through said second valve for initiating operation of said timing network, and means responsive to the timing out of said timing network for rendering said second-named control valve ineffective to conduct current.

2,600,942
VENTED MOLD FOR THE MANUFACTURE OF FOOTWEAR
Jerome Vanacker, Assche-lez-Brussels, Belgium
Application June 28, 1949, Serial No. 101,709
In Great Britain June 30, 1948
8 Claims. (Cl. 18—34)



6. A mold for use in the manufacture of an article of footwear comprising an upper and a sponge rubber bottom vulcanised to such upper, such mold comprising a base plate and a frame adapted to be superposed upon said base plate and to define therewith a molding cavity for molding the said bottom to the required shape, said frame also being internally shaped to fit closely around the part of the upper to be vulcanised to the said bottom whilst also permitting such part of the upper to project into the said molding cavity for engaging with an unvulcanised rubber mass placed therein for attachment to the upper; the said base plate having the molding surface portion thereof which is adapted to mold the wearing surface of the said bottom curved upwardly towards its perimeter, the marginal part of at least the sole portion of the base plate being chamfered off downwardly and outwardly from and beyond the perimeter of the said molding surface portion, and the marginal under-surface of at least the sole portion of the said frame being upwardly and inwardly bevelled at its inner part at an angle corresponding to that of the outwardly and downwardly chamfered surface of said base plate; means for supporting the said frame on the said base plate in the frame is superposed on the base plate, the said inwardly bevelled surface of the frame is immediately opposed, and closely spaced with reference to, the correspondingly chamfered surface of the base plate so as to define therewith a shallow perimetrical gap leading outwardly from the said molding cavity and which is predetermined spaced relationship so that when adapted to permit controlled but restrained outward escape from said molding cavity to the atmosphere along substantially the perimeter of at least the sole portion of the mold, of sponging gases generated in the mold during the heating and vulcanising of the said rubber bottom.

2,600,943
DETACKIFYING AND CURE ACTIVATION COMPOSITIONS
Edward A. Van Valkenburgh, Greene, N. Y.
No Drawing. Application April 25, 1951, Serial No. 222,935
10 Claims. (Cl. 106—243)

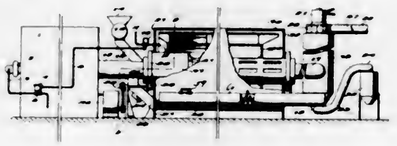
1. New detackifying and cure activation compositions in the form of stable, homogeneous liquid products which are diluted stearine pitch compositions diluted with a hydrocarbon diluent and over-neutralized with an excess of strong aliphatic amine in excess of that corresponding to the free fatty acid content of the stearine pitch; said composition consisting of the over-neutralized amine soaps resulting from the reaction of the fatty acids and amine in intimate admixture with the hydrocarbon diluent and the other constituents of the stearine pitch.

2,600,944
CHAIR SEAT
Samuel Victor, Chicago, Ill., now by judicial change of name Sam Women Sam
Application July 22, 1948, Serial No. 42,961
8 Claims. (Cl. 155—112)



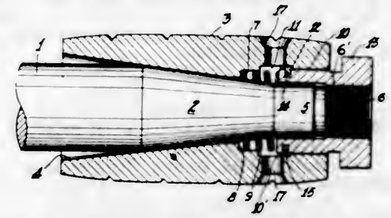
7. A long chair seat comprising a pair of laterally spaced leg and thigh supporting members and an inner leg and thigh supporting member interposed therebetween, said pair of leg and thigh supporting members and said inner leg and thigh supporting member being elongated longitudinally disposed and rigidly interconnected, said pair of leg and thigh supporting members extending rearwardly with respect to the rear end of said inner leg and thigh supporting member a distance required to support the buttocks laterally conformably in a sitting position, a rear buttocks supporting member interposed laterally between and rigidly interconnected with said pair of leg and thigh supporting members and located at a suitable distance rearwardly with respect to said rear end of said inner leg and thigh supporting member to support the rear of the buttocks longitudinally conformably in a sitting position, and a supple concave sheet member spanning across and suspended from each of said pair of leg and thigh supporting members and said inner leg and thigh supporting member and also spanning across and suspended from said rear buttocks supporting member and the rearwardly extending segments of said pair of leg and thigh supporting members, the segment of said sheet member which spans across and is suspended from each of said pair of leg and thigh supporting members and said inner leg and thigh supporting member being adapted to support and conform to the legs and thighs laterally in a sitting position, and the segment of said sheet member which spans across and is suspended from said rear buttocks supporting member and said rearwardly extending segments of said pair of leg and thigh supporting members being adapted to support and conform to the buttocks laterally and also to support and conform to the rear of the buttocks longitudinally in a sitting position.

2,600,945
METHOD OF DEHYDRATION
Daniel B. Vincent, Tampa, Fla.
Application October 18, 1946, Serial No. 703,993
10 Claims. (Cl. 34—10)



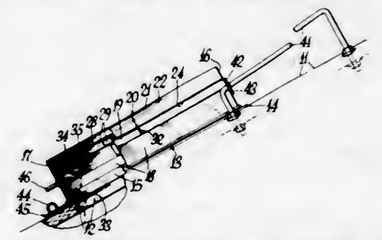
1. The method of dehydration which consists in establishing a tortuous current of previously unused heated gases successively through concentric initial, intermediate and final dehydrating zones, delivering to said current the material to be dehydrated and continuously moving the material therewith, measuring the temperature of the mixed gases and material as they pass from the intermediate to the final dehydrating zones, varying the dehydrating conditions in said final dehydrating zone by by-passing previously unused heated gases around said initial and intermediate zones and introducing it into said final dehydrating zone and controlling the rate of introduction of said by-passed heated gases into said final dehydrating zone in accordance with the measured temperature of said current of unused heated gases as they pass from the intermediate to the final dehydrating zone.

2,600,946
MOUNTING AND DEMOUNTING OF PULLEYS, GEARS, WHEELS, AND LIKE ELEMENTS
Alfred Voedisch, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application January 20, 1947, Serial No. 723,118
6 Claims. (Cl. 287—53)



1. As a means of tightly attaching a wheel, pulley, gear or other torque-transmitting element to a shaft or spindle, a differential nut preassembled with said element, by interengaged screw threads of nut and element respectively, resilient means carried by said nut and operable in response to such pre-assembly for locking said element and said nut against dis-assembly, and spring means for creating a frictional resistance against relative turning between said parts on said first-mentioned threads, said nut having coarser screw threads adapted for interengagement, upon application of said assembly to said shaft, with corresponding shaft threads.

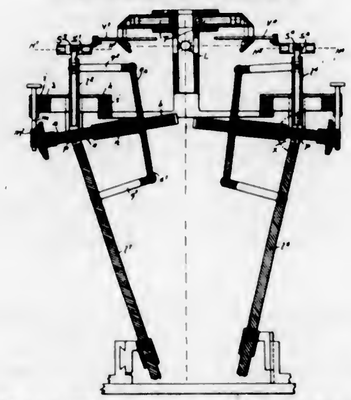
2,600,947
COMBINED HATCH COVER AND VENTILATOR FOR STORAGE TANKS
Wilhelm F. Wagner, Williamsville, N. Y.
Application May 27, 1950, Serial No. 164,798
11 Claims. (Cl. 220—38)



1. In combination, a sprinkler system water storage tank having a framed hatch opening in its sloping roof, and a combined hatch cover and ventilator unit for enclosing the hatch opening and ventilating the tank, said unit comprising an inverted box-like body having oppositely disposed openings located in its side wall adjacent its top wall, a baffle strip adjoining the side wall at the bottom of each opening and extending inwardly in spaced relation to the top wall to provide a transversely short passage therebetween at opposite sides of the body, a similar baffle strip secured to the side wall in spaced relation to and beneath each of the first baffle strips to provide an inwardly opening condensation entrapping pocket at opposite sides of the body, a baffle plate spaced below the top wall to provide a transverse passage in open communication with the short passages for the free flow of gases through the passages, said baffle plate having each of its op-

posite marginal edge portions partially extended into one of the pockets and located between the baffle strips thereof whereby the baffle strips and the edge portions of the baffle plate cooperate in reducing the flow of gases through the pockets and in directing condensation formed thereon into the pockets, means for draining condensation from the lower ends of the pockets and directing it through the hatch opening and into the tank, and means for removably securing the unit in its hatch enclosing and tank ventilating position.

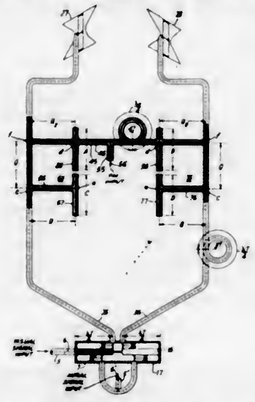
2,600,948
PLOTTING APPARATUS FOR PHOTOGRAMMETRIC SURVEYS
Heinrich Wild, Baden, Switzerland
Application September 26, 1947, Serial No. 776,269
In Switzerland October 9, 1946
4 Claims. (Cl. 33—20)



1. In a plotting apparatus for photogrammetric surveys in which a pair of stereoscopic images is viewed through a viewing stereoscope, pairs of spatial rods comprising image space rods and object space rods, each of said pairs of rods extending through the corresponding center of projection and forming an angle of convergence, an auxiliary axle passing through each of said centers of projection, means for setting said auxiliary axles at half the angle of convergence relative to the space rods of each of said pairs, and means for coupling the space rods of each of said pairs to the corresponding auxiliary axles, said coupling means being adapted to glide upon said auxiliary axles upon movement of said rods in one direction and to rotate upon said auxiliary axles upon movement of said rods in the other direction, so that the spatial angles between said object space rods and said auxiliary axle correspond exactly to the spatial angles between the latter and said image space rods.

2,600,949
TRANSMISSION LINE NETWORK
Lester J. Wolf, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1947, Serial No. 723,317
6 Claims. (Cl. 178—44)

1. A triplexer arrangement for translating radio wave energy of three separated bands of frequencies to a utilization device, including a pair of coaxial transmission lines for carrying radio wave energy of two of said frequency bands adjacent each other, the lengths of said transmission lines differing by a quarter wavelength at a given frequency intermediate the uppermost and lowermost frequencies of said two bands to present energy in phase quadrature relationship at the output ends of said transmission lines with respect to the energy applied to the input ends of said coaxial transmission lines, a concentric transmission line bridged across said pair of coaxial transmission lines for carrying radio wave energy of a third frequency band outside said two frequency bands applied to said bridging transmission line at a predetermined point, the distance from said predetermined point to said output ends of said coaxial transmission lines differing by a quarter wavelength at the midband frequency of said third frequency band to present

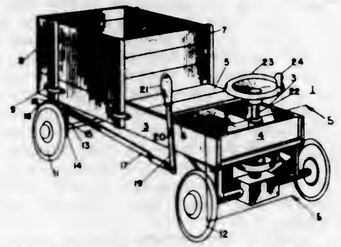


energy in phase quadrature relationship at said output ends, means interposed in said concentric transmission line between said predetermined point and the points of connection of said concentric transmission line to said pair of coaxial transmission lines to prevent flow of energy at frequencies within said two frequency bands from the input ends of said coaxial transmission lines toward said predetermined point on said concentric transmission line, further means interposed in said pair of coaxial transmission lines between the points of connection thereof to said concentric transmission line and the input ends of the coaxial transmission lines to prevent flow of energy at frequencies in said third frequency band from said predetermined point on said concentric transmission line toward said input ends of said coaxial transmission lines.

2,600,950
MANUALLY PROPELLED VEHICLE
Joseph M. Wyche and Christine A. Wyche, Dayton, Ohio
Application June 17, 1949, Serial No. 99,698
1 Claim. (Cl. 280—249)

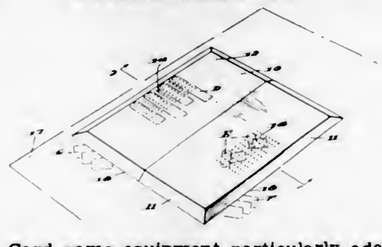
A wagon comprising a chassis mounted on wheels, forward and rear, means for driving, coasting and braking the forward wheels, said means comprising a shaft extending upwardly from the chassis and carrying a pair of ratchet wheels, the teeth of which are arranged in opposite directions, one of the ratchet wheels operating through a pawl and movable plate mechanism for applying a braking effect to the forward wheels acting as a driver, and the other ratchet wheel operating through a pawl and an attached plate for driving the front wheels in

the forward direction when the shaft is rotating, but permitting a disconnection of this other



ratchet wheel when the front wheels become the driver and the last mentioned ratchet wheel is held stationary.

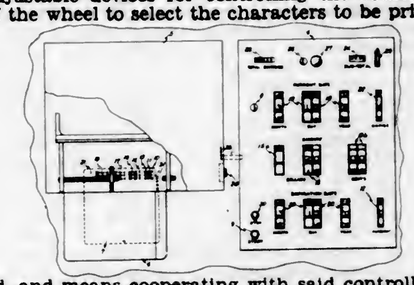
2,600,951
CARD GAME EQUIPMENT
Benjamin F. Edwards, Santa Monica, Calif.
Application August 12, 1947, Serial No. 768,213
5 Claims. (Cl. 273—148)



1. Card game equipment particularly adapted for use in breezy locations, said equipment comprising at least one complete deck of playing cards and a playing surface for supporting cards of said deck in the play of the game; each of the cards of said complete deck being of substantially conventional shape, thickness and flexibility, and each of said cards containing in its body paramagnetic material extending throughout its area, so that every card of the complete deck is uniformly flexible throughout its area and capable of being held by a magnetic force and so that the deck of cards is capable of being shuffled by riffling; said playing surface being horizontally disposed in normal use and of a size to receive cards normally displayed on a playing surface during the playing of a card game, said playing surface comprising at least one substantially planar card receiving display area equal in size to the sum of the areas of a plurality of said playing cards, and said playing surface comprising magnetic elements underlying said substantially planar card receiving area and creating a magnetic field substantially coextensive with said card receiving area for magnetically retaining on said display area any of the paramagnetic cards of said deck as they are merely placed or dropped thereon.

2,600,952
RECORDING AND ACCOUNTING APPARATUS
Joseph J. Ackell, Bellaire, and Herbert L. Paulding, Port Washington, N. Y., assignors to Dow Jones & Company, Inc., Wilmington, Del., a corporation of Delaware
Application January 13, 1950, Serial No. 138,372
44 Claims. (Cl. 197—1)

1. Recording apparatus which comprises a printing wheel mounted for axial movement to successive printing positions across a record receiving medium, means for rotating said wheel to select the characters to be printed in the successive positions, means including manually adjustable devices for controlling the rotations of the wheel to select the characters to be print-



ed, and means cooperating with said controlling means for compelling a repetition of the same selection of characters a predetermined number of times, said last mentioned means including devices for locking said adjustable devices until such repetition has been completed.

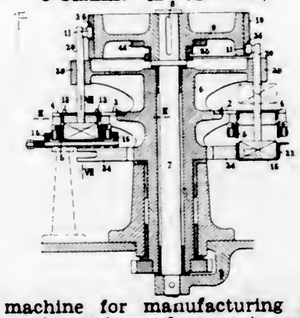
2,600,953
SYNTHETIC POLYMERS FROM HYDROXY AMINO ACIDS
René Aelion, Brooklyn, N. Y., assignor to Organico, Paris, France, a society of France
No Drawing. Application April 18, 1949, Serial No. 88,230. In France April 19, 1948
8 Claims. (Cl. 260—78)

1. A method for producing a synthetic polymer, which comprises polycondensing by heating an amino-hydroxycarboxylic acid of the formula

$$HO-R^{IV}-\underset{\displaystyle R'''}{\overset{|}{N}}-(CH_2)_n-COOH$$

wherein R^{IV} is an alkylene radical containing at least 2 carbon atoms in a straight chain between its two valences, R''' is a monovalent radical selected from the group consisting of hydrogen, alkyl and hydroxyalkyl and n stands for an integer at least equal to 5.

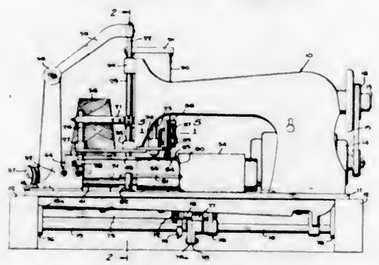
2,600,954
MACHINE FOR THE MANUFACTURE AND DELIVERY OF PARALLELEPIPEDAL PAPERBOARD BOXES
Gérard Bardet, Paris, France
Application June 30, 1949, Serial No. 102,408
In France July 3, 1948
5 Claims. (Cl. 93—44.1)



1. A machine for manufacturing parallelepiped paperboard boxes from rectangular, lined out, slitted and locally glue-coated blanks comprising a fixed vertical shaft, a turret rotatable

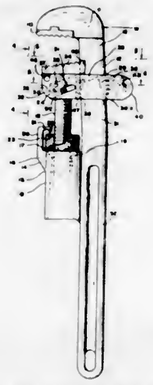
about said fixed vertical shaft, a plurality of stands mounted on said turret and equipped each with a rectangular prismatic box-shaping die to the horizontal top face of which a rod is secured which is guided in a vertical reciprocatory motion in the turret, a horizontal table with a rectangular aperture therein for the passage of the die therethrough, having its width equal to that of the finished box and its length equal to that of the blank, means on the table to correctly position a blank laid on the same with respect to said aperture, a pair of parallel vertical side cheeks resiliently mounted below the table alongside the side edges of said aperture adapted to bend up the side portions of the blank and to press them against the vertical side faces of the die as the latter forces the blank downwards through the aperture in the table, two pairs of clamps mounted below the table and being movable towards each other at right angles to said side cheeks to bend the lugs at the ends of either side portion of the blank while laying them flat against the vertical end faces of the die after said end lugs have been bent upwards together with the said side portions of the blank during the downward stroke of the die and away from each other upon the top face of the die clearing either pair of clamps, a pair of vertical end cheeks resiliently mounted below the respective pairs of clamps substantially in the planes of the die end faces adapted as the die is sunk between the two side cheeks to cooperate with the end faces of said die to lay the glue-coated end flaps of the blank flat against the lugs providing the extensions of either blank side flap and already laid flat against the end faces of the die by the aforesaid clamps and means controlled by the rotation of the turret adapted firstly to sink the die through the table to a position therebelow and cause each pair of clamps to move towards the other in the box-making stroke of the die and secondly to move said clamps clear of the box and lift the die clear of the table, ready for the production of a further paperboard box from a new blank laid on the table of the machine, in the next cycle of operation.

2,600,955
APPARATUS FOR MAKING PAINT ROLLER COVERS AND THE LIKE
Charles H. Barnes, Glendale, and Frank Grosse, Los Angeles, Calif., assignors, by mesne assignments, to Rubberset Company, Newark, N. J., a corporation of New Jersey
Application October 26, 1948, Serial No. 56,628
12 Claims. (Cl. 112—79)



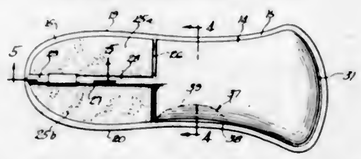
1. In a device for forming a chenille pile on a wall surface of a fabric tube to produce a paint roller cover or the like, the combination of a relatively stationary member for supporting the fabric tube from the interior thereof, feed means cooperating with said member for turning the fabric tube about its longitudinal axis, a reciprocable needle bar on one side of the wall of the tube, an apertured needle carried on said bar adapted upon reciprocation of said bar to pass through the tube wall and to carry loops of yarn therewith to the other side, means for advancing the tube axially in coordination with the turning thereof, cutting means positioned on said other side of the tube wall adapted to cut the yarn loops passed through said tube by said needle, so that the free ends of the cut loops may form a chenille pile, and means for operating said feed means, said needle bar, and said cutting means in synchronism.

2,600,956
ROCKABLE INNER JAW WRENCH
Max Barnett, Brooklyn, N. Y.
Application May 15, 1946, Serial No. 669,812
8 Claims. (Cl. 81—93)



2. In a wrench for turning an article, a shank having an overhanging head including a fixed jaw, a mount having an arcuate cam face and depending threaded means, a shiftable jaw embodying an inclined rectilinear wall seated on said face, a nut cooperating with said threaded means for displacing said mount to move said shiftable jaw towards or away from said fixed jaw, a saddle loosely straddling said shank and having spaced sides secured at their forward ends to said shiftable jaw, a pin and slot connection between said mount and saddle, and spring means cooperating with said saddle for yieldably urging said shiftable jaw towards said shank.

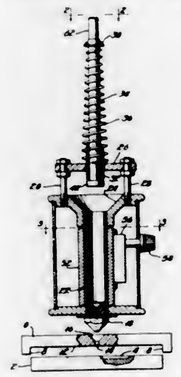
2,600,957
PNEUMATIC ARCH SUPPORT
Frank Bartis, Chicago, Ill.
Application December 19, 1949, Serial No. 133,796
1 Claim. (Cl. 36—71)



A pneumatic arch support comprising a pair of smooth, thin, leather sheets, forming a housing and stitched together along a line adjacent the

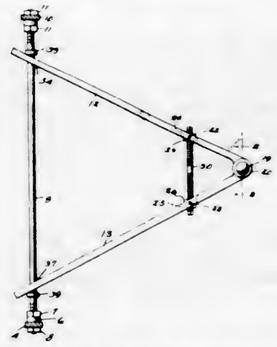
peripheries of said sheets, the said housing conforming substantially to the shape of an insole, which terminates back of the toes of the user, said housing having flat, spaced, cork heel pad portions located between said sheets at the heel end and spaced from each other to form a space for a filling tube, an arch supporting pad of sponge rubber positioned between said sheets on the inside of the arch portion and tapering inwardly and longitudinally from a thicker edge portion toward both ends of said arch supporting pad, an inflatable member comprising an integral molded member of soft, resilient sheet material, having an integral backwardly extending filling tube, and conforming substantially to the shape of the inside of said housing, in advance of said heel pad, and a valve comprising a soft, tubular, resilient member having a tapered bore ending at a cylindrical split end portion, said split end portion being held closed by the compression exerted on it by a circumferentially extending end portion of said resilient filling tube.

2,600,958
MOLDING APPARATUS
Murray M. Barton, Wichita, Kans., assignor to Consolidated Equipment Co., Wichita, Kans., a corporation of Kansas
Application August 19, 1947, Serial No. 769,360
5 Claims. (Cl. 18—30)



1. A unitary hopper and heat processing assembly for use in conjunction with a mold having an internal cavity for receiving plastic material and a drill press having a table, a vertically movable chuck, and a lever system for applying downward force to said chuck; said assembly being useful for molding small articles from heat softenable material and comprising: a supporting member adapted to be releasably clamped in and extend downwardly from said chuck, a frame normally supported by and vertically movable with and with respect to said supporting member surrounding said supporting member, a spring member biasing said frame downwardly with respect to said supporting member to provide closing force for the mold to prevent leakage, a barrel secured to said frame and including a chamber for heat softenable material, a heating element supported by said frame and cooperating with said barrel to heat said softenable material, a thermostat associated with the barrel and controlling the heating of said element, an extrusion nozzle secured to said barrel for guiding and restricting the flow of said softenable material therefrom, and a plunger portion connected to said supporting member and movable into said chamber as a piston to extrude material through said nozzle; whereby under a first condition of operation said unitary assembly is supported in the drill press entirely by the vertically movable chuck, and under a second condition of operation said chuck moves said supporting member and unitary assembly downwardly in unison until such motion is prevented by contact between the lower portion of said assembly and said table, whereupon continued downward movement of said chuck causes said plunger portion to move downwardly relative to said barrel thereby extruding said softenable material through said nozzle.

2,600,959
HITCH
John C. Bender, Hartville, Ohio
Application June 22, 1950, Serial No. 169,722
3 Claims. (Cl. 280—33.44)

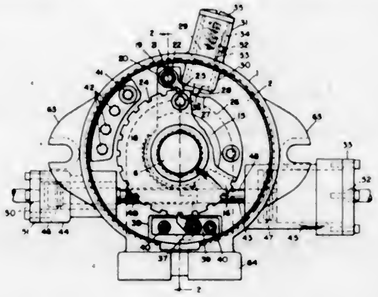


3. A trailer hitch comprising a cross bar adapted for fixed connection to a towing vehicle; a pair of arms, means connecting said arms for movement in an arcuate path about a common axis, said arms having recesses extending therethrough remote from the common axis for receiving the cross bar, said recesses lying perpendicular to the arcuate path, jaw members carried by the arms adjacent the recesses for partially embracing the cross bar when the arms are spread, and means carried by and extending between the arms for moving said arms about the common axis and thereby moving said jaw members into and out of rod embracing position.

2,600,960
INDEX FIXTURE
Milton L. Benjamin, Shaker Heights, and Franklyn E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin
Application December 8, 1948, Serial No. 64,116
6 Claims. (Cl. 90—57)

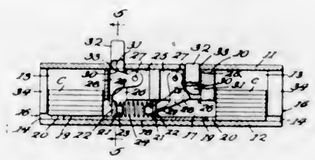
1. In an index fixture, the comination with a ratchet mechanism comprising a driven member, and a driving member movable in opposite directions having a one-way driving connection with said driven member, of a housing, said driven member comprising a spindle rotatable in said housing and a ratchet wheel non-rotatably fixed on said spindle, said driving member comprising a pawl support member rotatably mounted on said spindle adjacent said wheel, and a driving pawl on said pawl support member engageable in the interdental spaces in said

wheel when said pawl support member is rotated in the direction of such one-way driving connection, a positively holding pawl in said housing operative to hold said wheel against rotation in a direction opposite to such one-way driving connection, a locking plunger in said housing



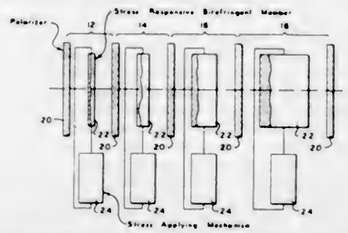
movable into and out of locking engagement with said wheel, and a cam on said pawl support member operative to disengage said locking plunger from said wheel upon rotation of said pawl support member and driving pawl thereon in a direction opposite to its one-way driving connection with said wheel and spindle.

2,600,961
COIN STORING AND DISPENSING DEVICE
Harry C. Biehl, Berwick, Pa.
Application December 13, 1948, Serial No. 64,985
2 Claims. (Cl. 133—5)



1. In a coin storing and dispensing device, a casing including a body having recesses in its under side terminating in coin delivery slots, said body having coin receiving cells extending from the top of the body to said recesses, a disc in each of said recesses slideably movable between a protracted position at least partially closing a respective cell bottom and a retracted position leaving said cell bottom open, said discs each having an upstanding lug, a rockable lever for each disc pivoted in the body and having a downwardly extending finger freely engaging the disc lug to retract the same upon downward biasing of said lever, depressible pins slidably engaging the levers to bias the same, said discs being arranged in pairs with their lugs having confronting and aligned coil spring supporting pins, a single coiled spring engaged between each pair of said upstanding lugs and seated on said spring supporting pins, a top cover plate secured to said body and closing the upper ends of said cells, said top cover plate having openings wherethrough said pins protrude, and a bottom cover plate secured to said body and closing said recesses.

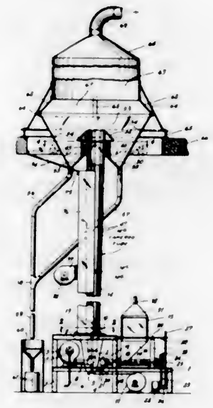
2,600,962
TUNABLE NARROW BAND OPTICAL FILTER
Bruce H. Billings, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application October 9, 1948, Serial No. 53,703
10 Claims. (Cl. 88—65)



1. A tunable, narrow-band, optical filter of the polarization interference type having discrete transmission bands and a relatively wide aperture, said filter comprising a multiplicity of polarizers and a multiplicity of birefringent members so arranged as to provide a plurality of superposed channel spectra-producing components, a polarizer being located on each side of said birefringent members, each said birefringent member comprising at least one stress-responsive birefringent element capable of having the wave retardation characteristics thereof varied by the application of a stress thereto, the birefringent member of each said channel spectra-producing component following the first component having an effective wave retardation thickness approximately twice that of the preceding birefringent member, said channel spectra-producing component acting to transmit light over narrow, widely spaced bands of the optical spectrum, stress-applying means physically connected to each of said stress-responsive elements and capable of applying a predetermined stress thereto, said stress-applying means being so connected to said stress-responsive elements that each said stress-responsive element is maintained by said stress-applying means under a uniform stress over its entire effective light-transmitting area so as to be uniformly birefringent throughout said area, and means for controlling the operation of said stress-applying means to vary the stress applied to said elements, said controlling means being operative, by varying the stress applied to said elements, to change the wave retardation characteristics of said members by not more than approximately one-half wavelength so as to shift the position of the transmission bands of said filter along the spectrum.

2,600,963
METHOD AND APPARATUS FOR FORMING GLASS BEADS
Charles C. Bland, St. Louis, Mo.
Application April 8, 1948, Serial No. 19,738
10 Claims. (Cl. 49—58)

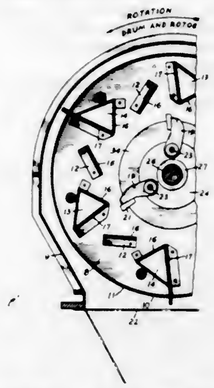
1. In an apparatus of the type described, a vertical draft tube, means mounting the tube for vertical and rotating movement, including a ring secured to the lower edge of said tube, and a cam engaging said ring to impart periodical rotary and vertical movements to said tube, a source of heat below said tube so disposed as to direct heat into said tube, an inlet conduit in the lower end of the tube, means for introducing mixed air and glass particles into the inlet conduit, said conduit being provided with a spiral member to direct said air and glass particles in a whirling, upwardly directed motion into the heat in said tube to shape said glass particles into beads, and a container at the top of the tube to receive the beads which are discharged therefrom.



4. In a method of producing small glass beads in a vertical circular tube, the steps of introducing a combustion gas vertically upward into the bottom of the tube under predetermined pressure, discharging irregularly shaped small glass particles entrained in air, medially of the tube, in an upward, spiralling path, thereby mixing the gas and air, producing combustion in the tube, continuously elevating the particles in the tube by the upwardly spiralling burning gases, and by said spiralling increasing the dwell of the particles within the tube during their ascent through it, heating the particles during such elevation and causing them to assume spherical shapes, and discharging the spherically shaped particles from the top of the tube.

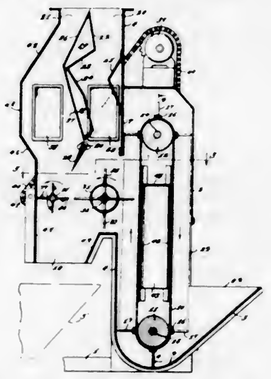
2,600,964
APPARATUS FOR REDUCTION OF FRANGIBLE MATERIAL
George W. Borton, Philadelphia, and Stanley D. Hartshorn, Wayne, Pa., assignors to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Original application August 9, 1946, Serial No. 689,372. Divided and this application April 1, 1948, Serial No. 18,368
3 Claims. (Cl. 241—85)

1. Apparatus for reduction of pieces of thin frangible material comprising a horizontal rotary cylindrical screen adapted to discharge outwardly particles less than a predetermined size, impact members rotating around an axis within said screen receiving and fracturing said pieces of thin frangible material and delivering them to said screen, inwardly directed shelves abutting the inner surface of said screen and adapted to pick up over-size particles and return them to said impact members for further fracturing and separate strips between said shelves, each strip being spaced from said screen and positioned at an angle to the radius of said axis to interpose surfaces receiving the impact of material from said rotating members and deliver said



material outward to said screen between said shelves.

2,600,965
PNEUMATIC SEPARATOR
Karl J. Brandau, Wheeling, W. Va., and Robert L. Funk, Bellaire, Ohio
Application November 17, 1948, Serial No. 60,532
8 Claims. (Cl. 209—139)



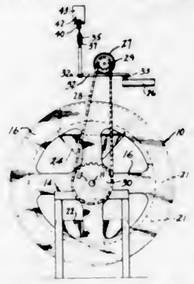
1. A pneumatic separator comprising a vertically disposed casing containing a separating chamber and a conveyer chamber substantially parallel therewith, said separating chamber having an open unobstructed bottom and having suction means connected with the top thereof, said chambers having an opening between them at a point near the bottom of said separating chamber, said conveyer chamber also having a material-receiving opening, whereby air is drawn into and up through said separating chamber both through its open bottom and through said openings, an endless vertically disposed conveyer in said conveyer chamber having one run passing upwardly in close proximity to the opening between said chambers, and a rotary doffer mounted in said separating chamber adjacent said opening between the chambers and projecting therethrough into the path of said conveyer, whereby said doffer serves to strip the material from said run of the conveyer and deliver it into said separating chamber.

2,600,966

METHOD OF AND APPARATUS FOR CONTINUOUSLY WEIGHING AGGREGATE

Robert M. Carrier, Jr., Aurora, Ill., and Maurice G. Whitley, Louisville, Ky., assignors to Carrier Conveyor Corporation, Louisville, Ky., a corporation of Kentucky

Application August 12, 1947, Serial No. 768,134
12 Claims. (Cl. 265—27)



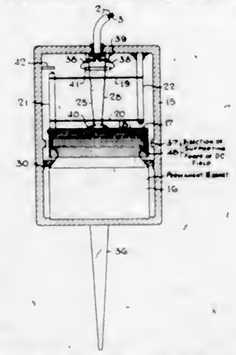
5. In a conveyor structure, an elevatable conveyor flight adapted to carry a conveyor material, a prime mover to elevate said flight, said conveyor structure having an inlet and an outlet spaced above said inlet and adapted to receive the conveyable material elevated by said conveyor flight, energy measuring means connected to said prime mover and actuatable as a function of the energy delivered by said prime mover to said conveyor flight, and weight indicating means cooperating with said energy measuring means and responsive to variations in the measured energy to continuously indicate the quantity of conveyable material carried by said conveyor flight during elevation thereof.

2,600,967

LOW-FREQUENCY VIBRATIONAL PICKUP

Allen A. Chernosky, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application June 5, 1948, Serial No. 31,300
11 Claims. (Cl. 171—209)



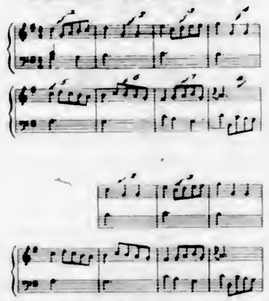
1. Apparatus for converting mechanical vibrations to electrical vibrations consisting of the combination of a casing containing a magnet, a coil element positioned in the magnetic field of the magnet, spring mounted supporting means for the coil element capable of affording at least partial support for said coil element, and an electrical circuit connected to the said coil element comprising a source of direct current, whereby an electromagnetic field is developed to co-act with the magnetic field of the said magnet to supplement the said support of the spring supporting means whereby said coil element acts as an inertia element remaining substantially motionless on vibration of the casing.

2,600,968

GRAPHIC METHOD OF TEACHING MUSIC

Mary Church, Cambridge, Mass.

Application June 30, 1949, Serial No. 102,173
1 Claim. (Cl. 84—470)



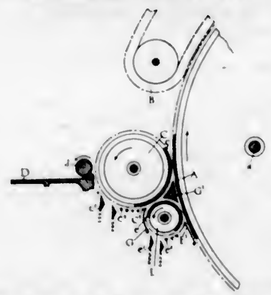
A method of teaching instrumental music which consists in projecting a plurality of consecutive equal sections of a musical composition onto a screen in sight-reading view of the pupil, consecutively changing the projections at a frequency leaving each projection on the screen for a time period equal to the timing of one of said sections of the composition, and eliminating in each succeeding projection the foremost section of the next preceding projection, whereby each memorized sight-read section of the composition may be instrumentally reproduced by the pupil simultaneously and in equal time period with the sight-reading of the next succeeding section of the composition.

2,600,969

CARDING ENGINE WITH SECONDARY TAKER-IN

George Clapperton, Bolton, England, assignor to Nuclotex Limited, Bolton, England

Application September 30, 1948, Serial No. 52,009
In Great Britain July 31, 1948
5 Claims. (Cl. 19—105)



2. A carding engine for textile fibers, comprising in combination, a card cylinder; a primary taker-in roller arranged parallel to said card cylinder and engaging the same; a secondary taker-in roller arranged parallel to said card cylinder and said primary taker-in roller so as to engage the same, said secondary taker-in roller being arranged below said primary taker-in roller and being driven in the same direction as, and at a greater peripheral speed than, the primary taker-in roller; a first wire clothing arranged on said primary taker-in roller; a second wire clothing arranged on said secondary taker-in roller, said second wire clothing being finer than, and in engagement with, said first wire clothing; mote knife means arranged below said secondary taker-in roller; and transverse grid bars arranged below said secondary taker-in roller whereby said secondary taker-in roller removes the greater part of the fiber from said primary taker-in roller and delivers the same to said card cylinder.

2,600,970

CIGAR AND CIGARETTE HOLDER

Sandford P. P. Clarke, Bronx, N. Y.

Application June 16, 1948, Serial No. 33,312
2 Claims. (Cl. 131—175)



1. In a safety holder for burning cigars and the like having a perforated tubular case closed at one end by a hollow mouthpiece provided at its inside with a coiled cooling tube having one end extended concentrically into the adjacent end of the tubular case with a cap closing the other end of the tubular case and a clip slidably positioned within the tubular case to have the end of the cigar mounted therein, means interconnecting the cap and clip so that when the cap is moved to open the said other end of the tubular case to have a cigar positioned therein the clip will be slid to the said other end of the tubular case to receive the cigar, said interconnecting means comprising an elongated bar extending from the cap along one side of the tubular case, the clip being normally positioned at the end of the tubular case closed by the mouthpiece and formed with a concentric hole into which the said one end of the cooling tube extends, the tubular case having an elongated longitudinally extended slot in the side along which said bar extends, and a pin extended from the free end of said bar through said slot and connected to the clip.

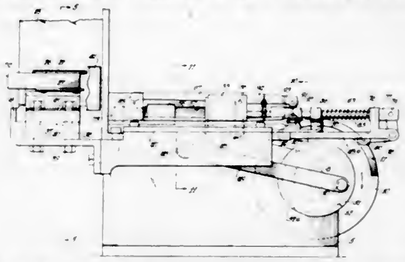
2,600,971

TAMPON APPLICATOR GRIP FORMING APPARATUS

Howard A. Collins, Neenah, and Howard M. Ruth, Appleton, Wis., assignors to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware

Application July 1, 1948, Serial No. 36,528
5 Claims. (Cl. 164—90)

1. In apparatus of the class described, means for holding a tube in predetermined position, a reciprocating carrier, a rod mounted on said carrier for reciprocating movement therewith and so as to be longitudinally movable independently thereof and in the direction of its reciprocating movement, a plurality of punch bars extending lengthwise of said rod and substantially radially therefrom, resilient means normally holding said punch bars in contracted relationship to each other around said rod, outwardly projecting punches carried by end portions of said punch bars, an expander carried by said rod outwardly of the punch carrying ends of said punch bars, the adjacent ends of said punch bars being provided with angularly disposed end portions and said expander having angularly disposed portions for engaging said punch bar end portions for effecting expanding movement of said punch bars relative to each other and relative to said rod as an incident to endwise movement of said rod independently of said carrier, and means for effecting such independent movement of said rod in predetermined timed relationship to the reciprocating movement of said carrier.



2,600,972

ADDRESS PLATE RETAINING MEANS

Courtney Lee Comegys, University Heights, and Elmer A. Haig, Shaker Heights, Ohio, assignors to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application October 8, 1947, Serial No. 778,632
4 Claims. (Cl. 101—369)



1. A printing device comprising a card member having an opening formed therein, a printing plate mounted in said card member within said opening and having two recesses formed therein, said printing plate having type characters projecting from one face thereof, and a carrier member, said carrier member comprising a transparent sheet member covering one face of said card member and extending across said one face of said printing plate, and another transparent sheet member covering the other face of said card member and the other face of said printing plate, said sheet members being bonded together around the periphery of said card member, one of said sheet members projecting down into said recesses so as to interlock therewith, and said sheet members being bonded together in areas effective to maintain such interlock, said type characters projecting outwardly through said first mentioned transparent sheet member.

2,600,973

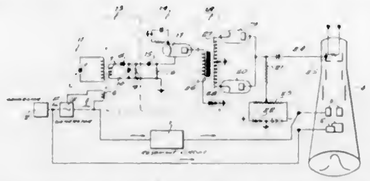
DEVICE FOR MEASURING THE RESONANCE-MAGNIFICATION OF RESONANT SYSTEMS

Georges N. Comte, Lyon, France, assignor to Compagnie Generale d'Electricite, Paris, France, a French corporation

Application January 18, 1950, Serial No. 139,168
In France February 8, 1949
12 Claims. (Cl. 315—22)

1. In a control circuit for cathode ray tubes having a Wehnelt cylinder, in combination, an

element supplied with a periodically varying voltage; a differentiating set connected to the output of said element supplied with a periodically varying voltage, said differentiating set yielding a voltage being substantially the differential in relation to time of the voltage supplied to said element; a phase transformer connected to the output of said differentiating set and yielding two voltages being in phase opposition to each other; two electronic tubes symmetrically arranged and connected to the secondary winding of said phase transformer, said tubes being fed by the voltages being in phase opposition to each other, respectively, yielded by said phase transformer; a common anode circuit connected



to said tubes, said anode circuit yielding a voltage of constant direction; a source of polarization of the Wehnelt cylinder of the cathode ray tube; and a resistance arranged in series between said source of polarization and the Wehnelt cylinder of the cathode ray tube and traversed by the anode current of said two tubes so that the voltage drop across said resistance charges the Wehnelt cylinder of the cathode ray tube so as to pass the cathode beam in the absence of a current in said common anode circuit of said two tubes and to stop the same when a current is flowing in said common anode circuit, whereby a mark of extreme fineness is produced on the screen of the cathode ray tube.

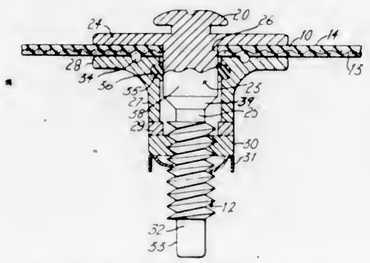
2,600,974

HANGER FITTING

William B. Crawford, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 23, 1949, Serial No. 100,917

4 Claims. (Cl. 150—0.5)



1. A detachable hanger fitting for a container comprising a stud having a head for attaching said stud to a supporting structure, said stud also having a container wall clamping flange and an inner threaded stem formed integrally therewith, a sleeve adapted to slidably fit over said stem, a flange on said sleeve adapted to clamp a wall of the container against said first flange, a clamping nut threaded on said stem to retain said sleeve in clamped position, and a lock nut for retaining said clamping nut in clamped position.

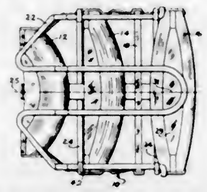
2,600,975

UNITARY CONDENSER LENS ASSEMBLY MOUNTING MEANS FOR PROJECTORS

David I. Critoph, Grand Rapids, Mich., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application February 10, 1951, Serial No. 210,404

5 Claims. (Cl. 88—57)



1. A condenser assembly for use in a projector or the like, and constructed and arranged to hold a plurality of optical components forming a condenser lens system in optical alignment and in predetermined spaced relation relative to each other, said assembly comprising a plurality of longitudinally spaced transversely disposed generally U-shaped frame members formed of relatively long thin narrow material, a plurality of longitudinally extending elongated pieces of relatively thin narrow material fixedly secured to each of said spaced frame members at spaced points so as to form a three-sided framework, each of said elongated pieces of material being similarly bent at a plurality of locations intermediate its ends so as to form a plurality of inwardly facing recesses, said elongated pieces being secured to said frame members in a manner so as to locate like recesses in said pieces in common transverse planes respectively, the width of each recess and its spacing relative to the other recesses in the same transverse plane being such as to accommodate and firmly operatively engage spaced peripheral portions of each of said optical components, and a removable closure member having spaced portions resiliently and releasably engaging opposite free end portions of each U-shaped frame member, and having intermediate portions thereof resiliently engaging peripheral portions of each of said optical components so as to retain same in said frame work in said predetermined spaced relation.

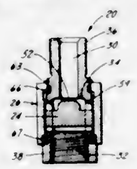
2,600,976

VALVE

William P. Dalrymple, Rochester, N. Y., assignor to American Brake Shoe Company, Wilmington, Del., a corporation of Delaware

Application October 23, 1947, Serial No. 781,588

4 Claims. (Cl. 251—8)



2. A valve comprising a substantially cylindrical-shaped body member having a passageway extending longitudinally therethrough and having openings extending therethrough transversely to said passageway, said body member having an annular-shaped shoulder formed integrally therein and encircling a portion of said passageway

to afford a valve seat, a one-piece valve member mounted in said passageway in position for movement into sealing engagement with said shoulder and having portions extending outwardly through said openings, said valve member being of such size that it may be moved into and out of said passageway through one of said openings, and a collar member rotatably mounted on said body member and operatively engaged with said portions of said valve member for moving said valve member into and out of sealing engagement with said shoulder to thereby open and close said passageway.

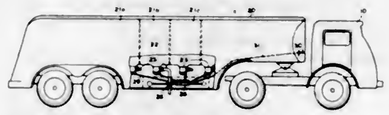
2,600,977

EMERGENCY VALVE SYSTEM

Joseph H. De Frees, Warren, Pa.

Application October 13, 1948, Serial No. 54,336

6 Claims. (Cl. 222—52)



1. Liquid discharge control means for a liquid storage tank provided with a compartment having an outlet port, said discharge control means comprising an emergency valve operatively associated with said port and being normally biased to closed position whereby discharge from said compartment is normally prevented, servomotor valve operating means associated with said emergency valve and responsive to air pressure, for overcoming said normal valve closing bias, an air pressure source comprising a manually operatable air pump, compressed air flow transmission means for transmitting compressed air directly from said pump to said servomotor, emergency ventable means in said transmission means for venting said compressed air pressure to atmosphere, manually controllable valve means in said transmission means for controlling air flow therethrough whereby to cause normal opening and closing of said emergency valve, said air flow transmission means between said pump and said manually controllable valve means consisting solely of piping of small volumetric capacity whereby venting of said compressed air to atmosphere occurs immediately when said emergency venting means becomes operative.

2,600,978

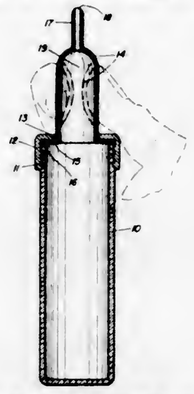
PREMATURE INFANT FEEDER

Salvatore J. Demarco, Jr., Baltimore, Md., assignor to Products Manufacturing Co., Inc., a corporation of Maryland

Application April 11, 1949, Serial No. 86,755

1 Claim. (Cl. 215—11)

A nursing bottle for premature babies comprising an open-ended cylindrical container having a relatively small diameter and a limited depth so that the bottle may be held firmly in the palm of the hand and gripped by the fingers, said container having outer threads adjacent its open end, a flexible nipple having an imperforate lower flange resting on the edge of the bottle, a cap having internal threads cooperating with the threads on the container to secure the imperforate flange in place, a vertical imperforate cylindrical extension projecting upwardly from the imperforate flange, said extension being of a diameter smaller than that of the bottle, said extension terminating in dome-shaped portion, and a feeding tip protruding centrally and upwardly from the center of the dome-shaped portion to a substantial extent so that it may be forcibly inserted in the mouth of the premature baby, said feeding tip having a tenuous passage therethrough communicating with the aforementioned cylindrical extension,



whereby pressure by the fingers of the user on the outer walls of said extension will cause minute drops of the contents of the bottle to issue through the tenuous passage, the dome-shaped portion acting as a stop when the feeding tip is inserted in the baby's mouth.

2,600,979

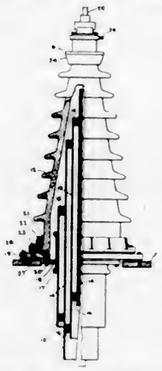
INSULATING BUSHING WITH PRESSURE-LIMITING MEANS

Jean Dormont, Enghien-les-Bains, France, assignor to General Electric Company, a corporation of New York

Application April 13, 1948, Serial No. 20,712

In France July 28, 1947

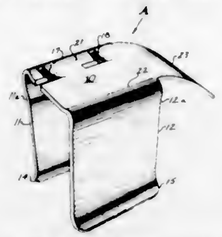
1 Claim. (Cl. 174—12)



Electrical apparatus comprising a container, an electrical unit mounted in said container, said electrical unit including a conducting lead extending therefrom to the exterior of said container, a hollow porcelain insulating member mounted externally of said container and supporting said conducting lead, a plurality of concentric tube members mounted within said hollow insulating member and extending therefrom to the interior of said container, a mounting flange for said tube members, a plurality of orifices in said flange in communication with the interior of the hollow insulating member and container,

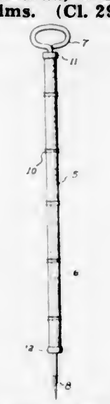
said tube members having annular spacers mounted at the extremities thereof, said annular spacers having orifices therein, means including a conservator mounted above said container for causing a dielectric fluid to fill said container and said hollow insulating member, the circulation of said dielectric fluid being restricted by said annular spacers and said dielectric fluid flowing solely through said orifices, and pressure relief means mounted on said container, said orifices being of such restricted size as to protect said porcelain insulating member from a sudden pressure rise in the fluid in said container until said pressure relief means has time to operate and relieve said pressure rise.

2,600,980
FILM CLIP
Reginald John Eyre, Toronto, Ontario, Canada
Application October 12, 1950, Serial No. 189,859
6 Claims. (Cl. 206—53)



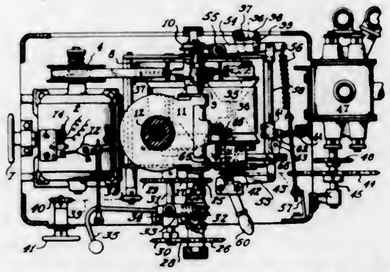
4. A clip for fixing the free end of a roll of film to a reel upon which it is wound, comprising a substantially flat top, side arms depending downwardly from opposed side edges of said top to form, in combination with said top, a substantially U-shaped cross-section, said side arms being resilient and spaced apart to clip over the marginal areas of opposed sides of said film reel, lugs carried by said top and projecting from the upper side thereof and adjacent a side edge thereof, said lugs being arranged with their longitudinal axis in alignment with each other and spaced apart to co-act with aligned sprockets on a film.

2,600,981
LITTER COLLECTOR
Thomas H. Fahey, Portland, Maine
Application October 21, 1948, Serial No. 55,679
4 Claims. (Cl. 294—61)



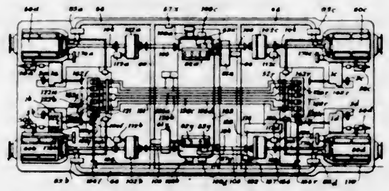
1. A litter collecting device consisting of a tubular sheath and a rod slidably mounted in said sheath and being of appreciably lesser diameter than the inside diameter of said sheath, said rod including a handle at one end and an impaling point at its other end and being of such length that when the handle is seated against one end of the sheath, said point is exposed beyond the other end of the sheath, said rod including an intermediate bow portion effecting its frictional engagement with the sheath interior, and an annular shoulder at said other end of said sheath establishing a port of substantially the diameter of said rod and providing a flat surface by which litter is forced from said point as said handle is withdrawn from its seated position.

2,600,982
CONTROL AND CUTOFF MECHANISM FOR FILLING MACHINES
Paul R. Fechheimer, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application July 3, 1946, Serial No. 681,291
15 Claims. (Cl. 226—97)



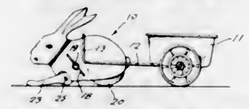
1. In a filling machine for containers, a filling spout, means to supply filling material to the filling spout, a valve adjacent said filling spout, cam means for actuating said valve to open it at the start of a filling operation and to close it at the conclusion thereof, means for supporting said cam stationarily in valve operating position during normal operation of the machine and means for bodily moving said cam to an inoperative position upon interruption of the filling operation.

2,600,983
COMPRESSION IGNITION POWER PLANT
Louis Frederick Rudston Fell, Littleover, and Richard Joseph Walsh Cousins, Shoreham-by-Sea, England, assignors to Fell Developments Limited, London, England, a British company
Application August 11, 1949, Serial No. 109,635
In Great Britain August 26, 1948
15 Claims. (Cl. 74—472)



1. A power plant comprising a main compression ignition engine, a blower driven by a power source independent of said main engine for supercharging said main engine, a fuel injection control member for said main engine, a speed sensitive device driven by said main engine, control means adapted to cause the torque of the main engine to rise as the speed decreases over running speed range of said main engine and arranged to act as an intermediary through which the influence of said speed sensitive device is applied to said fuel injection control member, said control means including a first element connected to and actuated by said speed sensitive device and a second element connected to and actuating said fuel injection control member and manual control means arranged to influence said fuel injection control member to determine the upper torque limit within which said main engine operates.

2,600,984
ANIMATED MECHANICAL TOY
Ernest Fields, New York, N. Y.
Application September 17, 1948, Serial No. 49,720
1 Claim. (Cl. 46—104)



In a toy figure representing a rabbit type animal and animated for imitating the natural hobbling motions of such animal, in combination a hollow body shaped to simulate the body of the animal, a spring actuated motor mounted within the hollow body, said motor including a drive shaft disposed transversely to the hollow body and protruding at both ends from the portion of the hollow body simulating the hind end of the animal, a pair of elliptic discs, each eccentrically secured to one of said protruding shaft ends for supporting the hind end of the animal on a base, each shaft end being secured to the respective disc at a point situated in a section of the long axis of the disc spaced apart from the disc center, one of the shaft ends protruding from the respective disc, a pair of front legs pivoted to the portion of the hollow body simulating the front part of the animal near the base thereof and interconnected for joint pivotal movement, the leg on the side of the hollow body on which the respective shaft end protrudes from the disc being rearwardly extended so as to reach over the said shaft end, a nose extending from the disc from which the said shaft end protrudes on the side of the disc facing the leg extension and situated in a section of the long axis of the respective disc opposite to the aforesaid axis part in relation to the center of the respective disc, the said leg extension being engageable with the nose and the protruding shaft end, the said front legs, the leg extension, the protruding shaft end of the nose being disposed in a spatial relationship so that the nose and the said protruding shaft end alternately impart a rocking motion to the leg extension which motion pivots the front legs between a substantially prone position and a position in which the paw ends of the legs rest upon the base in response to a rotation of said drive shaft.

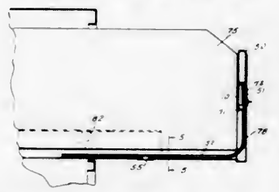
2,600,985
GUN SIGHT
John L. Fluty, Visalia, Calif.
Application September 13, 1948, Serial No. 49,011
18 Claims. (Cl. 33—50)

1. In combination with a rifle receiver, support plates secured to the receiver in longitudinally spaced positions, a member detachably seated on said plates, a locking rod secured to the member in a spaced depending position, means for detachably holding said rod between the support plates, sights pivotally carried by said plates, resilient means for urging said sights



upwardly into horizontal longitudinally aligned positions upon removal of the member from the plates, and means connected to the support plates for locking one of said sights in a lowered inoperative position against the urgement of the resilient means therefor.

2,600,986
FILING CABINET DRAWER
Richard L. Gallagher, Erie, Pa.
Application June 2, 1947, Serial No. 751,921
4 Claims. (Cl. 312—273)

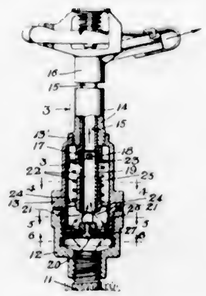


4. In a drawer for a filing cabinet, a collapsible front side therefor comprising a stationary lower panel and a movable upper panel, the upper panel being movable downwardly to a position adjacent the lower panel, a comparatively flat flexible member attached to said upper movable panel and extending downwardly and at substantially right angles to the path of movement of said movable panel, a rectangular shaped guide member having the lower side thereof longitudinally slotted for slidably receiving said flat flexible member, a follower frame for said drawer, and means on said follower frame extending through the slot in said guide member to move said movable upper panel upwardly upon the closing of said drawer.

2,600,987
REVOLVING LAWN SPRINKLER
Claude Gallice, Oceanside, Calif.
Application October 20, 1950, Serial No. 191,197
4 Claims. (Cl. 299—18)

1. The combination with a revoluble sprinkler head and a supply pipe for water under pressure, of an attachment body to be connected at its lower end with said supply pipe, and at its upper end to said sprinkler head to revolubly support the same, the bottom of said attachment body having an inflow opening therethrough into said body, whereby said bottom functions as one valve element, a second valve element mounted flatwise against the underside of said bottom and over said opening, and operatively connected with said sprinkler head to rotate therewith, one of said valve elements having four radially extended slots therethrough in the direction of four corners and through which water can flow in the line of

said slots, and the other valve element having four angle edges relative to said radial slots, whereby when one of said valve elements is rotated relative to the other said edges gradually



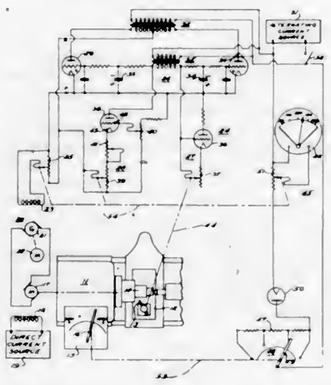
cover said slots with a shearing movement to close and to open said slots from minimum to maximum for the discharge of varying amounts of water therethrough.

2,600,988

CONSTANT SURFACE SPEED LATHE

Claude E. Greene and Robert B. Lesher, Sidney, Ohio, assignors to The Monarch Machine Tool Company, a corporation of Ohio

Application June 21, 1947, Serial No. 756,306
9 Claims. (Cl. 318—12)



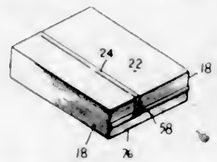
1. In combination with a machine having a first element and a rotating element, the provision of drive means for rotating said rotating element, means for providing relative movement between said first element and the axis of said rotating element, power transmission means having a plurality of selectable speed ratios for connecting said drive means to said rotating element, automatic means for varying the speed of said drive means over a first speed range in accordance with the relative movement between said first element and the axis of said rotating element, and electric means independent of said automatic means for varying the speed of said drive means over a second speed range at least equal to the increment between successive speed ratios of said power transmission means.

2,600,989

CONTAINER

Gordon Hammond, Ashland, Va., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware

Application July 24, 1945, Serial No. 606,801
3 Claims. (Cl. 229—62)



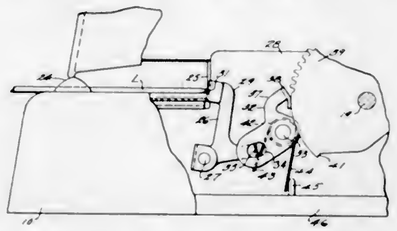
1. A method of making containers comprising: providing a sheet of unlaminated aluminum foil of a caliper not substantially less than .003" nor substantially more than .005"; folding said sheet simultaneously along two spaced, parallel lines not defined by preliminary scoring to form a front wall; then simultaneously folding said sheet along two additional spaced, parallel lines not defined by preliminary scoring, to form opposed side walls and a rear wall; controlling the second folding operation to bring together in the rear wall opposite margins of the sheet in a fin normal to the plane of the rear wall, folding said fin upon itself and then into the plane of the rear wall to form a longitudinal seam and thereby a rectangular tube; and closing one end of said tube by folding the unbroken margins of all of said side walls into interlocked engagement in a fin and folding the fin to lie, with said closure, substantially in a single plane normal to the axis of the tube.

2,600,990

LETTER ACTUATED TRIPPING DEVICE IN POSTAGE PRINTING MACHINES

Walter J. Hanson, Port Chester, N. Y., assignor to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware

Application June 7, 1946, Serial No. 675,110
1 Claim. (Cl. 101—287)



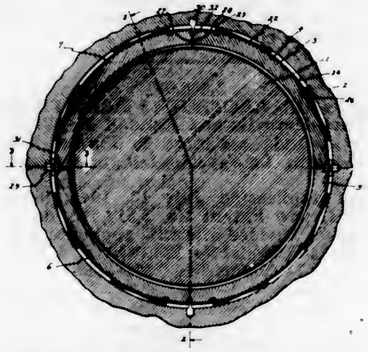
In a postage printing device, a printing die member, a platen member, one of said members being reciprocable relative to the other, drive means including a drive shaft to effect the operation of the reciprocable member, means to position a letter correctly relative to the printing die member including a back stop arranged for engagement by the upper edge of the letter and a side stop arranged for engagement by the right hand edge of the letter, a letter actuated trip lever having a letter engaging portion normally positioned ahead of the back stop member, an element fixed to the drive shaft and having a shoulder stop portion associated therewith, a drive arresting member connected with the trip lever and having a lip portion normally urged into a drive arresting position relative to the shoulder stop portion, said letter engaging portion being adapted to be engaged by the upper edge of the letter and be moved thereby until that portion which is engaged by the letter becomes aligned with the backstop, whereupon the lip of the drive arresting member will have been moved to a non-arresting position relative to the shoulder portion.

2,600,991

LABYRINTH SEAL ARRANGEMENT

Frank L. Hargrove, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application June 14, 1949, Serial No. 99,027
1 Claim. (Cl. 286—10)



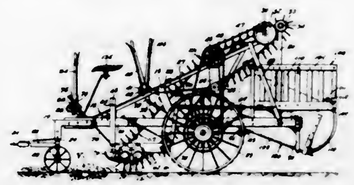
In a high temperature machine having a rotor member rotatably supported in a stationary casing member with a shaft portion of the rotor extending through a wall of the casing, the casing being of material having a substantially higher coefficient of thermal expansion than the rotor shaft portion, labyrinth seal means for restricting fluid leakage through the annular clearance space between the shaft and casing including arcuate packing segments of a material having substantially the same coefficient of thermal expansion as the shaft and being of such length as to define a predetermined minimum radial clearance with the shaft when adjacent segment end portions are in abutting relation when the machine is cold, means biasing the packing segments toward the rotor, each packing segment having a radially projecting portion defining at least one internal circumferential surface, the casing having an arcuate recess with an external circumferential surface disposed inwardly from said inner circumferential surface of the segment, said inner and outer circumferential surfaces defining a predetermined radial clearance space when the segment end portions are in abutting relation, said radial clearance between casing and segments being of such magnitude that, as the temperature of shaft and casing rise to normal operating conditions, the more rapidly expanding housing closes the clearance space and engages the packing segments to effect slight radially outward movement thereof, causing the end portions of each segment to define small circumferential clearance spaces with adjacent segments, whereby the packing segments are positively located by the more rapidly expanding casing at normal operating temperatures and said circumferential clearance spaces prevent excessive wear from frictional rubbing between adjacent end portions of the segments.

2,600,992

PEANUT HARVESTER

Grover C. Kearse, Leesburg, Ga.

Application November 15, 1946, Serial No. 710,075
2 Claims. (Cl. 198—13)



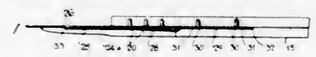
1. In a peanut harvester including an elongated wheeled frame having forward and rear ends, a rear conveyor support rising from the rear end of the frame, a forward conveyor support paralleling and underlying the frame, means pivotally securing the forward conveyor support to the forward end of the frame to permit vertical swinging movement of the forward conveyor support, spring means connecting the forward conveyor support to the frame and yieldingly urging the forward conveyor support raised, a pair of spaced parallel horizontal shafts rotatably supported by said forward support and disposed transversely of the frame, said shafts always remaining parallel to said frame throughout swinging of said forward support, sprockets on said shafts, an upwardly and rearwardly inclined endless conveyor mounted on said forward and rear supports and including endless sprocket chains trained about said sprockets and teeth, a pair of pull rods pivoted to said forward support for vertical swinging movement, a transverse rockshaft carried by the frame and including laterally projecting rock arms at its ends, sleeves pivoted to said rock arms and slidably receiving said rods, stop collars longitudinally adjustable on said rods for said sleeves, a lever fixed to the rockshaft for rotating the rockshaft to selectively raise and lower said forward support, and means forming a sliding connection between said forward support and said frame to guide the pivotal movement of said forward support and to limit the downward pivotal movement of said forward support relative to the frame.

2,600,993

CARPET TUFTING MACHINE

Richard C. Kline, Mount Kisco, N. Y., and Joseph Miller, Asheville, N. C.; said Miller assignor to said Kline

Application November 19, 1949, Serial No. 128,314
4 Claims. (Cl. 112—79)



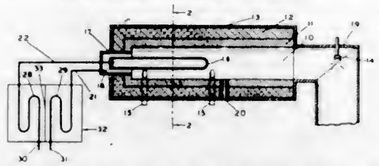
3. In a tufting device for producing tufted carpets and the like; a tufting needle having a yarn-receiving hole therein; a thrust member, and means mounting said needle thereon; a yarn tensioning prong mounted on said thrust member in longitudinal alinement with said needle and having its free end adjacent the hole in said needle; and means for adjustably positioning said tensioning prong longitudinally of said needle for adjusting the effective aperture of the needle hole.

2,600,994

CARBON BLACK PROCESS AND APPARATUS

Joseph C. Krejci, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 6, 1944, Serial No. 562,115
15 Claims. (Cl. 23—209.8)



1. A furnace for producing carbon black comprising in combination a hollow cylindrical furnace body having one end closed by an end wall, one end open, a perforate tube having a plurality of perforations in the side wall thereof disposed within said hollow furnace body and along the longitudinal axis thereof a substantial distance to act as a flame holder and having one end rigidly disposed within the end wall of said furnace body, means attached to said one end of said perforate tube for introducing air into said perforate tube, a burner tube extending through the side wall of said furnace body near the end wall thereof, the longitudinal axis of said tube being tangent to the inner cylindrical wall of said furnace body, gas inlet means disposed around said perforate tube in the end wall of said furnace and means to inject gas in the form of an annulus through said gas inlet means into the furnace concentric with the axis thereof.

2,600,995

TUNGSTEN ALLOY

Jacob Kurtz, Teaneck, N. J., assignor, by mesne assignments, to Sylvania Electric Products, Inc., New York, N. Y., a corporation of Massachusetts

No Drawing. Application October 30, 1945, Serial No. 625,691
7 Claims. (Cl. 75—22)

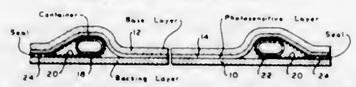
7. A dense coherent tungsten alloy consisting of 84% to 90% tungsten, 1% to 10% copper-silver, 1% to 5% cobalt and .1 to 1% of platinum, the alloy so formed having a density approximating 17 grams per cubic centimeter and a grain count of not less than 2000 grains per square millimeter and good machinability.

2,600,996

PHOTOGRAPHIC PRODUCT COMPRISING A LIGHT-SENSITIVE DIAZONIUM COMPOUND, A COUPLER AND A RUPTURABLE CONTAINING MEANS HOLDING AMMONIA UNDER PRESSURE

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application October 8, 1946, Serial No. 702,040
8 Claims. (Cl. 95—8)



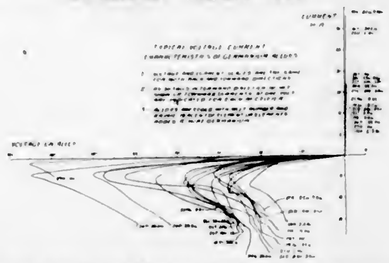
1. A photographic product containing material, including a photographic reagent, for producing a development of a visible image in said product, said reagent being present in an amount sufficient to effect said development, said product comprising a fluid-confining layer including at least a photosensitive portion comprising a light-sensitive diazonium compound and a coupler therefor, said photosensitive portion being capable of having a developable image formed therein upon photoexposure, another fluid-confining layer, and a rupturable containing means holding ammonia under pressure, said ammonia being in an amount sufficient for developing said image in said photosensitive portion, said ammonia, upon permeation of said photosensitive portion, being effective to develop said image, said layers being superposed with said containing means therebetween, portions of said layers being sealed together to provide an envelope including therewithin said containing means and said photosensitive portion so that rupture of said containing means permits permeation of said photosensitive portion by said ammonia, said envelope being sufficiently gas-tight to confine said ammonia within said envelope at least until said development has been effected.

2,600,997

ALLOYS AND RECTIFIERS MADE THEREOF

Karl Lark-Horovitz and Randall M. Whaley, La Fayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

Original application July 13, 1945, Serial No. 604,744, now Patent No. 2,514,879, dated July 11, 1950. Divided and this application December 29, 1949, Serial No. 135,747
14 Claims. (Cl. 175—366)



1. An electrical device comprising a semi-conductor, a counter electrode having substantially point contact with said semi-conductor and a second electrode having an area of contact with said semi-conductor which is large compared to that of the counter electrode, said semi-conductor consisting of germanium of the order of 99% purity in combination with at least one of the elements from the group consisting of vanadium, columbium, tantalum, and bismuth, said device having a peak back voltage in the range in excess of 10 volts and approaching the order of 200 volts.

2,600,998

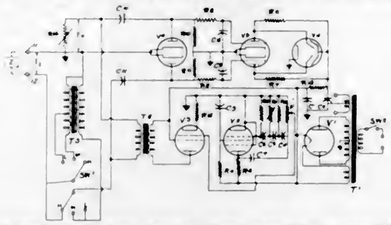
ELECTRONIC IMPEDANCE METER

Eric Henry Levy, Baltimore, Md.

Application January 21, 1947, Serial No. 723,271
1 Claim. (Cl. 175—183)

A measuring device for determining the absolute value of an impedance comprising a source of testing voltage, a pair of terminals adapted for connection to the impedance to be measured, a calibrated adjustable resistor, circuit means connecting the resistor and the terminals in series with each other and to the source, a shunt type diode rectifier operatively connected to the terminals, a further dual section rectifier connected to the resistor, indicating means in the form of a twin electron-ray tube for comparing

the absolute magnitudes of the rectified voltages appearing acorss the terminals and the resistor with each of the plates of the dual section rectifier tube being in connection with a complemental of the control electrodes of said electron-ray tube, a dual section control tube



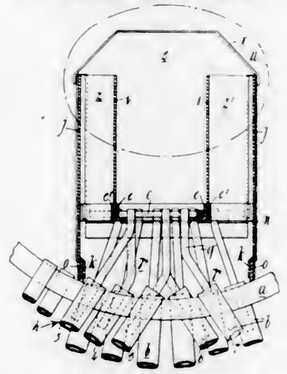
positioned between said dual section rectifier tube and said indicating means, with each of the plates of the dual section rectifier tube being connected with a complemental of the grids of said control tube with the plates of the control tube connected each with a complemental of the control electrodes of said indicating means, and similar individual filter means separately connected intermediate each of the two rectifiers and the comparing means.

2,600,999

WATER TUBE STEAM GENERATOR OF THE FIELD TUBE TYPE

William Yorath Lewis, London, England, assignor to Yorath Lewis Boilers Limited, London, England

Application May 9, 1947, Serial No. 746,994
In Great Britain October 12, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1959
1 Claim. (Cl. 122—305)



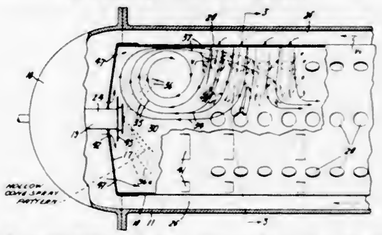
A steam generator including a steam and water drum, steam raising Field-tube units each comprising inner and outer tubes depending from said drum, said outer tubes being connected to said drum and communicating therewith, said inner tubes projecting beyond the terminal ends of said outer tubes, a combined feed water receiving and steam conveying trough within the drum, said trough including spaced pairs of parallel side walls comprising adjacent inner walls and an outer wall spaced from each inner wall defining an inner feed water channel between the inner wall and an outer steam receiving channel between each inner wall and each outer wall, said inner tubes projecting within said feed water channel, a bottom for said feed water channel comprising a plurality of members having complementary notches on opposite edges corresponding in contour to the external contour of said inner tubes, a frame supported at the lower ends of the adjacent inner walls and removably supporting said members, said members being disposed in abutting relationship and embracing said inner tubes, clamping means maintaining the said members in position and means between the drum and said outer walls for supporting the trough.

2,601,000

COMBUSTOR FOR THERMAL POWER PLANTS HAVING TOROIDAL FLOW PATH IN PRIMARY MIXING ZONE

Anthony J. Nerad, Alplaus, N. Y., assignor to General Electric Company, a corporation of New York

Application May 23, 1947, Serial No. 750,015
18 Claims. (Cl. 60—39.65)



9. A combustion unit comprising an annular wall shaped to define a discharge opening at one end, a head which closes the other end, said wall being provided with rings of circumferentially spaced openings, the several rings of openings being spaced axially from each other and the ring of openings nearest the head being spaced from the head to form an initial mixing and ignition chamber adjacent said head to which primary combustion air is supplied by axial flow of air from the radial jets formed by the spaced openings next to said mixing and ignition chamber, a fuel supply means adjacent the center of the head which directs fuel into said mixing and ignition chamber in the form of a substantially hollow conical spray at an angle to the direction of air flow therein whereby the fuel and air are mixed initially in said mixing and ignition chamber and then flow axially toward said discharge end through the spaces defined between said circumferentially spaced radial jets.

15. A combustion unit comprising an annular wall shaped to define a discharge opening at one end, a head which closes the other end, said wall being provided with rings of circumferentially spaced openings, the several rings of openings being spaced axially from each other, and walls defining slots between the openings for directing an envelope of air along the inner surface of said first-named wall to prevent carbon deposits from forming thereon.

2,601,001

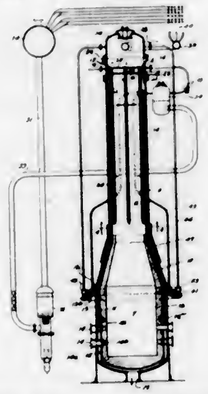
GAS GENERATOR AND WASTE HEAT BOILER

Ward S. Patterson, Chappaqua, N. Y., assignor to Combustion Engineering-Superheater, Inc., a corporation of Delaware

Application October 30, 1947, Serial No. 783,108
10 Claims. (Cl. 48—196)

1. A gas generator and waste heat boiler for the preparation of synthesis gas and the like

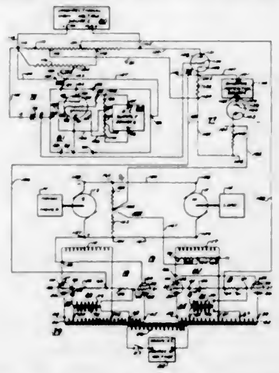
comprising an upright cylindrical gas-tight metal casing, a refractory gas generating furnace section open at its upper end and enclosed by said casing and spaced away from the walls thereof, and a gas cooling section located immediately above the open upper end of the furnace section, a cylindrical substantially gas-tight tubular water wall within the casing extending through the space between said sections from a point adjacent the lower end of the casing to a point short of the upper end thereof and spaced away from the casing to provide therewith an annular



gas passageway to permit the gases rising through the upper end of the gas cooling section to flow downwardly between the exterior of the water wall and the interior of the metal casing to an outlet in the metal casing toward the bottom thereof, a steam and water drum, circulating connections between the water wall and drum, a bundle of cooling tubes extending downwardly from the top of the metal casing into the upper end of the gas cooling section, circulating connections for said bundle, and reactant inlets passing through the metal casing into the interior of the furnace section.

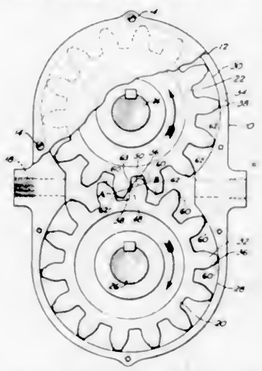
2,601,002
ELECTRICAL CONTROL SYSTEM
Jay W. Picking, Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company, a corporation of Ohio
Application July 24, 1946, Serial No. 685,948
20 Claims. (Cl. 318—154)

1. An electrical control circuit for varying the speed of an electric motor comprising, in combination, a generator having a field winding and an electrical output, a motor having a field winding and an electrical input, first connection means for connecting the electrical output of the said generator to the electrical input of the said motor, first excitation means including a first gaseous discharge device having a cathode and a control grid for exciting the said generator field winding, second excitation means including a second gaseous discharge device having a cathode and a control grid for exciting the said motor field winding, control means for varying the speed of the said motor, first grid circuit means impressing a potential between the cathode and the control grid of the said first gaseous discharge device, second grid circuit means impressing a potential between the cathode and control grid of the said second gaseous discharge device, a potential source for modifying the said control means, and a voltage dividing circuit connected between the said potential source and the said control means, the said voltage dividing circuit having first and second output voltage means, the said first output voltage means modifying the potential impressed between the cathode and control grid of the said



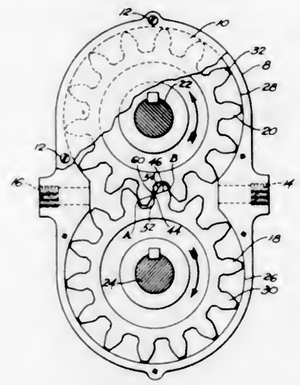
first gaseous discharge device for varying the said first excitation means, the said second output voltage means modifying the potential impressed between the cathode and control grid of the said second gaseous discharge device for varying the said second excitation means.

2,601,003
GEAR PUMP
George W. Pontius, III, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 17, 1946, Serial No. 670,452
10 Claims. (Cl. 103—126)



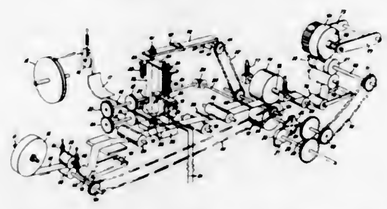
1. In a fluid pump or motor, a body having inlet and outlet ports, a driving gear located in the body, a driven gear, said driving and driven gears having teeth in mesh with faces in contact relationship and backlash therebetween, said teeth in mesh forming pockets therebetween in which fluid is entrapped, and a channel in the leading tooth faces of each of the teeth of the driving gear and in the trailing tooth faces of each of the teeth of the driven gear extending along the tooth faces from the addendum circles of the gears to a point in the tooth faces intersected by the line of action at a time when the pitch lines of two mating gear teeth pass through the pitch point.

2,601,004
GEAR PUMP
Juan E. Cintrón, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 19, 1946, Serial No. 684,694
4 Claims. (Cl. 103—126)



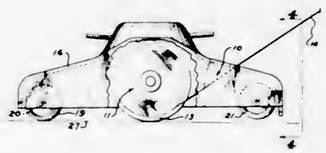
1. In a fluid pump or motor, a body having an inlet and an outlet, driving and driven gears disposed within the body with backlash therebetween, said gears having teeth with surfaces in contact when the gears are in meshing relationship so that pockets are formed between the teeth in mesh in which fluid is entrapped, and a channel in the flanks of the leading tooth surfaces of each of the teeth of the driving gear and in the flanks of the trailing tooth surfaces of each of the teeth of the driven gear, said channel extending laterally the width of a tooth and radially from a predetermined point in the tooth flank below the base circle of the gear to a point where the line of action intersects the tooth flanks of the teeth of the two gears when two mating tooth surfaces have their pitch lines substantially coextensive at the pitch point.

2,601,005
METHOD OF AFFIXING CONDUCTING TAP STRAPS TO A PAPER MOUNTING STRIP
Edwin A. Raney, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Original application July 31, 1948, Serial No. 41,804. Divided and this application September 17, 1949, Serial No. 116,346
1 Claim. (Cl. 154—80)



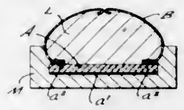
The method of affixing a conducting tap strap to a moving supply strip of mounting material at spaced and equal intervals thereon from a supply strip of conducting material, one of said strips having adhesive material applied to a surface thereof, which comprises the steps of feeding the end of said conducting strip toward and transversely over said mounting strip so that the surface of one of said strips having adhesive applied thereto will be adjacent to said other strip, stopping the feed of said conducting strip, simultaneously stopping the movement of said mounting strip, pressing the portion of said conducting strip moved transversely over said mounting strip against said strip of mounting material and then transversely severing said conducting strip while both of said strips are stopped, at a predetermined distance exterior of a longitudinal edge of said mounting strip.

2,601,006
WHEELED TOY
Louis D. Rodabaugh, Oberlin, Ohio
Application November 29, 1946, Serial No. 712,822
2 Claims. (Cl. 46—206)



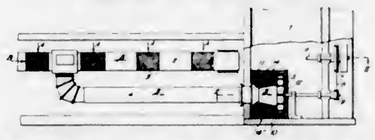
1. A vehicular toy comprising, a spool-shaped drum having friction tread formations at opposite ends for engaging the ground when the drum is resting on the ground with its axis parallel to the latter, a shell mounted to the drum and being in a form simulating a vehicle and substantially and rotatably enclosing the drum therein, ground wheels mounted to the shell at opposite ends thereof and serving to support the shell for movement along the ground, the peripheries of the wheels at one end of the shell and the peripheries of said treads being tangent to a common plane and the peripheries of the wheels at the other end of the shell and the peripheries of the treads being tangent to a common plane lying at an angle to the first mentioned plane whereby the central portion of the shell is supported by the drum at all times and the end wheels alternatingly support the respective ends according to the tilt of the shell, said shell having an elongated vertical slot through the central part of one end wall thereof, the lower edge of said slot reaching below the lower periphery of the drum proper, a filamentary element wound about the drum with its free end extending from the underside thereof and passing freely through said slot in the shell, said element when engaged with the upper edge of said slot in the shell and pulled taut exerting a component of force whereby the element is unwound from the drum being in this position at an appreciable angle with respect to the ground and moving the toy away from the operator and said element rolling the drum in the opposite direction when the element is pulled taut and held substantially parallel with the ground against the lower edge of the slot, the element being at this time wound on the drum as the drum is rotated in the direction of the pull on the element, moving the toy toward the operator, and the drum is guided in a straight path by the element cooperating with the side edges of the slot in the shell.

2,601,007
METHOD OF MAKING SHOES USING POLYMERIZABLE PLASTIC LAYERS
Thomas Spencer, Rossendale, and Albert Edward Salmon, Marple, England; said Salmon assignor to said Spencer
Application November 14, 1947, Serial No. 785,950
In Great Britain March 24, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1965
3 Claims. (Cl. 12—142)



1. In a process of manufacturing a shoe having a sole and an upper secured thereto, the steps of arranging a shoe sole with a polymerizable plastic applied to its bottom face underneath a shoe upper with the bottom edge portions of said shoe upper superimposed upon said shoe sole and with a polymerizable plastic arranged between said shoe sole and said bottom edge portions of said shoe upper; and heating said thus assembled shoe sole and shoe upper to a temperature sufficient to polymerize said plastic so as to polymerize said plastic and thereby simultaneously adherently coat said bottom face of said shoe sole with said plastic and attach said shoe upper to said shoe sole.

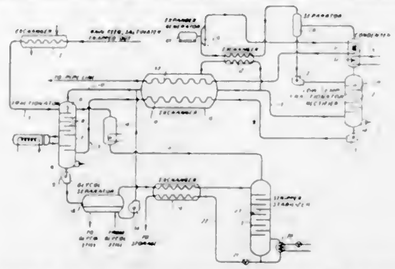
2,601,008
AIR FILTER USED IN TEXTILE FIBER PREPARATION
Karl Strässler, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application June 12, 1947, Serial No. 754,115
In Switzerland December 27, 1946
3 Claims. (Cl. 19—115)



1. In apparatus for removing waste in a combing or similar textile machine, said machine having a drive head provided with a chamber extending the whole width of the drive head, the combination of a suction device mounted in said chamber, a rotatable waste collecting drum, a suction pipe leading from said drum to the suction device within said chamber, and filter elements in said chamber on both sides of said suction device, the two opposed ends of said chamber being provided with removable slotted end walls permitting removal of the filter elements from said chamber.

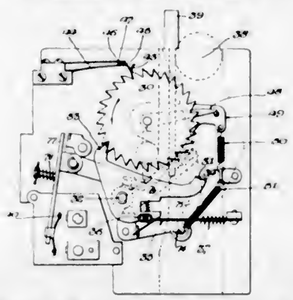
2,601,009
METHOD OF LOW-TEMPERATURE SEPARATION OF GASES INTO CONSTITUENTS
Judson S. Swearingen, San Antonio, Tex., assignor to Institute of Inventive Research, San Antonio, Tex., a trust estate of Texas
Application December 1, 1949, Serial No. 130,398
10 Claims. (Cl. 62—175.5)

1. In a method of separating a gaseous hydrocarbon mixture into its heavier and lighter constituents, the steps of separating from said mixture a portion of its heavier constituents in liquid form, cooling, fractionating and rectifying at a lower temperature the remainder of said mixture to separate an additional portion thereof in liquid form, bringing said additional portion into heat exchange relation with the mixture approaching the last mentioned fractionating step to lower the temperature of the mixture



and raise the temperature and vapor pressure of said additional portion, vaporizing a part of said additional portion, bringing the vapors from said vaporizing step into intimate contact with the liquid portion initially separated from said hydrocarbon mixture, and mixing and recirculating the vapors from said contact step with the gaseous mixture leaving said initial separation.

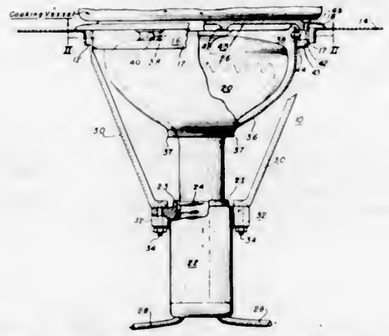
2,601,010
TIMING DEVICE
Victor Trad, Deal, N. J.
Application July 24, 1946, Serial No. 685,955
3 Claims. (Cl. 318—117)



1. A timing device comprising, a cogwheel, a rockably mounted cam adjacent said cogwheel, spaced detents having a fixed interval therebetween carried by the cam alternately engageable with the cogwheel teeth, a bimetal strip coupled to the cam, a heating coil around the said strip, said coil being incorporated into an electrical circuit adapted to energize the coil and actuate the bimetal to rock the cam, thereby rotating the cogwheel and means carried by the cogwheel to stop its rotation after a predetermined interval.

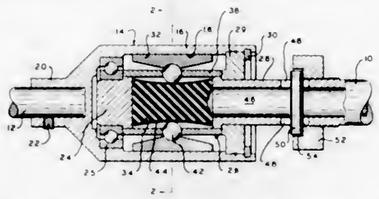
2,601,011
HEATING APPARATUS
Charles Alva Wilcox, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 21, 1948, Serial No. 50,371
5 Claims. (Cl. 219—34)

1. In an electric range, a platform having an opening therein and a surface heating unit disposed within said opening, said heating unit comprising a heating lamp disposed beneath said opening, an annular support ring nested within said opening, said support ring having an outwardly disposed annular flange overlying and supported by said platform, an electrical lamp socket, a plurality of members depending from and fastened to said support ring, said lamp socket being carried by said members and said lamp being supported by said socket, a reflector encircling said lamp and supported by said



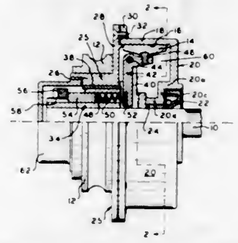
support ring, said support ring, said lamp, said socket and said reflector thereby constituting a unitary assembly pendently supported by said platform and a removable heat-resisting glass cover plate overlying said reflector and adapted to support a vessel, said cover plate being imperforate but being pervious to heat rays and together with said reflector substantially enclosing said lamp and protecting the lamp and the interior surface of the reflector against any food spillage which may be incurred.

2,601,012
SAFETY COUPLING
Otto E. Wolff, Cambridge, Mass., assignor of one-fourth to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application August 8, 1947, Serial No. 767,474
12 Claims. (Cl. 64—30)



1. In a device for transmitting torque, a pair of members adapted for rotation with respect to one another, one of said members providing a shoe-engaging surface, a plurality of friction shoes adapted for frictional engagement with said shoe-engaging surface, a hollow, polygonal member connected to the other of said members, a mount provided in each side of said polygonal member for pivotally mounting one of said shoes, a member of rubberlike material contained in said polygonal member, a resilient platelike member interposed between said member of rubberlike material and each said mount and adapted to transmit forces from said rubberlike member to said mount, and means carried by said polygonal member for engaging said rubberlike member and for holding the same under compression to cause the latter to apply a force tending to press said shoes into engagement with said shoe-engaging member.

2,601,013
SAFETY COUPLING
Otto E. Wolff, Cambridge, Mass., assignor of one-fourth to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application August 8, 1947, Serial No. 767,558
In Canada July 20, 1942
9 Claims. (Cl. 64—30)

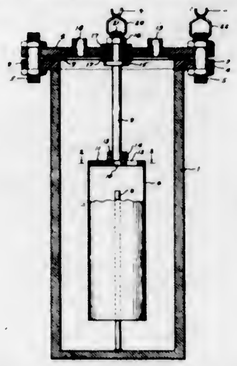


1. In a device for transmitting torque between a pair of members adapted for rotation with respect to one another about a predetermined axis of rotation, a housing, means connected to one of said members providing a friction surface in said housing, a lubricant contained in said housing and adapted to cover said shoe-engaging surface during operation of said device, a plurality of friction shoes in said housing for frictionally engaging said surface, a shoe-mounting element fixed to said other member, a plurality of levers pivotally mounted on said shoe-mounting element, each said lever having one of said shoes mounted thereon so that said shoe can pivot about an axis substantially perpendicular to its direction of movement, said lubricant being capable of disengaging said shoes from said surface whenever there is relative rotation between said shoes and said surface, means carried by said shoe-mounting element for engaging each of said levers for applying a pressure thereto tending to pivot the same so as to bias the shoes mounted thereon into engagement with said friction surface, and means carried by said shoe-mounting element for varying the pressure applied by said lever-engaging means to vary the maximum torque transmittable by said device.

2,601,014
PREPARATION OF FLUORINATED CHLOROCARBON COMPOUNDS
John K. Wolfe, Burnt Hills, N. Y., assignor to General Electric Company, a corporation of New York
Application August 17, 1949, Serial No. 110,705
6 Claims. (Cl. 204—59)

1. The process for making fluorine-containing chlorocarbon compounds from a chlorohydrocarbon consisting solely of carbon, hydrogen and chlorine and containing carbon-bonded hydrogen, which process comprises electrolyzing the aforesaid chlorohydrocarbon in liquid anhydrous HF to produce a mixture comprising essentially chlorofluorocarbon compounds in which are present carbon-bonded fluorine atoms in place of carbon-bonded hydrogen atoms present in the

starting chlorohydrocarbon, the said chlorofluorocarbon compounds containing the same



number of carbon atoms as the chlorohydrocarbon reactant.

2,601,015
BED GUARD RAIL
Melcora B. Gruber, Westminster, Md.
Application April 3, 1950, Serial No. 153,720
5 Claims. (Cl. 5—331)

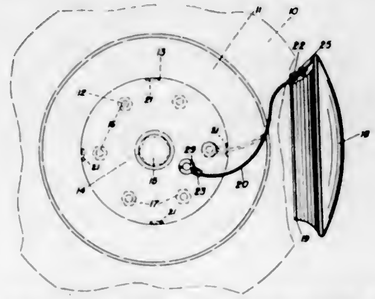


4. A portable bed guard assembly comprising brackets removably securable to a side rail of a bedstead, a baseboard secured to and extending between said brackets, and a guard rail hinged to said baseboard, said brackets each comprising an inverted U-shaped inflexible strap, said baseboard being secured within the bight portions of the brackets and extending between the brackets, and a screw clamp on each bracket to fasten said brackets on the side rail of a bed.

2,601,016
OIL-RESISTANT ADHESIVE TAPE
James O. Hendricks, White Bear Lake, and Carl A. Dahlquist, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application November 25, 1949, Serial No. 129,508
5 Claims. (Cl. 117—122)

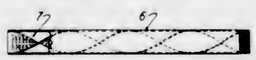
1. Permanently pressure-sensitive oil-resistant adhesive tape or sheet material comprising a thin flexible backing member carrying a surface layer of oil-resistant normally tacky and pressure-sensitive adhesive comprising: (a) a rubbery polymer of monomers including about 10–40 percent of acrylonitrile and correspondingly about 90–60 percent of other copolymerizable monomer of which at least a major proportion is butadiene and not more than a minor proportion is styrene, said polymer having a high frequency modulus of about 20–50 megadynes per sq. cm. and a constant stress modulus of about 0.66–2.5 megadynes per sq. cm. as herein defined; (b) sufficient plasticizer, compatible with said polymer at room temperature, and within the range of about 0–50% based on the weight of said polymer, to provide when combined with said polymer a rubbery base material having a high frequency modulus of about 15–40 megadynes per sq. cm. and a constant stress modulus of about 0.3–1.8 megadynes per sq. cm.; and (c) a minor but substantial proportion, based on the total weight of the adhesive, of a thermoplastic tackifier resin which is substantially insoluble in heptane and is compatible with said rubbery base material.

2,601,017
HUBCAP RETAINER
Percy H. Herrick, Baltimore, Md., assignor to Products Manufacturing Co., Inc., a corporation of Maryland
Application October 7, 1948, Serial No. 53,169
2 Claims. (Cl. 301—108)



1. The combination with a detachable wheel for a vehicle, said wheel having a central web and a plurality of bolts extending through the web to secure the wheel to the vehicle, of a hub cap, a flange on said hub cap, flexible means on said central web to receive said cap, a flexible cable having one end secured to said flange, and means for selectively securing the opposite end of said cable to said web in a plurality of positions.

2,601,018
BLENDING OF VISCOUS LIQUIDS
Richard E. Heyl, Palo Alto, and Ethbert R. Nett, Oakland, Calif., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application May 3, 1950, Serial No. 159,832
2 Claims. (Cl. 259—4)



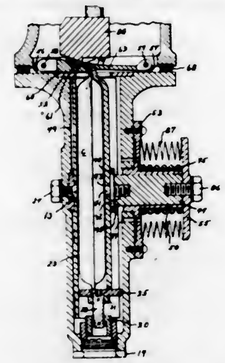
1. In an apparatus for the continuous blending of two viscous liquids wherein said liquids are pumped into a common discharge line by means of a constant volume pump and a variable volume pump respectively, the improvement comprising: a blending tube connected with said discharge line and bearing a single, perforated, sheet metal spiral member substantially throughout its length, the perforated surface of said spiral member extending from wall to wall of said blending tube.

2,601,019
SPREADER DISK MOUNTING FOR COLTER BLADES
George W. Hollandsworth, Knox, Ind.; Ethel Busse executrix of said George W. Hollandsworth, deceased.
Application March 19, 1948, Serial No. 15,784
1 Claim. (Cl. 97—198.1)



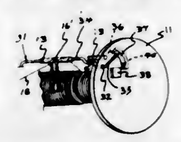
In a farming implement having a coulter blade and a spreader disc arranged adjacent and at an angle thereto, mounting means for said spreader disc comprising a bracket having a concave face thereon, horizontally spaced and substantially vertically extending rows of horizontal teeth on the inner surface of said concave face, a plurality of vertically extending horizontally spaced slots in said concave face, an arm on said spreader disc having a convex face disposed within the concave face of said bracket, horizontally spaced and vertically extending rows of horizontal teeth on the inner surface of said convex face interengaging the teeth on said concave face, horizontally spaced and horizontally extending slots in said convex face intersecting the vertical slots in said concave face, and releasable fastening means passing through the intersecting slots, said vertical slots and interengaging teeth permitting and maintaining a vertical adjustment of said spreader disc, said horizontal slots permitting adjustment of said spreader disc in a horizontal plane, and said concave and convex faces being adapted to maintain the leading edge of the spreader disc at a substantially constant distance from the coulter blade during adjustment of the spreader disc in an arcuate path.

2,601,020
APPARATUS FOR PACKAGING MATERIALS
Harold C. Hopp, Des Plaines, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application January 27, 1949, Serial No. 73,127
15 Claims. (Cl. 226—56)



1. In a container vacuum sealing apparatus; a vacuum chamber; means for subjecting a flexible, filled container to a vacuum while in said vacuum chamber; means for subjecting said flexible container to external pressure while said chamber and said container are being subjected to subatmospheric pressure; said second named means consisting of a member within said chamber directly connected with a flexible bellows outside said chamber, said member and said bellows operable incident to the vacuumizing of said chamber to cause said member to subject said container to external pressure to expel substantially all the air within said container thereby preventing expansion of said container and the formation of wrinkles in the sealing zone of said container; and means for sealing said container in said chamber while said container and chamber are under the influence of subatmospheric pressure.

2,601,021
ANTIBACKLASH REEL
Frank J. Hoot, Tulsa, Okla.
Application July 18, 1950, Serial No. 174,400
8 Claims. (Cl. 242—84.5)



1. In a fishing reel having a frame including end housings and a spool journaled in the end housings, a ratchet wheel rotatably mounted on the spool, a biasing spring connected at one end to said spool and at the other end to said ratchet wheel, and a ratchet wheel engaging means movably mounted on said frame and operably responsive to changes in position of a line leading from said spool to engage said ratchet wheel and prevent rotation thereof when said line becomes slack.

2,601,022
PURIFICATION OF METAL CARBONYLS
Dallas T. Hurd, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 6, 1950, Serial No. 166,552
5 Claims. (Cl. 202—57)

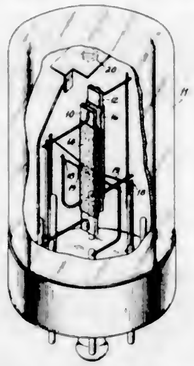
1. A method of purifying a metal carbonyl selected from the group consisting of the carbonyls of tungsten, molybdenum and chromium which comprises mixing said carbonyl with an aqueous solution comprising from 1 to 20% by weight of a hydroxide of a metal selected from the group consisting of the alkali and alkaline earth metals and heating said mixture to distill therefrom the purified carbonyl.

2,601,023
PREPARATION OF TUNGSTEN CARBIDE
Dallas T. Hurd, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 6, 1950, Serial No. 166,554
2 Claims. (Cl. 23—208)

2. The process of preparing tungsten carbide of a particle size from ½ to 20 microns which comprises introducing into a heated zone at a temperature of 650 to 1100° C., solid particles of tungsten carbonyl of a particle size about five times that desired for the tungsten carbide product, and subjecting the resultant pyrolysis products at a temperature of 1000° C.. to a gaseous atmosphere consisting of about four parts carbon

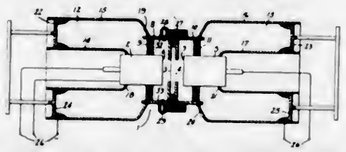
monoxide and one part carbon dioxide capable of converting all of the metal components thereof to tungsten carbide.

2,601,024
ELECTRODE STRUCTURE FOR ELECTRON DISCHARGE DEVICES
Harold Jacobs, Long Branch, N. J., and George Hees, Woodside, N. Y., assignors to Sylvania Electric Products Inc., a corporation of Massachusetts
Application July 26, 1949, Serial No. 106,814
5 Claims. (Cl. 313—235)



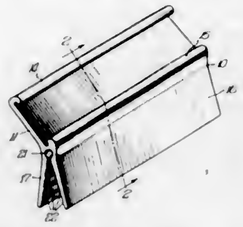
1. In an electronic device a pair of electrodes coated with copper plus an ionic crystalline material the coated surfaces of which are in physical contact with one another and probes coated with an ionic crystalline material sandwiched between said electrodes, said ionic crystalline material consisting of a salt of an alkaline earth metal.

2,601,025
HIGH-FREQUENCY ELECTRIC DISCHARGE DEVICE
Hugh W. Jamieson, Los Angeles, and John R. Whinnery, Berkeley, Calif., assignors to General Electric Company, a corporation of New York
Application October 2, 1950, Serial No. 187,966
6 Claims. (Cl. 315—6)



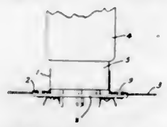
1. An electric discharge device comprising a cathode, an anode, and grids interposed in consecutive spaced planar alignment between said cathode and said anode, each of said grids being formed of spaced parallel electrical conductors, a first cylindrical cavity resonator connected in electrical relation with said cathode and one grid adjacent said cathode to form a grid-cathode resonator of said device, a second cylindrical cavity resonator in electrical relation with said anode and another grid adjacent said anode to form a grid-anode cavity resonator of said device, and means connected to said grids to indicate the relative rotational angular displacement of said parallel conductor grids whereby the parallel conductors of said grids may be oriented during manufacture to have a predetermined relative angular displacement to provide a predetermined degree of inter-resonator coupling.

2,601,026
INDEX TAB
Charles E. Jones, Chicago, Ill., assignor to Rockwell-Barnes Company, Chicago, Ill., a corporation of Illinois
Application May 12, 1948, Serial No. 26,573
2 Claims. (Cl. 40—23)



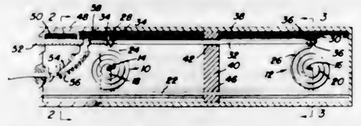
1. An index tab for attachment to the margin of a filing member, said tab comprising a length of material cut from a continuous strip of molded deformable non-resilient, solid metal having an integral body portion which is generally triangular in cross section, one face of said body portion being provided with a relatively shallow recess for holding an indicia bearing strip and said body portion having an inverted V-shaped recess extending inwardly from another face thereof and generally parallel to the third face of said body portion whereby said tab may be secured to the filing member by positioning the margin of the filing member in the inverted V-shaped recess and moving the body portions of said tab on opposite sides of said recess towards each other into frictional clamping relation with the filing member.

2,601,027
ELECTRON TUBE SUPPORT AND COOLING DEVICE
Donald B. Keim, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 9, 1948, Serial No. 13,773
2 Claims. (Cl. 173—328)



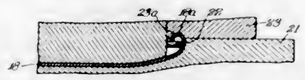
1. A heat conductive supporting structure for an electron discharge device of the type having a cylindrical metallic base portion and contact pin members projecting axially of said device from said base portion, said support structure comprising a chassis having a metallic wall with an aperture therein, a tube socket of thermoplastic material for receiving said contact pin members, said tube socket being attached to a surface of said apertured wall and overlying said aperture, and means for thermally shielding said socket from heat developed by said electron discharge device during operation thereof and for supporting said base portion of said device, said means comprising a flexible metallic cylindrical member constructed and arranged for tightly surrounding and frictionally engaging said base portion, said flexible metallic cylindrical member being positioned adjacent the surface of said apertured wall opposite that on which said tube socket is supported, the inner surface of said cylindrical member being arranged to be in close thermal contact with the outer surface of said base portion over a major portion of its area when said base portion is inserted in said socket, said member having a metallic flange formed integral therewith, said flange being secured to and engaging said apertured wall on said opposite surface thereof substantially entirely around said aperture to form a path of high thermal conductivity between said base portion and said wall.

2,601,028
DIFFERENTIAL THERMOSTAT WITH OPPOSING BIMETALLIC COILS AND PARTITION THEREBETWEEN
Herbert H. Kersten, Fort Dodge, Iowa
Application December 28, 1949, Serial No. 135,509
6 Claims. (Cl. 200—139)



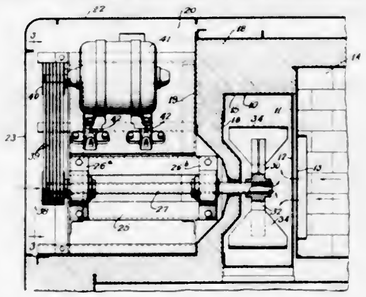
1. A differential thermostat comprising an elongated slidable switch member, a first convoluted thermal responsive member having one end detachably and adjustably connected to one end of said switch member for moving the switch member in response to temperature conditions in an area in which the first thermal responsive member is disposed, a second convoluted thermal responsive member having an end detachably and adjustably connected to the other end of said switch member for moving the switch member in response to temperature conditions in an area in which the second thermal responsive member is disposed, and a contact member for engaging the switch member upon predetermined movement of the switch member in one direction, each of said convoluted members being composed of a plurality of convolutions that are coplanar with each other.

2,601,029
METHOD OF MAKING A THICKENED REINFORCED PORTION IN A RELATIVELY THIN METAL PLATE
David M. King, Kansas City, Kans., assignor to Illinois Watch Case Co., a corporation of Illinois
Application March 6, 1951, Serial No. 214,154
2 Claims. (Cl. 29—148)



1. The method of making a thickened reinforced edge portion in a relatively thin polygonal metal sheet which comprises: forming an outwardly expanding V-shaped notch in the corners of said sheet; forming the edge portions of said sheet into a pocket having upstanding outer edge walls; annealing said portions to reduce their hardness to a soft anneal; degreasing said edge portions; arranging in said pocket a metal wire core member having a diameter approximately equal to ⅓ to ½ the height of the side wall having a shape corresponding to the shape of said pocket, said wire core member being no harder than the sheet; bending said edge walls inwardly and at least partially around said core member; and cold forging the metal including said edge portions and core member to produce a substantially integral edge structure of thickened cross section having a flat surface formed thereon.

2,601,030
CENTRIFUGAL BLOWER
Chris Klein, Naperville, Richard C. Skarin, Western Springs, and William G. Tinker, Itasca, Ill., assignors to The Petersen Oven Company, Franklin Park, Ill., a corporation of Illinois
Application November 29, 1948, Serial No. 62,522
1 Claim. (Cl. 230—127)

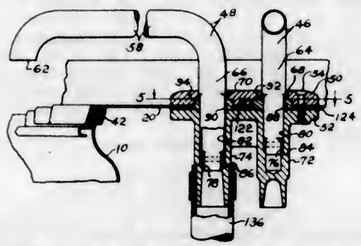


A blower of the character described, comprising a rotatable shaft, axially spaced apart inner and outer bearings providing journal support for said shaft, an impeller housing surrounding one end of the shaft and having inlet and outlet openings and a closed outer wall disposed adjacent said inner bearing, said outer wall having a substantial thickness of insulation, and an impeller mounted on said end of the shaft, within the housing, said impeller having a plurality of circumferentially spaced vanes, tapering outwardly in transverse dimension from the central area toward the outer areas thereof, said closed outer wall of the housing having an inwardly dished portion, conforming generally to the taper of said vanes, to permit locating the inner bearing within said dished area, said dished portion constituting an insulated wall between and closely adjacent said inner bearing and said impeller, said shaft having an air passageway opening at one end into said central area of the impeller and having its opposite end in open communication with the atmosphere, beyond said bearings, whereby, upon rotation of the impeller atmosphere is positively drawn through said passageway into said housing for effecting an air cooling of said bearings.

2,601,031
COMBINED CLOTHES WASHER AND EXTRACTOR
William G. Landwier, Fayetteville, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application December 20, 1948, Serial No. 66,280
18 Claims. (Cl. 68—26)

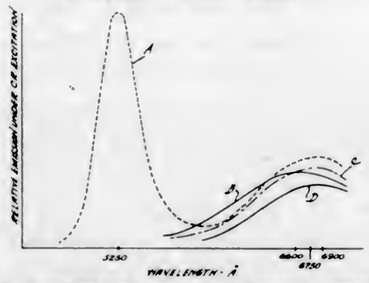
1. In a washing machine, the combination of a tub, a deck adjacent the rim thereof, an aperture in said deck, opposed members above and

below said deck, means for clamping said members against said deck about said aperture, said members having aligned apertures for receiving a swivel tube, a swivel tube having a shank por-



tion projecting into said apertures and having a collar secured to said shank portion and disposed between said members, and means independent of said collar for establishing a seal between one of said members and the shank.

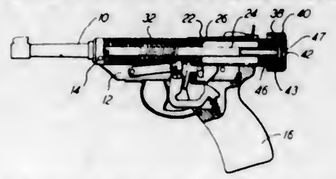
2,601,032
MANGANESE ACTIVATED ZINC BARIUM SILICATE PHOSPHOR
Simon Larach, New Brunswick, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 26, 1951, Serial No. 223,020
4 Claims. (Cl. 252—301.6)



1. A luminescent material having predominantly red emission under cathode ray excitation, said material comprising manganese activated barium zinc silicate in which the ratios of barium oxide, zinc oxide, and silicon dioxide are selected from the group consisting of 1:1:2 and 0.3:1:2, and in which the manganese activator is present between about 0.1 and 2% by weight.

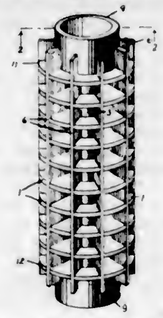
2,601,033
BREECH MECHANISM FOR AIR GUNS
Andrew Lawrence, New York, N. Y., assignor of one-half to Stephen E. Laszlo, New York, N. Y.
Original application February 28, 1946, Serial No. 650,771. Divided and this application September 8, 1949, Serial No. 114,593
2 Claims. (Cl. 124—15)

1. A pneumatic pistol comprising a barrel, a pneumatic cylinder and a spring pressed trigger controlled piston therein, the rear end of said barrel being in communication with said cylinder and receiving compressed air therefrom, a breech-piece at the rear of said barrel having a breech opening therein through which bullets may be passed into the rear end of said barrel, a cap on said breech-piece, interconnecting threads between said cap and breech-piece, an opening in the rear of said cap in line with the opening in said breech-piece and the rear end of said barrel, through which bullets may be passed, a breech block pivoted on said breech piece and located within said cap at the rear of said breech-piece, and a connecting part on said breech-block making contact with said cap, said cap, when manually turned, acting through said connecting part to turn said breech-block on its pivot to and



from a position closing the bullet loading opening in said breech-piece, the direction of said threads and the direction of turning of said cap being related to simultaneously move said breech-block to breech-closing position and to move said cap against said breech-block and the breech-block against said breech-piece to tightly close the bullet-loading opening in said breech-piece against the escape of compressed air.

2,601,034
LAMP DIFFUSER FOR ELONGATED TUBULAR LAMPS
Richard D. Lee, New York, N. Y.
Application June 30, 1950, Serial No. 171,470
1 Claim. (Cl. 240—108)



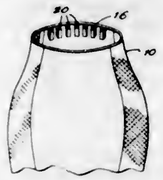
A light diffuser adapted to be used with an electric source of illumination, comprising a plurality of rectangularly shaped slats made of a rigid material, each slat having a plurality of slots positioned along one longitudinal edge, and a slot in each lateral edge thereof, said slots being laterally disposed with respect to their respective edges, a plurality of rigid disks, each having a centrally located aperture and a plurality of slots positioned along the external edge thereof and radially therein, the slots along the longitudinal edges of said slats registering with the slots in said disks such that the exterior edges of said disks and the exterior longitudinal edges of said slats lie in a plane, a pair of cylindrical rings, each having a plurality of slots positioned around one edge thereof, the slots of the respective rings registering with the slots in the respective lateral edges of said slats to lock the slats and disks into a rigid unit, a diffusing tube adapted to surround said source of illumination and positioned in the aperture of said disks, whereby the plurality of flutes formed by the interfitting slats and disks further diffuses said light.

2,601,035
ANTICURL DEVICE FOR COLLARS
Benjamin Liebowitz, New York, N. Y.
Application October 14, 1950, Serial No. 190,092
13 Claims. (Cl. 2—137)



1. In a collar consisting of one or more fabric plies, means for opposing the tendency of a collar point to curl away from the body of the wearer, said means comprising a flexible permanently compression-resistant element located in the neighborhood of said collar point in substantially fixed relation to said collar point; and an elastic strip-shaped element incorporated in said collar in permanently stretched tension-creating condition and secured in such condition to said flexible permanently compression-resistant element in the neighborhood of said collar point extending at least approximately toward the same and located between said flexible permanently compression-resistant element and the inner collar face.

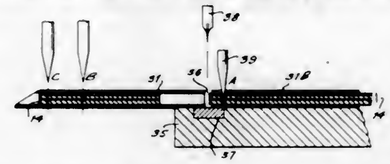
2,601,036
ARTICLE OF WEARING APPAREL
Benjamin Liebowitz, New York, N. Y.
Application December 5, 1950, Serial No. 199,317
18 Claims. (Cl. 2—43)



1. In an article of wearing apparel, means for opposing the tendency of said wearing apparel to curl away from the body of the wearer along an edge of said wearing apparel, said means comprising a flexible permanently compression-resistant element located in the neighborhood of said edge in substantially fixed relation to the same; and an elastic flat element incorporated in said wearing apparel in permanently stretched tension-creating condition between said flexible permanently compression-resistant element and the inner face of the wearing apparel and secured in such permanently stretched tension-creating condition to said flexible permanently compression-resistant element in the neighborhood of said edge with the direction of stretch of said stretched elastic element extending at least approximately toward said edge.

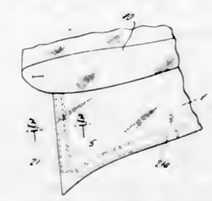
2,601,037
METHOD OF INSERTING STAY STRIPS IN COLLARS
Benjamin Liebowitz, New York, N. Y.
Application March 24, 1951, Serial No. 217,341
1 Claim. (Cl. 223—2)

Method of inserting a curl-inducing strip portion of predetermined length cut off from a continuous length of a curl-inducing strip into an elongated narrow pocket formed in a collar and having a length which is greater than the length of said curl-inducing strip portion so that the rear end of the inserted curl-inducing strip portion is spaced inwardly from the open end of the elongated narrow pocket, comprising the steps of placing two elongated rigid guiding members behind and spaced at a short distance from each other so that their inner ends face each other and their outer ends are located distant from each other; introducing into said guiding members a continuous length of said curl-inducing strip until said curl-inducing strip passes entirely through one of said guiding members and projects into the other of said guiding members a distance equal to the predetermined length of the curl-inducing strip portion to be inserted into the elongated narrow pocket formed in the collar; cutting the thus introduced continuous length of strip between the inner ends of said rigid guiding members so that said other guiding member contains a strip portion of predetermined length; advancing said cut off strip portion of predetermined length in said other guiding member until



its tip located in the neighborhood of said outer end of said guiding member and its rear end is spaced from the inner end of said guiding member; inserting said other guiding member with the cut off strip portion of predetermined length contained therein into an elongated narrow pocket formed in a collar and having a length which is greater than the length of said curl-inducing strip portion until the rear end of said curl-inducing strip portion in the inserted guiding member is spaced inwardly a predetermined distance from the open end of the pocket; engaging said cut off strip portion of predetermined length by means of an externally applied pin without holding the inserted guiding member; withdrawing said inserted guiding member from the collar pocket while the strip is thus engaged, thereby leaving said strip portion in said pocket; and then disengaging said pin so that said cut off curl-inducing strip portion is located in said pocket with its rear end spaced inwardly a predetermined distance from the open end of said pocket.

2,601,038
ANTICURL DEVICE FOR COLLARS
Benjamin Liebowitz, Lewisboro, N. Y.
Application September 24, 1951, Serial No. 247,910
14 Claims. (Cl. 2—132)



1. A device for inducing a curving tendency in a desired direction in a portion of an article of apparel with which said device is eventually assembled, said device comprising in combination a flexible fabric strip including at least one

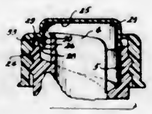
monofilament consisting of plastic material and being compression-resistant in axial direction, said monofilament extending in longitudinal direction of said fabric strip and being incorporated therein so as to make said fabric strip compression-resistant; and an elastic strip-shaped element fastened to one face of said flexible compression-resistant fabric strip in permanently stretched tension-creating condition so as to induce curvature in said compression-resistant flexible fabric strip and hence a curving tendency in a portion of an article of wearing apparel with which the same is assembled, said curvature being in the direction of that face of said compression-resistant flexible fabric strip to which the said elastic strip-shaped element is fastened.

2,601,039
POURING SPOUT
Jay Gould Livingstone, Akron, Ohio
Application December 1, 1949, Serial No. 130,432
3 Claims. (Cl. 222—109)



3. An adapter for an opening in a vessel containing liquid, which adapter comprises a passage which serves both as an air inlet and a pouring outlet for liquid and is formed with a pouring lip at its top and a slanting channel on the outside of the passage adapted to receive liquid dripping or overflowing from the pouring lip, an opening through the rear wall of the passage into the low point of the channel, and means below the opening which extends toward the front of the passage and which both limits the amount of liquid which can pass through the passage and prevents liquid which flows out through the passage from entering the channel through said opening.

2,601,040
FITTING AND SEALING MEANS THEREFOR
Jay Gould Livingstone, Akron, Ohio
Application July 5, 1950, Serial No. 172,167
16 Claims. (Cl. 222—109)

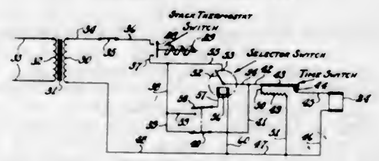


1. In combination, a fitting of resilient material having a body portion secured to the end of a generally cylindrical, tubular object similar to the neck of a bottle or the like, a flexible annular tongue which is a part of the fitting, the tongue being relatively thin where it is joined to the body of the fitting, the tongue having a relatively thicker portion away from the body which is diametrically wider than the diameter of the opening through the tubular object to which the fitting is secured, but which portion is diametrically narrower than the outside diameter of the tubular object, the outer surface of the wider portion of the tongue being deformed against the tubular object, the tongue being flexed inwardly about the thin portion to permit the deformation of the wider portion of the tongue.

7. An adapter-and-cap assembly of resilient material for a shipping container for liquid, the adapter portion of the assembly including an outer tubular portion with a threaded skirt attached thereto which skirt is adapted to be threaded onto the neck of the container, and inside the skirt and substantially concentric therewith an annular tongue which projects downwardly from the tubular portion, the tongue being relatively thin where it is joined to the tubular member and being relatively thick near its bottom portion, the tongue being adapted to be deformed against a portion of the neck of the container when the skirt is threaded thereon, the upper edge of the tubular portion of the adapter being covered by the closure cap which has a roof portion and a skirt portion threaded onto the tubular portion of the adapter, and which further includes an annular tongue projecting downwardly from the roof and located concentrically of the skirt, this closure cap tongue being thin where it is joined to the roof and being thicker near the bottom, and being flexed inwardly with the thick portion in pressure contact with the interior surface of the tubular portion of the adapter below the inner rim thereof and forming a continuous seal therewith.

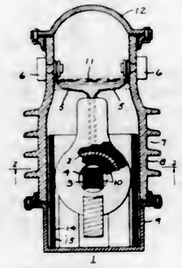
8. An adapter of resilient material for a shipping container for liquid, which adapter includes an outlet passage through which liquid may be poured from the container along one side thereof, the opposite side of the passage having an opening near the bottom thereof, a wall surrounding the outlet passage, a channel between the wall and the outlet passage leading to the opening, the bottom of the channel at the opening being lower than any other portion of the channel's bottom whereby liquid spilling into the channel is conducted to the opening where it empties into the outlet passage, the top of the passage projecting above the wall, extending outwardly from the base of the wall means to releasably secure the adapter to the container, and within the securing means an annular tongue which surrounds the outlet passage concentrically, this tongue being relatively thin at the portion joined to the adapter and being relatively thick at the lower end thereof, the tongue being adapted to be flexed inwardly at the thinner portion and the thicker portion being adapted to be deformed against a portion of the neck of the container when the adapter is positioned on the neck.

2,601,041
CONTROLLING MECHANISM FOR FLUE CLEANING MEANS FOR HEATING APPARATUS
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application June 11, 1949, Serial No. 98,445
7 Claims. (Cl. 158—28)



5. The combination with an electrically-operated fluid-fuel burner adapted to fire into a heating apparatus, an energizing circuit for the burner, and a switch in said circuit for starting and stopping the burner, of a supply conduit for water under pressure, a nozzle connected to said conduit and adapted to be located to deliver a spray of water into the heating apparatus for cleaning the same when the burner is positioned to fire into such apparatus, a valve in said conduit to start and stop said spray, electrical means controlling the opening and closing of said valve, an energizing circuit for said last-named means connected to said first-named circuit, a time switch in the second circuit, and electrical means for controlling the opening and closing of the time switch and the interval during which it is closed, said last-named electrical means being connected to the first-named circuit and controlled by the switch that starts and stops the burner.

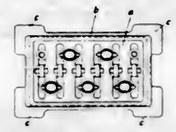
2,601,042
TRANSFORMER
Louis W. Marks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 17, 1949, Serial No. 116,380
4 Claims. (Cl. 175—358)



1. In a high-voltage instrument transformer, a first annular-shaped electrical winding and a second annular-shaped electrical winding, one of said windings being positioned on an annular-shaped magnetic core structure, said first and second windings being structurally interlinked with each other, the axis of said first winding being perpendicular to the axis of said second winding, a hollow insulating casing surrounding and enclosing said first and second windings, the longitudinal axis of said insulating casing being perpendicular to the respective axes of said first and second windings, an insulating liquid within said casing, said windings being immersed in said liquid, a conductively isolated hollow cylindrical conductor member contained within said casing, said hollow cylindrical conductor member being coaxial with said casing, said hollow cylindrical conductor member surrounding said windings and core structure.

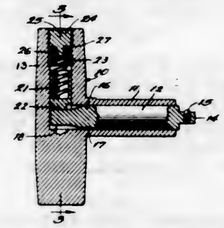
2,601,043
PROTECTIVE MEANS FOR ELECTRICITY STORAGE BATTERY CASES
John Masterton, Dorridge, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application April 13, 1951, Serial No. 220,781
In Great Britain February 11, 1950
1 Claim. (Cl. 136—181)

Protective means for use on electricity storage battery cases, comprising a band made from rubber or like material adapted removably to embrace a battery case and having formed on or incorporated therewith protuberant buffer



pieces at positions corresponding to the corners or other parts of the case.

2,601,044
TORQUE WRENCH
William H. Mayer, Fort Wayne, Ind.
Application January 6, 1949, Serial No. 69,565
1 Claim. (Cl. 81—52.4)

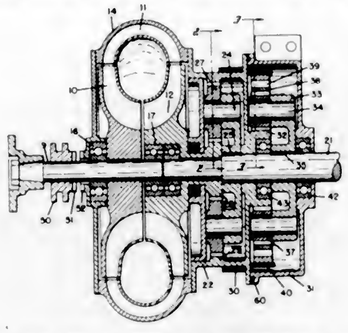


In a torque wrench of the type having a T-shaped casing providing a shaft-receiving portion having a shaft passage therein and a handle portion having a plunger passage therein intersecting said shaft passage, a shaft rotatably received in said shaft passage and having an outer end shaped for locking engagement with an object to be rotated and having also an inner end provided with a plurality of cam surfaces, each of said cam surfaces having a depressed portion of reduced radius between a steeply curved ridge portion of rapidly increasing radius and a slightly curved ratchet portion of gradually increasing radius, a plunger slideably mounted in said plunger passage and having an inner rounded end engagedly with said shape cam surfaces and adapted to seat in the said depressed portions thereof, and spring means for yieldably urging said plunger against said cam surfaces with selectively variable pressure, whereby on rotation of said handle in one direction the rounded end of said plunger is locked within one of said depressed portions against the adjacent ridge portion until a torque is developed sufficient to overcome the selected spring pressure on said plunger, while upon rotation of said handle in the opposite direction said rounded end slides out of said depressed portion onto said ratchet portion and rides over said cam surfaces.

2,601,045
FLUID POWER TRANSMISSION
Stanley Mayner, Cleveland Heights, Ohio, assignor of two-fifths to Thomas S. Mayner, Russel Township, Ohio
Application June 29, 1949, Serial No. 102,007
11 Claims. (Cl. 74—677)

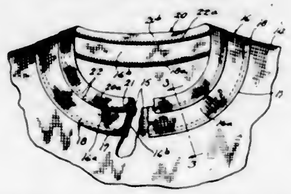
1. A fluid power transmission comprising, a power input shaft, an impeller attached to said input shaft, a first turbine, a second oppositely rotating turbine, said impeller and first and second turbines being in the same fluid circuit, first

and second planetary gear systems in a series relation associated with said turbines, one of said turbines being adapted to drive a gear member in each of said planetary systems, the other of said turbines being attached and adapted to drive a



gear in the first of said planet systems, means in said second planet system for providing reaction for said turbines, and an output shaft, said output shaft being driven by the planet gears of said planetary systems.

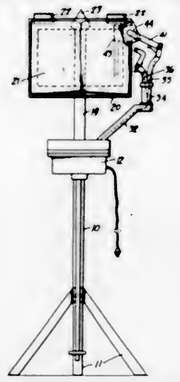
2,601,046
GARMENT CONSTRUCTION
Herman M. McDonald, Evanston, Ill., assignor to Dorothy L. McDonald, Evanston, Ill.
Application February 15, 1951, Serial No. 211,153
4 Claims. (Cl. 2—90)



1. A garment made of yieldable fabric comprising a fabric body member having a neck-conforming edge, a first fabric-reinforcing piece embracing said edge and secured to said member along a first line adjacent said edge and along a second line spaced from said edge, and a second fabric reinforcing piece embracing that portion of said first reinforcing piece adjacent said edge and secured to said first piece and said body member along said first line.

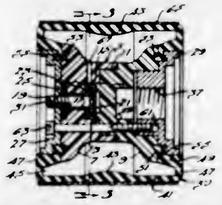
2,601,047
PAGE TURNER
Marshel D. Merrion, Brooklyn, N. Y., assignor of one-half to Geneva Leverett, Brooklyn, N. Y.
Application October 19, 1948, Serial No. 55,330
2 Claims. (Cl. 40—104)

1. A page turning device comprising a frame including an anvil portion, clips for supporting a book by its cover on the frame, a mounting for the frame including a housing and a support therefor, page bulging means including a pivoted spring biased arm and a wiping pad on said arm for coactive operation with said anvil, page turning means including a pivoted spring biased page turning finger, means for mounting said page bulging and page turning means for arcuate swinging movement including a gear in the housing and a tubular carrier connected to said gear and upon the upper end of which carrier said page bulging and page turning means is mounted, a retractile spring on the gear for returning said carrier to starting position after a page turning operation, a pinion having sleeve-in-a-slot mounting in said housing for sliding movement into and out of mesh with the gear, motor means for rotating said pinion including a shaft from the motor to the pinion and a switch for con-



trolling a circuit including said motor, spring biased lever means pivoted in the housing and movable to mesh said pinion and gear and close said switch to operate the motor, cable means extending from said lever through the tubular carrier to actuate the arm of the page bulging means and the finger of the page turning finger coordinately, and a manually controlled operating rod extending from said lever means to the exterior of said housing.

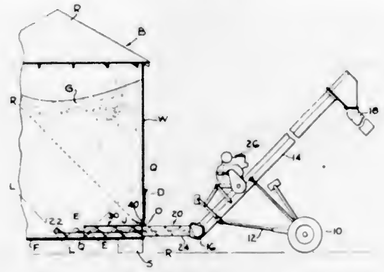
2,601,048
BUFFING AND POLISHING DEVICE
Maynard L. Monger, deceased, late of Royal Oak, Mich., by Beatrice W. Monger, administratrix, Detroit, Mich., assignor to Beatrice W. Monger
Application May 19, 1950, Serial No. 162,922
7 Claims. (Cl. 51—192)



1. A buffing and polishing wheel including a hub composed of a pair of separable members disposed in an end to end aligned relationship, one of said members having a cavity therein adjacent the other of said members and a passageway communicating with said cavity and extending through one end thereof, a headed valve stem extending through said passageway and having the headed end thereof disposed within said cavity, platelike clamping elements disposed adjacent the opposite ends of said hub members, one of said elements having an opening therein through which said valve stem extends, the opposite ends of said hub members and each of said platelike elements being recessed so as to coact

to provide annular recesses which are of a dovetail shape in cross section, a cylindrical flexible element surrounding said hub and plate-like elements, the peripheral wall of which is spaced from said hub so as to provide an air space therebetween, end portions extending radially inwardly from the opposite ends of said peripheral wall and including an annular portion which is of a dovetail shape in cross section and disposed within said annular dovetail recess formed in said hub and platelike elements, means interconnecting said platelike elements and clamping said dovetail portions between said elements and said hub so as to provide a sealed connection, and passageway means in said hub communicating said hub cavity with the air space between said cylindrical member peripheral wall and said hub.

2,601,049
AUXILIARY DEVICE FOR UNLOADING GRAIN BINS
Leonard B. Neighbour, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 28, 1948, Serial No. 46,688
3 Claims. (Cl. 214—17)

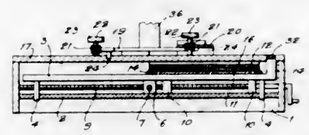


1. For use in the unloading of granular material such as grain or the like from a storage bin or similar structure by means of a portable elevator having an open auger conveyor wherein the bin has a horizontal floor on which material is supported and a vertical wall behind which the material is confined and in which is provided an opening that extends upwardly from the level of the floor and through which access is had to the material by insertion of the auger horizontally over the floor: a unit attachment shield of sheet metal or the like of elongated construction having its cross-sectional shape in the form of an inverted U to provide an arcuate top wall and a pair of spaced apart generally vertical side walls and an inner end and an outer end, said shield being positionable within the bin with the outer end adjoining and in alignment with the opening in said bin wall and extending inwardly over the floor so that the inner end is relatively remote from said opening and with the top wall of said shield spaced above the bin floor and the side walls extending to the floor to cooperate with the floor and provide a tunnel entirely above the level of the floor and communicating at the outer end of the shield through said bin wall opening to receive the elevator auger and opening at the inner end of the shield to material in the bin, the length of the shield from its inner end to its outer end being such that the angle of repose of material in the bin that has gravitational access to the inner end of the shield intersects the bin floor within the tunnel sufficiently remote from the bin wall opening so that material cannot flow by gravity outwardly through said opening, and each of said side walls having a horizontally flanged portion provided with perforations to receive securing means for attaching the shield to the bin floor.

2,601,050
DRILLING FLUID
Alfred C. Nestle, Long Beach, Calif., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 15, 1948, Serial No. 49,455
28 Claims. (Cl. 252—8.5)

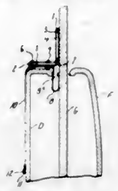
1. An aqueous drilling fluid containing not less than about 17% mineral oil by volume and at least one of the finely divided constituents of tree bark selected from the group consisting of the cork fraction, the bark fiber fraction, and the bark powder fraction, said constituent being present in a proportion of not less than about 3 lbs. per bbl. of drilling fluid.

2,601,051
PHOTOGRAPHIC PRINTING MACHINE
Aage Linde Nielsen, Aalborg, Denmark
Application January 25, 1950, Serial No. 140,374
In Denmark January 28, 1949
3 Claims. (Cl. 88—24)



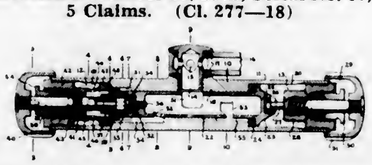
1. An apparatus for making enlarged photographic reproductions by photographic magnifying means comprising in combination, a box having two parallel transversal guide slots in the bottom plate; a rail longitudinally extending through said box provided with a longitudinal slot; two guide pins rigidly secured to said rail and sliding in said guide slots in said bottom plate; a threaded transversally disposed spindle mounted rotatably in said box; a nut rigidly secured to said rail and adapted to be screwed along said transversal spindle when said spindle is rotated thereby moving said rail transversally; a first supporting plate mounted slidably on said rail and provided with at least two parallel transversal slots; a threaded longitudinally disposed spindle rotatably mounted in said box; a nut rigidly secured to said first supporting plate and adapted to be screwed along said longitudinally disposed spindle, whereby said first supporting plate is moved longitudinally; a second supporting plate slidably mounted on said first supporting plate; guide pins rigidly secured to said second supporting plate, and guided in said slots of said first supporting plate, and in said slot of said rail, so that said second supporting plate is moved longitudinally with said first supporting plate, when said longitudinal spindle is rotated, and moved transversally with said rail, when said transversal spindle is rotated; a glass plate disposed on top of said second supporting plate adapted to hold in place a sheet of photosensitive material placed on said second supporting plate; and measuring means adapted to measure the transversal and longitudinal displacements of said second supporting plate and said sheet of photosensitive material.

2,601,052
PROTECTOR PAD AND ARMREST FOR AUTOMOBILE WINDOWS
Douglas Ortleb, St. Louis, Mo.
Application September 4, 1948, Serial No. 47,815
1 Claim. (Cl. 296—49.2)



An integrally formed protector pad for use in an automobile window or the like, comprising a section of material folded and secured to provide a casing, a stiffening member secured within said casing, said encased stiffening member being adapted to be positioned on the frame of said window to provide a protector pad for the arm of an occupant of the automobile, and resilient retaining means secured on the underside of said stiffening member for insertion between the frame and glass of said window and adapted to secure said pad in position by frictional engagement against dislodgement upon vertical movement of said glass, said stiffening member being provided with a scored line to permit a portion thereof to rest against the surface of said glass when said glass is in raised position.

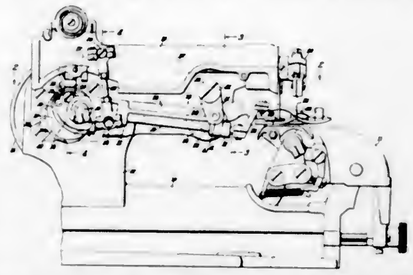
2,601,053
MIXING AND FLOW CONTROLLING VALVE
John F. Ovary, New York, N. Y.
Application December 29, 1948, Serial No. 67,780
5 Claims. (Cl. 277—18)



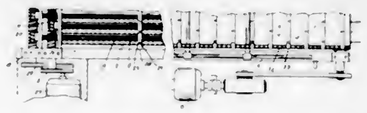
1. In a valve structure of the character described, the combination of a casing having a plurality of supply ports adapted for connection to supply pipes and a single discharge port, a valve chamber communicating directly with each supply port, a reciprocating valve in each of said chambers, operating means for actuating said valves in unison, a rotary mixing chamber having a single outlet port opening directly to said discharge port and a plurality of inlet ports spaced for single or simultaneous flow into the chamber, flow channels leading directly from said inlet valve chambers to said mixing chamber inlet ports, and another operating means for rotating said chamber to shift said mixing chamber inlet ports into communication with said flow channels.

2,601,054
LOOPER MECHANISM FOR BLIND-STITCH SEWING MACHINE
Frank Parry, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 22, 1949, Serial No. 117,160
5 Claims. (Cl. 112—176)

1. A looper mechanism for a blind-stitch sewing machine having a machine-frame and a thread-carrying needle, comprising a looper complemental to said needle in the formation of chain-stitches, a looper-carrying shaft, a movable looper-frame in which said shaft is journaled, means supporting said looper-frame, a rotary actuator operatively connected to said looper-frame, and an anchor-link operatively connected to said looper-carrying shaft and to said frame and arranged to oscillate said shaft relative to said looper-frame when said looper-frame is actuated.



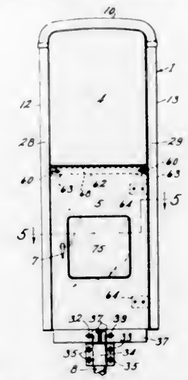
2,601,055
STRAWBERRY CAPPING MACHINE
Fred L. Rahal, North East, Pa.
Application October 30, 1948, Serial No. 57,445
2 Claims. (Cl. 146—55)



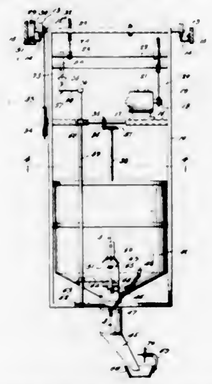
1. In a strawberry capping machine, a bed inclined so the berries tumble freely down the slope of the bed, said bed having an essentially unobstructed generally flat upper surface over which the berries are free to tumble lengthwise and crosswise, said surface being formed of a plurality of pairs of capping rolls, each pair of capping rolls comprising contacting rolls extending in the direction of flow of strawberries down the bed and rotating in the direction to draw leaves, stems and hulls down through the bites of the rolls and having clearance spaces between adjacent pairs of rolls, said rolls having a diameter of the order of the diameter of the smallest strawberries, and at least one of each pair of rolls being covered with rubber-like resilient material, and one roll of each pair having longitudinal corrugations and the other roll being substantially smooth, means for directing distributed streams of water transverse to the upper surface of the bed so as to strike berries tumbling down the bed and wash the berries and rolls.

2,601,056
SECTIONAL HOUSING CONSTRUCTION AND SUPPORT MEANS THEREFOR
Edward D. Rapisarda, Agawam, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application August 9, 1949, Serial No. 109,340
1 Claim. (Cl. 220—3.92)

A sectional housing adapted to be assembled about and enclose an instrument mounted on a fixed support and comprising, front and rear matching box-like sections, each consisting of a top wall, a bottom wall and two side walls interconnecting the top and bottom walls to form a rectangular enclosure, the edges of corresponding walls of the two sections adapted to abut along a plane, said sections having an opening formed partly in one and partly in the other and crossing the meeting plane of the two sections, said opening adapted to receive and closely fit the instrument support, a two-part clamp one part of which is fixed solely to the rear section adjacent said opening and the other part of which is separate from both sections, said clamp parts adapted to encompass said support, means for drawing said clamp parts together to fix the rear section only to said support, clamping means inside said enclosure for fastening the front section to the rear section, said front and rear sections having front and rear walls respectively, connected to the non-abutting edges of said top, bottom and side walls and forming a closure for said enclosure, at least one of said front and rear walls being easily removable to gain access to the interior clamping means.



2,601,057
MECHANICAL CHICKEN FEEDER
James W. Roberts, Robert D. Hogan, and Amos Hogan, Pekin, Ind.
Application July 21, 1948, Serial No. 39,886
2 Claims. (Cl. 119—51)



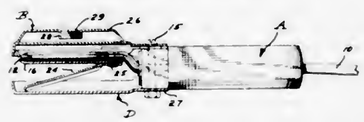
1. In an apparatus of the character described, a frame, a hopper carried by said frame, a trough mounted on the ground below said hopper, a spout extending from the hopper to the trough, means for regulating the flow of material from the hopper to the trough, and automatic means for cutting off the flow of material from the hopper to the trough, said means for regulating the flow of material from the hopper to the trough comprising a bracket mounted on said hopper adjacent said spout, a gauge valve slidably mounted upon a bracket and adapted to be moved transversely into and out of the spout, means on said bracket for locking the gauge valve in adjusted positions, and said automatic means for cutting off the flow of material from the hopper to the trough including a cut-off valve slidably mounted upon the gauge valve.

2,601,058
AWNING STRUCTURE
Ray R. Ross, Reading, Ohio
Application April 29, 1950, Serial No. 158,953
4 Claims. (Cl. 160—327)



4. An awning bracket for use on a building wall comprising two portions extending at an angle to each other, one of said portions having means whereby it may be secured to said wall in substantially vertical position, the other said portion extending outwardly from said wall, said portions being connected by a spring having a tendency to force said portions apart.

2,601,059
STEAM ELECTRIC CREASING IRON
Jerome H. Rotheraine, Philadelphia, Pa., assignor of one-third to David L. Richman, Larchmont, N. Y., one-third to Herbert Sperber, Brooklyn, N. Y., and one-third to Jerome H. Rotheraine, Philadelphia, Pa.
Application November 27, 1948, Serial No. 62,290
3 Claims. (Cl. 219—21)



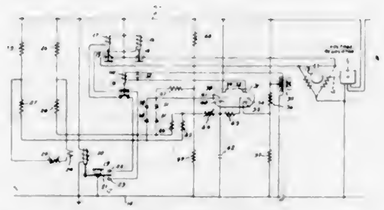
1. An electric steam trouser creaser comprising a water reservoir, a hollow steam generating casing having a plurality of steam openings therein, said water reservoir being located adjacent said hollow casing to serve as a covering for said hollow casing, a common wall between the water reservoir and steam generating casing, said water reservoir having a small water opening of capillary size leading to said hollow casing, said hollow casing with said steam openings therein serving as one side of a trouser creaser, and a second plate attached at one end to said hollow casing whereby said second plate serves as the other side of said trouser creaser.

2,601,060

AUTOMATIC REGULATOR CONTROL

Lewis R. Runaldue, Dalton, Mass., assignor to General Electric Company, a corporation of New York

Application February 8, 1951, Serial No. 209,947
5 Claims. (Cl. 318—285)



3. A motor control system comprising switch means for energizing a motor, two independent control circuits including a control switch movable to one closed position by engagement with a contact in one of said control circuits to control the operation of said switch means so as to cause operation of said motor in one direction and movable to another closed position by engagement with a contact in the other of said control circuits to control the operation of said switch means so as to cause operation of said motor in the other direction, a normally closed switch in each of said control circuits respectively in series circuit relation with said control switch, timing means for simultaneously holding said normally closed switches open to render said control switch ineffective for a predetermined time after a closure thereof including a pair of electronic discharge devices each of which has an anode, a cathode and a control grid, a cathode connected capacitor in the anode-cathode circuit of one of said discharge devices, a coil for simultaneous actuation of said normally closed switches in the anode-cathode circuit of the other of said discharge devices, means for impressing a positive bias with respect to the cathode on the grid of said one discharge device to render said device conductive to charge said capacitor, the grid of said other discharge device being connected to the junction between the cathode of said one discharge device and said capacitor whereby said capacitor is effective when charged to impress a positive potential on the grid of said other discharge device to render said device conductive and effective to energize said coil to hold said normally closed switches open, said control circuits being interconnected at points between said control switch and said normally closed switches through series connected oppositely poled germanium rectifiers and separately interconnected at said points through a pair of series connected resistances, the grid of said one discharge device being connected to said control circuits respectively through said rectifiers and the cathode of said one device being connected through another resistance to an intermediate point between said series connected resistances whereby closure of said control switch effects the impression of a negative potential with respect to the cathode on the control grid of said one discharge device to render said device ineffective to charge said capacitor and said capacitor is discharged through said other resistance to render the grid of said other discharge device negative with respect to the cathode thereof whereby said coil in the anode-cathode circuit of said other device is deenergized and rendered ineffective to hold said normally closed switches open.

2,601,061

SALT SHAKER COMPRISING A CENTRAL CONTAINER SLIDABLE IN OUTER CASING TO UNCOVER OPENINGS

William Schwartz, New York, N. Y.

Application December 18, 1950, Serial No. 201,380
2 Claims. (Cl. 222—162)



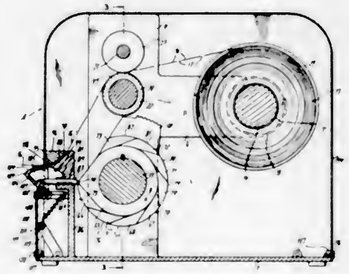
1. A shaker construction comprising a central container closed at its upper end and having immediately beneath the closed end a plurality of circumferentially spaced holes through which the material can be dispensed, said central container having a radially extending flange adjacent to its lower end, means removable on the lower end of the container to permit the filling of the container with the material, an outer casing having a shoulder adjacent its upper end and a portion slidable over the openings thereof, said outer casing having an inwardly bent flange engageable with the radially extending flange of the central container and to stop the downward displacement of the central container and a compression spring reacting between the flange of the central container and the shoulder of the outer casing, said central container being adapted to be depressed to free the openings from the portions of the outer casing to dispense the contents of the inner container.

2,601,062

STAMP DISPENSING MACHINE

Richard M. Singer, University City, Mo.

Application May 8, 1950, Serial No. 160,627
10 Claims. (Cl. 312—39)



1. A machine for dispensing stamps from a roll having horizontal rows of stamps comprising a base structure having a delivery opening, means for feeding stamps through said opening, a plurality of laterally aligned members rockably mounted on said base structure adjacent the delivery opening and being disposed normally outwardly thereof for supporting stamps ejected therethrough, said members corresponding in number to the number of stamps in a horizontal row of the roll, and means for selectively rocking the requisite number of said members inwardly in order to present a corresponding number of stamps for ready detachment from the roll.

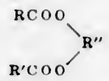
2,601,063

GLYCOL ESTERS OF ALKYL-MERCAPTO-CARBOXYLIC ACIDS

Paul V. Smith, Jr., and Louis A. Mikeska, Westfield, N. J., and Alexander H. Popkin, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 24, 1948, Serial No. 51,112
6 Claims. (Cl. 260—481)

1. As a new composition of matter a compound of the formula



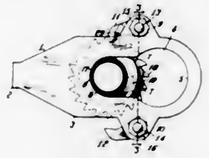
where R and R' are open chain aliphatic hydrocarbon radicals containing 2 to 22 carbon atoms, at least one of the radicals containing a sulfur atom as a thioether linkage, the sulfur atom being separated from the COO group by at least one carbon atom, and where R'' is an organic radical selected from the group consisting of (1) saturated aliphatic hydrocarbon radicals of 2 to 18 carbon atoms and (2) radicals consisting of series of saturated aliphatic hydrocarbon radicals linked through at least one non-carbon atom of the group consisting of oxygen and sulfur, not more than two sulfur atoms being in the radical, each hydrocarbon radical so linked by a non-carbon atom containing at least two carbon atoms, the sum of the carbon atoms and said non-carbon atoms in the entire radical being from 5 to 80, and the molecular weight of the entire compound being at least 300.

2,601,064

NONSLIP WRENCH

Peter Charles Snyder, Shickshinny, Pa.

Application August 7, 1950, Serial No. 178,063
8 Claims. (Cl. 74—156)



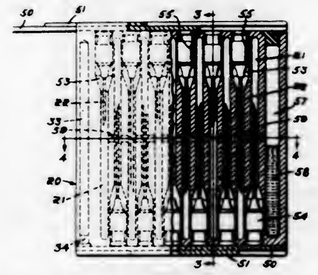
1. A ratchet wrench for engaging a ratchet wheel of a winding shaft of a truck for transporting automobiles, said ratchet wrench comprising a bar having a handle portion at one end and a head at the other end having a longitudinal opening closed at both ends and defined by connecting side and end walls, one of the end walls being curved to conform to the configuration of the winding shaft and forming a bearing for the ratchet wrench, and a pawl pivotally mounted on the head and arranged to engage said ratchet wheel when the bearing surface is engaged with the winding shaft, said opening at the other end wall being enlarged and of a size to permit it to pass over a safety collar fixed to said shaft in spaced relation to the ratchet wheel to prevent lateral movement of the ratchet wrench when the bearing thereof is in engagement with the shaft.

2,601,065

HYPODERMIC NEEDLE HOLDER

Anthony J. Son, Boston, Mass.

Application April 6, 1951, Serial No. 219,676
3 Claims. (Cl. 206—43)



1. A hypodermic needle holder comprising a unitary body portion provided with pockets for receiving hypodermic needles having hubs, the inner portion of each pocket being cylindrical for receiving a needle and the outer portion thereof being enlarged and conforming generally to the shape of the needle hub, a movable closure for each end of said body portion, a pocket adapted for receiving a volatile sterilizing medium disposed in said body portion substantially parallel to the needle-receiving pockets, said body portion being provided with a duct substantially normal to the needle-receiving pockets, said duct connecting all of the pockets above mentioned, whereby the gas developed by the sterilizing medium will be conducted to the needle receiving pockets, and means co-operating with each said closure for sealing the ends of said body portion.

2,601,066

PREPARATION OF ALKALI METAL SALTS FROM ALKALI METAL CHLORIDES

Maurice Sourdet and Jean Martin, Paris, France, assignors to Societe d'Etudes Chimiques Pour l'Industrie et l'Agriculture, Paris, France, a French company

No Drawing. Application December 7, 1950, Serial No. 199,724. In France December 8, 1949
10 Claims. (Cl. 23—63)

1. Method of preparing an alkali metal salt from an alkali metal chloride which comprises (1) admixing, in the dry state, alkali metal chloride and calcium hydrophosphate, (2) reacting said mixture in the presence of water in the vapor state at an elevated temperature to produce a solid product free of chloride and consisting essentially of calcium-alkali metal phosphate, (3) placing said double phosphate in aqueous suspension and introducing therein a weakly acidic gas thereby to regenerate the calcium hydrophosphate in the solid phase, (4) separating the liquid phase from said solid phase, and (5) evaporating the liquid phase to obtain the alkali metal salt of said weak acid.

2,601,067

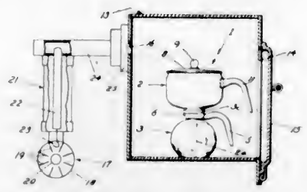
COFFEE BREWING

Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 24, 1948, Serial No. 16,840
3 Claims. (Cl. 99—292)

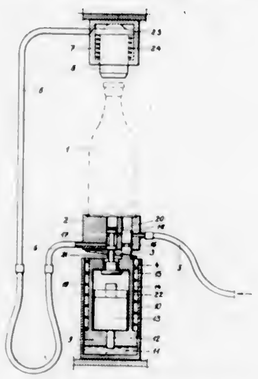
1. Apparatus for brewing coffee comprising a source of radiated microwave energy, a two-container vacuum-type coffee brewing device,

the first container being metallic and being adapted to contain ground coffee and to shield said coffee from said energy, a second container



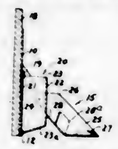
permeable to microwave energy connected to said first container and a microwave energy reflector for directing energy from said source toward said brewing device.

2,601,068
AUTOMATIC PRESSING MEANS, MORE PARTICULARLY FOR CLOSING BOTTLES
Jan Staller, Zurich, Switzerland, assignor to Jasta A. G. Zürich, Zurich, Switzerland
Application July 29, 1949, Serial No. 107,485
In Czechoslovakia September 6, 1948
5 Claims. (Cl. 226—80)



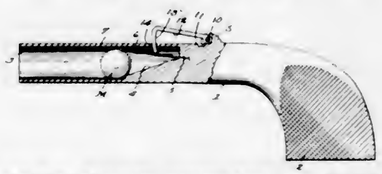
1. Automatic pressing apparatus for applying a closure to bottles and like containers comprising in combination, movably mounted pressure head means for bearing against the closure and applying it to the container; support means for supporting the container; means mounting said support means for movement under the weight of a container placed thereon; hydraulic fluid means for moving said pressure head means against the closure on the container; actuating means operatively connected to said support means for automatically actuating said means for moving said pressure head means in response to movement of said support means when a container is placed thereon, said actuating means comprising a valve means communicating with said hydraulic fluid means and operatively connected to said support means to be opened by the movement of the same when a container is placed thereon, whereby hydraulic fluid flows to said pressure head means; and means for automatically disconnecting said means for moving said pressure head means from said pressure head means after a predetermined pressure has been applied to the closure means on the container by said pressure head means.

2,601,069
DUSTPAN
William Strumbos, Detroit, Mich.
Application March 1, 1951, Serial No. 213,361
4 Claims. (Cl. 65—20)



1. In combination with a hinged house door, a dust pan of the kind described, said dust pan including a bracket on one side of the door along its lower portion, a dust container open at the top and suspended by the bracket, a scoop hinged to the bracket, spring means to hold the scoop in a position to cover the container from the top, and pedal means to swing the scoop against the tension of the spring means downwardly to cause it to lie on the floor below said door.

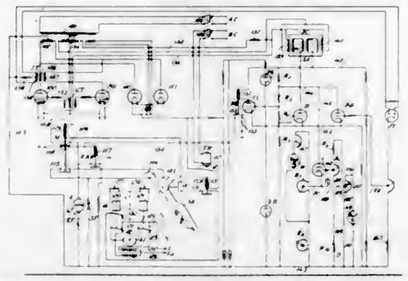
2,601,070
MARBLE SHOOTER
George R. Teschel, Vienna, W. Va., and William R. Teschel, Marietta, Ohio
Application October 16, 1950, Serial No. 190,302
1 Claim. (Cl. 124—10)



A marble shooter comprising an elongated body, a laterally extending pistol grip carried by the body adjacent one end thereof, said body having an elongated axial bore extending thereinto through the end thereof remote from the pistol grip, a wall within the body adjacent the pistol grip, said wall inclining inwardly as it recedes from the open end of the bore and being disposed on the side of the bore adjacent the pistol grip, said body having an opening extending therethrough on the side thereof remote from the pistol grip and communicating with the bore intermediate the ends of the inclined wall, a leaf spring carried by the body and projecting into the bore adjacent the end thereof adjacent the pistol grip, said spring lying at a divergent angle to the inclined wall and extending between the wall and opening in the body, a trigger mounted on the body adjacent the opening to move about an axis which lies perpendicular to the axis of the bore, a lip carried by the trigger and extending through the opening for engaging the spring and moving it toward the inclined wall whereby a marble resting on the wall and contacting the spring will be forcibly propelled through the bore and out of the body.

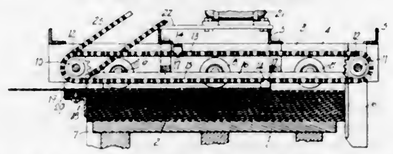
2,601,071
WEB ROLL ACCELERATING APPARATUS
Paul L. Tollison, North Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application January 21, 1949, Serial No. 71,896
11 Claims. (Cl. 242—58)

1. Web roll accelerating apparatus comprising the combination with web consuming apparatus and a web running thereto, of a web roll support, an electric motor connected to drive a roll on said support through its axis, a running web speed generator driven from said web consuming apparatus at a speed proportional to the speed of travel of said running web, a fresh roll speed generator driven from said motor at a speed proportional to the angular velocity of a roll on said support, means for supplying operating en-



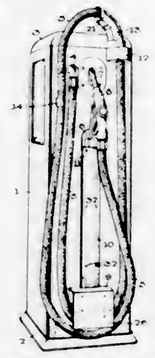
ergy of variable magnitude to said motor, means for variably reducing the voltage generated by said roll speed generator directly with and in proportion to the initial diameter of a fresh roll on said support, and means responsive to the relation between the voltage generated by said web speed generator and the voltage generated by said roll speed generator as reduced by said voltage reducing means for governing the amount of energy supplied to said motor.

2,601,072
SHEET FEEDING DEVICE
Robert J. Van Schie, Grand Rapids, Mich.
Application January 19, 1950, Serial No. 139,384
18 Claims. (Cl. 214—8.5)



1. In a machine for feeding sheets from the top of a stack of sheets, the combination of a frame provided with downwardly projecting guide members slidably engaging the sides of the stack of sheets, a plurality of supporting rollers having parallel axes and adapted to rest upon the top sheet of the stack to floatingly support the frame thereon, conveyer shafts mounted on said frame and each provided with a plurality of axially spaced sprockets, said shafts being disposed on said frame outside the vertical planes of opposite edges of the stack, conveyer chains on said sprockets having sheet pusher flights mounted thereon in transversely aligned relation, the said shafts being arranged so that the lower reaches of the conveyer chains travel above and in a plane parallel to the sheets of the stack, the flights being positioned to engage an edge of the top sheet of the stack to discharge the same from beneath the frame, thrust bars arranged above the bottom reaches of the conveyer chains to maintain the flights thereof in engagement with the sheet being discharged, and a cross member mounted on said frame to engage a plurality of the sheets of the stack below the top sheet at the front ends thereof relative to their direction of discharge.

2,601,073
RADIAL HEAD WEIGHT-CONTROLLED HOSE EXTENSION DEVICE
Bernard Wagner, Pittsburgh, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 20, 1950, Serial No. 139,680
1 Claim. (Cl. 299—77)



A liquid dispensing device comprising an upstanding housing adapted to project above a surrounding service area and having side walls and a top, a dispensing hose extending exteriorly of said housing from a high point in a side wall thereof and disposed in a depending loop along the side of the housing, a vertical track mounted on said side wall within the looped portion of hose, a weight engaging said track and guided thereby for vertical movement, said weight riding within and bearing upon the depending looped portion of said hose, a tubular bracket mounted on said side wall above said track and adapted to receive the upwardly extending return portion of the looped length of hose, a rotatable standard swiveled in said bracket and extending above the top of said housing, the upper, projecting end of said standard being angularly directed with respect to its axis of rotation and comprising spaced side members having a terminal bridging portion which is adapted to overlie the hose guided between said side members and to direct the hose outwardly from a position above the top of the housing, whereby the hose may be extended in any direction through an arc of 360 degrees without interference by the housing.

2,601,074
COMBINED CLOTHES HANGER AND COMPARTMENT HOLDER
Venola Walton, New York, N. Y.
Application May 25, 1950, Serial No. 164,252
3 Claims. (Cl. 223—86)



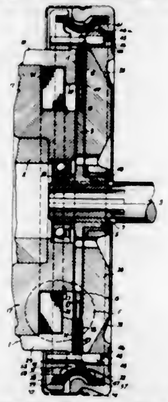
1. A combined clothes hanger and compartment holder comprising a bar support, a wire bracket within the support and having a hook portion

extending upwardly therefrom to fix the hanger to a rod and an integrally depending twisted wire portion having openings therein, a container and rivet means securing the container through the openings to the twisted wire portion.

2,601,075
PROCESS FOR PREPARING SUBSTITUTED CYCLOHEXANES
John E. Wicklatz, Bartlesville, Okla., and James N. Short, Cincinnati, Ohio, assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 15, 1948, Serial No. 60,173
3 Claims. (Cl. 260—666)

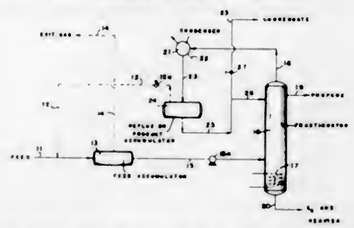
1. A method for the production of 1,2-dimethylenecyclohexane, which comprises the steps of condensing 1,3-butadiene with maleic anhydride to produce tetrahydrophthalic anhydride, hydrogenating said tetrahydrophthalic anhydride to produce hexahydrophthalic anhydride, esterifying said hexahydrophthalic anhydride to produce diethyl hexahydrophthalate, reacting said diethyl hexahydrophthalate with sodium in the presence of ethanol to form 1,2-bis-(hydroxymethyl)-cyclohexane, reacting said 1,2-bis-(hydroxymethyl)-cyclohexane with iodine in the presence of phosphorus to produce 1,2-bis-(iodomethyl)-cyclohexane, and dehydrohalogenating said 1,2-bis-(iodomethyl)-cyclohexane to produce 1,2-dimethylenecyclohexane.

2,601,076
MAGNETIC FLUID MIXTURE CLUTCH
Martin P. Winther, Gates Mills, Ohio, and Anthony Winther, Kenosha, Wis., assignors to Martin P. Winther, as trustee
Application March 28, 1949, Serial No. 83,980
19 Claims. (Cl. 192—21.5)



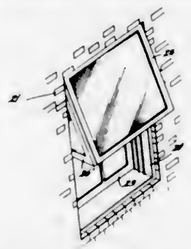
1. An electromagnetic clutch comprising relatively rotary magnetic surfaces which are movable apart to space them, means for inductively magnetizing said surfaces to attract them toward one another, elements forming a chamber which is contractible, said chamber communicating with the space between said surfaces, said means also contracting the chamber substantially simultaneously with attraction between the surfaces, the chamber being expansible in response to separation of the surfaces, and a magnetic flowable mixture carried in said chamber and movable from the chamber to the space, or from the space to the chamber in response to contraction and expansion respectively of the chamber.

2,601,077
DISTILLATION OF LIGHT HYDROCARBONS
Roger Wylie, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 16, 1949, Serial No. 99,388
14 Claims. (Cl. 62—175.5)



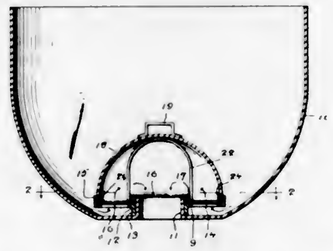
1. In the distillation of a normally gaseous feed mixture of hydrocarbons including normally liquid hydrocarbons comprising at least three hydrocarbons in which the feed mixture is introduced into a distillation zone at a lower point therein and an intermediate boiling hydrocarbon originally present in the feed mixture is separated from lower and higher boiling hydrocarbons including said normally liquid hydrocarbons and in which a normally gaseous fraction is distilled overhead therefrom, the steps of withdrawing a side stream of said intermediate hydrocarbon from said distillation zone at a point substantially above the point of introduction of said feed mixture, admixing at least a portion of said normally gaseous fraction with said feed mixture to form a second mixture consisting of said gaseous fraction and said feed mixture, separating said second mixture into a gaseous phase and a liquid phase, withdrawing said gaseous phase, and distilling said liquid phase to obtain said side stream.

2,601,078
CONVERTIBLE STORM WINDOW AND AWNING
George M. Young, Nashville, Tenn., assignor to Window Supply Co., Nashville, Tenn., a corporation of Tennessee
Application July 12, 1949, Serial No. 104,195
2 Claims. (Cl. 20—57.5)



1. In combination with a window frame, a convertible storm window comprising upper and lower sash frames, the lower sash frame comprising a plurality of separable sectional frames, two of said sectional frames being triangular in shape, each of said triangular frames having means along one edge thereof adapted for interlocking engagement with said upper frame to form an awning having side aprons, said upper frame being hinged along its upper edge to said window frame and having means thereon adapted to cooperate with the interlocking means on said triangular frames to provide a positive connection between said triangular frames and said upper frame, and a slidable member on each of said triangular frames engageable with said window frame to form a rigid connection between said triangular frames and said window frame.

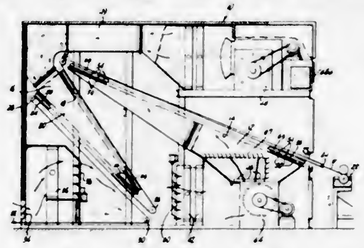
2,601,079
MILK STRAINER
Leonard F. Zernicke, Oshkosh, Wis.
Application February 8, 1949, Serial No. 75,175
2 Claims. (Cl. 210—157)



1. In a milk strainer, an open topped hopper, an upstanding neck in the bottom of the hopper for the egress therethrough of strained milk, a support member, comprising an annular upstanding rim positioned within said hopper and arranged in surrounding relation with respect to said neck, said rim abutting the bottom of said hopper and extending to a point short of the top of said neck, a transverse lip projecting from the top of said rim, a plurality of radially disposed spaced arms projecting from said lip and secured to the latter, an annular flange projecting upwardly from the outer ends of said arms and secured thereto, a filtering pad extending across said neck and supported on the arms of said support member, a cap arranged within said hopper and coacting with the flange on said support member for releasably maintaining said filtering pad on said support member, a handle on said cap for manually moving the latter into and out of coacting relation with said support member, a ring arranged above said support member and embracing the top portion of said neck for maintaining said filtering pad in extended position across said neck, a handle secured to said ring, and interengaging means on said cap and flange for releasably connecting said cap to said support member.

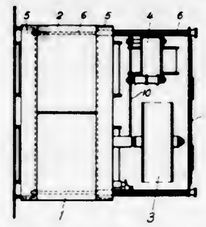
2,601,080
METHOD AND APPARATUS FOR DRYING WARP SHEETS AND THE LIKE
John R. Andrews, Jr., Uxbridge, Mass., assignor to Bachmann Uxbridge Worsted Co., Inc., Uxbridge, Mass., a corporation of Massachusetts
Application October 20, 1949, Serial No. 122,482
7 Claims. (Cl. 34—23)

1. An air distributing header for drying warp sheets and the like having a plurality of substantially parallel air discharge slots including baffle means extending over said slots in the direction of the path of a warp sheet, to modify the flow of air from said slots, and deflector members projecting outwardly from said baffle members over the lateral margins of said air slots respectively to intercept the air from adjacent the lateral margins of the slots and direct it to pass through the lateral margins respectively of



the warp sheet and minimize flow of the air laterally around the edges of the warp sheet.

2,601,081
MECHANICAL ARRANGEMENT OF LIGHTING VARIATORS
Algot Arvidsson, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application March 16, 1949, Serial No. 81,660
In Sweden September 27, 1948
4 Claims. (Cl. 175—298)



1. A lighting variator assembly for a theatre illuminating system, comprising a transductor, dry plate rectifier means connected to said transductor, auxiliary transformer means connected to said rectifier means, and means for covering said dry plate rectifier means and said auxiliary transformer means, said rectifier and transformer means being fixed to the core frame of said transductor, and said covering means being supported by the fixing means of the core frame of the transductor.

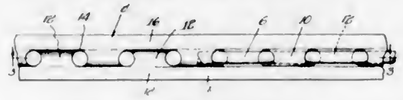
2,601,082
CONCRETE AND SHUTTERING FLOOR STRUCTURE
Herbert William Ashman, Hale, England, assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Application April 25, 1946, Serial No. 664,896
In Great Britain May 14, 1945
2 Claims. (Cl. 72—66)



2. In a joist supported shuttering assembly having a continuous flat undersurface forming a ceiling resting on said joists and having in its upper surface spaced parallel troughs for receiving a cementitious material, the combination comprising a plurality of identical asbestos cement sheets arranged on said joists in serial

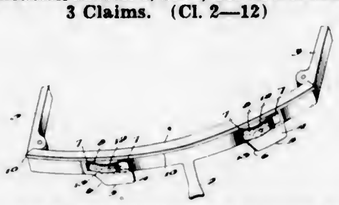
overlapping relation, said sheets having flat coplanar portions disposed edge to edge to form the continuous ceiling, each sheet further having a corrugated portion extending from one edge of that sheet over the flat portion of the next sheet and of substantially equal width therewith, said corrugated portion comprising a flat crested arch and a flat bottom trough contiguous therewith, one wall of said arch extending diagonally upward from the flat portion of the sheet and the other wall of said arch being a common wall for said arch and trough, the bottom of said trough being parallel to the plane of said flat portion and displaced upwardly therefrom by the thickness of said material, and a flange extending horizontally from the free edge of said trough and resting on the flat crest of the arch of the next sheet, said flange terminating at the common wall and provided with a downturned lip engaging said wall thereby forming a flat web between adjacent troughs, the other wall of said arch being spaced substantially equidistant from the confronting walls of adjacent troughs and forming a diagonal reinforcing member underlying and supporting said web intermediate its edges.

2,601,083
FORCE TRANSMISSION APPARATUS
William H. D. Brouse, Toronto, Ontario, Canada, assignor to Teleflex Incorporated, Philadelphia, Pa., a corporation of Delaware
Application May 2, 1950, Serial No. 159,615
5 Claims. (Cl. 74—501)



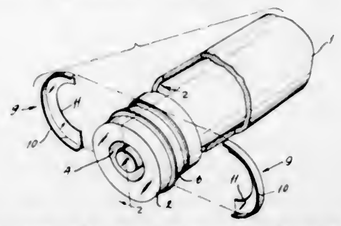
1. A mechanical force transmission apparatus including a flexible elongated force transmission member and flexible elongated conduit means in cooperative guiding and supporting relation with said force transmission member, said conduit means comprising an elongated laterally flexible strip of sheet material having alternate elongated strap sections therein separated by severance of the portions of the strip therebetween and displaced in opposite directions relative to the strip, said displaced strap sections being substantially longer than the longitudinal extent of severance therebetween for supporting the force transmission member over a substantial portion of the length thereof.

2,601,084
EYESHADE
Alexander M. Brown, Plantsville, and Norman M. Earl, Southington, Conn., assignors to Bruce Industries, Plantsville, Conn., a partnership
Application March 6, 1951, Serial No. 214,036
3 Claims. (Cl. 2—12)



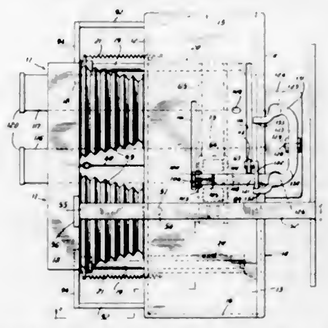
1. An eye shade comprising a member adapted to extend across the forehead of the wearer and means for holding such member in position on the forehead, a pair of pieces of transparent material adapted to exclude a part of the light falling thereon, pins extending from said member on opposite sides of the center thereof, said pieces having horizontal slots engaging said pins so as to guide said pieces for movement longitudinally of the member said pieces extending downwardly below the member, means preventing tilting of said pieces with respect to said member, and resilient members mounted on the said pins and resiliently engaging said pieces for resiliently holding said pieces against movement longitudinally of said member.

2,601,085
SPLIT RETAINING RING ARRANGEMENT FOR PISTON PACKING
Albert Brunner, Jennings, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 4, 1948, Serial No. 47,863
6 Claims. (Cl. 309—33)



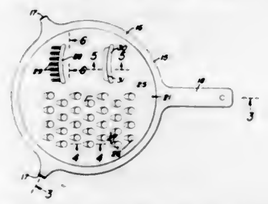
1. A piston for a cylinder comprising a longitudinally extended cylindrical body, a piston associated with said body, a seal for said piston, and a resilient circumferentially segmented ring, each segment having a radial web and an axial flange associated with said seal so that the web is disposed between the rearward portion of the seal and the piston, the flange embracing the rearward portion of the seal so that when pressure is applied to the seal the segmented web moves rapidly outwardly, the flange being forced into engagement with said cylinder by the radial expansion of the seal.

2,601,086
CLOSE-UP STEREO CAMERA
Gustav Bucky, New York, N. Y.
Application June 3, 1950, Serial No. 165,921
13 Claims. (Cl. 95—18)



1. In a stereo camera, the combination of two parallel, spaced objectives movable in the plane of and transversely to their axes, a carrier part for a photographic plate or film movable with respect to said objectives in their axial direction, a drive between said objectives and said carrier part to vary the spacing of said objectives from each other according to changes of the spacing of said carrier part from said objectives, at least one light source substantially in the central plane between said objectives, and spaced from the plane defined by the objective axes, a mirror between said last mentioned plane and said light source and so inclined as to reflect light rays from said light source forward of said objectives, and a means connected to said mirror and said carrier to change the inclination of the mirror in accordance with changes of the spacing of said carrier part from said objectives so as to direct the light rays from said light source on an area in focal relationship with respect to said objectives and the plane of the sensitive surface of a film or plate in said carrier part.

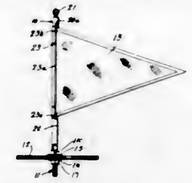
2,601,087
KITCHEN TOOL AND UTENSIL
William L. Buedingen, Rochester, N. Y.
Application August 5, 1949, Serial No. 108,827
4 Claims. (Cl. 146—180)



1. A kitchen tool comprising in combination, a generally ring-shaped holder having a circular groove formed in one face and having spaced downturned prongs about its periphery projecting from its other face and having a laterally extending handle so that it may be held across the top of an open receptacle, a circular plate adapted to be positioned removably in the holder and having a downturned peripheral flange which seats in said groove against one side wall thereof when the plate is positioned in the holder, a pin, and a hole for receiving said pin, the pin being formed integral with one of the two first-named parts within the compass of said groove and flange and the hole being formed in the other part also within the compass of said groove and flange, said plate having a central opening therethrough, a strainer, and means for securing said strainer in the opening.

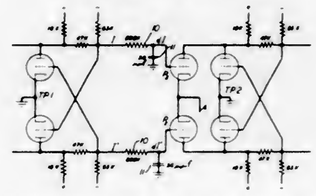
2,601,088
DETACHABLE FLAGSTAFF
Maurice W. Burgess, Joliet, Ill.
Application January 13, 1948, Serial No. 2,110
1 Claim. (Cl. 116—173)

In a pennant carrying flagstaff for detachable securement to a vehicle body, a base member having a smooth cylindrical upper shank portion terminating in a closed upper end and a lower portion for fastening said base member in upright position to the vehicle body, a laterally projecting pin on said shank portion, a tubular staff member having a cylindrical bore in the lower end thereof to receive said shank portion and having a bayonet slot relieved from said bore with a locking recess to receive said pin for locking said staff member and said base member in a detachable assembly, said tubular staff member having an annular shoulder formed at the upper end of said bore, and a tapered coil spring disposed within the bore of said staff member having an oversized upper end turn seated against said



shoulder and tending to uncoil to secure said spring frictionally within said bore, said spring having an inwardly tapered lower end for contact with the closed upper end of said shank portion to place said spring in compression between the shank portion of said base member and the shoulder of said staff member when said members are lockingly assembled.

2,601,,089
SHIFT REGISTER CIRCUIT
William Henry Burkhart, East Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application April 13, 1951, Serial No. 220,846
8 Claims. (Cl. 250—27)

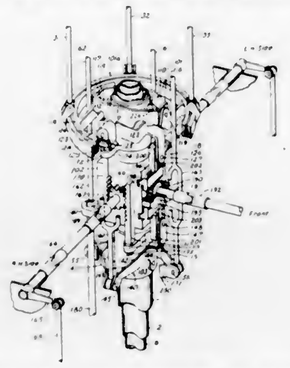


1. In a circuit of the class described, the combination of a plurality of serially connected trigger tube pairs, a puller tube pair for each trigger pair to set and reset the latter, means normally maintaining said pullers cut off but permitting conduction periodically for short intervals, connecting means between each puller pair and the preceding trigger pair to effect conduction of one puller and maintain the cut-off state of the other during said short intervals in accordance with the setting of said preceding trigger pair, and a time constant network in each connecting means to suppress the effect on the pullers of a change in the setting of the said preceding trigger during a said interval.

2,601,090
HELICOPTER CONTROL
Stanley James Burwell, Toronto, Ontario, Canada
Application July 20, 1945, Serial No. 606,128
18 Claims. (Cl. 170—135.24)

1. In propelling apparatus for aircraft a pair of horizontally disposed rotors mounted one above the other, each comprising a plurality of radially disposed blades; co-axial shafts on which the rotors are respectively mounted; said rotors having a transverse hub at the centre thereof and being adapted to be revolved in op-

posite directions on the co-axial shafts for imparting movement to the aircraft; a fixed column; said co-axial shafts rotating inside the fixed column; a swash plate mounted universally on the hub of each rotor, said swash plates having inner and outer portions rotatable with respect to each other, the inner portion rotating



with its rotor; links mounted on opposite sides of each rotor swash plate inner portion and operatively connected to the respective rotor blades; and means mounted on the fixed column and connected to the outer portions of the swash plates to control the inclination and elevation of each swash plate.

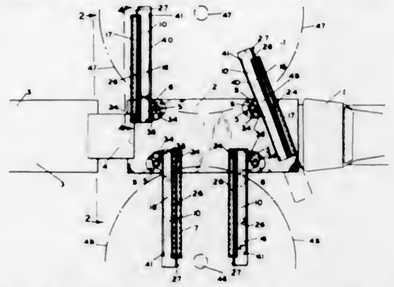
2,601,091
ELASTOMER STOPPER
William F. Butler, Oakland, Thomas P. Stafford, El Cerrito, and Fred A. Cutter, Oakland, Calif., assignors to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application April 16, 1949, Serial No. 87,888
4 Claims. (Cl. 128—272)



1. An elastomer stopper having opposed end faces, said stopper being formed with a valve seat recess in one of its ends and with a hole extending from its other end to said valve seat recess; a valve closure member suspended within said valve seat recess by a thin continuous tear wall circumscribing said closure member and formed continuously integral therewith and with said stopper; and a finger grip formed integral with and extending outwardly from said closure member.

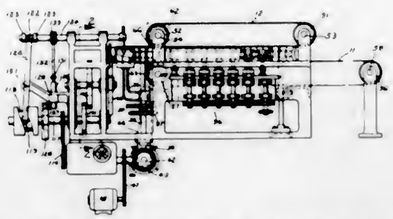
2,601,092
PICKING AND PRUNING ATTACHMENT TO BE MOUNTED ON TRUCKS
Ira D. Cardiff, Yakima, Wash.
Application April 28, 1951, Serial No. 223,497
4 Claims. (Cl. 214—83.1)

1. A mobile fruit picker including a body platform, a standard mounted on the body platform, a rotatable bracket adjustably mounted on the body platform, including a horizontal guideway, a beam slidably mounted on the guideway, a walkway supported on the beam, a shaft mounted on the bracket, means carried by the bracket for operating the shaft, a drum on the shaft, a cable fastened at one end to the beam, thence around the pulley, and fastened at the other end to the



opposite end of the beam, and means on the walkway extending the full length of said walkway to control the operation of the operating means.

2,601,093
METHOD AND APPARATUS FOR PACKAGING A PREDETERMINED WEIGHT OF FOOD MATERIAL
Eben H. Carruthers, Warrenton, Oreg.
Application April 14, 1948, Serial No. 20,894
48 Claims. (Cl. 99—188)



1. A method of packing a substantially constant weight of food material into each of a series of containers which comprises feeding the material toward a container filling position, forming said material into a substantially cylindrical elongated continuous roll, cutting off predetermined lengths of the roll, and transferring a cut-off length directly and in succession to each of the series of containers.

42. A machine for packing a substantially constant weight of material in each of a series of containers comprising, in combination, molding means for molding the material into a desired cross-sectional shape, cut off means for cutting off a length of the material, driving elements for advancing the molding means, driving elements for actuating the cut off means, and means for varying the speed of operation of the driving elements for one of said means with relation to the speed of operation of the driving elements for the other of said means to vary the length of the material cut off.

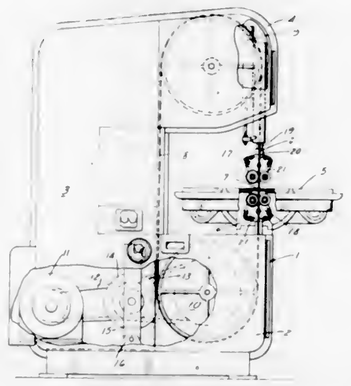
2,601,094
BRACELET CHAIN
Alfred Corbi, Pawtucket, R. I., assignor to Acco Mfg. Co., Inc., a corporation of Rhode Island
Application October 24, 1950, Serial No. 191,797
1 Claim. (Cl. 63—5)

A bracelet chain comprising front links and rear links pivoted at the middle of their length by a common pivot and pivoted at their ends, said front links each having a rear wall to which said pivots are secured, and side walls oppositely indented to provide a plurality of individual gem settings, prongs integral with said side walls projecting from the edge thereof outwardly to provide a seat and then upwardly for securing the gems in said settings, a plurality of gems in said settings, a retraction coil spring having its ends



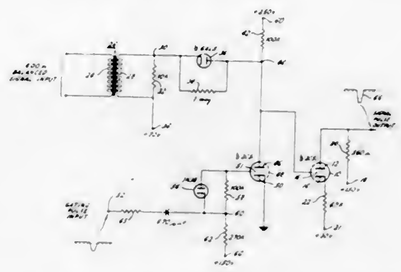
engaging respectively with a front link and a rear link for swinging them relatively in one direction about their common pivot, a finger on each of the side walls of said front links located between two gem settings for engaging and holding one end portion of the spring, and a finger on each of said rear links for engaging and holding the other end portion of the spring, and a cover shell for each of said rear links.

2,601,095
HOLDER FOR BAND-SAW GUIDES
Robert L. Crane, Glen Lake, Minn., assignor to Continental Machines, Inc., Savage, Minn., a corporation of Minnesota
Application May 10, 1950, Serial No. 161,057
3 Claims. (Cl. 143—161)



3. A guide for band saws comprising an anchoring member, means for mounting said anchoring member to a band sawing machine, a turret pivoted at its central portion to said anchoring member, and a plurality of pairs of saw guide elements on said turret in circumferentially-spaced relationship about the pivot axis of the turret, each of said pairs of saw guide elements defining a guide channel having a closed bottom and opening outwardly in a direction generally parallel to the pivot axis of said turret, each of said guide channels being circumferentially spaced from an adjacent guide channel at angles less than 180° apart and disposed to direct a saw blade received therein in a path extending through the axis of said turret and between other of said pairs of saw guide elements.

2,601,096
MODULATOR
Edgar M. Creamer, Jr., Philadelphia, and Wilson P. Boothroyd, Huntingdon Valley, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 29, 1950, Serial No. 203,353
8 Claims. (Cl. 250—27)



1. In a pulse-amplitude-modulation system, a source of intelligence signals, a first normally non-conductive electron discharge tube having an input electrode to which intelligence signals from said source may be continuously applied, a biasing circuit, including a second normally conductive electron discharge tube, connecting the input electrode of said first tube to a point of constant potential, the impedance between such constant potential point and the input electrode of said first tube being predetermined at a relatively low value when said second tube is conductive, a source of negative gating pulses, and means for applying a negative gating pulse from said source to said second tube to render the latter non-conductive and reduce the bias on said first tube, whereby the impedance between the input electrode of said first tube and said constant potential point is raised above said predetermined value.

2,601,097
MASS SPECTROMETER FOR SIMULTANEOUS MULTIPLE GAS DETERMINATIONS
Arthur R. Crawford, Worthington, Ohio
Application July 20, 1949, Serial No. 105,808
2 Claims. (Cl. 250—41.9)



1. In apparatus for analyzing a mixture of gases; a mass spectrometer having an ionization chamber and a gas sample-receiving chamber; a nozzle extending into said sample-receiving chamber and formed with a restricted passage communicating at one end with said ionization chamber and terminating at its opposite end in an outwardly flaring funnel-shaped inlet opening into said sample-receiving chamber; a valve stem arranged in longitudinal alignment with the inlet opening of said nozzle and movable to regulate the rate of flow of gas from said sample-receiving chamber to said ionization chamber; and means for establishing a positive flow of gas to be analyzed through said sample-receiving chamber and in and around said nozzle.

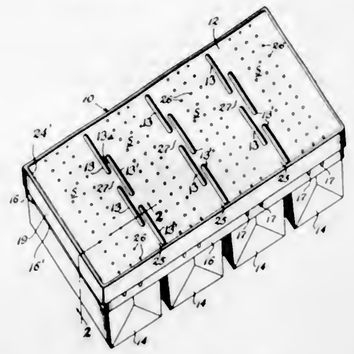
2,601,098
IGNITING DEVICE FOR SMUDGE POTS
Sydney R. Crockett, Freeport, N. Y., assignor to Cyril Charles Crockett, Glendale, Calif.
Application February 20, 1947, Serial No. 729,784
9 Claims. (Cl. 67—3)



4. In an igniting device, a resilient expansible shell, rigid means secured to and preventing a portion of said shell from moving responsive to expansion and contraction of the shell and permitting expansion and contraction movement of the remainder of said shell, a body of liquid substantially filling and tensioning said shell and which reduces in volume responsive to a reduction of ambient temperature, said shell contracting responsive to the reduction in volume of said liquid, a substance which when combined with the liquid released from said shell will produce a flame, means for maintaining said substance in position to combine with the liquid released from said shell, and means for releasing the liquid from said shell responsive to a predetermined movement of said shell.

2,601,099
COVER FOR BAKE PAN UNITS
Jesse L. Darnell, Milford, Ohio, assignor to The Lockwood Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application June 9, 1949, Serial No. 98,083
3 Claims. (Cl. 220—24)

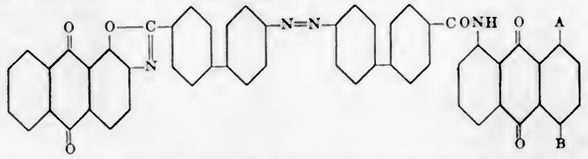
3. A substantially non-warping cover for bread bake pan units having a plurality of pans, said cover having a flat, rectangular panel bounded by a heavy rim, said panel having a plurality of groups of rows of transversely extending slots, said groups being located at uniformly spaced points lengthwise of the panel, the slots in one row of a group being offset with respect to the slots in another row of a group, whereby the panel is capable, without warping, of stretching when cooled from a relatively high to a relatively low temperature, and of being compressed when the panel is heated from a relatively low to a relatively high temperature, the temperature of the rim in each case remaining substantially



constant compared to the temperature of the panel.

2,601,100
VAT DYES OF THE ANTHRAQUINONE OXAZOLE AND ANTHRAQUINONE THIAZOLE SERIES WHICH CONTAIN THE AZOBIPHENYL NUCLEUS
Joseph Deinet, Glassboro, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 26, 1950, Serial No. 164,629
7 Claims. (Cl. 260—157)

3. Compounds of the formula:



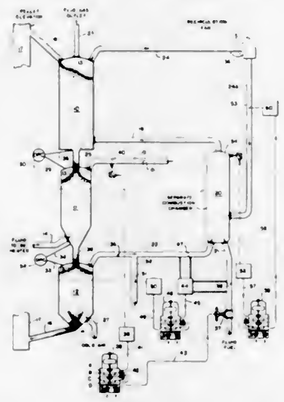
which carry in one of the positions A and B a carboxylic acid group.

2,601,101
HINGE FOR MOLDED BOXES OR OTHER MOLDED ARTICLES
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application December 13, 1945, Serial No. 634,693
12 Claims. (Cl. 16—128)



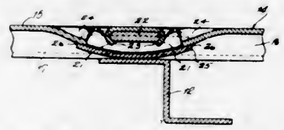
1. In a moldable hinge, a first hinge part, a second hinge part and a hinge pin connecting said parts, one of the parts being swingable about the pin selectively into an open position and into a closed position, a first cylindrical hinge member extending rearwardly from the rear edge of the first part, a second cylindrical hinge member extending rearwardly from the rear edge of the second part when the parts are in the closed position, each of the hinge members being of lesser length than that of the rear edge of the corresponding part and of greater diameter than the thickness of said rear edge, each of the hinge members having a radial slot therein open along one side, the hinge members being longitudinally aligned, the pin being arranged in the slots of said members, the side walls of each of the slots being flat and parallel to each other and spaced apart a uniform distance in each slot, the width of the slot in the first hinge member being less than the width of the slot in the second hinge member whereby when the pin is forced into the slot of the first hinge member, said pin is fixed therein against movement relatively thereto in any direction, the pin fitting rotatably in the slot of the second hinge member, and an overhanging lip on the rear edge of one of the hinge parts, said lip being adjacent the hinge member of that one of the parts on which said lip is provided, said lip having a concave surface adjacent the outer surface of the hinge member of the other of the hinge parts and being of substantially the same diameter as that of said outer surface, said lip projecting rearwardly in said closed position past a vertical plane tangent to the front of the pin.

2,601,102
HEAT EXCHANGER CONTROL
Paul S. Dickey, East Cleveland, Ohio, assignor, by mesne assignments, to The Babcock & Wilcox Company, New York, N. Y., a corporation of New Jersey
Application June 25, 1948, Serial No. 35,175
16 Claims. (Cl. 263—19)



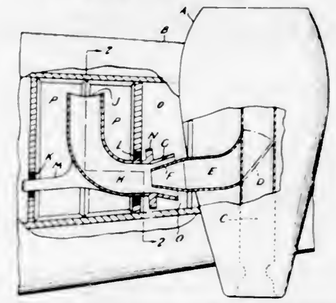
3. The method of operating a fluid heater of the type having three superposed chambers connected by throats with fluent gas-pervious heat transfer material in each of the chambers and in the throats and having provision for substantially continually moving such material by gravity downwardly progressively through the chambers and throats and exteriorly from the lowermost chamber back to the uppermost chamber including, maintaining a supply of heating medium to the upper chamber to heat the material as it passes therethrough, passing a fluid to be heated through the middle chamber in direct contact with the heated material passing therethrough, passing a second fluid to be heated through the lower chamber in direct contact with the heated material passing therethrough, separately supplying the elements of combustion to provide the supply of heating medium mentioned, air as one of the elements of combustion being the second fluid being heated in the lower chamber, controlling the rate of discharge of air from the lower chamber responsive to pressure differential across the throat connecting the middle and lower chambers, and controlling the rate of supply of fuel as the other element of combustion responsive to temperature of the first fluid after it has been heated in the middle chamber.

2,601,103
TIE STRAP ANCHOR
William F. Dietrichson, Garden City, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 11, 1949, Serial No. 75,947
5 Claims. (Cl. 105—369)



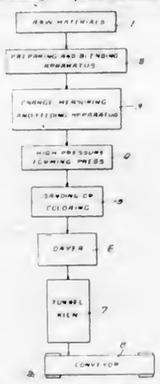
1. An inner wall member for freight cars comprising a sheet of metal formed with a wall surface base, flanges extending from the sides of said base, feet at the ends of said side flanges, and spaced tongues struck outwardly from said wall base and bent toward one another, said tongues and the base wall portion of the member therebetween forming a lading strap anchor.

2,601,104
JET PROPULSION AND CONTROL MEANS THEREFOR
Aubrey Douglas, Saltford, England
Application September 10, 1946, Serial No. 695,839
In Great Britain October 15, 1945
8 Claims. (Cl. 244—12)



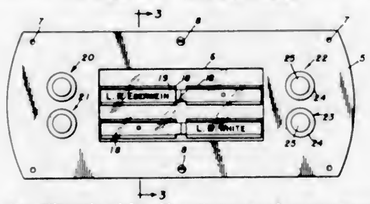
1. Apparatus for controlling the reaction of a propelling jet in a rigid wing aircraft, comprising a jet tube mounted approximately parallel to the line of flight, means for diverting the flow of at least part of the combustion gases from the jet tube to cause them to move in a direction other than normal, a discharge conduit associated with the jet tube adapted for receiving the diverted gases, the discharge outlet of said discharge conduit being selectively movable about an axis in an arc of approximately 180°, in a plane substantially perpendicular to the plane of the wing for directionally controlling the discharge of gases from the conduit to effect, in at least one position of the discharge conduit, a braking reaction on the aircraft.

2,601,105
CERAMIC PRODUCT AND METHOD OF MAKING SAME
Russell P. Dunmire, Cleveland, Ohio
Application August 16, 1949, Serial No. 110,529
6 Claims. (Cl. 25—156)



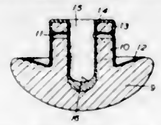
1. The method of making ceramic products by a continuous process, which consists in feeding in succession measured charges of relatively dry raw ceramic material such as clay, shale or the like, containing not more than five percent of moisture, shaping and compressing said charges under at least one and one-half tons per square inch pressure into rigid, self-sustaining articles, advancing said thus formed articles in succession, and subjecting the advancing articles to a drying temperature of approximately 350° F. for approximately one hour's time and to a subsequent firing temperature between 1400° and 2000° F. for approximately three hours' time.

2,601,106
ILLUMINATED DIRECTORY
Leonard R. Eberwein, Topeka, Kans.
Application May 23, 1947, Serial No. 750,104
2 Claims. (Cl. 40—130)



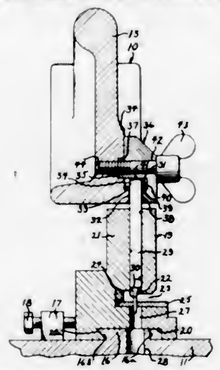
1. An illuminable directory and occupant signaling device for use in apartment houses and the like comprising an illuminable lamp box of general rectangular form embodying a flat forwardly and downwardly slanting rectangular wall provided with a marginal rim, the components of said rim having outstanding attaching flanges, a plurality of name plate clips arranged in predetermined and systematic order and fixedly mounted on the display side of said wall, a source of illumination mounted in said lamp box for coaction with said clips, a transparency functioning as a window for the open side of said box, a flat rectangular plate, said plate being provided with a central sight opening, said plate and transparency being fitted together and fitted against said flanges, fastenings passing through the plate, transparency and flanges, said plate being of a length greater than the length of said transparency and having end portions projecting well beyond the corresponding end portions of said transparency and said end portions being provided with holes to accommodate suitable fastenings for securing the plate to a fixed support, said end portions being further provided with openings adapted to accommodate insertable and removable individual occupant signaling push buttons, said openings being systematically arranged and lined up with predetermined name plate clips, whereby each clip has an aligned opening for accommodation and retention of a complemental push button.

2,601,107
ARTIFICIAL EYE FOR FIGURE TOYS
Richard Evans Ellett, Merton, London, England
Application January 19, 1949, Serial No. 71,620
In Great Britain December 6, 1948
5 Claims. (Cl. 46—165)



1. Eye for toy animals, comprising a single block of light-transmissive material, said block including a head portion having a convex front face and a substantially ring-shaped rear face, a cylindrical stem projecting rearwardly at the center of said head portion, the stem having a diameter equal to the desired iris diameter, a bore in said stem extending inwardly and nearly to said convex front face, with the axis of the bore coinciding with the axis of the stem, the diameter of the bore being equal to the desired pupil diameter, an annular surface between the edge of the bore at the free or rear end of the stem and the edge bounding the stem, coloring material on the rear face of the head portion to simulate the eyeball, coloring material on said annular surface to simulate the iris, and coloring material in said bore to simulate the pupil.

2,601,108
GANG PUNCHING MACHINE
Charles Edward Emmer, Chicago, Ill., assignor to General Binding Corporation, Chicago, Ill., a corporation of Illinois
Application March 9, 1946, Serial No. 653,342
3 Claims. (Cl. 164—90)



1. In a gang punching machine having a die block with punch guide apertures, a plurality

of punches having main body portions slidably disposed in said apertures and having means projecting from said main body portions defining shoulders adjacent operating ends thereof and facing the other ends thereof, a ram mounted out of alignment with said main body portions of said punches and movable parallel to said punches toward and away from said die block, and a strip removably secured to said ram and having a recess therein defining a shoulder, said shoulders of said punches being in the path of movement of said shoulder on said strip and engaging therewith during movement of said ram away from said die block, and said strip having a wall portion facing said operating ends of said punches and operatively engaging therewith during movement of said ram toward said die block, the removal of said strip thereby permitting ready access to said punches for removal and replacement of the same.

2,601,109
METHOD OF PREPARING BLENDS OF HYDROCARBON POLYMERS AND PETROLEUM WAXES
John J. Fish, New York, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 17, 1948, Serial No. 21,751
5 Claims. (Cl. 260—28.5)

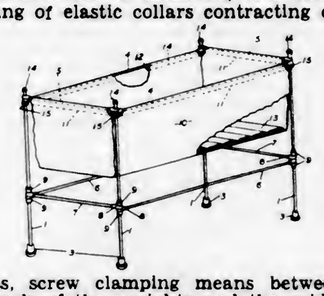
1. A process of preparing stable, homogeneous wax-like compositions which show no separation in the molten state when standing, nor upon cooling, and which are characterized by the property of forming tough, flexible, non-tacky and highly water resistant coatings, which consists of subjecting a polymerized mono olefin and a petroleum wax material consisting of saturated hydrocarbons to treatment with a metallic halide selected from the group consisting of boron trifluoride and the halides of aluminum, iron, and zinc, at temperatures above 200° F. but below the temperature at which cracking of the said petroleum wax material occurs.

2,601,110
PULPING LIGNOCELLULOSE WITH SODIUM ALUMINATE
John Henry Fisher, Quebec, Quebec, and Bruce Ronald Mead, Saint Catharines, Ontario, Canada, assignors to The Ontario Paper Company Limited, Thorold, Ontario, Canada
No Drawing. Application June 14, 1945, Serial No. 599,512
2 Claims. (Cl. 92—9)

1. In the manufacture of pulp from fibrous ligno-cellulose materials, the step which comprises digesting under autogenous pressure the said ligno-cellulose materials with an aqueous solution containing sodium aluminate as the active pulping agent, the said aluminate being initially present in the cooking liquor in a concentration not less than two percent nor more than fifteen percent, at temperatures in the range 185° to 200° C. and a time of not more than 3 hours nor less than 2½ hours.

2,601,111
FOLDABLE COT FOR INFANTS
Alfred Edward Foster, Birmingham, England
Application December 23, 1948, Serial No. 66,940
In Great Britain October 7, 1948
2 Claims. (Cl. 5—98)

1. A cot comprising a rectangular frame including uprights and an upper set and a lower set of longitudinal and lateral members mounted on said uprights, each set of members having sleeved ends slidably engageable with said uprights in superposed order, removable abutments for the lower set of members, said abutments consisting of elastic collars contracting on said

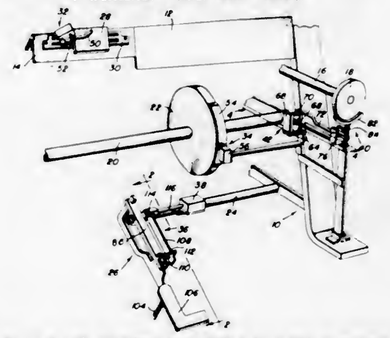


uprights, screw clamping means between the upper ends of the uprights and the said upper set of members for detachably securing the latter to the said uprights and for permitting, when the clamping means is released, of the frame being folded into a parallelogram, and a hammock slung from the upper set of members.

2,601,112
SALINE COMPOSITION
Louis Freedman, Mount Vernon, N. Y., assignor to U. S. Vitamin Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 31, 1950, Serial No. 153,305
15 Claims. (Cl. 99—143)

1. An edible composition comprising a mixture of water-soluble saline tasting salts of potassium and ammonium in a major proportion, and a salt of choline having an acid reaction in a minor proportion.

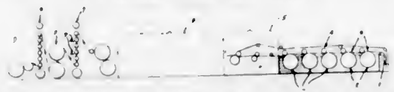
2,601,113
ATTACHMENT FOR BOOK SEWING MACHINES
Arley R. Gilliam, Kingsport, Tenn.
Application May 6, 1948, Serial No. 25,476
7 Claims. (Cl. 112—219)



1. In a book sewing machine having a movable saddle for receiving, positioning and conveying signatures to sewing instrumentalities, a power shaft, a cam shaft for actuating in timed relation said movable saddle and said sewing instrumentalities, an oscillatable control rod for controlling the transmission of power from said power shaft to said cam shaft and an actuating lever operatively connected to said control rod; a safety device for preventing operation of said machine upon improper positioning of a signature on said

movable saddle comprising a normally closed signature switch having a switch lever positioned for actuation to switch opening position by a signature when properly positioned on said movable saddle, a normally open switch operatively connected to one of said shafts for periodic actuation thereby to closed position, a latch mechanism for maintaining said actuating lever in operative connection with said control rod and an electromagnet for moving said latch mechanism into lever disengaging position, a brake engageable with one of said shafts, and a solenoid for applying said brake, and an electric circuit connecting said switches, said electro-magnet and said solenoid for simultaneously releasing the actuating lever and applying the brake when both said switches are closed.

2,601,114
PAPERBOARD PRODUCT AND PROCESS FOR MAKING SAME
Wilbur F. Gillespie, Bogalusa, La., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application January 8, 1949, Serial No. 69,955
6 Claims. (Cl. 154—138)



4. The process of making a composite substantially stable, rigid, high wet strength, solid fiberboard comprising mixing a preponderance of water, with predetermined amounts of cellulosic fibrous material and rosin size to form a slurry, with the rosin size uniformly distributed therein, providing separate sources of the slurry, introducing a water and abrasion resisting resin into one source of the slurry, simultaneously forming and uniting individual outer plies of fibrous material from said one source, and forming and uniting an inner ply from another source containing only the fibrous material and rosin, uniting all of the said plies to form liner sheets, forming a filler sheet from the slurry containing only the fibrous material and rosin, disposing the filler sheet between opposing inner plies of two liner sheets, and permanently joining the said sheets together with a water insoluble adhesive.

2,601,115
STOCKING AND METHOD FOR AFFIXING AN ADHESIVE TRANSFER THERETO
Melvin J. Gordon, Brookline, Mass., assignor to Melvin J. Gordon, Sadye Z. Gordon, and Natalie G. Stone, doing business as Manchester Hosiery Mills, Manchester, N. H.
Application August 15, 1951, Serial No. 241,990
8 Claims. (Cl. 41—34)



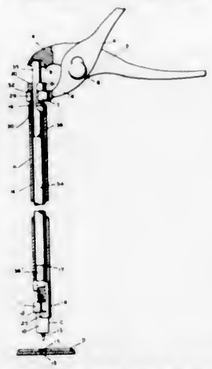
1. In a knitted woman's sheer stocking, a small reinforced area in the stocking above the region normally covered by the shoe and in the normal visible portion when worn by an individual, said reinforced area comprising a selected pattern reinforced with threads additional to the sheer threads of the stocking having a denier of substantially 50 and higher and a permanent insignia transferred thereon consisting of a dye impressed upon the outer surface of the thread within the reinforced area.

2,601,116
SNOW MELTING FURNACE
Stanley J. Gornick, Milwaukee, Wis.
Application August 27, 1948, Serial No. 46,443
4 Claims. (Cl. 126—343.5)



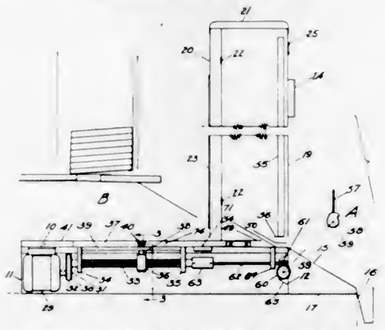
2. A snow melting furnace of the character described comprising, a snow receiving chamber, end plates depending from said chamber, sloping plates joining said end plates and forming alternate passages and snow melting chambers therebetween, means to supply heat to said passages to heat the plates and melt the snow, means connecting adjacent sloping plates adjacent their lower ends to form troughs therebetween to receive melted snow, a water collecting tank beneath said furnace, and pipes connecting the bottoms of the troughs with the water tank to drain water from the melted snow collected in the troughs into said tank.

2,601,117
APPLYING AND REMOVING EXTENSION DEVICE FOR TEMPORARY RIVETS
Frank L. Graham, San Francisco, Calif.
Application May 13, 1949, Serial No. 93,107
2 Claims. (Cl. 29—283)



1. An extension device for applying and removing temporary rivets, comprising a hollow rod having a relatively long tubular body portion, and relatively short first and second reduced end portions, said first end portion being of substantially U-shaped cross section adapted to receive the rivet laterally of the axis of said rod and being provided with resilient arms for embracing relationship with the rivet, and said second reduced end portion of collar-like formation providing an internal annular shoulder facing toward said first end portion, and being provided with an external flange at its free end portion providing a shoulder facing toward said first end portion; and a plunger rod reciprocable in said hollow rod, said plunger rod having a relatively long body portion extending from adjacent said first end portion to adjacent said shoulder of the hollow rod, and a relatively short reduced portion extending through said second reduced end portion of the hollow rod and to a point beyond the free end of said last mentioned end portion.

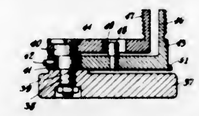
2,601,118
SLICED BREAD DISPENSING MACHINE
George O. Guesmer, Minneapolis, and Harry E. Schulze, Fairmont, Minn.
Application October 27, 1948, Serial No. 56,774
7 Claims. (Cl. 312—67)



3. In a machine of the class described, in combination, a base plate with supporting structure, a vertical magazine positioned at one end of said base plate, said base plate having a slight downward incline from horizontal toward its end for the length occupied by said magazine, said magazine being provided with a door and a slip joint cover engaging said magazine and said door when closed, together with means for releasably engaging edges of said base plate, flanged guides within said magazine to accommodate a lifter near the end of said base plate, said lifter having a lip at the bottom thereof extending inwardly of said magazine, cam means for vertical operation of said lifter, slide means in connection with said base plate arranged to be activated horizontally, said lifter providing clearance with the slice above as said slide means cleaves and pushes out the bottom slice of bread, said slide means in its reverse movement by frictional contact releasing the stack of bread from the lip of the lifter and when fully back positioning another slice in front of said slide means to repeat the operation, said operation being facilitated by said downward incline of said base plate providing increasing clearance, a driving mechanism arranged for relative vertical operation of said lifter and horizontal operation of said slide means of required speed and magnitude, together with controls for repeating the operation.

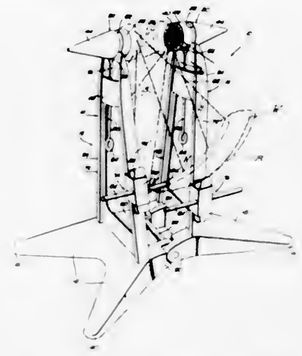
2,601,119
GAUGE HAVING PIVOTED ELEMENTS
Paul W. Johnson, Bloomfield, Conn.
Application September 10, 1945, Serial No. 615,460
10 Claims. (Cl. 33—199)

8. A gage for a test part having a generally circular cross section throughout its length comprising a frame, a pair of arms, cooperating convex gaging means carried by each arm and immovable with respect thereto and having a generally arcuate cross section throughout the length thereof to gage an internal portion of a test part, the convex gaging means corresponding in configuration and dimension with a substantial peripheral portion of a test part to engage a substantial portion of the surface thereof, the center of curvature of the arcuate cross section of gaging means locating the axis thereof, the convexity of each gaging means facing away



from the other, a pair of pivot means carried by the frame upon each of which one arm is pivotally supported for swinging movement of the arm, the axes of the pivot means being parallel with each other and with the axes of the gaging means and hence of the test part, the axes of the pivot means being spaced whereby each of the convex gaging means moves radially towards and away from the other with respect to its pivot means as the arms swing in unison, and at least one gaging means being carried by its respective arm with its axis between the gaging means and the pivot means for its respective arm.

2,601,120
WHEEL TEST STAND
Wendell G. Lyman, Brooklyn, N. Y., assignor to D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y., a corporation
Application September 6, 1947, Serial No. 772,557
3 Claims. (Cl. 33—203.16)



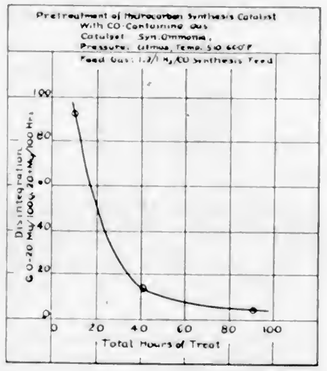
1. A test stand for a wheel having in its hub a journalled axle with threaded ends carrying polygonal nuts, comprising two members movable to and from each other, and opposite bearings carried by said members, respectively, and having conical confronting recesses, respectively, of which the walls are axially corrugated to interlock with peripheral edge portions of said nuts on the adjacent axle ends, respectively, of a wheel between said members.

2,601,121

PRECONDITIONING HYDROCARBON SYNTHESIS CATALYST AND REMOVING FINES THEREFROM

William J. Mattox, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 29, 1948, Serial No. 24,067
6 Claims. (Cl. 252—443)



1. In the method of preconditioning an iron catalyst in powdered form to adapt it for fluidization in a hydrocarbon synthesis process, the steps of subjecting the said powdered iron-type catalyst while maintained in the form of a fluidized bed to the influence of a gas containing H_2 and CO in which the H_2/CO ratio is from about 1–5 mols of H_2 per mol of CO at elevated temperatures within the range of from about 500° F. to 900° F. for an extended period of time whereby a substantial proportion of the iron is converted to iron carbide and the catalyst undergoes at least partial fragmentation to sizes too small to be satisfactorily adapted to fluidization and thereafter separating a portion of the fines and recovering for use in said hydrocarbon synthesis process the portion adaptable to fluidization.

2. The method of preconditioning of claim 1 in which the catalyst originally in the form of an oxide is subjected to a reduction with hydrogen to convert a major portion of the iron oxide to metallic iron prior to the said preconditioning operation.

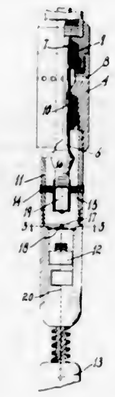
2,601,122

FORMATION TESTER AND PIPE PERFORATOR WITH CONTROL MEANS THEREFOR

Boyd R. McKinley, Long Beach, Calif.

Application March 29, 1947, Serial No. 738,189
4 Claims. (Cl. 166—1)

1. A formation tester and pipe perforator, including an intake sleeve having a hole extending into the same, a sampling tube extending axially through the sleeve and slidable in the sleeve, said tube having an intake port therein, said hole and port being alignable to permit entrance of fluid into the tube, a control head on the upper end of the tester, means threadably coupling the sampling tube to the control head, said means imparting longitudinal movement to the sampling tube on rotation of the sampling tube relative to the control head to align the hole in the intake sleeve with the port in the tube, a pipe depending from the intake sleeve, a pressure recorder mounted in said pipe, valve means in the pipe opening from the exterior of the pipe to said pressure recorder and means on said sampling tool operable on said longitudinal movement of said sampling tube to engage and open said valve means, a pipe perforator attached to



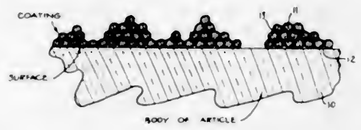
the pipe below said pressure recorder, said pipe perforator being of the gun type, a battery carried by said sampling tube, an electrical contact in said pipe engageable by the battery on said longitudinal movement of the sampling tube, and an electrical conduit connecting said contact and the pipe perforator.

2,601,123

COMPOSITION FOR REDUCING THE REFLECTION OF LIGHT

Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application April 5, 1947, Serial No. 739,544
12 Claims. (Cl. 106—287)



1. A substantially non-gelling composition adapted to reduce reflections of light from the surface of an article treated therewith, said composition consisting essentially of a colloidal suspension of submicroscopic microgranular particles of solid anhydrous transparent inorganic compound substantially uniformly dispersed in a volatile water-miscible liquid inert to the particles, said particles comprising from about 0.1 to about 6.0 per cent by weight of the suspension, and said particles being approximately isometric in shape, less than a quarter wave length of said light in size, and of a discrete nature as opposed to particles of a gel-like nature having matting characteristics on separation from the volatile liquid whereby the particles will pile themselves in mounds on a given surface treated with the composition upon volatilization of the liquid.

2,601,124

SOLUTION FOR REDUCING LIGHT REFLECTION

Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

No Drawing. Application January 18, 1946, Serial No. 642,101, which is a division of application Serial No. 495,906, July 23, 1943. Divided and this application April 8, 1949, Serial No. 86,389
5 Claims. (Cl. 106—287)

3. A solution for reducing the light reflective characteristic of an article treated thereby consisting of approximately 1 to 10 per cent by volume of a silicic acid alkyl ester selected from the group consisting of tetraethylorthosilicate, tetramethylorthosilicate and mixtures thereof, approximately 1 to 10 per cent of a strong mineral acid, and the remainder of the solution consisting of ethylene glycol lower alkyl ether, the alkyl group containing from 1 to 5 carbon atoms.

2,601,125

REINFORCING CLIP

John B. O'Connor, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application February 2, 1949, Serial No. 74,137
1 Claim. (Cl. 129—1)



In combination with sheet material to be reinforced around punched apertures along a marginal edge thereof, the provision of a reinforcing and punching element adapted for embracing application over the marginal edge of the sheet material and comprising a pair of plate members integrally connected by a readily bendable hinge portion exteriorly embracing the marginal edge of the sheet with the plate members extending inwardly therefrom and overlying opposite faces of the interposed sheet, one of said plate members having an aperture therethrough, the other of said plate members having a cylindrical opening defined by an annular flange extending toward the aperture in the other plate member and registering therewith when said plate members are compressed toward one another with the sheet material clamped therebetween for forcing the said annular flange through the registering aperture in the other plate member, whereby to punch and remove the sheet material within the flange and provide an unobstructed aperture therethrough for receiving a binder post or ring, and peripherally disposed projecting means on one of the plate members extending toward the other plate member for penetrating the sheet material therebetween and the said annular flange snugly fitting within the registering aperture to position the said projecting means for frictionally engaging the said other plate member for resisting tendency of the plate members to separate about the hinge portion from clamped position on the interposed sheet material.

2,601,126

UNIVERSAL PHONOGRAPH TONE ARM

Maurice Palo and Alexander L. Dvorsky, Conneaut, Ohio, assignors to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio

Application November 4, 1948, Serial No. 58,302
5 Claims. (Cl. 179—100.41)

1. In sound reproducing apparatus the combination of a horizontally disposed arm mounted at one end for pivotal movement about horizontal and vertical axes; a pickup cartridge comprising a casing, a mechanical-electrical transducer housed in said casing, a pair of divergent record-engaging styli carried by said casing and operatively connected with said transducer; a cartridge carrying member pivotally mounted in



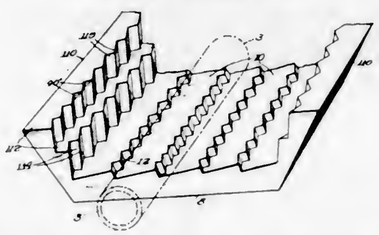
the outer free end of said arm for rotation about the longitudinal axis of said arm, said cartridge being housed within said arm and being detachably secured to said member, and means to move said member about the pivotal axis of its mounting from one limiting position to another and vice versa, whereby a selected stylus of said pair may be moved into record-engaging position.

2,601,127

LIGHT CONTROL MEMBER

Louis Rosenstein, Chicago, Ill.

Application July 2, 1945, Serial No. 602,905
4 Claims. (Cl. 240—7.35)



3. A light transmitting lens comprising a light permeable body one side of which is flat and the other side of which comprises a series of planar parallel surfaces lying in spaced apart planes inclined to said flat side, a series of steps connecting said inclined surfaces, each step comprising a series of flats at substantially 90° to one another and at an angle of the order of 90° to the planar surfaces, the angle of inclination of the planar parallel surfaces with respect to the flat side being in excess of 10° and substantially less than 45°.

2,601,128

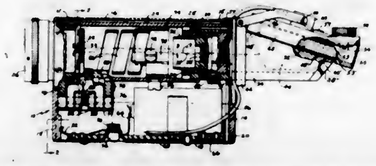
REFRACTOMETER WITH TEMPERATURE COMPENSATING MEANS

Paul Rosenthal, Michael L. Polanyi, and Nathan Gottlieb, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application January 11, 1950, Serial No. 137,964
10 Claims. (Cl. 88—14)

1. A refractometer comprising an elongated generally tubular support, a measuring prism carried in fixed relation to an adjacent one end of said support, an objective lens system within said tubular support and in substantial optical alignment with said prism so as to focus light rays from said prism at a predetermined focal plane for establishing a boundary line of total reflection, a measuring scale for indicating indices of refrac-

tion aligned with said objective and disposed substantially in said focal plane, means carried in fixed relation to said tubular support and supporting said scale for transverse movement relative to the optical axis of said objective and in a direction at an angle to said boundary line, and elongated temperature responsive means within said tubular support and extending in a curved path around said light rays and optical axis and



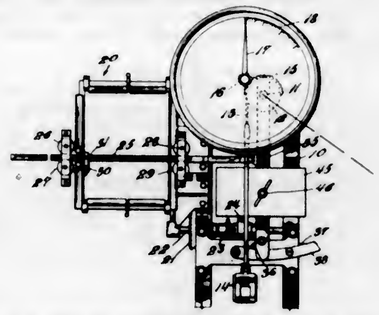
within said tubular support and having a portion adjacent one end thereof operatively secured in fixed relation to said tubular support and a portion near the opposite end thereof arranged in operative relation to said scale supporting means so as to move said scale predetermined amounts relative to the optical axis of said lens system in response to predetermined temperature changes of said refractometer.

2,601,129
PENCIL ATTACHMENT FOR DIALING TELEPHONES
Herbert W. Sams, Atlanta, Ga., assignor to Scripto, Inc., a corporation of Georgia
Application August 4, 1948, Serial No. 42,385
2 Claims. (Cl. 120—84)



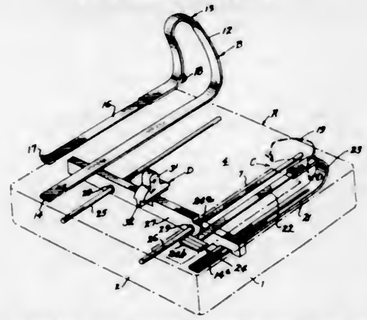
1. A telephone dialing attachment for mechanical pencils of the type comprising a lead feed mechanism housed in a barrel and actuated from an operating ferrule fitted on the top end of the barrel, said attachment comprising an operating ferrule formed with an annular groove adjacent one end, an annular collar rotatably disposed in said groove for engaging the apertures in a telephone dial and dialing the same without operating said ferrule, and a plug member fitted internally in said operating ferrule and projecting from the end adjacent said groove, the projecting portion of said plug member being tapered and partially overlying said annular collar for directing said annular collar into engagement with the telephone dial apertures.

2,601,130
TESTING MACHINE MARKING MEANS
David C. Scott, Providence, and Frank A. Valentine, Apponaug, R. I., assignors to Scott Testers, Inc., a corporation of Rhode Island
Application February 27, 1947, Serial No. 731,357
4 Claims. (Cl. 73—98)



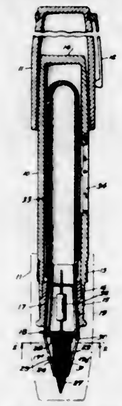
1. In a testing machine, a platen for a recording chart having uniform spacings thereon, guide tracks to direct the movement of said platen, a marking instrument to mark on said chart, a member carrying said instrument, means to direct the movement of said member at right angles to the movement of said platen, a lever movable about a pivot in response to a load applied, said member having a straight slot at right angles to the movement of said instrument, and a pin carried by said lever and entering said slot to move said instrument across said platen in uniform increments in accordance with the load applied.

2,601,131
SHOE FITTING DEVICE
Paul F. Weber, San Francisco, Calif.
Application May 31, 1949, Serial No. 96,167
9 Claims. (Cl. 33—3)



1. A device for visually gauging the length of a shoe comparatively with the length of a foot comprising, positioning means including a shoe supporting platform area to position a shoe and a foot respectively for gauging, a shoe gauging mechanism comprising a first flexibly extensible part spaced above said shoe supporting platform area arranged and constructed for positioning interiorly of said shoe positioned for gauging to move upon actuation lengthwise thereof, a foot gauging mechanism comprising a second flexibly extensible part arranged and constructed to move upon actuation lengthwise of said foot positioned for gauging and in the same direction as said first named part, and means to actuate said first and second flexibly extensible parts correspondingly and in unison.

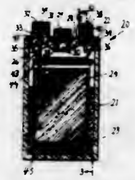
2,601,132
FOUNTAIN BRUSH PEN WITH RECIPROCAL PIN FEED
Wong Gim Woo, San Francisco, Calif.
Application October 2, 1946, Serial No. 700,624
5 Claims. (Cl. 15—136)



4. A device of the character described comprising a barrel closed at one end and having an opening at its opposite end, a writing brush and a feed means mounted in said open end of the barrel, said feed means including a hollow sleeve which has one end mounted in the open end of the barrel and the opposite end of which extends beyond the end of the barrel and is tapered frusto-conically from the central portion of the sleeve towards said extended end, said extended tapered end having openings through its tapered wall, the brush being mounted in said extended tapered end and being provided with a writing tuft extending beyond the end of the sleeve and barrel, an open supporting frame in the end portion of said sleeve within the barrel, said frame being provided at one end with a tubular member having a perforated side wall extending into the brush, the frame having at its opposite end a perforated guide member transversely of the sleeve, a pin reciprocably mounted in the frame and having one end extending into the perforated tubular member of the guide frame and having its opposite end slidable in the perforation of the guide member, a reservoir in the barrel in communication with the inner end of the sleeve for supplying writing fluid to the brush, and a packing gland extending transversely of the sleeve from the perforated tubular member to the maximum diameter of the sleeve and providing a seal between the reservoir and the brush except through said perforated tubular member.

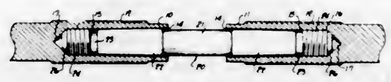
2,601,133
RECHARGEABLE BATTERY
Michel N. Yardeny, New York, N. Y., now by judicial change of name Michel N. Yardney, assignor to Yardney International Corp., New York, N. Y., a corporation of New York
Application December 6, 1949, Serial No. 131,320
4 Claims. (Cl. 136—6)

1. In an electric battery, in combination, a casing having a raised internal portion and a vent in said raised portion, an electrode assembly in said casing, an electrolyte permeating said electrode assembly, a layer of absorbent material extending completely across said casing between said vent and said electrode assembly in at least one dimension of the casing, means including said layer limiting the amount of free electrolyte in said casing to a quantity insufficient to surpass said raised portion, and thereby



to reach said vent, in any position of said casing, and a baffle member loosely positioned between said layer and said vent, said baffle member having a solid portion in line with said vent, said solid portion extending over less than the entire cross section of said casing but overlying substantially all clearance left between said layer and said casing, thereby providing a circuitous passage for gases released from said electrolyte and escaping through said vent.

2,601,134
INTERCHANGEABLE ROLLER NECK FOR TEXTILE FLUTED ROLLS
Albert M. Guillet, Charlotte, N. C.
Application January 10, 1949, Serial No. 70,101
2 Claims. (Cl. 19—141)



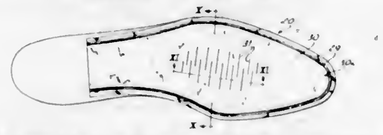
1. The combination of a detachable and interchangeable roller neck and a pair of textile rolls, said rolls having tapered bores in their proximate ends and having cylindrical bores communicating with the smaller innermost ends of the tapered bores, said roller neck having a reduced medially disposed cylindrical journal portion and having tapered portions joined to each end of the journal portion and being of larger diameter than the diameter of the journal portion at their junction points and extending into the tapered bores in the ends of adjoining rolls, the proximate ends of the two rolls having fluted bosses thereon and the tapered bores and cylindrical bores stopping short of the ends of the said fluted bosses which are remote from the proximate ends of the rolls, the cylindrical bores in the rolls being of the same diameter throughout and of substantially the same diameter as the diameter of the smaller ends of the tapered portions of the roller neck and the innermost ends of the cylindrical bores in the rolls being threaded and the roller neck being threaded adjacent each end thereof to threadably engage the threaded cylindrical bores, said rolls having second tapered bores in their proximate ends communicating with said cylindrical bores and the ends of the roller neck each having a mating shoulder portion to fit against the respective second tapered bores in each of said rolls.

2,601,135
FIREARM WITH TIME DELAY FIRING MEANS
Gustaf W. Hammar, Rochester, N. Y., assignor to the United States of America as represented by the Secretary of War
Application November 8, 1948, Serial No. 58,921
4 Claims. (Cl. 42—1)



1. A firearm comprising a support, a barrel secured to said support, a breech plug removably secured to said barrel, a firing pin in said breech plug, a tube mounted on said plug and communicating with said firing pin, a spring-biased striker mounted in said tube for cooperation with said firing pin movable between a cocked position and a fired position, a severable member within said tube for holding said striker in the cocked position, and means in said tube for severing said member after a predetermined variable time interval thereby releasing said striker from the cocked position.

2,601,136
INSOLE AND METHOD OF MAKING SAME
Coleman Hands, Capron, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application June 28, 1949, Serial No. 101,698
3 Claims. (Cl. 36—22)



3. A stitchless insole for a shoe, comprising a blank of substantially uniform thickness transversely thereof, a fabric tape reversely folded intermediately thereof to provide a multi-thickness rib and having a pair of opposed lateral flanges adhesively secured to said blank around the shank and forepart of the blank, a fabric cover adhesively secured to said blank inside the area defined by said tape and overlying the inner flange of the tape and extending over the inner face of said rib to which it is adhesively bonded, said cover terminating substantially flush with the outer edge of said rib, and a facing layer adhesively secured to the opposite face of said blank and extending around the edges of said blank to overlie the outer margin of said tape and the outer face of said rib to which it is adhesively secured, said facing layer terminating substantially flush with the outer edge of said rib.

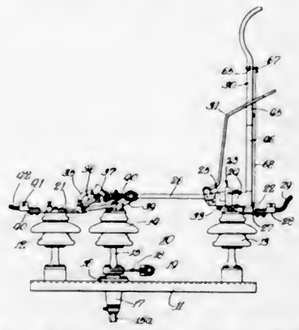
2,601,137
FILTRATION PLANT FLOW CONTROL RESPONSIVE TO DEMAND
Pierre P. E. Hardy, Neuilly-sur-Seine, France, assignor to C. Chabal & Cie (Societe en Commandite par Actions) and Etablissements Neyrpic, Paris, France, both companies of France
Application March 22, 1949, Serial No. 82,814
In France March 26, 1948
10 Claims. (Cl. 210—122.1)

1. A filtration plant adapted to filter an entering water flow through a plurality of connected components at different water levels, comprising a feeding canal for the raw water, a distributing reservoir connected to said feeding canal, at least one filtration stage formed by a series of filtering units arranged in parallel and adapted to receive the water flowing from said distributing reservoir, each filtering unit including a filtering reservoir and means for controlling the water flow passing through said filtering unit according to the downstream requirements of filtered water, said controlling means comprising in combination, for each filtering unit, a water chamber connected to the downstream end of said filtering reservoir of the unit, a valve, means actuated by the head of the water in said chamber for operating said valve to allow the passage of a greater flow from said filtering reservoir to said chamber when the level therein has a tendency to lower and conversely to reduce the flow when said chamber level has a tendency



to rise, so as to maintain a predetermined level in said water chamber, and means defining a fixed orifice in the outlet of said chamber and adapted to deliver the water flowing from said filtering unit under a head regulated by the predetermined level in said water chamber, and for all the filtering units of the same stage a common collector adapted to receive through said fixed orifices of the stage the water flowing from said filtering reservoirs, said fixed orifices having such a section as to cause a predetermined loss of head which is the same for all the orifices of the same filtering stage when each filtering unit delivers its maximum flow, whereby said entering flow is automatically adjusted to the requirements of filtered water and distributed between said filtering reservoirs in such a manner that any of said filtering reservoirs of a given stage allow to pass in practice always the same proportion of said entering flow whatever be its relative degree of choking.

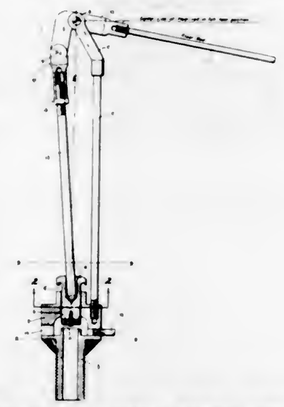
2,601,138
HIGH-VOLTAGE SWITCH
Lester C. Hart, Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1949, Serial No. 81,048
11 Claims. (Cl. 200—146)



1. In an isolating switch, the combination of a pair of relatively movable current carrying

contacts, cooperating arcing horns associated with said contacts and separable subsequent to separation of said current carrying contacts, one of said arcing horns being slidable along the outside of the other arcing horn and in electrical contact therewith, an arc interrupting device disposed within one of said arcing horns including relatively separable arcing contacts, means responsive to relative separation of said current carrying contacts for causing current flowing through said current carrying contacts to be transferred to a path including said arcing contacts, and means for causing relative separation of said arcing contacts prior to disengagement of said arcing horns.

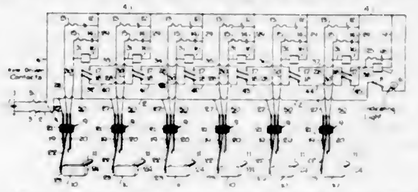
2,601,139
BALL COCK
Edmund W. Hill, Belgrade Lakes, Maine
Application January 25, 1949, Serial No. 72,633
5 Claims. (Cl. 137—445)



2. A ball cock for use in water closets comprising a valve fitting having a water inlet and a valve seat surrounding said inlet, a valve plunger slidable in said fitting in to and out of closing relation to said seat, and means for operating said plunger comprising a float operated lever, a rod mounted on said valve fitting and having a fulcrum piece at its end opposite said fitting supporting the fulcrum for said lever, an operating rod for said plunger, said plunger having a conical socket in its upper end, a yoke pivoted to said lever and having a conical socket in its end adjacent to said rod, said rod having its opposite ends tapered and positioned in said respective sockets.

2,601,140
WHEEL SLIDE INDICATING APPARATUS
Claude M. Hines, Verona, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application January 25, 1950, Serial No. 140,451
7 Claims. (Cl. 177—311)

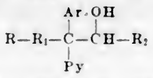
1. Apparatus for indicating a change of speed of rotation of any one of a plurality of rotatable elements relative to another, said apparatus comprising a source of electric current, a signal device an electro-responsive device for controlling the operation of said signal device, a plurality of electro-responsive means, one for each of said rotatable elements, operative cooperatively, in one position to effect energization of said electro-responsive device when the said rotatable elements are rotating at the same speeds, and operative cooperatively in a second position to effect energization of said electro-responsive device when there is a simultaneous cessation of rotation of the said rotatable elements, and operative individually in said one position to effect deenergization of said electro-responsive device when there is a cessation of rotation of any of the said rotatable elements relative to another, and operative individually in said second position



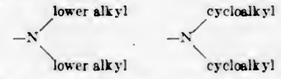
to effect deenergization of said electro-responsive device when there is rotation of any one of said rotatable elements relative to another after the other of said rotatable elements have ceased rotation, and a plurality of means, one for each of said rotatable element, each being responsive to a change in speed of rotation of the respective corresponding rotatable element relative to another to effect operation of the corresponding electro-responsive means.

2,601,141
AMINO-ARYL-PYRIDYL-ALKANOLS AND THEIR ESTERS
Karl Hoffmann, Binningen, and Eugen Tagmann, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application August 22, 1950, Serial No. 180,896. In Switzerland September 9, 1949
8 Claims. (Cl. 260—296)

1. A member selected from the group consisting of the esters of lower fatty acids of the amino-aryl-pyridyl-alkanols of the formula

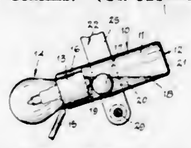


and the acid addition salts thereof, wherein R stands for a member selected from the group consisting of the



groups, R_1 stands for a lower alkylene group, Ar represents an aryl radical, Py stands for a pyridine radical, and R_2 represents a lower alkyl group.

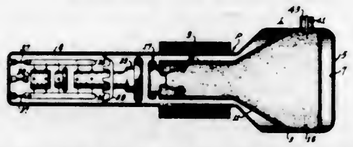
2,601,142
ELECTRIC SWITCH
William J. Hubbard, Toledo, Ohio
Application September 12, 1947, Serial No. 773,720
2 Claims. (Cl. 315—32)



1. An expendable switch unit comprising a metal cylinder, a plate permanently closing one

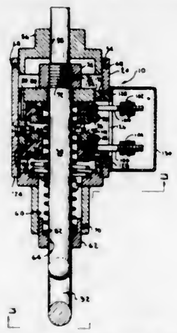
end of said cylinder, an incandescent lamp having a base extending into and substantially closing the opposite end of the cylinder and a contact on said base, a substantially solvent-free sealing material comprising a partially polymerized olefin sulphide resin and a thermosetting phenol formaldehyde resin mixed with a catalyst in the space between said base and said cylinder impermeably sealing the interior of the cylinder cementing said cylinder and said lamp together into an integral unitary structure and insulating said base from said cylinder, a single metal ball within said cylinder free to move in continuous contact with the wall thereof, and a supply of high flash point low flow point lubricating oil also within said cylinder in sufficient volume to cover the points of contact of said ball with said wall and said contact on the base of said lamp but freely movable with the ball.

2,601,143
SECOND ANODE FOCUSING ELECTRODE
Richard H. Hughes, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1949, Serial No. 96,017
16 Claims. (Cl. 313—83)



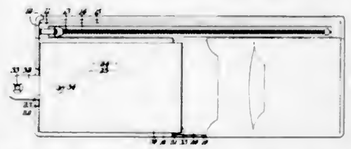
1. A focusing electrode for the final anode of a kinescope comprising a unitary metallic structure including an annular rim-portion formed on one side as an element of an electrostatic lens, a diaphragm portion having a relatively small orifice at the center thereof, a plurality of relatively compliant conductive supporting members each attached at one of its ends to the opposite side of the focusing electrode, and a glass bead at the other end of each supporting member for attachment of the electrode to a portion of the envelope of the kinescope by fusing the bead thereto.

2,601,144
LOAD-CARRYING SAFETY SWITCH
John W. Hunt, Pontiac, Mich., assignor of one-half to Walter P. Barrett, Pontiac, Mich.
Application June 22, 1948, Serial No. 34,462
10 Claims. (Cl. 254—173)



1. In a load-supporting hoist control switch adapted for supporting attachment with the fixed end of a hoist cable and for stopping the downward hoisting action of the hoist motor when tension in said cable falls below a predetermined minimum, the combination of a load-supporting housing, a load-supporting shaft operatively supported within said housing for limited axial movement and having a cable attachment end adapted for attachment with the fixed end of said cable in coaxial alignment therewith, resilient means for urging said shaft in the axial direction away from said cable attachment end to a rest position, a pair of axially spaced electrical terminals in an electrical circuit adapted to stop the downward hoisting action of said hoist motor upon separation of said two terminals, one of said terminals being yieldably mounted on said housing, the second of said terminals being carried by said shaft for axial movement therewith and for electrically contacting said first terminal upon axial movement of said shaft a predetermined distance from said rest position in the direction toward said cable attachment end.

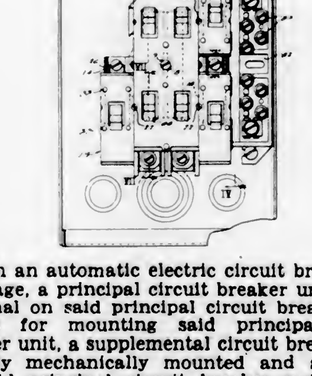
2,601,145
WALLET
Herman R. Hutchinson, Jenkintown, Pa., assignor to C. F. Rumpp & Sons, Philadelphia, Pa., a corporation of Pennsylvania
Application September 29, 1950, Serial No. 187,535
1 Claim. (Cl. 150—38)



A wallet having back and front cover pieces, said front cover piece having an open portion at one end, part of said front cover piece comprising an integral flap thereon, a backing sheet forming a pocket aligned with said flap, said flap being movable away from said front cover piece to open said pocket, and a foldable case attachment having front and back wall portions, said back wall portion being disposed behind the front cover piece and having a tab extending through the open portion at the end thereof, and said front wall portion being disposed in front of said front cover piece and carrying a snap fastener adapted to be fastened to said tab to thereby secure the foldable case in position while covering said flap and bearing upon said flap to maintain it in closed position.

2,601,146
MEANS FOR REDUCING HEAT TRANSFER ALONG SHAFTS
Victor Ivanoff, Bedford, England, assignor to Hayward Tyler & Co. Limited, Luton, England, a British company
Application December 16, 1947, Serial No. 792,105
In Great Britain January 29, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 29, 1966
3 Claims. (Cl. 103—111)

1. An apparatus comprising a shaft along which heat tends to be transferred, said shaft being hollow over at least a portion of its length, a body of liquid in the hollow interior of said shaft, and a plurality of individual transverse baffles spaced along said shaft in the hollow interior thereof with their circumferential edges close to the inner periphery of said shaft so as to reduce heat transfer by thermal convection longitudinally of said shaft.

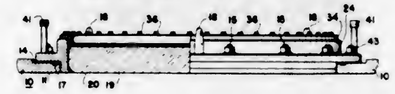


2. A pump comprising a pump casing having a liquid inlet and an outlet communicating with the interior thereof, a rotary shaft extending into said pump casing, a rotary impeller mounted on said shaft in said pump casing, said shaft being hollow over at least a portion of its length, and having a small hole extended through the wall thereof for establishing communication between the hollow interior of said shaft and the inside of said casing, the hollow interior of said shaft being adapted to contain a body of the same liquid which is being pumped for impeding the transfer of heat from said impeller along said shaft, and said small hole constituting a breathing hole to enable the liquid to pass between the inside of said casing and the hollow interior of said shaft.

2,601,147
CIRCUIT BREAKER
John G. Jackson, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application October 16, 1944, Serial No. 558,822
8 Claims. (Cl. 175—308)

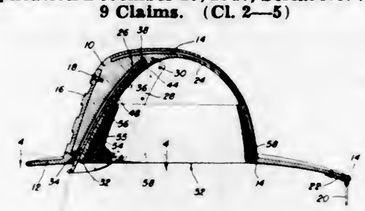
1. In an automatic electric circuit breaker assemblage, a principal circuit breaker unit, a line terminal on said principal circuit breaker unit, means for mounting said principal circuit breaker unit, a supplemental circuit breaker unit directly mechanically mounted and supported on said principal circuit breaker unit, a line terminal on said supplemental circuit breaker unit, and means for interconnecting said line terminals on said principal and supplemental units, said interconnecting means comprising complementary U-shaped terminals on said principal and supplemental circuit breaker units which slidably engage under pressure to effect the electrical connection.

2,601,148
WIND TUNNEL WINDOW STRUCTURE
James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania
Application October 30, 1947, Serial No. 783,158
14 Claims. (Cl. 20—40)



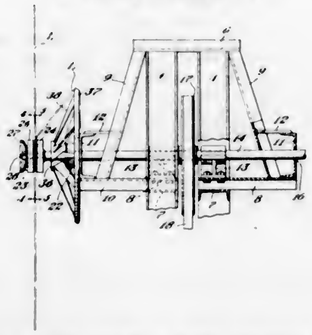
1. The combination with a wind tunnel wall provided with an opening and a flat smooth inner surface surrounding such opening, of means for closing such opening; such means comprising a relatively thick glass having its inner and outer faces located in parallel planes and a frame surrounding such glass and to which the same is secured; such frame having a glass surrounding portion adapted to project into such wall opening beyond the inner surface of such tunnel wall and having its tunnel-side face flat and located in the same plane as the inner or tunnel-side face of such glass, means for adjusting such frame to bring the tunnel-side face of that portion thereof projecting into such wall opening into the plane of the inner face of the tunnel wall immediately surrounding such opening, and means for removably securing such frame in adjusted position.

2,601,149
FIRE HELMET HAVING RETRACTABLE TRANSPARENT VISOR
Roger E. Jamison, Jr., Washington, D. C.
Application December 19, 1947, Serial No. 792,689
9 Claims. (Cl. 2—5)



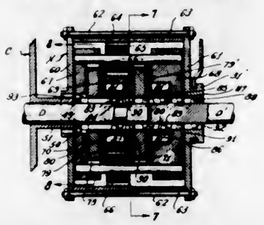
1. A protective helmet including a crown having a front wall portion, said front wall portion having a chamber therein closed from the interior of the crown and opening through the lower edge of said front wall portion, said chamber being curved both horizontally and vertically of the front wall portion, said chamber having a forward and a rear wall, a transparent visor slidably mounted upon said helmet and retractible into said chamber, fastening means within said chamber on said rear wall at the upper end thereof and engaged with the visor in the retracted position of the visor to retain the latter retracted in the chamber and normally released from the visor in other than the retracted position of the visor.

2,601,150
APPARATUS FOR DRYING LEATHER AND OTHER SHEET MATERIAL
George H. Jennings, Cincinnati, Ohio, assignor to Howes Leather Company, Inc., Boston, Mass., a corporation of Delaware
Application October 18, 1950, Serial No. 190,698
6 Claims. (Cl. 34—58)



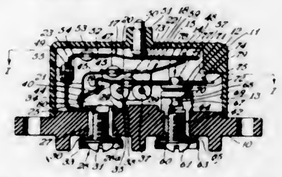
1. For drying pieces of sheet material, apparatus comprising a shaft, means for rotatably supporting the shaft, a clamp for holding a piece of sheet material on the shaft between two faces which are approximately perpendicular to the axis of the shaft, and a ring mounted concentrically on the shaft adjacent to the clamp, the diameter of the ring being substantially greater than that of the clamp but less than that of said pieces so that a piece of material clamped between said faces may be draped over said ring and then, when the shaft is rotated, caused to extend out by centrifugal force in a plane perpendicular to the shaft without danger of the material becoming entangled, said ring being offset from said plane lengthwise of the shaft so that there is a substantial space between the sheet material and the ring when the sheet is extended by centrifugal force.

2,601,151
POWER TRANSMISSION MECHANISM
Rex E. Keller, Beverly Hills, Calif.
Application June 7, 1948, Serial No. 31,532
18 Claims. (Cl. 74—752)



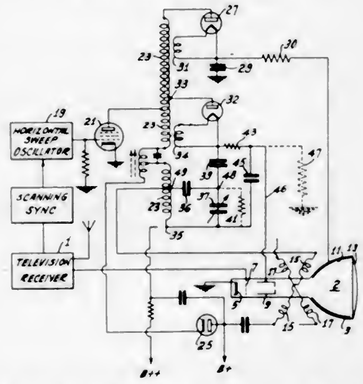
1. A power transmission mechanism comprising: coaxial driving and driven shafts, a stationary case and a gear changing unit including a housing, a single planetary gear set within the housing embodying sun, planet, and orbit gears, and a planet gear carrier, and means associated with said planetary set and said shafts and arranged for selective interconnection in response to the relative shifting of the planetary elements and the elements on said shafts and on said case, for varying the torque applied to the driven shaft, and a centrifugal clutch operatively connecting the sun gear and carrier of the planetary gear set upon the attainment of synchronization between the driving and driven elements of said clutch.

2,601,152
SNAP SWITCH
Leo J. Kmiecik, Chicago, Ill., assignor to McDonnell & Miller, Inc., Chicago, Ill., a corporation of Delaware
Application April 11, 1949, Serial No. 86,773
1 Claim. (Cl. 200—67)



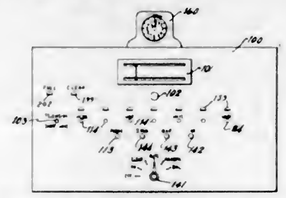
In a snap switch or like device, a first member pivoted on an axis adjacent one end thereof, a movable switch contact carried by said first member adjacent the other end thereof, a stationary switch contact engageable with said first switch contact, a second member in substantially spaced superposed relationship to said first member in open and closed positions of said switch, said second member being pivoted about an axis laterally spaced from and intermediate the pivotal axis of said first member and said switch contacts, over-center spring means between said one end of said first member and the adjacent end of said second member, and actuating means engageable with said second member adjacent the other end thereof to displace said over-center spring means with respect to said adjacent ends of said members to effect actuation of said switch.

2,601,153
HIGH-VOLTAGE SUPPLY
Mark B. Knight, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 19, 1951, Serial No. 211,636
6 Claims. (Cl. 315—31)



4. A high voltage power supply for an electrostatically focused cathode ray tube comprising a focusing electrode, said high voltage power supply comprising a transformer having different connecting points thereon, a rectifier having an anode and a cathode, means connecting the anode of said rectifier to a first connecting point on said transformer, a capacitance voltage divider comprising two capacitors each having first and second terminals, means connecting the first terminal of one of said capacitors to a second connecting point on said transformer, means connecting the first terminal of the other of said capacitors to a third connecting point on said transformer, a common connection between the second terminals of said two capacitors and the cathode of said rectifier, and means connecting the cathode of said rectifier to the focusing electrode of said cathode ray tube.

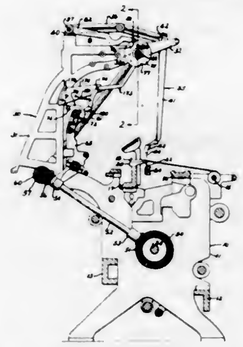
2,601,154
MEMORY DEVICE
Alfred M. Krueger, Brooklyn, N. Y., and Rolf H. Peterson, Bergenfield, N. J., assignors to Peterson & Krueger, Inc., New York, N. Y., a corporation of New York
Application January 24, 1948, Serial No. 4,104
28 Claims. (Cl. 161—1)



1. A memory device comprising a rotary member carrying recording portions, a group of input elements arranged for selectively making a row of recorded signals and thereafter selectively making other rows thereof, a group of take-off elements arranged to be operated in accordance with the records on said rows, one of said groups being stationary and the other being rotatable with respect to the stationary group and with respect to said rotary member, an indexing means adapted to control the relative movement of the rotatable member and the rotatable group, an indexing means adapted to control relative movement of the rotatable member and the stationary group, and electromechanical operating means therefor, said indexing means being independently and simultaneously operated, and said input and output elements being independently and simultaneously operated.

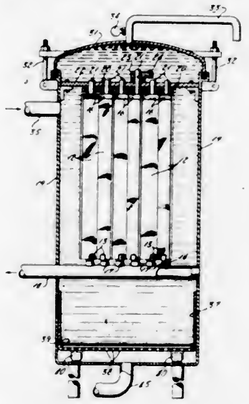
2,601,155
STOP-MOTION FOR FULL FASHIONED KNITTING MACHINES
Basil H. Lane, Greeneville, Tenn., assignor of one-third to Robert Fulton Morgan and one-third to James Hosiery Mills, a corporation of Tennessee, both of Greeneville, Tenn.
Application January 18, 1951, Serial No. 206,614
10 Claims. (Cl. 66—157)

1. An improvement in a full-fashioned hosiery knitting machine having vertically reciprocable needles and also having a welt turner attachment provided with a plurality of welt hooks adapted to cooperate with said needles in effecting a welt turning operation, said machine also having a welt turner cam shaft for controlling movement of the welt turner into and out engagement with the needles and also having a locking cam fixed on the welt turner cam shaft provided with a pair of diametrically opposed notches therein and also having a pivoted locking arm provided with a roller on the free end thereof adapted to ride in engagement with the upper surface of said locking cam, said locking cam being so positioned as to cause the roller on said arm to successively drop into either of the notches thereon upon movement of the welt turner attachment into and out of operative position relative to the needles in



proper timed relation, said improvement comprising means automatically operable upon failure of the roller on the locking arm moving into the corresponding notch in the locking disk in proper timed relation to movement of the needles for stopping the machine.

2,601,156
FILTER MECHANISM
Martin Lax, Bronx, N. Y.
Application April 20, 1948, Serial No. 22,135
12 Claims. (Cl. 210—182)



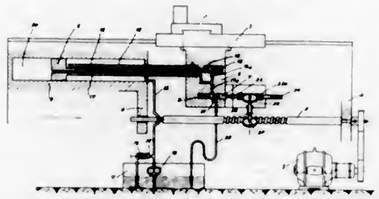
1. Filter mechanism comprising a casing, a connection for the admission to the casing of the liquid to be filtered, a plurality of individually pivoted filter members with substantially flat side faces mounted in the casing, means whereby the individual filter members are rocked about their individual axes until each filter is stopped by jarring contact with an adjacent part, such rocking motion causing adjacent filter members to converge at one side of their axes and to diverge at the other side of said axes, and a connection for the withdrawal of filtered liquid from the filter members.

2,601,157

DEVICE FOR IMPARTING CONTROLLED DISPLACEMENTS TO MACHINE-TOOL MEMBERS

Armand Marcel Le Lan, Paris, France, assignor to Compagnie Generale de Construction de Locomotives (Batignolles-Chatillon), Paris, France, a corporation of France

Application April 10, 1951, Serial No. 220,227
In France February 12, 1951
11 Claims. (Cl. 60—52)



1. In a machine comprising a frame member and a member movable relatively thereto, a lead-screw journalled in the frame member parallel to the displacements of the movable member and means for rotating said lead-screw, a hydraulic cylinder in the frame and a piston rigid with the movable member and slidable in the cylinder and defining therein opposite chambers, the effective piston area being smaller in one chamber than in the other, a hydraulic fluid supply, delivery connections from the supply to each cylinder chamber and a pump adapted to constantly feed fluid from the supply through the delivery connections to both chambers, a valve chamber in one of said members and a drain connection from a first one of said cylinder chambers to the valve chamber and thence to the supply, a valve member reciprocable in said valve chamber in directions parallel to said displacements and controlling said drain connection, a feeler integral with the valve member, reacting means movable with the movable member and reacting against the threads of the lead-screw and providing together with the lead-screw a pair of cooperating elements of which the reacting element is associated with the movable member and the lead-screw element is associated with the frame member, that one of said elements which is associated with the said one member being mounted for slight yielding displacements relatively to said one member parallel to said common direction, and means urging the feeler into axial contact engagement with said one element, an increasing reaction thrust against said one element causing said one element to be slightly yieldingly displaced in the direction which causes the feeler and the valve member to be moved in the direction controlling the drain connection to increase the relative pressure in that one of said cylinder chambers in which a pressure increase will be effective to overcome such increased reaction.

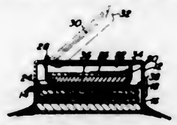
2,601,158

WRIST WATCH COMPACT

John V. MacGillivary, El Monte, Calif., assignor of ten per cent to Anna R. King, Hollywood, Calif.

Application March 24, 1950, Serial No. 151,757
2 Claims. (Cl. 132—83)

1. For use as a wrist accessory and constituting a compact and wrist watch ensemble; a multi-purpose utility comprising an open top container section embodying a bottom and an upstanding wall circumscribing said bottom, spaced parallel reinforcing partitions in said container section and secured to said bottom and cooperating portions of said upstanding wall, the upper edges of said partitions terminating on planes spaced below the upper edges of said upstanding wall, and a casing section corresponding in size to said container section and hinged to the latter, said casing section lidding over said open top and providing a cover for said open top, said casing section embodying a centrally apertured top wall



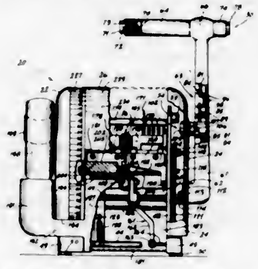
and laterally depending marginal walls, a depressed wall member recessed through the central aperture and having its wall portions spaced from said marginal walls and providing a well-shaped rouge receiver, a mirror secured in part to said recessed wall and also secured in part directly to said marginal walls, said mirror lidding over said open top and being spaced from said partitions, means separably fastening said casing section to said container section, and a lid fitted into said central aperture and closing said receiver, said lid being a watch and being hingedly latched on said casing section.

2,601,159

DISPENSING MACHINE

Walton C. Marsh, Belleville, Ill., assignor to Marsh Stencil Machine Company, Belleville, Ill., a corporation of Illinois

Application April 15, 1946, Serial No. 662,338
9 Claims. (Cl. 271—2.4)



1. In a tape dispensing machine, in combination, a frame, a tape-roll support, means for feeding tape, a reciprocating lever of channel cross section having a forward feeding movement and an opposite return movement between feeding and return limits, one or more stop elements in the path of the lever intermediate said limits, a stop-engageable member movably mounted on the lever and cooperable with said intermediate stop element or elements, and means carried by the lever for rendering said stop-engageable member inoperative at the will of the operator including a bevelled head member disposed within the lever for reciprocation, a pair of plungers operatively associated with said bevelled head member for moving the same, a push button secured to each plunger and biased with its plunger towards rest position but adapted to be selectively pushed for rendering said stop-engageable member inoperative, whereby to feed different predetermined lengths of the tape material selectively.

2,601,160

WEEDLESS FISHHOOK

Paul Mattieson, Dearborn, Mich.

Application March 2, 1950, Serial No. 147,250
2 Claims. (Cl. 43—44.8)



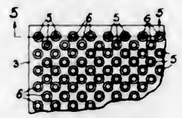
1. A fishing lure comprising a hook having a curved bill terminating in a point, a shank extending from the curved bill and terminating in an eyelet, the portion of the shank between the eyelet and the bill being curved outwardly to define a recess between the eyelet and the bill, a resilient member secured to the shank adjacent to the eyelet and mounted on the bill adjacent to the shank and curved so as to define a recess diametrically opposite the recess of the shank, the combined recesses being adapted to clamp an artificial bait and hold the same between the eyelet and the bill, the resilient member being spaced a substantial distance from the point of the hook, and a bifurcated weed guard secured at the eyelet and extending at an acute angle to the shank in a direction to space the same outwardly from the point of the hook at opposite sides thereof laterally and sufficiently spaced from the recessed portion of the resilient member, whereby a fish attempting to bite the bait will force the guard a sufficient distance below the point of the hook to permit the point to penetrate into the flesh of the fish.

2,601,161

MEDIUM FOR USE IN MAKING CAMERA COPY AND METHOD OF PREPARING THE SAME

Maurice D. McIntosh, Cleveland Heights, Ohio, assignor to Louis S. Sanders, Shaker Heights, Ohio

Application August 19, 1948, Serial No. 45,058
4 Claims. (Cl. 41—41)



1. In a method of preparing a medium for use in making camera copy, the steps which consist in applying to a non-moisture-proof surface, a solution containing at least two ingredients, one of which remains superficially on said surface as a chemically-developable pattern comprising uniformly spaced dots, and the other of which impregnates said surface and spreads uniformly in all directions to form a second pattern comprising spaced dots larger than said first-named dots and in registration with said first-named dots, the ingredient forming the first-named dots being mercurous chloride, and the ingredient forming the larger dots being cobaltous chloride.

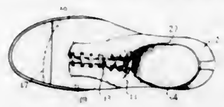
2,601,162

SAFETY SHOE

Edward F. McLaughlin, Philadelphia, Pa.

Application April 25, 1947, Serial No. 743,780
1 Claim. (Cl. 36—77)

In a safety shoe, as a concealed inclusive part of its upper, a rigid, dome-like, metal box toe formed to the desired toe shape, such box toe being entirely disposed in advance of the lateral flexing zone of the upper and the break line of the sole and having a transversely arched rear edge continuously and asymmetrically curving toward the toe end of the shoe, the corner portion of the box toe wall located at the outside of the shoe extending rearwardly of the toe end of the shoe farther than the corner portion located at



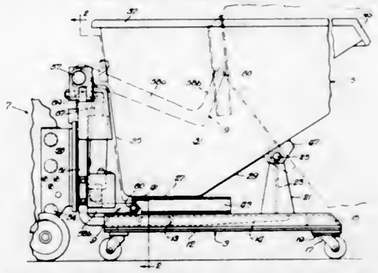
the inside of the shoe, and the curved rear edge of the box toe overlying the toes of a normal foot within the shoe and being generally parallel to but in advance of the transverse curved line defined by the metatarso-phalangeal joints of said foot, thus providing for maximum dimension of the metal box toe itself without limiting comfortable flexing of the shoe in wear.

2,601,163

DUMPING DEVICE

Roland E. Miller, Freeport, Ill., assignor to Kraft Foods Company, Chicago, Ill., a corporation of Delaware

Application August 31, 1950, Serial No. 182,600
5 Claims. (Cl. 214—64)



1. An improved dumping device comprising a dolly, a hopper pivotally mounted on said dolly, a guide on said hopper, a lift truck having a movable load engaging means, and power operated means attached to said lift truck and movable with said load engaging means, including a pivoted member having means engageable with said guide on said hopper when said load engaging means is interconnected with said dolly, said pivoted member being operable to tilt said hopper relative to said dolly.

2,601,164

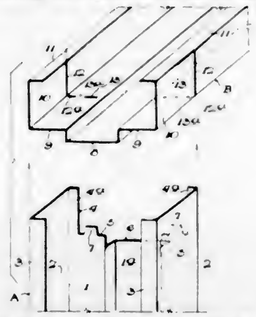
PRESSED STEEL DOORFRAME CONSTRUCTION

John R. Montgomery, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan

Application April 16, 1951, Serial No. 221,209
4 Claims. (Cl. 189—46)

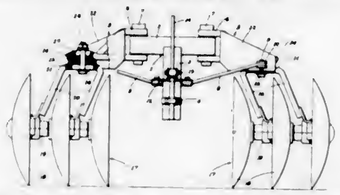
1. A fabricated pressed steel door frame construction, comprising, in combination a pair of jamb members of channel formation and formed at one end with spaced facing pairs of outer and inner lintel engaging and abutting flanges, bendable keys adjacent the said inner flanges, and a lintel member of channel formation having side walls provided with slots located inwardly of the ends of said lintel member for a distance equal

to the depth of the inside clearance of the channel of the jamb members and having its inner ends abutting the inside faces of the said outer



pair of flanges on the jamb members, said lintel member also having keeper openings to receive the keys on the jamb members.

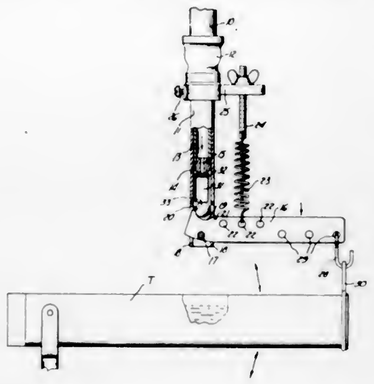
2,601,165
DISK HARROW
Stanley S. Moore, Stockton, Calif.
Application August 4, 1945, Serial No. 608,929
2 Claims. (Cl. 55—81)



1. A disc harrow comprising a rigid draft tongue, a rigid relatively short cross beam fixed at right angles to the trailing end of the tongue, a bracket pivoted to each outer end of the cross beam for horizontal swinging movement, each bracket projecting outwardly beyond the corresponding outer end of the cross beam, a pair of relatively short disc gangs, an upstanding supporting standard on each gang, each standard comprising a top plate and a supporting leg projecting downwardly from the top plate at an angle divergent from perpendicular, the major portion of the gang being supported on the leg in a position laterally out from the central vertical axis of the top plate, the top plate of each standard being detachably supported on the bottom of one of the brackets whereby the standards may be turned so that the diverging leg of each bracket may be projected either outwardly or inwardly of the said bracket, to either position the gangs in relatively widely spaced apart relation or to position them in relatively closely adjacent relation under the cross beam, respectively, and means for swinging the brackets on their pivots to adjust the working angle of the gangs.

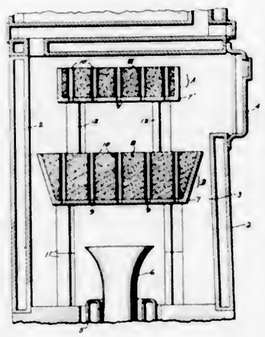
2,601,166
AUTOMATIC WATER VALVE
Davis Russell Myers, Singers Glen, Va., assignor to The Shenandoah Equipment Company, Harrisonburg, Va., a partnership
Application January 3, 1949, Serial No. 68,787
5 Claims. (Cl. 137—68)

1. A valve comprising a casing having a valve seat and port, a reciprocating valve for opening and closing said port, an actuating lever pivoted to said casing below said valve, said lever having a concave notch, an intermediate actuating member interposed between the valve and notch, said notch constituting a cam having spaced portions to alternately engage the intermediate actuating



member to move said valve to a closed position when said lever is selectively raised and lowered, and said intermediate actuating member being adapted to fall into said notch to release said valve to an open position when said lever moves to a position intermediate its raised and lowered positions.

2,601,167
FURNACE AND HEAT RETAINING UNIT THEREFOR
Stanley E. Navarro, Cambridge, Mass.
Application December 30, 1948, Serial No. 68,302
3 Claims. (Cl. 110—97)

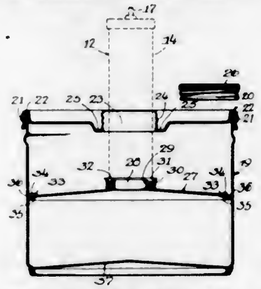


3. A heat conserving unit for furnaces comprising a metal shell provided with bottom and side walls and a heat radiating material approximately filling said shell, said filling including refractory non-metallic material mixed with metallic elements, and a multiplicity of metal tubes extending through said filling from top to bottom thereof and open at both the top and bottom of the unit.

2,601,168
Δ^4-17α-METHYL-3,20-DIOXO-PREGNENE COMPOUNDS
Placidus A. Plattner, Zurich, Switzerland, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Continuation of application Serial No. 138,943, January 16, 1950. This application October 31, 1950, Serial No. 193,309. In Switzerland January 31, 1949
4 Claims. (Cl. 260—397.3)

1. The Δ^4-17α-methyl-3,20-dioxo-pregnenes.

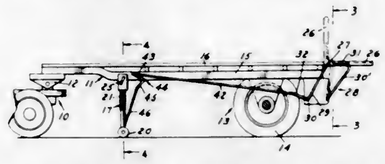
2,601,169
MECHANISM FOR LOADING GREASE GUNS
Judson A. Purvis, Chicago, Ill., assignor to The Fil-Rite Company, Minneapolis, Minn., a corporation of Minnesota
Application October 30, 1945, Serial No. 625,618
2 Claims. (Cl. 226—125)



1. A follower plate for use in filling the barrel of a grease gun from a pail of grease, comprising a substantially rigid disc-like member loosely seating upon the mass of grease in the pail and movable with the contents as the contents are withdrawn, said member having a domed central portion from which domed portion the member slopes outwardly and downwardly to an outer peripheral edge extending to and closely conforming to the interior of the pail, a centrally disposed and upstanding rigid annular flange in the domed portion defining a central opening, said domed portion having an upwardly projecting wall extending beyond the upper edge of the flange and providing therewith an upwardly opening annular recess surrounding the flange and opening, said flange providing a guide adapted to be loosely received within the gun barrel and directing the gun barrel over the flange, and a ring of readily deformable and resilient sealing composition disposed within the base of the recess encompassing the flange and against which the lower open end of the gun barrel seats during the filling operation, whereby to automatically seal this open end as the barrel is held against the sealing composition while withdrawing the plunger in the gun.

2,601,170
TRAILER VEHICLE WITH LANDING GEAR AND TAIL GATE ELEVATOR
Walter G. Retzlaff, Grosse Pointe, Mich.
Application November 21, 1949, Serial No. 128,634
9 Claims. (Cl. 214—77)

1. A vehicle having in combination a load carrying body structure, a landing gear supported on the body structure for up and down movement between retracted and ground engaging positions, selectively operable means for raising and lowering the landing gear relative to the body structure, a member supported at one end of the body structure and providing a combined end gate and loading platform, means connecting the member to the body structure enabling swinging movement of the member from an upright position relative to the body



structure to a substantially horizontal position relative to the body structure and permitting substantially vertical movement of said member between an elevated position adjacent the body structure and a position adjacent the ground, and means operated by the landing gear operating means for raising and lowering said member.

2,601,171
POWER PROPELLED TRUCK OF THE TYPE PROVIDED WITH A STEERING HANDLE CONNECTED TO A SWIVELED TRACTION WHEEL
Irvin F. Schreck, Cleveland Heights, Ohio
Application February 14, 1947, Serial No. 728,550
1 Claim. (Cl. 280—47)

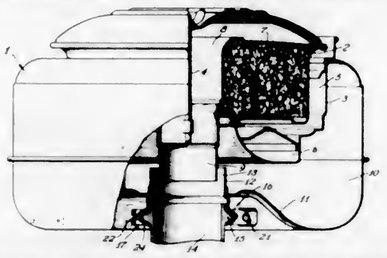


A truck comprising a frame having a horizontal annular bearing portion, a wheel carrying frame swiveled in said bearing portion, a steering handle pivotally connected at its lower end to said wheel frame to swing vertically, a rod parallel with the handle and mounted for endwise movement on the under side of the handle, a spring resisting movement of said rod toward the handle pivot, means for adjusting the tension of said spring, a roller mounted on one side of said handle below the lower end of said rod, and a flexible connector attached at one end to the lower end of said rod and its other end to said wheel frame above the pivotal connection of the handle, said connector extending over said roller and exerting an upward thrust thereon and including a link attached to the wheel frame and provided with a retaining recess on its upper side to receive said roller when the said handle is in its uppermost position.

2,601,172
SHOCK ABSORBING AND SILENCING MOUNTING ARRANGEMENT FOR AIR CLEANERS
Frank Sebok, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 31, 1949, Serial No. 84,536
7 Claims. (Cl. 183—15)

1. A shock absorbing and silencing mounting arrangement for connecting an air cleaner to an intake horn having a tortuous surface adjacent

its open end, including a flange carried by the air cleaner, a resilient non-metallic element for disposition between said flange and an intake horn, and a clamp member to force said resilient ele-

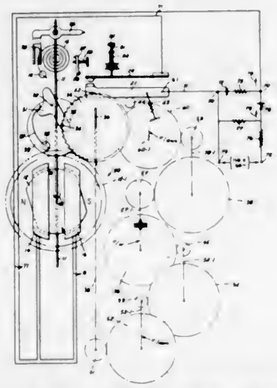


ment to follow the contour of the tortuous surface of the intake horn, said resilient element separating both said flange and said clamp member from said horn.

2,601,173
METHOD OF DETERMINATION OF THE COLOR OF EGG YOLK PRODUCTS
Edgar Selz, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 3, 1950, Serial No. 147,571
13 Claims. (Cl. 23—230)

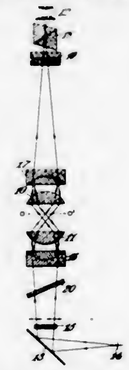
1. A method of determining the color of egg yolk products containing at least 35% of egg yolks which comprises mixing a predetermined quantity of said egg yolk products with a water-soluble electrolyte having the property of dispersing egg proteins and with a larger proportion of a glycerol whereby to produce a substantially transparent product, and then comparing the color thereof against a standard.

2,601,174
OSCILLATORY MOTOR DEVICE
Benjamin H. Smith, Bloomfield, N. J.
Application July 8, 1946, Serial No. 681,961
11 Claims. (Cl. 318—134)



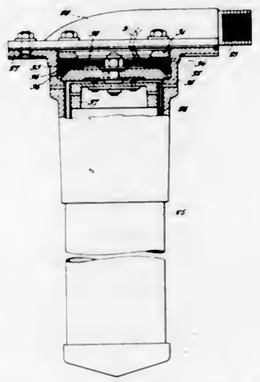
1. In a timing device having an electrically actuated timing mechanism adapted to operate with energy from an alternating current power system of timed power frequency and also from a source of direct current: a substantially balanced mass structure mounted for oscillatory motion about a central balance axis in opposite directions from a mid-position; spring means forming with said mass structure an oscillating balance unit having a predetermined natural period timing frequency which is a submultiple of said power frequency; said balancing unit including a symmetrical permanent magnet member having at least one pair of peripheral poles for producing a magnetic field of a predetermined field axis in external field regions along said poles; actuating windings extending through said field regions and an energizing circuit including two terminal leads through which said windings are connected to said alternating current power system, and said energizing circuit also including a direct-current source and a switch unit serially connected between said two terminal leads and said windings; said switch unit including a flexible spring contact member and actuating means actuated by the oscillatory motion of said balance unit for causing said contact member to complete said energizing circuit during a torque interval which is a fraction of a half-cycle duration of said oscillatory motion and thereby impart to said magnet member a driving torque impulse during a fraction of an interval in said one direction; the natural period frequency of said balance unit being slightly less than said sub-multiple frequency; and additional impulse means including an additional independent spring element and at least one additional impact element positioned to come into impact engagement during a portion of at least one-half cycle oscillation of said balance unit when operating with energy from said power system for increasing the rate of said oscillations to said submultiple frequency.

2,601,175
INTERFERENCE MICROSCOPE
Francis Hughes Smith, Scarborough, England
Application August 3, 1948, Serial No. 42,170
In Great Britain August 5, 1947
16 Claims. (Cl. 88—39)



1. In combination with a compound microscope comprising in combination means for supporting an object at an object position, means for providing a beam of rays of light for illuminating the object, a condenser for concentrating the beam on to the object position, an objective focussed on to the object position for receiving the beam after it has left the object position and producing an enlarged real image of the object, and means for viewing the image, ray-dividing means, situated in the path of the beam before it reaches the object position, for dividing each ray in the beam into at least two coherent component rays and directing said two component rays along mutually different paths within the beam, and ray-combining means, situated in the path of the beam after it has left the object position, for directing said two component rays along colinear coincidental paths in the beam, which ray-combining means comprises a member which presents mutually different optical path lengths to said two component rays, the difference between the optical path lengths presented to said two component rays being different from the corresponding mutual differences between the optical path lengths presented by said member to other pairs of coherent component rays derived from other rays in the beam, whereby when a transparent object to be examined and comprising portions having mutually different optical thicknesses is supported at the object position the image exhibits coincidentally viewable interference effects corresponding to the said portions of the object and resulting from the modification by the object of the relationship between the path lengths of at least one pair of the said mutually coherent component rays.

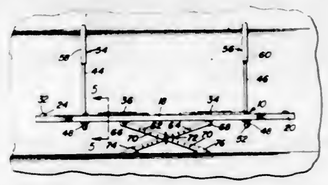
2,601,176
CAPACITANCE TYPE LIQUID QUANTITY GAUGE
Stanley James Smith, Ossining, N. Y.
Application January 26, 1949, Serial No. 72,913
3 Claims. (Cl. 73—304)



1. A measuring capacitor for a capacitor type liquid quantity gauge comprising two elongated spaced electrodes, means for suspending said electrodes in the liquid to be measured, including a recessed thermally conductive body having a peripheral flange, and a temperature compensating resistor arranged in said recess in good thermal contact with, but electrically insulated from said body.

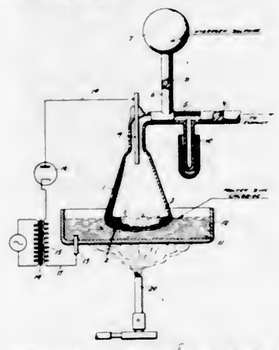
2,601,177
AUTOMOBILE TABLE WITH FOLDING SEAT HANGER
Willard C. Smullen, Decatur, Ill.
Application October 23, 1950, Serial No. 191,549
1 Claim. (Cl. 311—21)

For use in the tonneaus of an automobile between the trailing side of the back rest of a front seat and the cushion of a back seat and collectively supported by said back rest and cushion, a portable folding temporarily usable table construction comprising a platform to assume a horizontal position with a forward marginal edge spaced from the stated backrest and a rearward marginal edge adapter to overlie the stated cushion, a pair of hanger and supporting elements, each being of general L-shaped form and having a horizontal limb portion underlying and hingedly attached to said platform and a vertical limb portion to assume spaced parallelism in respect to the aforementioned backrest, the upper end portions of the vertical limbs being formed into hooks, said hooks being curved and bent to conformably engage over the upper edge of the back rest, a



pair of rigid members having corresponding end portions hingedly attached to the underside of the rear edge portion of said platform and providing legs, the latter being provided with selectively usable registrable apertures and disposed in crossed relation, bolt and nut means passing through a pair of aligned apertures in said legs, and cushioned feet carried by the free end portions of said legs, said feet to rest upon said cushion and said legs being centered in respect to the opposite transverse end portions of the platform so as to permit the legs to be straddled by the legs of the occupant of the rear seat when using the platform as a table, desk or the like.

2,601,178
METHOD FOR PRODUCING FLUORESCENT SCREENS
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 9, 1950, Serial No. 167,020
7 Claims. (Cl. 204—20)

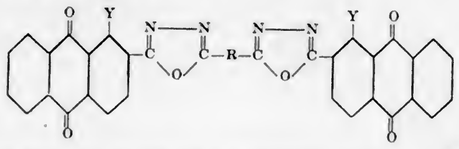


1. The method of producing a zinc sulphide coating on a glass envelope which comprises forming said envelope of a composition containing zinc oxide, immersing said envelope in a bath of molten zinc chloride, evacuating said envelope, providing a low pressure atmosphere of hydrogen sulphide within said envelope, and simultaneously applying a direct electrical potential between an electrode in said bath and

an electrode in the interior of said envelope such that said bath is positive with respect to said envelope to produce by ionic combination a coating of zinc sulphide on the immersed portion of said envelope, said potential being sufficient to produce a discharge through said hydrogen sulphide.

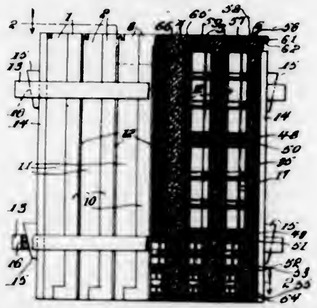
2,601,179
VAT DYES OF THE ANTHRAQUINONE-OXDIAZOLE SERIES
Frederic B. Stilmar, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 24, 1950, Serial No. 151,804
5 Claims. (Cl. 260—296)

1. The anthraquinone oxdiazole compounds of the general formula:



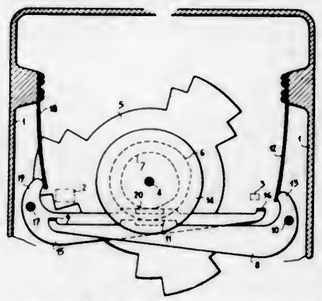
in which Y stands for a substituent of the group consisting of —NH_2 and —NO_2 and R stands for an unsubstituted radical of the group consisting of thiophene, furane and pyridine radicals which are attached through the 2,5-positions.

2,601,180
MULTIPLE SHINGLE AND SIDING CASTING MOLDS
Robert B. Stuart and Ralph C. Livoni, Yucaipa, Calif.
Application August 25, 1949, Serial No. 112,312
4 Claims. (Cl. 25—121)



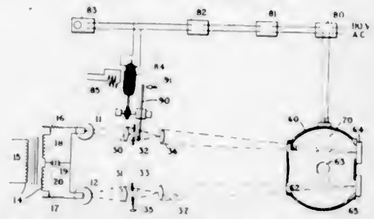
1. In a mold for casting wall and roof sections used in building construction, the combination which comprises a slab of resilient material with recesses and projections on and in the inner face thereof, a complementary slab of resilient material also having recesses and projections in and on the inner face and positioned with the said recesses and projections thereof positioned to coact with the recesses and projections of the former slab, a frame for clamping a plurality of said slabs together, and stiffening panels positioned between pairs of the said slabs, said slabs having reinforcing studs positioned in recesses in the outer surfaces thereof and extended for engagement with the stiffening panels for preventing bulging in the webs of the slabs.

2,601,181
DEVICE FOR DRIVING A FILM IN A MULTI-FILM CINEMATOGRAPHIC PROJECTOR
Jean Thévenaz, Yverdon, Switzerland, assignor to Paillard S. A., a corporation of Switzerland
Application June 21, 1950, Serial No. 169,365
In Switzerland June 30, 1949
2 Claims. (Cl. 88—18.4)



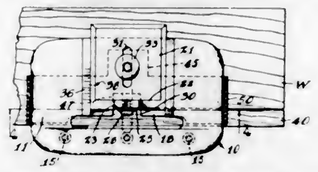
1. In a multifilm cinema projector, the combination, comprising, a frame, a pair of levers each fulcrumed on the frame and resiliently bendable in the direction of the fulcrum axis, a claw at the end of each lever adapted to enter the perforation of a film, a rotatable shaft, a first pair of cams each constituted by the periphery of a disc and rigid with the shaft and each engaging one edge of a related lever to swing the same about its fulcrum, a second pair of cams each engaging an adjacent side of a related lever and bending same to move its claw thereof substantially parallel to the lever fulcrum, one of the second pair of cams constituted by the lateral face of one of the discs and the second one of the second pair of cams constituted by the lateral face of a third disc, and a pair of springs reacting against the frame and each urging a lever against one of the first pair of cams.

2,601,182
PHOTOMETRIC APPARATUS
John E. Tyler, Riverside, Conn., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application April 23, 1949, Serial No. 89,276
8 Claims. (Cl. 250—205)



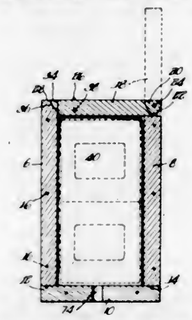
1. In combination, two sources of modulated light, a transformer, circuit means including current limiting resistors, connecting the said light sources in series across the transformer secondary, a supply of unidirectional current connected to the said light sources and to a center tap of the said transformer secondary, a photoelectric tube placed to receive combined light from the said sources, an optical system between the said sources and the said photoelectric tube arranged to direct light from the said sources at the said photoelectric tube, means allowing measurable attenuation of light passing from at least one of the sources, means for amplifying signals generated by the said photoelectric tube and means for detecting such signals.

2,601,183
ADJUSTABLE STRIP CUTTING TOOL
Philip H. Unsinger, Fremont, Ohio, assignor to Unsinger A P Corporation, Fremont, Ohio, a corporation of Ohio
Application July 5, 1947, Serial No. 759,107
4 Claims. (Cl. 30—293)



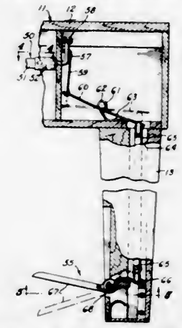
1. In combination; a strip shearing device including a frame plate having a projecting flange; said flange forming a guide portion; a member having a portion spaced from said frame plate; means cooperating with the flange on said frame plate and said member for connecting said member and frame plate together; an element mounted upon said plate and slidably adjustable transversely thereof; a strip shearing tool removably supported upon said element and disposed in the space between said frame plate and member; a transversely extending groove formed in said frame plate to provide clearance for said shearing tool; means for securing said element in adjusted position; an arcuately shaped flexible plate connected intermediate its ends to said member for biasing the material to be severed into contact with the frame plate; and means including calibrations formed on said element and said member for determining the space between said tool and said guide portion to regulate the width of strip to be formed.

2,601,184
TRANSPORTATION CONTAINER
Leon F. Urbain, Chicago, Ill.
Application February 27, 1948, Serial No. 11,502
6 Claims. (Cl. 217—5)



2. A container comprising a pair of flat, relatively thin sheets of waterproof, light, durable material having pairs of parallel sides, a pair of nailing strips of shorter length than the size of the material inserted therebetween along two pairs of said parallel sides, an end strip inserted in between said sheets along another of said sides at one end of said sheets with one side wall abutting the ends of the first mentioned parallel strips, fastening means engaging the marginal edges of the pair of sheets and said strips to secure the same in assembled relation and to form a hollow, relatively flat, rectangular container, and an additional strip of relatively light, weatherproof and waterproof material pivotally mounted between the ends of said sheets at one corner of that end of the container opposite the closed end, the free end of said last mentioned pivoted strip abutting the inner wall of one of said nailing strips in order to close the container, said pivoted strip and the sheets having registering apertures for the reception of a wire or thread for holding the pivoted strip in closed position, said pivoted strip having its inner end at the corner cut away to permit said pivoted strip to swing outwardly into open position.

2,601,185
ACTION FOR KEY-OPERATED MUSICAL INSTRUMENTS OF PERCUSSION TYPE
Frans van den Bergh, West Los Angeles, Calif., assignor to U. S. Propellers, Inc., Pasadena, Calif., a corporation of California
Application October 26, 1950, Serial No. 192,283
14 Claims. (Cl. 84—1.04)

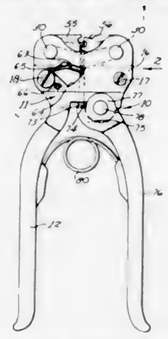


1. In an action for a key-operated musical instrument of the percussion type which includes a vibrator and a support therefor, the combination of: a frame carrying said support with said vibrator thereon; a rocker pivotally mounted on said frame and having a key; a hammer aligned with said vibrator and actuable by said rocker to strike said vibrator upon rocking movement of said rocker by said key; adjustable damping means carried by said rocker, said damping means including a damper which is aligned with and engageable with said vibrator and which is pivotally mounted on said rocker, and including resilient means for biasing said damper toward said vibrator; and means carried by said frame and engageable with said damping means for adjusting said damping means to vary the damping effect thereof on said vibrator.

2,601,186
WIRE HEADING TOOL
William A. Vinson, Madera, Calif.
Application August 30, 1946, Serial No. 693,871
4 Claims. (Cl. 78—17)

1. In a device for deforming the end of a cylindrical element, the combination of: a body providing a pair of hinge means; a toggle-acting vise means for receiving and retaining the end of said cylindrical element and comprising a pair of

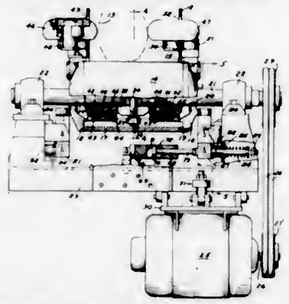
toggle jaws respectively pivoting about said hinge means and providing forward ends adjacent each other and movable from an open position in which said ends are spaced from each other and disposed beyond a line joining said hinge means to a clamping position in which said ends are beyond said line but closer to each other and to said line than when in said open position, said forward ends providing gripping surfaces to engage and grip the end of said cylindrical element when disposed therebetween; a deforming member including a pressure-exerting end; means for mounting said deforming member to move relative to said body and axially toward said end of said cylindrical element when gripped by said toggle jaws; and means for moving said deforming member perpendicular to said line and in a direction extending from said open to said clamping position of said toggle jaws to press said pressure-exerting end against the end of said cylindrical element to tighten the grip of the jaws on said element, and to deform same.



2,601,187
WHEEL ALIGNMENT APPARATUS

Kerr Volis, Grosse Pointe Park, Mich.

Application April 25, 1949, Serial No. 89,543
12 Claims. (Cl. 33—203.13)

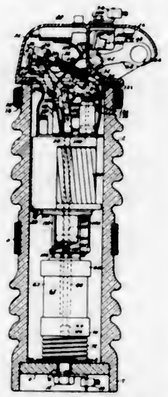


8. In a gage for indicating alignment of the ground engaging wheels at opposite sides of a vehicle, a supporting frame structure, a pair of aligned axially spaced rolls positioned to respectively support the ground engaging wheels, means supporting the rolls on the frame structure for rotation and for sliding movement along their aligned axes, means for rotating the rolls to impart rotation to the vehicle wheels, guide elements fixed on the frame structure and respectively engageable with opposite sides of the vehicle wheel supported on one roll whereby rotation of the wheels by said rolls shifts the rolls axially an amount depending on the extent the planes of rotation of the wheels deviate about a vertical axis from planes perpendicular to the axes of the rolls, and means for indicating the extent of axial movement of the rolls.

2,601,188
AUTOMATIC RECLOSING CIRCUIT INTERRUPTER

James M. Wallace, East McKeesport, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 28, 1947, Serial No. 771,123
10 Claims. (Cl. 200—89)



10. An automatic reclosing circuit breaker comprising, separable contacts, means responsive to an overload on the circuit for automatically separating said contacts to open the circuit, means responsive to a circuit-opening operation for automatically closing said contacts, means responsive to a predetermined number of closely successive circuit-opening operations for maintaining said contacts separated, fluid pumping means actuated by said contact separating means for supplying fluid to a counter cylinder, a counting piston in said cylinder biased to a normal position from which it is advanced a predetermined amount by the fluid supplied by said pumping means on each circuit-opening operation of the breaker, a movable mechanical stop positioned to be engaged by said piston when advanced a farther amount by a number of closely succeeding circuit-opening operations of said breaker which is less than said predetermined number to prevent further movement of said piston, whereby the next closely succeeding circuit-opening operation will be delayed by the thus imposed resistance to fluid flow from said pumping means to said counting cylinder and means for manually securing said movable stop at a selected position.

2,601,189
AIR COMFORTER BED COVERING

Nathaniel B. Wales, Jr., New York, N. Y., assignor to Theodore Backer, New York, N. Y.

Application August 22, 1949, Serial No. 111,647
6 Claims. (Cl. 4—160)

1. In a bed covering, the combination comprising an air-impervious flexible upper cover member, a flexible perforated lower distribution member secured at its periphery to said upper cover member, means for forming a plurality of

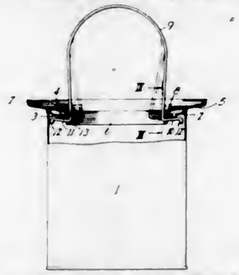
self-sustaining air distribution ducts between said upper cover member and said lower perforated member, said ducts being in communication with the perforations in said lower member, a source of air pressure, and duct means communicating between said source of air pressure and said self-sustaining ducts whereby to diffuse air downwardly through the perforations in said lower distribution member.



2,601,190
PAINT CAN SPLASH PROTECTOR WITH HANDLE

Chandler Wells, Williamsville, N. Y., assignor of one-fourth to Elizabeth Shepard, Orchard Park, one-fourth to Jane Urban, Buffalo, and one-fourth to Anne Louise Weller, South Brighton, N. Y.

Application January 24, 1950, Serial No. 140,321
1 Claim. (Cl. 220—90)



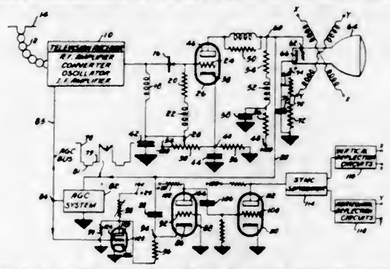
A splash protector for use with an open end container, the opening in the container being defined by an inwardly projecting annular rim, said protector having an annular inwardly inclined body portion overlying said rim, and an inner downwardly turned marginal cylindrical flange terminating in a free edge received within the opening defined by the inwardly projecting rim of the receptacles, said flange projecting substantially below the rim of the receptacle and being provided with diametrically formed elongated openings below said rim, and a handle forming bail made from spring wire and having its terminals angularly directed in opposite directions from within said flange outwardly through the openings therein into interlocking engagement with the under surface of said rim, the extremities of the spring wire bail being deflected to form stop lugs to prevent removal of the bail through said openings when said bail is in its vertical position, whereby said splash protector is secured against vertical displacement and the extremities of said handle are positioned to permit lifting of the receptacle and the protector when the parts are assembled.

2,601,191
TELEVISION SYNC SEPARATOR

Karl R. Wendt, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 18, 1948, Serial No. 49,938
1 Claim. (Cl. 178—7.3)

In a television receiver including a video amplifier having an output terminal and an automatic gain control circuit having an output terminal, a synchronizing signal separator circuit comprising a synchronizing signal separator tube having an input and an output, a connection between the output terminal of said video amplifier and the input of said synchronizing signal separator to apply demodulated television signals thereto with such polarity that the sync pulses tend to increase the conduction of said synchronizing signal separator, a threshold control circuit for said synchronizing signal separator tube including a unilateral conduction device having an anode, a cathode and a control electrode, a source of unidirectional potential having positive and negative terminals, a first resistance connected between the positive terminal of said source of unidirectional

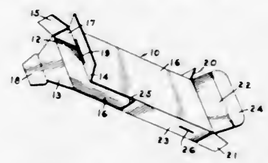


potential and the anode of said unidirectional conduction device, a second resistance connected between the anode of said unilateral conduction device and a point on the source of unidirectional potential, means connecting the cathode of said unilateral conduction device to the negative terminal of the source of unilateral potential, a connection between the output terminal of said automatic gain control circuit and the control electrode of said unilateral conduction device, and a connection between the anode of said unilateral conduction device and the input of said synchronizing signal separator tube to control the threshold thereof in such a way that an increase in received signal intensity will tend to reduce the conductivity of said synchronizing signal separator tube.

2,601,192
PACKAGING MEANS FOR TOY PISTOLS

Robert O. Wesley, Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan

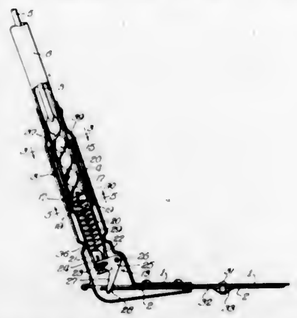
Application December 24, 1947, Serial No. 793,669
3 Claims. (Cl. 206—65)



2. In combination, a pair of pistols and means for packaging the same, with one of said pistols inverted and reversed with respect to the other, each of said pistols including a grip portion and a projection extending from the bottom of the grip portion, said packaging means comprising a pair of like, interchangeable cartons for the respective pistols, having openings in the bottom walls through which the grip portions of the pistols project, and having slots in said walls longitudinally spaced from the openings, the slot in

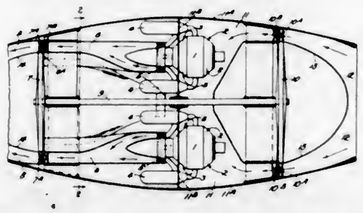
one carton being located in such a position as to receive the projection projecting from the bottom of the pistol in the other carton, and the slot in the latter carton being located in such a position as to receive the projection extending from the bottom of the pistol grip in said one carton, so as to releasably retain the said cartons against relative movement.

2,601,193
CUTTING IMPLEMENT DRIVE MEANS
Eberhard E. Wettley, Chicago, Ill.
Application June 28, 1946, Serial No. 680,149
9 Claims. (Cl. 74—89)



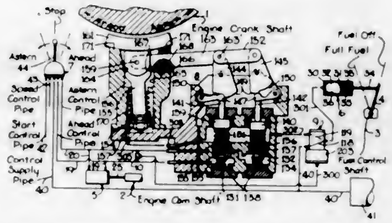
1. An actuating mechanism for operating a movable element, said actuating mechanism comprising coacting spiral and slotted members, motivating means connected with one of said members to cause relative movement between both of said members, and motion transmitting mechanism connected with one of said members and with said movable element to operate the latter.

2,601,194
MULTIUNIT GAS TURBINE POWER PLANT FOR AIRCRAFT PROPULSION
Frank Whittle, Harrow-on-the-Hill, Middlesex, England, assignor to Power Jets (Research & Development) Limited, London, England
Application November 15, 1945, Serial No. 628,800
In Great Britain December 1, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 1, 1961
12 Claims. (Cl. 60—35.6)



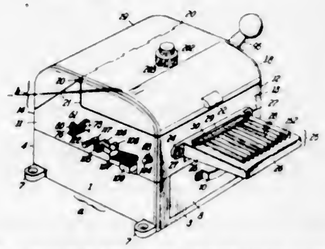
1. Aircraft jet propulsion power plant comprising a nacelle having a forwardly facing air entry and rearwardly facing gas exit in relation to the intended direction of flight, a compressor in the entry for pressurizing the nacelle, a plurality of self-contained gas turbine power units arranged in circular symmetry about the axis of the compressor, each unit comprising a turbine, a compressor driven thereby and heating means connected to receive air from the compressor of the unit and to supply hot gas to the turbine of the unit, said power units being wholly enclosed by the nacelle so as to receive their entire air supply therefrom, and means receiving power from the power units in common for driving the first said compressor.

2,601,195
REVERSIBLE ENGINE CONTROL EQUIPMENT
Ralph T. Whitney, Irwin, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application June 18, 1949, Serial No. 100,069
12 Claims. (Cl. 123—41)



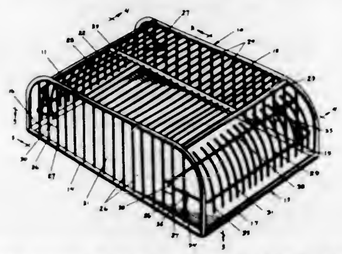
1. In combination, a motion reversible member, two control pipes, a delivery chamber, control means for effecting supply and release of fluid under pressure to and from either of said two control pipes selectively, valve means conditionable according to direction of motion of said member to selectively establish connection between said delivery chamber and one or the other of said control pipes, direction sensing means operatively connected to said valve means and movable by engagement with said member, and fluid pressure means operable in response to supply of fluid under pressure to said delivery chamber to effect movement of said direction sensing means into engagement with said motion reversible member.

2,601,196
PRINTING DEVICE FOR PRODUCING GRAPHS, PRINTS, OR THE LIKE
Maurice B. Willis, Haddonfield, N. J., assignor of one-third to Charles C. Morrison, Haddonfield, N. J., and one-third to Richard Kubach, Philadelphia, Pa.
Original application January 10, 1945, Serial No. 572,157, now Patent No. 2,549,150, dated April 17, 1951. Divided and this application February 6, 1951, Serial No. 209,652
23 Claims. (Cl. 95—1)



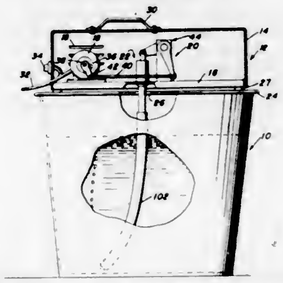
1. In a printing device of the species described, the combination of a housing including a partition separating the same into front and rear sections; a transversely related light-proof plate having a planarly-related narrow passage through the partition; a rotatable supply of sensitized paper journaled in the rear section; cutter means in the front section closely paralleling the adjoining end of the light-proof plate; a platen in the front section supporting an endless resilient belt with one flight thereon; an associated transparent form-plate in said front section; means for variably-projecting multiple transparent or trunslucent bar-like elements, bearing graph-indicia into the front section along the lower surface of the form-plate; means for feeding a definite length of the sensitized paper, from the rear section, through the light-proof plate narrow passage into the front section and along the upper surface of the platen endless belt; means operative to press the sensitized paper between the form-plate and platen belt; cooperative means aided by the endless belt for subsequently withdrawing said length of the sensitized paper from off the platen; means for projecting light, under timed exposure, through the form-plate and bar-like elements to impart an image of the latter and the graph indicia thereon to the sheet material; and drive mechnism, operative by a single hand-lever and including a friction-clutch, serving when said lever is moved in one direction to control progression of the sensitized paper by the feeding means and ejection of a previously impressed sheet of the sensitized paper, and during return movement of the hand-lever, to effect pressure between the form-plate and platen, to actuate the cutter means and the light projecting means, all in cyclic relation.

2,601,197
CAGE FOR POULTRY AND ANIMALS
Joseph Leo Wilson, Saint Thomas, Ontario, Canada
Application December 20, 1948, Serial No. 66,220
1 Claim. (Cl. 220—19)



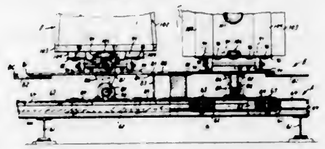
A cage comprising a framework fixedly mounted on a base frame and consisting of spaced apart lateral members forming the top and vertical spaced apart members constituting the sides of the cage, the top, sides and base frame all being fixed with respect to each other, a removable bottom supported on said base frame, a gate located at each of the open ends of said cage comprising a pair of lateral members being spaced apart and having their ends converging inwardly at an angle to join one another, a plurality of arcuately shaped bars fixedly secured to the said pair of lateral members to project beyond the same, the said arcuate bars terminating short of the top and the bottom of said cage, a mounting plate located on each side of the open end and being fixedly secured to a pair of the vertical side members of the cage, the converging ends of the said lateral members of said gate being in pivotal engagement with said mounting plates, a stop block located at each side of said gate and fixedly secured to the vertical side members of the cage next to the end of the cage, locking hooks pivotally connected to said stop blocks and adapted to hook over the end portions of said lateral members of said gate to keep said gate in its closed position, the pivoting of said lateral gate members upward adapting said arcuate shaped bars thereon to be brought beneath the top of the cage to thus open the end of the cage, downward pivoting of said lateral members effecting a closure of the opening by the said arcuate bars.

2,601,198
FISHING BAIT AERATING DEVICE
Carl C. Willson, Oklahoma City, Okla.
Application January 24, 1951, Serial No. 207,610
3 Claims. (Cl. 43—57)



1. A fishing bait aerating device including an attachment to be disposed on a conventional minnow bucket comprising a cover having an opening therein, said attachment comprising a platform with an opening therethrough communicable with the opening in the cover of said bucket, a prime mover fixedly secured on said platform and having a drive shaft, a pitman arm secured to said shaft and having a connecting rod pivotally secured to its outer end, a standard fixedly mounted on said platform, a stub shaft journaled on said standard, a first lever connecting said connecting rod to said stub shaft for effecting pivoting movement thereof in response to actuation of said prime mover, air pump means secured to said support and overlying the opening in the platform, and a second lever interconnecting said stub shaft to said pump means for effecting pumping of air through said openings.

2,601,199
MOLD CONVEYING AND HANDLING APPARATUS
George W. Zabel, Cincinnati, Ohio, assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application November 1, 1947, Serial No. 783,571
2 Claims. (Cl. 22—90)



1. A mold supporting and locating assembly comprising an elongate table structure, a tray secured to said table structure, said tray having

a flat support surface, a mold supporting pallet removably positionable on said tray, and means for locating said pallet on said tray in substantially centered relation with the longitudinal axis of said elongate table structure, said locating means including an element projecting from said tray above the longitudinal axis of said table structure and formed with a conical surface, and an element secured to said pallet and formed with a surface at the center thereof into which the conical surface of said projecting element is adapted to be received in close fitting cooperation, aligning the center of the pallet with the longitudinal centerline of the table structure for various sizes of pallets and preventing relative linear movement of said pallet and said tray in a plane parallel to the plane of said flat support surface of said tray.

2,601,200

PRODUCTION OF MOLDING GRANULES

James L. Amos, John L. McCurdy, and Alden W. Hanson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application November 9, 1948, Serial No. 59,162
11 Claims. (Cl. 164—17)



1. A method for producing molding granules, which comprises transversely cutting a sheet of a thermoplastic resin, having an impact strength of from 0.1 to 1.5 foot-pounds per inch of notch, which sheet is corrugated by having a series of parallel grooves and ridges on at least one face thereof, and has each ridge on one face opposite a ridge on the other face in the instance in which both faces are corrugated, and which sheet has a maximum thickness at the ridges of from 1/8 to 1/4 inch and a web thickness between the ridges of from 0.015 to 0.065 inch, by downward pressing of the sheet against a support with one corrugated end of the sheet projecting from 1/8 to 1/2 inch beyond a substantially straight edge of the support, the downward pressing being along a line parallel to and between 1/8 and 1/2 inch from said straight edge of the support, and cutting the projecting end of the sheet by downward movement of a knife adjacent to and along the straight edge of the support while positioning the knife edge at an angle of from 20 to 45 degrees with respect to the plane of the supported sheet at each point of cutting.

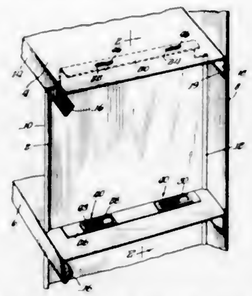
2,601,201

FASTENING MEMBER FOR PERFORATED SHEET MATERIAL MEMBERS

James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Application April 2, 1945, Serial No. 586,113
2 Claims. (Cl. 211—135)

2. In combination, at least two sheet members having flat surfaces adapted to be juxtaposed, said surfaces having registering holes, fastening means for interlocking said sheet members comprising a skeletal, rectangular frame of spring sheet metal, said frame having a normal curvature in one direction, and said frame having projecting from one side thereof an integral floating tongue disposed intermediate two side members of said frame and parallel thereto, the longitudinal axis of said tongue lying parallel to the direction of curvature of said



frame, and said tongue having portions intermediate its length bent to lie on opposite sides of the normal plane of said frame, the free end of said tongue normally lying laterally of the plane of said frame.

2,601,202

ANION EXCHANGE RESINS AND PROCESS

William C. Bauman and George Beal Heusted, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application May 23, 1946, Serial No. 671,871
15 Claims. (Cl. 260—57)

1. A solid resin, substantially insoluble in water and in aqueous mineral acid solutions and adapted to employment as an anion exchange agent, which resin is prepared by reacting together in the presence of an ionizing solvent and at temperatures between 50° and 125° C., one molecular equivalent of a monohydric phenol, that of itself is free of substituents in at least two of the positions ortho and para to the hydroxyl group, from 2 to 3.5 molecular equivalents of formaldehyde and from 0.5 to 2 molecular equivalents of ammonia, and completing the resin-forming reaction under acidic conditions.

2,601,203

DECOLORIZING CAUSTIC SODA SOLUTIONS

Wallis R. Bennett and Claude A. Cummins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application October 10, 1949, Serial No. 120,608
5 Claims. (Cl. 23—230)

1. In a process of decolorizing a concentrated aqueous solution of electrolytic caustic soda produced in diaphragm cells wherein a soluble hypochlorite is employed in the caustic soda solution to effect decolorization thereof the method of controlling the amount of hypochlorite used which comprises immersing an electrode of tungsten and a reference electrode in the hypochlorite treated caustic so as to produce an EMF which decreases as the concentration of the hypochlorite in the caustic soda solution increases and regulating the concentration of the hypochlorite in the caustic soda solution in accordance with the EMF so-produced to maintain the latter at a value at which the caustic soda solution becomes colorless.

2,601,204

PROCESS OF LOWERING BLOOD PROTHROMBIN LEVEL AND LENGTHENING CLOTTING TIME WITH METHYLENE-BIS-HYDROXY COUMARIN

Harold A. Campbell, Denville, Mark A. Stahmann, Middleton, and Charles F. Huebner, Summit, N. J., and Karl Paul Link, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin

No Drawing. Continuation of application Serial No. 414,688, October 11, 1941. This application November 15, 1947, Serial No. 786,316
6 Claims. (Cl. 167—65)

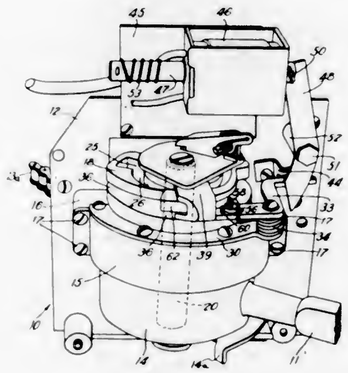
1. The process of lowering the blood prothrombin level and lengthening the clotting time of the blood in human beings and thus combating clotting in vivo, which consists in administering to a living human being a substantially pure coumarin compound of the class consisting of 3,3'-methylenebis(4-hydroxycoumarin) and its alkali metal, alkaline-earth metal, ammonium, and substituted ammonium salts, and regulating the amount of such coumarin so administered to avoid too great a lowering of the blood prothrombin level and to prevent hemorrhage.

2,601,205

ARTICLE DISPENSER CONTROL UNIT

Raymond R. Fredrick, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application April 4, 1947, Serial No. 739,409
6 Claims. (Cl. 74—126)



1. In a device of the class described the combination including a rotatable element having a cam surface thereon, a lever adjacent said rotatable element, a rotatable cam follower supported on said lever disposed so as to ride on said cam surface, means for moving said lever away from said cam surface, means for rotating said cam follower to a position wherein said follower bears against a high point of said cam surface to hold said lever away from said rotatable element, said cam follower being freely rotatable only when said lever is moved away from said rotatable element, and clutch means controlled by said lever for transmitting motion from a handle to said rotatable element.

2,601,206

MEDIUM-STRENGTH CORROSION-RESISTANT ALUMINUM ALLOYS

Thomas L. Fritzlen, Hinsdale, Ill., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware

No Drawing. Application October 22, 1948, Serial No. 56,057
4 Claims. (Cl. 75—147)

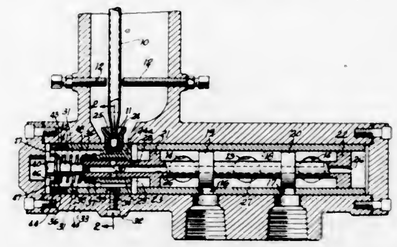
1. An aluminum base alloy composed substantially entirely of Si, above .50 and below .90%; Mg, .8–1.2% and Mn, .25–.75%; Fe, above .40 and below .60% and the balance aluminum wherein the magnesium is combined with the silicon, leaving an excess of at least 0.10 per cent excess silicon combined in the form of an Al—Fe—Mn—Si constituent.

2,601,207

FLUID REGULATOR

Stanley A. Jacques, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois

Application February 15, 1951, Serial No. 211,026
7 Claims. (Cl. 121—46.5)



1. A jet pipe regulator assembly comprising a movable jet pipe having a discharge orifice movable along a definite path by movement of the jet pipe and stop means limiting opposite movement of the jet pipe and determining limit positions of its orifice, a distributor element movable in the directions of said path and having a pair of receiver ports disposed in and narrowly spaced in the directions of said path, stop means limiting travel of said distributor element to a range at opposite ends of which respectively the different receiver ports are positioned to substantially register with the orifice in its respective said limit positions, means enclosing a motor chamber and passages connecting the respective receiver ports with opposite ends of said chamber, a wall member movable between said opposite chamber ends by unequal delivery of fluid from said orifice to the two receiver ports and said member being movable relative to said distributor element, and means effective between said distributor element and wall member biasing them to a preselected positional relation.

2,601,208

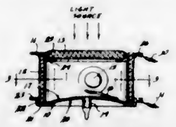
PHOTOELECTRIC DISCHARGE DEVICE

Waldo H. Kliever and Noel T. Stone, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 16, 1947, Serial No. 780,240
14 Claims. (Cl. 313—102)

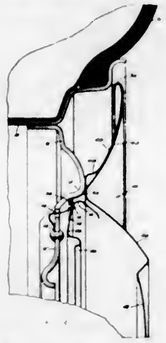
1. An electron discharge device comprising an envelope, an annular anode, and an electron

emissive cathode forming a portion of a surface



of a sphere convex toward said anode, said cathode and anode forming portions of said envelope.

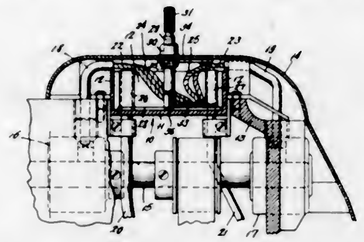
2,601,209
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application October 15, 1948, Serial No. 54,699
6 Claims. (Cl. 301—37)



1. In a wheel structure including a multi-flanged tire rim and a body part provided with cover retaining spring clips, a cover comprising a circular member including an outer radial annular portion for disposition over the junction of the tire rim and body part and a central dished portion forming a hub covering part, the junction of said portions comprising an axially inwardly dished shoulder and a rear ring secured to said circular member and contiguous with said shoulder, the central portion of said ring radially inwardly of said shoulder being apertured to permit the spring clips to extend therethrough and being provided with an integral turned multiple thickness bead comprising at least three layers of material at the apertured portion and engageable by the spring clips for the detachable retention of the cover on the wheel.

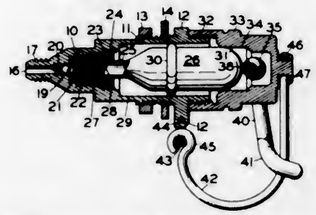
2,601,210
CAPILLARY OIL DEVICE FOR MACHINES
Clarence R. Nelson, Nyack, N. Y., assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application November 9, 1948, Serial No. 59,177
3 Claims. (Cl. 184—6)

1. In a sewing machine, an overarm frame; an oil reservoir carried by the frame; a plurality of bearings on the frame; a plurality of capillary wicks, each having a portion engaging a bearing on the frame to deliver oil thereto; and means slidably carried by bearing means at the top of the frame for supporting other portions of the wicks for immersion in the oil of the reservoir, said means including a slide bar projecting above the frame and movable in said bearing means and having finger grip means at the outer end and at the inner end a perforated shelf located over and broadside to the bottom of the reservoir, said shelf being provided with means to secure the other portions of the wicks thereto to project upwardly therefrom, said slide bar and shelf moving said other wick portions



between either a deep position in said reservoir in contact with the oil, or a high position in said reservoir out of contact with the oil, and spring detent means engaging the slide bar to yieldably hold the bar in raised position.

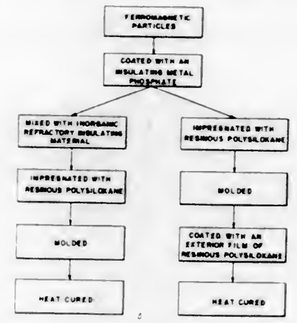
2,601,211
DISCHARGER FOR PRESSURIZED METAL BULBS
George L. Neely, Berkeley, Calif., assignor, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application July 5, 1949, Serial No. 103,031
13 Claims. (Cl. 222—5)



1. In a discharger for a pressurized bulb having a perforable closure, the body of said discharger having a cylindrical recess for receiving said bulb with perforating means for said closure within said recess, the combination comprising a rotatable cap for said discharger body having a cavity for the base of said bulb, a rotatable cam in said cap cavity, a handle for said cam for selectively rotating it to an extended bulb-discharging position and a withdrawn cam-retracted position, and a pivoted member connecting said cap and said discharger body, said member being disposed between said cap and said discharger body in a position to engage said handle when the latter is in bulb-discharging position to prevent application of said cap to said body.

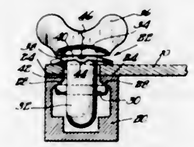
2,601,212
HEAT RESISTANT MAGNETIC CORES AND METHOD OF MAKING
Wladimir J. Polydoroff, Washington, D. C., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 9, 1948, Serial No. 59,187
8 Claims. (Cl. 18—475)

1. A magnetic core suitable for high temperature, high frequency purposes, made up of a compact mass of finely divided ferro-magnetic particles of spherical shape having an average diameter of 3–20 microns, and having an insulating coating of an insoluble metal phosphate



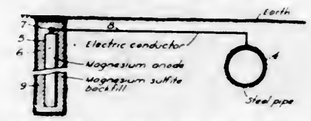
thereon; an inorganic refractory insulating material intermingled with the coated particles; and as a binder, a heat-cured resinous hydrocarbon siloxane polymer amounting to 1–6% of the weight of the metal.

2,601,213
PANEL FASTENING DEVICE
Ouglјesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application December 12, 1947, Serial No. 791,383
4 Claims. (Cl. 189—36)



1. A fastener device for securing panel sections and the like comprising in combination an elongated channel member having a pair of longitudinally disposed side walls having inwardly projecting portions at the free edges thereof providing panel abutment surfaces along the opening between the side walls of the channel member and against which a panel section is adapted to be seated, said side walls having inner surfaces each adjacent to a corresponding abutment surface and each disposed at an acute angle relative to its adjacent abutment surface and directed outwardly away from each other and providing symmetrically disposed cam surfaces, and a rotary stud member including a shank positioned in the opening between the side walls of the channel member and having a head overlying the abutment surfaces, and a pair of opposed lugs extending radially outwardly from the stud shank at a predetermined distance from said head and each lug being in engagement with a corresponding cam surface within the channel member upon rotation of the stud member for engaging a panel section between the head and the abutment surfaces of the channel member as an incident to rotation of the stud relative to said channel member.

2,601,214
CATHODIC PROTECTION OF UNDERGROUND METALS
Harold A. Robinson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application May 2, 1947, Serial No. 745,451
8 Claims. (Cl. 204—197)

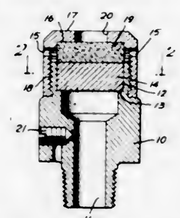


1. In combination with an underground structure of a corrodible metal cathodic to magnesium, a cathodic protection system comprising a magnesium metal anode buried in the earth near the structure and electrically connected thereto, such anode being surrounded by and in intimate contact with a bed of non-acidic solid granular material containing a major proportion of magnesium sulfite.

2,601,215
PROCESS OF PREPARING DIHYDROPTERINS
Coy W. Waller and John H. Mowat, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 17, 1948, Serial No. 15,488
1 Claim. (Cl. 260—251.5)

A process which comprises mixing together and heating under non-oxidizing conditions, 2,4,5-triamino-6-hydroxypyrimidine, alpha,beta-dibromopropionaldehyde, and para-aminobenzoylglutamic acid.

2,601,216
AUTOMATIC AIR VALVE
John H. White, Old Greenwich, Conn., and Rudolph T. Schoerner, Oaklawn, R. I., assignors to Taco Heaters, Incorporated, Providence, R. I., a corporation of New York
Application December 18, 1948, Serial No. 66,094
8 Claims. (Cl. 137—122)



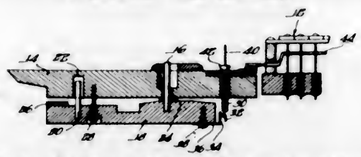
1. An automatic air vent valve for a radiator or the like, comprising a valve body, an inlet passageway in said body, an outlet passageway having a cavity therein, said cavity being connected to said inlet passageway, a water absorbent fibrous body in said cavity, said fibrous body being normally pervious to air and becoming impervious to water upon absorption of water, and a porous body in said inlet passageway, said porous body having intercommunicating pores therethrough passing air but restricting the passage of water to a rate such that absorption of water by the fibrous body will take place at substantially the same rate as said passage of water, and thus render said fibrous body impervious to water, whereby said valve will pass air and retain water.

2,601,217

MULTIPLE SPRING ANCHOR

Victor I. Zuck, Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application December 5, 1946, Serial No. 714,335
10 Claims. (Cl. 84—423)



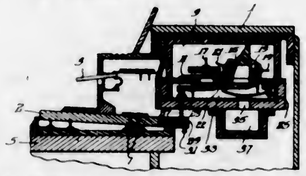
1. In an electric organ, a plurality of manually operable keys mounted for individual pivotal movement, a frame structure, an anchor strip fixed to the frame, said anchor strip having spaced anchorage means thereon, a plurality of springs respectively connected between the strip anchorage means and said keys, means for individually adjusting the tension of each spring, a plurality of switch rockers connected respectively for actuation by the keys, a second anchor strip secured to the frame, said second anchor strip being provided with spaced anchorage means thereon, and a plurality of springs respectively connected by soldered connections between the switch rockers and the anchorage means of said second strip.

2,601,218

ORGAN STOP SWITCHING CIRCUIT

Victor I. Zuck, Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application May 20, 1949, Serial No. 94,423
9 Claims. (Cl. 84—1.04)



1. In an electronic organ of the type having a plurality of wind driven reeds as tone generators, said reeds arranged in a plurality of banks, electrical cooperative generator means adjacent each of said reeds and arranged in banks, a manual, a plurality of keys in said manual, means for admitting an air blast simultaneously to a plurality of reeds in different banks in response to manipulation of one of said keys, a source of electrical potential, and means including switching means for selectively applying electrical potential to selected ones of said banks of reeds and associated cooperative generator means to provide a variable output to an electronic amplifier, whereby a plurality of tonal outputs may be produced from but a single manual.

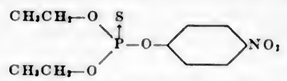
2,601,219

PROCESS OF MAKING O-ETHYL S-ETHYL O-PARA NITROPHENYL THIOPHOSPHATE

Henry L. Morrill, Clayton, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 17, 1948, Serial No. 39,379
2 Claims. (Cl. 260—461)

1. The process comprising heating O,O-diethyl-O-p-nitrophenyl thiophosphate having the formula:



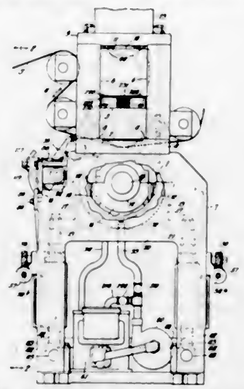
at a temperature in the range of from approximately 140° C. to approximately 180° C. for 1 to 10 hours.

2,601,220

CYLINDER ADJUSTING MECHANISM FOR ROTARY PRINTING PRESSES

Ralph R. Richardson and William H. Edmondson, Chicago, Ill., assignors to United Biscuit Company, a corporation of Delaware

Application August 20, 1945, Serial No. 611,533
16 Claims. (Cl. 101—157)



1. In a printing press, a rotatable printing roll, a normally fixed main frame, an auxiliary frame extending around said printing roll and vertically slidably mounted on said main frame, said printing roll being journalled in said auxiliary frame, means for vertically adjustably supporting said auxiliary frame and printing roll comprising four posts located respectively adjacent the corners of said auxiliary frame, means for effecting simultaneous predetermined vertical adjustment of said posts to thereby correspondingly adjust said printing roll to and from printing position, mechanism adjustable independently of said means for effecting adjustment of said posts variable, selected distances vertically to thereby adapt the auxiliary frame to support printing rolls of various diameters with their uppermost surface portions at a predetermined elevation in printing position, and means for simultaneously effecting like adjustment of said posts to the selected variable extent.

2,601,221

DISSOCIATION OF AMMONIA

Edgar F. Rosenblatt, Montclair, and Johan G. Cohn, East Orange, N. J., assignors to Baker & Co., Inc., Newark, N. J., a corporation of New Jersey

No Drawing. Application March 29, 1949, Serial No. 84,246
15 Claims. (Cl. 252—374)

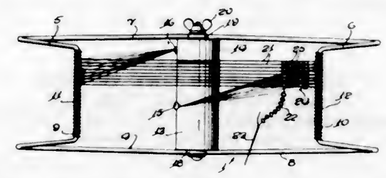
3. The method of converting ammonia into nitrogen and hydrogen, comprising passing a mixture of gaseous ammonia and an oxygen containing gas over a supported catalyst to combust some of the ammonia to nitrogen, said mixture passing over said catalyst at a temperature of at least 500° C., and over a supported catalyst to crack at least some of the remaining ammonia, utilizing the heat of the combustion reaction to supply at least part of the heat required for the cracking reaction, the concentration of oxygen in said mixture being such that oxygen is present in an amount not exceeding 75% of the ammonia.

2,601,222

TOY BEAD LOOM

Frederick Wehrli, New York, N. Y.

Application June 25, 1951, Serial No. 233,473
6 Claims. (Cl. 28—15)



6. A toy bead loom comprising a wire frame consisting of a single wire having its ends joined to form a substantially rectangular continuous loop, the ends of the loop being upwardly bent from a base portion of the loop, a series of grooves extending across each of said upwardly bent ends, a pair of upwardly extending loop bends in said wire at oppositely disposed points of said base portion, an axle extending through said loop bends, a pair of rolls of unequal length mounted on said axle, and means mounted on said axle for holding the adjacent ends of said rolls in engagement for causing rotation of one roll to rotate the other roll and for clamping said rolls to prevent rotation thereof.

DESIGNS

JUNE 17, 1952

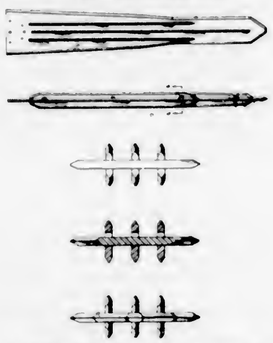
167,018
LAMP BASE OR LIKE ARTICLE
Leon A. Arditti, New York, N. Y.
Application January 24, 1952, Serial No. 18,209
Term of patent 7 years
(Cl. D48—20)





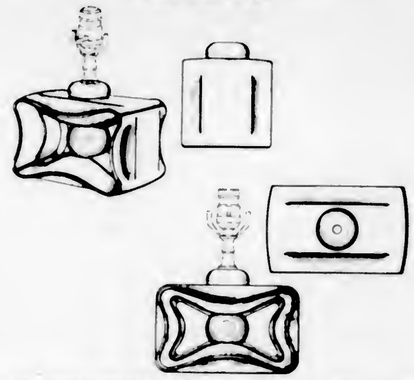
The ornamental design for a lamp base or like article, substantially as shown.

167,019
STOCKING EXAMINATION AND REPAIR FORM
Edward W. Boedeker, Fort Wayne, Ind., assignor to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware
Application September 18, 1950, Serial No. 12,243
Term of patent 14 years
(Cl. D47—5)



The ornamental design for a stocking examination and repair form, as shown.

167,020
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill., assignor to Bradley Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1952, Serial No. 19,435
Term of patent 3½ years
(Cl. D48—20)



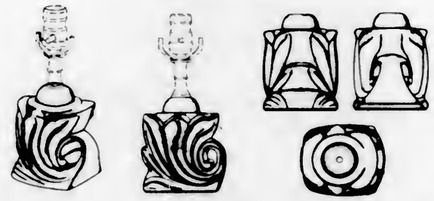
The ornamental design for an electric lamp base, substantially as shown and described.

167,021
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill., assignor to Bradley Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1952, Serial No. 19,436
Term of patent 3½ years
(Cl. D48—20)



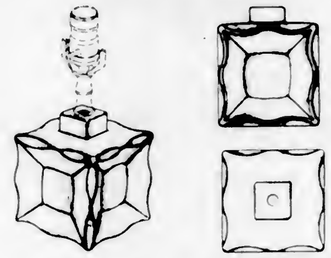
The ornamental design for an electric lamp base, substantially as shown and described.

167,022
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill., assignor to Bradley Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1952, Serial No. 19,437
Term of patent 3½ years
(Cl. D48—20)



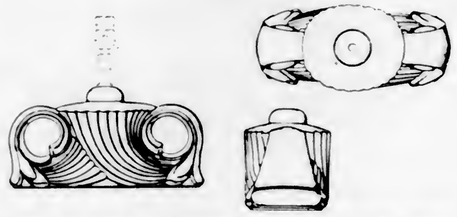
The ornamental design for an electric lamp base, substantially as shown and described.

167,023
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill., assignor to Bradley Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1952, Serial No. 19,438
Term of patent 3½ years
(Cl. D48—20)



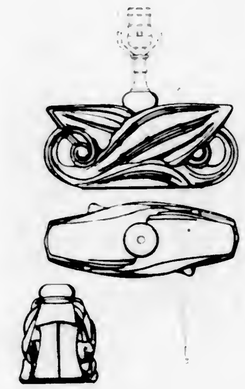
The ornamental design for an electric lamp base, substantially as shown and described.

167,024
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill., assignor to Bradley Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1952, Serial No. 19,439
Term of patent 3½ years
(Cl. D48—20)



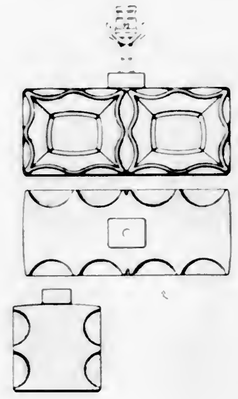
The ornamental design for an electric lamp base, substantially as shown and described.

167,025
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill., assignor to Bradley Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1952, Serial No. 19,440
Term of patent 3½ years
(Cl. D48—20)



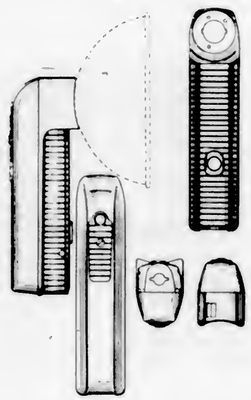
The ornamental design for an electric lamp base, substantially as shown and described.

167,026
ELECTRIC LAMP BASE
David Borowitz, Chicago, Ill., assignor to Bradley Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1952, Serial No. 19,441
Term of patent 3½ years
(Cl. D48—20)



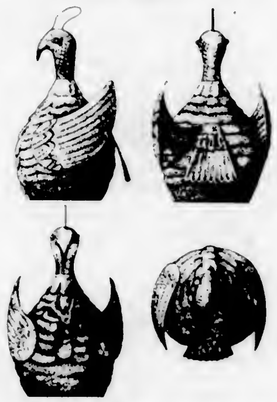
The ornamental design for an electric lamp base, substantially as shown and described.

167,027
FLASH HOLDER FOR PHOTOGRAPHIC CAMERAS
Arthur H. Crapsey, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 23, 1952, Serial No. 18,185
Term of patent 7 years
(Cl. D61—1)



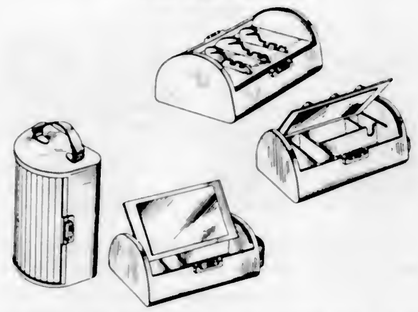
The ornamental design for a flash holder for photographic cameras, as shown and described.

167,028
BLOWER FOR FIREPLACE FIRE
William V. Dennis, Jr., Atherton, Calif., assignor to Van Art, Inc., San Francisco, Calif., a corporation of California
Application January 29, 1952, Serial No. 18,289
Term of patent 14 years
(Cl. D62—2)



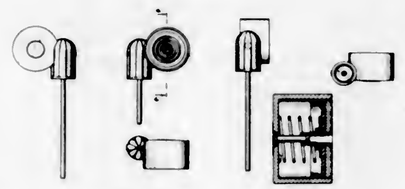
The ornamental design for a blower for fireplace fire, as shown.

167,029
TOILET CASE OR THE LIKE
Joseph P. Donahue, Niagara Falls, and Eric K. Lotthammer, Jamaica, N. Y.; said Lotthammer assignor to said Donahue
Application May 5, 1951, Serial No. 15,077
Term of patent 7 years
(Cl. D86—10)



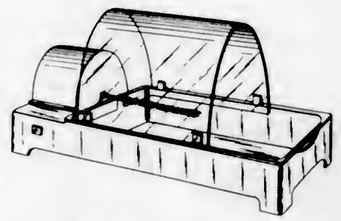
The ornamental design for a toilet case or the like, substantially as shown.

167,030
ATOMIZER HEAD
Marcel Franck, New York, N. Y.
Application June 18, 1951, Serial No. 15,596
Term of patent 7 years
(Cl. D83—1)



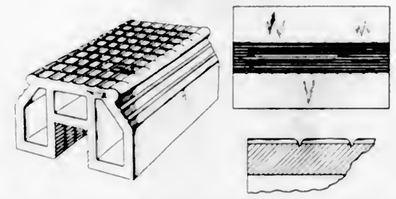
The ornamental design for an atomizer head, substantially as shown.

167,031
WASHER FOR HYPODERMIC SYRINGE OR THE LIKE
William W. Gallagher, Jr., Weston, Mass.
Application October 20, 1950, Serial No. 12,635
Term of patent 14 years
(Cl. D83—1)



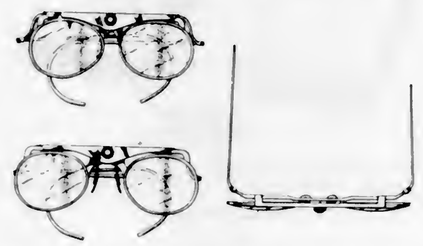
The ornamental design for a washer for hypodermic syringe or the like, as shown.

167,032
TILE BLOCK
Richard J. Galvin, Sheffield, Iowa
Application February 6, 1952, Serial No. 18,417
Term of patent 14 years
(Cl. D18—2)



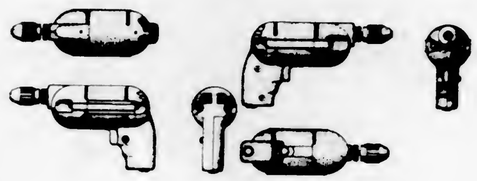
The ornamental design for a tile block, substantially as shown.

167,033
NIGHT DRIVING GLASSES
Otto W. Githens, New York, N. Y., and Wallace W. Ward, Bloomfield, N. J., assignors to Utilitron Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1951, Serial No. 14,141
Term of patent 14 years
(Cl. D57—1)



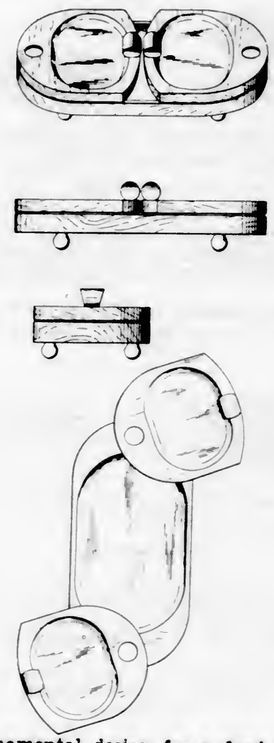
The ornamental design for night driving glasses, as shown and described.

167,034
PORTABLE ELECTRIC DRILL UNIT
Joseph Gottlieb, Jersey City, and Carl Woessner, Bloomfield, N. J.
Application February 29, 1952, Serial No. 18,727
Term of patent 7 years
(Cl. D54—14)



The ornamental design for a portable electric drill unit, substantially as shown.

167,035
FOOD TRAY WITH EXTENDIBLE WINGS
Robert B. Karoff, New York, N. Y., assignor to Novelty Utilities, Inc., New York, N. Y., a corporation of New York
Application March 1, 1952, Serial No. 18,745
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a food tray with extendible wings, as shown.

167,036
EARRING OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 25, 1952, Serial No. 18,237
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

167,037
SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 18, 1952, Serial No. 18,568
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown and described.

167,038
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 21, 1952, Serial No. 18,629
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

167,039
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 21, 1952, Serial No. 18,630
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

167,040
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 21, 1952, Serial No. 18,631
Term of patent 7 years
(Cl. D45—19)



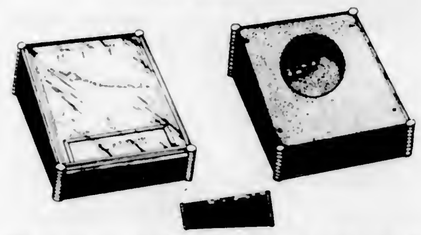
The ornamental design for a brooch or the like, substantially as shown.

167,041
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 21, 1952, Serial No. 18,632
Term of patent 7 years
(Cl. D45—19)



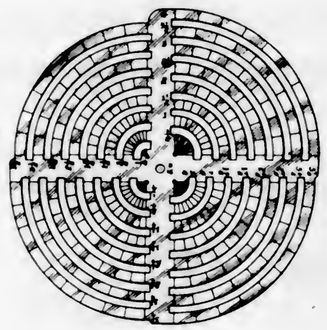
The ornamental design for a brooch or the like, substantially as shown.

167,042
CLOCKCASE OR SIMILAR ARTICLE
Samuel J. Kaufman, New York, N. Y.
Application April 2, 1952, Serial No. 19,164
Term of patent 7 years
(Cl. D42—7)



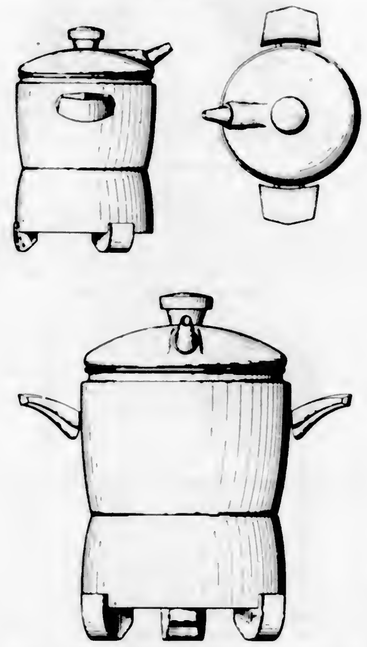
The ornamental design for a clockcase or similar article, substantially as shown and described.

167,043
DRAFTSMAN'S TEMPLATE
Glenn W. Kintz, Anchorage, Territory of Alaska
Application March 26, 1952, Serial No. 19,056
Term of patent 14 years
(Cl. D52—1)



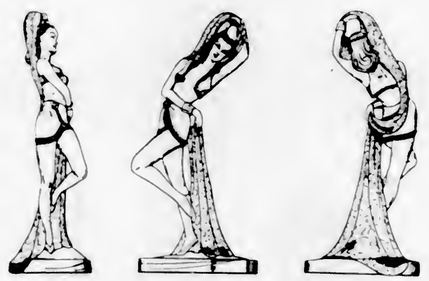
The ornamental design for a draftsman's template, as shown.

167,044
VAPORIZER
Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application August 18, 1951, Serial No. 16,371
Term of patent 14 years
(Cl. D83—1)



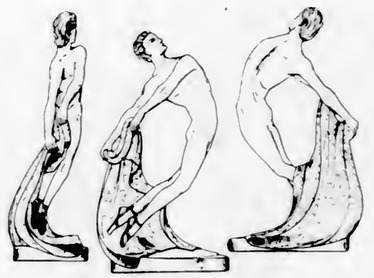
The ornamental design for a vaporizer, as shown.

167,045
FIGURINE
John W. Lindner, Milwaukee, Wis., assignor to Continental Art Company, Chicago, Ill., a partnership
Application February 14, 1952, Serial No. 18,527
Term of patent 3½ years
(Cl. D29—1)



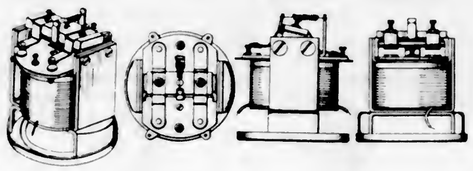
The ornamental design for a figurine, as shown.

167,046
FIGURINE
John W. Lindner, Milwaukee, Wis., assignor to Continental Art Company, Chicago, Ill., a partnership
Application February 14, 1952, Serial No. 18,528
Term of patent 3½ years
(Cl. D29—23)



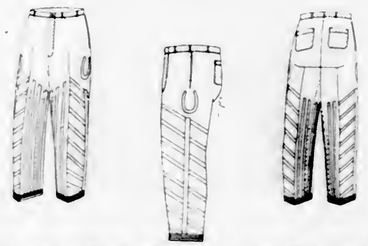
The ornamental design for a figurine, as shown.

167,047
RELAY OR SIMILAR ARTICLE
Lewis E. Massie, Los Angeles, Calif., assignor to James Goodman, Los Angeles, Calif.
Application July 9, 1951, Serial No. 15,792
Term of patent 14 years
(Cl. D26—13)



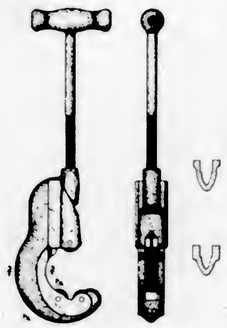
The ornamental design for a relay or similar article, as shown.

167,048
TROUSERS OR SIMILAR ARTICLE
William B. Murphy, Crandall, Tex.
Application February 13, 1952, Serial No. 18,503
Term of patent 14 years
(Cl. D3—17)



The ornamental design for trousers or similar article, substantially as shown and described.

167,049
PIPE CUTTER
Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application March 7, 1952, Serial No. 18,812
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a pipe cutter, as shown.

167,050
EARRING OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 19, 1952, Serial No. 18,581
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or the like, substantially as shown.

167,051
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 19, 1952, Serial No. 18,582
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

167,052
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 19, 1952, Serial No. 18,583
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

167,053
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 19, 1952, Serial No. 18,584
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

167,054
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 19, 1952, Serial No. 18,585
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

167,055
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 21, 1952, Serial No. 18,616
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

167,056
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 21, 1952, Serial No. 18,617
Term of patent 7 years
(Cl. D45—19)



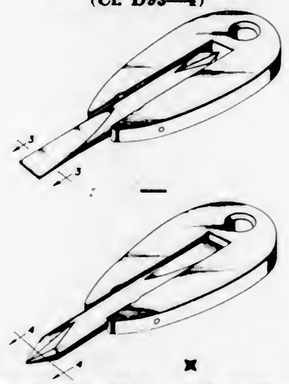
The ornamental design for a brooch or the like, substantially as shown.

167,057
BROOCH OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 21, 1952, Serial No. 18,618
Term of patent 7 years
(Cl. D45—19)



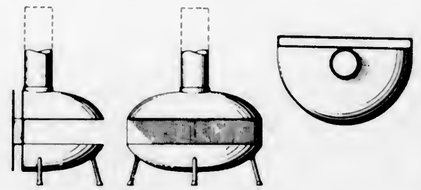
The ornamental design for a brooch or the like, substantially as shown.

167,058
SCREW DRIVER
Thomas L. Rhodes, Council Bluffs, Iowa
Application February 11, 1952, Serial No. 18,462
Term of patent 7 years
(Cl. D93—4)



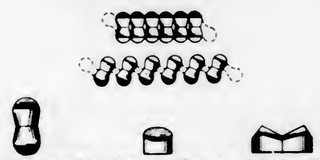
The ornamental design for a screw driver, as shown.

167,059
FREESTANDING FIREPLACE
Gerald M. Richards, San Francisco, Calif.
Application September 15, 1951, Serial No. 16,648
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a freestanding fireplace, as shown.

167,060
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application November 3, 1951, Serial No. 17,262
Term of patent 7 years
(Cl. D45—4)



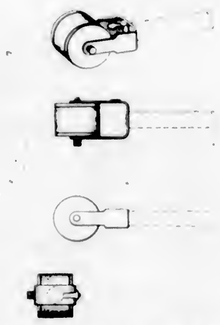
The ornamental design for an expansible link chain for a bracelet or the like, as shown and described.

167,061
VEHICLE SPLASH GUARD
Albert Schwartz, Philadelphia, Pa., assignor to Globe Rubber Products Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 23, 1951, Serial No. 17,075
Term of patent 14 years
(Cl. D14—6)



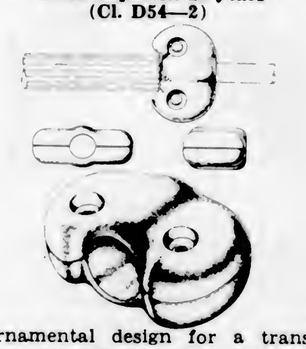
The ornamental design for a vehicle splash guard as shown, and described.

167,062
TYPE CLEANING DEVICE FOR TYPEWRITERS
Paul R. Touney, Toledo, Ohio
Application June 12, 1951, Serial No. 15,506
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a type cleaning device for typewriters, substantially as shown and described.

167,063
TRANSMISSION LINE ARMOR ROD END CLAMP
Samuel Warnock, Seattle, Wash., assignor to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application January 25, 1952, Serial No. 18,211
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a transmission line armor rod end clamp, as shown and described.

Official Gazette

UNITED STATES PATENT OFFICE

Containing the Patents, Trade-Marks, & Designs issued

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Reissues	3	No. 23,513	to No.	23,515,	inclusive
Plant Patents	3	No. 1,107	to No.	1,109,	inclusive
Patents	456	No. 2,601,223	to No.	2,601,678,	inclusive
Designs	65	No. 167,064	to No.	167,128,	inclusive
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Patents expiring: Patent Numbers 2,005,718 to 2,006,331, inclusive, issued June 25, 1935, expire June 25, 1952

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Air Associates, Inc., Teterboro, N. J. Electric motors, solenoids, radio receivers, etc. Serial No. 585,734, June 24. Class 21.

Allied Chemical & Dye Corporation, New York, N. Y. Miticides. Serial No. 619,001, June 24. Class 6.

American Air Filter Company, Inc., Louisville, Ky. Rolls of air filter cloth. Serial No. 610,659, June 24. Class 42.

American Brake Shoe Company, New York, N. Y. Coil shields, magnetic drums, metal filler bars, etc. Serial No. 617,475, June 24. Class 21.

American Carbon Paper Mfg. Company, Ennis, Tex. Carbon paper and typewriter ribbons. Serial No. 611,397, June 24. Class 11.

American Cyanamid Company, New York, N. Y. Sedative. Serial No. 620,833, June 24. Class 18.

American Cystoscope Makers, Inc., New York, N. Y. Preparation to be taken internally for the purpose of serving as an X-ray contrast medium. Serial No. 611,012, June 24. Class 18.

American Fabrics Company, The, Bridgeport, Conn. Laces, embroideries, and narrow woven fabrics. Serial No. 595,929, June 24. Class 40.

American Optical Company, Southbridge, Mass. Electrical heating core and shell. Serial No. 603,350, June 24. Class 21.

American Prismatic Glasses Incorporated, Boston, Mass. Prismatic spectacles. Serial No. 622,795, June 24. Class 26.

American Slicing Machine Company, Chicago, Ill. Meat slicing machines. Serial No. 620,134, June 24. Class 23.

American Slicing Machine Company, Chicago, Ill. Sheet metal knives. Serial No. 620,135, June 24. Class 23.

Anderson, Clayton & Co., Houston, Tex. Vitamin mixes. Serial No. 602,483, June 24. Class 18.

Anderson, Clayton & Co., Houston, Tex. Infants' blankets. Serial Nos. 625,232–5, June 24. Class 42.

Anderson, Clayton & Co., Houston, Tex. Infants' blankets. Serial Nos. 625,244–5, June 24. Class 42.

Anspat Co., Fallbrook, Calif. Animal training paddles. Serial No. 603,428, June 24. Class 3.

Appliance Manufacturing Company, Alliance, Ohio. Home laundry appliances. Serial No. 597,485, June 24. Class 24.

Archer Productions, Inc., New York, N. Y. Advertising services. Serial No. 597,376, June 24. Class 101.

Armour and Company, Chicago, Ill. Hams, bacon, and sausage. Serial No. 529,853, June 24. Class 46.

Armour and Company, Chicago, Ill. Sole leather. Serial No. 585,905, June 24. Class 1.

Armstrong Cork Company, Lancaster, Pa. Felt base floor covering. Serial No. 621,352, June 24. Class 20.

Associated Dry Goods Corporation: *See*—
Hengerer, William, Company, The.

Associated Manufacturers Company, Inc., San Francisco, Calif. Stainless steel table ware. Serial No. 621,438, June 24. Class 23.

Asten-Hill Mfg. Co., Philadelphia, Pa. Felts for paper machinery, felts for fabric processing machinery, etc. Serial Nos. 560,597–8, June 24. Class 50.

Babbitt's Cut Rate Stores, Inc., Washington, D. C. Vitamin capsules. Serial No. 604,137, June 24. Class 18.

Baker Castor Oil Company, The, Jersey City, N. J. Wax-like material. Serial No. 611,064, June 24. Class 6.

Barker Bros. Corporation, Los Angeles, Calif. Upholstered furniture. Serial No. 610,817, June 24. Class 32.

Barron's Publishing Company, Inc., New York, N. Y. Section of a weekly publication. Serial No. 555,365, June 24. Class 38.

Barton, Duer & Koch Paper Company, The, Baltimore, Md. Printing paper and correspondence envelopes. Serial No. 620,952, June 24. Class 37.

Baur, O. P., Confectionery Company, The, Denver, Colo. Mint flavored candies. Serial No. 550,892, June 24. Class 46.

Belk's Buying Service, Inc., Charlotte, N. C. Boys' wearing apparel. Serial No. 615,150, June 24. Class 39.

Bell and Thorne, Inc., Newark, N. J. Laxative. Serial No. 606,848, June 24. Class 18.

Belmont Clothes, Inc., Baltimore, Md. Men's and young men's suits, trousers, slacks, etc. Serial No. 621,050, June 24. Class 39.

Bender & Ogan, Akron, Ohio. Sportsman's handle type fish landing net. Serial No. 609,626, June 24. Class 22.

Bengue Inc., Union City, N. J. Medicinal preparation. Serial No. 584,962, June 24. Class 18.

Bloom Bros Bag Co., Boston, Mass. Ladies' shoulder bags, handbags, club bags, etc. Serial No. 617,140, June 24. Class 3.

Blue Jay Food Products Co., Inc., Brooklyn, N. Y. Cookies. Serial No. 618,479, June 24. Class 46.

Blye, John, Incorporated, New York, N. Y. Clothing and haberdashery. Serial No. 597,577, June 24. Class 39.

Bohl, Frank E., Crystal Lake, Ill. Medicinal compound. Serial No. 617,010, June 24. Class 18.

Boyle Leather Goods Co., Inc., New York, N. Y. Handbags, pocketbooks, portfolios, etc. Serial No. 610,736, June 24. Class 3.

Bozeman Canning Co.: *See*—
Pictsweet Foods, Inc.

Bradson Company, The, North Hollywood, Calif. Garden hose attachment. Serial No. 596,325, June 24. Class 23.

Brock Candy Company, Chattanooga, Tenn. Marshmallows. Serial No. 623,125, June 24. Class 46.

Broslus, Edgar E., Company Inc., Pittsburgh, Pa., now by change of name Salem-Broslus, Inc. Engineering services. Serial No. 583,327, June 24. Class 100.

Burlington Mills Corporation, assignee: *See*—
National Mallinson Fabrics Corporation.

Buxbaum Company, The, Canton, Ohio. Tire and tube repair patches. Serial No. 614,336, June 24. Class 35.

Cactus Jack Enterprises, Oakland, Calif. Entertainment services. Serial No. 611,755, June 24. Class 107.

Cadence Lingerie Co.: *See*—
Newark Slip Contracting Co., Inc.

Catophrene Limited, London, England. Two-piece suits, three-piece suits, jackets, etc. Serial No. 594,022, June 24. Class 39.

Chapman Chemical Company, Memphis, Tenn. Water repellent wood preservative. Serial No. 624,930, June 24. Class 6.

Charles, Charlotte, Inc., Evanston, Ill. Confections in the nature of cookies. Serial No. 608,342, June 24. Class 46.

Chisholm & Co., Glasgow, Scotland. Scotch whiskey. Serial No. 619,602, June 24. Class 49.

Ciba Limited, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Adrenal cortical hormone preparation. Serial No. 607,943, June 24. Class 18.

Ciba Limited, Basel, Switzerland. Pharmaceutical preparations. Serial No. 609,962, June 24. Class 18.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Ciba Limited.

Clayton, Walter E., doing business under the name The Poly-Yarn Co., San Francisco, Calif. Polishes. Serial No. 541,567, June 24. Class 4.

Cleary, W. A., Corporation, New Brunswick, N. J. Chemical composition. Serial No. 625,194, June 24. Class 6.

Coast Industries: *See*—
Irwin, Nels.

Comfort Pillow & Feather Company, Somerville and Boston, Mass. Pillows. Serial No. 617,837, June 24. Class 32.

Commercial Solvents Corporation, New York, N. Y. Vitamin concentrates. Serial No. 616,899, June 24. Class 18.

Commonwealth Color & Chemical Company, New York, N. Y. Cationic softening agents. Serial No. 625,257, June 24. Class 6.

Compagnie Pan-Europeenne d' Installations et d'Equipement Industriels, S. A. R. L., Paris (Seine), France. Gas generators, regenerators, coke ovens and devolatilization chambers. Serial No. 592,549, June 24. Class 34.

Congoleum-Nairn, Inc., Kearny, N. J. Flexible floor and wall coverings. Serial No. 621,950, June 24. Class 20.

Conservas Cerqueira, Limitada, Vigo, Spain. Canned fish. Serial No. 594,694, June 24. Class 46.

Consolidated Iron-Steel Mfg. Co., The, Cleveland, Ohio. Hot plates. Serial No. 613,585, June 24. Class 34.

Consolidated Royal Chemical Corporation, Chicago, Ill. Pharmaceutical preparation. Serial No. 605,251, June 24. Class 18.

Container Corporation of America, Chicago, Ill. Fibreboard and corrugated-board boxes, and shipping cartons. Serial No. 611,641, June 24. Class 2.

Crowley, Henry L., & Company, Inc., West Orange, N. J. Metallic oxide powder. Serial No. 617,747, June 24. Class 6.

Curtis, John W., Topeka, Kans. Multiple vitamins and skin ointment. Serial No. 616,700, June 24. Class 18.

D-Con Company, Inc., Chicago, Ill. Rodenticides. Serial No. 621,757, June 24. Class 6.

Dairy Belle Foods, Inc., Chicago, Ill. Spray process nonfat dry milk solids, roller process nonfat dry milk solids and spray whole milk powder. Serial No. 578,574, June 24. Class 46.

d'Alton, William, Paris, France. Flints. Serial No. 616,660, June 24. Class 8.

Danbury Rubber Company, Inc., The, Danbury, Conn. Rubber tire recapping or retreading stock and tire repair material. Serial No. 606,000, June 24. Class 35.

Da Val Manufacturing Company, Kansas City, Mo. Men's, women's and children's outer shirts. Serial No. 602,751, June 24. Class 39.

De Degetau, Maria P. N., trading as Productos Marpe, San Luis Potosi, S. L. P., Mexico. Mole, a Mexican dish consisting of red pepper and seasoning; etc. Serial No. 607,435, June 24. Class 46.

Demuth, R., Limited, Farnham, England. Solid eau de cologne. Serial No. 603,610, June 24. Class 51.

Diamond Alkali Company, Cleveland, Ohio. Chromic acid. Serial No. 614,653, June 24. Class 6.

Doniger, David D., & Co, Inc., New York, N. Y. Men's and boys' wearing apparel. Serial No. 621,454, June 24. Class 39.

E-Z Playing Card Co., Quincy, Mass. Playing cards. Serial No. 617,110, June 24. Class 22.

Eagle Clothes, Inc., New York, N. Y. Men's clothing. Serial No. 604,960, June 24. Class 39.

Eaton Laboratories, Inc., assignee: *See*—
Norwich Pharmacal Company, The.

Egry Register Company, The, Dayton, Ohio. Mechanical device adapted for attachment to typewriters. Serial No. 602,312, June 24. Class 23.

Eisentrager, Russell C., Philadelphia, Pa., trading under the name Monogram Products Co. Sectional refractory furnace casings. Serial No. 570,839, June 24. Class 34.

Electronic Creations Co, Inc., New York, N. Y. Electric phonograph record players and combination radio-phonograph sets. Serial No. 620,308, June 24. Class 21.

Emmental Cheese Corporation, New York, N. Y. Cheese. Serial Nos. 617,955–6, June 24. Class 46.

Enro Shirt Company, The, Louisville, Ky. Men's dress, negligee, and sport shirts, pajamas, and shorts. Serial No. 592,619, June 24. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's dress, negligee, and sport shirts, and pajamas. Serial No. 611,949, June 24. Class 39.

Essex Wire Corporation, Detroit, Mich. Flexible code type high voltage electrical power transmission cables. Serial No. 577,953, June 24. Class 21.

Ezee Flow Corporation, Chicago, Ill., by change of name from Power Production Company. Power driven fertilizer spreaders and seeders. Serial No. 577,067, June 24. Class 23.

Exee Flow Corporation, Chicago, Ill. Depth placement fertilizer and seeder machines. Serial No. 612,492, June 24. Class 23.

Färberei Schlieren A.-G., Zurich and Schlieren, Switzerland. Imitation leather, impregnated fabrics resembling imitation leather, and tarpaulins. Serial No. 614,642, June 24. Class 50.

Federal Nut Co, Inc., New York, N. Y. Shelled nuts. Serial No. 544,658, June 24. Class 46.

Federated Supply Corporation, New York, N. Y. Smokers' pipes, cigarette holders, cigar holders, etc. Serial No. 618,492, June 24. Class 8.

Felix Fabrieken N. V. The Hague, Netherlands. Cat and dog food. Serial No. 607,422, June 24. Class 46.

Ferro Chemical Corporation, Bedford, Ohio. Fungicides. Serial No. 610,546, June 24. Class 6.

Firman Leather Goods Corp., New York, N. Y. Suitcases, overnight cases, pullman cases, etc. Serial No. 603,919, June 24. Class 3.

Fischer Industries, Inc., Cincinnati, Ohio. Rinsing and cleaning solvent. Serial No. 603,226, June 24. Class 52.

Flicek, Dorothy, Industries, Inc., Chicago, Ill. Kits containing thread, yarn, textile and other materials. Serial No. 621,205, June 24. Class 40.

Flint, Eaton and Company, Decatur, Ill. Topical local anesthetic. Serial No. 581,654, June 24. Class 18.

Forsyth, John, and Company: *See*—
Forsyth, John W.

Forsyth, John W., doing business under the firm name and style of John Forsyth and Company, Glasgow, Scotland. Umbrellas, parasols, and parts of fittings for all such goods. Serial No. 608,154, June 24. Class 41.

Forvil: *See*—
Parfums Forvil & Dentifrices du Docteur Pierre Reunis, Societe Anonyme.

Foster, Edson P., Manitowoc, Wis. Sporting apparatus. Serial No. 601,666, June 24. Class 22.

Freeman, H., & Son, Inc., Philadelphia, Pa. Men's suits, trousers, sport coats, etc. Serial No. 620,411, June 24. Class 39.

Garden Foundations, Inc., New York, N. Y. Brassières, garter belts, girdles, and waist cinchers. Serial No. 617,189, June 24. Class 39.

Geigy Company, Inc., New York, N. Y. Expectorant and preparation for coughs. Serial No. 605,155, June 24. Class 18.

General American Transportation Corporation, Chicago, Ill. Children's folding toilet seats. Serial No. 592,900, June 24. Class 13.

General Tire & Rubber Company, The, Akron, Ohio. Aerial practice bombs. Serial No. 615,382, June 24. Class 9.

General Tire & Rubber Company, The, Akron, Ohio. Sponge rubber carpet cushions. Serial No. 619,936, June 24. Class 50.

Gerson, Sam, Co., Philadelphia, Pa. Men's suits, coats and overcoats. Serial No. 602,612, June 24. Class 39.

Gilmore, Arthur, Inc., New York, N. Y. Trunks, suit cases, wardrobe cases, etc. Serial No. 574,579, June 24. Class 3.

Ginger Mint Julep Company, Baltimore, Md. Maltless soft drink and syrup concentrates. Serial No. 542,462, June 24. Class 45.

Glass Fibers, Inc., Waterville, Ohio. Glass wool. Serial No. 613,326, June 24. Class 1.

Glover, H. Clay, Co., Inc., New York, N. Y. Medicines for dogs, cats and foxes. Serial No. 610,901, June 24. Class 18.

Goetze, Albert F., Incorporated, Baltimore, Md. Meat products. Serial No. 541,667, June 24. Class 46.

Golden Girl Frocks, Inc., New York, N. Y. Children's and girls' dresses. Serial No. 623,275, June 24. Class 39.

Goodman, H., & Sons, Inc., Jersey City, N. J., and New York, N. Y. Combs. Serial No. 620,669, June 24. Class 40.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Outboard motors. Serial No. 612,538, June 24. Class 23.

Gordon, Samuel, & Co., Oklahoma City, Okla. Finger rings and mountings therefor. Serial No. 614,248, June 24. Class 28.

Grainger, W. W., Inc., Chicago, Ill. Blowers, exhaust fans, air conditioners, etc. Serial No. 616,664, June 24. Class 34.

Grand Duchess Steaks, Inc., Akron, Ohio. Frozen raw beef steaks. Serial No. 600,332, June 24. Class 46.

Grand Union Company, The, New York, N. Y. Bakery products. Serial No. 604,778, June 24. Class 46.

Green, Samuel, of California, Los Angeles, Calif. Maternity clothing. Serial No. 615,316, June 24. Class 39.

Greenebaum, M. H., Inc., New York, N. Y. Hams and bacon. Serial No. 593,223, June 24. Class 46.

Gretz, William, Brewing Co., Philadelphia, Pa. Beer. Serial No. 570,702, June 24. Class 48.

Haas Miller Corporation, Philadelphia, Pa. Wetting agent. Serial No. 625,599, June 24. Class 6.

Hamilton Metal Products Company, The, Hamilton, Ohio. Insulated, portable bucket. Serial No. 612,611, June 24. Class 2.

Hammond Ice Cream Co., Inc., Malden, Mass. Frozen confections. Serial No. 622,436, June 24. Class 46.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory mixture. Serial No. 605,856, June 24. Class 12.

Hart, Earle, Woodworking Machine Co., Chicago, Ill. Woodworking machinery. Serial No. 563,337, June 24. Class 23.

Hat Corporation of America, Norwalk, Conn. Hats and caps. Serial No. 621,314, June 24. Class 39.

Haydon Products Corporation, Brooklyn, N. Y. Insulating jackets for boiler. Serial No. 612,690, June 24. Class 12.

Haynes Stellite Company, assignor to Union Carbide and Carbon Corporation, New York, N. Y. Metal alloys, metal alloy welding rods, hard-facing rods, etc. Serial No. 586,534, June 24. Class 14.

Hengerer, William, Company, The, Buffalo, N. Y., now by merger and change of name Associated Dry Goods Corporation. Girls' apparel. Serial No. 567,785, June 24. Class 39.

Hercules Powder Company, Wilmington, Del. Finely ground, heavy metal salt-casein composition. Serial No. 616,291, June 24. Class 6.

Hettrick Manufacturing Company, The, Toledo, Ohio. Hunting coats and trousers. Serial No. 613,670, June 24. Class 39.

Heublein, G. F., & Bro., Inc., Hartford, Conn. Vodka. Serial No. 618,038, June 24. Class 49.

Hillyard Chemical Company, St. Joseph, Mo. Self-polishing liquid wax. Serial No. 565,053, June 24. Class 4.

Holmes, Archibald, & Son, Philadelphia, Pa. Wilton, Axminster, and velvet carpets and rugs. Serial No. 623,415, June 24. Class 42.

Holmes, Archibald, & Son, Philadelphia, Pa. Wilton, Axminster, and velvet carpets and rugs. Serial No. 624,234, June 24. Class 42.

Holmes, Archibald, & Son, Philadelphia, Pa. Wilton, Axminster, and velvet carpets and rugs. Serial Nos. 624,411–12, June 24. Class 42.

Honig, Jack L., Inc., New York, N. Y. Children's dresses. Serial No. 586,243, June 24. Class 39.

Hortex Manufacturing Co., Inc., El Paso, Tex. Boys' dungarees. Serial No. 614,505, June 24. Class 39.

Hortex Manufacturing Co., Inc., El Paso, Tex. Boys' slacks, overalls, and denim dungarees. Serial No. 615,932, June 24. Class 39.

House of Nine, The, Los Angeles, Calif. Women's ready-to-wear. Serial No. 594,715, June 24. Class 39.

Houston Packing Company, Houston, Tex. Bacon. Serial No. 616,823, June 24. Class 46.

Hughes, E. Griffiths, Limited, Manchester, England. Medicinal preparations. Serial No. 606,424, June 24. Class 18.

Hygiene Research, Inc., New York, N. Y. Protective cream for application and rubbing into the hands. Serial No. 610,560, June 24. Class 51.

Imperial Chemical Industries Limited, London and Millbank, London, S. W. 1., England. Chemical substances. Serial No. 594,785, June 24. Class 18.

Irwin, Nels, doing business as Coast Industries, Los Angeles, Calif. Kits containing flocculent material, adhesive, and applicator gun. Serial No. 572,251, June 24. Class 50.

Istituto Nazionale per il Commercio Estero, Rome, Italy. Chestnuts; dried fruits, canned fruits and fruits preserved in brine, etc. Serial No. 560,896, June 24. Class 46.

Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electric motors, electric engine starters, electric generators, etc. Serial No. 617,401, June 24. Class 21.

Jackson-Mitchell Pharmaceuticals, Inc., Los Angeles, Calif. Multivitamin preparation. Serial No. 615,326, June 24. Class 18.

Jeffers Electronics, Inc., Dubois, Pa. Capacitors. Serial No. 618,743, June 24. Class 21.

Jones, Sterling, Laboratories, doing business as R. A. Myers & Company, St. Paul, Minn. Powdered, flaked, and paste wax, and self-polishing liquid wax. Serial No. 562,641, June 24. Class 4.

Kahn, Julian S., doing business as "Wink" Needle Threader Company, Brooklyn, N. Y. Needle threaders. Serial No. 621,670, June 24. Class 40.

Kalart Company Inc., The, Stamford, Conn. Synchronizers for photographic purposes, parts of synchronizers, etc. Serial No. 510,785, June 24. Class 26.

Kegan Laboratory, Inc., Englewood, N. J. Extract used as a medicine tonic. Serial No. 603,931, June 24. Class 18.

Kingsland Saw Works, Inc., Kingsland, Ga. Saws. Serial No. 590,315, June 24. Class 23.

Kingston Pencil Corporation, Chattanooga, Tenn. Yardsticks and rulers. Serial No. 622,545, June 24. Class 26.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 591,934, June 24. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Waist band devices. Serial No. 611,060, June 24. Class 40.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 612,051, June 24. Class 40.

Knotty Pine Food Products, Centerville, Iowa. Condensed burnt sugar syrup. Serial No. 623,310, June 24. Class 46.

Knudsen Creamery Co. of California, Los Angeles, Calif. Dairy products. Serial No. 611,430, June 24. Class 46.

Knudsen Creamery Co. of California, Los Angeles, Calif. Dairy products. Serial No. 611,435, June 24. Class 46.

Krupp, Paul, Co., Inc., New York, N. Y. Men's outer shirts. Serial No. 607,084, June 24. Class 39.

Lakeside Laboratories, Inc., Milwaukee, Wis. Tablet medication. Serial No. 621,152, June 24. Class 18.

Lancaster Chemical Corporation: *See*—
Lancaster Processes, Inc.

Lancaster Processes, Inc., New York, N. Y., now by change of name Lancaster Chemical Corporation. Asphalt additives. Serial No. 586,921, June 24. Class 12.

Lebanon Shirt Co., Inc., New York, N. Y. Men's sport and dress shirts, women's negligees and skirts, etc. Serial No. 612,264, June 24. Class 39.

Lectrolite Corporation, Defiance, Ohio. Box wrenches, combination box and open end wrenches, etc. Serial No. 612,403, June 24. Class 23.

Lee, Frank H., Company, The, Danbury, Conn. Men's and boys' hats and caps. Serial No. 619,205, June 24. Class 39.

Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. Serial No. 593,129, June 24. Class 35.

Leonard's Hardware: *See*—
Sherman, Leonard.

Lily Mills Company, Shelby, N. C. Cotton yarn, crochet and knitting yarn, etc. Serial No. 621,153, June 24. Class 43.

Lindsey, Ernest E., Los Angeles, Calif. Prepared doughnut mix. Serial No. 605,862, June 24. Class 46.

Littles Shoe Store, Pittsburgh, Pa. Men's and boys' shoes. Serial No. 618,588, June 24. Class 39.

Lufkin Rule Company, The, Saginaw, Mich. Tape measurers and chain tapes. Serial No. 622,750, June 24. Class 26.

M & R Dietetic Laboratories, Inc., doing business as Ten-B-Low Company, Columbus, Ohio. Dried and powdered cows' milk cream. Serial No. 624,344, June 24. Class 46.

Malhame Sewing Company, Milford, Pa. Articles of religious clothing. Serial No. 617,449, June 24. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. Serial No. 621,890, June 24. Class 39.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's and boys' dress and sport shirts. Serial No. 621,776, June 24. Class 39.

Marsha Kay Originals, Edinburg, Tex. Children's dresses. Serial No. 613,074, June 24. Class 39.

Maurer, John C., San Jose, Calif. Sodium hypochlorite. Serial No. 601,225, June 24. Class 6.

McGee & Willig, St. Paul, Minn. Device for winding decorative ribbon into hanks. Serial No. 614,887, June 24. Class 40.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Hats and hat bodies. Serial No. 525,649, June 24. Class 39.

Metalcraft, Inc., Mason City, Iowa. Adhesive backed marking plates. Serial No. 610,753, June 24. Class 50.

Meyer, N. S., Inc., New York, N. Y. Campaign ribbon bars. Serial No. 565,644, June 24. Class 50.

Miller Food Products Company, Inc., Sturgeon Bay, Wis. Canned fruits, jellies, jams, etc. Serial No. 541,868, June 24. Class 46.

Mira-Flex Watchband Corporation, New York, N. Y. Wrist watch bracelets. Serial No. 617,883, June 24. Class 28.

Miracle Bait Co., The: *See*—
Stovall, Aubrey M.

Mitchell Manufacturing Company, Chicago, Ill. Air dehumidifying units. Serial No. 596,174, June 24. Class 34.

Monogram Products Co.: *See*—
Eisentrager, Russell C.

Moritt, I. J., Corporation, New York, N. Y. Sewing machines. Serial No. 621,280, June 24. Class 23.

Mother's Cake & Cookie Co., Oakland, Calif. Cookies, crackers, cake. Serial No. 555,287, June 24. Class 46.

Mutation Mink Breeders Association, Elkhorn, Wis. Fur garments. Serial No. 595,613, June 24. Class 39.

Myers, R. A., & Company: *See*—
Jones, Sterling, Laboratories.

Mylan Manufacturing Co., Inc., New York, N. Y. Men's and boys' outer shirts. Serial No. 584,369, June 24. Class 39.

N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Colloidal solutions of natural vitamins in water for vitaminizing milk and other dairy products. Serial No. 617,052, June 24. Class 18.

N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Vitamin preparations. Serial No. 617,054, June 24. Class 18.

National Dairy Products Corporation, New York, N. Y. Whipped cream mixture. Serial No. 617,998, June 24. Class 46.

National Electric Products Corporation, Pittsburgh, Pa. Thin-wall rigid metallic conduit. Serial No. 613,721, June 24. Class 21.

National Electric Products Corporation, Pittsburgh, Pa. Bushings used for armored electric conductors or cables. Serial No. 613,724, June 24. Class 21.

National Electric Products Corporation, Pittsburgh, Pa. Wires and cables. Serial No. 613,726, June 24. Class 21.

National Mallinson Fabrics Corporation, New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C. Fabrics in the piece. Serial No. 625,432, June 24. Class 42.

National Research Corporation, Cambridge, Mass. Vacuum diffusion pump fluids. Serial No. 612,028, June 24. Class 6.

Newark Slip Contracting Co., Inc., also doing business under the trade name of Cadence Lingerie Co., Newark, N. J. Women's apparel. Serial No. 622,674, June 24. Class 39.

Nordac Limited, Uxbridge, England. Power driven pumps. Serial No. 609,982, June 24. Class 23.

Northern Metal Products Company, Chicago, Ill. Fabrication of ferrous and non-ferrous metal products. Serial No. 609,412, June 24. Class 106.

Norwich Pharmacal Company, The, assignor to Eaton Laboratories, Inc., Norwich, N. Y. Cough syrup. Serial No. 607,392, June 24. Class 18.

Nuodex Products Co., Inc., Elizabeth, N. J. Driers for paints, varnishes, enamels and linoleum coating compositions. Serial No. 576,876–80, June 24. Class 16.

Nutrition Products, Inc., Cleveland, Ohio. Concentrated vitamin animal feed supplement. Serial No. 581,141, June 24. Class 18.

O'Connell Brothers, Inc., Overland and St. Louis, Mo. Sodium pentobarbital. Serial No. 607,511, June 24. Class 18.

One Hour Valet, Inc., Jacksonville, Fla. Laundry and dry cleaning. Serial No. 612,469, June 24. Class 103.

Organon Inc., Orange, N. J. Medicinal hormone preparation. Serial No. 608,175, June 24. Class 18.

Organon Inc., Orange, N. J. Medicinal hormone preparation. Serial No. 620,855, June 24. Class 18.

Pakistan Medicine Company: *See*—
Ullah, Azid.

Palmer Manufacturing Corp., Phoenix, Ariz. Centrifugal pump. Serial No. 557,205, June 24. Class 23.

Parfums Forvil & Dentifrices du Docteur Pierre Reunis, Societe, Anonyme, doing business as Forvil, Nanterre, France. Perfumes, perfume extracts, toilet water, etc. Serial No. 610,987, June 24. Class 51.

Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and pen and pencil desk sets. Serial No. 621,837, June 24. Class 37.

Patek Brothers, Inc., Milwaukee, Wis. Interior and exterior paints, calcimines, paint and baking enamels, etc. Serial No. 530,677, June 24. Class 16.

Patek Brothers, Inc., Milwaukee, Wis. Paint. Serial No. 531,824, June 24. Class 16.

Patent Button Company, The, Waterbury, Conn. Buttons. Serial No. 620,394, June 24. Class 40.

Patent Button Company, The, Waterbury, Conn. Buttons. Serial No. 620,434, June 24. Class 40.

Pecheries Conserveries les Voiles Blanches, Agadir, French Morocco. Canned fish. Serial No. 616,866, June 24. Class 46.

Peerless Steel Equipment Company, Philadelphia, Pa. Steel office furniture. Serial No. 621,574, June 24. Class 32.

Pennsylvania Grocers Association, Philadelphia, Pa. Advertising, promoting, extending and maintaining distribution of products of subscribing manufacturers. Seral No. 576,980, June 24. Class 101.

Penny, John, & Sons, Limited, Ramea, Newfoundland. Fresh frozen, smoked frozen, salted and canned whole fish and parts thereof, etc. Serial No. 581,285, June 24. Class 46.

Penny, John, & Sons, Limited, Ramea, Newfoundland. Fresh frozen and smoked frozen whole fish and parts thereof, etc. Serial No. 581,286, June 24. Class 46.

Platt Products Corporation, Lansing, Mich. Oil-fired water heaters. Serial No. 611,806, June 24. Class 34.

Pictsweet Foods, Inc., sometimes doing business under the trade style Bozeman Canning Co., Mount Vernon, Wash. Canned peas. Serial No. 613,682, June 24. Class 46.

Pioneer Rubber Company, The, Willard, Ohio. Children's gloves and mittens. Serial No. 618,758, June 24. Class 39.

Plastikon-Western, Inc., San Francisco, Calif. Liquid plastic surface sealer. Serial No. 553,014, June 24. Class 16.

Poly-Varn Co., The: *See*—
Clayton, Walter E.

Porter-Cable Machine Company, The, Syracuse, N. Y. Portable hand manipulable electric power operated tools. Serial No. 592,516, June 24. Class 21.

Power Production Company: *See*—
Ezee Flow Corporation.

Powers Chemco, Inc., Glen Cove, N. Y. Artists' brushes, Chinese re-etching brushes, glass fibre re-etching brushes, etc. Serial No. 617,160, June 24. Class 29.

Precision Devices, Inc., New York, N. Y. Bolt anchors. Serial No. 621,285, June 24. Class 13.

Preco Incorporated, Los Angeles, Calif. Back rip scarifiers. Serial No. 610,228, June 24. Class 23.

Princess Pat, Ltd., Chicago, Ill. Cream used for cleansing the skin. Serial No. 603,163, June 24. Class 51.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. Serial No. 591,654, June 24. Class 52.

Productos Marpe: *See*—
De Degetau, Maria P. N.

Radiator Specialty Company, Charlotte, N. C. Closet bowl setting seal rings. Serial No. 611,976, June 24. Class 35.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Research Laboratories Center, Inc., New York, N. Y. Therapeutic product. Serial No. 610,585, June 24. Class 18.

Richie, Robert Yarnall Productions, Inc., New York, N. Y. Preparation of scripts and production of moving pictures therefrom. Serial No. 564,289, June 24. Class 107.

Riddell Products Limited, London, England. Asthma inhalant. Serial No. 588,810, June 24. Class 18.

Rilling Company, New York, N. Y., now by change of name The Rilling-Dermetics Company. Hair shampoo. Serial No. 602,068, June 24. Class 52.

Rilling-Dermetics Company, The: *See*—
Rilling Company.

Ritter Company, Inc., Rochester, N. Y. Electric water heaters and transformers. Serial No. 619,362, June 24. Class 21.

Roberts Co., The, Los Angeles, Calif. Carpet anchoring device. Serial No. 595,094, June 24. Class 13.

Rockingham Poultry Marketing Co-Operative, Inc., Broadway, Va. Fresh dressed poultry and frozen poultry. Serial No. 618,817, June 24. Class 46.

Ronley Floating Blanket Co., New York, N. Y. Baby's crib cover. Serial No. 623,316, June 24. Class 42.

Roosevelt Savings Bank of the City of New York, Brooklyn, N. Y. Toy portable savings bank. Serial No. 616,387, June 24. Class 22.

Ruppert, Jacob, New York, N. Y. Beer. Serial No. 611,860, June 24. Class 48.

Salem-Brosius, Inc.: *See*—
Brosius, Edgar E., Company Inc.

Salvato, Charles, & Co., Brooklyn, N. Y. Men's naval uniforms. Serial No. 617,556, June 24. Class 39.

Scherer, R. P., Corporation, Detroit, Mich. Capsulated vitamin preparations. Serial No. 595,986, June 24. Class 18.

Schering Corporation, Bloomfield, N. J. Combination of pure crystalline hormones. Serial No. 611,372, June 24. Class 18.

Schneible, Claude B., Company, Detroit, Mich. Dewatering tanks. Serial No. 548,535, June 24. Class 2.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. Serial No. 582,398, June 24. Class 39.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 621,582, June 24. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Rectal suppository. Serial No. 609,207, June 24. Class 18.

Shedd-Bartush Foods, Inc., Detroit, Mich. Oleomargarine. Serial No. 587,913, June 24. Class 46.

Shell Chemical Corporation, New York, N Y. Anhydrous ammonia. Serial No. 623,479, June 24. Class 6.

Shellmar Products Corporation, Chicago, Ill. Wrapping material. Serial No. 577,148, June 24. Class 37.

Sherman, Leonard, trading under the name Leonard's Hardware, Philadelphia, Pa. Television receiving sets and parts thereof. Serial No. 585,955, June 24. Class 21.

Shirley Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 625,299, June 24. Class 42.

Shirley Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 625,371, June 24. Class 42.

Shirma Boyswear Mfg. Co., Inc., Mount Vernon, N. Y. Boys' clothing. Serial No. 624,307, June 24. Class 39.

Sigma Chi Fraternity, Evanston, Ill. Stimulation and maintenance of interest in college and fraternal affairs. Serial No. 596,528, June 24. Class 100.

Signal Publications, Huntington Park, Calif. Newspaper. Serial No. 619,683, June 24. Class 38.

Simon-Zucker Co., The, New York, N. Y. Men's, women's, and children's shirts and blouses. Serial No. 613,787, June 24. Class 39.

Simon-Zucker Co., The, New York, N. Y. Men's, women's, and children's jackets and coats. Serial No. 613,788, June 24. Class 39.

Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface floor covering. Serial No. 620,555, June 24. Class 20.

Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Hard surface floor covering. Serial No. 620,557, June 24. Class 20.

Societe des Accumulateurs Fixes & de Traction (Societe Anonyme), Romainville (Seine), France. Primary and secondary batteries. Serial No. 610,106, June 24. Class 21.

Solar Aircraft Company, San Diego, Calif. Ceramic coated exhaust structures for internal combustion engines. Serial No. 620,474, June 24. Class 23.

Solar Aircraft Company, San Diego, Calif. Ceramic coated exhaust structures for internal combustion engines. Serial No. 620,975, June 24. Class 23.

Sovereign Plan, Inc., The, Chicago, Ill. Services in connection with the promotion and sale of automobile service bonds. Serial Nos. 587,828–9, June 24. Class 101.

Speidel Corporation, Providence, R. I. Watch bracelets. Serial No. 617,820, June 24. Class 28.

Spiral Fastener Corporation, Stamford, Conn. Spiral fasteners. Serial No. 612,420, June 24. Class 13.

Sponge Rubber Products Company, The, Shelton, Conn. Empty portable buckets. Serial No. 589,812, June 24. Class 2.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparation. Serial No. 610,387, June 24. Class 18.

Standardized Products Company, Chicago, Ill. Cabinets and structural cabinet parts. Serial No. 567,889, June 24. Class 32.

Stardust, Incorporated, Poughkeepsie and New York, N. Y. Slips, girdles, garter belts, and baby pants. Serial No. 616,517, June 24. Class 39.

Starr-Allen Professional Studios, New York, N. Y. Rendering entertainment service. Serial No. 613,028, June 24. Class 107.

Stensgaard, W. L., and Associates, Inc., Chicago, Ill. Display devices. Serial No. 612,836, June 24. Class 50.

Stiebel, Theodor, Holzminden (Weser), Germany. Electrical apparatus. Serial No. 604,507, June 24. Class 21.

Stovall, Aubrey M., doing business as The Miracle Bait Co., Dallas, Tex. Fish bait. Serial No. 611,932, June 24. Class 22.

Stuart Company, The, Pasadena, Calif. Carboxy methyl cellulose. Serial No. 599,989, June 24. Class 18.

Stylofede Corporation, Glendale, Calif. Hand knitting needles. Serial No. 562,283, June 24. Class 40.

Suchar Engineering & Sales Company, New York, N. Y. Rotary-leaf pressure filters. Serial No. 573,601, June 24. Class 31.

Superior Brands, Inc., New York, N. Y. Product containing processed cereal, wheat flour, cereal gum fractions, etc. Serial No. 576,668, June 24. Class 46.

Supply Manufacturing Co. Inc., New York, N. Y. Belting in the nature of findings. Serial No. 575,608, June 24. Class 40.

Swan Pencil Company, Inc., New York, N. Y. Pencils. Serial No. 624,110, June 24. Class 37.

Swiss-American Importing Co., St. Louis, Mo. Cheese, herring in wine sauce, mushroom caps, etc. Serial No. 577,500, June 24. Class 46.

Taylor, John W., Packing Company, Inc., Hallwood, Va. Canned vegetables. Serial No. 534,693, June 24. Class 46.

Tek Bearing Co., Inc., Bridgeport, Conn. Ball and roller bearings. Serial No. 602,126, June 24. Class 23.

Telecoin Corporation, New York, N. Y. Television receiving sets. Serial No. 599,906, June 24. Class 21.

Tele-Tray Corporation, Cleveland, Ohio. Cradle telephone accessory. Serial No. 579,951, June 24. Class 21.

Ten-B-Low Company: *See*—
M & R Dietetic Laboratories, Inc.

Texize Chemicals, Inc., Greenville, S. C. Starch and disinfectant preparation, warp sizing compound. Serial No. 611,729, June 24. Class 6.

Thomas, S. B., Inc., Long Island City, N. Y. Muffins and bread. Serial No. 623,487, June 24. Class 46.

Tiedemann & McMorran, Inc., San Francisco, Calif. Canned fruits, canned vegetables, canned soups, etc. Serial No. 605,565, June 24. Class 46.

Towaley, Inc., Indianapolis, Ind. Kit containing laundry equipment. Serial No. 590,242, June 24. Class 50.

Trenton Shirt Manufacturing Co., Trenton, N. J. Work shirts, flannel shirts, sport shirts, etc. Serial No. 612,424, June 24. Class 39.

Ullah, Azid, doing business as Pakistan Medicine Company, Gary, Ind. Medicinal preparations. Serial No. 620,832, June 24. Class 18.

Union Carbide and Carbon Corporation, assignee: *See*—
Haynes Stellite Company.

Union Carbide and Carbon Corporation, New York, N. Y. Magazine. Serial No. 609,264, June 24. Class 38.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 617,826, June 24. Class 18.

V S B Mfg. Co., Brooklyn, N. Y. Steel wool pads with soap incorporated therein. Serial No. 610,036, June 24. Class 4.

Vale Chemical Company, Inc., The, Allentown, Pa. Capsule and liquid preparation. Serial No. 604,113, June 24. Class 18.

Verney Corporation, Manchester, N. H. Piece goods. Serial No. 610,247, June 24. Class 42.

Vimco Macaroni Products Company, Carnegie, Pa. Macaroni. Serial No. 609,425, June 24. Class 46.

Walker, Edwin F., doing business as Whip-It Company, Dallas, Tex. Electrically operated lawn edging machines. Serial No. 611,159, June 24. Class 23.

Watts Regulator Co., Lawrence, Mass. Pressure regulator safety devices. Serial No. 565,985, June 24. Class 13.

Wearever Shirt Co., Inc., New York, N. Y. Dress shirts, flannel shirts, sport shirts, etc. Serial No. 611,330, June 24. Class 39.

Webster Company, Inc., Scranton, Pa. Men's and boys' trousers and slacks. Serial No. 621,093, June 24. Class 39.

Weinberg, Louis, Associates Inc., New York, N. Y. Fur felt and velour hats and hat bodies. Serial No. 605,183, June 24. Class 39.

Weiss & Klau Co., The, New York, N. Y. Latex coated cloth. Serial No. 608,134, June 24. Class 42.

West Laboratories, Inc., Long Island City, N. Y. Antiseptic preparation. Serial No. 613,546, June 24. Class 18.

Whip-It Company: *See*—
Walker, Edwin F.

Whiting-Adams Company, Inc., Boston, Mass. Brushes. Serial No. 603,907, June 24. Class 29.

Whitney, F. A., Carriage Company, Leominster, Mass. Clothes hampers. Serial No. 620,449, June 24. Class 2.

Wilbur-Ellis Company, San Francisco, Calif. Frozen fresh shrimp. Serial No. 612,048, June 24. Class 46.

Wilkins & Sons Limited, Tiptree, Essex, England. Fruit conserves, jams, marmalades, etc. Serial No. 589,353, June 24. Class 46.

Williams, Thomas G., Tampa, Fla. Musical game. Serial No. 609,268, June 24. Class 22.

"Wink" Needle Threader Company: *See*—
Kahn, Julian S.

Woolworth, F. W., Co., New York, N. Y. Floor and linoleum varnish, spar varnish, exterior house paint, etc. Serial No. 605,000, June 24. Class 16.

Wright & McGill Co., Denver, Colo. Fishing rods. Serial No. 621,294, June 24. Class 22.

Wyner, I. A., & Co., Inc., New York, N. Y. Men's, women's and children's wearing apparel. Serial No. 611,930, June 24. Class 39.

Xenoteck, Inc., Van Nuys, Calif. Preparations for use in overcoming the craving for tobacco. Serial No. 621,189, June 24. Class 18.

Zion Industries, Inc., Zion, Ill. Candy, bakers' confections, and prepared frozen pastry dough. Serial No. 570,348, June 24. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A. Boake, Roberts & Company Limited, London, England. Concentrated powdered flavourings. 560,345, June 24; Serial No. 549,878, published Mar. 25, 1952. Class 46.

Ace Art Company, Reading, Mass. Corner mounts for photographs. 295,372, renewed June 28, 1952. O. G. June 24. Class 37.

Ace Art Company, Reading, Mass. Corner mounts for photographs. 296,057, renewed July 19, 1952. O. G. June 24. Class 37.

Ace Fastener Corporation, Chicago, Ill. Hand-operated stapling machines. 560,425, June 24; Serial No. 596,380, published Feb. 26, 1952. Class 23.

Adelcia, St. Peterburg, Fla. Earrings. 560,476, June 24; Serial No. 604,510, published Feb. 26, 1952. Class 28.

Advance Colors, Inc., St. Petersburg, Fla. Combination dye and cleaner. 560,521, June 24; Serial No. 609,995, published Mar. 11, 1952. Class 52.

Aerofin Corporation, assignee: *See*—
Carrier Manufacturing Corporation.

Air Force Association, Washington, D. C. Jewelry, medals, badges, buckles, etc. 560,575, June 24; Serial No. 613,661, published Feb. 12, 1952. Class 28.

Aktiebolaget Bofors, Bofors, Sweden. Crystalline chemical preparations. 560,447, June 24; Serial No. 600,937, published Apr. 8, 1952. Class 6.

Aldens, Inc., Chicago, Ill. Bicycles. 560,534, June 24; Serial No. 611,008, published Oct. 30, 1951. Class 19.

Alexander, Edward G., Columbia, S. C. Cream deodorant. 560,538, June 24; Serial No. 611,209, published Mar. 11, 1952. Class 51.

Alkydol Laboratories, Inc., Chicago, Ill. Plasticizers. 560,466, June 24; Serial No. 602,817, published Mar. 11, 1952. Class 6.

Alliance Color & Chemical Company, Newark, N. J. Stabilized azoic dyestuffs. 560,638, June 24; Serial No. 619,733, published Apr. 8, 1952. Class 6.

Alliance Manufacturing Company, The, Alliance, Ohio. Antenna rotators. 560,377, June 24; Serial No. 580,915, published May 15, 1951. Class 21.

Allis, Charles S., Wichita, Kans. Restaurant services. 560,644, June 24; Serial No. 609,350, published Apr. 8, 1952. Class 100.

All-Weather Aluminum Awnings, Inc., Silver Hill, Md., and Washington, D. C. Rigid metal awnings. 560,388, June 24; Serial No. 584,476, published Mar. 25, 1952. Class 12.

Alpina Union Horlogère, A. G., Biel, Switzerland. Watches and parts thereof. 560,579, June 24; Serial No. 613,893, published Feb. 12, 1952. Class 27.

Alprodco, Inc., Mineral Wells, Tex. Farm and ranch gates, stockyard gates, lawn, ornamental and industrial gates, etc. 560,484, June 24; Serial No. 605,289, published Mar. 18, 1952. Class 12.

Alrose Chemical Company, Cranston, R. I. Surface active agent and detergent. 560,485, June 24; Serial No. 605,395, published Apr. 1, 1952. Class 52.

Alsop Engineering Corporation, Millidale, Conn. Liquid filters, filter discs, and parts thereof. 560,503, June 24; Serial No. 607,475, published Feb. 26, 1952. Class 31.

American Alcolac Corporation, New York, N. Y. Detergents. 560,372, June 24; Serial No. 580,167, published Mar. 25, 1952. Class 52.

American Car and Foundry Company, New York, N. Y. Locomotives and structural parts thereof. 560,380, June 24; Serial No. 581,633, published Mar. 11, 1952. Class 23.

American Felt Company, New York, N. Y., to American Felt Company, Glenville, Conn. Wool felt. 297,043, renewed Aug. 30, 1952. O. G. June 24. Class 50.

American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Rope, cord, and twine. 560,670, June 24; Serial No. 599,802. Class 7.

American Manufacturing Concern, Inc., Falconer, N. Y. Toys. 560,453, June 24; Serial No. 601,402, published Apr. 1, 1952. Class 22.

American Mat Corporation, Toledo, Ohio. Protective and cushioning mats and rugs. 560,471, June 24; Serial No. 604,177, published Feb. 26, 1952. Class 50.

Ames Company, Inc., Elkhart, Ind. Medicines and pharmaceutical preparations. 560,583, June 24; Serial No. 614,417, published Jan. 22, 1952. Class 18.

Amigo Associates, Houston, Tex. Medicinal preparation. 560,585, June 24; Serial No. 614,480, published Jan. 22, 1952. Class 18.

Amole, Incorporated, Tipp City, Ohio. Hand cream, hand lotion, cleansing cream, etc. 560,469, June 24; Serial No. 603,720, published Mar. 11, 1952. Class 51.

Amston Silver Co., Inc., Meriden, Conn. Silver flatware. 560,573, June 24; Serial No. 613,153, published Feb. 12, 1952. Class 28.

Anc-Co Preserving Co., by The Bama Company, Birmingham, Ala. Mayonnaise, peanut butter, and fruit in sugar. 219,358, Oct. 19, 1926. Republished June 24. Class 46.

Anchor Coupling Company, Inc., Libertyville, Ill. Fabric reinforced hose. 560,510, June 24; Serial No. 608,262, published Apr. 8, 1952. Class 35.

Ansco Company, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Photographic developing-paper. 86,265, re-renewed Apr. 30, 1952. O. G. June 24. Class 26.

Archer Rubber Company, Milford, Mass. Rubber or rubberized raincoats. 560,352, June 24; Serial No. 565,098, published Mar. 25, 1952. Class 39.

Armour and Company, Chicago, Ill. Bacon. 560,339, June 24; Serial No. 531,421, published Apr. 1, 1952. Class 46.

Armstrong Rubber Company, The, West Haven, Conn. Pneumatic tire casings. 560,404, June 24; Serial No. 592,065, published Mar. 18, 1952. Class 35.

Armstrong Rubber Company, The, West Haven, Conn. Pneumatic tire casings. 560,406, June 24; Serial No. 592,245, published Mar. 25, 1952. Class 3o.

Arrowsmith Manufacturing Company, New York, N. Y., to Arrowsmith Mfg. Co., Inc., Chicago, Ill. Corn, callous, and bunion pads. 295,049, renewed June 14, 1952. O. G. June 24. Class 44.

Arrowsmith Mfg. Co., Inc.: *See*—
Arrowsmith Manufacturing Company.

Ashaway Line & Twine Mfg. Co., Ashaway, R. I. Strings for tennis rackets, etc. 560,483, June 24; Serial No. 605,133, published Apr. 1, 1952. Clss 22.

Atkins & Durbrow, Inc., New York, N. Y. Fertilizers. 560,029, June 24; Serial No. 618,279, published Apr. 1, 1952. Class 10.

Atlantic Clothing Co., Inc., New York, N. Y. Men's and boys' suits, topcoats, overcoats, etc. 560,630, June 24; Serial No. 618,282, published Mar. 25, 1952. Class 39.

Atlantic Refining Company, The, Philadelphia, Pa. Lubricating oil. 560,587, June 24; Serial No. 614,608, published Apr. 1, 1952. Class 15.

Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Coating or lining material. 560,399, June 24; Serial No. 589,243, published Mar. 25, 1952. Class 12.

Automatic Pump & Softener Corporation, assignee: *See*—
Water Treaters, Inc.

Automatic Steam Products Corp., New York, N. Y. External water filter unit. 560,558, June 24; Serial No. 612,431, published Apr. 1, 1952. Class 31.

Alpha Omicron Pi, State College, Pa., to Alpha Omicron Pi, Oxford, Ohio. Fraternity badges, lapel buttons; scarf, lapel and breast pins; etc. 293,869, renewed May 10, 1952. O. G. June 24. Class 28.

Bama Company, The: *See*—
Anc-Co Preserving Co.

Bamfords Limited, Uttoxeter, England. Reaping machines, hay-making machinery, hay and grass collecting machinery, etc. 560,378, June 24; Serial No. 580,971, published Mar. 4, 1952. Class 23.

Baxter Laboratories, Inc., Glenview, Ill. Apparatus for use in the transfusion of blood and parenteral liquids. 365,142, Feb. 21, 1939. Canceled Apr. 18, 1952. O. G. June 24. Class 44.

Baxter Laboratories, Inc., Glenview, Ill. Apparatus for use in the transfusion of blood, etc. 383,660, Dec. 17, 1940. Canceled Apr. 17, 1952. O. G. June 24. Class 44.

Baxter Laboratories, Inc., Glenview, Ill. Apparatus for use in the transfusion of blood, and the preparation of the liquid constituents thereof, etc. 391,581, Nov. 18, 1941. Canceled Apr. 17, 1952. O. G. June 24. Class 44.

Baxter Laboratories, Inc., Glenview, Ill. Solutions containing vitamins or constituents thereof and solutions for parenteral therapy. 400,680, Mar. 23, 1943. Canceled Apr. 17, 1952. O. G. June 24. Class 18. (Formerly in Class 6.)

Beltx Corporation, St. Louis, Mo. Sanitary napkins. 293,000, renewed Apr. 5, 1952. O. G. June 24. Class 44.

Bendel, Henri, Inc., New York, N. Y. Shoe bags. 560,684, June 24; Serial No. 617,082. Class 2.

Benrus Watch Company, Inc., New York, N. Y. Watches. 560,559, June 24; Serial No. 612,529, published Feb. 12, 1952. Class 27.

Bernardo Moreday y Deben, Habana, Cuba, to Corral, Wodiska Y Ca., Tampa, Fla. Cigars. 88,169, renewed Sept. 3, 1952. O. G. June 24. Class 17.

Berrie, Nathan, & Sons, New York, N. Y. Jewelry findings, neck chains and jewelry chains. 560,556, June 24; Serial No. 612,297, published Mar. 4, 1952. Class 28.

Best Made Silk Hosiery Company, Quakertown, Pa. Ladies' hosiery. 560,392, June 24; Serial No. 587,705, published Apr. 1, 1952. Class 39.

Binney & Smith Company, New York, N. Y. Adhesive paste. 296,868, renewed Aug. 23, 1952. O. G. June 24. Class 5.

Bio-Cam Products, Inc., Chicago, Ill. Ointment. 560,588, June 24; Serial No. 614,611, published Apr. 1, 1952. Class 18.

Bisberg, Joseph H., New York, N. Y. Ladies' and misses' slips, nightgowns, etc. 405,068, Jan. 4, 1944. Canceled May 19, 1952. O. G. June 24. Class 39.

Black Panther Tool Company, Philadelphia, Pa. Wax. 560,596, June 24; Serial No. 615,679, published Mar. 25, 1952. Class 4.

Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece. 295,011, renewed June 14, 1952. O. G. June 24. Class 42.

Bobst, J., & Fils S. A., Prilly-Lausanne, Switzerland. Machines for the paper and cardboard box industry. 560,685, June 24; Serial No. 622,989. Class 23.

Boone, Philip, Winchester, Mass. Unmounted synthetic stones. 560,490, June 24; Serial No. 605,985, published Mar. 4, 1952. Class 28.

Borg-Warner Corporation, Chicago, Ill. Carburetors. 560,349, June 24; Serial No. 535,798, published Jan. 15, 1952. Class 23.

Bott, Leo P., Jr., Chicago, Ill. Advertising and sales promotion services. 560,643, June 24; Serial No. 608,490, published Apr. 1, 1952. Class 101.

Bragg, Paul C.: *See*—
Live Food Products Co.

Bright, Bertha R., New York, N. Y. Luggage. 335,338, June 2, 1936. Canceled Apr. 17, 1952. O. G. June 24. Class 3.

Brinkerhoff, H. E., and Sons Transportation Co., Harrisburg, Pa. Moving, transfer, and storage of all types of household and office furniture and equipment. 560,648, June 24; Serial No. 615,151, published Apr. 1, 1952. Class 105.

Bristol-Myers Company, New York, N. Y. Toothpaste. 560,337, June 24; Serial No. 515,744, published Mar. 4, 1952. Class 51.

British Kipper Exporters, Limited, Edinburgh, Scotland. Fresh frozen kippered herring. 560,479, June 24; Serial No. 604,559, published Feb. 26, 1952. Class 46.

Brown, Clarence S., & Co., Inc., New York, N. Y. Woven, netted and knitted fabrics in the piece. 382,366, Oct. 22, 1950. Canceled May 19, 1952. O. G. June 24. Class 42.

Brunswig Drug Company, Los Angeles, Calif. Toilet lanolin. 416,858, Oct. 2, 1945. Restricted. O. G. June 24. Class 51. (Formerly in Class 6.)

Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 560,555, June 24; Serial No. 612,240, published Apr. 1, 1952. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 560,613, June 24; Serial No. 617,076, published Apr. 1, 1952. Class 39.

Byron Weston Company, Dalton, Mass. Ledger and bond paper. 293,696, May 3, 1932. Republished June 24. Class 37.

Byron Weston Company, Dalton, Mass. Ledger and bond paper. 293,760, May 3, 1932. Republished June 24. Class 37.

Calgon, Incorporated, Pittsburgh, Pa. Chemical compound. 560,460, June 24; Serial No. 602,304, published Apr. 8, 1952. Class 6.

Calgon, Incorporated, Pittsburgh, Pa. Regenerating salt. 560,639, June 24; Serial No. 622,325, published Apr. 8, 1952. Class 6.

Caprice of Hollywood, Los Angeles, Calif. Brassières. 560,633, June 24; Serial No. 618,882, published Apr. 1, 1952. Class 39.

Carborundum Company, The, Niagara Falls, N. Y. Abrasive grains, sheet material coated with abrasive grains, etc. 560,549, June 24; Serial No. 611,827, published Apr. 1, 1952. Class 4.

Carlough, Howard R.: *See*—
Goldstein, Bernard J.

Carlough, Howard R., doing business as The Safety Fire Extinguisher Co., New York, N. Y. Fire buckets. 284,676, renewed July 7, 1951. O. G. June 24. Class 2.

Carmac Coal Company, Chicago, Ill. Coal. 560,500–1. June 24; Serial Nos. 607,116–17, published Mar. 11, 1952. Class 1.

Carrier Manufacturing Corporation, Newark, N. J., assignor to Aerofin Corporation, by Aerofin Corporation, Syracuse, N. Y. Heating, cooling and air conditioning units. 296,732, Aug. 16, 1932. Republished June 24. Class 34.

Chatham, Carroll F., doing business as Chatham Research Laboratories, San Francisco, Calif. Unmounted gems. 560,523, June 24; Serial No. 610,163, published Mar. 4, 1952. Class 28.

Chatham Research Laboratories: *See*—
Chatham, Carroll F.

Chemical Manufacturing & Distributing Company, Easton, Pa. Insecticides disinfectants, deodorants, etc. 444,698, June 24; Serial No. 487,353, published Jan. 29, 1952. Class 52.

Chicago Bridge & Iron Company, Chicago, Ill. Diaphragms of nylon fabric material coated with rubber. 560,446 June 24; Serial No. 600,462, published Mar. 4, 1952. Class 35.

Chicago & Southern Air Lines, Inc., Memphis, Tenn. Air transportation. 560,649, June 24; Serial No. 615,155, published Apr. 1, 1952. Class 105.

Ciba Limited, Basel, Switzerland. Coal tar colors. 517,926, Nov. 22, 1949. Canceled May 5, 1952. O. G. June 24. Class 6.

Ciba Limited, Basel, Switzerland. Ganglionic blocking agents. 560 589, June 24; Serial No. 614,618, published Jan. 22, 1952. Class 18.

Clark Cleveland, Incorporated, Binghamton, N. Y. Laxative or intestinal regulator. 500,326, May 11, 1948. Canceled Apr. 9, 1952. O. G. June 24. Class 18. (Formerly in Class 6.)

Clover Manufacturing Company, The, Norwalk, Conn. Abrasive compounds, coated abrasive materials, etc. 560,516, June 24; Serial No. 609,435, published Mar. 18, 1952. Class 4.

Coahoma Chemical Co., Inc., Clarksdale, Miss., and Beacon, N. Y. Fertilizers and soil treatment preparations. 560,591, June 24; Serial No. 615,011, published Apr. 1, 1952. Class 10.

Cochran, Jacqueline, Inc., New York, N. Y. Perfume, cologne, skin lotion, etc. 560,531, June 24; Serial No. 610,780, published Mar. 11, 1952. Class 51.

Coe Laboratories, Inc., Chicago, Ill. Dental prostheses. 377,919, May 21, 1940. Canceled May 16, 1952. O. G. June 24. Class 44.

Coe Laboratories, Inc., Chicago, Ill. Dental prostheses. 407,734, June 20, 1944. Canceled May 21, 1952. O. G. June 24. Class 44.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 297,204, renewed Sept. 6, 1952. O. G. June 24. Class 52.

Colonial Works, Boonton, N. J., to Colonial Works, Brooklyn, N. Y. Paints, putty, varnishes, etc. 38,841, re-renewed Aug. 26, 1952. O. G. June 24. Class 12.

Columbian Rope Company, Auburn, N. Y. Manila and sisal rope and cordage. 86,755, re-renewed May 28, 1952. O. G. June 24. Class 7.

Columbian Steel Tank Company, Kansas City, Mo. Hog feeders; portable hog waterers, and portable stock fountains. 560,370, June 24; Serial No. 578,377, published Feb. 26, 1952. Class 50.

Commercial Solvents Corporation, New York, N. Y. Penicillin salt. 560,582, June 24; Serial No. 613,973, published Feb. 19, 1952. Class 18.

Compco Corporation, Chicago, Ill. Cameras. 560,682, June 24; Serial No. 614,539. Class 26.

Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Electric sewing machine motors. 560,533, June 24; Serial No. 610,893, published Mar. 4, 1952. Class 21.

Cook, Oscar T., Sr., Kansas City, Mo. Bread. 560,606, June 24; Serial No. 616,223, published Feb. 19, 1952. Class 46.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical capacitors. 560,407, June 24; Serial No. 592,310, published Mar. 4, 1952. Class 21.

Corral, Wodiska Y Ca.: *See*—
Bernardo Moreday y Deben.

Cory Corporation, assignee: *See*—
Kilsby, Perry, Inc.

Coty, Inc., New York, N. Y. Body lotion. 560,496, June 24; Serial No. 606,855, published Mar. 11, 1952. Class 51.

Craft, Irene F., Ridgewood, N. J. Perfumes. 560,400, June 24; Serial No. 590,649, published Mar. 11, 1952. Class 51.

Crawford Watch Corporation, New York, N. Y. Watches. 560,477, June 24; Serial No. 604,520, published Feb. 26, 1952. Class 27.

Crown Togs Sportswear Co., New York, N. Y. Men's, boys' and children's outer garments. 560,628, June 24; Serial No. 618,268, published Mar. 25, 1952. Class 39.

Curtis, Helene, Industries, Inc., Chicago, Ill. Cold permanent hair waving solution, and hair dressing. 560,443, June 24; Serial No. 599,817, published Mar. 11, 1952. Class 51.

Cutlery Corporation, Bridgeport, Conn. Shears and scissors. 560,375, June 24; Serial No. 580,467, published Mar. 4, 1952. Class 23.

Dana Perfumes, Inc., Chicago, assignor to N. J. Phelps, Palatine, Ill. Lipstick. 560,563–5, June 24; Serial Nos. 612,948–50, published Mar. 25, 1952. Class 51.

Dana Perfumes, Inc., Chicago, assignor to N. J. Phelps, Palatine, Ill. Lipstick. 560,566, June 24; Serial No. 612,953, published Mar. 25, 1952. Class 51.

Dana Perfumes, Inc., Chicago, assignor to N. J. Phelps, Palatine, Ill. Lipstick. 560,567, June 24; Serial No. 612,956, published Mar. 25, 1952. Class 51.

Dana Perfumes, Inc., Chicago, Ill., assignor to Les Parfums de Dana, Inc., New York, N. Y. Lipstick. 560,568, June 24; Serial No. 612,957, published Mar. 25, 1952. Class 51.

Dana Perfumes, Inc., Chicago, assignor to N. J. Phelps, Palatine, Ill. Lipstick. 560,569, June 24; Serial No. 612,958, published Mar. 25, 1952. Class 51.

Dana Perfumes, Inc., Chicago, assignor to N. J. Phelps, Palatine, Ill. Lipstick. 560,570, June 24; Serial No. 612,960, published Mar. 25, 1952. Class 51.

Daybrook Hydraulic Corporation, The, Bowling Green, Ohio. Hydraulically operated combined load-lifting and lowering platform and tail-gate assemblies for vehicles. 560,671, June 24; Serial No. 600,258. Class 23. Serial No. 600,258. Class 23.

Day's Tailor-D Clothing, Inc., Tacoma, Wash. Trousers, suits, knickers, breeches, etc. 560,497, June 24; Serial No. 606,858, published Mar. 25, 1952. Class 39.

Dayton Rubber Company, The, Dayton, Ohio. Vehicle tires. 560,428, June 24; Serial No. 597,256, published Mar. 25, 1952. Class 35.

Dearborn Motors Corporation, Birmingham, Mich. Combination tachometer and hour meter. 560,430, June 24; Serial No. 597,817, published Mar. 4, 1952. Class 26.

Del-O Company, St. Paul, Minn. Analgesic for the relief of muscular aches and pains. 560,576, June 24; Serial No. 613,770, published Jan. 22, 1952. Class 18.

Diana Manufacturing Company, Green Bay, Wis. Shredded plastic film. 560,545, June 24; Serial No. 611,643, published Feb. 19, 1952. Class 1.

Dick, A. B., Company, Niles, Ill. Cotton for lithographic duplicating. 560,525, June 24; Serial No. 610,419, published Feb. 19, 1952. Class 1.

Dick, A. B., Company, Niles, Ill. Cotton for lithographic duplicating. 560,526, June 24; Serial No. 610,424, published Mar. 4, 1952. Class 1.

Dining Car Coffee Company: *See*—
Norwine Coffee Company.

District of Columbia Paper Mfg. Co., Washington, D. C. Blotting-paper. 56,160, Aug. 28, 1906. Canceled May 29, 1952. O. G. June 24. Class 37.

Doubleday & Company, Inc.: *See*—
Garden City Publishing Company, Inc.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 560,650, June 24; Serial No. 599,421, published Mar. 18, 1952. Class 12.

Dri-Ped Limited, Bolton, England. Leather. 388,695, July 8, 1941. Republished June 24. Class 1.

Drucker, Harry N., Cincinnati, Ohio. Roller skates. 344,907, Apr. 6, 1937. Canceled May 19, 1952. O. G. June 24. Class 22.

E-Z-R Products Co., Glendale, Calif. Hand cleansing cream, auto finish cleaner, etc. 372,166, Oct. 24, 1939. Canceled May 19, 1952. O. G. June 24. Class 4.

Economy Nursery Company, Little Silver, N. J. Rose bushes, shrubs, vines, etc. 293,842, renewed May 10, 1952. O. G. June 24. Class 1.

Edwards Company, Inc.: *See*—
Edwards and Company, Inc.

Edwards and Company, Inc., New York, N. Y., to Edwards Company, Inc., Norwalk, Conn. Electrical goods and apparatus. 294,309–13, renewed May 24, 1952. O. G. June 24. Class 21.

Edwards and Company, Inc., New York, N. Y., to Edwards Company, Inc., Norwalk, Conn. Electrical goods and apparatus. 294,934, renewed June 14, 1952. O. G. June 24. Class 21.

Edwards and Company, Inc., New York, N. Y., to Edwards Company, Inc., Norwalk, Conn. Electrical goods and apparatus. 295,938, renewed July 19, 1952. O. G. June 24. Class 21.

Elson, Jesse, Farm School, Pa. Soil conditioner. 560,464, June 24; Serial No. 602,756, published Apr. 1, 1952. Class 10.

Ely & Walker Dry Goods Company, St. Louis, Mo. Work shirts and trousers. 86,520, re-renewed May 14, 1952. O. G. June 24. Class 39.

Eskimo Pie Corporation, Bloomfield, N. J. Wooden sticks for carrying frozen confections. 560,674, June 24; Serial No. 604,576. Class 13.

Essential Products, Inc., Atlanta, Ga. Nutritional supplement. 560,426, June 24; Serial No. 596,903, published Feb. 19, 1952. Class 18.

Essex Wire Corporation, Detroit, Mich. Oil-resistant insulated electrical wire. 560,368, June 24; Serial No. 577,955, published Apr. 1, 1952. Class 21.

Esso Standard Oil Company: *See*—
Southern Drug Co., Inc.
Standard Oil Company.

Eternit, Inc., St. Louis, Mo., and New York, N. Y., to The Ruberoid Co., New York, N. Y., and Bound Brook, N. J. Asbestos-cement siding strips. 297,247, renewed Sept. 6, 1952. O. G. June 24. Class 12.

Ethyl Corporation: *See*—
Ethyl Gasoline Corporation.

Ethyl Gasoline Corporation, to Ethyl Corporation, New York, N. Y. Anti-knock fluid. 292,242, renewed Mar. 8, 1952. O. G. June 24. Class 6.

Fairy Silk Mills, Inc., Shillington, Pa. Women's and misses' underwear. 293,637, May 3, 1932. Republished June 24. Class 39.

Fake, Warren H., Ephrata, Pa. Men's, women's, children's underwear, pajamas, robes, etc. 560,405, June 24; Serial No. 592,199, published Mar. 25, 1952. Class 39.

Federal Telephone & Telegraph Co., Buffalo, N. Y. Telephone and telegraph apparatus and radio apparatus. 166,470, Apr. 3, 1923. Canceled May 19, 1952. O. G. June 24. Class 21.

Fels & Company, Philadelphia, Pa. Liquid detergent and solid detergent. 560,467, June 24; Serial No. 603,185, published Mar. 18, 1952. Class 52.

Ferro Machine & Foundry Company, The, to Ferro Machine & Foundry, Inc., Cleveland, Ohio. Iron castings. 297,014, renewed Aug. 30, 1952. O. G. June 24. Class 14.

Ferro Machine & Foundry, Inc.: *See*—
Ferro Machine & Foundry Company, The.

Field, M. Wayne, assignor to The Hope Chest Company, Inc., Minneapolis, Minn. Silver table cutlery. 560,553, June 24; Serial No. 611,951, published Feb. 26, 1952. Class 28.

Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y. Liquid synthetic soap. 560,386, June 24; Serial No. 576,116, published Mar. 25, 1952. Class 52.

Fino Fabrieken, Harderwijk, Netherlands. Canned soups; canned and powdered soup bases, cubes and powder, etc. 560,656, June 24; Serial No. 565,253. Class 46.

Fisher Manufacturing Company: *See*—
Fisher, Roy J.

Fisher, Roy J., doing business as Fisher Manufacturing Company, Rochester, N. Y. Film cement. 560,502, June 24; Serial No. 607,423, published Apr. 1, 1952. Class 5.

Fisher Silversmiths, Inc., The, Jersey City, N. J., and New York, N. Y. Sterling silver hollow ware and silver plated hollow ware. 560,383, June 24; Serial No. 582,778, published Jan. 30, 1951. Class 28.

Flexible Tubing Corporation, The, Guilford, Conn. Flexible tubing. 560,520, June 24; Serial No. 609,920, published Mar. 25, 1952. Class 35.

Flintkote Company, The, New York, N. Y. Asbestos cement shingles and sidings. 560,605, June 24; Serial No. 616,204, published Mar. 25, 1952. Class 12.

Foley & Company, Chicago, Ill. Laxative in chewing gum form. 294,777, renewed June 7, 1952. O. G. June 24, Class 18.

Fordom Forest Products Corporation, New York, N. Y. Wood products. 560,532, June 24; Serial No. 610,838, published Feb. 19, 1952. Class 1.

Foregger Company, Inc., The, New York, N. Y. Laryngeal airways, laryngoscopes, oxygen meters, and oxygen tents. 560,396, June 24; Serial No. 588,293, published Apr. 1, 1952. Class 44.

Foreman & Clark, Los Angeles, Calif. Men's three-piece suits. 560,652, June 24; Serial No. 549,625. Class 39.

Fort Howard Paper Company, Green Bay, Wis., to The Great Atlantic and Pacific Tea Company, New York, N. Y. Toilet paper, paper towels, paper napkins, etc. 297,060, renewed Aug. 30, 1952. O. G. June 24. Class 37.

Fostoria Glass Company, Moundsville, W. Va. Drinking glasses. 560,543, June 24; Serial No. 611,569, published Feb. 26, 1952. Class 33.

Fritzsche Brothers, Inc., New York, N. Y. Aromatic masking agents. 560,616, June 24; Serial No. 617,241, published Apr. 1, 1952. Class 6.

Fromm Laboratories, Inc., Grafton, Wis. Vaccine. 560,600–2, June 24; Serial Nos. 616,025–7, published Feb. 26, 1952. Class 18.

Full-Knit Hosiery Mills, Inc., Burlington, N. C. Men's hosiery. 560,544, June 24; Serial No. 611,571, published Apr. 1, 1952. Class 39.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 519,528, Jan. 3, 1950. Canceled May 29, 1952. O. G. June 24. Class 42.

Galter, Jack, Chicago, Ill. Clocks and electric clocks. 560,550–1, June 24; Serial Nos. 611,835–6, published Feb. 26, 1952. Class 27.

Garcelon, Louis, Jr.: *See*—
Lorraine Compounds Corporation.

Garden City Publishing Company, Inc., to Doubleday & Company, Inc., Garden City, N. Y. Books. 235,463, Nov. 22, 1947. New certificate. O. G. June 24. Class 38.

Garden City Publishing Company, Inc., to Doubleday & Company, Inc., Garden City, N. Y. Books. 236,206, Dec. 6, 1927. New certificate. O. G. June 24. Class 38.

Garden City Publishing Company, Inc., to Doubleday & Company, Inc., Garden City, N. Y. Books. 523,586, Apr. 4, 1950. New certificate. O. G. June 24. Class 38.

Garden City Publishing Company, Inc., to Doubleday & Company, Inc., Garden City, N. Y. Books. 524,790, May 2, 1950. New certificate. O. G. June 24. Class 38.

Garden City Publishing Company, Inc., to Doubleday & Company, Inc., Garden City, N. Y. Books. 526,312, June 13, 1950. New certificate. O. G. June 24. Class 38.

Garden City Publishing Company, Inc., to Doubleday & Company, Inc., Garden City, N. Y. Books. 526,352, June 13, 1950. New certificate. O. G. June 24. Class 38.

Garden City Publishing Company, Inc., to Doubleday & Company, Inc., Garden City, N. Y. Books. 527,258, July 4, 1950. New certificate. O. G. June 24. Class 38.

Gemaco, Inc., New York, N. Y. Web belts. 560,617, June 24; Serial No. 617,243, published Mar. 25, 1952. Class 39.

General Aniline & Film Corporation: *See*—
Ansco Company.

General Cable Corporation, by General Cable Corporation, New York, N. Y. Electric wires and cables. 290,091, Dec. 22, 1931. Republished June 24. Class 21.

Georgia Automatic Gas Company, Atlanta, Ga. Liquefied petroleum gas, butane and propane. 560,433, June 24; Serial No. 598,076, published June 5, 1951. Class 6.

Gerlach, E. A., Company, Inc., Eddington, Pa. Detergent. 560,505, June 24; Serial No. 607,585, published Apr. 1, 1952. Class 52.

Gevaert Photo-Producten N. V., Mortsel, Belgium. Chemical preparations. 560,578, June 24; Serial No. 613,872, published Mar. 18, 1952. Class 6.

Glen Hall Brands, Glen Ridge, N. J. Seasoning. 560,663, June 24; Serial No. 590,977. Class 46.

Glendale Federal Savings & Loan Association, Glendale, Calif. Service consisting of accepting savings and making loans. 560,642, June 24; Serial No. 600,722, published Mar. 18, 1952. Class 102.

Goldstein, Bernard J., to H. R. Carlough, doing business as The Safety Fire Extinguisher Co., New York, N. Y. Chemical fire engines. 83,246, re-renewed Aug. 29, 1951. O. G. June 24. Class 23.

Goodenow-Morley Company, also doing business under the style name of Mid-West Associates, Oklahoma City, Okla. Plastic adhesive and sealing product. 560,506, June 24; Serial No. 607,587, published Mar. 25, 1952. Class 5.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Material in sheet form comprising a vulcanized blend of synthetic resin and synthetic rubber. 560,524, June 24; Serial No. 610,363, published Mar. 11, 1952. Class 1.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Garden hose. 560,632, June 24; Serial No. 618,851, published Mar. 25, 1952. Class 35.

Gotham Hosiery Company, Inc.: *See*—
Lord & Taylor.

Grace Company, The, Belton, Mo. Overall garments. 560,415, June 24; Serial No. 593,983, published Apr. 1, 1952. Class 39.

Granat Bros., San Francisco, Calif. Watches. 560,414, June 24; Serial No. 593,485, published Feb. 12, 1952. Class 27.

Grand Bag & Paper Co., Inc., New York, N. Y. Waxed and unwaxed paper bags. 560,662, June 24; Serial No. 581,186. Class 2.

Grand Chapter of Phi Sigma Kappa, The, Chicago, Ill. Organizing of chapters in a national collegiate fraternity, etc. 560,651, June 24; Serial No. 599,760, published Apr. 1, 1952. Class 100.

Gray, Julia C., Manteo, N. C. Dolls and doll clothing. 560,429, June 24; Serial No. 597,750, published Apr. 1, 1952. Class 22.

Great Atlantic and Pacific Tea Company, The: *See*—
Fort Howard Paper Company.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Fresh oysters. 296,883, renewed Aug. 23, 1952. O. G. June 24. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Candy. 560,681, June 24; Serial No. 613,709. Class 46.

Greatrex Ltd., New York, N. Y. Leather clothing. 560,434 June 24; Serial No. 598,363, published Apr. 1, 1952. Class 39.

Green & Green, Houston, Tex. Non-alcoholic, non-cereal, maltless soft drinks and flavoring extracts. 524,852, May 2, 1950. Canceled May 19, 1952. O. G. June 24. Class 45.

Greene, Herbert A., Philadelphia, Pa. Synthetic rubber clothing. 525,217, May 16, 1950. Canceled May 14, 1952. O. G. June 24. Class 39.

Greene, Tweed & Co., North Wales, Pa. Polishing leathers, leather polishing wheels, etc. 560,361–3, June 24; Serial Nos. 573,244–6, published Mar. 25, 1952. Class 4.

Grove Laboratories, Inc., The, St. Louis, Mo. Medicinal preparations. 560,584, June 24; Serial No. 614,437, published Jan. 22, 1952. Class 18.

Gundlach, G. P., & Co., Inc., Cincinnati, Ohio. Ice cream. 560,456, June 24; Serial No. 601,866, published Feb. 26, 1952. Class 46.

Halpern, J., Company, Pittsburgh, Pa. Toy pistols and holster sets. 560,511, June 24; Serial No. 608,310, published Apr. 1, 1952. Class 22.

Hardwick & Magee Company, Philadelphia, Pa. Woven carpets and rugs. 87,336, July 9, 1912. Republished June 24. Class 42.

Harris Machine Company, Rivera, Calif. Rifle bullets, rifle bullet jackets, gas checks, etc. 560,618, June 24; Serial No. 617,249, published Apr. 1, 1952. Class 9.

Hart Products Corporation, New York, N. Y. Water insoluble wetting out agent. 560,580, June 24; Serial No. 613,913, published Mar. 25, 1952. Class 6.

Havva Hosiery Mills: *See*—
Joseph, Shalom.

Hawick Knitwear Limited, Hawick, Scotland. Knitted articles of outer-wear. 560,386, June 24; Serial No. 583,651, published Apr. 1, 1952. Class 39.

Hearst Corporation, The: *See*—
King Features Syndicate, Inc.

Heat-X-Changer Co., Inc., The, Brewster, N. Y. Heat exchange units for cooling beverages and similar liquids. 560,595, June 24; Serial No. 615,616, published Apr. 1, 1952. Class 31.

Heinemann Electric Company, Trenton, N. J. Service centers consisting of a small number of circuit breakers, etc. 560,351, June 24; Serial No. 561,465, published Mar. 4, 1952. Class 21.

Hemingway, H. C., & Company: *See*—
Hemingway, H. C., & Company, Inc.

Hemingway, H. C., & Company, Inc., Syracuse, to H. C. Hemingway & Company, Auburn, N. Y. Canned fruits and vegetables; and frosted, frozen, and ice fresh fruits and vegetables. 295,696, renewed July 12, 1952. O. G. June 24. Class 46.

Herman, Louis B., Brooklyn, N. Y. Shoes and over shoes. 307,202, Oct. 17, 1933. Canceled May 19, 1952. O. G. June 24. Class 39.

Hess, George, Co. Inc., New York, N. Y. Women's dresses. 352,546, Nov. 30, 1937. Canceled May 19, 1952. O. G. June 24. Class 39.

Hoben Candy Corp., Ashley, Ill. Candy. 560,677, June 24; Serial No. 608,111. Class 46.

Hoffman Radio Corporation, Los Angeles, Calif. Tuning units for television receivers. 560,461, June 24; Serial No. 602,398, published Apr. 1, 1952. Class 21.

Hohner, M., to M. Hohner, Inc., New York, N. Y. Harmonicas. 88,292–3, re-renewed Sept. 10, 1952. O. G. June 24. Class 36.

Hohner, M., Inc.: *See*—
Hohner, M.

Hollywood Shoe Polish Inc., Richmond Hill, N. Y. Shoe polish. 560,499, June 24; Serial No. 607,022, published Apr. 1, 1952. Class 4.

Holmes-Darst Coal Corporation, Knoxville, Tenn. Coal. 560,552, June 24; Serial No. 611,897, published Feb. 19, 1952. Class 1.

Hoover Company, The, North Canton, Ohio. Electric floor polishers and parts thereof. 560,675, June 24; Serial No. 604,912. Class 21.

Hope Chest Company, Inc., The, assignee: *See*—
Field, M. Wayne.

Hostetter Company, The, by Hostetter Corporation, Pittsburgh, Pa. Stomach-bitters. 84,232, Nov. 21, 1911. Republished June 24. Class 18.

Hostetter Corporation: *See*—
Hostetter Company, The.

Hotpoint Inc., Chicago, Ill. Electric refrigerating units. 560,599, June 24; Serial No. 615,836, published Mar. 11, 1952. Class 31.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 297,065, renewed Aug. 30, 1952. O. G. June 24. Class 51.

Household Company, Chicago, Ill. Cutlery. 560,667, June 24; Serial No. 598,420. Class 23.

Hubbard Pants Company, Inc., Bremen, Ga. Men's and boys' trousers. 560,492, June 24; Serial No. 606,143, published Mar. 25, 1952. Class 39.

Hudnut, Richard, New York, N. Y. Cosmetic kits. 560,439, June 24; Serial No. 599,097, published Mar. 11, 1952. Class 51.

Hudnut, Richard, New York, N. Y. Lipstick and nail lacquer. 560,571, June 24; Serial No. 613,072, published Mar. 25, 1952. Class 51.

Hudson, H. D., Manufacturing Company, Chicago, Ill., and Hastings, Minn., to H. D. Hudson Manufacturing Company, Chicago, Ill. Sprayers for spraying liquids. 294,185, renewed May 24, 1952. O. G. June 24. Class 23.

Huntington Laboratories, Inc., Huntington, Ind. Dry cleaning soap. 560,420, June 24; Serial No. 595,723, published Mar. 25, 1952. Class 52.

Huyler's, New York, N. Y. Candy and confections of all kinds. 37,504, Dec. 24, 1901. Republished June 24. Class 46.

Ideal Toy Corporation, Hollis, N. Y. Inflatable toy. 560,627, June 24; Serial No. 618,235, published Apr. 1, 1952. Class 22.

Intercontinental Hotels Corporation, New York, N. Y. Hotel development services. 560,641, June 24; Serial No. 566,150, published Apr. 8, 1952. Class 100.

Isaacson Iron Works, Inc.: *See*—
Pullman-Standard Car Manufacturing Company.

Jack Daniel: *See*—
Motlow, Lem.

Jack Daniel Distillery, Lem Motlow, Prop., Inc.: *See*—
Motlow, Lem.

Jarraud, Albert: *See*—
Jarraud, Joseph G. A.

Jarraud, Charles: *See*—
Jarraud, Joseph G. A.

Jarraud, Joseph G. A., doing business as Albert Jarraud, to C. Jarraud, Chateauneuf-sur-Charente, France. Quercitannic extracts. 292,351, renewed Mar. 15, 1952. O. G. June 24. Class 6.

Jewell Polish Company: *See*—
Steele, W. J.

Johns-Manville Corporation, New York, N. Y. Asbestos-cement pipe, corrugated asbestos-cement sheets, etc. 560,384, June 24; Serial No. 583,345, published Feb. 19, 1952. Class 12.

Johnson Products Company, Buffalo, N. Y., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Household cleaner. 560,338, June 24; Serial No. 529,466, published July 18, 1950. Class 52.

Johnson, S. C., & Son, Inc., assignee: *See*—
Johnson Products Company.

Johnson, S. C., & Son, Inc., Racine, Wis. Liquid polish. 560,373, June 24; Serial No. 580,244, published Mar. 18, 1952. Class 4.

Joseph, Shalom, doing business as Havva Hosiery Mills, Chicago, Ill. Women's hosiery. 560,494, June 24; Serial No. 606,780, published Apr. 1, 1952. Class 39.

Julliard, A. D., & Co., Inc., New York, N. Y. Corduroys in the piece. 293,423, renewed Apr. 19, 1952. O. G. June 24. Class 42.

Julliard, A. D., & Co., Inc., New York, N. Y. Corduroys in the piece. 293,789, renewed May 3, 1952. O. G. June 24. Class 42.

Karrier Motors Limited, Coventry, England. Road sweepers. 560,661, June 24; Serial No. 575,270. Class 23.

Kayser, Julius, & Co., New York, N. Y. Ladies' underwear. 294,798, renewed June 7, 1952. O. G. June 24. Class 39.

Keith, Geo. E., Company: *See*—
Mayer, Solomon.

Kelco Company, San Diego, Calif. Amine alginate. 560,637, June 24; Serial No. 619,704, published Apr. 8, 1952. Class 6.

Kenda, Paul, San Antonio, Tex. Patent medicine. 370,462, Aug. 29, 1939. Canceled May 29, 1952. O. G. June 24. Class 18 (formerly in Class 6).

Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Steel. 560,488, June 24; Serial No. 605,860, published Apr. 1, 1952. Class 14.

Kenton Pharmacal Co., The, Covington, Ky. Hair coloring preparation. 560,603, June 24; Serial No. 616,110, published Mar. 25, 1952. Class 51.

Keuffel & Esser Company, Hoboken, N. J. Ink eradicator. 560,465, June 24; Serial No. 602,765, published Mar. 25, 1952. Class 52.

Kilsby, Perry, Inc., Los Angeles, Calif., assignor to Cory Corporation, Chicago, Ill. Electric dishwashers. 560,359, June 24; Serial No. 571,809, published Feb. 12, 1952. Class 21.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Cartoon strip. 294,603, renewed June 7, 1952. O. G. June 24. Class 38.

Klaw, Marc, doing business as Skyphotos, Philadelphia, Pa. Aerial photography. 560,686, June 24; Serial No. 540,079. Class 100.

Kleinert, I. B., Rubber Company, New York, N. Y. Brassières, girdles, and corsets. 293,972, May 10, 1932. Republished June 24. Class 39.

Knomark Manufacturing Co., Inc., assignee: *See*—
Laubly, Richard.

Knothe Brothers Co. Inc., New York, N. Y. Men's and boys' leather belts. 560,561, June 24; Serial No. 612,921, published Mar. 25, 1952. Class 39.

Koppers Company, Inc., Pittsburgh, Pa. Piston rings. 560,625, June 24; Serial No. 618,169, published Apr. 8, 1952. Class 35.

Kops Bros., Inc., New York, N. Y. Elastic body-confining belts, girdles, brassières, etc. 293,875, renewed May 10, 1952. O. G. June 24. Class 39.

Kops Bros., Inc., New York, N. Y. Corsets, girdles and brassières. 294,626, renewed June 7, 1952. O. G. June 24. Class 39.

Kosloff, I., & Sons, Inc., New York, N. Y. Candy. 295,562, renewed July 5, 1952. O. G. June 24. Class 46.

Kreisler, Jacques, Manufacturing Corporation, North Bergen, N. J. Wrist watch bands. 560,577, June 24; Serial No. 613,776, published Feb. 12, 1952. Class 28.

Kremers-Urban Company, Milwaukee, Wis. Cutaneous vasoconstrictor. 560,590, June 24; Serial No. 614,948, published Jan. 29, 1952. Class 18.

Kreuter Paint Company, Grand Rapids, Mich. Ready mixed paints and primer. 560,470, June 24; Serial No. 604,011, published Mar. 4, 1952. Class 16.

Laboratoires Darrassé-Darmex (par abréviation Labodar), Societe a Responsabilite Limittee, Nanterre (Seine), France. Solution of iodine and caffeine. 560,504, June 24; Serial No. 607,504, published Jan. 22, 1952. Class 18.

Laboratorios Andromaco: *See*—
Rubio, Fernando A., and Roviralta.

Lancedale Hosiery Company, New York, N. Y. Men's, women's, and children's hosiery. 560,462, June 24; Serial No. 602,559, published Apr. 1, 1952. Class 39.

Larson, L. P., Jr., Company, to Wm. Wrigley Jr. Company, Chicago, Ill. Chewing-gum. 85,910, re-renewed Mar. 26, 1952. O. G. June 24. Class 46.

Lasky, Thomas S., Kingston, Pa. Oil filters, oil filter cartridges. 560,437, June 24; Serial No. 598,859, published Mar. 11, 1952. Class 31.

Laubly, Richard, Westport, Conn., assignor to Knomark Manufacturing Co., Inc., Brooklyn, N. Y. Softening preparation. 560,348, June 24; Serial No. 555,758, published Dec. 26, 1950. Class 52.

Lavino, E. J., and Company, Philadelphia, Pa. Dry refractory cement. 560,493, June 24; Serial No. 606,147, published Mar. 11, 1952. Class 12.

Lecky, William R., Jr., doing business as Lecky's Drug Co., Richmond, Va. Preparation for treating irritations of the skin. 292,736, renewed Mar. 29, 1952. O. G. June 24. Class 18.

Lecky's Drug Co.: *See*—
Lecky, William R., Jr.

Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 560,403, June 24; Serial No. 592,041, published Mar. 18, 1952. Class 35.

Lefkoff, Mrs. Anne S., doing business under the name of Savex Laboratories, Atlanta, Ga. Salve for the skin and scalp. 560,357, June 24; Serial No. 570,739, published Nov. 28, 1950. Class 18.

Les Parfums de Dana, Inc., assignee: *See*—
Dana Perfumes, Inc.

Les Parfums De Dana, Inc.: *See*—
Pond's Extract Company.

Lessek Bag Inc., New York, N. Y. Handbags and pocketbooks. 387,573, May 20, 1941. Canceled May 19, 1952. O. G. June 24. Class 3.

Lewis, Warner, Company, Tulsa, Okla. Hydrocarbon oil filters. 444,700, June 24; Serial No. 518,331, published Mar. 18, 1952. Class 31.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Rear view mirrors. 560,435, June 24; Serial No. 598,423, published Mar. 25, 1952. Class 19.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Colored opaque glass tiles; multiple glass sheet glazing units, etc. 560,457, June 24; Serial No. 602,038, published Mar. 18, 1952. Class 12.

Liberty Fire Apparatus Co., Inc., Roanoke, Va. Fire hose. 435,259–60, Dec. 16, 1947. Canceled May 19, 1952. O. G. June 24. Class 35.

Liberty Fire Apparatus Co., Inc., Roanoke, Va. Fire hose. 441,699, Dec. 28, 1948. Canceled May 19, 1952. O. G. June 24. Class 35.

Light, Wayne W., New York, N. Y. Stones and gems. 560,546, June 24; Serial No. 611,648, published Mar. 4, 1952. Class 28.

Littleway Process Company, The: *See*—
United Shoe Machinery Corporation.

Live Food Products Co., Burbank, Calif., assignee of P. C. Bragg, doing business as Live Food Products Company. Dietary substitute for table salt. 560,680, June 24; Serial No. 612,298. Class 46.

Live Food Products Company: *See*—
Live Food Products Co.

Longmont Brick & Tile Company, Longmont, Colo. Kiln burned clay brick. 560,463, June 24; Serial No. 602,618, published Mar. 25, 1952. Class 12.

Lorco Corporation: *See*—
Lorraine Compounds Corporation.

Lord & Taylor, to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 88,097, re-renewed Aug. 27, 1952. O. G. June 24. Class 39.

Lorraine Compounds Corporation, now by change of name Lorco Corporation, to L. Garcelon, Jr., Boston, Mass. Soapless detergent. 440,419, Aug. 31, 1948. New certificate. O. G. June 24. Class 4.

Luhrs, C. H., & Co.: *See*—
Luhrs, Charles H.

Luhrs, Charles H., doing business under the name of C. H. Luhrs & Co., Hackensack, N. J. Tic-tack-toe game. 560,474, June 24; Serial No. 604,482, published Apr. 1, 1952. Class 22.

Luyties Pharmacal Company, St. Louis, Mo. Dentifrice. 560,586, June 24; Serial No. 614,559, published Mar. 25, 1952. Class 51.

Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao & Chocoladefabrieken, doing business as Rademaker Royal Cocoa and Chocolate Works, to Rademaker's Koninklijke Cacao-en Chocoladefabrieken N. V., The Hague, Netherlands. Coffee flavored candies, solid chocolate, assorted chocolate, etc. 292,512, renewed Mar. 15, 1952. O. G. June 24. Class 46.

MacArthur, Joseph A., doing business under the name and style of MacArthur Petroleum & Solvent Co., South Kearny, N. J. Industrial solvents. 560,445, June 24; Serial No. 599,955, published Mar. 18, 1952. Class 52.

MacArthur Petroleum & Solvent Co.: *See*—
MacArthur, Joseph A.

MacLean, Robert S., doing business as Mastic Asphalt Company, Michigan City, to Mastic Asphalt Corporation, South Bend, Ind. Building covering materials. 295,711, renewed July 12, 1952. O. G. June 24. Class 12.

Mahler, Frederick H., New York, N. Y. Carbon paper. 560,512, June 24; Serial No. 608,557, published Apr. 1, 1952. Class 11.

Maltine Company, The, Morris Plains, N. J. Product for the treatment of chronic constipation. 540,333, Apr. 3, 1951. Canceled May 19, 1952. O. G. June 24. Class 18.

Mammoth Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 560,431, June 24; Serial No. 597,965, published Apr. 1, 1952. Class 39.

Mancusi, Attilio, doing business as Tyson Radio Company, Carle Place, N. Y. Electrical apparatus. 560,422, June 24; Serial No. 595,792, published Feb. 26, 1952. Class 21.

Man-U-Tech, Inc., Fort Wayne, Ind. Electric pocket bun toaster. 560,676, June 24; Serial No. 605,366. Class 21.

Marchetti, Joseph, Chicago, Ill. Spaghetti dinners. 292,515, renewed Mar. 15, 1952. O. G. June 24. Class 46.

Marechal, Ruchon & Co., Ltd., London, England, and Paris, France. Tobacco-pipes, cigar and cigarette holders. 86,421, re-renewed May 7, 1952. O. G. June 24. Class 8.

Marilyn Hosiery Mill, Lehighton, Pa. Women's hosiery. 560,432, June 24; Serial No. 597,966, published Apr. 1, 1952. Class 39.

Märki, Emil, Basel, Switzerland. Materials for the production of dental prothesis plates. 560,391, June 24; Serial No. 587,557, published Apr. 1, 1952. Class 44.

Martin, J. F., Cartage Co., Chicago, Ill. Transportation of freight by automobile truck. 560,640, June 24; Serial No. 546,007, published Apr. 1, 1952. Class 105.

Martin, James, & Co., Limited: *See*—
McKesson & Robbins Incorporated.

Mason Plastics Co., Inc., Kansas City, Kans. Treating bowling pins, tool handles, and other articles. 560,645, June 24; Serial No. 609,368, published Apr. 8, 1952. Class 103.

Massengill, S. E., Company, The, Bristol, Tenn. Medicinal preparation. 560,393, June 24; Serial No. 587,889, published Feb. 19, 1952. Class 18.

Messengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 560,401, June 24; Serial No. 590,676, published Jan. 22, 1952. Class 18.

Mastic Asphalt Company: *See*—
MacLean, Robert S.

Mastic Asphalt Corporation: *See*—
MacLean, Robert S.

Maus, Geo. H., Inc., Amsterdam, N. Y. Lawn broom rakes and parts thereof. 560,358, June 24; Serial No. 571,695, published Jan. 8, 1952. Class 23.

Mautz Paint & Varnish Company, Madison, Wis. Putty. 560,607–9, June 24; Serial Nos. 616,294–6, published Mar. 25, 1952. Class 12.

Mavest, Inc., New York, N. Y. Men's coats. 560,655, June 24; Serial No. 562,378. Class 39.

Maxim Silencer Company, The, Hartford, Conn. Silencers, snow plows, and manually guided snow throwers. 560,540, June 24; Serial No. 611,443, published Mar. 4, 1952. Class 23.

Maxson, W. L., Corporation, The, New York, N. Y. Supporting bases for switch actuating elements. 560,487, June 24; Serial No. 605,556, published Jan. 22, 1952. Class 21.

Mayer, Solomon, Boston, to Geo. E. Keith Company, Brockton, Mass. Foot-measuring charts. 88,011, re-renewed Aug. 20, 1952. O. G. June 24. Class 26.

McCarter, Gertrude E., doing business as Trudy Manufacturing Company, Osceola, Ind. Spread. 560,442, June 24; Serial No. 599,517, published Mar. 25, 1952. Class 46.

McCloskey, Elizabeth M., Forest Hills, N. Y. Smooth-finished, colored concrete tile. 560,547, June 24; Serial No. 611,705, published Mar. 25, 1952. Class 12.

McDade, Clint, & Sons, Inc., Signal Mountain, Tenn. Flowers. 560,557, June 24; Serial No. 612,408, published Feb. 12, 1952. Class 1.

McKesson & Robbins Incorporated, New York, N. Y., by James Martin & Co., Limited, Edinburgh, Scotland. Scotch whisky. 329,093, Oct. 15, 1935. Republished June 24. Class 49.

Merchants Chemical Company, Inc., New York, N. Y. Chlorinated solvents. 560,371, June 24; Serial No. 578,695, published Mar. 4, 1952. Class 52.

Merrimac Hat Corporation, Amesbury, Mass. Men's, women's, and children's hats and hat bodies. 444,699, June 24; Serial No. 507,994, published Apr. 1, 1952. Class 39.

Meyers, Clarence L., & Co., Philadelphia, Pa. Yarn. 560,634, June 24; Serial No. 618,982, published Apr. 1, 1952. Class 43.

Mid-West Associates: *See*—
Goodenow-Morley Company.

Millard Brothers Limited, London, England. Air-guns. 560,458, June 24; Serial No. 602,274, published Mar. 25, 1952. Class 9.

Min-R-L-Rubr Corp., New York, N. Y. Device for injecting insulating material into the surface of foundations in subsoil. 560,397, June 24; Serial No. 588,378, published Mar. 4, 1952. Class 23.

Mission Dry Corporation, Los Angeles, Calif. Measuring and dispensing apparatus. 560,683, June 24; Serial No. 615,565. Class 26.

Monsanto Chemical Company, St. Louis, Mo. Anti-freeze solutions. 560,620, June 24; Serial No. 617,305, published Mar. 25, 1952. Class 6.

Moore, William E., Oakland, Calif. Shipping carton or box containing a special refrigerant. 560,341, June 24; Serial No. 540,196, published Mar. 18, 1952. Class 31.

Morton Salt Company: *See*—
Worcester Salt Co.

Motlow, Lem, doing business as Jack Daniel, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey. 298,102, renewed Oct. 11, 1952. O. G. June 24. Class 49.

Murray Hill Restaurant, Inc., New York, N. Y. Statues, bracelets, trinklets, etc. 560,535, June 24; Serial No. 611,186, published Mar. 4, 1952. Class 28.

Murray Hill Restaurant, Inc., New York, N. Y. Drinking and wine glasses, glass stirrers, glass muddlers, etc. 560,536, June 24; Serial No. 611,187, published Mar. 4, 1952. Class 33.

Nachman, L., & Son, Inc., Philadelphia, Pa. Women's and misses' textile aprons. 560,342, June 24; Serial No. 543,512, published Apr. 1, 1952. Class 39.

Nash, C. A., & Son, Inc., Norfolk, Va. Liquid and paste wax. 560,615, June 24; Serial No. 617,203, published Apr. 1, 1952. Class 4.

National Cash Register Company, The, Dayton, Ohio. Cement. 560,514, June 24; Serial No. 608,882, published Apr. 1, 1952. Class 5.

Nelson Specialty Corporation, San Leandro, Calif. Electrical welding apparatus. 560,410, June 24; Serial No. 593,184, published Mar. 18, 1952. Class 21.

Neon Products, Inc., Lima, Ohio. Electrically illuminated display signs. 560,612, June 24; Serial No. 616,918, published Feb. 26, 1952. Class 21.

New Day Products Company: *See*—
Parks, Tom W.

Niles-Bement-Pond Company, West Hartford, Conn. Dimensional gages. 560,668, June 24; Serial No. 598,670. Class 26.

Northern Rubber Products, Inc., Minneapolis, Minn. Tile. 560,353, June 24; Serial No. 565,355, published Mar. 25, 1952. Class 12.

Northern Spruce Co. Ltd., Vancouver, British Columbia, Canada. Rough and dressed sawn lumber. 560,528, June 24; Serial No. 610,756, published Mar. 11, 1952. Class 12.

Norwine Coffee Company, to Dining Car Coffee Company, St. Louis, Mo. Tea, cocoa, coffee, etc. 296,714, renewed Aug. 16, 1952. O. G. June 24. Class 46.

Nu-Type Manufacturing and Development Corp., Freeport, N. Y. Household refrigerators and shelves. 560,459, June 24; Serial No. 602,281, published Feb. 19, 1952. Class 31.

Ogden Publishing Company: *See*—
Ogden-Watney Publishers, Inc.

Ogden-Watney Publishers, Inc., to Ogden Publishing Company, New York, N. Y. Monthly publication. 292,241, renewed Mar. 8, 1952. O. G. June 24. Class 38.

Okonite Company, The, Passaic, N. J. Electrical insulating friction tapes. 560,402, June 24; Serial No. 591,100, published Mar. 18, 1952. Class 21.

Olympic Radio & Television, Inc., Long Island City, N. Y. Television receiving sets. 560,401, June 24; Serial No. 606,044, published July 31, 1951. Class 21.

Oregon Pulp and Paper Co., Salem, to Oregon Pulp and Paper Company, Portland, Oreg. Mimeograph and bond paper. 293,631, renewed May 3, 1952. O. G. June 24. Class 37.

Oregon Pulp and Paper Company: *See*—
Oregon Pulp and Paper Co.

Organon, Inc., Orange, N. J. Medicinal preparation. 560,498, June 24; Serial No. 606,947, published Feb. 19, 1952. Class 18.

Ortho Pharmaceutical Corporation, Raritan, N. J. Bag containing a pessary and vaginal creams and jellies. 560,424, June 24; Serial No. 596,355, published Apr. 1, 1952. Class 44.

Packers Tar Soap, Inc., Mystic, Conn. Soap. 560,395, June 24; Serial No. 588,104, published Mar. 25, 1952. Class 52.

Parker Rust-Proof Company, Detroit, Mich. Preparation for cleaning metal surfaces, etc. 292,282, renewed Mar. 8, 1952. O. G. June 24. Class 52.

Parkersburg Rig & Reel Company, The, Parkersburg, W. Va., and Houston, Tex. High pressure gas well hook up apparatus. 560,454, June 24; Serial No. 601,687, published Mar. 4, 1952. Class 23.

Parks, Tom W., doing business under the name of New Day Products Company, Anderson, S. C. Liquid soap. 560,421, June 24; Serial No. 595,735, published Mar. 18, 1952. Class 52.

Patch, E. L., Company, The, Stoneham, Mass. Cough preparation. 560,592, June 24; Serial No. 615,285, published Feb. 26, 1952. Class 18.

Pearson Pharmacal Company, Inc., New York, N. Y. Ingestible pill. 560,452, June 24; Serial No. 601,395, published Apr. 3, 1951. Class 18.

Pennsylvania Flexible Metallic Tubing Company, Philadelphia, Pa. Metal hose. 87,919, re-renewed Aug. 13, 1952. O. G. June 24, 1952. Class 35.

Perfect Circle Corporation, Hagerstown, Ind. Piston rings. 560,626, June 24; Serial No. 618,178, published Apr. 8, 1952. Class 35.

Perfectform Corporation, New York, N. Y. Ladies' and children's slips and petticoats. 527,957, July 18, 1950. Canceled May 19, 1952. O. G. June 24. Class 39.

Periflex, Inc., Hazel Park, Mich. Hydraulic and pneumatic packings. 560,624, June 24; Serial No. 617,728, published Apr. 8, 1952. Class 35.

Perrine Quality Products Corporation, Waltham, Mass. Storage batteries. 560,518, June 24; Serial No. 609,662, published Feb. 26, 1952. Class 21.

Perrine Quality Products Corporation, Waltham, Mass. Storage batteries and parts therefor. 560,679, June 24; Serial No. 609,663. Class 21.

Petrolane, Ltd., Long Beach, to Petrolane, Ltd., Signal Hill, Calif. Liquid and gaseous fuels. 293,867, renewed May 10, 1952. O. G. June 24. Class 6.

Petroleum Distributing Company, Houston, Tex., formerly known as Standard Oil Sales Co. Tool joint compound. 560,365, June 24; Serial No. 575,445, published Jan. 29, 1952. Class 15.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. 560,539, June 24; Serial No. 611,368, published Jan. 22, 1952. Class 18.

Pharmaceuticals, Inc., Newark, N. J. Preparation for the treatment of colds. 560,481, June 24; Serial No. 604,802, published Jan. 29, 1952. Class 18.

Phelps, Norman J., assignee: *See*—
Dana Perfumes, Inc.

Philadelphia Quartz Company of California, Berkeley, Calif. Silicate of soda and silicate of potash. 560,527, June 24; Serial No. 610,630, published Apr. 1, 1952. Class 6.

Pittsburgh Chemical Laboraotry, Pittsburgh, Pa. Powder compound for cleaning and polishing tile, etc. 560,336, June 24; Serial No. 506,279, published Mar. 25, 1952. Class 4.

Pixie Potters, Los Angeles, Calif. Articles made of ceramic clay. 560,418, June 24; Serial No. 595,154, published Feb. 12, 1952. Class 30.

Plastics Engineering Company, Sheboygan, Wis. Phenolic molding compounds. 560,480, June 24; Serial No. 604,609, published Mar. 25, 1952. Class 6.

Poirette Corsets, Inc., New York, N. Y. Corsets, brassières, and combinations of the same. 290,344, Jan. 5, 1932. Republished June 24. Class 39.

Pond, A. H., Co., Inc., Syracuse, N. Y. Jewelry and costume jewelry. 560,413, June 24; Serial No. 593,440, published Feb. 12, 1952. Class 28.

Pond's Extract Company, to Les Parfums De Dana, Inc., New York, N. Y. Tissue paper. 292,503, renewed Mar. 15, 1952. O. G. June 24. Class 37.

Porter-Cable Machine Company, The, Syracuse, N. Y. Floor surfacing machines, stationary grinders, and portable power operated tools. 560,408, June 24; Serial No. 592,517, published Mar. 4, 1952. Class 23.

Portland Woolen Mills, Inc., Portland, Oreg. Pre-cut blanks for forming filter bags, and wholly prefabricated filter bags. 560,610, June 24; Serial No. 616,608, published Apr. 1, 1952. Class 31.

Powell Instrument Corporation, Port Chester, N. Y. Woodwind musical instrument. 560,390, June 24; Serial No. 585,457, published Mar. 25, 1952. Class 36.

Prefab Homes and Supplies, Inc., to Prefabricators, Inc., Annapolis Junction, Md. Precision-fitting sections of wall, etc. 521,571, Feb. 28, 1950. New certificate. O. G. June 24. Class 12.

Prefab Homes and Supplies, Inc., to Prefabricators, Inc., Annapolis Junction, Md. Precision-fitting sections of wall, etc. 532,737–9, Oct. 31, 1950. New certificate. O. G. June 24. Class 12.

Prefabricators, Inc.: *See*—
Prefab Homes and Supplies, Inc.

Procter & Gamble Company, The, Cincinnati, Ohio. Mineral oil product. 560,636, June 24; Serial No. 619,359, published Mar. 25, 1952. Class 6.

Productive Equipment Corporation, Chicago, Ill. Vibrating screen devices. 560,355, June 24; Serial No. 569,097, published Jan. 8, 1952. Class 23.

Pruett, John H., doing business as John H. Pruett Products Co., Houston, Tex. Chemical fluid for cleaning and polishing. 560,398, June 24; Serial No. 588,707, published Apr. 1, 1952. Class 4.

Pruett, John H., Products Co.: *See*—
Pruett, John H.

Pullman-Standard Car Manufacturing Company, Chicago, Ill., assignee of Isaacson Iron Works, Inc. Mobile logging cranes. 560,654, June 24; Serial No. 561,569. Class 23.

Pure Oil Company, The, Chicago, Ill. Tube repair kit, fan belts, radiator hose, etc. 560,472, June 24; Serial No. 604,222, published Apr. 8, 1952. Class 35.

Pure Oil Company, The, Chicago, Ill. Battery cables, and battery chargers. 560,522, June 24; Serial No. 610,023, published Mar. 18, 1952. Class 21.

Quality Chemists, Inc., St. Louis, Mo. Shampoos. 560,541, June 24; Serial No. 611,530, published Mar. 25, 1952. Class 52.

Raborn, Gladys M., San Antonio, Tex. Dolls' clothing. 560,486, June 24; Serial No. 605,439, published Apr. 1, 1952. Class 22.

Rademaker Royal Cocoa and Chocolate Works: *See*—
Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao & Chocoladefabrieken.

Rademaker's Koninklijke Cacao-en Chocoladefabrieken N. V.: *See*—
Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao & Chocoladefabrieken.

Refined Products Corporation, Lyndhurst, N. J. Cationactive acid detergent and cleaning composition. 560,495, June 24; Serial No. 606,807, published Apr. 1, 1952. Class 52.

Reliance Manufacturing Company, Chicago, Ill. Boys' pajamas, shirts, pants, etc. 560,622, June 24; Serial No. 617,589, published Mar. 25, 1952. Class 39.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Reuge et Cie., Ste.-Croix, Switzerland. Music boxes and musical movements therefor. 560,468, June 24; Serial No. 603,308, published Mar. 25, 1952. Class 36.

Rex Corporation, The, Cambridge, Mass. Electrical plastic insulating materials. 560,507, June 24; Serial No. 607,684, published Jan. 29, 1952. Class 21.

Rheem Manufacturing Company, San Francisco, Calif. Water softening apparatus. 560,354, June 24; Serial No. 567,651, published Feb. 26, 1952. Class 31.

Roberts Windsor Soap Co. Ltd., Windsor, England. Toilet soap. 560,478, June 24; Serial No. 604,548, published Mar. 18, 1952. Class 52.

Robinson, Wm. C., & Son Co., Baltimore, Md. Cylinder and engine oil. 85,997, Apr. 2, 1912. Republished June 24. Class 15.

Robinson, Wm. C., & Son Co., Baltimore, Md. Cylinder oil. 85,998, Apr. 2, 1912. Republished June 24. Class 15.

Robinson, Wm. C., & Son Co., Baltimore, Md. Valve oil. 86,000, Apr. 2, 1912. Republished June 24. Class 15.
Rocher Frères, to Societe a Responsabilite Limitee Rocher Freres, La Cote-Saint-Andre, France. Liquors. 87,309, re-renewed July 9, 1952. O. G. June 24. Class 49.
Rockwell Manufacturing Company, Pittsburgh, Pa. Valve lubricating greases. 560,542, June 24; Serial No. 611,538, published Jan. 29, 1952. Class 15.
Rosen & Son Dress Co., Inc., Boston, Mass. Women's dresses. 560,631, June 24; Serial No. 618,818, published Apr. 1, 1952. Class 39.
Roviralta, Raul: *See*—
Rubio, Fernando A., and Roviralta.
Royal Communication Systems, Inc., Cleveland, Ohio. Electrical communication inter-room speech, light and sound signal apparatus, etc. 560,519, June 24; Serial No. 609,815, published Feb. 19, 1952. Class 21.
Ruberoid Co., The: *See*—
Eternit, Inc.
Rubio, Fernando A., and R. Roviralta, doing business as Laboratorios Andromaco, Barcelona, Spain. Cod-liver oil, general tonics, laxative medicines, etc. 281,217, renewed Mar. 10, 1951. O. G. June 24. Class 18.
Rüfli-Stämpfli, A., Longeau, Switzerland. Watches. 560,489, June 24; Serial No. 605,972, published Feb. 26, 1952. Class 27.
Rust-A-Way Company: *See*—
Rustaway Corporation.
Rustaway Corporation, New York, N. Y., assignee of Rust-A-Way Company. Metal polish. 560,409, June 24; Serial No. 593,086, published Mar. 25, 1952. Class 4.
S and W Fine Foods, Inc.: *See*—
Sussman, Wormser & Company.
Safety Fire Extinguisher Co., The: *See*—
Carlough, Howard R.
Goldstein, Bernard J.
Safety Grinding Wheel & Machine Co.: *See*—
Simonds Worden White Company.
Salvajor Company, The, Kansas City, Mo. Electric motor driven commercial garbage grinding and disposal machine. 560,367, June 24; Serial No. 576,229, published Mar. 25, 1952. Class 21.
Savex Laboratories: *See*—
Lefkoff, Mrs. Anne S.
Schaffhausen, Albert N., Sr., St. Paul, Minn. Amusement device. 560,450, June 24; Serial No. 601,170, published Apr. 1, 1952. Class 22.
Schloss Bros. & Co., Inc., Baltimore, Md. Men's and boys' suits, topcoats, overcoats. 560,369, June 24; Serial No. 578,289, published Mar. 25, 1952. Class 39.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields, pads or plasters. 293,814, renewed July 12, 1952. O. G. June 24. Class 18.
Schwartz, J. D., doing business as J. D. Schwartz Co., El Paso, Tex. Bleach. 560,374, June 24; Serial No. 580,380, published Apr. 8, 1952. Class 6.
Schwartz, J. D., Co.: *See*—
Schwartz, J. D.
Scribbans & Company Limited, to Scribbans-Kemp, Limited, Smethwick, England. Cakes, biscuits, puddings, etc. 289,601, renewed Dec. 1, 1951. O. G. June 24. Class 46.
Scribbans-Kemp, Limited: *See*—
Scribbans & Company Limited.
Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo. Electric fans. 560,451, June 24; Serial No. 601,171, published Feb. 12, 1952. Class 21.
Seabury, Inc.: *See*—
Seabury & Johnson.
Seabury & Johnson, East Orange, N. J., and New York, N. Y., to Seabury, Inc., New Brunswick, N. J. Lubricating jelly. 291,958, renewed Feb. 23, 1952. O. G. June 24. Class 18.
Searle, G. D., & Co., Skokie, Ill. Medicinal and pharmaceutical preparations. 560,593, June 24; Serial No. 615,351, published Feb. 26, 1952. Class 18.
Sears, Roebuck and Co., Chicago, Ill. Shaving cream and shampoo. 560,350, June 24; Serial No. 559,337, published Apr. 1, 1952. Class 51.
Sears, Roebuck and Co., Chicago, Ill. Men's underwear. 560,356, June 24; Serial No. 570,518, published Oct. 16, 1951. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Women's and misses' hosiery. 560,379, June 24; Serial No. 581,090, published Apr. 1, 1952. Class 39.
Seco Company, Inc., St. Louis, Mo. Electrically operated portable food warmers. 560,347, June 24; Serial No. 554,612, published Mar. 4, 1952. Class 21.
Sessions Company, Inc., Enterprise, Ala. Peanut butter. 338,173, Sept. 1, 1936. Republished June 24. Class 46.
Shalom, I. & Co., Inc., New York, N. Y. Handkerchiefs. 560,669, June 24; Serial No. 599,348. Class 39.
Shapiro, Henry, Crescent City, Calif. Decorative miniature cones. 560,381, June 24; Serial No. 582,461, published Mar. 4, 1952. Class 50.
Sharpe & Dohme, Incorporated, Philadelphia, Pa. Preparation affecting the central nervous system and useful in the therapy of depressive states. 560,604, June 24; Serial No. 616,135, published Feb. 26, 1952. Class 18.
Shell Oil Company, San Francisco, Calif., to Shell Oil Company, New York, N. Y. Liquefied gas. 292,495, renewed Mar. 15, 1952. O. G. June 24. Class 6.
Shell Oil Company, San Francisco, Calif., to Shell Oil Company, New York, N. Y. Liquefied gas. 292,892, renewed Mar. 29, 1952. O. G. June 24. Class 6.
Shelley Potteries Limited, Longton, Stoke-on-Trent, England. China tableware. 560,343, June 24; Serial No. 545,780, published Feb. 12, 1952. Class 30.
Shureflash Laboratory, Inc., Newport, Ky. Cartridges for insertion in photoflash guns. 560,672, June 24; Serial No. 600,396. Class 21.
Signal Oil Company, to Standard Oil Company of California, doing business as Signal Oil Company, San Francisco, Calif. Periodical publications. 553,189, Jan. 8, 1952. New certificate. O. G. June 24. Class 38.
Simonds Worden White Company, doing business as Safety Grinding Wheel & Machine Co., Dayton, Ohio. Abrasive grinding wheels. 560,364, June 24; Serial No. 574,654, published Apr. 1, 1952. Class 4.
Skouras, Constantine J., New York, N. Y. Wine. 391,053, Oct. 21, 1941. Canceled May 19, 1952. O. G. June 24. Class 47.
Skyphotos: *See*—
Klaw, Marc.
Sloane Pen Company, New York, N. Y. Writing instruments. 514,403, Aug. 30, 1949. Canceled May 15, 1952. O. G. June 24. Class 37.
Smith, Kline & French Laboratories, Philadelphia, Pa. Vitamin preparation. 560,455, June 24; Serial No. 601,694, published Jan. 22, 1952. Class 18.
Societe a Responsabilite Limitee Rocher Freres: *See*—
Rocher Frères.
Societe Anonyme, Bienaime, Paris, France. Perfumes, face creams, rouge. 560,344, June 24; Serial No. 547,159, published Mar. 11, 1952. Class 51.
Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, France. Perfumes, toilet waters, and colognes. 560,440, June 24; Serial No. 599,271, published Mar. 18, 1952. Class 51.
Socony-Vacuum Corporation, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum and products of petroleum. 296,244, renewed Aug. 2, 1952. O. G. June 24. Class 15.
Socony-Vacuum Oil Company, Incorporated: *See*—
Socony-Vacuum Corporation.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax derived from petroleum. 560,597, June 24; Serial No. 615,798, published Feb. 19, 1952. Class 15.
Sonneborn, L., Sons, Inc., New York, N. Y. Paints. 86,105, Apr. 9, 1912. Republished June 24. Class 16.
Southern Drug Co., Inc., Shreveport, La., to Esso Standard Oil Company, New York, N. Y. Chemical preparation. 292,575, renewed Mar. 15, 1952. O. G. June 24. Class 6.
Southern Gas Corporation, Atlanta, Ga. Liquified petroleum gas. 560,621, June 24; Serial No. 617,357, published Mar. 25, 1952. Class 6.
Southwestern Milling Company, The, Jersey City, N. J. and Kansas City, Mo. Wheat-flour. 89,587, Dec. 24, 1912. Restricted. O. G. June 24. Class 46.
Soylaid Incorporated, Corpus Christi, Tex. Natural deposit of mineral soil used as a soil conditioner. 560,673, June 24; Serial No. 601,955. Class 10.
Speare's, Alden, Sons Co., The, Cambridge, Mass. Knife sharpening machines. 560,658, June 24; Serial No. 568,870. Class 23.
Speidel Corporation, Providence, R. I. Watch bracelets. 560,438, June 24; Serial No. 599,059, published Jan. 15, 1952. Class 28.
Speidel Corporation, Providence, R. I. Watch bracelets. 560,444, June 24; Serial No. 599,847, published Jan. 15, 1952. Class 28.
Spiegel, Inc., Chicago, Ill. Women's, misses' and children's clothing and accessories. 560,614, June 24; Serial No. 617,098, published Mar. 25, 1952. Class 39.
Spinnerin Yarn Co., Inc., South Hackensack, N. J. Wool yarns. 560,635, June 24; Serial No. 619,042, published Apr. 1, 1952. Class 43.
Squibb, E. R., & Sons, New York, N. Y. Penicillin-sulfonamide antibacterial preparation. 560,574, June 24; Serial No. 613,244, published Feb. 19, 1952. Class 18.
Staley, A. E., Manufacturing Company, Decatur, Ill. Salad and cooking oil. 293,393, renewed Apr. 19, 1952. O. G. June 24. Class 46.
Stamatis Polychronopoulos, New York, N. Y. Caviar. 311,412, Mar. 20, 1934. Canceled May 29, 1952. O. G. June 24. Class 46.
Standard Oil Company, Bayonne, N. J., to Esso Standard Oil Company, New York, N. Y. Lubricating-oils. 85,922, re-renewed Mar. 26, 1952. O. G. June 24. Class 15.
Standard Oil Company of California: *See*—
Signal Oil Company.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils. 560,594, June 24; Serial No. 615,504, published Feb. 19, 1952. Class 15.
Standard Oil Sales Co.: *See*—
Petroleum Distributing Company.

Standard Shoe Machinery Company, Chicago, Ill. Sewing awl hafts, twin cutters, nail sets, etc. 560,340, June 24; Serial No. 534,202, published Mar. 4, 1952. Class 23.
Star Drilling Machine Company, The, Akron, Ohio. Well drilling machines and parts therefor. 560,441, June 24; Serial No. 599,395, published Mar. 4, 1952. Class 23.
Steele, W. J., doing business as Jewell Polish Company, Los Angeles, Calif. Auto polish, furniture polish, polishes for glass, chromium and metal, etc. 560,389, June 24; Serial No. 584,512, published Mar. 18, 1952. Class 4.
Stephens, W. E., Mfg. Co, Inc., Nashville, Tenn. Work shirts and work pants and dungarees. 560,562, June 24; Serial No. 612,936, published Apr. 1, 1952. Class 39.
Stokes Molded Products, Inc., Trenton, N. J. Microporous storage battery separators and retainers. 560,581, June 24; Serial No. 613,947, published Feb. 19, 1952. Class 21.
Structural Clay Products Research Foundation, Chicago, Ill. Research and development in new products. 560,646, June 24; Serial No. 614,318, published Apr. 8, 1952. Class 100.
Structural Clay Products Research Foundation, Chicago, Ill. Research and development in new products. 560,647, June 24; Serial No. 614,414, published Apr. 8, 1952. Class 100.
Suds-All Company, Inc., Evanston, Ill. Wetting agent. 560,436, June 24; Serial No. 598,509, published Mar. 25, 1952. Class 6.
Supreme Coat Co., The, Worcester, Mass. Coats and jackets. 560,475, June 24; Serial No. 604,509, published Oct. 9, 1951. Class 39.
Sussman, Wormser & Company, to S and W Fine Foods, Inc., San Francisco, Calif. Canned fruits, canned vegetables, canned berries, etc. 297,242, renewed Sept. 6, 1952. O. G. June 24. Class 46.
Swift & Company, Chicago, Ill. Pullets. 560,382, June 24; Serial No. 583,666, published Feb. 26, 1952. Class 1.
Swiveller Company, Inc., New York, N. Y. Reflectors. 560,482, June 24; Serial No. 604,821, published Mar. 4, 1952. Class 21.
Taylor-Winfield Corporation, The, Warren, Ohio. Electric resistance welding machines. 560,513, June 24; Serial No. 608,638, published Mar. 4, 1952. Class 21.
Teale Machine Company, Rochester, N. Y. Metal tube. 560,653, June 24; Serial No. 558,762. Class 2.
Terwilliger, H. John, Productions: *See*—
Terwilliger, Howard J.
Terwilliger, Howard J., doing business as H. John Terwilliger Productions, Kingston, N. Y. Veterinary medicinal preparation. 560,508, June 24; Serial No. 608,024, published Jan. 22, 1952. Class 18.
Texas Engineering and Manufacturing Company, Inc., Grand Prairie, Tex. Code flashers and airport landing lights. 560,423, June 24; Serial No. 595,921, published Feb. 19, 1952. Class 21.
Thompson, Marvin R., Inc., Stamford, Conn. Medicinal hypotensive agent. 560,598, June 24; Serial No. 615,806, published Feb. 19, 1952. Class 18.
Thornton & Chester Milling Company, Buffalo, N. Y. Flour. 86,478, May 7, 1912. Republished June 24. Class 46.
Three Crowns Laboratories, The: *See*—
Worthington, Edith L.
Thyoquent Laboratories, Inc., Paterson, N. J. Medicated preparation. 560,560, June 24; Serial No. 612,636, published Jan. 22, 1952. Class 18.
Tracy-Burns Enterprises, Inc., Flint, Mich. Cleaning compound. 560,417, June 24; Serial No. 594,928, published Apr. 1, 1952. Class 52.
Trane Company, The, La Crosse, Wis. Refrigeration machines and parts thereof. 560,548, June 24; Serial No. 611,745, published Mar. 25, 1952. Class 31.
Tri-State Plastic Molding Co., Henderson, Ky. Covered plastic boxes. 560,665, June 24; Serial No. 595,481. Class 2.
Troop Water Heater Company, Pittsburgh, Pa. Water purifying and softening apparatus. 560,360, June 24; Serial No. 572,620, published Feb. 19, 1952. Class 31.
Trudy Manufacturing Company: *See*—
McCarter, Gertrude E.
Truscon Steel Company, Youngstown, Ohio. Pallets and platforms. 560,537, June 24; Serial No. 611,205, published Mar. 4, 1952. Class 50.
Tru-Stitch Moccasin Corporation, Malone, N. Y. Women's, misses' and children's shoes, slippers, and moccasins. 560,657, June 24; Serial No. 568,410. Class 39.
Twin Disc Clutch Company, Racine, Wis. Power transmission unit. 560,660, June 24; Serial No. 571,924. Class 23.
Tyler Fixture Corporation, Niles, Mich. Refrigerated display cases. 560,387, June 24; Serial No. 583,828, published Mar. 11, 1952. Class 31.
Tyson Radio Company: *See*—
Mancusi, Attilio.
Uniflow Manufacturing Company, Erie, Pa. Bottle coolers, walk-in cooling cabinets, electric and other refrigerating apparatus, etc. 560,346, June 24; Serial No. 550,467, published Mar. 4, 1952. Class 31.
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass., to The Littleway Process Company, Boston, Mass. Shoes. 293,040, renewed Apr. 5, 1952. O. G. June 24. Class 39.
U. S. Oil Company, East Providence, R. I. Lubricants. 292,693, renewed Mar. 22, 1952. O. G. June 24. Class 15.
United States Plywood Co, Inc., to United States Plywood Corporation, New York, N. Y. Metal-faced plywood and veneer wood. 293,060, renewed Apr. 5, 1952. O. G. June 24. Class 12.
United States Plywood Corporation: *See*—
United States Plywood Co. Inc.
Universal Optical Company, Inc.: *See*—
Universal Optical Corporation.
Universal Optical Corporation, to Universal Optical Company, Inc., Providence, R. I. Eyeglasses and eyeglass mountings or frames and parts thereof. 86,642, re-renewed May 21, 1952. O. G. June 24. Class 26.
Universal Packing & Gasket Co., Houston, Tex. Phenolic base piston rings. 560,473, June 24; Serial No. 604,457, published Apr. 8, 1952. Class 35.
Universal Refining Products Co., Inc., New York, N. Y. Chemical compound. 560,623, June 24; Serial No. 617,682, published Apr. 8, 1952. Class 6.
Valcourt Hosiery Corporation, New York, N. Y. Ladies' hosiery. 560,554, June 24; Serial No. 612,189, published Apr. 1, 1952. Class 39.
Van Cleef Bros., Inc., Chicago, Ill. Adhesive cement. 560,448, June 24; Serial No. 600,999, published Apr. 1, 1952. Class 5.
Van Cleef Bros., Inc., Chicago, Ill. Adhesive tape. 560,449, June 24; Serial No. 601,003, published Apr. 1, 1952. Class 5.
Vanity Fair Mills, Inc.: *See*—
Vanity Fair Silk Mills.
Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Piece goods. 295,008, renewed June 14, 1952. O. G. June 24. Class 42.
Video Corporation of America, Wilmington, Del., and New York, N. Y. Electronic devices. 560,376, June 24; Serial No. 580,701, published Feb. 12, 1952. Class 21.
Virginia Smelting Company, West Norfolk, Va. Composition of zinc hydrosulphite and an organic acid. 560,619, June 24; Serial No. 617,271, published Mar. 25, 1952. Class 6.
Vitramon Incorporated, Easton and Stepney, Conn. Capacitors. 560,517, June 24; Serial No. 609,520, published Feb. 5, 1952. Class 21.
Vichek Tool Company, The, Cleveland, Ohio. Wrenches and wrench sets. 256,631, May 21, 1929. Republished June 24. Class 23.
Walls Manufacturing Co. Inc., Cleburne, Tex. Boys' and girls' outer garments and boys' and girls' underwear. 560,427, June 24; Serial No. 597,184, published Apr. 1, 1952. Class 39.
Ward Products Corporation, The, Cleveland, Ohio. Radio antenna. 560,611, June 24; Serial No. 616,786, published Feb. 26, 1952. Class 21.
Ware Machine Works, Inc., Ware, Mass. Tractor mounted loaders and parts thereof. 560,664, June 24; Serial No. 594,162. Class 23.
Water Treaters, Inc., St. Paul, Minn., assignor to Automatic Pump & Softener Corporation, Rockford, Ill. Water softeners. 560,419, June 24; Serial No. 595,432, published Mar. 25, 1952. Class 31.
Weaver Manufacturing Company, Springfield, Ill. Automobile testing appliances. 293,596, renewed May 3, 1952. O. G. June 24. Class 26.
Welco Manufacturing Company, Incorporated, Kansas City, Mo. Cement base paint. 560,385, June 24; Serial No. 583,505, published Mar. 4, 1952. Class 12.
West Disinfecting Company, Long Island City, N. Y. Antiseptic hand cleanser. 560,529, June 24; Serial No. 610,769, published Mar. 25, 1952. Class 52.
West Disinfecting Company, Long Island City, N. Y. Liquid hand cleaner. 560,530, June 24; Serial No. 610,771, published Apr. 1, 1952. Class 52.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, loose leaf filler paper, etc. 442,716, May 17, 1949. Canceled Mar. 29, 1952. O. G. June 24. Class 37.
White Cat Products Co., San Francisco, Calif. Shoe polish, shoe polishing cream, burnishing ink, etc. 560,416, June 24; Serial No. 594,238, published Apr. 1, 1952. Class 4.
White Laboratories, Inc., Newark, N. J. Dietary supplement preparation. 560,572, June 24; Serial No. 613,149, published Feb. 19, 1952. Class 18.
White, Robert C., Company, Philadelphia, Pa. Detergent. 560,394, June 24; Serial No. 587,920, published Apr. 1, 1952. Class 52.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heaters. 560,678, June 24; Serial No. 609,017. Class 21.
Wiegand, Henry, Corporation, New York, N. Y. Wood working machines. 546,994, Aug. 21, 1951. Canceled May 5, 1952. O. G. June 24. Class 23.
Wiegand, Henry, Corporation, New York, N. Y. Wood working machines. 551,338, Nov. 27, 1951. Canceled May 5, 1952. O. G. June 24. Class 23.
Wilbert Williams Vault Works, Des Moines, Iowa. Burial vaults. 560,666, June 24; Serial No. 597,557. Class 2.

Willow Branch Feed and Grain Co., Inc., Willow Branch, Ind. Farm seeds. 560,515, June 24; Serial No. 609,063, published Feb. 19, 1952. Class 1.

Willson Products, Inc., Reading, Pa. Respirators and gas masks. 560,411, June 24; Serial No. 593,313, published Apr. 1, 1952. Class 44.

Willson Products, Inc., Reading, Pa. Respirators and gas masks. 560,412, June 24; Serial No. 593,315, published Apr. 1, 1952. Class 44.

Wolf Brothers, Inc., Philadelphia, Pa. Paper bags and paper merchandise envelopes. 560,659, June 24; Serial No. 571,592. Class 2.

Worcester Salt Co., New York, N. Y., to Morton Salt Company, Chicago, Ill. Tooth paste, tooth powder, mouth wash. 292,470, renewed Mar. 15, 1952. O. G. June 24. Class 51.

Worthington, Edith L., doing business as The Three Crowns Laboratories, Waterloo, Iowa. Shampoos. 560,509, June 24; Serial No. 608,095, published Apr. 1, 1952. Class 52.

Wrigley, Wm., Jr., Company: *See*— Larson, L. P., Jr., Company.

Yale & Towne Manufacturing Co., The, Stamford, Conn., to The Yale & Towne Manufacturing Company, New York, N. Y. Locks. 293,647, renewed May 3, 1952. O. G. June 24. Class 25.

Yale & Towne Manufacturing Company, The: *See*— Yale & Towne Manufacturing Co., The.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Carmac Coal Company. 560,500–1, June 24; Serial Nos. 607,116–17, published Mar. 11, 1952.

Coal. Holmes-Darst Coal Corporation. 560,552, June 24; Serial No. 611,897, published Feb. 19, 1952.

Cotton for lithographic duplicating. A. B. Dick Company. 560,525, June 24; Serial No. 610,419, published Feb. 19, 1952.

Cotton for lithographic duplicating. A. B. Dick Company. 560,526, June 24; Serial No. 610,424, published Mar. 4, 1952.

Flowers. Clint McDade & Sons, Inc. 560,557, June 24; Serial No. 612,408, published Feb. 12, 1952.

Leather. Dri-Ped Limited. 388,695, July 8, 1941. Republished June 24.

Material in sheet form comprising a vulcanized blend of synthetic resin and synthetic rubber. The Goodyear Tire & Rubber Company. 560,524, June 24; Serial No. 610,363, published Mar. 11, 1952.

Pullets. Swift & Company. 560,382, June 24; Serial No. 583,666, published Feb. 26, 1952.

Rose bushes, shrubs, vines, etc. Economy Nursery Company. 293,842, renewed May 10, 1952. O. G. June 24.

Seeds, Farm. Willow Branch Feed and Grain Co., Inc. 560,515, June 24; Serial No. 609,063, published Feb. 19, 1952.

Shredded plastic film. Diana Manufacturing Company. 560,545, June 24; Serial No. 611,643, published Feb. 19, 1952.

Wood products. Fordom Forest Products Corporation. 560,532, June 24; Serial No. 610,838, published Feb. 19, 1952.

CLASS 2

Bags, Paper, and paper merchandise envelopes. Wolf Brothers, Inc. 560,659, June 24; Serial No. 571,592.

Bags, Shoe. Henri Bendel, Inc. 560,684, June 24; Serial No. 617,082.

Bags, Waxed and unwaxed paper. Grand Bag & Paper Co., Inc. 560,662, June 24; Serial No. 581,186.

Boxes, Covered plastic. Tri-State Plastic Molding Co. 560,665, June 24; Serial No. 595,481.

Buckets, Fire. H. R. Carlough. 284,676, renewed July 7, 1951. O. G. June 24.

Metal tube. Teale Machine Company. 560,653, June 24; Serial No. 558,762.

Vaults, Burial. Williams Wilbert Vault Works. 560,666, June 24; Serial No. 597,557.

CLASS 3

Handbags and pocketbooks. Lessek Bag Inc. 387,573, May 20, 1941. Canceled May 19, 1952. O. G. June 24.

Luggage. R. R. Bright. 335,338, June 2, 1936. Canceled Apr. 17, 1952. O. G. June 24.

CLASS 4

Abrasive compounds, coated abrasive materials, etc. The Clover Manufacturing Company. 560,516, June 24; Serial No. 609,435, published Mar. 18, 1952.

Abrasive grains, sheet material coated with abrasive grains, etc. The Carborundum Company. 560,549, June 24; Serial No. 611,827, published Apr. 1, 1952.

Abrasive grinding wheels. Simonds Worden White Company. 560,364, June 24; Serial No. 574,654, published Apr. 1, 1952.

Chemical fluid for cleaning and polishing. J. H. Pruett. 560,398, June 24; Serial No. 588,707, published Apr. 1, 1952.

Detergent, Soapless. Lorraine Compounds Corporation. 440,419, Aug. 31, 1948. New certificate. O. G. June 24.

Hand cleansing cream, auto finish cleaner, etc. E-Z-R Products Co. 372,166, Oct. 24, 1939. Canceled May 19, 1952. O. G. June 24.

Liquid polish. S. C. Johnson & Son, Inc. 560,373, June 24; Serial No. 580,244, published Mar. 18, 1952.

Polish, Auto, furniture polish, polishes for glass, chromium and metal, etc. W. J. Steele. 560,389, June 24; Serial No. 584,512, published Mar. 18, 1952.

Polish, Metal. Rustaway Corporation. 560,409, June 24; Serial No. 593,086, published Mar. 25, 1952.

Polish, Shoe. Hollywood Shoe Polish Inc. 560,499, June 24; Serial No. 607,022, published Apr. 1, 1952.

Polish, Shoe, shoe polishing cream, burnishing ink, etc. White Cat Products Co. 560,416, June 24; Serial No. 594,238, published Apr. 1, 1952.

Polishing leathers, leather polishing wheels, etc. Greene, Tweed & Co. 560,361–3, June 24; Serial Nos. 573,244–6, published Mar. 25, 1952.

Powder compound for cleaning and polishing tile, etc. Pittsburgh Chemical Laboratory. 560,336, June 24; Serial No. 506,279, published Mar. 25, 1952.

Wax. Black Panther Tool Company. 560,596, June 24; Serial No. 615,679, published Mar. 25, 1952.

Wax, Liquid and paste. C. A. Nash & Son, Inc. 560,615, June 24; Serial No. 617,203, published Apr. 1, 1952.

CLASS 5

Adhesive cement. Van Cleef Bros., Inc. 560,448, June 24; Serial No. 600,999, published Apr. 1, 1952.

Adhesive paste. Binney & Smith Company. 296,868, renewed Aug. 23, 1952. O. G. June 24.

Adhesive tape. Van Cleef Bros., Inc. 560,449, June 24; Serial No. 601,003, published Apr. 1, 1952.

Cement. The National Cash Register Company. 560,514, June 24; Serial No. 608,882, published Apr. 1, 1952.

Film cement. R. J. Fisher. 560,502, June 24; Serial No. 607,423, published Apr. 1, 1952.

Plastic adhesive and sealing product. Goodenow-Morley Company. 560,506, June 24; Serial No. 607,587, published Mar. 25, 1952.

CLASS 6

Amine alginate. Kelco Company. 560,637, June 24; Serial No. 619,704, published Apr. 8, 1952.

Anti-freeze solutions. Monsanto Chemical Company. 560,620, June 24; Serial No. 617,305, published Mar. 25, 1952.

Anti-knock fluid. Ethyl Gasoline Corporation. 292,242, renewed Mar. 8, 1952. O. G. June 24.

Aromatic masking agents. Fritzsche Brothers, Inc. 560,616, June 24; Serial No. 617,241, published Apr. 1, 1952.

Azoic dyestuffs, Stabilized. Alliance Color & Chemical Company. 560,638, June 24; Serial No. 619,733, published Apr. 8, 1952.

Bleach, J. D. Schwartz. 560,374, June 24; Serial No. 580,380, published Apr. 8, 1952.

Chemical compound. Calgon, Incorporated. 560,460, June 24; Serial No. 602,304, published Apr. 8, 1952.

Chemical compound. Universal Refining Products Co., Inc. 560,623, June 24; Serial No. 617,682, published Apr. 8, 1952.

Chemical preparation. Southern Drug Co., Inc. 292,575, renewed Mar. 15, 1952. O. G. June 24.

Chemical preparations. Gevaert Photo-Producten N. V. 560,578, June 24; Serial No. 613,872, published Mar. 18, 1952.

Chemical preparations, Crystalline. Aktiebolaget Bofors. 560,447, June 24; Serial No. 600,937, published Apr. 8, 1952.

Coal tar colors. Ciba Limited. 517,926, Nov. 22, 1940. Canceled May 5, 1952. O. G. June 24.

Composition of zinc hydrosulphite and an organic acid. Virginia Smelting Company. 560,619, June 24; Serial No. 617,271, published Mar. 25, 1952.

Liquefied gas. Shell Oil Company. 292,495, renewed Mar. 15, 1952. O. G. June 24.

Liquefied gas. Shell Oil Company. 292,892, renewed Mar. 29, 1952. O. G. June 24.

Liquefied petroleum gas, butane and propane. Georgia Automatic Gas Company. 560,433, June 24; Serial No. 598,076, published June 5, 1951.

Liquid and gaseous fuels. Petrolane, Ltd. 293,867, renewed May 10, 1952. O. G. June 24.

Liquified petroleum gas. Southern Gas Corporation. 560,621, June 24; Serial No. 617,357, published Mar. 25, 1952.

Mineral oil product. The Procter & Gamble Company. 560,636, June 24; Serial No. 619,359, published Mar. 25, 1952.

Phenolic molding compounds. Plastics Engineering Company. 560,480, June 24; Serial No. 604,609, published Mar. 25, 1952.

Plasticizers. Alkydol Laboratories, Inc. 560,466, June 24; Serial No. 602,817, published Mar. 11, 1952.

Quercitannic extracts. J. G. A. Jarraud. 292,351, renewed Mar. 15, 1952. O. G. June 24.

Regenerating salt. Calgon, Incorporated. 560,639, June 24; Serial No. 622,325, published Apr. 8.

Silicate of soda and silicate of potash. Philadelphia Quartz Company of California. 560,527, June 24; Serial No. 610,630, published Apr. 1, 1952.

Water insoluble wetting out agent. Hart Products Corporation. 560,580, June 24; Serial No. 613,913, published Mar. 25, 1952.

Wetting agent. Suds-All Company, Inc. 560,436, June 24; Serial No. 598,509, published Mar. 25, 1952.

CLASS 7

Rope and cordage, Manila and sisal. Columbian Rope Company. 86,755, re-renewed May 28, 1952. O. G. June 24.

Rope, cord, and twine. American Manufacturing Company. 560,670, June 24; Serial No. 599,802.

CLASS 8

Tobacco-pipes, cigar and cigarette holders. Marechal, Ruchon & Co., Ltd. 86,421, re-renewed May 7, 1952. O. G. June 24.

CLASS 9

Air-guns. Millard Brothers Limited. 560,458, June 24; Serial No. 602,274, published Mar. 25, 1952.

Rifle bullets, rifle bullet jackets, gas checks, etc. Harris Machine Company. 560,618, June 24; Serial No. 617,249, published Apr. 1, 1952.

CLASS 10

Fertilizers. Atkins & Durbrow, Inc. 560,629, June 24; Serial No. 618,279, published Apr. 1, 1952.

Fertilizers and soil treatment preparations. Coahoma Chemical Co., Inc. 560,591, June 24; Serial No. 615,011, published Apr. 1, 1952.

Natural deposit of mineral soil used as a soil conditioner. Soylaid Incorporated. 560,673, June 24; Serial No. 601,955.

Soil conditioner. J. Elson. 560,464, June 24; Serial No. 602,756, published Apr. 1, 1952.

CLASS 12

Asbestos-cement pipe, corrugated asbestos-cement sheets, etc. Johns-Manville Corporation. 560,384, June 24; Serial No. 583,345, published Feb. 19, 1952.

Asbestos-cement siding strips. Eternit, Inc. 297,247, renewed Sept. 6, 1952. O. G. June 24.

Awnings, Rigid metal. All-Weather Aluminum Awnings, Inc. 560,388, June 24; Serial No. 584,476, published Mar. 25, 1952.

Building covering materials. R. S. MacLean. 295,711, renewed July 12, 1952. O. G. June 24.

Carbon paper. F. H. Mahler. 560,512, June 24; Serial No. 608,557, published Apr. 1, 1952.

Cement base paint. Welco Manufacturing Company, Incorporated. 560,385, June 24; Serial No. 583,505, published Mar. 4, 1952.

Cement, Dry refractory. E. J. Lavino and Company. 560,493, June 24; Serial No. 606,147, published Mar. 11, 1952.

Clay brick, Kiln burned. Longmont Brick & Tile Company. 560,463, June 24; Serial No. 602,618, published Mar. 25, 1952.

Coating or lining material. The Atlas Mineral Products Company of Pennsylvania. 560,399, June 24; Serial No. 589,243, published Mar. 25, 1952.

Concrete tile, Smooth-finished, colored. E. M. McCloskey. 560,547, June 24; Serial No. 611,705, published Mar. 25, 1952.

Gates, Farm and ranch, stockyard gates, lawn, ornamental and industrial gates, etc. Alprodco, Inc. 560,484, June 24; Serial No. 605,289, published Mar. 18, 1952.

Paints, putty, varnishes, etc. Colonial Works. 38,841, re-renewed Aug. 26, 1952. O. G. June 24, 1952.

Plywood. Douglas Fir Plywood Association. 560,650, June 24; Serial No. 599,421, published Mar. 18, 1952.

Plywood, Metal-faced and veneer wood. United States Plywood Co. Inc. 293,060, renewed Apr. 5, 1952. O. G. June 24, 1952.

Precision-fitting sections of wall, door and window panels, etc. Prefab Homes and Supplies, Inc. 521,571, Feb. 28, 1950. New certificate. O. G. June 24.

Precision-fitting sections of wall, door and window panels, etc. Prefab Homes and Supplies, Inc. 532,737–9, Oct. 31, 1950. New certificate. O. G. June 24.

Putty. Mautz Paint & Varnish Company. 560,607–9, June 24; Serial Nos. 616,294–6, published Mar. 25, 1952.

Rough and dressed sawn lumber. Northern Spruce Co. Ltd. 560,528, June 24; Serial No. 610,756, published Mar. 11, 1952.

Shingles and sidings, Asbestos cement. The Flintkote Company. 560,605, June 24; Serial No. 616,204, published Mar. 25, 1952.

Tile. Northern Rubber Products, Inc. 560,353, June 24; Serial No. 565,355, published Mar. 25, 1952.

Tiles, Colored opaque glass; multiple glass sheet glazing units, etc. Libbey-Owens-Ford Glass Company. 560,457, June 24; Serial No. 602,038, published Mar. 18, 1952.

CLASS 13

Wooden sticks for carrying frozen confections. Eskimo Pie Corporation. 560,674, June 24; Serial No. 604,576.

CLASS 14

Iron castings. The Ferro Machine & Foundry Company. 297,014, renewed Aug. 30, 1952. O. G. June 24.

Steel. Kennedy-Van Saun Mfg. & Eng. Corporation. 560,488, June 24; Serial No. 605,860, published Apr. 1, 1952.

CLASS 15

Greases, Valve lubricating. Rockwell Manufacturing Company. 560,542, June 24; Serial No. 611,538, published Jan. 29, 1952.

Lubricants. U. S. Oil Company. 292,693, renewed Mar. 22, 1952. O. G. June 24.

Lubricating-oils. Standard Oil Company. 85,922, re-renewed Mar. 26, 1952. O. G. June 24.

Oil, Cylinder. Wm. C. Robinson & Son Co. 85,998, Apr. 2, 1912. Republished June 24.

Oil, Cylinder and engine. Wm. C. Robinson & Son Co. 85,997, Apr. 2, 1912. Republished June 24.

Oil, Lubricating. The Atlantic Refining Company. 560,587, June 24; Serial No. 614,608, published Apr. 1, 1952.

Oil, Valve. Wm. C. Robinson & Son Co. 86,000, Apr. 2, 1912. Republished June 24.

Oils, Lubricating. Standard Oil Company of California. 560,594, June 24; Serial No. 615,504, published Feb. 19, 1952.

Petroleum and products of petroleum. Socony-Vacuum Corporation. 296,244, renewed Aug. 2, 1952. O. G. June 24.

Tool joint compound. Petroleum Distributing Company. 560,365, June 24; Serial No. 575,445, published Jan. 29, 1952.

Wax derived from petroleum. Socony-Vacuum Oil Company, Incorporated. 560,597, June 24; Serial No. 615,798, published Feb. 19, 1952.

CLASS 16

Paints. L. Sonneborn Sons, Inc. 86,105, Apr. 9, 1912. Republished June 24.

Paints and primer, Ready mixed. Kreuter Paint Company. 560,470, June 24; Serial No. 604,011, published Mar. 4, 1952.

CLASS 17

Cigars. Bernardo Moreday y Deben. 88,169, re-renewed Sept. 3, 1952. O. G. June 24.

CLASS 18

Adhesive medicated shields, pads or plasters. The Scholl Mfg. Co., Inc. 295,814, renewed July 12, 1952. O. G. June 24.

Analgesic for the relief of muscular aches and pains. Del-O Company. 560,576, June 24; Serial No. 613,770, published Jan. 22, 1952.

Antibiotic preparation. Chas. Pfizer & Co., Inc. 560,539, June 24; Serial No. 611,368, published Jan. 22, 1952.

Cod-liver oil, general tonics, laxative medicines, etc. F. A. Rubio and R. Roviralta. 281,217, renewed Mar. 10, 1951. O. G. June 24.

Cough preparation. The E. L. Patch Company. 560,592, June 24; Serial No. 615,285, published Feb. 26, 1952.

Cutaneous vasoconstrictor. Kremers-Urban Company. 560,590, June 24; Serial No. 614,948, published Jan. 29, 1952.

Dietary supplement preparation. White Laboratories, Inc. 560,572, June 24; Serial No. 613,149, published Feb. 19 1952.

Ganglionic blocking agents. Ciba Limited. 560,589, June 24; Serial No. 614,618, published Jan. 22, 1952.

Ingestible pill. Pearson Pharmacal Company, Inc. 560,452, June 24; Serial No. 601,395, published Apr. 3, 1951.

Laxative in chewing gum form. Foley & Company. 294,777, renewed June 7, 1952. O. G. June 24.

Laxative or intestinal regulator. Clark Cleveland, Incorporated. 500,326, May 11, 1948. Canceled Apr. 9, 1952. O. G. June 24. (Formerly in Class 6.)

Lubricating jelly. Seabury & Johnson. 291,958, renewed Feb. 23, 1952. O. G. June 24.

Medicated preparation. Thyoquent Laboratories, Inc. 560,560, June 24; Serial No. 612,636, published Jan. 22, 1952.

Medicinal and pharmaceutical preparations. G. D. Searle & Co. 560,593, June 24; Serial No. 615,351, published Feb. 26, 1952.

Medicinal hypotensive agent. Marvin R. Thompson, Inc. 560,598, June 24; Serial No. 615,806, published Feb. 19, 1952.

Medicinal preparation. Amigo Associates. 560,585, June 24; Serial No. 614,480, published Jan. 22, 1952.

Medicinal preparation. The S. E. Massengill Company. 560,393, June 24; Serial No. 587,889, published Feb. 19, 1952.

Medicinal preparation. Organon Inc. 560,498, June 24; Serial No. 606,947, published Feb. 19, 1952.

Medicinal preparation, Veterinary. H. J. Terwilliger. 560,508, June 24; Serial No. 608,024, published Jan. 22, 1952.

Medicinal preparations. The Grove Laboratories, Inc. 560,584, June 24; Serial No. 614,437, published Jan. 22, 1952.

Medicines and pharmaceutical preparations. Ames Company, Inc. 560,583, June 24; Serial No. 614,417, published Jan. 22, 1952.

Nutritional supplement. Essential Products, Inc. 560,426, June 24; Serial No. 596,903, published Feb. 19, 1952.

Ointment. Bio-Cam Products, Inc. 560,588, June 24; Serial No. 614,611, published Apr. 1, 1952.

Patent medicine. P. Kenda. 370,462, Aug. 29, 1939. Canceled May 29, 1952. O. G. June 24. (Formerly in Class 6.)

Penicillin salt. Commercial Solvents Corporation. 560,582, June 24; Serial No. 613,973, published Feb. 19, 1952.

Penicillin-sulfonamide antibacterial preparation. E. R. Squibb & Sons. 560,574, June 24; Serial No. 613,244, published Feb. 19, 1952.

Pharmaceutical preparation. The S. E. Massengill Company. 560,401, June 24; Serial No. 590,676, published Jan. 22, 1952.

Preparation affecting the central nervous system and useful in the therapy of depressive states. Sharpe & Dohme, Incorporated. 560,604, June 24; Serial No. 616,135, published Feb. 26, 1952.

Preparation for the treatment of colds. Pharmaceuticals, Inc. 560,481, June 24; Serial No. 604,802, published Jan. 29, 1952.

Preparation for treating irritations of the skin. W. R. Lecky, Jr. 292,736, renewed Mar. 29, 1952. O. G. June 24.

Product for the treatment of chronic constipation. The Maltine Company. 540,333, Apr. 3, 1951. Canceled May 19, 1952. O. G. June 24.

Salve for the skin and scalp. Mrs. A. S. Lefkoff. 560,357, June 24; Serial No. 570,739, published Nov. 28, 1950.

Solution of iodine and caffeine. Laboratoires Darrasse-Darmex, (Par abréviation Labodar), Societe a Responsabilite Limitee. 560,504, June 24; Serial No. 607,504, published Jan. 22, 1952.

Solutions containing vitamins or constituents thereof and solutions for parenteral therapy. Baxter Laboratories, Inc. 400,680, Mar. 23, 1943. Canceled Apr. 17, 1952. O. G. June 24. (Formerly in Class 6.)

Stomach-bitters. The Hostetter Company. 84,232, Nov. 21, 1911. Republished June 24.

Vaccine. Fromm Laboratories, Inc. 560,600–1, June 24; Serial Nos. 616,025–7, published Feb. 26, 1952.

Vitamin preparation. Smith, Kline & French Laboratories. 560,455, June 24; Serial No. 601,694, published Jan. 22, 1952.

CLASS 19

Bicycles. Aldens, Inc. 560,534, June 24; Serial No. 611,008, published Oct. 30, 1951.

Rear view mirrors. Libbey-Owens-Ford Glass Company. 560,435, June 24; Serial No. 598,423, published Mar. 25, 1952.

CLASS 21

Antenna, Radio. The Ward Products Corporation. 560,611, June 24; Serial No. 616,786, published Feb. 26, 1952.

Antenna rotators. The Alliance Manufacturing Company. 560,377, June 24; Serial No. 580,915, published May 15, 1951.

Battery cables, and battery chargers. The Pure Oil Company. 560,522, June 24; Serial No. 610,023, published Mar. 18, 1952.

Capacitors. Vitramon Incorporated. 560,517, June 24; Serial No. 609,520, published Feb. 5, 1952.

Cartridges for insertion in photoflash guns. Shureflash Laboratory, Inc. 560,672, June 24; Serial No. 600,396.

Code flashers and airport landing lights. Texas Engineering and Manufacturing Company, Inc. 560,423, June 24; Serial No. 395,921, published Feb. 19, 1952.

Dishwashers, Electric. Perry Kilsby, Inc. 560,359, June 24; Serial No. 571,809, published Feb. 12, 1952.

Electric resistance welding machines. The Taylor-Winfield Corporation. 560,513, June 24; Serial No. 608,638, published Mar. 4, 1952.

Electric sewing machine motors. Consolidated Sewing Machine & Supply Co., Inc. 560,533, June 24; Serial No. 610,893, published Mar. 4, 1952.

Electrical apparatus. A. Mancual. 560,422, June 24; Serial No. 595,792, published Feb. 26, 1952.

Electrical capacitors. Cornell-Dubilier Electric Corporation. 560,407, June 24; Serial No. 592,310, published Mar. 4, 1952.

Electrical communication inter-room speech, light and sound signal apparatus, etc. Royal Communication Systems, Inc. 560,519, June 24; Serial No. 609,815, published Feb. 19, 1952.

Electrical goods and apparatus. Edwards and Company, Inc. 294,309–13, renewed May 24, 1952. O. G. June 24.

Electrical goods and apparatus. Edwards and Company, Inc. 294,934, renewed June 14, 1952. O. G. June 24.

Electrical goods and apparatus. Edwards and Company, Inc. 295,938, renewed July 19, 1952. O. G. June 24.

Electrical insulating friction tapes and electrical insulating rubber friction tapes. The Okonite Company. 560,402, June 24; Serial No. 591,100, published Mar. 18, 1952.

Electrical wire, Oil-resistant insulated. Essex Wire Corporation. 560,368, June 24; Serial No. 577,955, published Apr. 1, 1952.

Electrically illuminated display signs. Neon Products, Inc. 560,612, June 24; Serial No. 616,918, published Feb. 26, 1952.

Electronic devices. Video Corporation of America. 560,376, June 24; Serial No. 580,701, published Feb. 12, 1952.

Fans, Electric. Scruggs-Vandervoort-Barney, Inc. 560,451, June 24; Serial No. 601,171, published Feb. 12, 1952.

Floor polishers and parts thereof, Electric. The Hoover Company. 560,675, June 24; Serial No. 604,912.

Food warmers, Electrically operated portable. Seco Company, Inc. 560,347, June 24; Serial No. 554,612, published Mar. 4, 1952.

Garbage grinding and disposal machine, Electric motor driven commercial. The Salvajor Company. 560,367, June 24; Serial No. 576,229, published Mar. 25, 1952.

Heaters, Electric. Edwin L. Wiegand Company. 560,678, June 24; Serial No. 609,017.

Insulating materials, Electrical plastic. The Rex Corporation. 560,507, June 24; Serial No. 607,684, published Jan. 29, 1952.

Reflectors. Swivelier Company, Inc. 560,482, June 24; Serial No. 604,821, published Mar. 4, 1952.

Service centers consisting of a small number of circuit breakers, etc. Heinemann Electric Company. 560,351, June 24; Serial No. 561,465, published Mar. 4, 1952.

Storage batteries. Perrine Quality Products Corporation. 560,518, June 24; Serial No. 609,662, published Feb. 26, 1952.

Storage batteries and parts therefor. Perrine Quality Products Corporation. 560,679, June 24; Serial No. 609,663.

Storage battery separators and retainers, Microporous. Stokes Molded Products, Inc. 560,581, June 24; Serial No. 613,947, published Feb. 19, 1952.

Supporting bases for switch actuating elements. The W. L. Maxson Corporation. 560,487, June 24; Serial No. 605,556, published Jan. 22, 1952.

Telephone and telegraph apparatus and radio apparatus. Federal Telephone & Telegraph Co. 166,470, Apr. 3, 1923. Canceled May 19, 1952. O. G. June 24.

Television receiving sets. Olympic Radio & Television, Inc. 560,491, June 24; Serial No. 606,044, published July 31, 1951.

Toaster, Electric pocket bun. Man-U-Tech, Inc. 560,676, June 24; Serial No. 605,366.

Tuning units for television receivers. Hoffman Radio Corporation. 560,461, June 24; Serial No. 602,398, published Apr. 1, 1952.

Welding apparatus, Electrical. Nelson Specialty Corporation. 560,410, June 24; Serial No. 593,184, published Mar. 18, 1952.

Wires and cables, Electric. General Cable Corporation. 290,091, Dec. 22, 1931. Republished June 24.

CLASS 22

Amusement device. A. N. Schaffhausen, Sr. 560,450, June 24; Serial No. 601,170, published Apr. 1, 1952.

Dolls and doll clothing. J. C. Gray. 560,429, June 24; Serial No. 597,750, published Apr. 1, 1952.

Dolls' clothing. G. M. Raborn. 560,486, June 24; Serial No. 605,439, published Apr. 1, 1952.

Game, Tic-tack-toe. C. H. Luhrs. 560,474, June 24; Serial No. 604,482, published Apr. 1, 1952.

Skates, Roller. H. N. Drucker. 344,907, Apr. 6, 1937. Canceled May 19, 1952. O. G. June 24.

Strings for tennis rackets, etc. Ashaway Line & Twine Mfg. Co. 560,483, June 24; Serial No. 605,133, published Apr. 1, 1952.

Toy, Inflatable. Ideal Toy Corporation. 560,627, June 24; Serial No. 618,235, published Apr. 1, 1952.

Toy pistols and holster sets. J. Halpern Company. 560,511, June 24; Serial No. 608,310, published Apr. 1, 1952.

Toys. American Manufacturing Concern, Inc. 560,453, June 24; Serial No. 601,402, published Apr. 1, 1952.

CLASS 23

Carburetors. Borg-Warner Corporation. 560,349, June 24; Serial No. 555,798, published Jan. 15, 1952.

Chemical fire engines. B. J. Goldstein. 83,246, re-renewed Aug. 29, 1951. O. G. June 24.

Cranes, Mobile logging. Pullman-Standard Car Manufacturing Company. 560,654, June 24; Serial No. 561,569.

Cutlery, Household Company. 560,667, June 24; Serial No. 598,420.

Device for injecting insulating material into the surface of foundations in subsoil. Min-R-L-Rubr Corp. 560,397, June 24; Serial No. 588,378, published Mar. 4, 1952.

Floor surfacing machines, stationary grinders, and portable power operated tools. The Porter-Cable Machine Company. 560,408, June 24; Serial No. 592,517, published Mar. 4, 1952.

High pressure gas well hook up apparatus. The Parkersburg Rig & Reel Company. 560,454, June 24; Serial No. 601,687, published Mar. 4, 1952.

Knife sharpening machines. The Alden Speare's Sons Co. 560,658, June 24; Serial No. 568,870.

Load-lifting and lowering platform and tail-gate assemblies for vehicles, Hydraulically operated combined. The Daybrook Hydraulic Corporation. 560,671, June 24; Serial No. 600,258.

Locomotives and structural parts thereof. American Car and Foundry Company. 560,380, June 24; Serial No. 581,633, published Mar. 11, 1952.

Machines for the paper and cardboard box industry. J. Bobst & Fils S. A. 560,685, June 24; Serial No. 622,989.

Power transmission unit. Twin Disc Clutch Company. 560,660, June 24; Serial No. 571,924.

Rakes and parts thereof, Lawn broom. Geo. H. Maus, Inc. 560,358, June 24; Serial No. 571,695, published Jan. 8, 1952.

Reaping machines, hay-making machinery, hay and grass collecting machinery, etc. Bamfords Limited. 560,378, June 24; Serial No. 580,971, published Mar. 4, 1952.

Road sweepers. Karrier Motors Limited. 560,661, June 24; Serial No. 575,270.

Sewing awl hafts, twin cutters, nail sets, etc. Standard Shoe Machinery Company. 560,340, June 24; Serial No. 534,202, published Mar. 4, 1952.

Shears and scissors. Cutlery Corporation. 560,375, June 24; Serial No. 580,467, published Mar. 4, 1952.

Silencers, snow plows, and manually guided snow throwers. The Maxim Silencer Company. 560,540, June 24; Serial No. 611,443, published Mar. 4, 1952.

Sprayers for spraying liquids. H. D. Hudson Manufacturing Company. 294,185, renewed May 24, 1952. O. G. June 24.

Stapling machines, Hand-operated. Ace Fastener Corporation. 560,425, June 24; Serial No. 596,380, published Feb. 26, 1952.

Tractor mounted loaders and parts thereof. Ware Machine Works, Inc. 560,664, June 24; Serial No. 594,162.

Vibrating screen devices. Productive Equipment Corporation. 560,355, June 24; Serial No. 569,097, published Jan. 8, 1952.

Well drilling machines and parts therefor. The Star Drilling Machine Company. 560,441, June 24; Serial No. 599,395, published Mar. 4, 1952.

Wood working machines. Henry Wiegand Corporation. 546,994, Aug. 21, 1951. Canceled May 5, 1952. O. G. June 24.

Wood working machines. Henry Wiegand Corporation. 551,338, Nov. 27, 1951. Canceled May 5, 1952. O. G. June 24.

Wrenches and wrench sets. The Vlchek Tool Company. 256,631, May 21, 1929. Republished June 24.

CLASS 25

Locks. The Yale & Towne Manufacturing Co. 293,647, renewed May 3, 1952. O. G. June 24.

CLASS 26

Automobile testing appliances. Weaver Manufacturing Company. 293,596, renewed May 3, 1952. O. G. June 24.

Cameras. Compco Corporation. 560,682, June 24; Serial No. 614,539.

Charts, Food-measuring. S. Mayer. 88,011, re-renewed Aug. 20, 1952. O. G. June 24.

Eyeglasses and eyeglass mountings or frames and parts thereof. Universal Optical Corporation. 86,642, re-renewed May 21, 1952. O. G. June 24.

Gages, Dimensional. Niles-Bement-Pond Company. 560,668, June 24; Serial No. 598,670.

Measuring and dispensing apparatus. Mission Dry Corporation. 560,683, June 24; Serial No. 615,565.

Photographic developing-paper. Ansco Company. 86,265, re-renewed Apr. 30, 1952. O. G. June 24.

Tachometer and hour meter, Combination. Dearborn Motors Corporation. 560,430, June 24; Serial No. 597,817, published Mar. 4, 1952.

CLASS 27

Clocks and electric clocks. J. Galter. 560,550–1, June 24; Serial Nos. 611,835–6, published Feb. 26, 1952.

Watches. Benrus Watch Company, Inc. 560,559, June 24; Serial No. 612,529, published Feb. 12, 1952.

Watches. Crawford Watch Corporation. 560,477, June 24; Serial No. 604,520, published Feb. 26, 1952.

Watches. Granat Bros. 560,414, June 24; Serial No. 593,485, published Feb. 12, 1952.

Watches. A. Rüfli-Stämpfli. 560,489, June 24; Serial No. 605,972, published Feb. 26, 1952.

Watches and parts thereof. Alpina Union Horlogère A. G. 560,579, June 24; Serial No. 613,893, published Feb. 12, 1952.

CLASS 28

Badges, Fraternity, lapel buttons; scarf, lapel and breast pins; etc. Alpha Omicron Pi. 293,869, renewed May 10, 1952. O. G. June 24.

Bracelets, Watch. Speidel Corporation. 560,438, June 24; Serial No. 599,059, published Jan. 15, 1952.

Bracelets, Watch. Speidel Corporation. 560,444, June 24; Serial No. 599,847, published Jan. 15, 1952.

Earrings. Adelcia. 560,476, June 24; Serial No. 604,510, published Feb. 26, 1952.

Gems, Unmounted. C. F. Chatham. 560,523, June 24; Serial No. 610,163, published Mar. 4, 1952.

Jewelry and costume jewelry. A. H. Pond Co., Inc. 560,413, June 24; Serial No. 593,440, published Feb. 12, 1952.

Jewelry findings, neck chains and jewelry chains. Nathan Berrie & Sons. 560,556, June 24; Serial No. 612,297, published Mar. 4, 1952.

Jewelry, medals, badges, buckles, etc. Air Force Association. 560,575, June 24; Serial No. 613,661, published Feb. 12, 1952.

Silver flatware. Amston Silver Co., Inc. 560,573, June 24; Serial No. 613,153, published Feb. 12, 1952.

Silver table cutlery. M. W. Field. 560,553, June 24; Serial No. 611,951, published Feb. 26, 1952.

Statues, bracelets, trinklets, etc. Murray Hill Restaurant, Inc. 560,535, June 24; Serial No. 611,186, published Mar. 4, 1952.

Sterling silver hollow ware and silver plated hollow ware. The Fisher Silversmiths, Inc. 560,383, June 24; Serial No. 582,778, published Jan. 30, 1951.

Stones and gems. W. W. Light. 560,546, June 24; Serial No. 611,648, published Mar. 4, 1952.

Unmounted synthetic stones. P. Boone. 560,490, June 24; Serial No. 605,985, published Mar. 4, 1952.

Watch bands, Wrist. Jacques Kreisler Manufacturing Corporation. 560,577, June 24; Serial No. 613,776, published Feb. 12, 1952.

CLASS 30

Articles made of ceramic clay. Pixie Potters. 560,418, June 24; Serial No. 595,154, published Feb. 12, 1952.

China tableware. Shelley Potteries Limited. 560,343, June 24; Serial No. 545,780, published Feb. 12, 1952.

CLASS 31

Coolers, Bottle, walk-in cooling cabinets, electric and other refrigerating apparatus, etc. Uniflow Manufacturing Company. 560,346, June 24; Serial No. 550,467, published Mar. 4, 1952.

Filter unit, External water. Automatic Steam Products Corp. 560,558, June 24; Serial No. 612,431, published Apr. 1, 1952.

Filters, Hydrocarbon oil. Warner Lewis Company. 444,700, June 24; Serial No. 518,331, published Mar. 18, 1952.

Filters, Liquid, filter discs and parts thereof. Alsop Engineering Corporation. 560,503, June 24; Serial No. 607,475, published Feb. 26, 1952.

Filters, Oil, oil filter cartridges. T. S. Lasky. 560,437, June 24; Serial No. 598,859, published Mar. 11, 1952.

Heat exchange units for cooling beverages and similar liquids. The Heat-X-Changer Co., Inc. 560,595, June 24; Serial No. 615,616, published Apr. 1, 1952.

Pre-cut blanks for forming filter bags and wholly prefabricated filter bags. Portland Woolen Mills, Inc. 560,610, June 24; Serial No. 616,608, published Apr. 1, 1952.

Refrigerated display cases. Tyler Fixture Corporation. 560,387, June 24; Serial No. 583,828, published Mar. 11, 1952.

Refrigerating units, Electric. Hotpoint Inc. 560,599, June 24; Serial No. 615,836, published Mar. 11, 1952.

Refrigeration machines and parts thereof. The Trane Company. 560,548, June 24; Serial No. 611,745, published Mar. 25, 1952.

Refrigerators and shelves, Household. Nu-Type Manufacturing and Development Corp. 560,459, June 24; Serial No. 602,281, published Feb. 19, 1952.

Shipping carton or box containing a special refrigerant. W. E. Moore. 560,341, June 24; Serial No. 540,196, published Mar. 18, 1952.

Water purifying and softening apparatus. Troop Water Heater Company. 560,360, June 24; Serial No. 572,620, published Feb. 19, 1952.

Water softeners. Water Treaters, Inc. 560,419, June 24; Serial No. 595,432, published Mar. 25, 1952.

Water softening apparatus. Rheem Manufacturing Company. 560,354, June 24; Serial No. 567,651, published Feb. 26, 1952.

CLASS 33

Glasses, Drinking. Fostoria Glass Company. 560,543, June 24; Serial No. 611,569, published Feb. 26, 1952.

Glasses, Drinking and wine, glass stirrers, glass muddlers, etc. Murray Hill Restaurant, Inc. 560,536, June 24; Serial No. 611,187, published Mar. 4, 1952.

CLASS 34

Heating, cooling, and air conditioning units. Carrier Manufacturing Corporation. 296,732, Aug. 16, 1932. Republished June 24.

CLASS 35

Diaphragms of nylon fabric material coated with rubber. Chicago Bridge & Iron Company. 560,446, June 24; Serial No. 600,462, published Mar. 4, 1952.

Fabric reinforced hose. Anchor Coupling Company, Inc. 560,510, June 24; Serial No. 608,262, published Apr. 8, 1952.

Flexible tubing. The Flexible Tubing Corporation. 560,520, June 24; Serial No. 609,920, published Mar. 25, 1952.

Gasoline hose, distillate hose, tank wagon hose, etc. Lee Rubber & Tire Corporation. 560,403, June 24; Serial No. 592,041, published Mar. 18, 1952.

Hose, Fire. Liberty Fire Apparatus Co., Inc. 435,259–60, Dec. 16, 1947. Canceled May 19, 1952. O. G. June 24.

Hose, Fire. Liberty Fire Apparatus Co., Inc. 441,699, Dec. 28, 1948. Canceled May 19, 1952. O. G. June 24.

Hose, Garden. The Goodyear Tire & Rubber Company. 560,632, June 24; Serial No. 618,851, published Mar. 25, 1952.

Hydraulic and pneumatic packings. Periflex, Inc. 560,624, June 24; Serial No. 617,728, published Apr. 8, 1952.

Metal hose. Pennsylvania Flexible Metallic Tubing Company. 87,919, re-renewed Aug. 13, 1952. O. G. June 24.

Piston rings. Koppers Company, Inc. 560,625, June 24; Serial No. 618,169, published Apr. 8, 1952.

Piston rings. Perfect Circle Corporation. 560,626, June 24; Serial No. 618,178, published Apr. 8, 1952.

Piston rings, Phenolic base. Universal Packing & Gasket Co. 560,473, June 24; Serial No. 604,457, published Apr. 8, 1952.

Tire casings, Pneumatic. The Armstrong Rubber Company. 560,404, June 24; Serial No. 592,065, published Mar. 18, 1952.

Tire casings, Pneumatic. The Armstrong Rubber Company. 560,406, June 24; Serial No. 592,245, published Mar. 25, 1952.

Tires, Vehicle. The Dayton Rubber Company. 560,428, June 24; Serial No. 597,256, published Mar. 25, 1952.

Tube repair kit, fan belts, radiator hose, etc. The Pure Oil Company. 560,472, June 24; Serial No. 604,222, published Apr. 8, 1952.

CLASS 36

Harmonicas. M. Hohner. 88,292–3, re-renewed Sept. 10, 1952. O. G. June 24.

Music boxes and musical movements therefor. Reuge et Cie. 560,468, June 24; Serail No. 603,308, published Mar. 25, 1952.

Musical instrument, Woodwind. Powell Instrument Corporation. 560,390, June 24; Serial No. 585,457, published Mar. 25, 1952.

CLASS 37

Blotting-paper. District of Columbia Paper Mfg. Co. 56,160, Aug. 28, 1906. Canceled May 29, 1952. O. G. June 24.

Corner mounts for photographs. Ace Art Company. 295,372, renewed June 28, 1952. O. G. June 24.

Corner mounts for photographs. Ace Art Company. 296,057, renewed July 19, 1952. O. G. June 24.

Paper, Ledger and bond. Byron Weston Company. 293,696, May 3, 1932. Republished June 24.

Paper, Ledger and bond. Byron Weston Company. 293,760, May 3, 1932. Republished June 24.

Paper, Mimeograph and bond. Oregon Pulp and Paper Co. 293,631, renewed May 3, 1952. O. G. June 24.

Paper tablets, loose leaf filler paper, etc. Western Tablet & Stationery Corporation. 442,716, May 17, 1949. Canceled Mar. 29, 1952. O. G. June 24.

Paper, Tissue. Pond's Extract Company. 292,503, renewed Mar. 15, 1952. O. G. June 24.

Paper, Toilet, paper towels, paper napkins, etc. Fort Howard Paper Company. 297,060, renewed Aug. 30, 1952. O. G. June 24.

Writing instruments. Sloane Pen Company. 514,403, Aug. 30, 1949. Canceled May 15, 1952. O. G. June 24.

CLASS 38

Books. Garden City Publishing Company, Inc. 235,463, Nov. 22, 1947. New certificate. O. G. June 24.

Books. Garden City Publishing Company, Inc. 236,206, Dec. 6, 1927. New certificate. O. G. June 24.

Books. Garden City Publishing Company, Inc. 523,586, Apr. 4, 1950. New certificate. O. G. June 24.

Books. Garden City Publishing Company, Inc. 524,790, May 2, 1950. New certificate. O. G. June 24.

Books. Garden City Publishing Company, Inc. 526,312, June 13, 1950. New certificate. O. G. June 24.

Books. Garden City Publishing Company, Inc. 526,352, June 13, 1950. New certificate. O. G. June 24.

Books. Garden City Publishing Company, Inc. 527,258, July 4, 1950. New certificate. O. G. June 24.

Cartoon strip. King Features Syndicate, Inc. 294,603, renewed June 7, 1952. O. G. June 24.

Publication, Monthly. Ogden-Watney Publishers, Inc. 292,241, renewed Mar. 8, 1952. O. G. June 24.

Publications, Periodical. Signal Oil Company. 553,189, Jan. 8, 1952. New certificate. O. G. June 24.

CLASS 39

Aprons, Women's and misses' textile. L. Nachman & Son, Inc. 560,342, June 24; Serial No. 543,512, published Apr. 1, 1952.

Belts, Elastic body-confining, girdles, brassières, etc. Kops Bros., Inc. 293,875, renewed May 10, 1952. O. G. June 24.

Belts, Men's and boys' leather. Knothe Brothers Co. Inc. 560,561, June 24; Serial No. 612,921, published Mar. 25, 1952.

Belts, Web. Gemsco, Inc. 560,617, June 24; Serial No. 617,243, published Mar. 25, 1952.

Brassières. Caprice of Hollywood. 560,633, June 24; Serial No. 618,882, published Apr. 1, 1952.

Brassières, girdles, and corsets. I. B. Kleinert Rubber Company. 293,972, May 10, 1952. Republished June 24.

Clothing and accessories, Women's, misses' and children's. Spiegel, Inc. 560,614, June 24; Serial No. 617,098, published Mar. 25, 1952.

Clothing, Leather. Greatrex Ltd. 560,434, June 24; Serial No. 598,363, published Apr. 1, 1952.

Clothing, Synthetic rubber. H. A. Greene. 525,217, May 16, 1950. Canceled May 14, 1952. O. G. June 24.

Coats and jackets. The Supreme Coat Co. 560,475, June 24; Serial No. 604,509, published Oct. 9, 1951.

Coats, Men's. Mavest, Inc. 560,655, June 24; Serial No. 562,378.

Corsets, brassières, and combinations of the same. Poirette Corsets, Inc. 290,344, Jan. 5, 1932. Republished June 24.

Corsets, girdles and brassières. Kops Bros., Inc. 294,626, renewed June 7, 1952. O. G. June 24.

Dresses, Women's. George Hess Co. Inc. 352,546, Nov. 30, 1937. Canceled May 19, 1952. O. G. June 24.

Dresses, Women's. Rosen & Son Dress Co., Inc. 560,631, June 24; Serial No. 618,818, published Apr. 1, 1952.

Garments, Boys' and girls' outer, and boys' and girls' underwear. Walls Manufacturing Co. Inc. 560,427, June 24; Serial No. 597,184, published Apr. 1, 1952.

Garments, Men's, boys' and children's outer. Crown Togs Sportswear Co. 560,628, June 24; Serial No. 618,268, published Mar. 25, 1952.

Handkerchiefs. I. Shalom & Co., Inc. 560,669, June 24; Serial No. 599,348.

Hats and hat bodies, Men's, women's, and children's. Merrimac Hat Corporation. 444,699, June 24; Serial No. 507,994, published Apr. 1, 1952.

Hosiery. Lord & Taylor. 88,097, re-renewed Aug. 27, 1952. O. G. June 24.

Hosiery, Ladies'. Best Made Silk Hosiery Company. 560,392, June 24; Serial No. 587,705, published Apr. 1, 1952.

Hosiery, Ladies'. Valcort Hosiery Corporation. 560,554, June 24; Serial No. 612,189, published Apr. 1, 1952.

Hosiery, Men's. Full-Knit Hosiery Mills, Inc. 560,544, June 24; Serial No. 611,571, published Apr. 1, 1952.

Hosiery, Men's, women's, and children's. Lancedale Hosiery Company. 560,462, June 24; Serial No. 602,559, published Apr. 1, 1952.

Hosiery, Women's. Burlington Mills Corporation. 560,555, June 24; Serial No. 612,240, published Apr. 1, 1952.

Hosiery, Women's. Burlington Mills Corporation. 560,613, June 24; Serial No. 617,076, published Apr. 1, 1952.

Hosiery, Women's. S. Joseph. 560,494, June 24; Serial No. 606,780, published Apr. 1, 1952.

Hosiery, Women's. Mammoth Hosiery Mills, Inc. 560,431, June 24; Serial No. 597,965, published Apr. 1, 1952.

Hosiery, Women's. Marilyn Hosiery Mill. 560,432, June 24; Serial No. 597,966, published Apr. 1, 1952.

Hosiery, Women's and misses'. Sears, Roebuck and Co. 560,379, June 24; Serial No. 581,090, published Apr. 1, 1952.

Outer-wear, Knitted articles of. Hawick Knitwear Limited. 560,386, June 24; Serial No. 583,651, published Apr. 1, 1952.

Overall garments. The Grace Company. 560,415, June 24; Serial No. 593,983, published Apr. 1, 1952.

Pajamas, shirts, pants, etc., Boys'. Reliance Manufacturing Company. 560,622, June 24; Serial No. 617,589, published Mar. 25, 1952.

Raincoats, Rubber or rubberized. Archer Rubber Company. 560,352, June 24; Serial No. 565,098, published Mar. 25, 1952.

Shirts and trousers, Work. Ely & Walker Dry Goods Company. 86,520, re-renewed May 14, 1952. O. G. June 24.

Shirts, Work, and work pants and dungarees. W. E. Stephens Mfg. Co. Inc. 560,562, June 24; Serial No. 612,936, published Apr. 1, 1952.

Shoes. United Shoe Machinery Corporation. 293,040, renewed Apr. 5, 1952. O. G. June 24.

Shoes and over shoes. L. B. Herman. 307,202, Oct. 17, 1933. Canceled May 19, 1952. O. G. June 24.

Shoes, slippers, and moccasins, Women's, misses' and children's. Tru-Stitch Moccasin Corporation. 560,657, June 24; Serial No. 568,410.

Slips and petticoats, Ladies' and children's. Perfectform Corporation. 527,957, July 18, 1950. Canceled May 19, 1952. O. G. June 24.

Slips, nightgowns, etc., Ladies' and misses'. J. H. Bisberg. 405,068, Jan. 4, 1944. Canceled May 19, 1952. O. G. June 24.

Suits, Men's three-piece. Foreman & Clark. 560,652, June 24; Serial No. 546,625.

Suits, topcoats, overcoats, etc., Men's and boys'. Atlantic Clothing Co., Inc. 560,630, June 24; Serial No. 618,282, published Mar. 25, 1952.

Suits, topcoats, overcoats, Men's and boys'. Schloss Bros. & Co., Inc. 560,369, June 24; Serial No. 578,289, published Mar. 25, 1952.

Trousers, Men's and boys'. Hubbard Pants Company, Inc. 560,492, June 24; Serial No. 606,143, published Mar. 25, 1952.

Trousers, suits, knickers, breeches, etc. Day's Tailor-D Clothing, Inc. 560,497, June 24; Serial No. 606,858, published Mar. 25, 1952.

Underwear, Ladies'. Julius Kayser & Co. 294,798, renewed June 7, 1952. O. G. June 24.

Underwear, Men's. Sears, Roebuck and Co. 560,356, June 24; Serial No. 570,518, published Oct. 16, 1951.

Underwear, pajamas, robes, etc., Men's, women's, children's. W. H. Fake. 560,405, June 24; Serial No. 592,199, published Mar. 25, 1952.

Underwear, Women's and misses'. Fairy Silk Mills, Inc. 293,637, May 3, 1932. Republished June 24.

CLASS 42

Carpets and rugs, Woven. Hardwick & Magee Company. 87,336, July 9, 1912. Republished June 24.

Corduroys in the piece. A. D. Juilliard & Co., Inc. 293,423, renewed Apr. 19, 1952. O. G. June 24.

Corduroys in the piece. A. D. Juilliard & Co., Inc. 293,789, renewed May 3, 1952. O. G. June 24.

Fabrics in the piece, Pile. Sidney Blumenthal & Co., Inc. 295,011, renewed June 14, 1952. O. G. June 24.

Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 519,528, Jan. 3, 1950. Canceled May 29, 1952. O. G. June 24.

Fabrics in the piece, Woven, netted and knitted. Clarence S. Brown & Co., Inc. 382,366, Oct. 22, 1950. Canceled May 19, 1952. O. G. June 24.

Piece goods. Vanity Fair Silk Mills. 295,008, renewed June 14, 1952. O. G. June 24.

CLASS 43

Yarn. Clarence L. Meyers & Co. 560,634, June 24; Serial No. 618,982, published Apr. 1, 1952.

Yarns, Wool. Spinnerin Yarn Co., Inc. 560,635, June 24; Serial No. 619,042, published Apr. 1, 1952.

CLASS 44

Apparatus for use in the transfusion of blood and parenteral liquids. Baxter Laboratories, Inc. 365,142, Feb. 21, 1939. Canceled Apr. 18, 1952. O. G. June 24.

Apparatus for use in the transfusion of blood, etc. Baxter Laboratories, Inc. 383,660, Dec. 17, 1940. Canceled Apr. 17, 1952. O. G. June 24.

Apparatus for use in the transfusion of blood, and the preparation of the liquid constituents thereof, etc. 391,581, Nov. 18, 1941. Canceled Apr. 17, 1952. O. G. Baxter Laboratories, Inc. 391,581, Nov. 18, 1951. Canceled Apr. 17, 1952. O. G. June 24.

Bag containing a pessary and vaginal creams and jellies. Ortho Pharmaceutical Corporation. 560,424, June 24; Serial No. 596,355, published Apr. 1, 1952.

Corn, callous, and bunion pads. Arrowsmith Manufacturing Company. 295,049, renewed June 14, 1952. O. G. June 24.

Dental prostheses. Coe Laboratories, Inc. 377,919, May 21, 1940. Canceled May 16, 1952. O. G. June 24.

Dental prostheses. Coe Laboratories, Inc. 407,734, June 20, 1944. Canceled May 21, 1952. O. G. June 24.

Laryngeal airways, laryngoscopes, oxygen meters, and oxygen tents. The Foregger Company, Inc. 560,396, June 24; Serial No. 588,293, published Apr. 1, 1952.

Materials for the production of dental prothesis plates. E. Märki. 560,391, June 24; Serial No. 587,557, published Apr. 1, 1952.

Respirators and gas masks. Willson Products, Inc. 560,411, June 24; Serial No. 593,313, published Apr. 1, 1952.

Respirators and gas masks. Willson Products, Inc. 560,412, June 24; Serial No. 593,315, published Apr. 1, 1952.

Sanitary napkins. Beltx Corporation. 293,000, renewed Apr. 5, 1952. O. G. June 24.

CLASS 45

Soft drinks, Non-alcoholic, non-cereal, maltless, and flavoring extracts. Green & Green. 524,852, May 2, 1950. Canceled May 19, 1952. O. G. June 24.

CLASS 46

Bacon. Armour and Company. 560,339, June 24; Serial No. 531,421, published Apr. 1, 1952.

Bread. O. T. Cook, Sr. 560,606, June 24; Serial No. 616,223, published Feb. 19, 1952.

Cakes, biscuits, puddings, etc. Scribbans & Company Limited. 289,601, renewed Dec. 1, 1951. O. G. June 24.

Candy. The Great Atlantic and Pacific Tea Company. 560,681, June 24; Serial No. 613,709.

Candy. Hoben Candy Corp. 560,677, June 24; Serial No. 608,111.

Candy. I. Kosloff & Sons, Inc. 295,562, renewed July 5, 1952. O. G. June 24.

Candy and confections of all kinds. Huyler's. 37,504, Dec. 24, 1901. Republished June 24.

Canned fruits and vegetables; and frosted, frozen, and ice fresh fruits and vegetables. H. C. Hemingway & Company, Inc. 295,696, renewed July 12, 1952. O. G. June 24.

Canned fruits, canned vegetables, canned berries, etc. Sussman, Wormser & Company. 297,242, renewed Sept. 6, 1952. O. G. June 24.

Canned soups; canned and powdered soup bases, cubes and powder, etc. Fino Fabrieken. 560,656, June 24; Serial No. 565,253.

Caviar. S. Polychronopoulos. 311,412, Mar. 20, 1914. Canceled May 29, 1952. O. G. June 24.

Chewing-gum. L. P. Larson, Jr., Company. 85,910, renewed Mar. 26, 1952. O. G. June 24.

Coffee flavored candies, solid chocolate, assorted chocolate, etc. Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao & Chocoladefabrieken. 292,512, renewed Mar. 15, 1952. O. G. June 24.

Dietary substitute for table salt. Live Food Products Co. 560,680, June 24; Serial No. 612,298.

Flavourings, Concentrated powdered. A. Boake, Roberts & Company Limited. 560,345, June 24; Serial No. 549,878, published Mar. 25, 1952.

Flour. Thornton & Chester Milling Company. 86,478, May 7, 1912. Republished June 24.

Ice cream. G. P. Gundlach & Co., Inc. 560,456, June 24; Serial No. 601,866, published Feb. 26, 1952.

Kippered herring, Fresh frozen. British Kipper Exporters, Limited. 560,479, June 24; Serial No. 604,559, published Feb. 26, 1952.

Mayonnaise, peanut butter, and fruit in sugar. Anc-Co Preserving Co. 219,358, Oct. 19, 1926. Republished June 24.

Oysters, Fresh. The Great Atlantic and Pacific Tea Company. 296,883, renewed Aug. 23, 1952. O. G. June 24.

Peanut butter. Sessions Company, Inc. 338,173, Sept. 1, 1936. Republished June 24.

Salad and cooking oil. A. E. Staley Manufacturing Company. 293,393, renewed Apr. 19, 1952. O. G. June 24.

Seasoning. Glen Hall Brands. 560,663, June 24; Serial No. 590,977.

Spaghetti dinners. J. Marchetti. 292,515, renewed Mar. 15, 1952. O. G. June 24.

Spread. G. E. McCarter. 560,442, June 24; Serial No. 599,517, published Mar. 25, 1952.

Tea, cocoa, coffee, etc. Norwine Coffee Company. 296,714, renewed Aug. 16, 1952. O. G. June 24.

Wheat-flour. The Southwestern Milling Company. 89,587, Dec. 24, 1912. Restricted. O. G. June 24.

CLASS 47

Wine. C. J. Skouras. 391,053, Oct. 21, 1941. Canceled May 19, 1952. O. G. June 24.

CLASS 49

Liquors. Rocher Frères. 87,369, re-renewed July 9, 1952. O. G. June 24.

Whiskey. L. Motlow. 298,102, renewed Oct. 11, 1952. O. G. June 24.

Whisky, Scotch. McKesson & Robbins Incorporated. 329,093, Oct. 15, 1935. Republished June 24.

CLASS 50

Decorative miniature cones. H. Shapiro. 560,381, June 24; Serial No. 582,461, published Mar. 4, 1952.

Hog feeders; portable hog waterers, and portable stock fountains. Columbian Steel Tank Company. 560,370, June 24; Serial No. 578,377, published Feb. 26, 1952.

Pallets and platforms. Truscon Steel Company. 560,537, June 24; Serial No. 611,205, published Mar. 4, 1952.

Protective and cushioning mats and rugs. American Mat Corporation. 560,471, June 24; Serial No. 604,177, published Feb. 26, 1952.

Wool felt. American Felt Company. 297,043, renewed Aug. 30, 1952. O. G. June 24.

CLASS 51

Cold permanent hair waving solution, and hair dressing. Helene Curtis Industries, Inc. 560,443, June 24; Serial No. 599,817, published Mar. 11, 1952.

Cosmetic kits. Richard Hudnut. 560,439, June 24; Serial No. 599,097, published Mar. 11, 1952.

Dentifrice. Luyties Pharmacal Company. 560,586, June 24; Serial No. 614,559, published Mar. 25, 1952.

Deodorant, Cream. E. G. Alexander. 560,538, June 24; Serial No. 611,209, published Mar. 11, 1952.

Hair coloring preparation. The Kenton Pharmacal Co. 560,603, June 24; Serial No. 616,110, published Mar. 25, 1952.

Hand cream, hand lotion, cleansing cream, etc. Amole, Incorporated. 560,469, June 24; Serial No. 603,720, published Mar. 11, 1952.
Lanolin, Toilet. Brunswig Drug Company. 416,858, Oct. 2, 1945. Restricted. O. G. June 24. (Formerly in Class 6.)
Lipstick. Dana Perfumes, Inc. 560,563–5, June 24; Serial No. 612,948–50, published Mar. 25, 1952.
Lipstick. Dana Perfumes, Inc. 560,566, June 24; Serial No. 612,953, published Mar. 25, 1952.
Lipstick. Dana Perfumes, Inc. 560,567, June 24; Serial No. 612,956, published Mar. 25, 1952.
Lipstick. Dana Perfumes, Inc. 560,568, June 24; Serial No. 612,957, published Mar. 25, 1952.
Lipstick. Dana Perfumes, Inc. 560,569, June 24; Serial No. 612,958, published Mar. 25, 1952.
Lipstick. Dana Perfumes, Inc. 560,570, June 24; Serial No. 612,960, published Mar. 25, 1952.
Lipstick and nail lacquer. Richard Hudnut. 560,571, June 24; Serial No. 613,072, published Mar. 25, 1952.
Lotion, Body. Coty, Inc. 560,496, June 24; Serial No. 606,855, published Mar. 11, 1952.
Perfume, cologne, skin lotion, etc. Jacqueline Cochran, Inc. 560,531, June 24; Serial No. 610,780, published Mar. 11, 1952.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 297,065. renewed Aug. 30, 1952. O. G. June 24.
Perfumes. I. F. Craft. 560,400, June 24; Serial No. 590,649, published Mar. 11, 1952.
Perfumes, face creams, rouge. Societe Anonyme, Blenaime. 560,344, June 24; Serial No. 547,159, published Mar. 11, 1952.
Perfumes, toilet waters, and colognes. Societe d'Etudes et d'Expansion de la Parfumerie de Luxe. 560,440, June 24; Serial No. 599,271, published Mar. 18, 1952.
Shaving cream and shampoo. Sears, Roebuck and Co. 560,350, June 24; Serial No. 559,337, published Apr. 1, 1952.
Toothpaste. Bristol-Myers Company. 560,337, June 24; Serial No. 515,744, published Mar. 4, 1952.
Tooth paste, tooth powder, mouth wash. Worcester Salt Co. 292,470, renewed Mar. 15, 1952. O. G. June 24.

CLASS 52

Cation-active acid detergent and cleaning composition. Refined Products Corporation. 560,495, June 24; Serial No. 606,807, published Apr. 1, 1952.
Cleaner, Household. Johnson Products Company. 560,338, June 24; Serial No. 529,466, published July 18, 1950.
Cleaner, Liquid hand. West Disinfecting Company. 560,530, June 24; Serial No. 610,771, published Apr. 1, 1952.
Cleaning compound. Tracy-Burns Enterprises, Inc. 560,417, June 24; Serial No. 594,928, published Apr. 1, 1952.
Cleanser, Antiseptic hand. West Disinfecting Company. 560,529, June 24; Serial No. 610,769, published Mar. 25, 1952.
Detergent. E. A. Gerlach Company, Inc. 560,505, June 24; Serial No. 607,585, published Apr. 1, 1952.
Detergent. Robert C. White Company. 560,394, June 24; Serial No. 587,920, published Apr. 1, 1952.
Detergent, Liquid, and solid detergent. Fels & Company. 560,467, June 24; Serial No. 603,185, published Mar. 18, 1952.
Detergents. American Alcolac Corporation. 560,372, June 24; Serial No. 580,167, published Mar. 25, 1952.
Dye and cleaner, Combination. Advance Colors, Inc. 560,521, June 24; Serial No. 609,995, published Mar. 11, 1952.
Industrial solvents. J. A. MacArthur. 560,445, June 24; Serial No. 599,955, published Mar. 18, 1952.
Ink eradicator. Keuffel & Esser Company. 560,465, June 24; Serial No. 602,765, published Mar. 25, 1952.
Insecticides; disinfectants, deodorants, etc. Chemical Manufacturing & Distributing Company. 444,698, June 24; Serial No. 487,353, published Jan. 29, 1952.
Preparation for cleaning metal surfaces etc. Parker Rust-Proof Company. 292,282, renewed Mar. 8, 1952. O. G. June 24.
Shampoos. Quality Chemists, Inc. 560,541, June 24; Serial No. 611,530, published Mar. 25, 1952.
Shampoos. E. L. Worthington. 560,509, June 24; Serial No. 608,095, published Apr. 1, 1952.
Soap. Packers Tar Soap, Inc. 560,395, June 24; Serial No. 588,104, published Mar. 25, 1952.
Soap, Dry cleaning. Huntington Laboratories, Inc. 560,420, June 24; Serial No. 595,723, published Mar. 5, 1952.
Soap, Liquid. T. W. Parks. 560,421, June 24; Serial No. 595,735, published Mar. 18, 1952.
Soap, Liquid synthetic. Finger Lakes Chemical Company, Inc. 560,366, June 24; Serial No. 576,116, published Mar. 25, 1952.
Soap, Toilet. Colgate-Palmolive-Peet Company. 297,204, renewed Sept. 6, 1952. O. G. June 24.
Soap, Toilet. Windsor Roberts Soap Co. Ltd. 560,478, June 24; Serial No. 604,548, published Mar. 18, 1952.
Softening preparation. R. Laubly. 560,348, June 24; Serial No. 555,758, published Dec. 26, 1950.
Solvents, Chlorinated. Merchants Chemical Company, Inc. 560,371, June 24; Serial No. 578,695, published Mar. 4, 1952.
Surface-active agent and detergent. Alrose Chemical Company. 560,485, June 24; Serial No. 605,395, published Apr. 1, 1952.

CLASS 100

Aerial photography. M. Klaw. 560,686, June 24; Serial No. 540,079.
Hotel development services. Intercontinental Hotels Corporation. 560,641, June 24; Serial No. 566,150, published Apr. 8, 1952.
Organizing of chapters in a national collegiate fraternity, etc. The Grand Chapter of Phi Sigma Kappa. 560,651, June 24; Serial No. 599,760, published Apr. 1, 1952.
Research and development in new products. Structural Clay Products Research Foundation. 560,646, June 24; Serial No. 614,318, published Apr. 8, 1952.
Research and development in new products. Structural Clay Products Research Foundation. 560,647, June 24; Serial No. 614,414, published Apr. 8, 1952.
Restaurant services. C. S. Allis. 560,644, June 24; Serial No. 609,350, published Apr. 8, 1952.

CLASS 101

Advertising and sales promotion services. L. P. Bott, Jr. 560,643, June 24; Serial No. 608,490, published Apr. 1, 1952.

CLASS 102

Service consisting of accepting savings and making loans. Glendale Federal Savings & Loan Association. 560,642, June 24; Serial No. 600,722, published Mar. 18, 1952.

CLASS 103

Treating bowling pins, tool handles, and other articles. Mason Plastics Co., Inc. 560,645, June 24, 1952; Serial No. 609,638, published Apr. 8, 1952.

CLASS 105

Air transportation. Chicago & Southern Air Lines, Inc. 560,649, June 24; Serial No. 615,155, published Apr. 1, 1952.
Moving, transfer, and storage of all types of household and office furniture and equipment. H. E. Brinkerhoff and Sons Transportation Co. 560,648, June 24; Serial No. 615,151, published Apr. 1, 1952.
Transportation of freight by automobile truck. J. F. Martin Cartage Co. 560,640, June 24; Serial No. 546,007, published Apr. 1, 1952.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clearing Machine Corporation, assignee: *See*—
Johansen, Elnar K.
Dickhauser, Ewald: *See*—
Voss, Arthur, and Dickhauser.
General Aniline & Film Corporation, assignee: *See*—
Voss, Arthur, and Dickhauser.
General Aniline and Film Corporation, assignee: *See*—
Voss, Arthur, and Dickhauser.
Johansen, Elnar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Crankshaft bearing assembly. Re. 23,513, June 24.
Miner, W. H., Inc., assignee: *See*—
Withall, William E.
Voss, Arthur, deceased, Frankfort/Main-Unterliederbach, Germany, by General Aniline and Film Corporation, New York, N. Y., assignee, and E. Dickhauser, Frankfort/Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Artificial resins and making them. Re. 23,514, June 24.
Withall, William E., Hinsdale, assignor to W. H. Miner, Inc., Chicago, Ill. Friction snubber for railway car truck springs. Re. 23,515, June 24.

LIST OF PLANT PATENTEES

Arnold-Fisher Company, assignee: *See*—
Fisher, Esther G.
Fisher, Esther G., assignor to Arnold-Fisher Company, Woburn, Mass. Rose plant. 1,109, June 24.
Hastie, Carlisle N., Jr., Charleston, S. C. Camellia plant. 1,107, June 24.
Maarse, Gerrit, Aalsmeer, assignor to J. Spek, Boskoop, Netherlands. Syringa vulgaris plant. 1,108, June 24.
Spek, Jan, assignee: *See*—
Maarse, Gerrit.

LIST OF DESIGN PATENTEES

Andrews, O. B., Company, assignee: *See*—
Pennebaker, Lewis C.
Apple, Edward M., Grosse Pointe Woods, Mich. Fountain brush. 167,064, June 24.
Bernard Edward Co., assignee: *See*—
Yellin, Bernard.
Bohanan, Manson O., Knoxville, Tenn. Door mat. 167,065, June 24.
Broil-Quik, Inc., assignee: *See*—
Steinbook, Max.
Bronson, Robert U., Eugene, Oreg. Game board. 167,066, June 24.
Caird, Peter, Santa Rosa, Calif. Fire hose nozzle. 167,067, June 24.
Chase, Juanita, San Francisco, Calif. Figurine. 167,068, June 24.
Clampa, Lincoln L.: *See*—
Martial, Jacques, and Clampa.
Clark, Edith J., assignee: *See*—
Salmon, Berle B.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Davis, Jack: *See*—
Davis, Stella and J.
Davis, Stella and J., London, England. Plate. 167,069, June 24.
Davis, Stella and J., London, England. Plate. 167,070, June 24.
Davis, Stella and J., London, England. Plate. 167,071, June 24.
Flautt, John B., Swampscott, Mass. Sandal. 167,072, June 24.
Fram Corporation, assignee: *See*—
Kamrath, Herbert G.
Friedman, Rose T., Scranton, Pa. Child's playsuit. 167,073, June 24.
Gerson, Samuel L., Wilmington, Del. Guard for a toilet paper fixture. 167,074, June 24.
Graber, Milton S., Lawrence, assignor to Harry Rosenfeld, Inc., New York, N. Y. Handbag. 167,075, June 24.
Gross, Martin A., Fairborn, Ohio. Smoker's pipe. 167,076, June 24.
Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Combined barbecue meat cooker and bun toaster. 167,077, June 24.
Harrowe, Elliott, Hollis, N. Y. Inflatable water toy. 167,078, June 24.
Heffern, William L., St. Petersburg, Fla. Leveling support for carpenter's level. 167,079, June 24.
Helmco, Inc., assignee: *See*—
Gunther, Frederick F.
Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Hanging lantern. 167,080, June 24.
Huegel, Eduard R., Brooklyn, assignor to Rambusch Decorating Company, New York, N. Y. Ceiling lighting fixture. 167,081, June 24.
Kamrath, Herbert G., Barrington, R. I., assignor to Fram Corporation. Cover for a filter. 167,082, June 24.
Karoff, Robert B., assignor to Novelty Utilities, Inc., New York, N. Y. Combined serving tray, glass caddy, and ice bucket. 167,083, June 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 167,084, June 24.
Kaufer, Arthur R., Kew Garden Hills, assignor to Quality Importers, Inc., New York, N. Y. Bottle. 167,085, June 24.
Kaufer, Arthur R., Kew Garden Hills, assignor to Quality Importers, Inc., New York, N. Y. Bottle stopper. 167,086, June 24.
Kenco Products Corporation, assignee: *See*—
Steele, Vernon P.
Knapp-Monarch Company, assignee: *See*—
Moore, Walter E.
Kyte, Thomas W., New York, N. Y. Pickle assortment container. 167,087, June 24.
Laughlin, Clayton A., Minneapolis, assignor to Northwest Plastics, Incorporated, St. Paul, Minn. Utility spoon. 167,088, June 24.
Leight, Charles, Los Angeles, Calif. Noise eliminator cap unit. 167,089, June 24.
Lines Bros. Limited, assignee: *See*—
Lines, George E.
Lines, George E., Kingswood, assignor to Lines Bros. Limited, Merton, London, England. Child's tricycle. 167,090, June 24.
Martial, Jacques, Great Neck, and L. L. Clampa, assignors to United States Electric Mfg. Corp., New York, N. Y. Brooch or similar article. 167,091, June 24.
Modern Color, Inc., assignee: *See*—
Tuttle, Paul.
Monroe, Harry E., Los Angeles, Calif. Boot for dogs. 167,092, June 24.
Moore, Walter E., assignor to Knapp-Monarch Company, St. Louis, Mo. Fan. 167,093, June 24.
Motor Products Corporation, assignee: *See*—
Walter, John H.
Myers, Clifford R., Bloomington, Ind. Scoreboard for wrestling matches. 167,094, June 24.
Northwest Plastics, Incorporated, assignee: *See*—
Laughlin, Clayton A.
Novelty Utilities, Inc., assignee: *See*—
Karoff, Robert B.
Pennebaker, Lewis C., assignor to O. B. Andrews Company, Chattanooga, Tenn. Paperboard tray. 167,095, June 24.
Perl, Frederick W., Mansfield, Ohio. assignor to Westinghouse Electric Corporation. Pressing iron. 167,096, June 24.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 167,097, June 24.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,098, June 24.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 167,099, June 24.
Phillips, George L., Newkirk, and L. E. Terry, Ponca City, Okla. Cigarette service tray. 167,100, June 24.
Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 167,101, June 24.
Quality Importers, Inc., assignee: *See*—
Kaufer, Arthur R.
Rambusch Decorating Company, assignee: *See*—
Huegel, Edward R.
Rose, Henry, New York, N. Y. Textile fabric. 167,102, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,103, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,104, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,105, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,106, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,107, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,108, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,109, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,110, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,111, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,112, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,113, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,114, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,115, June 24.
Rose, Henry, New York, N. Y. Textile fabric. 167,116, June 24.
Rosenfeld, Harry, Inc., assignee: *See*—
Graber, Milton S.
Salmon, Berle B., Montreal, Quebec, assignor to E. J. Clark, Westmont, Quebec, Canada. Combined bank and picture frame. 167,117, June 24.
Shaw, Rinda, Chicago, Ill. Pie dough cutter. 167,118, June 24.
Shott, Allen T., Cincinnati, Ohio. Ironer stand. 167,119, June 24.
Sorrentino, Vincent, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring. 167,120, June 24.
Steele, Vernon P., Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y. Fruit juice dispenser. 167,121, June 24.
Steinbook, Max, assignor to Broil-Quik, Inc., New York, N. Y. Electric broiler. 167,122, June 24.
Teague, James, Chicago, Ill. Baking pan. 167,123, June 24.
Terry, Louis E.: *See*—
Phillips, George L., and Terry.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Tuttle, Paul, assignor to Modern Color, Inc., Los Angeles, Calif. Sofa or similar article. 167,124, June 24.
Tuttle, Paul, assignor to Modern Color, Inc., Los Angeles, Calif. Stool. 167,125, June 24.
Uncas Manufacturing Company, assignee: *See*—
Sorrentino, Vincent.
United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Punzak, Joseph F.
United States Electric Mfg. Corp., assignee: *See*—
Martial, Jacques, and Clampa.
Walter, John H., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Handle for a home freezer. 167,126, June 24.
Westinghouse Electric Corporation, assignee: *See*—
Perl, Frederick W.
Willis, Harry G., Blackwood, South Australia, Australia. Disposable syringe. 167,127, June 24.
Yellin, Bernard, assignor to Bernard Edward Co., Chicago, Ill. Drapery mounting ring. 167,128, June 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. R. D. Corporation, assignee: *See*—
Guelph, John D.
Abbott Laboratories, assignee: *See*—
Weston, Arthur W.
Ackell, Joseph J., Bellaire, N. Y., assignor, by mesne assignments, to Dow Jones & Company, Inc., Wilmington, Del. Apparatus for applying designs to surfaces. 2,601,356, June 24.
Admiral Corporation, assignee: *See*—
Morton, Evans T., and Heidenblut.
Air Purification, Inc., assignee: *See*—
Hardy, Gordon W., Ray, and Carle.
Alexander, Guy B., Parma, R. K. Iler, Cleveland Heights, and F. J. Wolter, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing built-up silica particles. 2,601,235, June 24.
Allbritton, Owen S., Clearwater, Fla. Folding classification table. 2,601,357, June 24.
Allen, Paul E., Skokie, Ill. Auto bed. 2,601,488, June 24.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Tanke, Willard H.
Allman, Edward J., Bromborough, Wirral, and E. Yould, Frodsham, England, assignors to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 2,601,423, June 24.
American Cyanamid Company, assignee: *See*—
Daniel, John H., Jr., Wilson, Hastings, and Landes.
Kienle, Roy H., and Peiker.
Thomas, Walter M., and Kropa.
Tullsen, Volney.
Tullsen, Volney, and Pfeiffer.
Wilson, Lucius H., Landes, and Maxwell.
American Hair & Felt Company, assignee: *See*—
Clements, Arthur L.
American Machine and Foundry Company, assignee: *See*—
Jensen, Thornod.
Ancet, Victor M. J., Lyon, France. Circular loom. 2,601,358, June 24.
Anxionnaz, Rene: *See*—
Imbert, Roger J., and Sédille.
Archer-Daniels-Midland Company, assignee: *See*—
Slotter, Richard L.
Armstrong Cork Company, assignee: *See*—
Navikas, Victor A.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Brady, James M.
Ellis, Grenville B.
Asten, William P., Saddle River, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Facsimile machine. 2,601,236, June 24.
Autogiro Company of America, assignee: *See*—
Stanley, Paul H.
Automatic Electric Laboratories, Inc., assignee: *See*—
Bartelink, Everhard H. B.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Baker, George T.
Autopoint Company, assignee: *See*—
Krause, Richard S., and Seibert.
Avco Manufacturing Corporation, assignee: *See*—
Thomas, Benjamin D.
Babros, Joseph H., and J. Komada, Los Angeles, Calif. Fireplace screen. 2,601,489, June 24.
Bailey, David R., Sacramento, Calif. Apparatus for splitting almonds. 2,601,490, June 24.
Baker, Craig C., Los Angeles, Calif. Tie holder. 2,601,424, June 27.
Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Measuring arrangements. 2,601,491, June 24.
Baker, George T., assignor to Automatic Telephone & Electric Company Limited, Liverpool, England. Measuring arrangements. 2,601,492, June 24.
Ballou, Charles O., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation measuring instrument. 2,601,583, June 24.
Barlow, Benjamin W., Sudbury, Wembley, assignor to D. Napier & Son Limited, London, England. Internal-combustion engine. 2,601,584, June 24.
Barr, John L., Baltimore, Md. Cooler and carbonator. 2,601,493, June 24.
Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Carboxyphenylpolysiloxanes. 2,601,237, June 24.
Bartelink, Everhard H. B., Bronxville, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill. Supervisory signaling circuits for carrier wave communication systems and the like. 2,601,425, June 24.
Bateman, Norman S., assignor to Construction Improvements Limited, Toronto, Ontario, Canada. Cableway. 2,601,585, June 24.
Baule, Gerhard H. J., assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Ejector mechanism for automatic bar feeds. 2,601,494, June 24.
Baumann, Harry P., Milwaukee, Wis. Protective device. 2,601,426, June 24.
Beard, Ernest G., Willoughby, New South Wales, Australia, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wave length modulator. 2,601,427, June 24.
Beatty, Charles G., Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Measuring apparatus. 2,601,678, June 24.
Bell, Russell N., Chicago Heights, Ill., assignor to Victor Chemical Works. Dentifrice polishing composition. 2,601,238, June 24.
Bell, Samuel D., Keego Harbor, Mich. Self-feathering fan. 2,601,495, June 24.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dienel, Hans F., and Teal.
Lacy, Lester Y.
Mohr, Milton E.
Oliver, Bernard M.
Bendix Aviation Corporation, assignee: *See*—
Fisher, Marcus C.
Kasten, Walter.
Prather, Edwin E.
Price, Earl R.
Price, Harold W.
Berwick, Albert G., Streatham, London, assignor, by mesne assignments, to Gaskell & Chambers Limited, Birmingham, England. Takedown liquid measuring dispenser having resiliently connected inlet and outlet valves. 2,601,359, June 24.
Bessonnet, Auguste J., and P. C. Borel, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation, New York, N. Y. Substituting keyboards for dials in telegraph systems. 2,601,239, June 24.
Bishop, Eugene T.: *See*—
McMillan, Frank M., and Bishop.
Black, Sivalls & Bryson, Inc., assignee: *See*—
Kimmell, Garman O.
Blackshear, Roy S., Hilo, Territory of Hawaii. Automatic spatula. 2,601,360, June 24.
Blair, Robert H., assignor to The Taylor-Winfield Corporation, Warren, Ohio. Rectifier assembly of the dry disk type. 2,601,240, June 24.
Blatz, Hanson, assignor to Ritter Company, Rochester, N. Y. Closure for fluoroscope machine casing. 2,601,361, June 24.
Boat, Earl M., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Dial bore gauge. 2,601,496, June 24.
Bobopen, Inc., assignee: *See*—
Cogswell, Walter F.
Boddy, Edwin H., Erie, Pa., assignor to General Electric Company. Refrigerator cabinet. 2,601,241, June 24.
Bonneau, Paul, Utica, N. Y. Hair curler. 2,601,428, June 24.
Bonvillian, Claude A., United States Navy, R. C. Brierly, Narberth, Pa., and S. Letvin, Elmhurst, Queens, N. Y. Apparatus for the combustion of combustible and vaporizable substances. 2,601,242, June 24.
Border, Lawson E.: *See*—
Trainer, Richard P., and Border.
Borel, Pierre C.: *See*—
Bessonnet, Auguste J., and Borel.
Botts, John C., and H. M. Philofsky, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing consolidated insulation on high-voltage coils. 2,601,243, June 24.
Boulicault, Marcel, St. Louis, Mo. Teeth cleaning unit. 2,601,244, June 24.
Bowers, Charles E., Moylan, assignor to The Fibre Metal Products Company, Chester, Pa. Adjustable member for head protective equipment. 2,601,362, June 24.
Bowersett, Charles F., Laurel, Md. Underwater signaling device. 2,601,245, June 24.

Brady, James M., West Long Branch, and W. D. Huston, Atlantic Highlands, N. J. Recording instrument. 2,601,246, June 24.

Brady, James M., West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of the Army. Recording system. 2,601,247, June 24.

Brandt, John B., H. J. Kelly and J. J. Burns, Chicago, Ill. Mobile incinerator. 2,601,657, June 24.

Breden, Calvin R.: *See*—
Stammer, William C., and Breden.

Brenholdt, Irving R., assignor to Standard Oil Company, Chicago, Ill. Pipe line cleaner and locator. 2,601,248, June 24.

Brenholdt, Irving R., assignor to Standard Oil Company, Chicago, Ill. Pipe line scraper and location transmitter. 2,601,249, June 24.

Brice, Loyd J., Portland, Oreg. Holster. 2,601,586, June 24.

Brierly, Ralph C.: *See*—
Bonvillian, Claude A., Brierly, and Letvin.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.

British Cotton Industry Research Association, The, assignee: *See*—
Freeman, Sydney M., and Linnert.
Gregory, James, Foster, and Catling.

British Ropeway Engineering Company, Limited, assignee: *See*—
Shields, Herbert F. H.

British Vacuum Flask Company, Limited, The, assignee: *See*—
Venis, Ernest.

Brittain, John W.: *See*—
Hatch, James F., and Brittain.

Brown, Brinkley B., assignor to Metallic Building Company, Houston, Tex. Nail beam. 2,601,363, June 24.

Brown, Lloyd H., assignor to The Quaker Oats Company, Chicago, Ill. Furfuryl alcohol resins. 2,601,497, June 24.

Brown, Lloyd H., assignor to The Quaker Oats Company, Chicago, Ill. Oil soluble furfural-phenol resins. 2,601,498, June 24.

Bruner, George W., assignor to Vonnegut Moulder Corporation, Indianapolis, Ind. Abrasive head. 2,601,499, June 24.

Bruns, William H., Lincolndale, and S. Davis, Brooklyn, assignors to Otis Elevator Company, New York, N. Y. Safety mechanism for doors. 2,601,250, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymers. 2,601,251, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Polymeric compositions. 2,601,252, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Polymeric compositions and shaping same. 2,601,253, June 24.

Bruson, Herman A., Shaker Heights, and T. W. Riener, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Polymeric compositions and shaping same. 2,601,254, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymer solutions in a cyclic carbonate solvent containing a ketone as a discoloration inhibitor. 2,601,255, June 24.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymers. 2,601,256, June 24.

Brzozowski, Witold, Westmount, Montreal, Québec, Canada, assignor to S. Czarnecki, Walden, N. Y. Helicopter with jet-operated rotor. 2,601,258, June 24.

Buchan, Frederick E., assignor to the United States of America as represented by the Secretary of the Interior. Continuous process for thermal extraction of oil shale. 2,601,257, June 24.

Buchner, Robert B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Fuse system. 2,601,429, June 24.

Burmeister, Louis, and H. S. Hollnagel, Milwaukee, Wis. Directional signal for vehicles. 2,601,587, June 24.

Burns, Fred J., Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y. Venetian blind operating mechanism. 2,601,500, June 24.

Burns, John J.: *See*—
Brandt, John B., Kelly, and Burns.

Bushey, Clay A., Los Angeles, Calif. Air hammer safety valve. 2,601,588, June 24.

Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Force measuring device. 2,601,259, June 24.

Bussert, Clarence E., Melrose Park, Ill. Immersed floral display. 2,601,658, June 24.

Byrnes, John J., Newark, N. J. Small article holding and spraying device. 2,601,364, June 24.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Automatic disk recorder and playback device. 2,601,501, June 24.

Calfee, Sony G., Washington, D. C. Pilot lamp mounting tool. 2,601,260, June 24.

Calgon, Incorporated, assignee: *See*—
Hatch, George B.

Callaway Mills Company, assignee: *See*—
Newsom, Seth A. T.

Camfield Manufacturing Company, assignee: *See*—
Starts, Albert.

Carle, Paul: *See*—
Hardy, Gordon W., Ray, and Carle.

Carmien, Joseph A.: *See*—
Jahn, Walter K., Carmien and Mullings.

Carpenter, Charles C., Grand Forks, N. Dak. Combination stretcher and cot. 2,601,365, June 24.

Carpenter, Robert J., West Enterprise, Miss. Angularly adjustable feed rolls for log peeling or rossing machines. 2,601,261, June 24.

Carrigan, Tracy, Lansing, Mich., assignor to Food Machinery and Chemical Corporation. Method of and apparatus for measuring alignment characteristics of front and rear wheels. 2,601,262, June 24.

Carter, Ralph B., Company, assignee: *See*—
Carter, Ralph B., Jr.

Carter, Ralph B., Jr., Maywood, assignor to Ralph B. Carter Company, Hackensack, N. J. Distributor of the rotary type. 2,601,430, June 24.

Catling, Harold: *See*—
Gregory, James, Foster, and Catling.

Celanese Corporation of America, assignee: *See*—
Martin, Mervin E., and Sherk.
Salvin, Victor S.

Chapman, Reuben E., Tillar, Ark. Circular-saw stump-cutting attachment for tractors. 2,601,366, June 24.

Cherry, Frank: *See*—
Meyer, Maximilian C., and Cherry.

Chicago Bridge & Iron Company, assignee: *See*—
Fraser, Edward S., and Orr.
Merriam, Charles J.
Moyer, Frederick D.

Chicopee Manufacturing Corporation, assignee: *See*—
Roha, Joseph F., and Davidson.

Childers, Fred C., Sr., West Monroe, La. Lineman's belt. 2,601,589, June 24.

Christie, Robert E., Glenboro, Manitoba, Canada. Electric motor mount. 2,601,431, June 24.

Cleaver, Arthur V.: *See*—
Halford, Frank B., Cleaver, and Dove.

Clements, Arthur L., assignor to American Hair & Felt Company, Chicago, Ill. Felt punching machine. 2,601,432, June 24.

Cocchiarella, Otell M.: *See*—
Smith, Edmund G., and Cocchiarella.

Cogswell, Walter F., assignor to Bobopen, Inc., Colorado Springs, Colo. Device for opening bobby pins. 2,601,590, June 24.

Coleman, Theodore L., Hutchinson, Kans. Carrier apparatus for paper driers. 2,601,502, June 24.

Colombo, Benjamin D., Oakland, assignor of forty-nine one hundredths to H. F. Erickson, San Leandro, Calif. Soil penetrating roller. 2,601,591, June 24.

Columbia Mills, Inc., The, assignee: *See*—
Burns, Fred J.

Construction Improvements Limited, assignee: *See*—
Bateman, Norman S.

Continental Can Company, Inc., assignee: *See*—
Simpson, Justin, and Thomas.
Stammer, William C., and Breden.
Tomkins, Walter M., and Magnus.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four-component optical objectives. 2,601,367, June 24.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four-component objectives having two divergent compound meniscus components positioned between two single convergent components. 2,601,368, June 24.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Three-component optical objectives. 2,601,369, June 24.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Corrected optical objective comprising six simple components axially aligned and air spaced apart. 2,601,592, June 24.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component optical objective. 2,601,593, June 24.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Corrected optical objective comprising six simple components axially aligned and air spaced apart. 2,601,594, June 24.

Cook, Gordon H., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Four component optical objective. 2,601,595, June 24.

Cookson, Leonard T., Kalamazoo, Mich., assignor to The Upjohn Company. Machine for inverting containers and directing cleaning fluid thereinto. 2,601,263, June 24.

Cooper, Benjamin, New York, and S. A. Kroll, Brooklyn, N. Y.; said Kroll assignor to said Cooper. Vehicle assigning, detecting, and dispatching systems. 2,601,370, June 24.

Cornish, John H., Grosse Pointe Farms, Mich., assignor to Haughton Elevator Company, Toledo, Ohio. Elevator guide shoe mounting means. 2,601,503, June 24.

Cotchett, Louis M., Whitman, Mass., and R. Rulon-Miller, assignors to Dixon Lubricating Saddle Company, Bristol, R. I. Oilless bearing for textile and other machines. 2,601,371, June 24.

Creaser, Charles W., Jr., Wrentham, Mass., assignor, by mesne assignments, to The Gabriel Company, Cleveland, Ohio. Rotary coaxial switch. 2,601,372, June 24.

Cripe, Owen C., Walton, Ind. Glove turning machine. 2,601,504, June 24.

Cronin, Samuel J., New York, N. Y. Doorknob construction. 2,601,596, June 24.

Cuccioli, Joseph, Brooklyn, N. Y. Article of jewelry. 2,601,433, June 24.

Czarnecki, Stefan, assignee: *See*—
Brzozowski, Witold.

Dairy Specialties, Inc., assignee: *See*—
Jones, John P.

Daniel, John H., Jr., Stamford, L. H. Wilson, Greenwich, R. Hastings, Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Application of dispersed coating materials to cellulosic fibers. 2,601,597, June 24.

Daniel, John H., Jr., Stamford, L. H. Wilson, Greenwich, R. Hastings, Stamford, and C. G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y. Application of dispersed materials to cellulosic fibers. 2,601,598, June 24.

Daugherty, Robert L., Madison, assignor to Hankscraft Company, Reedsburg, Wis. Time control system and apparatus. 2,601,264, June 24.

Davidson, Oliver W.: *See*—
Roha, Joseph F., and Davidson.

Davis, Merlin, Milton, Pa. Electronic musical instrument. 2,601,265, June 24.

Davis, Samuel: *See*—
Bruns, William H., and Davis.

Deere Manufacturing Co., assignee: *See*—
Nordenson, Willard H.

De Havilland Engine Company Limited, The, assignee: *See*—
Halford, Frank B., Cleaver, and Dove.

Delamere & Williams Company Limited, assignee: *See*—
Williams, Victor G.

Deming, Philip H., assignor to Shell Development Company, San Francisco, Calif. Recovering liquefiable hydrocarbons from gases. 2,601,599, June 24.

Derby Sealers, Incorporated, assignee: *See*—
Erhardt, Oscar P.

De Witt, William C., San Bernardino, Calif. Self-operating evaporative cooler. 2,601,600, June 24.

Dienel, Hans F., Berkeley Heights, and G. K. Teal, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making silicon carbide circuit elements. 2,601,373, June 24.

Dieterich, Frederick A.: *See*—
Weinacker, Herman, and Dieterich.

Ditzler, Guy E., Brookfield, and M. B. Kovnat, Chicago, Ill. Surprise display. 2,601,374, June 24.

Dixon Lubricating Saddle Company, assignee: *See*—
Cotchett, Louis M., and Rulon-Miller.

Dominion Magnesium Limited, assignee: *See*—
Jarmicki, Wincenty Z.

Dove, Ernest B.: *See*—
Halford, Frank B., Cleaver, and Dove.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J., and Gilkey.
Tyler, Leslie J.

Dow Jones & Company, Inc., assignee: *See*—
Ackell, Joseph J.

Du Bois, Virgil L., Tulsa, Okla. Pipe line tapping machine. 2,601,434, June 24.

Ducatman, Frederich P., Plainfield, and C. E. Eisenmann, New Brunswick, assignors to Steatite Research Corporation, Keasbey, N. J. Attaching ends to cylindrical objects of resin impregnated cloth laminates and products so produced. 2,601,266, June 24.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Alexander, Guy B., Iler, and Wolter.
Gresham, William F., and Grigsby.
Horning, Samuel C., and Shay.
Howard, Edward G., Jr.
Roedel, Milton J.
Wolter, Frederick J.

Durkee, Maurice M., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Recovery of glycerides from tank settlings. 2,601,375, June 24.

Eaton, Lewis B., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Apparatus for conveying packages. 2,601,376, June 24.

Einhorn, Ben, and B. Peskin, Los Angeles, Calif. Hairpin. 2,601,435, June 24.

Eisenmann, Charles E.: *See*—
Ducatman, Frederich P., and Eisenmann.

Electraulic Presses Limited, assignee: *See*—
Towler, John M., and Towler.

Eliett, Alexander, River Forest, Ill., assignor to Zenith Radio Corporation. Subscription type television transmitter. 2,601,505, June 24.

Elliott, Harold E., H. J. George, and A. A. Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding and channeling machine. 2,601,268, June 24.

Ellis, David H., Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Reversible thermostatic control device. 2,601,377, June 24.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army. Primary alkaline cell. 2,601,267, June 24.

Emhart Manufacturing Company, assignee: *See*—
Wadman, Harold A.

Emsco Derrick & Equipment Company, assignee: *See*—
Hilborn, Howard D., and Walters.

Equipment Development Co., Inc., assignee: *See*—
Smith, Edmund G., and Cocchiarella.

Erhardt, Oscar P., assignor to Derby Sealers, Incorporated, Derby, Conn. Tape-dispensing and severing device. 2,601,506, June 24.

Erickson, Herbert F., assignee: *See*—
Colombo, Benjamin D.

Eshelman, Alvin L., Upland, Calif. Crate conveyer. 2,601,507, June 24.

Essex Wire Corporation, assignee: *See*—
Prouty, Robert E.

Evans, Emanuel E., assignee: *See*—
Kish, John S.

Evans, James W. W., Clifton, near Manchester, England. Apparatus for extracting water from webs of pulp or paper. 2,601,378, June 24.

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Reversible wheel chair. 2,601,379, June 24.

Eyler, Roy I.: *See*—
Hopkins, Cecil W., and Eyler.

Farmer, Josselyn L.: *See*—
Shelton, Robert S., Farmer, and Tilford.

Fastie, William G., Willow Grove, Pa. Compensated thermopile. 2,601,508, June 24.

Federal Telephone and Radio Corporation, assignee: *See*—
Asten, William P.
Busignies, Henri G.

Fennelly, Joseph C., Kansas City, Mo., assignor, by mesne assignments, of one-half to H. S. Hensel, New York, N. Y. Razor blade injector and disposal. 2,601,601, June 24.

Fibre Metal Products Company, The, assignee: *See*—
Bowers, Charles E.

Firsching, Joseph A., Sr., Utica, N. Y. Undergarment for men. 2,601,602, June 24.

Fisch, Richard A., Kew Gardens, N. Y. Curved lengths of plastic material and apparatus for making the same. 2,601,269, June 24.

Fisher, Frederick F., Cranston, R. I. Foot support. 2,601,509, June 24.

Fisher Governor Company, assignee: *See*—
Gaffney, Donald J.

Fisher, Marcus C., assignor to Bendix Aviation Corporation, South Bend, Ind. Mechanism for assembling annular members. 2,601,603, June 24.

Florence, Albert N.: *See*—
Walter, Albert H., Florence, and Lendh.

Flory, Willis D., Decatur, Mich. Grape hoe. 2,601,380, June 24.

Food Machinery and Chemical Corporation, assignee: *See*—
Carrigan, Tracy.

Ford, Wade O., San Angelo, Tex. Automatic control for swinging doors. 2,601,604, June 24.

Foster, George A. R.: *See*—
Gregory, James, Foster, and Catling.

Fraser, Edward S., and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Storage tank for liquids. 2,601,270, June 24.

Frederick, Marvin R.: *See*—
McBee, Earl T., and Frederick.

Freeman, Sydney M., and A. Linnert, Didsbury, Manchester, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Opening and cleaning machine for fibrous materials. 2,601,381, June 24.

French, Heyward A., Belleville, N. J., and L. Staschover, Jamaica, assignors to International Standard Electric Corporation, New York, N. Y. Direct current stabilizer. 2,601,271, June 24.

French Oil Mill Machinery Company, The, assignee: *See*—
Stacy, Thomas F.

Frost, Ellis M., Jr., Amarillo, Tex., assignor to the United States of America as represented by the Secretary of the Interior. Apparatus and procedure for the determination of helium in gases. 2,601,272, June 24.

Frye, Jack, Sedona, Ariz. System for eliminating static interference. 2,601,510, June 24.

Fryling, Charles F.: *See*—
Reynolds, William B., and Fryling.

Fubini, Eugene G., Garden City, N. Y. System for designing mechanical structures. 2,601,382, June 24.

Fulvio, Bruno G., Arcadia, Calif. Fishhook tying fixture. 2,601,605, June 24.

Gabriel Company, The, assignee: *See*—
Creaser, Charles W., Jr.

Gaffney, Donald J., assignor to Fisher Governor Company, Marshalltown, Iowa. Pneumatically operated diaphragm motor. 2,601,511, June 24.

Gagnier Fibre Products Company, assignee: *See*—
Gagnier, George E.

Gagnier, George E., assignor to Gagnier Fibre Products Company, Detroit, Mich. Self-supporting molded structure. 2,601,512, June 24.

Gaskell & Chambers Limited, assignee: *See*—
Berwick, Albert G.

Gatchet, Francis L., Gardiner, Wash. Fertilizer dissolving and spraying device. 2,601,672, June 24.

General Aniline & Film Corporation, assignee: *See*—
Sanders, Herbert L., and Maxcy.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Boddy, Edwin H.
Smith-Johannsen, Robert.

General Register Corporation, assignee: *See*—
Helsel, Reuben H.

George, Harold J.: *See*—
Elliott, Harold E., George, and Rivington.

George, Harry S., Massapequa, N. Y. Torch cutting apparatus for surfacing weld metal. 2,601,383, June 24.

Gerhart, Howard L., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Copolymers of cyclopentadiene. 2,601,273, June 24.

Gilbert, Joseph A.: *See*—
Rose, Alfred G., and Gilbert.

Gilkey, John W.: *See*—
Barry, Arthur J., and Gilkey.

Givaudan Corporation, The, assignee: *See*—
Gump, William S., and Nikawitz.

Gladstone, Sidney A., Paterson, N. J. Surgical tissue collector device. 2,601,513, June 24.

Glantz, Omar J., and E. T. Oborn, Denver, Colo., assignors to the United States of America as represented by the Secretary of the Interior. Mucic acid retarded Portland cement. 2,601,274, June 24.

Goertz, Willard J.: *See*—
McArthur, Donald F., and Goertz.

Goldberg, Julius S.: *See*—
Marcus, Arthur A., and Goldberg.

Goldstein, Adolph O., Santa Cruz, Calif. Fruit juice extractor. 2,601,606, June 24.

Goodban, William T., Modesto, Calif. Can sorting machine. 2,601,514, June 24.

Goodrich, B. F., Company, The, assignee: *See*—
Hansen, Merrill E.

Goodrich, Hunter C., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Electronic signal seeking receiver. 2,601,384, June 24.

Gordon, Herman L., Silver Spring, Md. Wire connector. 2,601,276, June 24.

Goulrand, Rene, New York, N. Y. Pneumatic suspension device for vehicles. 2,601,515, June 24.

Graham, Harry C., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa. Screw stud. 2,601,385, June 24.

Gray, Richard O., Broadview, Ill., assignor to Zenith Radio Corporation. Color television synchronizing system. 2,601,516, June 24.

Green, George P., Lubbock, Tex. Road machine. 2,601,277, June 24.

Gregory, James, G. A. R. Foster, and H. Catling, Didsbury, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England. Machine for doffing spinning and like machines. 2,601,386, June 24.

Gresham, William F., and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of amides having tertiary carbon attached to amido nitrogen. 2,601,387, June 24.

Grigsby, William E.: *See*—
Gresham, William F., and Grigsby.

Grober, Norman, New York, N. Y. Nightgown. 2,601,278, June 24.

Guarino, Gasper, Brooklyn, N. Y. Razor blade holder. 2,601,388, June 24.

Guelph, John D., Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y. Centrifugal casting machine. 2,601,389, June 24.

Gump, William S., Upper Montclair, and E. J. Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation, New York, N. Y. Aromatic chlorethylamines and their salts. 2,601,275, June 24.

Hacus, John J., Chicago, Ill. Nontoppling base for drinking glasses. 2,601,279, June 24.

Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion chamber for gas turbines with circumferentially arranged pulverized solid fuel and air nozzles. 2,601,390, June 24.

Haigh, Leslie B.: *See*—
Hartley, George C., Reynolds, and Haigh.

Halford, Frank B., Edgware, A. V. Cleaver, London, and E. B. Dove, East Barnet, assignors to The De Havilland Engine Company Limited, Stonegrove, Edgware, England. Propellant injection system for rocket motors. 2,601,607, June 24.

Hallewell, Harold S., assignee: *See*—
Porter, Charles B. A.

Halpern, Johannes W., Vesterbrogade 136", Copenhagen, Denmark. Control system for pneumatic dispatch systems. 2,601,391, June 24.

Hammes, Dorothy C., assignee: *See*—
Hammes, Frederic J.

Hammes, Frederic J., Birdsboro, assignor of eleven-twentieths to D. C. Hammes, Reading, one-fourth to J. A. Stinson, Hatboro, Pa., and one-fifth to F. J. Hammes, trustee. Synchronous motor. 2,601,517, June 24.

Hammond, John H., Jr., Gloucester, Mass. Control system with single pulse train. 2,601,392, June 24.

Hammond, John H., Jr., Gloucester, Mass. Selective remote control system. 2,601,393, June 24.

Hankscraft Company, assignee: *See*—
Daugherty, Robert L.

Hansen, Elmer K., Sioux City, Iowa. Grain unloader having a feed auger with an adjustable cover. 2,601,608, June 24.

Hansen, Merrill E., Silver Lake Village, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Apparatus for impregnating cord. 2,601,394, June 24.

Harbison, Orville S., and G. L. Paine, Loveland, Colo. Two-way plow attachment for tractors. 2,601,609, June 24.

Harder, Arthur J., Jr., Chicago, Ill., assignor to The Rauland Corporation. Cathode-ray tube sealing apparatus. 2,601,518, June 24.

Hardy, Gordon W., Chula Vista, G. C. Ray, San Diego, and P. Carle, Coronado, assignors to Air Purification, Inc., San Diego, Calif. Air cleaner. 2,601,519, June 24.

Harman, Denham, and A. R. Stiles, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Dialkenyl alkanephosphonates and polymers thereof. 2,601,520, June 24.

Harnischfeger Corporation, assignee: *See*—
Schoeppner, Karl P., and Zaltz.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Beard, Ernest G.
Buchner, Robert B.
Hugenholtz, Eduard H.
Steringa Idzerda, Henrikus H. S.
Van Weel, Adelbert.
Van Weynsbergen, Charles L.
Van Zelst, Johannes J. Z.

Hartley, George C., W. J. Reynolds, London, England, and L. B. Haigh, West Orange, N. J., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Binary add-subtract device. 2,601,281, June 24.

Hastings, Randall: *See*—
Daniel, John H., Jr., Wilson, Hastings, and Landes.

Hatch, George B., Allison Park, assignor, by mesne assignments, to Calgon, Incorporated, Pittsburgh, Pa. Glassy molecularly dehydrated phosphates. 2,601,395, June 24.

Hatch, James F., Hutton, Brentwood, and J. W. Brittain, Great Baddow, assignors to Marconi's Wireless Telegraph Company Limited, London, England. Radio aerial installation. 2,601,610, June 24.

Haughton Elevator Company, assignee: *See*—
Cornish, John H.

Hays, Raymond E., Philadelphia, Pa. Control valve. 2,601,280, June 24.

Hearne, George W., Lafayette, and D. S. La France, Concord, assignors to Shell Development Company, Emeryville, Calif. Nitriles and preparation of the same. 2,601,659, June 24.

Heftler, Maurice B., Grosse Pointe Park, Mich. Filter. 2,601,521, June 24.

Heidenblut, George R.: *See*—
Morton, Evans T., and Heidenblut.

Heiland, Carl A., Denver, and M. T. Murray, Lakewood, Colo. Geophysical exploration. 2,601,522, June 24.

Heinzelmann, Richard V., assignor to The Upjohn Company, Kalamazoo, Mich. Alpha-alkyl-beta-arylnitroethenes. 2,601,282, June 24.

Helsel, Reuben H., assignor, by mesne assignments, to General Register Corporation, Long Island City, N. Y. Ticket issuing machine. 2,601,283, June 24.

Hemming, Charles B., and R. L. Overholt, New Rochelle, assignors to United States Plywood Corporation, New York, N. Y. Heat resistant panel. 2,601,284, June 24.

Henderson, John, Princeton, N. J., assignor to Johnson & Johnson. Medicinal preparation for dysmenorrhea. 2,601,285, June 24.

Henry, Howarth P., Yellow Springs, Ohio. Exhaust discharge for outboard motors. 2,601,396, June 24.

Henry, James E., Dayton, Ohio. Two-ring action camera shutter. 2,601,286, June 24.

Hensel, H. Struve, assignee: *See*—
Fennelly, Joseph C.

Hercules Powder Company, assignee: *See*—
Schertz, Glenwood L.

Herr, Milton E.: *See*—
Heyl, Frederick W., and Herr.

Heyl, Frederick W., and M. E. Herr, assignors to The Upjohn Company, Kalamazoo, Mich. Partial synthesis of progesterone. 2,601,287, June 24.

Hilborn, Howard D., and W. D. Walters, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Crown block. 2,601,611, June 24.

Hill, Francis A., 2nd: *See*—
Hill, Myron F., and F. A.

Hill, John J., South Pasadena, Calif. Device for use in the stropping of safety razor blades. 2,601,523, June 24.

Hill, Myron F., Westport, Conn. Lubricating pump for engines. 2,601,288, June 24.

Hill, Myron F., and F. A. Hill, 2nd, Westport, Conn. Rotary fluid displacement device. 2,601,397, June 24.

Hinspater, Emil W.: *See*—
Rose, John E., and Hinspater.

Hockery, John C., trustee, assignee: *See*—
Landry, William J.

Hollabaugh, Max G., Jackson Heights, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Reiterating system. 2,601,289, June 24.

Hollnagel, Harold S.: *See*—
Burmeister, Louis and Hollnagel.

Hooker, Donald E., Skokie, assignor to R. T. Moloney, Chicago, Ill. Probability and proportioning switch. 2,601,524, June 24.

Hopkins, Cecil W., and R. I. Eyler, assignors to Landis Machine Company, Waynesboro, Pa. Wheel dressing mechanism. 2,601,290, June 24.

Horning, Samuel C., Wilmington, Del., and C. W. Shay, Upper Providence Township, Delaware County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonfreezing silica sols stabilized with organic amine compounds. 2,601,291, June 24.

Howard, Arthur M., Perrysburg, and L. S. Meyer, Newark, assignors to Libbey-Owens-Ford Flass Company, Toledo, Ohio. Bulletproof fuel tank. 2,601,525, June 24.

Howard, Edward G., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization initiation systems comprising a hydrazone, a peroxy compound, and cupric ion. 2,601,293, June 24.

Howard, Leslie B., Chico, Calif. Trailer steering mechanism. 2,601,526, June 24.

Hube, Gottfried E., assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash. Fish skinning machine. 2,601,292, June 24.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency control apparatus. 2,601,436, June 24.

Hulsaple, Theodore B., Poughkeepsie, N. Y. Edge finding indicator. 2,601,437, June 24.

Hunt, William T., Jr., Williamsville, N. Y., assignor to Westinghous Electric Corporation, East Pittsburgh, Pa. Tension control system. 2,601,527, June 24.

Huston, William D.: *See*—
Brady, James M., and Huston.

Hydrocarbon Research, Inc., assignee: *See*—
Keith, Percival C.

I. T. E. Circuit Breaker Company, assignee: *See*—
Scott, William M., Jr.
Thumim, Carl.

I-T-E Circuit Breaker Company, assignee: *See*—
Wood, Joseph D.

Iler, Ralph K.: *See*—
Alexander, Guy B., Iler, and Wolter.

Imbert, Roger J., and M. H. L. Sédille, assignors to Societe Rateau (Societe Anonyme) and R. Anxionnaz, Paris, France. Gas turbine motor of reduced dimensions. 2,601,612, June 24.

Industrial Rayon Corporation, assignee: *See*—
Bruson, Herman A.
Bruson, Herman A., and Riener.

Interchemical Corporation, assignee: *See*—
Rose, Harry E.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Buchan, Frederick E.
Frost, Ellis M., Jr.
Glantz, Omar J., and Oborn.
Lloyd, Rex R., and Rawles.

International Cellucotton Products Company, assignee: *See*—
Klock, George E.

International Standard Electric Corporation, assignee: *See*—
Bessonnet, Auguste J., and Borel.
French, Heyward A., and Stanchover.
Hartley, George C., Reynolds, and Haigh.
Hollabaugh, Max G.
Lalande, Marc A.

Iron Fireman Manufacturing Company, assignee: *See*—
Judson, Albert L.

Ishler, Harry K., Floral Park, N. Y., assignor to Sylvania Electric Products, Inc. Structure and internal shielding of electron tubes. 2,601,528, June 24.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Neff, Joseph J.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Electric switch. 2,601,398, June 24.

Jahn, Walter K., Beverly Hills, J. A. Carmien, Los Angeles, and J. E. Mullings, Pacific Palisades, assignors to New Plastic Corporation, Los Angeles, Calif. Softheaded hammer. 2,601,294, June 24.

Jahncke, Harry H., Webster City, Iowa. Flashlight attachment for guns. 2,601,613, June 24.

Jarmicki, Wincenty Z., assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada. Spool construction. 2,601,660, June 24.

Jefferson Chemical Company, Inc., assignee: *See*—
Reese, Robert R.

Jennings, Harry C.: *See*—
Everest, Herbert A., and Jennings.

Jensen, Thormod, Laurelton, N. Y., assignor to American Machine and Foundry Company. Self-leveling dispenser. 2,601,295, June 24.

Johnson, James E., South Dos Palos, Calif. Automatic aligning and leveling two-way plow. 2,601,296, June 24.

Johnson & Johnson, assignee: *See*—
Henderson, John.

Johnson, Louis H., Tomball, Tex. Pipe-cleaning device. 2,601,614, June 24.

Johnson, Walfred, Racine, Wis. Paint stirrer attachment for cans. 2,601,438, June 24.

Jones, John P., Omaha, Nebr., assignor to Dairy Specialties, Inc. Dispensing milk container. 2,601,399, June 24.

Jordan, James F., Huntington Park, Calif. Continuous mold alignment. 2,601,615, June 24.

Joris, Gaston, Paris, France, assignor, by mesne assignments, to Textile and Chemical Research Company Limited, St. Peter Port, Guernsey, Channel Islands. Steeping press. 2,601,400, June 24.

Judson, Albert L., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Stoker control system. 2,601,529, June 24.

K-D Manufacturing Company, assignee: *See*—
Schneider, Nathan.

Karig, Horace E., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fluid pressure regulator. 2,601,439, June 24.

Kasten, Walter, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Fluid filtering and metering unit. 2,601,616, June 24.

Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Power transmitting mechanism. 2,601,297, June 24.

Kegan, Albert I., Chicago, and W. A. Neely, Oak Park, assignors to S. W. Kipnis, Chicago, Ill., trustee. Envelope. 2,601,530, June 24.

Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Cooling gases containing condensible material. 2,601,298, June 24.

Kelly, Harry J.: *See*—
Brandt, John B., Kelly, and Burns.

Kennedy, Walter, Cliffside Park, N. J. Radiant gas burner. 2,601,299, June 24.

Kerrigan, John P., Merchantville, N. J. Impact indicator for containers. 2,601,440, June 24.

Klenle, Roy H., and A. L. Peiker, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Colored emulsions for coloring textile fabrics. 2,601,661, June 24.

Kimmell, Garman O., Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Fluid actuated control valve. 2,601,531, June 24.

King, Alfred B., Company, The, assignee: *See*—
Miller, Ransom G., III.

King Sales & Engineering Company, assignee: *See*—
McGihon, Leonard.

Kipnis, Samuel W., trustee, assignee: *See*—
Kegan, Albert I., and Neely.

Kish, John S., Youngstown, assignor to E. E. Evans, Poland, Ohio. Automobile bug deflector. 2,601,401, June 24.

Klein, Elias, Washington, D. C. Electroacoustic transducer. 2,601,300, June 24.

Klein, Victor G., St. Louis, and C. H. Mueller, Ferguson, assignors to Lincoln Engineering Company, St. Louis, Mo. Record changer. 2,601,301 June 24.

Klock, George E., Kenmore, N. Y., assignor to International Cellucotton Products Company, Chicago, Ill. Method and apparatus for forming sanitary napkin attachment loops. 2,601,617, June 24.

Knighton, James A., Birmingham, Ala. Making faced building blocks and the like. 2,601,532, June 24.

Koch, Robert L., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Heated grid gas anchor. 2,601,533, June 24.

Komada, Joseph: *See*—
Babros, Joseph H., and Komada.

Koppers Company, Inc., assignee: *See*—
Shaffer, Chester E.

Kovnat, Maurice B.: *See*—
Ditzler, Guy E., and Kovnat.

Krause, Richard S., Lincolnwood, and E. H. Seibert, assignors to Autopoint Company, Chicago, Ill. Sliding blade knife. 2,601,402, June 24.

Kringle, Orval L., Rice Lake, Wis. Unloading assembly for wagon boxes. 2,601,618, June 24.

Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm. 2,601,662, June 24.

Kroll, Stanley A.: *See*—
Cooper, Benjamin, and Kroll.

Kropa, Edward L.: *See*—
Thomas, Walter M., and Kropa.

Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric circuit. 2,601,403, June 24.

Laffoon, James F., Kansas City, Mo. Distributor. 2,601,534, June 24.
La France, Donald S.: *See*—
Hearne, George W., and La France.
Lalande, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Two-way wire telephone repeater circuit. 2,601,302, June 24.
Lamb, John, London, England, assignor to Shell Development Company, San Francisco, Calif. Ship's funnel with means for raising funnel gases. 2,601,663, June 24.
Lancy, Leslie E., Ellwood City, Pa. Electrolytic treating apparatus. 2,601,535, June 24.
Landes, Chester G.: *See*—
Daniel, John H., Jr., Wilson, Hastings, and Landes.
Wilson, Lucius H., Landes, and Maxwell.
Landis Machine Company, assignee: *See*—
Hopkins, Cecil W., and Eyler.
Landry, William J., Blue Springs, assignor to J. C. Hockery, Kansas City, Mo., trustee. Can opener. 2,601,303, June 24.
Lane, George S., Cheyenne, Wyo. Gate Valve. 2,601,304, June 24.
Lasky, Thomas S., Kingston, Pa. Oil filter. 2,601,404, June 24.
Laun, Kermit D., New Holland, Ill. Apparatus for raising reclining corn plants to vertical positions. 2,601,305, June 24.
La Zerte, James D., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Production of tetrafluoroethylene from a salt of trifluoroacetic acid. 2,601,536, June 24.
Leland-Gifford Company, assignee: *See*—
Schmidt, William D.
Lendh, Robert H.: *See*—
Walter, Albert H., Florence, and Lendh.
Leonard, Jean, Los Angeles, Calif. Broadcasting television performances. 2,601,441, June 24.
Letvin, Samuel: *See*—
Bonvillian, Claude A., Brierly, and Letvin.
Libbey-Owens-Ford Glass Company, assignee: *See*—
Howald, Arthur M., and Meyer.
Lincoln Engineering Company, assignee: *See*—
Klein, Victor G., and Mueller.
Lindemann, Harley B.: *See*—
Sohn, William H., and Lindemann.
Link, Harry W., Merion, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Electro-hydraulic ship steering gear. 2,601,405, June 24.
Linnert, Arthur: *See*—
Freeman, Sydney M., and Linnert.
Lipe-Rollway Corporation, assignee: *See*—
Baule, Gerhard H. J.
Livengood, Jacob R., Jr.: *See*—
Shoaf, Floyd R., and Livengood.
Llovet, Aurelio E.: *See*—
Navarro, Miguel, and E. J. and A. E. Llovet.
Llovet, Enrique J.: *See*—
Navarro, Miguel, and E. J. and A. E. Llovet.
Lloyd, Rex R., Boulder City, Nev., and W. T. Rawles, Pittsfield, Mass., assignors to the United States of America as represented by the Secretary of the Interior. Dissolution of chromium from chromite ores. 2,601,306, June 24.
Lofgren, Carl S., Moline, Ill. Combination floor brush and polisher. 2,601,537, June 24.
Loomis, Peter B., Birmingham, Mich. Optical viewer for films. 2,601,619, June 24.
Lovas, Joseph J., Ridgewood, assignor to Specific Pharmaceuticals, Inc., New York, N. Y. Anticoagulant, amide of 3,3'-carboxy-methylene bis(4-hydroxycoumarin). 2,601,308, June 24.
Lundsted, Lester G., Grosse Ile, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Catalytic isomerization of propylene oxide to propionaldehyde, catalyst therefor, and synthesis of catalyst. 2,601,538, June 24.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,601,309, June 24.
M & J Engineering Co., assignee: *See*—
Witt, Richard M.
Magnus, Carl E.: *See*—
Tomkins, Walter M., and Magnus.
Mallory, Sterling D., Birmingham, Ala. Combined clothes hanger shoulder shield and hook. 2,601,442, June 24.
Marconi's Wireless Telegraph Company Limited, assignee: *See*—
Hatch, James F., and Brittain.
Marcouiller, Ernest J., New York, N. Y. Apparatus for taking photographs of body cavities. 2,601,406, June 24.
Marcum, Jess I., Santa Monica, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two-frequency microwave oscillator. 2,601,539, June 24.
Marcus, Arthur A., and J. S. Goldberg, Brooklyn, N. Y. Bracket for adjustably mounting oil burners. 2,601,540, June 24.
Marshall, Lee W., Terre Haute, Ind. Device for supporting pipe fittings for welding. 2,601,407, June 24.
Marshall, Preston F., Washington, D. C. Method and apparatus for preparing grass seed for planting. 2,601,620, June 24.
Martin, Mervin E., Cumberland, and D. L. Sherk, La Vale, Md., assignors to Celanese Corporation of America. Two-step digestion of wood with aliphatic acid. 2,601,408, June 24.
Maxant Button and Supply Co., assignee: *See*—
Maxant, Edwin A.
Maxant, Edwin A., Riverside, Ill., assignor to Maxant Button and Supply Co. Gauge for marking garment belts. 2,601,621, June 24.
Maxcy, William J.: *See*—
Sanders, Herbert L., and Maxcy.
Maxwell, Charles S.: *See*—
Wilson, Lucius H., Landes, and Maxwell.
Maxwell, Fred A., Bedford, Ohio. Recessing tool. 2,601,541, June 24.
McArthur, Donald F., and W. J. Goertz, Wichita, Kans., said McArthur assignor to said Goertz. Control for flying model airplanes. 2,601,409, June 24.
McBee, Earl T., West Lafayette, Ind., and M. R. Frederick, Wadsworth, Ohio, assignors to Purdue Research Foundation, West Lafayette, Ind. Chlorination of (perfluoroalkyl) benzenes. 2,601,310, June 24.
McCaul, Edward W.: *See*—
Webb, Jervis B., and McCaul.
McCormick, Clarence J., Chicago, Ill. Jet propulsion engine. 2,601,311, June 24.
Miller, Edwin A., Fairfield, Conn. Push on-push off single button switch. 2,601,545, June 24.
Miller, Ransom G., III, Stratford, assignor to The Alfred B. King Company, New Haven, Conn. Annealing spider. 2,601,443, June 24.
Miller, William J., Portland, Oreg. Deep well electric cooker. 2,601,546, June 24.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Ellis, David H.
Minnesota Mining & Manufacturing Company, assignee: *See*—
La Zerte, James D.
Minock, Robert M., Denver, Colo. Expander tool for elastic bands. 2,601,547, June 24.
Mittelstaedt, Victor, Poughkeepsie, N. Y. Fabric cutter. 2,601,414, June 24.
Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilized multivibrator oscillator. 2,601,444, June 24.
Moloney, Raymond T., assignee: *See*—
Hooker, Donald E.
Monroe, Paul S., Elyria, Ohio, assignor to The Pfaulder Co., Rochester, N. Y. Variable speed rotary hydraulic coupling. 2,601,548, June 24.
Monsanto Chemical Company, assignee: *See*—
Niles, George E.
Morrison, George O., Milltown, N. J., and D. Schoenholz, assignors to Shawinigan Products Corporation, New York, N. Y. Manufacture of polyvinyl acetate emulsion paints. 2,601,31 5,June 24.
Morton, Evans T., Chicago, and G. R. Heidenblut, Des Plaines, assignors to Admiral Corporation, Chicago, Ill. Restricting valve. 2,601,549, June 24.
Motor Products Corporation, assignee: *See*—
Whitmore, Harland W.
Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Drain for floating roof tanks. 2,601,316, June 24.
Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Vapor vent for floating roof tanks. 2,601,317, June 24.
Mueller, Carl H.: *See*—
Klein, Victor G., and Mueller.
Mullings, John E.: *See*—
Jahn, Walter K., Carmion, and Mullings.
Mundet Cork Corporation, assignee: *See*—
Suthers, Harold F.
Murakami, Tomomi, Philadelphia, Pa., assignor to Radio Corporation of America. Ultrahigh-frequency structure. 2,601,445, June 24.
Murray, Matthew T.: *See*—
Helland, Carl A., and Murray.
Myers, Frederick, Charlestown, Mass. Smoking pipe. 2,601,446, June 24.
Myers, John W.: *See*—
Owen, James R., and Myers.
Napier, D., & Son Limited, assignee: *See*—
Barlow, Benjamin W.
Nau-Touron, Albert, Le Vesinet, assignor to Societe a Responsabilite Limitee Fonderie de Precision Nanterre, France. Pressure roller for drawing devices. 2,601,550, June 24.
Navarro, Miguel, and E. J. and A. E. Llovet, Montevideo, Uruguay. Suspension system for vehicles. 2,601,551, June 24.
Navikas, Victor A., assignor to Armstrong Cork Company, Lancaster, Pa. Laminating articles. 2,601,318, June 24.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Beatty, Charles G.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Karig, Horace E.
Schmitt, Otto H.
Sohn, William H., and Lindemann.

Neely, Wayne A.: *See*—
Kegan, Albert I., and Neely.
Neff, Joseph J., South Euclid, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Electronic concentricity and groove parallel gauge. 2,601,447, June 24.
Nesson, Israel, Lynn, assignor to M. Zaiger, Swampscott, Mass. Deicing wiper blade for curved windshields. 2,601,664, June 24.
New Plastic Corporation, assignee: *See*—
Jahn, Walter K., Carmien, and Mullings.
Nikawitz, Edward J.: *See*—
Gump, William S., and Nikawitz.
Newsom, Seth A. T., assignor to Callaway Mills Company, La Grange, Ga. Ironer roll cover. 2,601,448, June 24.
Nicholson, James A., Toledo, Ohio. Chute supporting mechanism. 2,601,449, June 24.
Niewinski, Victor, St. Paul, Minn. Pivoted target device. 2,601,552, June 24.
Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Thermosetting resins and preparing same. 2,601,665, June 24.
Niles, George E., Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing thermosetting resins from urea, an aldehyde and aminoaliphatic carboxyl compounds and derivatives thereof. 2,601,666, June 24.
Nordenson, Willard H., Rock Island, Ill., assignor to Deere Manufacturing Co., Dubuque, Iowa. Tractor rear axle for crop clearance. 2,601,553, June 24.
Norris, Lannie F., Minneapolis, and D. J. W. Timmerman, Eden Prairie, assignors to Norris Manufacturing Company, Minneapolis, Minn. Liquid dispensing cabinet. 2,601,319, June 24.
Norris Manufacturing Company, assignee: *See*—
Norris, Lannie F., and Timmerman.
North American Aviation, Inc., assignee: *See*—
Stackhouse, William V.
Norton, Clyde L., Waitsfield, Vt. Restraining device for cattle. 2,601,623, June 24.
Norton Company, assignee: *See*—
Upper, John A.
Oborn, Eugene T.: *See*—
Glantz, Omar J., and Oborn.
Oliver, Bernard M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vertical sweep synchronizing circuit. 2,601,415, June 24.
O'Neill, Harry, Garden City, N. Y. Cutting implement holder. 2,601,450, June 24.
Orr, Clifford M.: *See*—
Fraser, Edward S., and Orr.
Otis Elevator Company, assignee: *See*—
Bruns, William H., and Davis.
Overholt, Ray L.: *See*—
Hemming, Charles B., and Overholt.
Owen, James R., and J. W. Myers, Bartlesville, Okla., assignors to Phillips Petroleum Company. Coprecipitated alumina-metal oxide gel catalysts and their preparation. 2,601,624, June 24.
Pacific Can Company, assignee: *See*—
Peterson, William B., Jr., and Renard.
Pacific Laboratories, Inc., assignee: *See*—
Hube, Gottfried E.
Page, Frank R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stocking and making the same. 2,601,451, June 24.
Paine, George L.: *See*—
Harbison, Orville S., and Paine.
Peiker, Alfred L.: *See*—
Kienle, Roy H., and Peiker.
Pensak, Louis, Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray storage tube. 2,601,452, June 24.
Peone, Valley V., Spokane, Wash. Automatic packing machine. 2,601,454, June 24.
Permann, Karl, Oakland, assignor to Shell Development Company, San Francisco, Calif. Tube heater with flue gas recirculation and heating method. 2,601,667, June 24.
Peskin, Ben: *See*—
Einhorn, Ben, and Peskin.
Petefish, Roy, assignee: *See*—
Sverkerson, William C.
Peter, Hans: *See*—
Wyss, Oswald F., and Peter.
Peters, John W., Cincinnati, Ohio. Baton having selectively illuminated section. 2,601,554, June 24.
Peterson, William B., Jr., San Francisco, and R. E. Renard, Los Gatos, assignors to Pacific Can Company, San Francisco, Calif. Can-end maker. 2,601,625, June 24.
Pfaulder Co., The, assignee: *See*—
Monroe, Paul S.
Pfeiffer, Frederick L.: *See*—
Tullsen, Volney, and Pfeiffer.
Phillips Petroleum Company, assignee: *See*—
Owen, James R., and Myers.
Reynolds, William B., and Fryling.
Philofsky, Harold M.: *See*—
Botts, John C., and Philofsky.
Phipard, Harvey F., Jr., South Dartmouth, assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass. Driving tool for socket head fasteners. 2,601,453, June 24.
Pipeline Protection Company, assignee: *See*—
Price, Marion E.
Pittsburgh Plate Glass Company, assignee: *See*—
Gerhart, Howard L.
Pittsburgh Screw and Bolt Corporation, assignee: *See*—
Graham, Harry C.
Pneumatic Scale Corporation, Limited, assignee: *See*—
Eaton, Lewis B.
Pope, James K., Pleasant Ridge, Mich. Repeating toy gun. 2,601,555, June 24.
Porter, Burl W., Wilmington, Calif. Match-holding lighter. 2,601,455, June 24.
Porter, Charles B. A., Preston, Yeovil, assignor to H. S. Hallewell, Hayes, Middlesex, England. Forming means for profile grinding wheels. 2,601,456, June 24.
Prather, Edwin E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,601,626, June 24.
Presstite Engineering Company, The, assignee: *See*—
Sussenbach, Paul, and Young.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake mechanism. 2,601,627, June 24.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power transmission. 2,601,628, June 24.
Price, Harold W., Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission operating mechanism. 2,601,629, June 24.
Price, Marion E., assignor to Pipeline Protection Company, Denver, Colo. Mixing apparatus. 2,601,320, June 24.
Productive Inventions, Inc., assignee: *See*—
Krohm, Fred A.
McCurrie, Hugh C., Morgan Hill, Calif. Cage-type rat-trap. 2,601,622, June 24.
McGihon, Leonard, San Leandro, assignor to King Sales & Engineering Company, San Francisco, Calif. Filling machine with rotary valve. 2,601,542, June 24.
McGrew, William A., Denver, Colo. Coaster. 2,601,312, June 24.
McKay, James A., Westmount, Quebec, Canada. Control gate. 2,601,410, June 24.
McLauchlan, Arthur B., Salem, Oreg. Vegetable and fruit washer. 2,601,411, June 24.
McLoad, Kenneth W., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Double coil cable geophone. 2,601,543, June 24.
McMillan, Frank M., and E. T. Bishop, Berkeley, assignors to Shell Development Company, Emeryville, Calif. Shortstopping the addition polymerization of unsaturated organic compounds. 2,601,673, June 24.
McNeil Machine and Engineering Company, The, assignee: *See*—
Soderquist, Leslie E.
Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S., Farmer, and Tilford.
Merriam, Charles J., Winnetka, Ill., assignor to Chicago Bridge & Iron Company. Storing volatile liquids. 2,601,313, June 24.
Metallic Building Company, assignee: *See*—
Brown, Brinkley B.
Metcalf, Earl H., Ridgefield Park, N. J. Refillable eraser device. 2,601,544, June 24.
Metropolitan Device Corporation, assignee: *See*—
Rypinski, Albert B.
Meyer, Leonard S.: *See*—
Howald, Arthur M., and Meyer.
Meyer, Maximilian C., and F. Cherry, Brooklyn, N. Y., assignors to Richelieu Corporation. Bead coating machine. 2,601,307, June 24.
Milbourn, Thomas H., Alston, England. Machine for harvesting potatoes and other root crops. 2,601,412, June 24.
Miles, James, Los Angeles, Calif. Ladder bracket for supporting paint pails. 2,601,413, June 24.
Miles, John C., Urbana, Ill., assignor to The University of Illinois Foundation. Coal stove. 2,601,314, June 24.
Prouty, Robert E., assignor to Essex Wire Corporation, Logansport, Ind. Snap switch. 2,601,556, June 24.
Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Frederick.
Quaker Oats Company, The, assignee: *See*—
Brown, Lloyd H.
Radio Corporation of America, assignee: *See*—
Goodrich, Hunter C., Jr.
Murakami, Tomomi.
Pensak, Louis.
Torre, Alton J.
Vilkomerson, Benjamin S.
Ragusa, Ross A., Alton, Ill. Oiling device. 2,601,557, June 24.
Rahn, Ivan J.: *See*—
Rahn, Rudolph J. and I. J.
Rahn, Rudolph J. and I. J., Dayton, Ohio. Angle block and manufacture. 2,601,630, June 24.
Rauland Corporation, The, assignee: *See*—
Harder, Arthur J., Jr.

Rawles, William T.: *See*—
Lloyd, Rex R., and Rawles.

Ray, George C.: *See*—
Hardy, Gordon W., Ray, and Carle.

Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Gas burner system utilizing safety push button. 2,601,321, June 24.

Redler, Arnold, Stroud, assignor to Arnold Redler Limited, Stroud, Gloucester, England. Conveyer for grain and like materials. 2,601,558, June 24.

Redler, Arnold, Limited, assignee: *See*—
Redler, Arnold.

Reese, Robert R., Port Arthur, Tex., assignor to Jefferson Chemical Company, Inc., New York, N. Y. Preparing olefin dichlorides in the presence of an inhibitor for substitution reactions. 2,601,322, June 24.

Reid, William B., Jr., and A. W. Schneider, assignors to The Upjohn Company, Kalamazoo, Mich. Preparing 4,4-diphenyl-6-dimethylamino-heptanone-3. 2,601,323, June 24.

Reintjes, George P., Kansas City, Mo. Furnace wall. 2,601,631, June 24.

Reman, Gerrit H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Liquid contact apparatus with rotating disks. 2,601,674, June 24.

Renard, Roland E.: *See*—
Peterson, William B., Jr., and Renard.

Research Engineering & Manufacturing, Inc., assignee: *See*—
Phipard, Harvey F., Jr.

Reynolds, William B., Bartlesville, Okla., and C. F. Fryling, Phillips, Tex., assignors to Phillips Petroleum Company. Producing an improved synthetic rubber from a multicomponent monomeric material. 2,601,632, June 24.

Reynolds, William J.: *See*—
Hartley, George C., Reynolds, and Haigh.

Ribeiro, Walter G., Camden, N. J. Apparatus for making clear ice blocks. 2,601,324, June 24.

Riblet, Royal N., Spokane, Wash. Pattern sprinkler. 2,601,559, June 24.

Richelieu Corporation, assignee: *See*—
Meyer, Maximilian C., and Cherry.

Richey, David M., Devon, assignor to United Aircraft Corporation, East Hartford, Conn. Gun adapter. 2,601,457, June 24.

Richter, Raymond R., Milwaukee, Wis. Segregating adjoining printed impressions. 2,601,325, June 24.

Riemenschneider, Claud C., Western Springs, Ill. Carpet rack or the like. 2,601,560, June 24.

Riener, Thomas W.: *See*—
Bruson, Herman A., and Riener.

Riordan, Howard C., Oak Park, Ill. Fibrous strip having absorbing sections alternating with nonabsorbing sections, and apparatus and producing same. 2,601,633, June 24.

Ritter Company, assignee: *See*—
Blatz, Hanson.

Rivette, Raymond W., San Francisco, Calif. Combination refrigerator and walk-in storage compartment. 2,601,634, June 24.

Rivington, Arthur A.: *See*—
Elliott, Harold E., George, and Rivington.

Robert, Roger A., Boulogne-sur-Seine, France. Aircraft control mechanism. 2,601,458, June 24.

Robertson, H. H., Company, assignee: *See*—
Allman, Edward J., and Yould.

Roedel, Milton J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of dibasic carboxylic acids. 2,601,223, June 24.

Roedel, Milton J., assignor to E. I. due Pont de Nemours and Company, Wilmington, Del. Preparation of difunctional compounds. 2,601,224, June 24.

Rohs, Joseph F., Riverside, Conn., and O. W. Davidson, New Brunswick, N. J., assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass. Fabric cover. 2,601,326, June 24.

Romagnan, Andrée, assignee: *See*—
Romagnan, Lucien.

Romagnan, Lucien, assignor to A. Romagnan, née (born) Sauvigne, Nice, Alpes-Maritimes, France. Extracting aromatic oils from vanilla beans. 2,601,635, June 24.

Rose, Alfred G., and J. A. Gilbert, Gainsborough, assignors to Rose Brothers (Gainsborough) Limited, London, England. Appaartus for coating and wrapping articles of plastic material. 2,601,636, June 24.

Rose Brothers (Gainsborough)) Limited, assignee: *See*—
Rose, Alfred G., and Gilbert.

Rose, Harry E., Buchanan, assignors to Interchemical Corporation, New York, N. Y. Photometric apparatus. 2,601,327, June 24.

Rose, John E., and E. W. Hinspater, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission. Pocket ionization chamber. 2,601,637, June 24.

Rosenthal, Adolph H., New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation. Color television. 2,601,328, June 24.

Ross, Howard C., Washington, D. C. Extended door latch. 2,601,459, June 24.

Rulon-Miller, Robert: *See*—
Cotchett, Louis M., and Rulon-Miller.

Rypinski, Albert B., Laurelton, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Circuit breaker. 2,601,638, June 24.

Salvin, Victor S., Irvington, N. J., assignor to Celanese Corporation of America. Dyeing cellulose acetate articles using a bath comprising a dispersed acetate dye, ethylene glycol monobutyl ether, and an emulsion of polymethyl vinyl ketone. 2,601,460, June 24.

Sanders, Herbert L., Phillipsburg, N. J., and W. J. Maxcy, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Detergent composition. 2,601,329, June 24.

Sandor, Florence M. A., executrix: *See*—
Sandor, Nicholas.

Sandor, Nicholas, deceased, Surbiton, England; F. M. A. Sandor, executrix of said N. Sandor. Device for use in washing the hair. 2,601,225, June 24.

Sauvigne, Andrée (Romagnan): *See*—
Romagnan, Lucien.

Schertz, Glenwood L., assignor to Hercules Powder Company, Wilmington, Del. Synthetic drying oils from polyvinyl alcohol and production. 2,601,561, June 24.

Schmidt, William D., assignor, by mesne assignments, to Leland-Gifford Company, Worcester, Mass. Layout device. 2,601,330, June 24.

Schmitt, Otto H., Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Noise generator. 2,601,226, June 24.

Schneider, Alexander W.: *See*—
Reid, William B., Jr., and Schneider.

Schneider, Nathan, Mount Vernon, N. Y., assignor to K-D Manufacturing Company, Lancaster, Pa. Valve spring compressor. 2,601,639, June 24.

Schoenholz, Daniel: *See*—
Morrison, George O., and Schoenholz.

Schoeppner, Karl P., Whitefish Bay, and C. F. Zaitz, Port Washington, assignors to Harnischfeger Corporation, Milwaukee, Wis. Priming apparatus for internal-combustion engines. 2,601,562, June 24.

Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker. 2,601,417, June 24.

Scott & Williams, Incorporated, assignee: *See*—
Page, Frank R.

Sédille, Marcel H. L., assignee: *See*—
Imbert, Roger J., and Sédille.

Segal, Hyman R., New York, N. Y. Key retainer. 2,601,331, June 24.

Seibert, Ernest H.: *See*—
Krause, Richard S., and Seibert.

Selwyn-Landers Company, assignee: *See*—
Selwyn, Marlowe F.

Selwyn, Marlowe F., assignor to Selwyn-Landers Company, Los Angeles, Calif. Relief valve. 2,601,563, June 24.

Shaffer, Chester E., Arlington, N. J., assignor to Koppers Company, Inc. Ash remover for stokers. 2,601,332, June 24.

Shaffer, Chester E., Arlington, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa. Coke stoker with oscillatable clinker breaker. 2,601,333, June 24.

Shawinigan Products Corporation, assignee: *See*—
Morrison, George O., and Schoenholz.

Shay, Charles W.: *See*—
Horning, Samuel C., and Shay.

Shebel, Anthony P., Milwaukee, Wis. Saw filer. 2,601,227, June 24.

Sheetz, Martin L.: *See*—
Zellman, Roy H., and Sheetz.

Shell Development Company, assignee: *See*—
Deming, Philip H.
Harman, Denham, and Stiles.
Hearne, George W., and La France.
Lamb, John.
McMillan, Frank M., and Bishop.
Permann, Karl.
Reman, Gerrit H.
Trainer, Richard P., and Border.

Shelton, Robert S., Mariemont, J. L. Farmer, Cincinnati, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. N-[2-methoxy-3-(α,β-dicarboxyethylmercaptomercuri) - propyl] - O - carboxymethylsalicylamide. 2,601,461, June 24.

Sherk, Daniel L.: *See*—
Martin, Mervin E., and Sherk.

Shields, Herbert F. H., assignor to British Ropeway Engineering Company Limited, London, England. Hoist. 2,601,228, June 24.

Shoaf, Floyd R., and J. R. Livengood, Jr., Concord, N. C., said Livengood, Jr., assignor to said Shoaf. Hosiery inspection and mending form. 2,601,229, June 24.

Shobe, Chester L., Great Bend, Kans. Valve operating mechanism. 2,601,230, June 24.

Siegert, Arnold J. F., Evanston, Ill., assignor to The Texas Company, New York, N. Y. Detecting gamma rays. 2,601,334, June 24.

Simmons, Harlon D., Tylertown, Miss. Soil tilling implement. 2,601,640, June 24.

Simpson, Justin, Elmhurst, and C. W. Thomas, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Machine for reshaping the flange of irregular shaped cans. 2,601,641, June 24.

Skiatron Electronics and Television Corporation, assignee: *See*—
Rosenthal, Adolph H.

Slotter, Richard L., assignor to Archer-Daniels-Midland Company, Minneapolis, Minn. Dextrinization of sorghum flour. 2,601,335, June 24.

Smith, David P., Meriden, Conn. Suturing device. 2,601,564, June 24.

Smith, Edmund G., Cedar Grove, and O. M. Cocchiarella, Newark, assignors to Equipment Development Co., Inc., Montclair, N. J. Quick-acting diaphragm operated gate valve. 2,601,231, June 24.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Adhering silicone rubber to copper. 2,601,336, June 24.

Smith-Johannsen, Robert, Schenectady, N. Y., assignor to General Electric Company. Improving the adhesion of organopolysiloxanes to solid surfaces. 2,601,337, June 24.

Smith, Wesley A., Ferndale, assignor to Tilt-A-Door Corporation, Detroit, Mich. Door mounting. 2,601,565, June 24.

Snyder, Christopher L., North Plainfield, assignor to Steatite Research Corporation, Keasbey, N. J. Variable parallel resonant circuit. 2,601,338, June 24.

Snyder, Jacob R., assignor to Thompson Products, Inc., Cleveland, Ohio. Drum cap and spigot valve assembly. 2,601,339, June 24.

Societe a Responsabilite Limite Fonderi de Precision, assignee: *See*—
Nau-Touron, Albert.

Societe Rateau (Societe Anonyme), assignee: *See*—
Imbert, Roger J., and Sédille.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Koch, Robert L.
McLoad, Kenneth W.

Soderquist, Leslie E., assignor to The McNeil Machine and Engineering Company, Akron, Ohio. Closure operating mechanism. 2,601,566, June 24.

Sohn, William H., and H. B. Lindemann, Baltimore, Md., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Cover retaining mechanism. 2,601,232, June 24.

Spahn, Hilbert C., Kewanee, Ill. Expanding mandrel. 2,601,419, June 24.

Specific Pharmaceuticals, Inc., assignee: *See*—
Lovas, Joseph J.

Spo, Inc., assignee: *See*—
Young, Lester C.

Spry, Hiram A., Munith, Mich. Disinfecting seed potato cutter. 2,601,233, June 24.

Stachura, Edward J., Arlington, Va. Frequency discriminator. 2,601,340, June 24.

Stackhouse, William V., Redondo Beach, Calif., assignor to North American Aviation, Inc. Hose clamp. 2,601,420, June 24.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Transfer molding press. 2,601,341, June 24.

Staley, A. E., Manufacturing Company, assignee: *See*—
Durkee, Maurice M.

Stammer, William C., Glenview, and C. R. Breden, La Grange, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Method and apparatus for regulating the size and form of solder pellets. 2,601,642, June 24.

Standard Gage Company, Inc., assignee: *See*—
Boat, Earl M.

Standard Oil Company, assignee: *See*—
Brenholdt, Irving R.

Stanley, Paul H., Huntingdon Valley, assignor to Autogiro Company of America, Philadelphia, Pa. Jet driven rotor blade structure. 2,601,463, June 24.

Starts, Albert, Fort Lauderdale, Fla., assignor, by mesne assignments, to Camfield Manufacturing Company, Grand Haven, Mich. Mounting for internal-combustion engines. 2,601,342, June 24.

Staschover, Leo: *See*—
French, Heyward A., and Staschover.

Steatite Research Corporation, assignee: *See*—
Ducatman, Frederich P., and Elsenmann.
Snyder, Christopher L.

Steinberg, Leon J., Baltimore, Md. Manually driven toothbrush. 2,601,567, June 24.

Steringa Idzerda, Henrikus H. S. à, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Tube generator. 2,601,416, June 24.

Sterling Drug Inc., assignee: *See*—
Suter, Chester M.

Stiles, Alan R.: *See*—
Harman, Denham and Stiles.

Stinson, John A., assignee: *See*—
Hammes, Frederic J.

Streader, William J., assignor to Tate Bros., Portslade, England. Attaching connections to stranded cables. 2,601,462, June 24.

Sulger, Adolf, Kilchberg, Switzerland. Angle measuring instrument. 2,601,643, June 24.

Sun Oil Company, assignee: *See*—
Yetter, Edward W.

Sussenbach, Paul, St. Louis, and C. J. Young, Florissant, assignors to The Presstite Engineering Company, St. Louis, Mo. Closure for flexible tubing. 2,601,568, June 24.

Suter, Chester M., Albany, assignor to Sterling Drug Inc., New York, N. Y. Aqueous solution of riboflavin. 2,601,569, June 24.

Suthers, Harold F., Ridgefield Park, assignor to Mundet Cork Corporation, North Bergen, N. J. Feeding apparatus. 2,601,570, June 24.

Sverkerson, William C., Robbinsdale, assignor of one-half to R. Petefish, Minneapolis, Minn. Glass stand. 2,601,571, June 24.

Swem, Lee A., Portland, Oreg. Key fastener. 2,601,644, June 24.

Sylvania Electric Products, Inc., assignee: *See*—
Iehler, Harry K.

Tanke, Willard H., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Implement tire. 2,601,464, June 24.

Tate Bros., assignee: *See*—
Streader, William J.

Tatom, Mamie A., Greenville, Miss. Cotton picker's bag. 2,601,465, June 24.

Taylor, Taylor & Hobson Limited, assignee: *See*—
Cook, Gordon H.

Taylor-Winfield Corporation, The, assignee: *See*—
Blair, Robert H.

Teal, Gordon K.: *See*—
Dienel, Hans F., and Teal.

Texas Company, The, assignee: *See*—
Siegert, Arnold J. F.

Textile and Chemical Research Company Limited, assignee: *See*—
Joris, Gaston.

Thaning, Otto, Elkenhof, Transvaal, Union of South Africa. Shelling nuts. 2,601,421, June 24.

Thew Shovel Company, The, assignee: *See*—
Zellman, Roy H., and Sheetz.

Thilén, Leif G. L., Nissafors, Sweden. Paper parachute. 2,601,343, June 24.

Thomas, Benjamin D., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Defroster circuit. 2,601,466, June 24.

Thomas, Curtis W.: *See*—
Simpson, Justin, and Thomas.

Thomas, Walter M., Springdale, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Polymerizable compositions, including 4-allyloxymethyl-1,3-dioxolane and polymerization products thereof. 2,601,572, June 24.

Thompson Products, Inc., assignee: *See*—
Snyder, Jacob R.
Townhill, Arthur.

Thumim, Carl, Yeadon, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker. 2,601,422, June 24.

Tilford, Charles H.: *See*—
Shelton, Robert S., Farmer, and Tilford.

Tilt-A-Door Corporation, assignee: *See*—
Smith, Wesley A.

Timken-Detroit Axle Company, The, assignee: *See*—
Keese, Beverly W.

Timmersman, David J. W.: *See*—
Norris, Lannie F., and Timmersman.

Tomkins, Walter M. Hinsdale, and C. E. Magnus, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Agitating pressure cooker. 2,601,645, June 24.

Torre, Alton J., Westmont, N. J., assignor to Radio Corporation of America. Triode mixer construction. 2,601,467, June 24.

Towler, Frank H.: *See*—
Towler, John M., and Towler.

Towler, John M., Harrogate, and F. H. Towler, Otley, assignors to Electraulic Presses Limited, Rodley, near Leeds, England. Hydraulic system for supplying pressure liquid to motors of hydraulic machines. 2,601,675, June 24.

Townhill, Arthur, assignor to Thompson Products, Inc., Cleveland, Ohio. Piston. 2,601,344, June 24.

Trainer, Richard P., Amityville, N. Y., and L. E. Border, Westwood, N. J., assignors to Shell Development Company, San Francisco, Calif. Control of flow of fluidized solids. 2,601,676, June 24.

Tudor, Thomas J., Borger, Tex. Automobile drive wheel power take-off. 2,601,234, June 24.

Tullsen, Volney, Westfield, and F. L. Pfeiffer, Chatham, N. J., assignors to American Cyanamid Company, New York, N. Y. Stabilizing calcium lithol toners. 2,601,468, June 24.

Tullsen, Volney, Westfield, and F. L. Pfeiffer, Chatham, N. J., assignors to American Cyanamid Company, New York, N. Y. Stabilizing calcium lithol toners. 2,601,469, June 24.

Tullsen, Volney, Westfield N. J., assignor to American Cyanamid Company, New York, N. Y. Stabilized barium and strontium lithol toners. 2,601,668, June 24.

Tullsen, Volney, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Stabilized barium and strontium lithol toners. 2,601,669, June 24.

Turchan, Manuel, Dearborn, Mich. Tracer-guided reproducing machine. 2,601,345, June 24.

Turner, John J., Highland Park, Mich. Circumcision clamp. 2,601,470, June 24.

Tyler, Leslie J., assignor to Dow Corning Corporation, Midland, Mich. Polyesters of dicarboxyphenyldimethylsilane. 2,601,646, June 24.

United Aircraft Corporation, assignee: *See*—
Richey, David M.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Ballou, Charles O.
Rose, John E., and Hinspater.

United States of America, assignee: *See*—
Welch, Henry.

United States Plywood Corporation, assignee: *See*—
Hemming, Charles B., and Overholt.

U. S. Slicing Machine Company, Inc., assignee: *See*—
Van Duyn, Adrianus.

United Shoe Machinery Corporation, assignee: *See*—
Elliott, Harold E., George, and Rivington.

Universal Chain Co. Inc., assignee: *See*—
Weinacker, Hermann, and Dieterich.

University of Illinois Foundation, The, assignee: *See*—
Miles, John C.

Upjohn Company, The, assignee: *See*—
Cookson, Leonard T.
Heinzelmann, Richard V.
Heyl, Frederick W., and Herr.
Reid, William B., Jr., and Schneider.

Upper, John A., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Ingot mold. 2,601,647, June 24.

Valensi, Georges, Paris, France. Polarization corrector. 2,601,346, June 24.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Weighing apparatus. 2,601,648, June 24.

Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne radio-receiving set. 2,601,472, June 24.

Van Weynsbergen, Charles L., Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Supervisory device both for comparatively small and comparatively large voltage variations. 2,601,473, June 24.

Van Zelst, Johannes J. Z., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Bridge-type transducer circuit with oscillator. 2,601,474, June 24.

Vang, Alfred, New York, N. Y. Jet propulsion means having vibrator therein. 2,601,471, June 24.

Venis, Ernest, Hatch End, assignor to The British Vacuum Flask Company, Limited, London, England. Jacketed vacuum flask. 2,601,573, June 24.

Victor Chemical Works, assignee: *See*—
Bell, Russell N.

Vilkomerson, Benjamin S., Camden, N. J., assignor to Radio Corporation of America. Frequency converter for AM-FM receivers. 2,601,475, June 24.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred.

Vonnegut Moulder Corporation, assignee: *See*—
Bruner, George W.

Wadman, Harold A., West Hartford, Conn., assignor to Emhart Manufacturing Company. Electronic thickness gauge. 2,601,649, June 24.

Waller, Fred, Huntington, assignor to The Vitarama Corporation, Huntington Station, N. Y. Motion-picture apparatus with pneumatic pulldown for films. 2,601,347, June 24.

Walter, Albert H., Brooklyn, A. N. Florence, New York, and R. H. Lendh, Bronx, N. Y.; said Florence and said Lendh assignors to said Walter. Paper dispensing pencil. 2,601,650, June 24.

Walters, William D.: *See*—
Hilborn, Howard D., and Walters.

Wandy, Joseph, Hartford, Conn. Self-locking connecting means. 2,601,651, June 24.

Weatherstone, Alan, Oakville, Ontario, Canada. Window. 2,601,476, June 24.

Weaver, Ashley L., Maplewood, Mo., assignor by decree of distribution to Edith Weaver. Lawn mower sharpening machine. 2,601,574, June 24.

Weaver, Edith, assignee: *See*—
Weaver, Ashley L.

Webb, Jervis B., Bloomfield Hills, and E. W. McCaul, Birmingham, assignors to Jervis B. Webb Company, Detroit, Mich. Floor truck overhead conveyor drive. 2,601,477, June 24.

Webb, Jervis B., Company, assignee: *See*—
Webb, Jervis B., and McCaul.

Weinacker, Hermann, Short Hills, and F. A. Dieterich, assignors to Universal Chain Co. Inc., Maplewood, N. J. Antikink ornamental chain. 2,601,575, June 24.

Weinhold, Clarence M., Cottonwood, Minn. Husk clearing device for corn shellers. 2,601,348, June 24.

Weir, Charlie T., Refugio, Tex. Sucker rod guide. 2,601,478, June 24.

Welch, Arthur R., Hoquiam, Wash. Method of and apparatus for making covered wood products. 2,601,349, June 24.

Welch, Henry, Silver Spring, Md., assignor to the United States of America. Hydrolysis of beta lactam linkage by penicillinase. 2,601,350, June 24.

Wells, Dana H.: *See*—
Wells, William F., and D. H.

Wells, William F., and Dana H. Wells, Three Rivers, Mich. Power saw control. 2,601,576, June 24.

Westinghouse Electric Corporation, assignee: *See*—
Botts, John C., and Philofsky.
Hague, Floyd T.
Hunt, William T., Jr.
Marcum, Jess I.

Weston, Arthur W., Waukegan, assignor to Abbott Laboratories, North Chicago, Ill. Thiophene and halothiophenecarboxaldehydes. 2,601,479, June 24.

Wettlaufer, Elmer G., Bloomfield Hills, Mich. Combination door pull-to and armrest. 2,601,677, June 24.

Wheeler, C. H., Manufacturing Company, assignee: *See*—
Link, Harry W.

White, Ambrose, Kentwood, La. Rotary pump or motor. 2,601,670, June 24.

Whitmore, Harland W., Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich. Latch and handle mechanism. 2,601,577, June 24.

Wilburn, John L., Texarkana, Tex. Joining sleeve. 2,601,351, June 24.

Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.

Williams, David F., and J. D. Williams, assignors to Williams Refrigeration, Inc., Greenville, S. C. Air-conditioned open top display cabinet. 2,601,652, June 24.

Williams, James D.: *See*—
Williams, David F. and J. D.

Williams Refrigeration, Inc., assignee: *See*—
Williams, David F. and J. D.

Williams, Victor G., assignor, by mesne assignments, to Delamere & Williams Company Limited, Toronto, Ontario, Canada. Bag opening and spreading mechanism. 2,601,480, June 24.

Williams, Victor G., assignor, by mesne assignments, to Delamere & Williams Company Limited, Toronto, Ontario, Canada. Opening and loading carton blanks on the conveyer of a packaging machine. 2,601,481, June 24.

Wilson, Lucius H.: *See*—
Daniel, John H., Jr., Wilson, Hastings, and Landes.

Wilson, Lucius H., Greenwich, C. G. Landes, New Canaan, and C. S. Maxwell, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Resin-impregnated leather board. 2,601,671, June 24.

Witt, Richard M., San Francisco, Calif., assignor, by mesne assignments, to M & J Engineering Co. Valve construction. 2,601,578, June 24.

Wittmann, Robert A., Chicago, Ill. Curie point valve. 2,601,579, June 24.

Wolfe, Henry K., Spokane, Wash. Rotary rod weeder. 2,601,653, June 24.

Wolter, Frederick J.: *See*—
Alexander, Guy B., Iler, and Wolter.

Wolter, Frederick J., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Silica sols and making same. 2,601,352, June 24.

Wood, Joseph D., Upper Darby, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker-blow open, blow closed contacts. 2,601,482, June 24.

Wood, Joseph D., Strafford Village, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Blow open, blow closed circuit breaker system. 2,601,483, June 24.

Wood, Joseph D., Strafford Village, Teddyffrin Township, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Blow open, blow closed circuit breaker. 2,601,484, June 24.

Woodward, Robert W., Rockland, Mass. Closure and support for bottles, with locking means. 2,601,353, June 24.

Wright, Charles B., McFaddin, Tex. Automatic choke control. 2,601,654, June 24.

Wyandotte Chemicals Corporation, assignee: *See*—
Lundsted, Lester G.

Wylie, Donald L., Portland, Oreg. Electronic differential relay systems. 2,601,354, June 24.

Wyss, Oswald F., Zurich, Switzerland, and H. Peter, Strasbourg, France, said Peter assignor to said Wyss. Apparatus for impregnating pourable material such as chips, shavings, and fibrous material. 2,601,355, June 24.

Yanus, Bronislow J., Jamaica Plains, Mass. Hypodermic needle. 2,601,580, June 24.

Yetter, Edward W., assignor to Sun Oil Company, Philadelphia, Pa. Circuit having high input impedance and linear response. 2,601,485, June 24.

Yould, Eric: *See*—
Allman, Edward J. and Yould.

Young, Clem J.: *See*—
Sussenbach, Paul, and Young.

Young, Elnar O., Winter Park, Fla. Lawn sprinkler. 2,601,655, June 24.

Young, Lester C., Cleveland, Ohio, assignor to Spo, Inc. Foundry machine. 2,601,656, June 24.

Zaiger, Max, assignee: *See*—
Nesson, Israel.

Zaitz, Colman F.: *See*—
Schoeppner, Karl P., and Zaitz.

Zeller, Frank J., Brooklyn, N. Y. Polishing apparatus. 2,601,581, June 24.

Zellman, Roy H., and M. L. Sheetz, Elyria, assignors to The Thew Shovel Company, Lorain, Ohio. Preloading of bogies for motor cranes and the like. 2,601,486, June 24.

Zenith Radio Corporation, assignee: *See*—
Ellett, Alexander.
Gray, Richard O.

Zientowski, Edward L., Toledo, Ohio. Fishing reel. 2,601,582, June 24.

Zilinsky, Frank W., Downey, Calif. Insect retriever. 2,601,487, June 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Artificial resins and making them. A. Voss. Re. 23,514, June 24.
Crankshaft bearing assembly. E. K. Johansen. Re. 23,513, June 24.
Friction snubber for railway car truck springs. W. E. Withall. Re. 23,515, June 24.

LIST OF PLANT INVENTIONS

Camellia plant. C. N. Hastie, Jr. 1,107, June 24.
Rose plant. E. G. Fisher. 1,109, June 24.
Syringa vulgaris plant. G. Maarse. 1,108, June 24

LIST OF DESIGN INVENTIONS

Bank and picture frame, Combined. B. B. Salmon. 167,117, June 24.
Barbecue meat cooker and bun toaster, Combined. F. F. Gunther. 167,077, June 24.
Boot for dogs. H. E. Monroe. 167,092, June 24.
Bottle. A. R. Kaufer. 167,085, June 24.
Broiler, Electric. M. Steinbook. 167,122, June 24.
Brooch or similar article. J. Martial and L. L. Ciampa. 167,091, June 24.
Brooch, Separable. A. Katz. 167,084, June 24.
Brush, Fountain. E. M. Apple. 167,064, June 24.
Chain for a necklace or the like, Link. A. Philippe. 167,097, June 24.
Clock. J. F. Punzak. 167,101, June 24.
Container, Pickle assortment. T. W. Kyte. 167,087, June 24.
Cover for a filter. H. G. Kamrath. 167,082, June 24.
Dispenser, Fruit juice. V. P. Steele. 167,121, June 24.
Door mat. M. O. Bohanan. 167,065, June 24.
Drapery mounting ring. B. Yellin. 167,128, June 24.
Fabric, Textile. H. Rose. 167,102–16, June 24.
Fan. W. E. Moore. 167,093, June 24.
Figurine. J. Chase. 167,068, June 24.
Game board. R. U. Bronson. 167,066, June 24.
Guard for a toilet paper fixture. S. L. Gerson. 167,074, June 24.
Handbag. M. S. Graber. 167,075, June 24.
Handle for a home freezer. J. H. Walter. 167,126, June 24.
Lantern, Hanging. E. R. Huegel. 167,080, June 24.
Leveling support for carpenter's level. W. L. Heffern. 167,079, June 24.
Lighting fixture, Ceiling. E. R. Huegel. 167,081, June 24.
Necklace or the like. A. Philippe. 167,098–9, June 24.
Noise eliminator cap unit. C. Leight. 167,089, June 24.
Nozzle, Fire hose. P. Caird. 167,067, June 24.
Pan, Baking. J. Teague. 167,123, June 24.
Pie dough cutter. R. Shaw. 167,118, June 24.
Pipe, Smoker's. M. A. Gross. 167,076, June 24.
Plate. S. and J. Davis. 167,069–71, June 24.
Playsuit, Child's. R. T. Friedman. 167,073, June 24.
Pressing iron. F. W. Perl. 167,096, June 26.
Ring, Finger. V. Sorrentino. 167,120, June 24.
Sandal. J. B. Flautt. 167,072, June 24.
Scoreboard for wrestling matches. C. R. Myers. 167,094, June 24.
Serving tray, glass caddy, and ice bucket, Combined. R. B. Karoff. 167,083, June 24.
Sofa or similar article. P. Tuttle. 167,124, June 24.
Spoon, Utility. C. A. Laughlin. 167,088, June 24.
Stand, Ironer. A. T. Shott. 167,119, June 24.
Stool. P. Tuttle. 167,125, June 24.
Stopper, Bottle. A. R. Kaufer. 167,086, June 24.
Syringe, Disposable. H. G. Willis. 167,127, June 24.
Toy, Inflatable water. E. Harrowe. 167,078, June 24.
Tray, Paperboard. L. C. Pennebaker. 167,095, June 24.
Tray, Cigarette service. G. L. Phillips and L. E. Terry. 167,100, June 24.
Tricycle, Child's. G. E. Lines. 167,090, June 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1952

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive head. G. W. Bruner. 2,601,499, June 24.
Acrylonitrile polymer solutions in a cyclic carbonate solvent containing a ketone as a discoloration inhibitor. H. A. Bruson. 2,601,255, June 24.
Acrylonitrile polymers. H. A. Bruson. 2,601,251, June 24.
Acrylonitrile polymers. H. A. Bruson. 2,601,256, June 24.
Adhering silicone rubber to copper. R. Smith-Johannsen. 2,601,336, June 24.
Adjustable member for head protective equipment. C. E. Bowers. 2,601,362, June 24.
Air cleaner. G. W. Hardy, G. C. Ray, and P. Carle. 2,601,519, June 24.
Air-conditioned open top display cabinet. D. F. and J. D. Williams. 2,601,652, June 24.
Aircraft control mechanism. R. A. Robert. 2,601,458, June 24.
Air hammer safety valve. C. A. Bushey. 2,601,588, June 24.
Alpha-alkyl-beta-arylnitroethenes. R. V. Heinzelmann. 2,601,282, June 24.
Amides having tertiary carbon attached to amido nitrogen, Preparation of. W. F. Gresham and W. E. Grigsby. 2,601,387, June 24.
Angle block and manufacture. R. J. and I. J. Rahn. 2,601,630, June 24.
Annealing spider. R. G. Miller, III. 2,601,443, June 24.
Anticoagulant, amide of 3,3′-carboxy-methylene bis(4-hydroxycoumarin). J. J. Lovas. 2,601,308, June 24.
Antikink ornamental chain. H. Weinacker and F. A. Dieterich. 2,601,575, June 24.
Apparatus and procedure for the determination of helium in gases. E. M. Frost, Jr. 2,601,272, June 24.
Apparatus for applying designs to surfaces. J. J. Ackell. 2,601,356, June 24.
Apparatus for coating and wrapping articles of plastic material. A. G. Rose and J. A. Gilbert. 2,601,636, June 24.
Apparatus for conveying packages. L. B. Eaton. 2,601,376, June 24.
Apparatus for extracting water from webs of pulp or paper. J. W. W. Evans. 2,601,378, June 24.
Apparatus for impregnating cord. M. E. Hansen. 2,601,394, June 24.
Apparatus for impregnating pourable material such as chips, shavings, and fibrous material. O. F. Wyss and H. Peter. 2,601,355, June 24.
Apparatus for making clear ice blocks. W. G. Ribeiro. 2,601,324, June 24.
Apparatus for raising reclining corn plants to vertical positions. K. D. Laun. 2,601,305, June 24.
Apparatus for splitting almonds. D. R. Bailey. 2,601,490, June 24.
Apparatus for taking photographs of body cavities. E. J. Marcouiller. 2,601,406, June 24.
Apparatus for the combustion of combustible and vaporizable substances. C. A. Bonvillian, R. C. Brierly, and S. Letvin. 2,601,242, June 24.
Application of dispersed coating materials to cellulosic fibers. J. H. Daniel, Jr., L. H. Wilson, R. Hastings, and C. G. Landes. 2,601,597, June 24.
Application of dispersed materials to cellulosic fibers. J. H. Daniel, Jr., L. H. Wilson, R. Hastings, and C. G. Landes. 2,601,598, June 24.
Aqueous solution of riboflavin. C. M. Suter. 2,601,569, June 24.
Aromatic chlorethylamines and their salts. W. S. Gump and E. J. Nikawitz. 2,601,275, June 24.
Article holding and spraying device, Small. J. J. Byrnes. 2,601,364, June 24.
Ash remover for stokers. C. E. Shaffer. 2,601,332, June 24.
Attaching connections to stranded cables. W. J. Streader. 2,601,462, June 24.
Attaching ends to cylindrical objects of resin impregnated cloth laminates and products so produced. F. P. Ducatman and C. E. Eisenmann. 2,601,266, June 24.
Automatic control for swinging doors. W. O. Ford. 2,601,604, June 24.
Automobile bug deflector. J. S. Kish. 2,601,401, June 24.
Bag: *See*—
Cotton picker's bag.
Bag opening and spreading mechanism. V. G. Williams. 2,601,480, June 24.
Base for drinking glasses, Nontoppling. J. J. Hacus. 2,601,279, June 24.
Baton having selectively illuminated section. J. W. Peters. 2,601,554, June 24.
Bead coating machine. M. C. Meyer and F. Cherry. 2,601,307, June 24.
Bed, Auto. P. E. Allen. 2,601,488, June 24.
Belt, Lineman's. F. C. Childers, Sr. 2,601,589, June 24.
Binary add-subtract device. G. C. Hartley, W. J. Reynolds, and L. B. Haigh. 2,601,281, June 24.
Block: *See*—
Crown block.
Blow open, blow closed circuit breaker. J. D. Wood. 2,601,484, June 24.
Board: *See*—
Resin-impregnated leather board.
Bracket for adjustably mounting oil burners. A. A. Marcus and J. S. Goldberg. 2,601,540, June 24.
Brake mechanism. E. R. Price. 2,601,627, June 24.
Broadcasting television performances. J. Leonard. 2,601,441, June 24.
Brush and polisher, Combination floor. C. S. Lofgren. 2,601,537, June 24.
Building blocks and the like, Making faced. J. A. Knighton. 2,601,532, June 24.
Built-up silica particles, Producing. G. B. Alexander, R. K. Iler, and F. J. Wolter. 2,601,235, June 24.
Bulletproof fuel tank. A. M. Howald and L. S. Meyer. 2,601,525, June 24.
Burner: *See*—
Radiant gas burner.
Cabinet: *See*—
Air-conditioned open top display cabinet.
Liquid dispensing cabinet.
Refrigerator cabinet.
Cable geophone, Double coil. K. W. McLoad. 2,601,543, June 24.
Cableway. N. S. Bateman. 2,601,585, June 24.
Cage-type rattrap. H. C. McCurrie. 2,601,622, June 24.
Camera shutter, Two-ring action. J. E. Henry. 2,601,286, June 24.
Can-end maker. W. B. Peterson, Jr. and R. E. Renard. 2,601,625, June 24.
Can sorting machine. W. T. Goodban. 2,601,514, June 24.
Carboxyphenylpolysiloxanes. A. J. Barry and J. W. Gilkey. 2,601,237, June 24.
Carrier apparatus for paper driers. T. L. Coleman. 2,601,502, June 24.
Catalytic isomerization of propylene oxide to propionaldehyde, catalyst therefor, and synthesis of catalyst. L. G. Lundsted. 2,601,538, June 24.
Cathode-ray storage tube. L. Pensak. 2,601,452, June 24.
Cathode-ray tube sealing apparatus. A. J. Harder, Jr. 2,601,518, June 24.
Centrifugal casting machine. J. D. Guelph. 2,601,389, June 24.
Chain: *See*—
Antikink ornamental chain.
Chair: *See*—
Reversible wheel chair.
Chlorination of (perfluoroalkyl) benzenes. E. T. McBee and M. R. Frederick. 2,601,310, June 24.
Choke control, Automatic. C. B. Wright. 2,601,654, June 24.
Chute supporting mechanism. J. A. Nicholson. 2,601,449, June 24.
Circuit: *See*—
Electric circuit.
Two-way wire telephone repeater circuit.
Variable parallel resonant circuit.
Vertical sweep synchronizing circuit.
Circuit breaker. A. B. Rypinski. 2,601,638, June 24.
Circuit breaker. W. M. Scott, Jr. 2,601,417, June 24.
Circuit breaker. C. Thumim. 2,601,422, June 24.
Circuit breaker-blow open, blow closed contacts. J. D. Wood. 2,601,482, June 24.
Circuit breaker system, Blow open, blow closed. J. D. Wood. 2,601,483, June 24.
Circuit having high input impedance and linear response. E. W. Yetter. 2,601,485, June 24.
Circuits for carrier wave communication systems and the like, Supervisory signaling. E. H. B. Bartelink. 2,601,425, June 24.
Circular loom. V. M. J. Ancet. 2,601,358, June 24.
Circular-saw stump-cutting attachment for tractors. R. E. Chapman. 2,601,366, June 24.

Circumcision clamp. J. J. Turner. 2,601,470, June 24.
Clamp: *See*—
Circumcision clamp. Hose clamp.
Closure and support for bottles with locking means. R. W. Woodward. 2,601,353, June 24.
Closure for flexible tubing. P. Sussenbach and C. J. Young. 2,601,568, June 24.
Closure for fluoroscope machine casing. H. Blatz. 2,601,361, June 24.
Closure operating mechanism. L. E. Soderquist. 2,601,566, June 24.
Clothes hanger shoulder shield and hook, Combined. S. D. Mallory. 2,601,442, June 24.
Clutch control mechanism. E. E. Prather. 2,601,626, June 24.
Coaster. W. A. McGrew. 2,601,312, June 24.
Coke stoker with oscillatable clinker breaker. C. E. Shaffer. 2,601,333, June 24.
Combustion chamber for gas turbines with circumferentially arranged pulverized solid fuel and air nozzles. F. T. Hague. 2,601,390, June 24.
Compensated thermopile. W. G. Fastie. 2,601,508, June 24.
Compressor, Valve spring. N. Schneider. 2,601,639, June 24.
Connector: *See*—
Wire connector.
Container: *See*—
Dispensing milk container.
Continuous process for thermal extraction of oil shale. F. E. Buchan. 2,601,257, June 24.
Control for flying model airplanes. D. F. McArthur and W. J. Goertz. 2,601,409, June 24.
Control gate. J. A. McKay. 2,601,410, June 24.
Control of flow of fluidized solids. R. P. Trainer and L. E. Border. 2,601,676, June 24.
Control system for pneumatic dispatch systems. J. W. Halpern. 2,601,391, June 24.
Control system with single pulse train. J. H. Hammond, Jr. 2,601,392, June 24.
Control valve. R. E. Hays. 2,601,280, June 24.
Conveyer, Crate. A. L. Eshelman. 2,601,507, June 24.
Conveyer for grain and like materials. A. Redier. 2,601,558, June 24.
Cooker, Deep well electric. W. J. Miller. 2,601,546, June 24.
Cooler: *See*—
Self-operating evaporative cooler.
Cooler and carbonator. J. L. Barr. 2,601,493, June 24.
Cooling gases containing condensible material. P. C. Keith. 2,601,298, June 24.
Copolymers of cyclopentadiene. H. L. Gerhart. 2,601,273, June 24.
Coprecipitated alumina-metal oxide gel catalysts and their preparation. J. R. Owen and J. W. Myers. 2,601,624, June 24.
Cotton picker's bag. M. A. Tatom. 2,601,465, June 24.
Coupling: *See*—
Variable speed rotary hydraulic coupling.
Cover: *See*—
Fabric cover. Ironer roll cover.
Grain unloader having a feed auger with an adjustable cover. Wheel cover.
Cover retaining mechanism. W. H. Sohn and H. B. Lindemann. 2,601,232, June 24.
Crown block. H. D. Hilborn and W. D. Walters. 2,601,611, June 24.
Curie point valve. R. A. Wittmann. 2,601,579, June 24.
Curler, Hair. P. Bonneau. 2,601,428, June 24.
Curved lengths of plastic material and apparatus for making the same. R. A. Fisch. 2,601,269, June 24.
Cutter: *See*—
Disinfecting seed potato cutter. Fabric cutter.
Cutting implement holder. H. O'Neill. 2,601,450, June 24.
Defroster circuit. B. D. Thomas. 2,601,466, June 24.
Deicing wiper blade for curved windshields. I. Nesson. 2,601,664, June 24.
Detecting gamma rays. A. J. F. Siegert. 2,601,334, June 24.
Detergent composition. H. L. Sanders and W. J. Maxcy. 2,601,329, June 24.
Device for opening bobby pins. W. F. Cogswell. 2,601,590, June 24.
Device for supporting pipe fittings for welding. L. W. Marshall. 2,601,407, June 24.
Device for use in the stropping of safety razor blades. J. J. Hill. 2,601,523, June 24.
Device for use in washing the hair. N. Sandor. 2,601,225, June 24.
Dextrinization of sorghum flour. R. L. Slotter. 2,601,335, June 24.
Dial bore gauge. E. M. Boat. 2,601,496, June 24.
Dialkenyl alkanephosphonates and polymers thereof. D. Harman and A. R. Stiles. 2,601,520, June 24.
Dibasic carboxylic acids, Preparation of. M. J. Roedel. 2,601,542, June 24.
Difunctional compounds, Preparation of. M. J. Roedel. 2,601,224, June 24.
Direct current stabilizer. H. A. French and L. Staschover. 2,601,271, June 24.
Disinfecting seed potato cutter. H. A. Spry. 2,601,233, June 24.
Disk recorder and playback device, Automatic. R. M. Cain. 2,601,501, June 24.
Dispenser: *See*—
Self-leveling dispenser.
Dispenser having resiliently connected inlet and outlet valves, Takedown liquid measuring. A. G. Berwick. 2,601,359, June 24.
Dispensing milk container. J. P. Jones. 2,601,399, June 24.
Dissolution of chromium from chromite ores. R. R. Lloyd and W. T. Rawles. 2,601,306, June 24.
Distributor. J. F. Laffoon. 2,601,534, June 24.
Distributor of the rotary type. R. B. Carter, Jr. 2,601,430, June 24.
Doorknob construction. S. J. Cronin. 2,601,596, June 24.
Door mounting. W. A. Smith. 2,601,565, June 24.
Door pull-to and armrest, Combination. E. G. Wettlaufer. 2,601,677, June 24.
Drain for floating roof tanks. F. D. Moyer. 2,601,316, June 24.
Drum cap and spigot valve assembly. J. R. Snyder. 2,601,339, June 24.
Dyeing cellulose acetate articles using a bath comprising a dispersed acetate dye, ethylene glycol monobutyl ether, and an emulsion of polymethyl vinyl ketone. V. S. Salvin. 2,601,460, June 24.
Edge finding indicator. T. B. Hulsaple. 2,601,437, June 24.
Ejector mechanism for automatic bar feeds. G. H. J. Baule. 2,601,494, June 24.
Electric circuit. L. Y. Lacy. 2,601,403, June 24.
Electric switch. E. N. Jacobi. 2,601,398, June 24.
Electroacoustic transducer. E. Klein. 2,601,300, June 24.
Electrohydraulic ship steering gear. H. W. Link. 2,601,405, June 24.
Electrolytic treating apparatus. L. E. Lancy. 2,601,535, June 24.
Electronic concentricity and groove parallel gauge. J. J. Neff. 2,601,447, June 24.
Electronic differential relay system. D. L. Wylie. 2,601,354, June 24.
Electronic signal seeking receiver. H. C. Goodrich, Jr. 2,601,384, June 24.
Electronic thickness gauge. H. A. Wadman. 2,601,649, June 24.
Elevator guide shoe mounting means. J. H. Cornish. 2,601,503, June 24.
Emulsions, Colored, for coloring textile fabrics. R. H. Klenke and A. L. Pelker. 2,601,661, June 24.
Engine: *See*—
Internal-combustion engine. Jet propulsion engine.
Envelope. A. I. Kegan and W. A. Neely. 2,601,530, June 24.
Eraser device, Refillable. E. H. Metcalf. 2,601,544, June 24.
Exhaust discharge for outboard motors. H. P. Henry. 2,601,396, June 24.
Expanding mandrel. H. C. Spahn. 2,601,419, June 24.
Extended door latch. H. C. Ross. 2,601,459, June 24.
Extracting aromatic oils from vanilla beans. L. Romagnan. 2,601,635, June 24.
Extractor: *See*—
Fruit juice extractor.
Fabric cover. J. F. Rohs and O. W. Davidson. 2,601,326, June 24.
Fabric cutter. V. Mittelstaedt. 2,601,414, June 24.
Facsimile machine. W. P. Asten. 2,601,236, June 24.
Fan, Self-feathering. S. D. Bell. 2,601,495, June 24.
Fastener: *See*—
Key fastener.
Feed rolls for log peeling or rossing machines, Angularly adjustable. R. J. Carpenter. 2,601,261, June 24.
Feeding apparatus. H. F. Suthers. 2,601,570, June 24.
Felt punching machine. A. L. Clements. 2,601,432, June 24.
Fertilizer dissolving and spraying device. F. L. Gatchet. 2,601,672, June 24.
Fibrous strip having absorbing sections alternating with nonabsorbing sections, and apparatus and method of producing same. H. C. Riordan. 2,601,633, June 24.
Filer, Saw. A. P. Shebel. 2,601,227, June 24.
Filling machine with rotary valve. L. McGihon. 2,601,542, June 24.
Filter: *See*—
Oil filter.
Filter. M. B. Heftler. 2,601,521, June 24.
Fireplace screen. J. H. Babros and J. Komada. 2,601,489, June 24.
Fishhook tying fixture. B. G. Fulvio. 2,601,605, June 24.
Fish skinning machine. G. E. Hube. 2,601,292, June 24.
Fishing reel. E. L. Zientowski. 2,601,582, June 24.
Flashlight attachment for guns. H. H. Jahncke. 2,601,613, June 24.
Floor truck overhead conveyer drive. J. B. Webb and E. W. McCaul. 2,601,477, June 24.
Floral display, Immersed. C. E. Bussert. 2,601,658, June 24.
Fluid actuated control valve. G. O. Kimmell. 2,601,531, June 24.
Fluid filtering and metering unit. W. Kasten. 2,601,616, June 24.

Fluid pressure regulator. H. E. Karig. 2,601,439, June 24.
Folding classification table. O. S. Allbritton. 2,601,357, June 24.
Foot support. F. F. Fisher. 2,601,509, June 24.
Force measuring device. H. G. Busignies. 2,601,259, June 24.
Forming means for profile grinding wheels. C. B. A. Porter. 2,601,456, June 24.
Forming sanitary napkin attachment loops, Method and apparatus for. G. E. Klock. 2,601,617, June 24.
Foundry machine. L. C. Young. 2,601,656, June 24.
Four-component objectives having two divergent compound meniscus components positioned between two single convergent components. G. H. Cook. 2,601,368, June 24.
Four-component optical objectives. G. H. Cook. 2,601,367, June 24.
4,4-diphenyl - 6 - dimethylamino - heptanone - 3, Preparing. W. B. Reid, Jr., and A. W. Schneider. 2,601,323, June 24.
Frequency control apparatus. E. H. Hugenholtz. 2,601,436, June 24.
Frequency converter for AM-FM receivers. B. S. Vilkomerson. 2,601,475, June 24.
Frequency discriminator. E. J. Stachura. 2,601,340, June 24.
Fruit juice extractor. A. O. Goldstein. 2,601,606, June 24.
Furfuryl alcohol resins. L. H. Brown. 2,601,497, June 24.
Furnace wall. G. P. Reintjes. 2,601,631, June 24.
Fuse system. R. B. Buchner. 2,601,429, June 24.
Gas burner system utilizing safety push button. W. A. Ray. 2,601,321, June 24.
Gas turbine motor of reduced dimensions. R. J. Imbert and M. H. L. Sédille. 2,601,612, June 24.
Gate: *See*—
Control gate.
Gate valve. G. S. Lane. 2,601,304, June 24.
Gauge: *See*—
Dial bore gauge. Electronic thickness gauge.
Electronic concentricity and groove parallel gauge.
Gauge for marking garment belts. E. A. Maxant. 2,601,621, June 24.
Gear: *See*—
Electrohydraulic ship steering gear.
Generator: *See*—
Noise generator. Tube generator.
Geophysical exploration. C. A. Helland and M. T. Murray. 2,601,522, June 24.
Glass stand. W. C. Sverkerson. 2,601,571, June 24.
Glassy molecular dehydrated phosphates. G. B. Hatch. 2,601,395, June 24.
Glove turning machine. O. C. Cripe. 2,601,504, June 24.
Grain unloader having a feed auger with an adjustable cover. E. K. Hansen. 2,601,605, June 24.
Grid gas anchor, Heated. R. L. Koch. 2,601,533, June 24.
Gun adapter. D. M. Richey. 2,601,457, June 24.
Hairpin. B. Einhorn and B. Peskin. 2,601,435, June 24.
Hammer, Soft-headed. W. K. Jahn, J. A. Carmien and J. E. Mullings. 2,601,294, June 24.
Heat resistant panel. C. B. Hemming and R. L. Overholt. 2,601,284, June 24.
Helicopter with jet-operated rotor. W. Brzozowski. 2,601,258, June 24.
Hoe, Grape. W. D. Flory. 2,601,380, June 24.
Holder: *See*—
Cutting implement holder. Tie holder.
Razor blade holder.
Hoist. H. F. H. Shields. 2,601,228, June 24.
Holster. L. J. Brice. 2,601,586, June 24.
Hose clamp. W. V. Stackhouse. 2,601,420, June 24.
Hosiery inspection and mending form. F. R. Shoaf and J. R. Livengood, Jr. 2,601,229, June 24.
Husk clearing device for corn shellers. C. M. Weinhold. 2,601,348, June 24.
Hydraulic system for supplying pressure liquid to motors of hydraulic machines. J. M. and F. H. Towler. 2,601,675, June 24.
Impact indicator for containers. J. P. Kerrigan. 2,601,440, June 24.
Hydrolysis of beta lactam linkage by penicillinase. H. Welch. 2,601,350, June 24.
Improving the adhesion of organopolysiloxanes to solid surfaces. R. Smith-Johannsen. 2,601,337, June 24.
Incinerator, Mobile. J. B. Brandt, H. J. Kelly and J. J. Burns. 2,601,657, June 24.
Indicator: *See*—
Edge finding indicator.
Ingot mold. J. A. Upper. 2,601,647, June 24.
Insect retriever. F. W. Zilinsky. 2,601,487, June 24.
Instrument, Angle measuring. A. Sulger. 2,601,643, June 24.
Instrument, Electronic musical. M. Davis. 2,601,265, June 24.
Instrument, Radiation measuring. C. O. Ballou. 2,601,583, June 24.
Instrument, Recording. J. M. Brady and W. D. Huston. 2,601,246, June 24.
Internal-combustion engine. B. W. Barlow. 2,601,584, June 24.
Ionization chamber, Pocket. J. E. Rose and E. W. Hinspater. 2,601,637, June 24.
Ironer roll cover. S. A. T. Newsom. 2,601,448, June 24.
Jet driven rotor blade structure. P. H. Stanley. 2,601,463, June 24.
Jet propulsion engine. C. J. McCormick. 2,601,311, June 24.
Jet propulsion means having vibrator therein. A. Vang. 2,601,471, June 24.
Jewelry, Article of. J. Cuccioli. 2,601,433, June 24.
Joining sleeve. J. L. Wilburn. 2,601,351, June 24.
Keyboards for dials in telegraph systems, Substituting. A. J. Bessonnet and P. C. Borel. 2,601,239, June 24.
Key fastener. L. A. Swem. 2,601,644, June 24.
Key retainer. H. R. Segal. 2,601,331, June 24.
Knife, Sliding blade. R. S. Krause and E. H. Selbert. 2,601,402, June 24.
Ladder bracket for supporting paint pails. J. Miles. 2,601,413, June 24.
Laminating articles. V. A. Navikas. 2,601,318, June 24.
Latch: *See*—
Extended door latch.
Latch and handle mechanism. H. W. Whitmore. 2,601,577, June 24.
Lawn mower sharpening machine. A. L. Weaver. 2,601,574, June 24.
Layout device. W. D. Schmidt. 2,601,330, June 24.
Lighter, Match-holding. B. W. Porter. 2,601,455, June 24.
Liquid contact apparatus with rotating disks. G. H. Reman. 2,601,674, June 24.
Liquid dispensing cabinet. L. F. Norris and D. J. W. Timmersman. 2,601,319, June 24.
Loom: *See*—
Circular loom.
Machine for doffing spinning and like machines. J. Gregory, G. A. R. Foster and H. Catling. 2,601,386, June 24.
Machine for harvesting potatoes and other root crops. T. H. Milbourn. 2,601,412, June 24.
Machine for inverting containers and directing cleaning fluid thereinto. L. T. Cookson. 2,601,263, June 24.
Machine for reshaping the flange of irregular shaped cans. J. Simpson and C. W. Thomas. 2,601,641, June 24.
Making covered wood products, Method of and apparatus for. A. R. Welch. 2,601,349, June 24.
Measuring alignment characteristics of front and rear wheels, Method of and apparatus for. T. Carrigan. 2,601,262, June 24.
Measuring apparatus. C. G. Beatty. 2,601,678, June 24.
Measuring arrangements. G. T. Baker. 2,601,491–2, June 24.
Mechanism for assembling annular members. M. C. Fisher. 2,601,603, June 24.
Medicinal preparation for dysmenorrhea. J. Henderson. 2,601,285, June 24.
Mixing apparatus. M. E. Price. 2,601,320, June 24.
Mold: *See*—
Ingot mold.
Mold alignment, Continuous. J. F. Jordan. 2,601,615, June 24.
Molded structure, Self-supporting. G. E. Gagnier. 2,601,512, June 24.
Motion-picture apparatus with pneumatic pulldown for films. F. Waller. 2,601,347, June 24.
Motor mount, Electric. R. E. Christie. 2,601,431, June 24.
Mounting: *See*—
Door mounting.
Mounting for internal-combustion engines. A. Starts. 2,601,342, June 24.
N-[2-methoxy - 3 - (α,β - dicarboxyethylmercaptomercuri)-propyl]-O-carboxymethylsalicylamide. R. S. Shelton, J. L. Farmer and C. H. Tilford. 2,601,461, June 24.
Nail beam. B. B. Brown. 2,601,363, June 24.
Needle, Hypodermic. B. J. Yanus. 2,601,580, June 24.
Nightgown. N. Grober. 2,601,278, June 24.
Nitriles and preparation of the same. G. W. Hearne and D. S. La France. 2,601,659, June 24.
Noise generator. O. H. Schmitt. 2,601,226, June 24.
Nonfreezing silica sols stabilized with organic amine compounds. S. C. Horning and C. W. Shay. 2,601,291, June 24.
Oil filter. T. S. Lasky. 2,601,404, June 24.
Oil soluble furfural-phenol resins. L. H. Brown. 2,601,498, June 24.
Oiling device. R. A. Ragusa. 2,601,557, June 24.
Oilless bearing for textile and other machines. L. M. Cotchett and R. Rulon-Miller. 2,601,371, June 24.
Olefin dichlorides in the presence of an inhibitor for substitution reactions, Preparing. R. R. Reese. 2,601,322, June 24.
Opener, Can. W. J. Landry. 2,601,303, June 24.
Opening and cleaning machine for fibrous materials. S. M. Freeman and A. Linnert. 2,601,381, June 24.
Opening and loading carton blanks on the conveyer of a packaging machine. V. G. Williams. 2,601,481, June 24.

Optical objective comprising six simple components axially aligned and air spaced apart, Corrected. G. H. Cook. 2,601,592, June 24.

Optical objective comprising six simple components axially aligned and air spaced apart, Corrected. G. H. Cook. 2,601,594, June 24.

Optical objective, Four component. G. H. Cook. 2,601,593, June 24.

Optical objective, Four component. G. H. Cook. 2,601,595, June 24.

Optical viewer for films. P. B. Loomis. 2,601,619, June 24.

Oscillator, Stabilized multivibrator. M. E. Mohr. 2,601,444, June 24.

Oscillator, Two-frequency microwave. J. I. Marcum. 2,601,539, June 24.

Packing machine, Automatic. V. V. Peone. 2,601,454, June 24.

Paint stirrer attachment for cans. W. Johnson. 2,601,438, June 24.

Parachute, Paper. L. G. L. Thilén. 2,601,343, June 24.

Partial synthesis of progesterone. F. W. Heyl and M. E. Herr. 2,601,287, June 24.

Pencil, Paper dispensing. A. H. Walter, A. N. Florence and R. H. Lendh. 2,601,650, June 24.

Pilot lamp mounting tool. S. G. Calfee. 2,601,260, June 24.

Pipe: *See*—
Smoking pipe.

Pipe-cleaning device. L. H. Johnson. 2,601,614, June 24.

Pipe line cleaner and locator. I. R. Brenholdt. 2,601,248, June 24.

Pipe line scraper and location transmitter. I. B. Brenholdt. 2,601,249, June 24.

Pipe line tapping machine. V. L. Du Bois. 2,601,434, June 24.

Piston. A. Townhill. 2,601,344, June 24.

Plow attachment for tractors, Two-way. O. S. Harbison and G. L. Paine. 2,601,609, June 24.

Plow, Automatic aligning and leveling two-way. J. E. Johnson. 2,601,296, June 24.

Pneumatic suspension device for vehicles. R. Gouirand. 2,601,515, June 24.

Pneumatically operated diaphragm motor. D. J. Gaffney. 2,601,511, June 24.

Polarization corrector. G. Valensi. 2,601,346, June 24.

Polishing apparatus. F. J. Zeller. 2,601,581, June 24.

Polishing composition, Dentifrice. R. N. Bell. 2,601,238, June 24.

Polyesters of dicarboxyphenylidimethylsilane. L. J. Tyler. 2,601,646, June 24.

Polymeric compositions. H. A. Bruson. 2,601,252, June 24.

Polymeric compositions and shaping same. H. A. Bruson. 2,601,253, June 24.

Polymeric compositions and shaping same. H. A. Bruson and T. W. Riener. 2,601,254, June 24.

Polymerizable compositions, including 4-allyloxymethyl-1,3-dioxolane and polymerization products thereof. W. M. Thomas and E. L. Kropa. 2,601,572, June 24.

Polymerization initiation systems comprising a hydrazone, a peroxy compound, and cupric ion. E. G. Howard, Jr. 2,601,293, June 24.

Polyvinyl acetate emulsion paints, Manufacture of. G. O. Morrison and D. Schoenholz. 2,601,315, June 24.

Portland cement, Mucic acid retarded. O. J. Glantz and E. T. Oborn. 2,601,274, June 24.

Power transmission. E. R. Price. 2,601,628, June 24.

Power transmitting mechanism. B. W. Keese. 2,601,297, June 24.

Preloading of bogies for motor cranes and the like. R. H. Zeilman and M. L. Sheetz. 2,601,486, June 24.

Preparing grass seed for planting, Method and apparatus for. P. F. Marshall. 2,601,620, June 24.

Press: *See*—
Steeping press.

Pressure cooker, Agitating. W. M. Tomkins and C. E. Magnus. 2,601,645, June 24.

Pressure roller for drawing devices. A. Nau-Touron. 2,601,550, June 24.

Primary alkaline cell. G. B. Ellis. 2,601,267, June 24.

Priming apparatus for internal-combustion engines. K. P. Schoeppner and C. F. Zaltz. 2,601,562, June 24.

Probability and proportioning switch. D. E. Hooker. 2,601,524, June 24.

Producing an improved synthetic rubber from a multi-component monomeric material. W. B. Reynolds and C. F. Fryling. 2,601,632, June 24.

Producing consolidated insulation on high-voltage coils. J. C. Botts and H. M. Philofsky. 2,601,243, June 24.

Propellant injection system for rocket motors. F. B. Halford, A. V. Cleaver, and E. B. Dove. 2,601,607, June 24.

Protective device. H. P. Baumann. 2,601,426, June 24.

Pump for engines, Lubricating. M. F. Hill. 2,601,288, June 24.

Pump or motor, Rotary. A. White. 2,601,670, June 24.

Push on-push off single button switch. E. A. Miller. 2,601,545, June 24.

Quick-acting diaphragm operated gate valve. E. G. Smith and O. M. Cocchiarella. 2,601,231, June 24.

Rack or the like, Carpet. C. C. Riemenschneider. 2,601,560, June 24.

Radiant gas burner. W. Kennedy. 2,601,299, June 24.

Radio aerial installation. J. F. Hatch and J. W. Brittain. 2,601,610, June 24.

Radio-receiving set, Superheterodyne. A. Van Weel. 2,601,472, June 24.

Razor blade holder. G. Guarino. 2,601,388, June 24.

Razor blade injector and disposal device. J. C. Fennelly. 2,601,601, June 24.

Recessing tool. F. A. Maxwell. 2,601,541, June 24.

Record changer. V. G. Klein and C. H. Mueller. 2,601,301, June 24.

Recording system. J. M. Brady. 2,601,247, June 24.

Recovering liquefiable hydrocarbons from gases. P. H. Deming. 2,601,599, June 24.

Recovery of glycerides from tank settlings. M. M. Durkee. 2,601,375, June 24.

Rectifier assembly of the dry disk type. R. H. Blair. 2,601,240, June 24.

Reel: *See*—
Fishing reel.

Refrigerator and walk-in storage compartment, Combination. R. W. Rivette. 2,601,634, June 24.

Refrigerator cabinet. E. H. Boddy. 2,601,241, June 24.

Regulating the size and form of solder pellets, Method and apparatus for. W. C. Stammer and C. R. Breden. 2,601,642, June 24.

Regulator: *See*—
Fluid pressure regulator.

Reiterating system. M. G. Hollabaugh. 2,601,289, June 24.

Relief valve. M. F. Selwyn. 2,601,563, June 24.

Resin-impregnated leather board. L. H. Wilson, C. G. Landes, and C. S. Maxwell. 2,601,671, June 24.

Restraining device for cattle. C. L. Norton. 2,601,623, June 24.

Restricting valve. E. T. Morton and G. R. Heidenblut. 2,601,549, June 24.

Reversible wheel chair. H. A. Everest and H. C. Jennings. 2,601,379, June 24.

Road machine. G. P. Green. 2,601,277, June 24.

Rod guide, Sucker. C. T. Weir. 2,601,478, June 24.

Rod weeder, Rotary. H. K. Wolfe. 2,601,653, June 24.

Rotary coaxial switch. C. W. Creaser, Jr. 2,601,372, June 24.

Rotary fluid displacement device. M. F. Hill and F. A. Hill, 2nd. 2,601,397, June 24.

Rough rounding and channeling machine. H. E. Elliott, H. J. George, and A. A. Rivington. 2,601,268, June 24.

Safety mechanism for doors. W. H. Bruns and S. Davis. 2,601,250, June 24.

Saw control, Power. W. F. and D. H. Wells. 2,601,576, June 24.

Screw stud. H. C. Graham. 2,601,385, June 24.

Segregating adjoining printed impressions. R. R. Richter. 2,601,325, June 24.

Selective remote control system. J. H. Hammond, Jr. 2,601,393, June 24.

Self-leveling dispenser. T. Jensen. 2,601,295, June 24.

Self-locking connecting means. J. Wandy. 2,601,651, June 24.

Self-operating evaporative cooler. W. C. De Witt. 2,601,600, June 24.

Shelling nuts. O. Thaning. 2,601,421, June 24.

Ship's funnel with means for raising funnel gases. J. Lamb. 2,601,663, June 24.

Shortstopping the addition polymerization of unsaturated organic compounds. F. M. McMillan and E. T. Bishop. 2,601,673, June 24.

Signal for vehicles, Directional. L. Burmeister and H. S. Hollnagel. 2,601,587, June 24.

Signaling device, Underwater. C. F. Bowersett. 2,601,245, June 24.

Silica sols and making same. F. J. Wolter. 2,601,352, June 24.

Silicon carbide circuit elements, Making. H. F. Dienel and G. K. Teal. 2,601,373, June 24.

Smoking pipe. F. Myers. 2,601,446, June 24.

Snap switch. R. E. Prouty. 2,601,556, June 24.

Soil penetrating roller. B. D. Colombo. 2,601,591, June 24.

Soil tilling implement. H. D. Simmons. 2,601,640, June 24.

Spatula, Automatic. R. S. Blackshear. 2,601,360, June 24.

Spool construction. W. Z. Jarmicki. 2,601,660, June 24.

Sprinkler, Lawn. E. O. Young. 2,601,655, June 24.

Sprinkler, Pattern. R. N. Riblet. 2,601,559, June 24.

Stabilized barium and strontium lithol toners. V. Tullsen. 2,601,668–9, June 24.

Stabilizing calcium lithol toners. V. Tullsen and F. L. Pfeiffer. 2,601,468, June 24.

Stabilizing calcium lithol toners. V. Tullsen and F. L. Pfeiffer. 2,601,469, June 24.

Stand: *See*—
Glass stand.

Steeping press. G. Joris. 2,601,400, June 24.

Steering mechanism, Trailer. L. B. Howard. 2,601,526, June 24.

Stocking and making the same. F. R. Page. 2,601,451, June 24.

Stoker control system. A. L. Judson. 2,601,529, June 24.

Storing volatile liquids. C. J. Merriam. 2,601,313, June 24.

Stove, Coal. J. C. Miles. 2,601,314, June 24.

Stretcher and cot, Combination. C. C. Carpenter. 2,601,365, June 24.

Structure and internal shielding of electron tubes. H. K. Ishler. 2,601,528, June 24.

Supervisory device both for comparatively small and comparatively large voltage variations. C. L. van Weynsbergen. 2,601,473, June 24.

Support: *See*—
Foot support.

Surgical tissue collector device. S. A. Gladstone. 2,601,513, June 24.

Surprise display. G. E. Ditzler and M. B. Kovnat. 2,601,374, June 24.

Suspension system for vehicles. M. Navarro, E. J. and A. E. Llovet. 2,601,551, June 24.

Sutering device. D. P. Smith. 2,601,564, June 24.

Switch: *See*—
Electric switch.
Probability and proportioning switch.
Push on-push off single button switch.
Rotary coaxial switch.
Snap switch.

Synchronous motor. F. J. Hammes. 2,601,517, June 24.

Synthetic drying oils from polyvinyl alcohol and production. G. L. Schertz. 2,601,561, June 24.

System for designing mechanical structures. E. G. Fubini. 2,601,382, June 24.

System for eliminating static interference. J. Frye. 2,601,510, June 24.

Table: *See*—
Folding classification table.

Tank: *See*—
Bullet-proof fuel tank.

Tank for liquids, Storage. E. S. Fraser and C. M. Orr. 2,601,270, June 24.

Tape-dispensing and severing device. O. P. Erhardt. 2,601,506, June 24.

Target device, Pivoted. V. Niewinski. 2,601,552, June 24.

Teeth cleaning unit. M. Boulicault. 2,601,244, June 24.

Television, Color. A. H. Rosenthal. 2,601,328, June 24.

Television synchronizing system, Color. R. O. Gray. 2,601,516, June 24.

Tension control system. W. T. Hunt, Jr. 2,601,527, June 24.

Tetrafluoroethylene from a salt of trifluoroacetic acid, Production of. J. D. La Zerte. 2,601,536, June 24.

Thermosetting resins and preparing same. G. E. Niles. 2,601,665, June 24.

Thermosetting resins from urea, an aldehyde and aminoaliphatic carboxyl compounds and derivatives thereof, Preparing. G. E. Niles. 2,601,666, June 24.

Thermostatic control device, Reversible. D. H. Ellis. 2,601,377, June 24.

Thiophene and halothiophenecarboxaldehydes. A. W. Weston. 2,601,479, June 24.

Three-component optical objectives. G. H. Cook. 2,601,369, June 24.

Ticket issuing machine. R. H. Heisel. 2,601,283, June 24.

Tie holder. C. C. Baker. 2,601,424, June 24.

Time control system and apparatus. R. L. Daugherty. 2,601,264, June 24.

Tire, Implement. W. H. Tanke. 2,601,464, June 24.

Tool: *See*—
Pilot lamp mounting tool.
Recessing tool.

Tool for elastic bands, Expander. R. M. Minock. 2,601,547, June 24.

Tool for socket head fasteners, Driving. H. F. Phipard, Jr. 2,601,453, June 24.

Toothbrush, Manually driven. L. J. Steinberg. 2,601,567, June 24.

Torch cutting apparatus for surfacing weld metal. H. S. George. 2,601,383, June 24.

Toy gun, Repeating. J. K. Pope. 2,601,555, June 24.

Tracer-guided reproducing machine. M. Turchan. 2,601,345, June 24.

Tractor rear axle for crop clearance. W. H. Nordenson. 2,601,553, June 24.

Transducer circuit with oscillator, Bridge-type. J. J. Z. van Zelst. 2,601,474, June 24.

Transfer molding press. T. F. Stacy. 2,601,341, June 24.

Transmission operating mechanism. H. W. Price. 2,601,629, June 24.

Transmitter, Subscription type television. A. Eliett. 2,601,505, June 24.

Triode mixer construction. A. J. Torre. 2,601,467, June 24.

Tube: *See*—
Cathode-ray storage tube.

Tube generator. H. H. S. à Steringa Idzerda. 2,601,416, June 24.

Tube heater with flue gas recirculation and heating method. K. Permann. 2,601,667, June 24.

Two-step digestion of wood with aliphatic acid. M. E. Martin and D. L. Sherk. 2,601,408, June 24.

Two-way wire telephone repeater circuit. M. A. Lalande. 2,601,302, June 24.

Ultrahigh-frequency structure. T. Murakami. 2,601,445, June 24.

Undergarment for men. J. A. Firsching, Sr. 2,601,602, June 24.

Unloading assembly for wagon boxes. O. L. Kringle. 2,601,618, June 24.

Vacuum flask, Jacketed. E. Venis. 2,601,573, June 24.

Valve: *See*—
Control valve.
Curie paint valve.
Filling machine with rotary valve.
Fluid actuated control valve.
Gate valve.
Quick-acting diaphragm operated gate valve.
Relief valve.
Restricting valve.

Valve construction. R. M. Witt. 2,601,578, June 24.

Valve operating mechanism. C. L. Shobe. 2,601,230, June 24.

Vapor vent for floating roof tanks. F. D. Moyer. 2,601,317, June 24.

Variable parallel resonant circuit. C. L. Snyder. 2,601,338, June 24.

Variable speed rotary hydraulic coupling. P. S. Monroe. 2,601,548, June 24.

Vegetable and fruit washer. A. B. McLauchlan. 2,601,411, June 24.

Vehicle assigning, detecting, and dispatching systems. B. Cooper and S. A. Kroll. 2,601,370, June 24.

Venetian blind operating mechanism. F. J. Burns. 2,601,500, June 24.

Ventilator. E. J. Allman and E. Yould. 2,601,423, June 24.

Vertical sweep synchronizing circuit. B. M. Oliver. 2,601,415, June 24.

Washer: *See*—
Vegetable and fruit washer.

Wave length modulator. E. G. Beard. 2,601,427, June 24.

Weighing apparatus. A. van Duyn. 2,601,648, June 24.

Wheel cover. G. A. Lyon. 2,601,309, June 24.

Wheel dressing mechanism. C. W. Hopkins and R. I. Eyler. 2,601,290, June 24.

Wheel power take-off, Automobile drive. T. J. Tudor. 2,601,234, June 24.

Window. A. Weatherstone. 2,601,476, June 24.

Windshield wiper arm. F. A. Krohm. 2,601,662, June 24.

Wire connector. H. L. Gordon. 2,601,276, June 24.

CLASSIFICATION OF PATENTS

ISSUED JUNE 24, 1952

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Condition of Applications Under Examination at Close of Business June 5, 1952

Total number of patent applications awaiting action, 97,120. Date of oldest new application, August 25, 1951; date of oldest amended application, August 25, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*(C. E. D.) HERTZ, M.			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	10-2-51	10-1-51	1986
2. HERRMAN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	11-13-51	11-7-51	1093
3. WINDHAM, R. K. (Acting), Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	11-9-51	11-13-51	1547
4. FALLER, E. A., Hoist; Power Driven Conveyors; Handling Apparatus	9-12-51	9-8-51	1508
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	10-11-51	10-11-51	1204
6. BURLE, H., Carbon Chemistry (part)	10-10-51	9-27-51	1826
7. ANDERSON, E. G. (Acting), Optics; Photography (part)	10-18-51	10-22-51	1216
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	9-24-51	9-20-51	1499
9. BRANSON, J. H., Pumps and Fans; Fluid Motors	9-21-51	9-19-51	1357
10. NEFF, P. R. (Acting), Baggage; Cloth, Leather and Rubber Receptacles; Bottles and Jars; Paper Receptacles.	9-21-51	9-21-51	1344
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	10-4-51	10-2-51	882
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	9-21-51	9-10-51	1226
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working (part—e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	10-2-51	9-19-51	1052
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working (part—e. g., Sheet-Metal, Wire; Bending, Misc. Processes; Assembly and Dissassembly Apparatus).	9-13-51	9-10-51	1588
15. STEPHENSON, W. J. (Acting), Plastics; Plastic Block and Earthenware Apparatus; Glass	11-26-51	11-28-51	1148
16. LOVEWELL, N. N., Television, Telephony	9-25-51	9-27-51	1247
17. LEIGHEY, R. A., Paper Manufactures; Packaging; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	9-12-51	9-11-51	1652
18. KURZ, J. A., Power Plants; Speed Responsive Devices	9-4-51	8-30-51	1101
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-21-51	9-19-51	1096
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes	9-18-51	9-21-51	1346
21. MADER, R. C., Textiles	9-18-51	9-12-51	1322
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	9-17-51	9-17-51	1051
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	9-29-51	9-29-51	796
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	10-10-51	10-1-51	1383
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	9-21-51	9-10-51	1140
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	9-7-51	9-10-51	1263
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	9-17-51	9-17-51	1575
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	9-15-51	9-10-51	1204
29. HABECKER, L. B., Button Making; Woodworking; Tools	10-8-51	10-4-51	1003
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	10-23-51	10-22-51	1437
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons).	9-15-51	9-20-51	2049
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-20-51	9-27-51	1056
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	9-18-51	9-19-51	1859
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	9-10-51	9-7-51	1300
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	9-22-51	9-19-51	1346
36. McFADYEN, A. D., Measuring and Testing	9-17-51	9-17-51	1164
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	10-22-51	10-3-51	1322
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	9-13-51	9-10-51	1453
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	8-25-51	8-25-51	2564
40. DRUMMOND, E. J., Receptacles (part); Packages	10-15-51	10-4-51	1320
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	9-18-51	9-17-51	1033
42. MARANS, H., Electric Signaling (part, Except Submarine, Altimeters, Distance or Direction Measuring, and Object Detection); Signals; Telegraph (part); Signals and Indicators.	10-8-51	9-28-51	1069

*Commissioner's Examiners' Division.

Total number of patent applications awaiting action, 97,120. Date of oldest new application, August 25, 1951; date of oldest amended application, August 25, 1951.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	10–15–51	10–1–51	1225
44. HARVEY, L. P., Beds; Chairs, Seats	9–10–51	9–13–51	1305
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	9–27–51	10–1–51	1249
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	9–24–51	9–19–51	893
47. KANOF, W. J., Mining, Quarrying and Ice Harvesting; Motor Vehicles; Land Vehicles (part)	10–1–51	9–11–51	1551
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	9–14–51	9–12–51	1613
49. BENDETT, B., Drying and Gas or Vapor Contact With Solids; Ventilation; Wells; Earth Boring	9–10–51	9–7–51	1330
50. BENGEL, W. G., Synthetic Resins	11–13–51	11–14–51	1537
51. YAFFEE, S., Radiant Energy (part e. g., Radio Signaling); Radiant Energy Communications (part e. g., Duplex, Multiplex, Device Control); Modulators; Music; Piezoelectric Crystals.	9–24–51	9–27–51	1327
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	10–5–51	10–3–51	1987
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	10–12–51	10–9–51	966
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	9–8–51	9–12–51	1578
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	9–22–51	10–1–51	1057
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	10–2–51	10–1–51	1825
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	9–29–51	9–27–51	1605
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working; Abrading Processes and Apparatus; Food Apparatus; Closure Operators.	9–18–51	9–10–51	740
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	10–6–51	10–4–51	1040
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9–28–51	9–18–51	990
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	9–12–51	9–14–51	1255
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	10–29–51	10–15–51	1316
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	9–27–51	9–12–51	1506
64. GORECKI, G. A., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	10–9–51	10–8–51	1901
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators, and Connectors; Illumination	9–18–51	9–17–51	1471
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	9–5–51	9–10–51	996
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	10–12–51	10–8–51	1235
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	10–8–51	9–28–51	1506
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	9–12–51	9–13–51	1275
70. BREWRINK, J. L., Guns and Torpedoes, Explosive Charge Making; Electrical Oscillators and Directional and Distance Instruments, Radar; Actinide Compounds, Explosive Compositions, Mass Spectrometers.	9–4–51	8–30–51	2947
DESIGNS: A. BREHM, O. L., Industrial Arts	3–4–52	3–11–52	495
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	2–18–52	2–15–52	772

Total number of trade-mark applications awaiting action (including renewals and republications), 14,354. Date of oldest new application, Dec. 9, 1951; date of oldest amended application, Dec. 9, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS, AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	12–9–51	12–9–51	3663
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	12–18–51	12–18–51	3400
Renewals (All Classes)	4–5–52	5–3–52	679
Republications (All Classes)	3–28–52	5–3–52	217
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	12–18–51	12–15–51	3277
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	12–19–51	12–13–51	3118

DECISIONS IN PATENT AND TRADE-MARK CASES

United States Court of Appeals District of Columbia Circuit

KIMBERLY-CLARK CORPORATION

v.

MARZALL, COMMISSIONER OF PATENTS

Appeal Nos. 10932 and 10933. Decided May 1, 1952

[— F.2d —; 93 USPQ 191]

1. TRADE-MARKS — REGISTRABILITY — COMBINATION OF TWO SURNAMES NOT REGISTRABLE.

Where the applicant seeks registration of a trade-mark which consists of two surnames, "Kimberly Clark," neither of which alone is registrable under the act, *Held* that the doctrine of *In re Meyers Brothers Coffee and Spice Co.*, 32 App. D. C. 277, 140 O. G. 756, and *In re Midy Laboratories, Inc.*, 26 CCPA 1294, 508 O. G. 578, is applicable, the appellant not being entitled, either under the Trade-Mark Act of 1905 or the Trade-Mark Act of 1946, to the registration of a combination of words which are non-registrable separately.

AFFIRMED.

APPEALS from the United States District Court for the District of Columbia.

C. Willard Hayes (*Cyril A. Soans* of counsel) for appellant.

E. L. Reynolds for appellee.

Before WILBUR K. MILLER, BAZELON, and WASHINGTON, *Circuit Judges*

WILBUR K. MILLER, *Circuit Judge*:

Each of these appeals presents the question whether a combination of two surnames is registrable as a trade-mark. The principal difference between the two cases is that one was brought under the act of February 20, 1905, as amended, 15 U. S. C. §§ 81 et seq., and the other under the act of July 5, 1946, 15 U. S. C. §§ 1051 et seq.

No. 10,932

Kimberly-Clark Corporation, a manufacturer of paper and paper products, applied under the act of 1905 for registration of a trade-mark consisting of the words "A Product of Kimberly Clark Research," within a scroll border design. The application contained the following disclaimer:

"Without waiver of common law rights, or rights under other statutes, applicant disclaims exclusive use, apart from the trade-mark herein shown, of the words 'A Product of,' or the word 'Research,' or the separate use of the surname 'Kimberly,' or the separate use of the surname 'Clark.'"

Finding that the words "Kimberly Clark," which dominate the mark by appearing in larger letters than do the other words, are merely names of individuals, that the words "A Product of . . . Research" are descriptive, and that there is no distinctive display, the Patent Office refused registration, relying on that part of § 5 of the act, 15 U. S. C. § 85(b), which provides:

". . . That no mark which consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed, or woven in some particular or distinctive manner, or in association with a portrait of the individual, or merely in words or devices which are descriptive of the goods with which they are used, or of the character or quality of such goods, or merely a geographical name or term, shall be registered under the terms of this subdivision of this chapter: . . ."

Kimberly-Clark Corporation's complaint under R. S. § 4915 seeking authorization of registration was dismissed by the United States District Court for the District of Columbia, and this appeal followed.

In *In re Meyers Brothers Coffee & Spice Company*, 32 App. D. C. 277 (1908), this court refused to authorize registration of "America's Strength" as a trade-mark for coffee because neither word was registrable alone—one being geographical and the other descriptive. The Court of Customs and Patent Appeals has held unregistrable the trade-mark "Piperazine-Midy" on the ground that "Piperazine" was descriptive of the goods and "Midy" was a surname.[1]

It is therefore established that a registrable trade-mark cannot be formed by combining a geographical name, or the name of an individual, with a descriptive word. Such combination is unregistrable because each of its constituent parts is unregistrable. The appellant says this principle does not apply to a mark formed by combining the names of two individuals. Such a mark must be considered as a whole, it argues, and cannot be dissected into its elements for the purpose of rejecting each element separately. *Beckwith* v. *Commissioner of Patents*, 252 U. S. 538 (1920), 274 O. G. 613, is cited as supporting that proposition. The mark involved there was clearly registrable except for the presence of certain descriptive words. The question was whether those words must be stricken from the mark before it could be registered, or whether a mere disclaimer would permit registration. The holding of the *Beckwith* case was that a trade-mark, otherwise registrable, is not unregistrable because it contains descriptive words, if the applicant dis-

[1] *In re Midy Laboratories, Inc.*, 104 F.2d 617 (1939), 508 O. G. 578.

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claims the right to the exclusive use of those words apart from the setting and relation in which they appear in his mark. That case is not authority for the proposition that a registrable mark may be formed by combining two words which are singly unregistrable.

The Court of Customs and Patent Appeals described the *Midy Laboratories* case as a "novel situation where a party seeks registration of a mark consisting of two words connected by a hyphen, neither of which is registrable standing alone and both of which were disclaimed." The situation here is exactly the same except that the two words are not connected by a hyphen. In the course of the opinion affirming the Commissioner's refusal to register the mark "Piperazine-Midy," the Court of Customs and Patent Appeals said:

"Obviously, the granting of applicant's application in this case would result in registering, when combined, words non-registrable separately. The combination of the words in no way changes their significance in any trade-mark sense. Each continues to have the same meaning that it would have as a separate word."

Appellant's theory seems to be that, in combination, the words "Kimberly" and "Clark" somehow lose their significance as surnames, with the result that "Kimberly Clark" is merely fanciful. It is not the name of any individual living or dead, says the appellant. With equal or greater assurance it might be said that "Piperazine-Midy" is not the name of any person. Nevertheless, the Court of Customs and Patent Appeals recognized the descriptive word "Piperazine" and the surname "Midy" in the mark. Neither had lost its identity as an unregistrable word by being used in hyphenated combination.

The appellant cites no judicial authorities in support of its proposition that a registrable mark can be formed by combining two surnames which are separately unregistrable, and we have found no such authority. It is pointed out that many years ago the Commissioner of Patents permitted registration of the trade-marks "Crew-Levick" and "Penn-Allen."[1] These rulings were prior to the decision in the *Midy Laboratories* case. It is noteworthy that, after that opinion came down, the Commissioner of Patents followed it in refusing to register "Bendix-Weiss," a mark formed by combining the names of two individuals.

The appellant regards the *Midy Laboratories* case as "logical and sound." It finds the rationale of the decision to be that the descriptive word "Piperazine" was mere surplusage and the essential question was whether the surname "Midy," standing alone, was registrable. Then, to distinguish that case from this, the appellant says, "The *Midy* case did not involve a mark formed by combining two surnames." That fact does not seem to us to be a distinguishing difference. "Piperazine" was surplusage not merely because it was descriptive but because, being descriptive, it was separately unregistrable. By the same token the separately unregistrable surname "Midy" was also mere surplusage, so the mark disappeared so far as the possibility of registration was concerned.

The principle of the *Meyers Brothers* and *Midy Laboratories* cases is applicable here. We affirm the judgment of the District Court.

No. 10,933

The Kimberly-Clark Corporation also filed applications for registration of the trade-mark "Kimberly-Clark" (this time with a hyphen) on the Principal Register under the act of July 5, 1946, 15 U. S. C. §§ 1051 et seq.[2]

As the applications showed the mark had been used by the appellant for many years and had come to designate its goods and no others and so had acquired a secondary significance, the Commissioner offered to grant registration on the Supplemental Register under § 2(f) of the act of 1946, 15 U. S. C. § 1052(f), which is as follows:

"(f) Except as expressly excluded in subsections (a), (b), (c) and (d) of this section [inapplicable here], nothing in this chapter shall prevent the registration of a mark used by the applicant which has become distinctive of the applicant's goods in commerce. The Commissioner may accept as prima facie evidence that the mark has become distinctive, as applied to the applicant's goods in commerce, proof of substantially exclusive and continuous use thereof as a mark by the applicant in commerce for the five years next preceding the date of the filing of the application for its registration."

Kimberly-Clark Corporation rejected the Commissioner's offer and made it clear by amended applications that it desired nothing less than entry on the Principal Register. The applications did not disclaim the separate use of the words "Kimberly" and "Clark" but appellant expressed in its brief a willingness to make that disclaimer and said it did not seek the right to the exclusive use of either word. Moreover, § 6 of the act, 15 U. S. C. § 1056, directs the Commissioner to require unregistrable matter to be disclaimed.

The Commissioner held the combination of two surnames unregistrable on the Principal Register because § 2 of the act, 15 U. S. C. § 1052, provides:

"No trade-mark . . . shall be refused registration on the Principal Register on account of its nature unless it— . . . (e) Consists of a mark which, . . . (3) is primarily merely a surname."

This appeal is from the District Court's dismissal of the complaint filed by Kimberly-Clark Corporation under R. S. § 4915 for authorization of registration on the Principal Register.

Substantially the same arguments are presented for reversal here as were made in No. 10,932. For the reasons given in our discussion of that appeal we affirm the judgment of the District Court.

Cases Nos. 10,932 and 10,933 affirmed.

AFFIRMED.

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[1] *Ex parte Crew-Levick Co.*, 123 MS. Dec. 4, 7 T. M. Rep. 397; *Ex parte Pennsylvania Dixie Cement Corp.*, 2 USPQ 146, 156 MS. Dec. 86.

[2] This comprehensive trade-mark legislation, which became effective one year after its passage, requires the Patent Office to keep a Principal Register of trade-marks and prescribes the conditions under which a mark may be registered thereon. 15 U. S. C. §§ 1051 and 1052. A Supplemental Register is provided for marks which have acquired secondary significance but are not registrable on the Principal Register. 15 U. S. C. §§ 1052(f), 1091 et seq.

The 1946 act [§§ 46(a) and 47(a)] repealed the act of 1905 but left it in effect to the extent that registration thereunder might be granted on applications therefor filed before the effective date of the new statute.

Commissioner's Decision

IN RE INCOMPLETE APPLICATION

Decided June 4, 1952

The requirement of the Patent Office Rules of Practice that the specification of an application must be in the English language is not satisfied by the filing of a signed specification in a foreign language together with a sworn translation thereof.

ON PETITION.

MARZALL, *Commissioner*.

The attorney's letter of May 21, 1952, requesting that the above-entitled papers be given a filing date as a complete application is considered as a petition. The papers comprise a specification in German, to which is attached a single signature form of oath, petition and power of attorney, and a sworn translation of the specification into English.

Rule 52 of the Patent Office Rules of Practice requires that "The petition, specification and oath must be in the English language," while Rule 57 requires that "The petition, the specification and claim, and the oath must be signed by the applicant in person." In accordance with those requirements, the specification which is signed must be in English, and the signing of a specification in German does not comply with the rules, even though a sworn translation is submitted.

It follows that the papers here under consideration do not constitute a formal application, and the petition is accordingly denied.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

2,057,295, W. H. Engel, Bag machine, D. C. Minn. (Minneapolis), Doc. 3635, *Shellmar Products Corp.* v. *Bemis Bro. Bag Co.* Stipulation and order of dismissal May 5, 1952.

2,128,827, F. L. Killian, Method and apparatus for manufacturing thin rubber articles, D. C. N. J. (Newark), Doc. 11326, *Frank B. Killian & Co.* v. *Roger Rubber Products, Inc.* Judgment favor defendant May 13, 1952.

2,146,807, L. J. Ferari, Excavator and loader, D. C., N. D. Ill. (Chicago), Doc. 50c788, *L. V. Ferari* v. *The Frank C. Hough Co.* Cause dismissed with prejudice May 2, 1952.

2,199,427, J. M. Dohen, Head dress, filed May 7, 1952, D. C., S. D. N. Y., Doc. 75/254, *Scarves By Vera, Inc.* v. *Glenader Textile Corp. et al.*

2,279,125, L. Mintzes, Garment, filed May 6, 1952, D. C., S. D. N. Y., Doc. 75/238, *Tom Broderick Co.* v. *Ramsey Sportswear Co., Inc.*

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, filed Jan. 16, 1952, D. C., N. D. Tex. (Dallas), Doc. 4518, *Greenbrier Co.* v. *Ablon Poultry & Egg Co.*

2,317,675, A. R. De Burgh, Conveyer system, filed May 7, 1952, D. C., S. D. Calif. (Los Angeles), Doc. 14094–C, *A. R. De Burgh* v. *Dimension Mill & Cabinet Co.*

2,332,182, D. E. Stearns, Insulation testing device, D. C. Mo. (Kansas City), Doc. 6673, *The D. E. Stearns Co.* v. *Mechanical Electrical Development Co.* Injunction granted May 12, 1952.

2,345,849, Winslow & Moore, Lubricant purifiers, D. C., S. D. Calif. (Los Angeles), Doc. 9400–HW, *Winslow Engineering Co.* v. *Rol-pak Co.* Claims 1, 2, and 3 held invalid; complaint dismissed (notice May 6, 1952).

2,349,450, G. H. Meinzer, Apparatus for dynamic balancing, filed May 1, 1952, D. C., N. D. Calif. (San Francisco), Doc. 31510, *G. H. Meinzer et al.* v. *Food Machinery & Chemical Corp.*

2,354,462, C. A. Johnson, Ice hoisting apparatus, filed May 5, 1952, D. C., W. D. Tex. (Austin), Doc. 633, *C. A. Johnson* v. *Central Power & Light Co. et al.*

2,409,425, D. R. Falkenberg, Drapery mounting, D. C., N. D. Ill. (Chicago), Doc. 50c459, *D. R. Falkenberg* v. *Plastic-Glo Mfg. Co.* Judgment on mandate, judgment of June 21, 1951, vacated and cause dismissed for want of equity (notice May 7, 1952).

2,475,277, F. O. Budnik, Plastic bag having fused seams between wall-forming strips and slide-fastener tapes, D. C., N. D. Ill. (Chicago), Doc. 51c1900, *Plastic Welding & Sales Co.* v. *Mages Sport Store.* On stipulation, cause dismissed with prejudice Apr. 29, 1952. Doc. 51c1901, *Plastic Welding & Sales Co.* v. *Sears, Roebuck & Co.* Decree as above.

2,497,716, Bloch & Bloch, Loop pile carpet fabric, D. C., N. D. Ill. (Chicago), Doc. 51c1056, *Duraloom Carpet Mills, Inc., et al.* v. *Trend Floorcoverings, Inc., et al.* Consent decree holding patent valid and infringed, injunction Dec. 21, 1951.

2,512,480, R. Calmy, Fire screen, D. C., S. D. Calif. (Los Angeles), Doc. 12204–Y, *R. Calmy* v. *Sunset Fireplace Co. et al.* Consent judgment holding patent valid and infringed (notice May 8, 1952). Doc. 13156–HW, *R. Calmy* v. *R. C. Bott et al.* Decree as above.

2,512,517, R. A. Bruce, Wire container having a wire stacking ring, filed Oct. 9, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1577, *Barker Equipment Co., Inc.* v. *Continental Wire Specialties Co., Inc.*

2,515,898, H. W. Rhodehamel, Procaine penicillin and therapeutic compositions, filed Nov. 14, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1832, *Eli Lilly & Co.* v. *J. T. Baker Chemical Co.*

2,516,196, R. Fowler, Adjustable overhead door hinge, D. C., S. D. Calif. (Los Angeles), Doc. 13002–HW, *Roscoe Fowler* v. *Vimcar Sales Co. et al.* Complaint dismissed on merits (notice May 6, 1952).

2,519,121, S. M. Del Camp, Electrical socket and contacts therefor, filed Oct. 19, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1668, *Cinch Mfg. Corp.* v. *General Laminated Products, Inc.*

2,520,730, C. S. Krone, Illuminated vehicle ornament, D. C., N. D. Ill. (Chicago), Doc. 51c634, *C. S. Krone* v. *Gem Mfg. Co.* Order by stipulation, cause dismissed Sept. 19, 1951.

2,541,637, Christopher & Spear, Method of vaporizing lindane in ventilated rooms, D. C., N. D. Tex. (Dallas), Doc. 4452, *American Aerovap, Inc.* v. *Kem Air Products et al.* Judgment, patent held valid and infringed, injunction Mar. 18, 1952.

2,553,301, H. M. Colby, Girdle, D. C., N. D. Ill. (Chicago), Doc. 51c944, *Kabo, Inc.* v. *The Fair.* Consent judgment holding patent valid and infringed, injunction Aug. 3, 1951. Same, filed Oct. 26, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1716, *Kabo, Inc.* v. *The Fair.* Same, filed Nov. 27, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1907, *Bestform Foundations, Inc.* v. *Kabo, Inc.*

2,557,819, Fischer & Merwitz, Woven fabric, D. C., N. D. Ill. (Chicago), Doc. 51c1281, *Chicago Weaving Corp.* v. *Geneva Weaving Co.* Cause dismissed as to F. Erlich and S. Goldwater, patent held valid and infringed Sept. 14, 1951.

2,562,627, J. G. Kay, Adjustable inking device, filed Aug. 22, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1337, *Kiwi Coders Corp. et al.* v. *Acro Tool & Die Works et al.*

2,564,977, Quang Hai Hu, Medical injecting apparatus, filed Oct. 11, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1598, *Rutland Plastics, Inc.* v. *States Development & Mfg. Co. et al.*

2,574,701, M. M. Malis, Machine for crocheting cord, D. C., E. D. N. Y. (Brooklyn), Doc. c–12512, *Morris M. Malis, Inc.* v. *M. Buxbaum et al.* Order of discontinuance Apr. 24, 1952.

2,591,610, G. P. Robinson, Ventilated metal awning, filed May 7, 1952, D. C., S. D. Fla. (Tampa), Doc. 2178, *G. P. Robinson* v. *R. Di Gaetano.*

2,594,755, P. W. Felt, Liquefied petroleum gas lighter, filed May 5, 1952, D. C. Minn. (St. Paul), Doc. 4075, *Brown & Bigelow, Inc.* v. *Ronson Art Metal Works, Inc., et al.*

Des. 156,675, L. Shulman, Brassière, D. C., S. D. N. Y., Doc. 66/291, *L. Shulman et al.* v. *Lady Marlene Brassiere Corp. et al.* Stipulation and order of settlement May 12, 1952.

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 39,409, Hutchison Acoustic Co., Apparatus for improving the hearing of deaf persons, D. C., S. D. Tex. (Houston), Doc. 6096, *Dictograph Products, Inc., et al.* v. *S. W. Bell Telephone Co. et al.* "All claims against all parties to this suit are released"; action dismissed, no infringement May 9, 1952.

T. M. 113,541, American Druggists Syndicate, Certain named chemicals, medicines, etc., filed Dec. 24, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c2057, *American Druggists Syndicate, Inc., et al.* v. *American Drug Industries, Inc.*

T. M. 225,700, Angelica Jacket Co., Men's and women's apparel, filed July 9, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c1083, *Angelica Uniform Co.* v. *Angelo Fashions, Inc.*

T. M. 514,294, American Airlines, Inc., Air transport of passengers and freight, filed May 9, 1952, D. C. N. J. (Newark), Doc. 403/52, *American Airlines, Inc.* v. *European-American Airlines, Inc.*

T. M. 539,751, Industrial Engineering Associates, Athletic truss for hernias, filed May 2, 1951, D. C., N. D. Ill. (Chicago), Doc. 51c708, *Industrial Engineering Associates* v. *Active Man Truss Co.*

T. M. 545,729, Regior of California, Electric floor and table lamps, D. C., N. D. Ill. (Chicago), Doc. 51c1278, *Regior of California* v. *Original Art Co.* By agreement cause is dismissed without prejudice Nov. 8, 1951.

NOTICES

Adjudicated Patents

(D. C. Pa.) Lotz Patent No. 2,107,574, for a collapsible sidewalk sign support, *Held* invalid and not infringed. *Schneider Metal Mfg. Co.* v. *Ernst, Inc.*, 103 F. Supp. 762; —USPQ —.

(C. A. Ill.) Falkenberg Patent No. 2,409,425, for a drapery mounting. Claims 14 and 15 *Held* not infringed. *Falkenberg* v. *Golding et al.*, 195 F.2d 482; — USPQ —.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Design Pat. 154,991, K. Cox, Clothespin, decided Mar. 25, 1952, the claim.

Pat. 2,494,682, A. W. Aspin, Door hinge, decided Mar. 21, 1952, claim 1.

Pat. 2,553,073, R. E. Barnett, Solar heater with spaced parallel heat absorbing sheets, decided May 19, 1952, claims 1, 2 and 3.

Cancellation Notice

The Chester Vitamizer, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Natural Food Institute, Olmsted Falls, Ohio, for registration of a trade-mark and Registration No. 373,509, issued December 12, 1939, to The Chester Vitamizer, Inc., 2013 4th Avenue, Seattle, Washington, and the notice of such declaration sent by registered mail to the said The Chester Vitamizer, Inc., at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said The Chester Vitamizer, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. (Date of first publication—June 10, 1952.)

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

May 16, 1952.

Disclaimers

2,068,889.—*Erwin G. Roehm*, Norwood, and *Millard Romaine*, Cincinnati, Ohio. MILLING AND PROFILING MACHINE. Patent dated Jan. 26, 1937. Disclaimer filed May 23, 1952, by the assignee, *The Cincinnati Milling Machine Co.*

Hereby enters this disclaimer to claim 16 of said patent.

2,489,758.—*Joseph A. Dunn*, St. Clair, Mich., and *Frank G. Miller*, Denville, N. J. MINERAL SALT BLOCK. Patent dated Nov. 29, 1949. Disclaimer filed May 21, 1952, by the assignee, *General Foods Corporation.*

Hereby enters this disclaimer to claims 1 and 2 of said patent.

2,489,760.—*Joseph A. Dunn*, St. Clair, Mich., and *Frank G. Miller*, Denville, N. J. TRACE METAL SALT. Patent dated Nov. 29, 1949. Disclaimer filed May 21, 1952, by the assignee, *General Foods Corporation.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 7, 10, and 13 of said patent.

2,545,788.—*Frank H. McIntosh*, Chevy Chase, Md. MODULATOR SYSTEM. Patent dated Mar. 20, 1951. Disclaimer filed May 23, 1952, by the inventor.

Hereby enters this disclaimer to claims 19, 21, 22, 23, and 28 of said patent.

2,509,444.—*Wallace F. Mitchell*, Chicago, Ill. FLUID COUPLING. Patent dated May 30, 1950. Disclaimer filed May 24, 1952, by the assignee, *M B G Corporation.*

Hereby enters this disclaimer to claims 17 and 18 of said patent.

2,552,858.—*Robert J. Mueller*, Milwaukee, and *Ivan Burgeson*, West Allis, Wis. SERIALOGRAPHIC APPARATUS AND X-RAY EQUIPMENT EMBODYING SAME. Patent dated May 15, 1951. Disclaimer filed May 21, 1952, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claim 4 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,558,966. Sewing Spacer for Buttons. Patented July 3, 1951. A device for spacing buttons from garments while sewing in position. The spacer is positioned beneath a button and has a sidewardly opening passage to allow the spacer to be withdrawn from beneath the button after the button has been sewed to garment. Spacer has a button-receiving concavity in its upper face with a series of concentric steps for receiving buttons of various sizes. May be made of plastic, hard rubber, or the like. (Owner) Edward K. Lane, Jr., 344 South Ashley, Ann Arbor, Mich. Groups 30—32; 33—73; 34—41; 39—81—99; 40. Reg. No. 48,054.

Pat. 2,487,154. Time Switch. Patented Nov. 8, 1949. Time switch particularly suitable for household use is provided with a socket and an extension cord, which may be plugged into a wall receptacle. An extension cord of an electric fan, heater, or the like may be plugged into the socket. The switch includes a switch-operating toothed wheel and a timing element consisting of a bimetal strip and a small heating coil for advancing the wheel step by step. A fixed resilient pawl engages the teeth of the wheel, and the bimetal strip carries an arm having a hooked end for engaging the teeth. When the bimetal strip is cool, the hooked end of the arm contacts the pawl, closing a circuit of the heating coil. When heated, the bimetal strip advances the wheel until the pawl snaps over a tooth of the wheel and breaks the circuit. As the bimetal strip cools, the hooked end of the arm moves over the periphery of the wheel until it snaps over the same tooth and re-establishes the circuit. (Owner) Robbins & Myers, Inc., Springfield 99, Ohio. Group 36—11—19. Reg. No. 48,055.

Pat. 2,489,295. Carton Carrier. Patented Nov. 29, 1949. A detachable carrier for cartons has a pair of hingedly connected U-shaped wire handle parts. Each part has a piercing portion at one end. When the handle parts are folded, the piercing portions lie side by side for insertion into a carton. After insertion, the handle parts are unfolded so that the piercing portions will be extended in opposite directions under top of carton. (Owner) Arlo William King, 533 19th Ave. West, Calgary, Alberta, Canada. Groups 33—41—49; 40. Reg. No. 48,056.

Pat. 2,581,365. Crawler Tractor Friction Wheel Drive Mechanism. Patented Jan. 8, 1952. Crawler tractor has rear driving axles with a long plate mounted on each side of tractor for up-and-down swinging movement and endwise movement within certain limitations. The ends of the plates are substantially semi-circular. Plates welded to and encircling the side plates form endless rigid tracks. Endless traction members encircling the tracks comprise pivotally coupled tread members, each carrying inner and outer rollers in engagement with opposite faces of the tracks. Friction wheels mounted on the rear axles are adapted to frictionally engage and drive the inner rollers as these rollers frictionally contact the inner faces of the tracks and the wheels. The side plates may be manually adjusted lengthwise to effect desired frictional engagement between the friction wheels and the inner rollers. (Owners) F. H. Darragh, Jr., and C. W. Read, 1535 Third Ave., New Brighton, Pa. Group 35—21. Reg. No. 48,057.

Pat. 2,580,322. Bottle Cap. Patented Dec. 25, 1951. A bottle cap with self-contained key opener. The cap has a flange to be crimped over the mouth bead of a bottle. A pair of ears extend upwardly from the lower periphery of the flange and extend over the top portion of the cap, the ends overlapping. The lapped ends pass through a slot in a key stem which has a downturned handle portion that laps the cap. By rotating the key, the ears will be wound upon the key and pull the flange upwardly, releasing the cap from the bottle. (Owner) Martin Robeski, Wausaukee, Wis. Groups 33—31—73; 34—41; 40. Reg. No. 48,058.

The 5 patents listed below are owned by James C. Ramsey, Lincoln, N. Mex.

These patents relate to: An archer's outfit of arrows, bow attachment, quiver, and gloves.

Pat. 2,504,449. Arrowhead. Patented Apr. 18, 1950. Arrowhead has three blades, each formed of two face-abutting plates arranged in obtusely related pairs joined along the inner edges by partly circular bands. One plate of each pair is secured in face-abutting relation to a plate of another pair. The connecting bands between each pair of plates are so arranged that when the plates are secured together a tapering shaft socket will be formed. When the shaft is in the socket, the shaft will form a lock for the bands and plates. Group 39—49. Reg. No. 48,059.

Pat. 2,549,235. Interlocked Multiplate Arrowhead Construction. Patented Apr. 17, 1951. A sectional arrowhead has pairs of outwardly divergent blades connected by spaced arcuate bands at their inner edges. The bands of one pair of blades intermesh with the bands of another pair of blades and form a tapering shaft socket. A flange carried by each band closes the space between each pair of bands so that the bands and flanges form a closed shaft socket. Upon inserting an arrowshaft in the socket, impact force of the arrowhead will tend to hold the parts more firmly together. Modifications given. Group 39—49. Reg. No. 48,060.

Pat. 2,555,203. Glove for Archers. Patented May 29, 1951. A heated skeleton arrow release glove for use by archers in cold weather. The glove has a back member, a wrist band at rear of back member, and finger cots forwardly of back member with pockets on their rear sides. Straps connect the cots with the back member. Heating elements carried by back of glove engage in the pockets of the cots. A switch is carried by the palm member. Group 39—49. Reg. No. 48,061.

Pat. 2,575,126. Arrow Holding Attachment or Rack for Hunting Bows. Patented Nov. 13, 1951. An arrow-holding device is designed to be adjustably mounted on either side of an arching bow in the region of the handle so that extra arrows may be quickly grasped and notched on the string. This allows the hunter to shoot several arrows in rapid succession. Group 39—49. Reg. No. 48,062.

Pat. 2,576,360. Hunting Quiver for Hunting Arrows. Patented Nov. 27, 1951. Quiver supports each arrow individually to prevent rattling, dulling of the arrowheads, and damage to the feathering. The arrows may be inserted in and removed from the quiver substantially sidewise through a side opening. Quiver comprises a light framework of longitudinal staves and split circular bands removably inserted in a bag having a zippered longitudinal side opening. The band below the top band has an inverted U-shaped member secured to and extending around its inner surface with indentations in the inner edge of the member to receive shafts of the arrows, and U-shaped clips adjacent the indentations to grip the shafts. This U-member prevents the feathering from contacting the sides of the quiver. Flexible arrowhead scabbards are secured to the bottom band, and the band thereabove carries U-shaped clips to engage the shafts of the arrows. Group 39—49. Reg. No. 48,063.

Pat. 2,538,563. Tire Cooling Arrangement. Patented Jan. 16, 1951. A heat transfer means for tires includes coolant-filled resiliently flexible conduits, provided with non-return valves, incorporated within a tire casing. The conduits include a section within the tread portion and larger side sections. The tread section conduit contracts by pressure upon the roadway and squeezes the coolant fluid into one of the sidewall sections. The coolant then moves to opposite sidewall section and back to original part of tread section. By the alternate flexure and squeezing of the tread section, as the tire rolls along the roadway, the coolant is circulated in a single direction completely through each conduit. (Owner) Maj. Charles B. Isham, 1170th ASU U. S. Army Hospital, Fort Devens, Mass. Groups 30—11; 38—11. Reg. No. 48,064.

Pat. 2,426,816. Dismountable Endless Tread Tractor Unit for Power Vehicles. Patented Sept. 2, 1947. A tractor unit may be interchanged for the drive wheels of a truck or other vehicle. Spaced inner and outer side plates are connected by a bracket which serves as a support for the outer end of a sleeve of the truck axle. The bracket has a capped, bored hole at its mid-portion to support and lock the outer end of the axle sleeve to the tractor unit. Idler sprockets and interconnected drive sprockets on shafts at ends of the plates support a chain tread. The drive sprockets and axle are connected by gears, and a shaft on the bracket carries pinions to engage the gears. The truck axle sleeve carries the usual brake and operating mechanism. (Owner) Olvida Busque, 214 East 90th St., New York 28, N. Y. Groups 35—21; 38—11. Reg. No. 48,065.

Pat. 2,383,876. Ignition System for Internal Combustion Engines. Patented Aug. 28, 1945. Constant speed control system for an internal combustion engine includes a small electric motor for rhythmically opening and closing an electric switch having a fixed contact and a movable contact. A spark coil is electrically connected to one of the contacts and to the battery. The high tension side of the coil is electrically connected to the rotor of the distributor. A vibrator may be used instead of the motor-operated switch means. A modification shows the system applied to a pair of internal combustion engines. (Owner) Wilbur L. Mayo, 444 Harpersville Road, Hilton Village, Va. Groups 36—41; 38—31. Reg. No. 48,066.

Pat. 2,563,802. Safety Razor With Discardable Head. Patented Aug. 14, 1951. Safety razor has a discardable, replaceable head, consisting of a blade and a sheath to be sold as a unit. Flanges on head slidably and removably receive a handle. The handle has flexibly connected, normally converging front and rear walls having contacting prongs at upper end in angular relation thereto. Flanges on the prongs detachably engage flanges on the head. When the handle has been detached from the head, the front and rear walls may be flexed apart to receive the head inside the handle to provide a container for the head. Sheath and handle may be made of plastic or resilient metal. (Owner) Lorenzo C. Denslow, P. O. Box 138, Washington, D. C. Group 33—51. Reg. No. 48,067.

Pat. 2,178,923. Automobile Bed. Patented Nov. 7, 1939. Bed for a motor vehicle is readily shiftable between a stored position and position for use. The bottom of the rear seat constitutes a portion of the bed, and the bed extends beneath the back of the seat into the luggage compartment. The unit may be equipped with rollers to roll in tracks under the rear seat. A section mounted in luggage compartment is separate from rest of bed and is mounted to swing between a stored upright position and a horizontal position to form an extension of the bed. The seat back is mounted to swing upwardly to an out-of-the-way position when the bed is slid forwardly. Will not change the appearance of interior of vehicle and does not interfere with placing or removing luggage from the trunk. (Owner) William E. Stewart, 3039 9th Ave., Arcadia, Calif. Groups 25—19; 38—11. Reg. No. 48,068.

Pat. 2,502,314. Lady's Blouse or the Like. Patented Mar. 28, 1950. A blouse of any desired style and material has a resilient element attached to each armhole to resist the strain of body movements and hold the blouse in position. Includes a pair of elastic bands, each twice the length of the distance from the armhole to the waistline. Each band is folded over and connected by its free ends to its armhole seam with one of the ends on each side of the side seam so as to counteract front and rear tension forces. A tie band is connected to each elastic band at its fold. (Owner) Beatrice Donin. Correspondence to Henry L. Burkitt, 900 Berkeley Bldg., 19 West 44th St., New York 18, N. Y. Groups 22—12—22—44; 23—35; 40. Reg. No. 48,069.

Pat. 2,573,281. Lister Attachment. Patented Oct. 30, 1951. An adjustable auxiliary attachment for a standard beam type tractor-mounted lister provides a mounting for cultivator shoes or sweeps, which are pivotally connected by beams to the lower ends of the lister beams. The shoes are positioned in staggered relation to the shoes of the beams of the implement. A transverse bar connected to auxiliary beams by U-bolts has braces to support the beams and shoes from the lower ends of the lister beams in a series of positions to elevate or lower the beams to vary the working depth of the shoes. (Owner) Charles F. Schumacher, Munday, Tex. Group 35—21—22. Reg. No. 48,070.

General Electric Company offers the 13 patents listed below for non-exclusive licensing on reasonable terms to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Services Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following 3 patents relate to: A zinc alloy containing one or more of the following substances—aluminum, manganese, copper, vanadium, magnesium, iron, or silver; a device for tensioning, braiding, or wrapping wire that is fed to a cable armoring or braiding machine, etc.; and a method for manufacturing gas-filled cables of the type having a hollow core conductor.

Pat. 2,243,827. Zinc Alloy. May 27, 1941. Group 34—29—39. Reg. No. 48,071.

Pat. 2,388,982. Tensioning Device. Nov. 13, 1945. Groups 35—69; 36—31. Reg. No. 48,072.

Pat. 2,531,156. Method of Insulating Hollow Core Conductors. Nov. 21, 1950. Group 36—31. Reg. No. 48,073.

The following 7 patents relate to: Electric switches; a wire stripping machine for removing insulation; an indicating lamp receptacle for use on panel boards; and a lamp socket.

Pat. 2,139,561. Switch Mechanism. Dec. 6, 1938. Group 36—19. Reg. No. 48,074.

Pat. 2,152,471. Lamp Socket. Mar. 28, 1939. Group 36—11. Reg. No. 48,075.

Pat. 2,192,056. Hot Wire Lead Stripper. Feb. 27, 1940. Group 35—41—43. Reg. No. 48,076.

Pat. 2,198,474. Electric Switch. Apr. 23, 1940. Group 36—19. Reg. No. 48,077.

Pat. 2,201,875. Outlet Receptacle Switch. May 21, 1940. Group 36—19. Reg. No. 48,078.

Pat. 2,334,579. Indicating Lamp Receptacle. Nov. 16, 1943. Group 36—51. Reg. No. 48,079.

Pat. 2,471,848. Combined Switch and Fuse. May 31, 1949. Group 36—19. Reg. No. 48,080.

The following 3 patents relate to: Electric motors and an aircraft cabin supercharger regulator system.

Pat. 2,011,382. Brake for Electric Motors. Aug. 13, 1935. Group 36—19. Reg. No. 48,081.

Pat. 2,020,090. Electric Motor. Nov. 5, 1935. Group 36—19. Reg. No. 48,082.

Pat. 2,439,239. Cabin Supercharger Regulator System. Group 37—21—22. Reg. No. 48,083.

United States Government Owned Patents

The following patents (granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are the property of the United States of America as represented by the Secretary of the Interior by virtue of assignments from the inventors, Julian Feldman and Milton Orchin (Pat. 2,581,398), and Calvin Golumbic and Milton Orchin (Pat. 2,581,406). Non-exclusive and royalty-free licenses are available. Applications for licenses should be directed to the Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,581,398. Method for the Separation of α-Methyl Naphthalene From β-Methyl Naphthalene by Azeotropic Distillation. Patented Jan. 8, 1952. A method for separating α-methyl naphthalene from β-methyl naphthalene comprises adding an entrainer consisting of 2-amino-3-methyl pyridine to a mixture containing these isomers, and distilling the resultant mixture at a subatmospheric pressure selected so that the entrainer forms a dilute azeotrope with β-methyl naphthalene but virtually no azeotrope with α-methyl naphthalene. After initial separation of the isomers, the entrainer itself may be removed from the admixture with the isomers by one or more distillations at pressures different from that employed in the original distillation. Group 28—89. Reg. No. 48,084.

Pat. 2,581,406. Separation of Individual Phenols From a Mixture of Isomeric, Homologous, or Other Closely Related Phenols. Patented Jan. 8, 1952. Provides a process for the separation of a mixture of isomeric, homologous, or other closely related phenols by a method of countercurrent distribution employing a solvent system of an immiscible organic liquid and an aqueous alkaline buffer. The buffer employed has a pH value in the order of 11, whereby the partition of coefficients of the individual phenols, and the ratios of the partition coefficients of the individual phenols, are shifted to values most favorable to the separation of the mixture of phenols into its individual components. Suitable organic solvents, such as benzene, or cyclohexane, may be employed. Group 28—89. Reg. No. 48,085.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 24, 1952

[VOL. 659. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 510,785. The Kalart Company Inc., Stamford, Conn. Filed Oct. 12, 1946.

SYNCHROSTROB

For Synchronizers for Photographic Purposes, Parts of Synchronizers, Mounting Brackets for Synchronizers, Connecting Cords for Synchronizers, Switches for Synchronizers.

Claims use since Sept. 1, 1946.

CLASS 39

CLOTHING

Ser. No. 525,649. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed July 2, 1947. Under 10-year proviso as to "Merrimac."

PLYMOUTH
MERRIMAC

The word "Plymouth" is disclaimed.

For Hats and Hat Bodies for Men, Women, and Children, Made of Felt.

Claims use since Oct. 1, 1937, as to the mark shown; and since 1856 as to "Merrimac."

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 585,905. Armour and Company, Chicago, Ill. Filed Oct. 7, 1949. (Sec. 2f.)

LYCOMING

For Sole Leather.

Claims use since 1930.

Ser. No. 613,326. Glass Fibers, Inc., Waterville, Ohio. Filed Apr. 30, 1951.

Vitron

The drawing is lined for black on the edges of the letters solely for the purpose of indicating the shaded side of a three dimensional letter, as color is not a factor of the trade-mark. Applicant claims ownership of Registrations Nos. 437,173, 438,599, and others.

For Glass Wool—Namely, Staple Glass Fiber Arranged in a Soft, Flexible, Random Matted and Intermingled Mass of Staple Fibers Loosely Held Together in the Form of a Physical Mass or Mat or Sheet.

Claims use since Jan. 26, 1949.

CLASS 2

RECEPTACLES

Ser. No. 548,535. Claude B. Schneible Company, Detroit, Mich. Filed Jan. 31, 1948. (Sec. 2f.)

MULTI-LOUVER

For Dewatering Tanks, Said Tanks Being Employed for Separating Solid Material in Sludge, and the Like, From Water, a Typical Separator Consisting of a Tank for Receiving Sludge From a Dust Collector or Other Sludge-Forming Apparatus and Being Provided With a Series of Louvers Directed Downwardly To Permit the Flow of Water Upwardly Into the Interior of a Louver-Equipped Passage, So That Water May Escape While the Sludge Is Retained in the Separator Tank.

Claims use since July 1935.

Ser. No. 589,812. The Sponge Rubber Products Company, Shelton, Conn. Filed Dec. 22, 1949.

Icer

The word "Icer" is disclaimed.

For Empty Portable Buckets Made of Heat Insulative Material for Receiving Foods, Beverages, and Ice Cubes.

Claims use since Nov. 15, 1949.

Ser. No. 611,641. Container Corporation of America, Chicago, Ill. Filed Mar. 22, 1951. (Sec. 2f.)

PROTECTALL

Applicant claims ownership of Registration No. 273,047.
For Fibre-Board and Corrugated-Board Boxes, and Shipping Cartons.
Claims use since April 1929.

Ser. No. 612,611. The Hamilton Metal Products Company, Hamilton, Ohio. Filed Apr. 13, 1951.

Skyelander

For Insulated, Portable Bucket.
Claims use since Jan. 15, 1951.

Ser. No. 620,449. F. A. Whitney Carriage Company, Leominster, Mass. Filed Oct. 24, 1951. (Sec. 2f.)

WHITNEY

For Clothes Hampers.
Claims use since 1935.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 574,579. Arthur Gilmore, Inc., New York, N. Y. Filed Feb. 26, 1949.

ARTHUR GILMORE

The trade-mark consists of the name of Arthur Gilmore, consent is given.
For Trunks, Suit Cases, Wardrobe Cases, Victoria Cases, Boston Bags, Travelling Bags, Pullman Cases, Portmanteaus, Shoe Cases, Combination Hat and Shoe Cases, Shirt Cases, Duffle Bags, Travelling Cases (Fitted and Unfitted), 1-2-3-4 Suiter Cases, Overnight Cases, Gladstone Bags, Grips, Hat Cases, Brief Cases, Document Cases, Attaché Cases, Despatch Cases, Collar Cases, Secretary Cases or Trunks, Coin Cases and Purses, Card Cases, Billfolds and Wallets, Portfolios, Pocketbooks, French Purses, Handbags, Key Cases, Handkerchief Cases; and Jewelry Cases, Manicure Cases (Sold Empty) and Luggage Straps All Made of Leather or Combinations Thereof; Covers for Luggage; Leather Cases for Books, Bottles, Travelling Clocks, Sundries, Cutlery, Magazines, Matches, Pen and Pencils, Combs and Brushes and Sponges.
Claims use since Mar. 23, 1923.

Ser. No. 603,428. Anspat Co., Fallbrook, Calif. Filed Sept. 12, 1950.

SPAT

For Animal Training Paddles.
Claims use since June 26, 1950.

Ser. No. 603,919. Firman Leather Goods Corp., New York, N. Y. Filed Sept. 23, 1950.

Maximillian Miracle

The mark consists of the words "Maximillian Miracle" and crown design. Applicant claims ownership of Registration No. 411,575.
For Suitcases, Overnight Cases, Pullman Cases, Valises, and Satchels.
Claims use since Aug. 8, 1950.

Ser. No. 610,736. Boyle Leather Goods Co., Inc., New York, N. Y. Filed Mar. 2, 1951.

CAROBE

For Handbags, Pocketbooks, Portfolios, Trunks, Suitcases, Hat Cases, Shoe Cases, Pullman Cases, Wardrobe Cases, and Overnight Cases.
Claims use since Dec. 15, 1950.

Ser. No. 617,140. Bloom Bros. Bag Co., Boston, Mass. Filed July 31, 1951.

MOZEL

For Ladies' Shoulder Bags, Handbags, Club Bags, Furlough Bags, Boston Bags, Zipper Envelopes, Brief Bags, Luggage Tags.
Claims use since Feb. 1, 1951.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 541,567. Walter E. Clayton, doing business under the name The Poly-Varn Co., San Francisco, Calif. Filed Nov. 18, 1947.

Poly-Varn

For Polishes for Glazed Surfaces, Such as Furniture, Floors, Automobile Bodies, and the Like.
Claims use since Oct. 17, 1947.

Ser. No. 562,641. Sterling Jones Laboratories, doing business as R. A. Myers & Company, St. Paul, Minn. Filed Aug. 2, 1948.

RAMCO

For Powdered, Flaked, and Paste Wax and Self-Polishing Liquid Wax for Polishing and Conditioning Dance and Ballroom Floors.
Claims use since Jan. 1, 1929.

Ser. No. 565,053. Hillyard Chemical Company, St. Joseph, Mo. Filed Sept. 13, 1948.



MAINTAINEER

The word "Hillyard" is disclaimed.
For Self-Polishing Liquid Wax for Linoleum, Tile, Terrazzo, Wood, Asphaltic and Composition Floors.
Claims use since July 20, 1948.

Ser. No. 610,036. V S B Mfg. Co., Brooklyn, N. Y. Filed Feb. 13, 1951.



The word "Steel" is disclaimed.
For Steel Wool Pads With Soap Incorporated Therein.
Claims use since Dec. 28, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 601,225. John C. Maurer, San Jose, Calif. Filed July 25, 1950.

ClorPur

For Sodium Hypochlorite Used To Check or Kill Bacteriological Mold or Fungus Growth on Fruit and Vegetables.
Claims use since July 12, 1950.

Ser. No. 610,546. Ferro Chemical Corporation, Bedford, Ohio. Filed Feb. 27, 1951.

ISOTROL

For Fungicides for the Treatment of Textiles, Ropes, Plastics, and Wood.
Claims use since Feb. 8, 1951.

Ser. No. 611,064. The Baker Castor Oil Company, Jersey City, N. J. Filed Feb. 23, 1951. (Sec. 2f.)

CASTORWAX

Applicant claims ownership of Registration No. 432,917.
For Wax-Like Material Derived From Castor Oil Suitable for Such Purposes as Finishes for Soiled Surfaces, for Impregnating Porous Material and as a Polish, Dressing, Paste for Gaskets, Waterproofing, Surfacing of Foundry Molds, Anti-Blocking Agent for Plastic Compositions, and for Stiffening Waxes.
Claims use since Jan. 21, 1946.

Ser. No. 611,729. Texize Chemicals, Inc., Greenville, S. C. Filed Mar. 23, 1951.

Texize

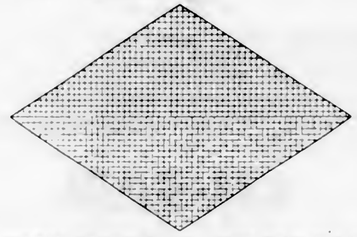
For Starch and Disinfectant Preparation, Warp Sizing Compound for Application to Cotton and Rayons.
Claims use since December 1946.

Ser. No. 612,028. National Research Corporation, Cambridge, Mass. Filed Mar. 30, 1951.

NARCOIL

For Vacuum Diffusion Pump Fluids Comprising High Boiling Organic Liquids.
Claims use since February 1945.

Ser. No. 614,653. Diamond Alkali Company, Cleveland, Ohio. Filed June 2, 1951.



The drawing is lined for the colors black and yellow.
For Chromic Acid.
Claims use since Dec. 20, 1950.

Ser. No. 616,291. Hercules Powder Company, Wilmington, Del. Filed July 10, 1951.

PARACASE

For Finely Ground, Heavy Metal Salt-Casein Composition for Use in the Paper Making, Adhesives, and Allied Industries.
Claims use since Mar. 27, 1951.

Ser. No. 617,747. Henry L. Crowley & Company, Inc., West Orange, N. J. Filed Aug. 16, 1951.

CROLOY

For Metallic Oxide Powder Useful as an Intermediate Material in the Fabrication of Electro-Magnetic Parts
Claims use since Aug. 3, 1951.

Ser. No. 619,001. Allied Chemical & Dye Corporation, New York, N. Y. Filed Sept. 20, 1951.

GENITE

Applicant claims ownership of Registrations Nos. 430,217, 432,486, and 522,683.
For Miticides Adaptable for Control of Mites Infesting Plant Life.
Claims use since Apr. 17, 1951.

Ser. No. 621,757. D-Con Company, Inc., Chicago, Ill. Filed Nov. 28, 1951.

LX3-2-1

For Rodenticides.
Claims use since Sept. 9, 1951.

Ser. No. 623,479. Shell Chemical Corporation, New York, N. Y. Filed Jan. 11, 1952.



The marking "81% N" is disclaimed.
For Anhydrous Ammonia.
Claims use since May 8, 1950.

Ser. No. 624,930. Chapman Chemical Company, Memphis, Tenn. Filed Feb. 14, 1952.

CU-SAN

For Water Repellent Wood Preservative.
Claims use since Nov. 26, 1951.

Ser. No. 625,194. W. A. Cleary Corporation, New Brunswick, N. J. Filed Feb. 19, 1952.

SETRETE

For Chemical Composition in Liquid Form for Disinfecting Seeds of Cereal Grains and the Like.
Claims use since Jan. 2, 1952.

Ser. No. 625,257. Commonwealth Color & Chemical Company, New York, N. Y. Filed Feb. 20, 1952.

TEXAMINE

For Cationic Softening Agents Having a Chemical Structure Similar to a Dyestuff, Applicable to All Types of Textile Fabrics and a Wide Range of Uses in Wet Processing.
Claims use since Aug. 21, 1940.

Ser. No. 625,599. Haas Miller Corporation, Philadelphia, Pa. Filed Feb. 27, 1952.

POTENTOL

Applicant claims ownership of Registration No. 435,525.
For Wetting Agent for Textiles, Paper, Metal, Ceramics, and Plastics.
Claims use since Dec. 18, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 616,660. William d'Alton, Paris, France. Filed July 19, 1951.

PYRIUM

Applicant claims ownership of French Registration No. 400,942, dated Feb. 27, 1950.
For Flints for Cigarette Lighters.

Ser. No. 618,492. Federated Supply Corporation, New York, N. Y. Filed Sept. 7, 1951.

PermaDot

For Smokers' Pipes, Cigarette Holders, Cigar Holders, and Cigar and Cigarette Lighters.
Claims use since July 1, 1951.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 615,382. The General Tire & Rubber Company, Akron, Ohio. Filed June 19, 1951.

JET-CRETE

For Aerial Practice Bombs Made of Concrete.
Claims use since May 11, 1951.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 611,397. American Carbon Paper Mfg. Company, Ennis, Tex. Filed Mar. 16, 1951.

LONGHORN

Applicant claims ownership of Registration No. 542,045.
For Carbon Paper and Typewriter Ribbons.
Claims use since July 1, 1942.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 586,921. Lancaster Processes, Inc., New York, N. Y., now by change of name Lancaster Chemical Corporation, a corporation of New York. Filed Oct. 27, 1949.

KLING

For Asphalt Additives, Used With Asphalt To Promote Adhesion to Aggregates for Construction Purposes.
Claims use since Apr. 22, 1947.

Ser. No. 605,856. Harbison-Walker Refractories Company, Pittsburgh, Pa. Filed Nov. 3, 1950.

H-W KUPLOMIX

"Kuplomix" is disclaimed.
For Refractory Mixture Containing Refractory Clays, Graphite and Bonding Ingredients, Used for Repairing and Lining Industrial Heating Furnaces, Ladles, and the Like.
Claims use since Mar. 17, 1950.

Ser. No. 612,690. Haydon Products Corporation, Brooklyn, N. Y. Filed Apr. 16, 1951.

hp

For Insulating Jackets for Boiler.
Claims use since September 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 565,985. Watts Regulator Co., Lawrence, Mass. Filed Sept. 27, 1948. (Sec. 2f.)

WATTS

Applicant claims ownership of Registration No. 282,741.
For Pressure Regulator Safety Devices—Namely, Feed Water Regulators, Pressure Regulators, Damper Regulator Valves, Reducing Valves, Relief Valves, Pressure and Vacuum Valves, Boiler Water Feeders, and Low Water Cut-Offs.
Claims use since 1874 on the word "Watts"; and since Jan. 1, 1944, on the mark as shown.

Ser. No. 592,900. General American Transportation Corporation, Chicago, Ill. Filed Feb. 23, 1950.

GENERAL AMERICAN

The word "American" is disclaimed. Applicant claims ownership of Registration No. 136,006.
For Children's Folding Toilet Seats.
Claims use since Jan. 15, 1948.

Ser. No. 595,094. The Roberts Co., Los Angeles, Calif. Filed Apr. 1, 1950. (Sec. 2f.)

SMOOTHEDGE

For Carpet Anchoring Device in the Form of Plywood Strips Penetrated With a Double Row of Pins for Holding Carpet in Position on Floors.
Claims use since Apr. 29, 1940.

Ser. No. 612,420. Spiral Fastener Corporation, Stamford, Conn. Filed Apr. 9, 1951.



For Spiral Fasteners.
Claims use since Mar. 21, 1951.

Ser. No. 621,285. Precision Devices, Inc., New York, N. Y. Filed Nov. 15, 1951.

P-D
KASEMENT KLAMPS

The words "Kasement Klamps" are disclaimed.
For Bolt Anchors.
Claims use since June 13, 1951.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 586,534. Haynes Stellite Company, New York, N. Y., assignor to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Filed Oct. 19, 1949. (Sec. 2f.)

HAYNES

Applicant claims ownership of Registration No. 269,549.
For Metal Alloys: Metal Alloy Welding Rods, Hard-Facing Rods, and Hard-Setting Inserts; Metal Alloy Castings, Forgings, Sheets, Plates, Strips, Rods, Bars, Tubing Stock, Piping Stock, and Wire; and Metallo-Ceramic Bodies, Comprising Interpenetrating Metal and Ceramic Phases, for Various Uses in the Industrial Arts Requiring Strength at High Temperatures and High Thermal Shock Resistance.
Claims use since October 1929.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Ser. No. 530,677. Patek Brothers, Inc., Milwaukee, Wis. Filed Aug. 6, 1947.

PATEK

Applicant claims ownership of Registrations Nos. 219,366 and 221,265.
For Interior and Exterior Paints for All Types of Surfaces and Sold in Powder, Paste, or Liquid Forms; Calcimines; Paint and Baking Enamels; Lacquers; Japans; Varnishes; Wood Stains; Paint Driers; Paint Drying Oils; Roof Coatings in the Nature of Paint; Paint, Wood, and Metal Pore Fillers and Coatings for Use Before Decorating and Painting; Coating Compounds for Glazing Walls and Ceilings Before Decorating and Painting; Protective Floor Waxes; and Paint, Enamel, Lacquer, and Varnish Thinners and Solvents.
Claims use since Nov. 1, 1895.

Ser. No. 531,824. Patek Brothers, Inc., Milwaukee, Wis. Filed Aug. 19, 1947. (Sec. 2f—Additional evidence.)

MATTCOTE

Applicant claims ownership of Registrations Nos. 146,547, 221,185, and 221,262.

For Paint Sold in Liquid Form.

Claims use since Sept. 1, 1908.

Ser. No. 553,014. Plastikon-Western, Inc., San Francisco, Calif. Filed Mar. 25, 1948.

FORMULA K 83

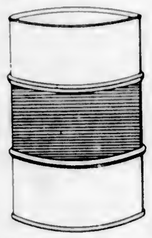
UNEEK

The word "Formula" is disclaimed.

For Liquid Plastic Surface Sealer for Use on Linoleum and Hardwood Floors.

Claims use since Feb. 18, 1948.

Ser. No. 576,876. Nuodex Products Co., Inc., Elizabeth, N. J. Filed Apr. 9, 1949.

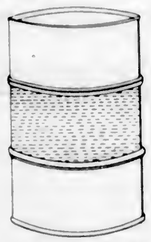


The trade-mark consists in a blue annular band encircling substantially the central third portion of a drum as shown on the drawing. The lining shown on the drawing denotes the color blue of the band. No claim is made to the representation of the drum apart from the mark shown on the drawing.

For Driers for Paints, Varnishes, Enamels, and Linoleum Coating Compositions.

Claims use since 1932.

Ser. No. 576,877. Nuodex Products Co., Inc., Elizabeth, N. J. Filed Apr. 9, 1949.

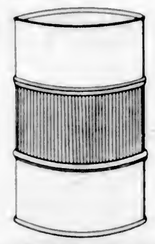


The drawing is lined for grey. The representation of the drum is disclaimed. The mark consists in a grey annular band encircling substantially the central third portion of a drum.

For Driers for Paints, Varnishes, Enamels, and Linoleum Coating Compositions.

Claims use since 1932.

Ser. No. 576,878. Nuodex Products Co., Inc., Elizabeth, N. J. Filed Apr. 9, 1949.

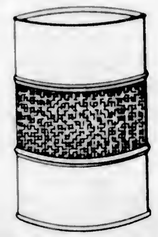


The drawing is lined for red. The representation of the drum is disclaimed. The mark consists in a red annular band encircling substantially the central third portion of a drum.

For Driers for Paints, Varnishes, Enamels, and Linoleum Coating Compositions.

Claims use since 1932.

Ser. No. 576,880. Nuodex Products Co., Inc., Elizabeth, N. J. Filed Apr. 9, 1949.



The drawing is lined for yellow. The representation of the drum is disclaimed. The mark consists in a yellow annular band encircling substantially the central third portion of a drum.

For Driers for Paints, Varnishes, Enamels, and Linoleum Coating Compositions.

Claims use since 1932.

Ser. No. 605,000. F. W. Woolworth Co., New York, N. Y. Filed Oct. 16, 1950.



The drawing is lined to denote red.

For Floor and Linoleum Varnish, Spar Varnish, Exterior House Paint, Exterior Trim Colors, and Exterior One-Coat Enamel.

Claims use since Mar. 2, 1944.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 581,141. Nutrition Products, Inc., Cleveland, Ohio. Filed June 27, 1949.

'VITIRIS'

For Concentrated Vitamin Animal Feed Supplement.

Claims use since Dec. 16, 1948.

Ser. No. 581,654. Flint, Eaton and Company, Decatur, Ill. Filed July 8, 1949.

DERMATHYN

For Topical Local Anesthetic.

Claims use since Apr. 1, 1949.

Ser. No. 584,962. Bengue Inc., Union City, N. J. Filed Sept. 17, 1949. (Sec. 2f.)

BAUME BENGUÉ

The word "Baume" is disclaimed. Applicant claims ownership of Registrations Nos. 66,633, 435,135, and others.

For Medicinal Preparation To Be Applied Externally for Use in the Treatment of Rheumatism, Muscular Aches and Pains, Neuralgia, Minor Bronchial Irritations, Coughs and Throat Irritations Due to Colds, Burning, Tired Feet and Bunions, and Insect Bites and Stings.

Claims use since November 1922.

Ser. No. 588,810. Riddell Products Limited, London, England. Filed Dec. 5, 1949.

RIDDOBRON

Applicant claims ownership of British Registration No. 609,637, dated Nov. 8, 1939.

For Asthma Inhalant.

Ser. No. 594,785. Imperial Chemical Industries Limited, London and Millbank, London, S. W. 1, England. Filed Mar. 28, 1950.

ICI

Applicant claims ownership of British Registration No. 507,719, dated Nov. 12, 1929.

For Chemical Substances Prepared for Use in Medicine and Pharmacy as Amoebicides, Anaesthetics, Anthelmintics, Antiseptics, Analgesics, Antibiotics, Antimalarials, Antitubercular Preparations, Antiepileptics, Bactericides, Hypnotics, Cleansing Agents for Wounds, Oestrogenic Agents; Parasiticides Used in the Treatment of Tapeworms, Mycosic-Eczema, Scabies, Pediculosis Capitis, and Like Ailments; Pyroplasmocides, Skin Drugs, Sulphonamides, Trypanocides, Tumor Inhibitors, Disinfectants Particularly for Use by Surgeons, Circulatory Stimulants and Restoratives, and Bacteriostatic Substances.

Ser. No. 595,986. R. P. Scherer Corporation, Detroit, Mich. Filed Apr. 19, 1950.

G P

For Capsulated Vitamin Preparations for Human and Other Animal Use, Including Single Vitamin, Multi-Vitamin, and Vitamin and Mineral Preparations; Capsulated Drugs and Medicinal Preparations and Mixtures for Human and Other Animal Use; Capsulated Medical Preparations—Namely, Creams, Salves, Lotions, and Ointments for Human and Other Animal Use.

Claims use since October 1933.

Ser. No. 599,989. The Stuart Company, Pasadena, Calif. Filed June 29, 1950.

the Stuart CMC Capsules

The drawing is lined for brown. The words "The Stuart" and "Capsules" are disclaimed.

For Carboxy Methyl Cellulose Sold in Capsule Form as a Bulk Laxative.

Claims use since June 13, 1950.

Ser. No. 602,483. Anderson, Clayton & Co., Houston, Tex. Filed Aug. 21, 1950.

DYNAMIN

For Vitamin Mixes To Be Used in Animal Food and Feed.

Claims use since Jan. 27, 1950.

Ser. No. 603,931. Kegan Laboratory, Inc., Englewood, N. J. Filed Sept. 23, 1950.

PHYTOTONE

For Extract Used as a Medicine Tonic for Human Use.

Claims use since Aug. 1, 1949.

Ser. No. 604,113. The Vale Chemical Company, Inc., Allentown, Pa. Filed Sept. 27, 1950.

B-TROPIC

The letter "B" is disclaimed.

For Capsule and Liquid Preparation for the Treatment of Arteriosclerosis, Atherosclerosis, and Hepatic Cirrhosis.

Claims use since Nov. 16, 1949.

Ser. No. 604,137. Babbitt's Cut Rate Stores, Inc., Washington, D. C. Filed Sept. 28, 1950.

FOLIBEX

For Vitamin Capsules.

Claims use since Aug. 25, 1950.

Ser. No. 605,155. Geigy Company, Inc., New York, N. Y. Filed Oct. 19, 1950.

TAORYL

For Expectorant and Preparation for Coughs.

Claims use since Mar. 22, 1950.

Ser. No. 605,251. Consolidated Royal Chemical Corporation, Chicago, Ill. Filed Oct. 21, 1950.

INDO-LACS

For Pharmaceutical Preparation To Be Used as a Laxative.
Claims use since December 1936.

Ser. No. 606,424. E. Griffiths Hughes, Limited, Manchester, England. Filed Nov. 15, 1950. (Sec. 2f.)

DIGESTIF
RENNIES
TABLETS

The words "Digestif Tablets" are disclaimed.
For Medicinal Preparations for Use in the Treatment of Indigestion, Acidity, and Similar Digestive Ailments.
Claims use since 1936 in Great Britain; and first used in commerce between Great Britain and the United States in 1942.

Ser. No. 606,848. Bell and Thorne, Inc., Newark, N. J. Filed Nov. 24, 1950.

MANIGEL

For Laxative.
Claims use since Nov. 1, 1950.

Ser. No. 607,392. The Norwich Pharmacal Company, Norwich, N. Y., assignor to Eaton Laboratories, Inc., Norwich, N. Y., a corporation of New York. Filed Dec. 7, 1950.

TEEK

For Cough Syrup Sold as an Exempt Narcotic Containing Codeine.
Claims use since Oct. 14, 1949.

Ser. No. 607,511. O'Connell Brothers, Inc., Overland and St. Louis, Mo. Filed Dec. 9, 1950.

UCENAL

For Sodium Pentobarbital.
Claims use since Dec. 20, 1949.

Ser. No. 607,943. Ciba Limited, Basel, Switzerland, assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Filed Dec. 21, 1950.

PERARTONE

Applicant claims ownership of Swiss Registration No. 134,886, dated Sept. 2, 1950, and United States Registration No. 340,728.
For Adrenal Cortical Hormone Preparation.

Ser. No. 608,175. Organon Inc., Orange, N. J. Filed Dec. 28, 1950.

CORTROPHIN

For Medicinal Hormone Preparation, Consisting of "Acth" (Adrenocorticotropic Hormone).
Claims use since May 17, 1949.

Ser. No. 609,207. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Jan. 24, 1951.

RECTOPLAST

For Rectal Suppository.
Claims use since Nov. 14, 1950.

Ser. No. 609,962. Ciba Limited, Basel, Switzerland. Filed Feb. 12, 1951.

VIOZOLONE

Applicant claims ownership of Swiss Registration No. 136,184, dated Nov. 28, 1950.
For Pharmaceutical Preparations for the Treatment of Vaginal Diseases.

Ser. No. 610,387. E. R. Squibb & Sons, New York, N. Y. Filed Feb. 21, 1951.

UTERCAPS

For Antibacterial Preparation for Veterinary Use in the Treatment of Retained Placenta, Metritis, and Pyrometra.
Claims use since May 3, 1949.

Ser. No. 610,585. Research Laboratories Center, Inc., New York, N. Y. Filed Feb. 27, 1951.

MELOSIL

For Therapeutic Product for the Treatment of Over Fatigue, Anaemia, Nervous Depression, Mental and Physical Exhaustion.
Claims use since Feb. 16, 1951.

Ser. No. 610,901. H. Clay Glover Co., Inc., New York, N. Y. Filed Mar. 6, 1951.

PETscriptions

The word "Pet" is disclaimed.
For Medicines for Dogs, Cats, and Foxes—Namely, Vermifuge, Compound Tablets, Intestinal Tablets, Ointment, Eye Lotion, Eye Wash Powder, Expectorant Mixture, Canker Medicine, Liquid Tonic, Nerve Sedative, Laxative Pills, Tonic Pills.
Claims use since Sept. 22, 1950.

Ser. No. 611,012. American Cystoscope Makers, Inc., New York, N. Y. Filed Mar. 8, 1951.

BRONCHITRAST

For Preparation To Be Taken Internally for the Purpose of Serving as an X-Ray Contrast Medium.
Claims use since Feb. 16, 1951.

Ser. No. 611,372. Schering Corporation, Bloomfield, N. J. Filed Mar. 15, 1951.

GYNETONE

For Combination of Pure Crystalline Hormones for Internal Administration.
Claims use since Nov. 22, 1950.

Ser. No. 613,546. West Laboratories, Inc., Long Island City, N. Y. Filed May 4, 1951.

WELADYNE

For Antiseptic Preparation in Liquid and Powder Form.
Claims use since Oct. 2, 1950.

Ser. No. 615,326. Jackson-Mitchell Pharmaceuticals, Inc., Los Angeles, Calif. Filed June 18, 1951.

Lodomin

The word "Products" are disclaimed.
For Multivitamin Preparation.
Claims use since Apr. 21, 1951.

Ser. No. 616,700. John W. Curtis, Topeka, Kans. Filed July 20, 1951.

BABY JO



The portrait is fanciful.
For Multiple Vitamins and Skin Ointment.
Claims use since Mar. 1, 1949.

Ser. No. 616,899. Commercial Solvents Corporation, New York, N. Y. Filed July 25, 1951.

B-Y-500

Applicant claims ownership of Registrations Nos. 361,855, 428,075, and 533,669.
For Vitamin Concentrates Used as Ingredients of Poultry and Livestock Feeds.
Claims use since June 26, 1951.

Ser. No. 617,010. Frank E. Bohl, Crystal Lake, Ill. Filed July 27, 1951.

BOHL'S
G-G
COMPOUND

The words "Bohl's" and "Compound" are disclaimed.
For Medicinal Compound Intended for Relief of Rheumatism and Arthritis.
Claims use since Nov. 15, 1950.

Ser. No. 617,052. N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Filed July 27, 1951.

DUPHASOL

Applicant claims ownership of Dutch Registration No. 105,576, dated July 17, 1950.
For Colloidal Solutions of Natural Vitamins in Water for Vitaminizing Milk and Other Dairy Products.

Ser. No. 617,054. N. V. Philips-Roxane Pharmaceutisch-Chemische Industrie "Duphar," Weesp and Amsterdam, Netherlands. Filed July 27, 1951.

DOHYFRAL

Applicant claims ownership of Dutch Registration No. 107,768, dated Jan. 29, 1951.
For Vitamin Preparations for Human Consumption and for Veterinary Purposes and Vitamin Concentrates.

Ser. No. 617,826. The Upjohn Company, Kalamazoo, Mich. Filed Aug. 17, 1951.

Zymalixir

Applicant claims ownership of Registration No. 548,611.
For Medicinal Preparation To Be Used as a Hematinic.
Claims use since May 21, 1951.

Ser. No. 620,832. Azid Ullah, doing business as Pakistan Medicine Company, Gary, Ind. Filed Nov. 2, 1951.

A-Z-I-D U-L-L-A-H

For Medicinal Preparations—Namely, Herb Blood Tonics and Oils Applied Externally for the Relief of Rheumatism, Neuralgia, Gout, Backache, Sprain, Stiff Joints, and Sore Feet.
Claims use since June 11, 1929.

Ser. No. 620,833. American Cyanamid Company, New York, N. Y. Filed Nov. 3, 1951.

NEPTAZANE

For Sedative.
Claims use since Oct. 18, 1951.

Ser. No. 620,855. Organon Inc., Orange, N. J. Filed Nov. 3, 1951.

CRESCORMON

For Medicinal Hormone Preparation.
Claims use since Oct. 2, 1951.

Ser. No. 621,152. Lakeside Laboratories, Inc., Milwaukee, Wis. Filed Nov. 13, 1951.

NEOHYDRIN

For Tablet Medication for the Treatment of Edema and Congestive Cardiac Failure.
Claims use since Aug. 24, 1951.

Ser. No. 621,189. Xenoteck, Inc., Van Nuys, Calif. Filed Nov. 13, 1951.

bacco-ban

For Preparations for Use in Overcoming the Craving for Tobacco.
Claims use since May 14, 1951.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 620,555. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Filed Oct. 27, 1951.

TERANOTONE

For Hard Surface Floor Covering of the Nature of Linoleum.
Claims use since Oct. 11, 1951.

Ser. No. 620,557. Sloane-Blabon Corporation, Trenton, N. J., and Philadelphia, Pa. Filed Oct. 27, 1951.

VALMOR

For Hard Surface Floor Covering of the Nature of Linoleum.
Claims use since Oct. 11, 1951.

Ser. No. 621,352. Armstrong Cork Company, Lancaster, Pa. Filed Nov. 17, 1951.

VINOFLOR

For Felt Base Floor Covering.
Claims use since Oct. 29, 1951.

Ser. No. 621,950. Congoleum-Nairn, Inc., Kearny, N. J. Filed Dec. 1, 1951.

DELAFLOR

For Flexible Floor and Wall Coverings Having Printed, Coated, or Composition Surfaces.
Claims use since Nov. 2, 1951.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 577,953. Essex Wire Corporation, Detroit, Mich. Filed Apr. 29, 1949.

DREADNAUGHT

For Flexible Code Type High Voltage Electrical Power Transmission Cables.
Claims use since Jan. 1, 1892.

Ser. No. 579,951. Tele-Tray Corporation, Cleveland, Ohio. Filed June 3, 1949.

TELE • TRAY

The word "Tray" is disclaimed.
For Cradle Telephone Accessory in the Nature of a Receiver Rest and Ash Tray.
Claims use since Oct. 15, 1948.

Ser. No. 585,734. Air Associates, Inc., Teterboro, N. J. Filed Oct. 4, 1949.

AIR ASSOCIATES

The words "Air Associates Inc." are disclaimed.
For Electric Motors, Solenoids, Radio Receivers, Radio Transmitters, and Combination Radio Receivers and Transmitters.
Claims use since 1933.

Ser. No. 585,955. Leonard Sherman, trading under the name Leonard's Hardware, Philadelphia, Pa. Filed Oct. 7, 1949.

TELEVISION

The word "Vision" and the representation of the cathode ray tube are disclaimed.
For Television Receiving Sets and Parts Thereof—Namely, Coils and Transformers.
Claims use since Sept. 1, 1949.

Ser. No. 592,516. The Porter-Cable Machine Company, Syracuse, N. Y. Filed Feb. 15, 1950.

Guild

For Portable Hand Manipulable Electric Power Operated Tools Consisting of Sanding Machines, Saws, Routers, Planes, Shapers, and Cutters for Such Tools.
Claims use since October 1938.

Ser. No. 599,906. Telecoin Corporation, New York, N. Y. Filed June 28, 1950.

AIR-MARSHAL

The word "Air" is disclaimed.
For Television Receiving Sets.
Claims use since Mar. 28, 1950.

Ser. No. 603,350. American Optical Company, Southbridge, Mass. Filed Sept. 9, 1950.

Flexicone

For Electrical Heating Core and Shell for Heating and Expanding Plastic Ophthalmic Frames.
Claims use since June 28, 1950.

Ser. No. 604,507. Theodor Stiebel, Holzminden (Weser), Germany. Filed July 22, 1950.

Travel Kitchen Combinax

Priority under Sec. 44(d). German application Serial No. St 146, filed Feb. 4, 1950, Registration No. 616,516, dated Feb. 8, 1952. The words "Travel Kitchen" are disclaimed. Applicant claims ownership of German Registration No. 616,516, dated Feb. 8, 1952.
For Electrical Apparatus—Namely, Electrical Space Heaters, Electrical Immersion Heaters, Electrically Heated Cooking Pots, Pans, Kettles, Percolators, and Waffle Irons.

Ser. No. 610,106. Societe des Accumulateurs Fixes & de Traction (Societe Anonyme), Romainville (Seine), France. Filed Feb. 14, 1951.

ALCABLOC

Applicant claims ownership of French Registration No. 403,337, dated May 30, 1950.
For Primary and Secondary Batteries.

Ser. No. 613,721. National Electric Products Corporation, Pittsburgh, Pa. Filed May 10, 1951.

XDUCT JUNIOR

Applicant claims ownership of Registration No. 78,671.
For Thin-Wall Rigid Metallic Conduit Used as Physical Protection for Electrical Conductor Wires and Cables.
Claims use since Dec. 1, 1942.

Ser. No. 613,724. National Electric Products Corporation, Pittsburgh, Pa. Filed May 10, 1951. (Sec. 2f.)

ANTI-SHORTS

The word "Shorts" is disclaimed. Applicant claims ownership of Registration No. 266,882.
For Bushings Used for Armored Electric Conductors or Cables.
Claims use since Sept. 1, 1928.

Ser. No. 613,726. National Electric Products Corporation, Pittsburgh, Pa. Filed May 10, 1951. (Sec. 2f.)

SAFECOTE

Applicant claims ownership of Registration No. 310,378.
For Wires and Cables for Electrical Use.
Claims use since Jan. 1, 1933.

Ser. No. 617,401. Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Filed Aug. 7, 1951.

J&H

For Electric Motors; Electric Engine Starters; Electric Generators; Electric Inverters; Electric Motor Driven Actuator for Wing Flaps, Bomb Bay Doors, Bomb Bay Racks and the Like; Tachometer Generators; Voltage Regulators; Special Aircraft Electric Motors; and Magnetos.
Claims use since June 14, 1950.

Ser. No. 617,475. American Brake Shoe Company, New York, N. Y. Filed Aug. 9, 1951.

AMSCO

For Coil Shields for Lifting Magnets, Magnetic Drums for Separators, Metal Filler Bars for Magnetic Brakes, Fingers for Stator Cores, Electrode Holders and Bus-Bar Clamps for Electric Furnaces.
Claims use since October 1915.

Ser. No. 618,743. Jeffers Electronics, Inc., Dubois, Pa. Filed Sept. 13, 1951.

JCAP

For Capacitors.
Claims use since Aug. 1, 1951.

Ser. No. 619,362. Ritter Company, Inc., Rochester, N. Y. Filed Sept. 28, 1951.



Applicant claims ownership of Registrations Nos. 263,821 and 263,822.

For Electric Water Heaters and Transformers for X-Ray Machines.

Claims use since September 1949.

Ser. No. 620,308. Electronic Creations Co. Inc., New York, N. Y. Filed Oct. 22, 1951.



For Electric Phonograph Record Players and Combination Radio-Phonograph Sets.

Claims use since Aug. 15, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 601,666. Edson P. Foster, Manitowoc, Wis. Filed Aug. 3, 1950.

BOW-ZOOKA

For Sporting Apparatus for Projecting Articles Consisting of a Support To Which Is Attached Stretchable Means by Which an Arrow or Other Like Object May Be Projected Therefrom.

Claims use since July 17, 1950.

Ser. No. 609,268. Thomas Gaetan Williams, Tampa, Fla. Filed Jan. 25, 1951.

SINGO

The musical notes and lines, which form the background of the mark, are disclaimed.

For Musical Game Consisting of a Card With Printed Song Titles Thereon and as a Tune Is Played, the Card Is Punched or Suitably Marked To Indicate the Respective Title of the Song.

Claims use since Dec. 1, 1949.

Ser. No. 609,626. Bender & Ogan, Akron, Ohio. Filed Feb. 5, 1951.

TEL-O-KAST

For Sportsman's Handle Type Fish Landing Net.

Claims use since July 26, 1950.

Ser. No. 611,932. Aubrey M. Stovall, doing business as The Miracle Bait Co., Dallas, Tex. Filed Mar. 2, 1951.

MIRACLE

For Fish Bait Composed Chiefly of Cheese.

Claims use since Nov. 1, 1950.

Ser. No. 616,387. Roosevelt Savings Bank of the City of New York, Brooklyn, N. Y. Filed July 12, 1951.

TEDDY BANK

The word "Bank" is disclaimed.

For Toy Portable Savings Bank.

Claims use since Feb. 16, 1951.

Ser. No. 617,110. E-Z Playing Card Co., Quincy, Mass. Filed July 30, 1951.

E-Z

For Playing Cards.

Claims use since July 9, 1951.

Ser. No. 621,294. Wright & McGill Co., Denver, Colo. Filed Nov. 15, 1951.

"Sweetheart"

For Fishing Rods.

Claims use since Aug. 15, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 557,205. Palmer Manufacturing Corp., Phoenix, Ariz. Filed May 17, 1948.

Oasis

For Centrifugal Pump.

Claims use since Apr. 15, 1948.

Ser. No. 563,337. Earle Hart Woodworking Machine Co., Chicago, Ill. Filed Aug. 13, 1948. (Sec. 2f.)



The phrase "Standard of Comparison" is disclaimed.

For Woodworking Machinery—Namely, Sanders, Planers, Wood Scrapers, Lathes, Mortisers, Moulders, Flooring Machines and End Matchers, Saws, Spindle Carvers, Jointers, Boring Machines, Dovetailers, Boring and Chucking Machines, Hot Plate Presses, Veneer Splicers, Core Stock Machines (That Is Machines for Manufacturing Panels From Short Pieces of Lumber, Thus Providing Core Stock, and for Stacking the Completed Panels on a Truck), Glue Spreaders, Cutter-Heads, and Veneer Clippers.

Claims use since Mar. 1, 1934.

Ser. No. 577,067. Ezee Flow Corporation, Chicago, Ill., by change of name from Power Production Company. Filed Apr. 13, 1949. (Sec. 2f—Additional evidence.)

EZEE FLOW

Applicant claims ownership of Registration No. 58,227.

For Power Driven Fertilizer Spreaders and Seeders.

Claims use since February 1947.

Ser. No. 590,315. Kingsland Saw Works, Inc., Kingsland, Ga. Filed Jan. 4, 1950.



The phrase "7 in One" is disclaimed.

For Saws.

Claims use since Dec. 20, 1949.

Ser. No. 596,325. The Bradson Company, North Hollywood, Calif. Filed Apr. 26, 1950.

GRO-GUN

The word "Gun" is disclaimed.

For Garden Hose Attachment—Namely, a Sprayer for Diluting and Applying Concentrated Liquid Fertilizer, Liquid and Powdered Plant Food, and Weed Killer.

Claims use since Oct. 1, 1945.

Ser. No. 602,126. Tek Bearing Co., Inc., Bridgeport, Conn. Filed Aug. 12, 1950.



The word "Bearings" is disclaimed.

For Ball and Roller Bearings.

Claims use since Mar. 1, 1930.

Ser. No. 602,312. The Egry Register Company, Dayton, Ohio. Filed Aug. 17, 1950. (Sec. 2f.)

EGRY Kwik-Feeder

The word "Feeder" is disclaimed.

For Mechanical Device Adapted for Attachment to Typewriters Which Feeds the Work Into the Typewriters.

Claims use since Mar. 4, 1938.

Ser. No. 609,982. Nordac Limited, Uxbridge, England. Filed Feb. 12, 1951.

NORISTALTIC

Applicant claims ownership of British Registration No. 617,627, dated Jan. 20, 1942.

For Power Driven Pumps for Liquids, Particularly Glandless Pumps for Delivering Corrosive Liquids.

Ser. No. 610,228. Preco Incorporated, Los Angeles, Calif. Filed Feb. 17, 1951.

PRECO

For Back Rip Scarifiers—Namely, Back Rippers, and Parts Thereof, for Bulldozers.

Claims use since July 1, 1950.

Ser. No. 611,159. Edwin F. Walker, doing business as Whip-it Company, Dallas, Tex. Filed Mar. 10, 1951.

"Whip-it"

For Electrically Operated Lawn Edging Machines of the Rotary Cutter Type.

Claims use since Dec. 1, 1950.

Ser. No. 612,403. Lectrolite Corporation, Defiance, Ohio. Filed Apr. 9, 1951.

Lectrolite

For Box Wrenches, Combination Box and Open End Wrenches, Open End Wrenches, "Stillson" Pipe Wrenches, Pliers, Automotive Pliers, Rim Wrenches, Tire Irons, and Valve Lifting Tools.

Claims use since February 1951.

Ser. No. 612,492. Ezee Flow Corporation, Chicago, Ill. Filed Apr. 11, 1951.

PLACE ⚙ MATIC

The word "Place" is disclaimed.

For Depth Placement Fertilizer and Seeder Machines.

Claims use since October 1949.

Ser. No. 612,538. The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio. Filed Apr. 12, 1951.

Sea Flyer

The word "Sea" is disclaimed.

For Outboard Motors.

Claims use since January 1951.

Ser. No. 620,134. American Slicing Machine Company, Chicago, Ill. Filed Oct. 18, 1951.

SLICE-O-MATIC

The word "Slice" is disclaimed.

For Meat Slicing Machines.

Claims use since Aug. 23, 1951.

Ser. No. 620,135. American Slicing Machine Company, Chicago, Ill. Filed Oct. 18, 1951.

MIRA-CLEAN

The word "Clean" is disclaimed.

For Sheet Metal Knives for Use in Meat Slicing Machines.

Claims use since Aug. 23, 1951.

Ser. No. 620,474. Solar Aircraft Company, San Diego, Calif. Filed Oct. 25, 1951.

SOLARAMIC

Applicant claims ownership of Registration No. 398,416.
For Ceramic Coated Exhaust Structures for Internal Combustion Engines—Namely, Exhaust Manifolds and Parts Therefor; and for Ceramic Coated Essentially Sheet Metal Jet Engine Components — Namely, Combustion Chambers, Liners, Transition Liners, Flame Shields, and Cross-Over Tubes; and for Turbosupercharger Nozzle Boxes and Parts Therefor.
Claims use since May 18, 1951.

Ser. No. 620,975. Solar Aircraft Company, San Diego, Calif. Filed Nov. 7, 1951.

SOLARAMIC

Applicant claims ownership of Registration No. 398,416.
For Ceramic Coated Exhaust Structures for Internal Combustion Engines—Namely, Exhaust Manifolds and Parts Therefor; and for Ceramic Coated Essentially Sheet Metal Jet Engine Components—Namely, Combustion Chambers, Liners, Transition Liners, Flame Shields, and Cross-Over Tubes; and for Turbosupercharger Nozzle Boxes and Parts Therefor.
Claims use since May 18, 1951.

Ser. No. 621,280. I. J. Moritt Corporation, New York, N. Y. Filed Nov. 15, 1951.

BELL

The drawing is stippled for shading.
For Sewing Machines.
Claims use since Sept. 21, 1951.

Ser. No. 621,438. Associated Manufacturers Company, Inc., San Francisco, Calif. Filed Nov. 20, 1951.

AMICO

For Stainless Steel Table Ware—Namely, Teaspoons, Tablespoons, Forks, and Knives.
Claims use since July 31, 1951.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 597,485. Appliance Manufacturing Company, Alliance, Ohio. Filed May 16, 1950.

ACE

For Home Laundry Appliances—Namely, Washing Machines.
Claims use since May 6, 1949.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 622,545. Kingston Pencil Corporation, Chattanooga, Tenn. Filed Dec. 15, 1951.

KING-GLO

For Yardsticks and Rulers.
Claims use since Sept. 30, 1951.

Ser. No. 622,750. The Lufkin Rule Company, Saginaw, Mich. Filed Dec. 21, 1951. (Sec. 2f.)

LUCAS

For Tape Measures and Chain Tapes.
Claims use since 1885.

Ser. No. 622,795. American Prismatic Glasses Incorporated, Boston, Mass. Filed Dec. 26, 1951.

Prisma Glasses

The word "Glasses" is disclaimed.
For Prismatic Spectacles.
Claims use since Dec. 17, 1951.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 614,248. Samuel Gordon & Co., Oklahoma City, Okla. Filed May 23, 1951.

Light-O-Love

Applicant claims ownership of Registrations Nos. 280,130 and 531,506.
For Finger Rings and Mountings Therefor.
Claims use since June 1, 1930.

Ser. No. 617,820. Speidel Corporation, Providence, R. I. Filed Aug. 17, 1951.

ORESTO

For Watch Bracelets (Not Including Watches).
Claims use since June 5, 1951.

Ser. No. 617,883. Mira-Flex Watchband Corporation, New York, N. Y. Filed Aug. 20, 1951.

Mira-Flex

The notation "Flex" is disclaimed.
For Wrist Watch Bracelets.
Claims use since Feb. 7, 1951.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 603,907. Whiting-Adams Company, Inc., Boston, Mass. Filed Sept. 22, 1950.

ELKO

Applicant claims ownership of Registration No. 235,271.
For Brushes for Painting, Varnishing, or Applying Liquids.
Claims use since Aug. 1, 1911.

Ser. No. 617,160. Powers Chemco, Inc., Glen Cove, N. Y. Filed July 31, 1951.

chemco

For Artists' Brushes, Chinese Re-Etching Brushes, Glass Fibre Re-Etching Brushes, Etching Brushes, Spotting Brushes, Powdering-In Brushes, Powdering Brushes for Photoengraver's Powdering Machines, Quill Brushes, Scrubbing Brushes, Staging Brushes, Water Color Brushes, Brass Brushes, Felt Polishing Pads.
Claims use since 1938 as to the mark shown; and since Jan. 1, 1920, as to "Chemco."

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 573,601. Suchar Engineering & Sales Company, New York, N. Y. Filed Feb. 9, 1949. (Sec. 2f—Additional evidence.)

AUTO

For Rotary-Leaf Pressure Filters for Filtering Juices, Syrups, Beverages and Other Products of Food and Process Industries.
Claims use since 1923.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 567,889. Standardizd Products Company, Chicago, Ill. Filed Oct. 29, 1948. (Sec. 2f.)

SUPREME STANDARDIZD PRODUCTS

The word "Products" is disclaimed. Applicant claims ownership of Registration No. 379,833.
For Cabinets and Structural Cabinet Parts for Storage and Filing Purposes.
Claims use since October 1940.

Ser. No. 610,817. Barker Bros. Corporation, Los Angeles, Calif. Filed Mar. 5, 1951.

LEADERSHIP THROUGH MERIT

The term "Leadership Through Merit" is disclaimed.
For Upholstered Furniture Consisting of Sofas and Chairs, Mattresses and Box Springs.
Claims use since Jan. 1, 1927.

Ser. No. 617,837. Comfort Pillow & Feather Company, Somerville and Boston, Mass. Filed Aug. 18, 1951.

Sno-FOAM

The word "Foam" is disclaimed.
For Pillows.
Claims use since May 5, 1947.

Ser. No. 621,574. Peerless Steel Equipment Company, Philadelphia, Pa. Filed Nov. 23, 1951.

PEERCO

For Steel Office Furniture—Namely, Filing Cabinets, Storage Cabinets, and Card Cases.
Claims use since Nov. 7, 1931.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 570,839. Russell C. Eisentrager, Philadelphia, Pa., trading under the name Monogram Products Co. Filed Dec. 20, 1948. (Sec. 2f.)

LITE-CAST

For Sectional Refractory Furnace Casings, Particularly Used for Converting Coal Furnaces to Oil Furnaces.
Claims use since January 1934.

Ser. No. 592,549. Compagnie Pan-Europeenne d'Installations et d'Equipement Industriels S. A. R. L., Paris (Seine), France. Filed Feb. 16, 1950.

PANINDCO

Priority under Sec. 44(d). French application filed Aug. 22, 1949, Reg. No. 396,274, dated Aug. 22, 1949. Applicant claims ownership of French Registration No. 396,274, dated Aug. 22, 1949.
For Gas Generators, Regenerators, Coke Ovens, and Devolatilization Chambers for Producing Half Coke.

Ser. No. 596,174. Mitchell Manufacturing Company, Chicago, Ill. Filed Apr. 22, 1950.

dri-ductor

For Air Dehumidifying Units Used in Electrically Operated Air Conditioners.
Claims use since Dec. 15, 1949.

Ser. No. 611,806. Piatt Products Corporation, Lansing, Mich. Filed Mar. 26, 1951. (Sec. 2f.)

Piatt

For Oil-Fired Water Heaters.
Claims use since Apr. 26, 1934.

Ser. No. 613,585. The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio. Filed May 7, 1951. (Sec. 2f.)

Cleveland

For Hot Plates.
Claims use since July 1, 1902.

Ser. No. 616,664. W. W. Grainger, Inc., Chicago, Ill. Filed July 19, 1951. (Sec. 2f.)

Dayton

For Blowers, Exhaust Fans, Air Conditioners, and Heat Distributing Fans.
Claims use since Jan. 1, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 593,129. Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Filed Feb. 27, 1950. (Sec. 2f—Additional evidence.)

SUPER HI-PRESSURE

The words "Hi-Pressure" are disclaimed.
For Gasoline Hose, Distillate Hose, Tank Wagon Hose, Grease Hose, Hydraulic Brake Hose, Air Hose, Water Hose, Steam Hose, Suction Hose, Oil Hose, Molded Garden Hose, Transmission Belt, and Conveyor Belt.
Claims use since Feb. 15, 1938.

Ser. No. 606,000. The Danbury Rubber Company, Inc., Danbury, Conn. Filed Nov. 7, 1950. (Sec. 2f as to "Danbury.")

DANBURY

Applicant claims ownership of Registration No. 430,550.
For Rubber Tire Recapping or Retreading Stock (Otherwise Known as Camelback) and Tire Repair Material—Namely, Stripping Stock, Filler Strip, Padding Stock, Repair Gum, Tire Patches, Sectional Air Bags and Sectional Steam Bags and Full Circle Curing Tubes for Distending Tires or Other Objects Being Repaired, Drop Center Rim Flaps, and Truck Flaps.
Claims use since 1928 on the word "Danbury"; and since January 1947 on the mark as shown.

Ser. No. 611,976. Radiator Specialty Company, Charlotte, N. C. Filed Mar. 29, 1951. (Sec. 2f.)

SOLDER SEAL

Applicant claims ownership of Registrations Nos. 220,740, 286,370, and 408,893.
For Closet Bowl Setting Seal Rings Manufactured From Microcrystalline Waxes, Petrolatums, and Asbestos Shorts.
Claims use since July 6, 1943.

Ser. No. 614,336. The Buxbaum Company, Canton, Ohio. Filed May 25, 1951.

BUXCO

For Tire and Tube Repair Patches.
Claims use since January 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 577,148. Shellmar Products Corporation, Chicago, Ill. Filed Apr. 14, 1949.

Durofoil

For Wrapping Material—Namely, Paper Laminated to a Metallic Foil and Transparent Film Material Laminated to a Metallic Foil.
Claims use since May 17, 1948.

Ser. No. 620,952. The Barton, Duer & Koch Paper Company, Baltimore, Md. Filed Nov. 7, 1951. (Sec. 2f.)

FAIRFAX BOND

The word "Bond" is disclaimed. Applicant claims ownership of Registration No. 420,464.
For Printing Paper and Correspondence Envelopes.
Claims use since July 10, 1925.

Ser. No. 621,837. The Parker Pen Company, Janesville, Wis. Filed Nov. 29, 1951.

"21"

For Fountain Pens, Mechanical Pencils, and Pen and Pencil Desk Sets.
Claims use since Nov. 6, 1948.

Ser. No. 624,110. Swan Pencil Company, Inc., New York, N. Y. Filed Jan. 25, 1952.

Othello

For Pencils.
Claims use since January 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 555,365. Barron's Publishing Company, Inc., New York, N. Y. Filed Apr. 23, 1948.

PULSE OF INDUSTRY AND TRADE

For Section of a Weekly Publication.
Claims use since Feb. 7, 1938.

Ser. No. 609,264. Union Carbide and Carbon Corporation, New York, N. Y. Filed Jan. 25, 1951.

MODERN HOME NEWS

The word "News" is disclaimed.
For Magazine Published Periodically.
Claims use since March 1939.

Ser. No. 619,683. Signal Publications, Huntington Park, Calif. Filed Oct. 6, 1951.

Huntington Park Daily Signal

The words "Huntington Park Daily" are disclaimed. Applicant claims ownership of Registration No. 288,025.
For Newspaper Published Every Evening Except Sunday.
Claims use since Feb. 25, 1949.

CLASS 39

CLOTHING

Ser. No. 567,785. The William Hengerer Company, Buffalo, N. Y., now by merger and change of name Associated Dry Goods Corporation, a corporation of Virginia. Filed Oct. 28, 1948.

Peggy Pigtails

For Girls' Apparel Consisting of Dresses, Coats, Sweaters, Jackets, Blouses, Skirts, Bathing Suits and Slacks, Shorts, and Play Suits.
Claims use since Aug. 1, 1947.

Ser. No. 582,398. J. Schoeneman, Incorporated, Baltimore, Md. Filed June 18, 1949. (Sec. 2f.)

DUBLIN

Applicant claims ownership of Registrations Nos. 253,213 and 276,900.
For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since Sept. 15, 1927.

Ser. No. 584,369. Mylan Manufacturing Co., Inc., New York, N. Y. Filed Aug. 30, 1949.

Mylan

For Men's and Boys' Outer Shirts.
Claims use since July 1, 1937.

Ser. No. 586,243. Jack L. Honig, Inc., New York, N. Y. Filed Oct. 13, 1949.



Applicant claims ownership of Registration No. 381,204.
For Children's Dresses.
Claims use since June 1, 1939.

Ser. No. 592,619. The Enro Shirt Company, Louisville, Ky. Filed Feb. 17, 1950.

Fruit of the TONES by Enro

The word "Tones" is disclaimed. Applicant claims ownership of Registrations Nos. 162,068, 373,455, and 515,344.
For Men's Dress, Negligee, and Sport Shirts, Pajamas, and Shorts.
Claims use since June 9, 1938.

Ser. No. 594,022. Catophrene Limited, London, England. Filed Mar. 16, 1950.

CATOPHRENE

Applicant claims ownership of British Registration No. 628,910, dated Apr. 25, 1944.
For Two-Piece Suits, Three-Piece Suits, Jackets, Overcoats, Coats, for Men, Women, Boys, and Girls; Trousers and Waistcoats for Men and Boys; and Frocks and Skirts for Women and Girls.

Ser. No. 594,715. The House of Nine, Los Angeles, Calif. Filed Mar. 27, 1950.

the house of nine

For Women's Ready-to-Wear, Consisting of Suits, Dresses, Coats, Blouses, Sweaters, and Skirts.
Claims use since Jan. 6, 1943.

Ser. No. 595,613. Mutation Mink Breeders Association, Elkhorn, Wis. Filed Apr. 12, 1950.

EMBA

Applicant claims ownership of Registration No. 527,806.
For Fur Garments—Namely, Coats, Capes, Stoles, Jackets, and Neck Pieces.
Claims use since Aug. 30, 1948.

Ser. No. 597,577. John Blye, Incorporated, New York, N. Y. Filed May 17, 1950.

John Blye

The trade-mark "John Blye" at the time of first use was fanciful. It is now the name of the infant son of the president of the applicant-corporation.
For Clothing and Haberdashery for Men—Namely, Hats, Caps, Ties; Dress, Negligee and Sport Shirts; Basque Shirts, Collars, Coats, Jackets, Slacks, Underwear, Hosiery, Pajamas, Robes, Belts, Shoes, Bathing Trunks, Slippers, Scarfs; Gloves of Fabric and Leather or Combinations Thereof; Sweaters.
Claims use since Feb. 1, 1941.

Ser. No. 602,612. Sam Gerson Co., Philadelphia, Pa. Filed Aug. 23, 1950.

Mid-towner

For Men's Suits, Coats, and Overcoats.
Claims use since Sept. 1, 1949.

Ser. No. 602,751. Da Val Manufacturing Company, Kansas City, Mo. Filed Aug. 25, 1950.

Strike or Spare

For Men's, Women's, and Children's Outer Shirts.
Claims use since Oct. 1, 1948.

Ser. No. 604,960. Eagle Clothes, Inc., New York, N. Y. Filed Oct. 16, 1950.

2020

For Men's Clothing—Namely, Coats, Topcoats, and Suits.
Claims use since Aug. 2, 1948.

Ser. No. 605,183. Louis Weinberg Associates Inc., New York, N. Y. Filed Oct. 19, 1950.

Aristocrat

For Fur Felt and Velour Hats and Hat Bodies for the Use of Women and Girls.
Claims use since Apr. 1, 1948.

Ser. No. 607,084. Paul Krupp Co., Inc., New York, N. Y. Filed Nov. 29, 1950.

JOLEN

For Men's Outer Shirts.
Claims use since June 30, 1950.

Ser. No. 611,330. Wearever Shirt Co., Inc., New York, N. Y. Filed Mar. 1, 1951.

WEAREVER SHIRT
NATION'S CHOICE

The word "Shirt" and the representation of the outline of the map of the United States are disclaimed. Applicant claims ownership of Registration No. 268,171.
For Dress Shirts, Flannel Shirts, Sport Shirts, and Work Shirts for Men and Boys.
Claims use since June 1, 1926.

Ser. No. 611,930. I. A. Wyner & Co., Inc., New York, N. Y. Filed Mar. 28, 1951.

Vicalaine

by Wyner

The surname "Wyner" is disclaimed.
For Men's, Women's, and Children's Wearing Apparel—Namely, Men's, Women's, and Children's Shirts, Fabric Gloves, Mufflers, Bathing Suits, Bathrobes, Sweaters, and Shoes; and Women's and Children's Suits, Dresses, Skirts, Slacks, Blouses, Housecoats, Hostess Gowns, Negligees, Hats and Head Coverings for Women, Made in Substantial Part of Wool.
Claims use since Jan. 26, 1951.

Ser. No. 611,949. The Enro Shirt Company, Louisville, Ky. Filed Mar. 29, 1951.

LEISUAL COLLAR

The word "Collar" is disclaimed.
For Men's Dress, Negligee, and Sport Shirts, and Pajamas.
Claims use since Jan. 23, 1950.

Ser. No. 612,264. Lebanon Shirt Co., Inc., New York, N. Y. Filed Apr. 5, 1951. (Sec. 2f.)

Mac Master

Applicant claims ownership of Registration No. 408,027.
For Men's Sport and Dress Shirts; Women's Negligees and Skirts; and Men's and Women's Pajamas and Slacks.
Claims use since Jan. 28, 1938.

Ser. No. 612,424. Trenton Shirt Manufacturing Co., Trenton, N. J. Filed Apr. 9, 1951. (Sec. 2f.)

Trenton

For Work Shirts, Flannel Shirts, Sport Shirts, Dress Shirts, Jackets, Slacks, and Work Pants.
Claims use since June 1, 1925.

Ser. No. 613,074. Marsha Kay Originals, Edinburg, Tex. Filed Apr. 24, 1951.

Marsha Kay

The name "Marsha Kay" is fanciful.
For Children's Dresses.
Claims use since Dec. 10, 1950.

Ser. No. 613,670. The Hettrick Manufacturing Company, Toledo, Ohio. Filed May 9, 1951. (Sec. 2f.)

DEER KOTE

The word "Kote" is disclaimed. Applicant claims ownership of Registration No. 539,492.
For Hunting Coats and Trousers.
Claims use since April 1946.

Ser. No. 613,787. The Simon-Zucker Co., New York, N. Y. Filed May 11, 1951.

"GROSHIRT"

Applicant claims ownership of Registration No. 428,130.
For Men's, Women's, and Children's Shirts and Blouses.
Claims use since Apr. 16, 1951.

Ser. No. 613,788. The Simon-Zucker Co., New York, N. Y. Filed May 11, 1951.

"GROJAC"

Applicant claims ownership of Registration No. 428,130.
For Men's, Women's, and Children's Jackets and Coats.
Claims use since Apr. 16, 1951.

Ser. No. 614,505. Hortex Manufacturing Co., Inc., El Paso, Tex. Filed May 29, 1951.

WELDED KNEE

The word "Knee" is disclaimed.
For Boys' Dungarees.
Claims use since Apr. 17, 1951.

Ser. No. 615,150. Belk's Buying Service, Inc., Charlotte, N. C. Filed June 14, 1951.

Dixie Lad

For Boys' Wearing Apparel — Namely, Polo Shirts, Trousers, Sweaters, and Suits.
Claims use since Oct. 21, 1949.

Ser. No. 615,316. Samuel Green of California, Los Angeles, Calif. Filed June 18, 1951.

Welcome Stranger

For Maternity Clothing — Namely, Dresses, Suits, Slacks, Skirts, and Jackets.
Claims use since Dec. 1, 1947.

Ser. No. 615,932. Hortex Manufacturing Co., Inc., El Paso, Tex. Filed June 30, 1951.

PERMANEE

The word "Nee" is disclaimed.
For Boys' Slacks, Overalls, and Denim Dungarees.
Claims use since May 15, 1951.

Ser. No. 616,517. Stardust, Incorporated, Poughkeepsie and New York, N. Y. Filed July 14, 1951.

Stardust

Applicant claims ownership of Registrations Nos. 235,931, 391,172, and 416,187.
For Slips, Girdles, Garter Belts, and Baby Pants.
Claims use since Nov. 6, 1935.

Ser. No. 617,189. Garden Foundations, Inc., New York, N. Y. Filed Aug. 1, 1951.

STARTLING

For Brassières, Garter Belts, Girdles, and Waist Cinchers.
Claims use since June 8, 1951.

Ser. No. 617,449. Malhame Sewing Company, Milford, Pa. Filed Aug. 8, 1951.

Abbey

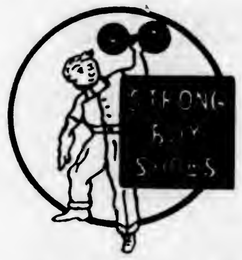
For Articles of Religious Clothing—Namely, Surplices, Cassocks, Windsor Ties, Capes and Sashes, Albs, Dalmatics, Chasubles, Stoles, Rockets, and Veils, for Boys, Girls, Men, and Women.
Claims use since Dec. 13, 1950.

Ser. No. 617,556. Charles Salvato & Co., Brooklyn, N. Y. Filed Aug. 10, 1951.

PORTLITE UNIFORM

The word "Uniform" is disclaimed. Applicant claims ownership of Registrations Nos. 287,864, 377,786, and 432,527.
For Men's Naval Uniforms.
Claims use since May 4, 1931.

Ser. No. 618,588. Littles Shoe Store, Pittsburgh, Pa. Filed Sept. 10, 1951.



The word "Shoes" is disclaimed. The picture of a boy is fanciful.
For Men's and Boys' Shoes.
Claims use since August 1948.

Ser. No. 618,758. The Pioneer Rubber Company, Willard, Ohio. Filed Sept. 13, 1951.

KAYAK

For Children's Gloves and Mittens Made of Rubberized Fabric or Plastic Coated Fabric.
Claims use since July 2, 1951.

Ser. No. 619,205. The Frank H. Lee Company, Danbury, Conn. Filed Sept. 25, 1951.

The Chanticleer

For Men's and Boys' Hats and Caps.
Claims use since Aug. 14, 1951.

Ser. No. 620,411. H. Freeman & Son, Inc., Philadelphia, Pa. Filed Oct. 24, 1951.

NATURALAIRE

For Men's Suits, Trousers, Sport Coats, and Outercoats.
Claims use since Oct. 8, 1951.

Ser. No. 621,050. Belmont Clothes, Inc., Baltimore, Md. Filed Nov. 9, 1951.

Saber

For Men's and Young Men's Suits, Trousers, Slacks, Outer Shirts, Sport Coats, Dress Coats, Jackets, Leisure Coats, and Leisure Shirts.
Claims use since July 10, 1951.

Ser. No. 621,093. Webster Company, Inc., Scranton, Pa. Filed Nov. 9, 1951.

DURATIZED

For Men's and Boys' Trousers and Slacks.
Claims use since Nov. 8, 1951.

Ser. No. 621,314. Hat Corporation of America, Norwalk, Conn. Filed Nov. 16, 1951.

CROFUT & KNAPP

Applicant claims ownership of Registrations Nos. 66,857, 176,268, and others.
For Hats and Caps for Men and Hats for Women.
Claims use since 1858.

Ser. No. 621,454. David D. Doniger & Co. Inc., New York, N. Y. Filed Nov. 20, 1951.

DUFFLE BAG

For Men's and Boys' Wearing Apparel—Namely, Trousers and Slacks.
Claims use since Sept. 1, 1951.

Ser. No. 621,582. J. Schoeneman, Inc., Baltimore, Md. Filed Nov. 23, 1951.

Hammer 'N Nails

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since Nov. 13, 1951.

Ser. No. 621,776. Marlboro Shirt Company, Inc., Baltimore, Md. Filed Nov. 28, 1951.

Up'n Over

For Men's and Boys' Dress and Sport Shirts.
Claims use since Oct. 22, 1951.

Ser. No. 621,890. The Manhattan Shirt Company, New York, N. Y. Filed Nov. 30, 1951.

MANSMOOTH

For Men's Outer Shirts.
Claims use since Aug. 30, 1951.

Ser. No. 622,674. Newark Slip Contracting Co., Inc., also doing business under the trade name of Cadence Lingerie Co., Newark, N. J. Filed Dec. 19, 1951.

Cadence

For Women's Apparel—Namely, Slips, Half Slips, Petticoats, Camisoles, Shorty Gowns, and Night Gowns.
Claims use since Dec. 19, 1950.

Ser. No. 623,275. Golden Girl Frocks, Inc., New York, N. Y. Filed Jan. 7, 1952.

Golden Girl

Applicant claims ownership of Registration No. 383,623.
For Children's and Girls' Dresses.
Claims use since August 1938.

Ser. No. 624,307. Shirma Boyswear Mfg. Co., Inc., Mount Vernon, N. Y. Filed Jan. 30, 1952.

SHIRMA

For Boys' Clothing—Namely, Trousers, Shirts, Suits, Coats, Hats, Caps, Overalls, and Jackets.
Claims use since Jan. 3, 1952.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 562,283. Stylofede Corporation, Glendale, Calif. Filed July 27, 1948.

WINDSOR

For Hand Knitting Needles.
Claims use since April 1948.

Ser. No. 575,608. Supply Manufacturing Co. Inc., New York, N. Y. Filed Mar. 17, 1949.

LAVORIZED

For Belting in the Nature of Findings.
Claims use since Jan. 10, 1949.

Ser. No. 591,934. I. B. Kleinert Rubber Company, New York, N. Y. Filed Feb. 3, 1950. (Sec. 2f.)

E-ZE-ON

Applicant claims ownership of Registration No. 39,558.
For Dress Shields.
Claims use since 1901.

Ser. No. 595,929. The American Fabrics Company, Bridgeport, Conn. Filed Apr. 19, 1950.

AFC

Applicant claims ownership of Registration No. 155,596.
For Laces, Embroideries, and Narrow Woven Fabrics, All in the Nature of Findings Intended To Be Utilized in the Fabrication of Clothing and Piece Goods.
Claims use since July 1923.

Ser. No. 611,060. I. B. Kleinert Rubber Company, New York, N. Y. Filed Feb. 15, 1951. (Sec. 2f—Additional evidence.)

GARMENT GRIPPER

Applicant claims ownership of Registration No. 384,045.
For Waist Band Devices Made of Rubber for Holding Garments in Position on the Wearer.
Claims use since Jan. 1, 1939.

Ser. No. 612,051. I. B. Kleinert Rubber Company, New York, N. Y. Filed Feb. 15, 1951. (Sec. 2f—Additional evidence.)

PIN-IT

Applicant claims ownership of Registration No. 372,260.
For Dress Shields.
Claims use since July 25, 1938.

Ser. No. 614,887. McGee & Willig, St. Paul, Minn. Filed June 7, 1951.

BO-DU

For Device for Winding Decorative Ribbon Into Hanks.
Claims use since Nov. 16, 1950.

Ser. No. 621,776. Marlboro Shirt Company, Inc., Baltimore, Md. Filed Nov. 28, 1951.

Up'n Over

For Men's and Boys' Dress and Sport Shirts.
Claims use since Oct. 22, 1951.

Ser. No. 621,890. The Manhattan Shirt Company, New York, N. Y. Filed Nov. 30, 1951.

MANSMOOTH

For Men's Outer Shirts.
Claims use since Aug. 30, 1951.

Ser. No. 622,674. Newark Slip Contracting Co., Inc., also doing business under the trade name of Cadence Lingerie Co., Newark, N. J. Filed Dec. 19, 1951.

Cadence

For Women's Apparel—Namely, Slips, Half Slips, Petticoats, Camisoles, Shorty Gowns, and Night Gowns.
Claims use since Dec. 19, 1950.

Ser. No. 623,275. Golden Girl Frocks, Inc., New York, N. Y. Filed Jan. 7, 1952.

Golden Girl

Applicant claims ownership of Registration No. 383,623.
For Children's and Girls' Dresses.
Claims use since August 1938.

Ser. No. 624,307. Shirma Boyswear Mfg. Co., Inc., Mount Vernon, N. Y. Filed Jan. 30, 1952.

SHIRMA

For Boys' Clothing—Namely, Trousers, Shirts, Suits, Coats, Hats, Caps, Overalls, and Jackets.
Claims use since Jan. 3, 1952.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 562,283. Stylofede Corporation, Glendale, Calif. Filed July 27, 1948.

WINDSOR

For Hand Knitting Needles.
Claims use since April 1948.

Ser. No. 575,608. Supply Manufacturing Co. Inc., New York, N. Y. Filed Mar. 17, 1949.

LAVORIZED

For Belting in the Nature of Findings.
Claims use since Jan. 10, 1949.

Ser. No. 591,934. I. B. Kleinert Rubber Company, New York, N. Y. Filed Feb. 3, 1950. (Sec. 2f.)

E-ZE-ON

Applicant claims ownership of Registration No. 39,558.
For Dress Shields.
Claims use since 1901.

Ser. No. 595,929. The American Fabrics Company, Bridgeport, Conn. Filed Apr. 19, 1950.

AFC

Applicant claims ownership of Registration No. 155,596.
For Laces, Embroideries, and Narrow Woven Fabrics, All in the Nature of Findings Intended To Be Utilized in the Fabrication of Clothing and Piece Goods.
Claims use since July 1923.

Ser. No. 611,060. I. B. Kleinert Rubber Company, New York, N. Y. Filed Feb. 15, 1951. (Sec. 2f—Additional evidence.)

GARMENT GRIPPER

Applicant claims ownership of Registration No. 384,045.
For Waist Band Devices Made of Rubber for Holding Garments in Position on the Wearer.
Claims use since Jan. 1, 1939.

Ser. No. 612,051. I. B. Kleinert Rubber Company, New York, N. Y. Filed Feb. 15, 1951. (Sec. 2f—Additional evidence.)

PIN-IT

Applicant claims ownership of Registration No. 372,260.
For Dress Shields.
Claims use since July 25, 1938.

Ser. No. 614,887. McGee & Willig, St. Paul, Minn. Filed June 7, 1951.

BO-DU

For Device for Winding Decorative Ribbon Into Hanks.
Claims use since Nov. 16, 1950.

Ser. No. 620,394. The Patent Button Company, Waterbury, Conn. Filed Oct. 24, 1951.

Flexo Buttons

The word "Buttons" is disclaimed. Applicant claims ownership of Registration No. 249,488.
For Buttons of Non-Precious Metal.
Claims use since Sept. 28, 1951.

Ser. No. 620,434. The Patent Button Company, Waterbury, Conn. Filed Oct. 24, 1951.

Super-Flexo Buttons

The word "Buttons" is disclaimed. Applicant claims ownership of Registration No. 249,488.
For Buttons of Non-Precious Metal.
Claims use since Sept. 28, 1951.

Ser. No. 620,669. H. Goodman & Sons, Inc., Jersey City, N. J., and New York, N. Y. Filed Oct. 30, 1951. (Sec. 2f.)

Kant-Slip

Applicant claims ownership of Registration No. 286,212.
For Combs.
Claims use since June 24, 1930.

Ser. No. 621,205. Dorothy Flicek Industries, Inc., Chicago, Ill. Filed Nov. 14, 1951.

CRAFT HOUSE

For Kits Containing Thread, Yarn, Textile, and Other Materials Intended for Use in the Making of Dolls and Other Novelties.
Claims use since Sept. 25, 1951.

Ser. No. 621,670. Julian Seth Kahn, doing business as "Wink" Needle Threader Company, Brooklyn, N. Y. Filed Nov. 26, 1951.

"WINK"

For Needle Threaders.
Claims use since June 1945.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 608,154. John William Forsyth, doing business under the firm name and style of John Forsyth and Company, Glasgow, Scotland. Filed Dec. 28, 1950.

DROOKO

Applicant claims ownership of British Registration No. 687,439, dated Mar. 20, 1950.
For Umbrellas, Parasols, and Parts of and Fittings for All Such Goods.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 608,134. The Weiss & Klau Co., New York, N. Y. Filed Dec. 27, 1950.

FLEXICLOTH

For Latex Coated Cloth Used for Shelving; Edging; Chair Pads, Cushions, Backs and Slip-Ons; and Table Covering; All for Household Use.
Claims use since Apr. 14, 1950.

Ser. No. 610,247. Verney Corporation, Manchester, N. H. Filed Jan. 18, 1951.

Caprice

For Piece Goods (Including Faille) of Silk, and/or Rayon.
Claims use since June 17, 1933.

Ser. No. 610,659. American Air Filter Company, Inc., Louisville, Ky. Filed Mar. 1, 1951.

AIRMAT

Applicant claims ownership of Registrations Nos. 524,158, 532,728, and 553,031.
For Rolls of Air Filter Cloth Used for Mechanical Dry-Type Ventilating Air Filters of the Portable Cell, Foldable Frame, and Stationary Pocket Types.
Claims use since January 1928.

Ser. No. 623,316. Ronley Floating Blanket Co., New York, N. Y. Filed Jan. 8, 1952.

Floating Blanket

The word "Blanket" is disclaimed.
For Baby's Crib Cover.
Claims use since May 1, 1944.

Ser. No. 623,415. Archibald Holmes & Son, Philadelphia, Pa. Filed Jan. 10, 1952.

Crusader

For Wilton, Axminster, and Velvet Carpets and Rugs.
Claims use since Dec. 28, 1951.

Ser. No. 624,234. Archibald Holmes & Son, Philadelphia, Pa. Filed Jan. 29, 1952.

Accord

For Wilton, Axminster, and Velvet Carpets and Rugs.
Claims use since Dec. 28, 1951.

Ser. No. 624,411. Archibald Holmes & Son, Philadelphia, Pa. Filed Feb. 1, 1952.

Carondel

For Wilton, Axminster, and Velvet Carpets and Rugs.
Claims use since Jan. 8, 1952.

Ser. No. 624,412. Archibald Holmes & Son, Philadelphia, Pa. Filed Feb. 1, 1952.

Valor

For Wilton, Axminster, and Velvet Carpets and Rugs.
Claims use since Jan. 8, 1952.

Ser. No. 625,232. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

Deerie

For Infants' Blankets.
Claims use since Mar. 14, 1946.

Ser. No. 625,233. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

Fido

For Infants' Blankets.
Claims use since Feb. 21, 1939.

Ser. No. 625,234. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

Frolic

For Infants' Blankets.
Claims use since May 29, 1951.

Ser. No. 625,235. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

Hefty

For Infants' Blankets.
Claims use since Sept. 8, 1931.

Ser. No. 625,244. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

Slumberland

For Infants' Blankets.
Claims use since Dec. 1, 1936.

Ser. No. 625,245. Anderson, Clayton & Co., Houston, Tex. Filed Feb. 20, 1952.

Sweetheart

For Infants' Blankets.
Claims use since Jan. 18, 1928.

Ser. No. 625,299. Shirley Fabrics Corp., New York, N. Y. Filed Feb. 20, 1952.

SAILFUL

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres and Mixtures Thereof.
Claims use since Mar. 5, 1951.

Ser. No. 625,371. Shirley Fabrics Corp., New York, N. Y. Filed Feb. 21, 1952.

COOLSAIL

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres and Mixtures Thereof.
Claims use since Mar. 26, 1951.

Ser. No. 625,432. National Mallinson Fabrics Corporation, New York, N. Y., assignor to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. Filed Feb. 23, 1952.

DASHAWAY

Applicant claims ownership of Registration No. 297,884.
For Fabrics in the Piece of Synthetic Fibers.
Claims use since Apr. 24, 1932.

CLASS 43

THREAD AND YARN

Ser. No. 621,153. Lily Mills Company, Shelby, N. C. Filed Nov. 13, 1951.

Sugar-n-Cream

The word "Cream" is disclaimed.
For Cotton Yarn, Crochet and Knitting Yarn, Rug Yarn, and Embroidery Yarn.
Claims use since Jan. 1, 1934.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 542,462. Ginger Mint Julep Company, Baltimore, Md. Filed Nov. 26, 1947. (Sec. 2f—Additional evidence.)

GINGER-MINT JULEP

Applicant claims ownership of Registrations Nos. 248,634, 397,607, and others.
For Maltless Soft Drink and Syrup Concentrates for Use in Making Said Soft Drinks.
Claims use since May 10, 1922.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 529,853. Armour and Company, Chicago, Ill. Filed July 29, 1947.

GEORGIA PEACH

The word "Georgia" is disclaimed. Applicant claims ownership of Registration No. 25,029.
For Hams, Bacon and Sausage.
Claims use since Dec. 24, 1935.

Ser. No. 534,693. John W. Taylor Packing Company, Inc., Hallwood, Va. Filed Sept. 16, 1947. (Sec. 2f.)

TAYLOR'S

For Canned Vegetables.
Claims use since September 1903.

Ser. No. 541,667. Albert F. Goetze, Incorporated, Baltimore, Md. Filed Nov. 19, 1947. (Sec. 2f.)



For Meat Products—Namely, Sugar Cured Hams.
Claims use since Mar. 21, 1921.

Ser. No. 541,868. Miller Food Products Company, Inc., Sturgeon Bay, Wis. Filed Nov. 20, 1947.

FRUITLAND

For Canned Fruits, Jellies, Jams, Fruit Preserves, Cherry Juice, Fruit Butters, and Fresh Strawberries.
Claims use since 1934.

Ser. No. 544,658. Federal Nut Co. Inc., New York, N. Y. Filed Oct. 22, 1947. (Sec. 2f.)

Cocksfull o' Nuts

The word "Nuts" is disclaimed. Applicant claims ownership of Registrations Nos. 220,600 and 399,446.
For Shelled Nuts.
Claims use since December 1922.

Ser. No. 550,892. The O. P. Baur Confectionery Company, Denver, Colo. Filed Mar. 1, 1948. (Sec. 2f—Additional evidence.)

Frenchmint

Applicant claims ownership of Registration No. 306,940.
For Mint Flavored Candies.
Claims use since Apr. 1, 1932.

Ser. No. 555,287. Mother's Cake & Cookie Co., Oakland, Calif. Filed Apr. 22, 1948.

MOTHER'S

For Cookies, Crackers, Cake.
Claims use since June 1, 1914.

Ser. No. 560,896. Istituto Nazionale per il Commercio Estero, Rome, Italy. Filed July 8, 1948. CERTIFICATION MARK.



The words "Marchio Nazionale" are disclaimed. Applicant claims ownership of Italian Registration No. 35,291 dated Nov. 6, 1927.
For Chestnuts; Dried Fruits, Canned Fruits and Fruits Preserved in Brine; Fresh Citrus Fruits — Namely, Oranges, Tangerines, Lemons, Citrons, Grapefruit, and Clementine; Fresh Apricots, Cherries, Apples, Pears, Peaches, Plums, Grapes, Bananas, Raspberries, Blueberries, Mulberries, Gooseberries, Strawberries, and Kakies; Canned and Fresh Vegetables; Cheese; Prepared and Canned Edible Meat—Namely, Hams and Sausages; Canned or Salted Fish—Namely, Hors d'Oevres, Tuna, Anchovies, and Eels; Sweet Products—Namely, Pastry, Biscuits, and Cakes; Alimentary Paste; Olive Oil; Tomato Sauce; Cereals—Namely, Wheat, Corn, Rye, Barley, and Rice.

Ser. No. 570,348. Zion Industries, Inc., Zion, Ill. Filed Dec. 10, 1948. (Sec. 2f.)

Zion

Applicant claims ownership of Registrations Nos. 418,658, 420,961, and others.
For Candy, Bakers' Confections—Namely, Cookies, Cake Kisses, Macaroons, and Cakes With Candy Fillings and Toppings; and Prepared Frozen Pastry Dough—Namely, Pie Dough and Cookie Dough.
Claims use since 1902.

Ser. No. 576,668. Superior Brands, Inc., New York, N. Y. Filed Apr. 5, 1949.

DO-VEL

The word "Do" is disclaimed.
For Product Containing Processed Cereal, Wheat Flour, Cereal Gum Fractions, Lecithin, and Super-Glycerinated Oils Used by the Baking Trade for Stabilizing and Emulsifying Dough.
Claims use since July 1947.

Ser. No. 577,500. Swiss-American Importing Co., St. Louis, Mo. Filed Apr. 21, 1949.

Party-Life

For Cheese, Herring in Wine Sauce, Mushroom Caps in Cans and Bottles, Salad Avocados in Cans and Bottles, Olives, and Salad Dressing.
Claims use since Apr. 4, 1949.

Ser. No. 578,574. Dairy Belle Foods, Inc., Chicago, Ill. Filed May 11, 1949.

dairy belle

The word "Dairy" is disclaimed.
For Spray Process Nonfat Dry Milk Solids, Roller Process Nonfat Dry Milk Solids, and Spray Whole Milk Powder.
Claims use since Apr. 15, 1949.

Ser. No. 581,285. John Penny & Sons, Limited, Ramea, Newfoundland. Filed June 29, 1949.

CARIBOU

For Fresh Frozen, Smoked Frozen, Salted, and Canned Whole Fish and Parts Thereof, Including Fish Steaks and Fish Fillets; Fresh Frozen and Canned Lobsters and Lobster Meat.
Claims use since June 1, 1929; and was first used in commerce between Newfoundland and the United States on Nov. 19, 1943.

Ser. No. 581,286. John Penny & Sons, Limited, Ramea, Newfoundland. Filed June 29, 1949.



The words "Brand" and "Products" are disclaimed.
For Fresh Frozen and Smoked Frozen Whole Fish and Parts Thereof, Including Fish Fillets, Fish Steaks, Fish Cheeks, and Fish Tongues; Fresh Frozen Scallops and Fresh Frozen Lobster Meat.
Claims use since Nov. 19, 1943; and was first used in commerce between Newfoundland and the United States on Nov. 19, 1943.

Ser. No. 587,913. Shedd-Bartush Foods, Inc., Detroit, Mich. Filed Nov. 16, 1949.

Key-Bake

The syllable "Bake" is disclaimed. Applicant claims ownership of Registration No. 142,681.
For Oleomargarine.
Claims use since Aug. 8, 1949.

Ser. No. 589,353. Wilkin & Sons Limited, Tiptree, Essex, England, Filed Dec. 14, 1949. (Sec. 2f—Additional evidence.)

TIPTREE

For Fruit Conserves, Jams, Marmalades, Preserved Fruits, Fruit Preserves, and Vegetable Preserves and Honey and Chutney.
Claims use since 1904; and first used in commerce between the United Kingdom and the United States in 1927.

Ser. No. 593,223. M. H. Greenebaum, Inc., New York, N. Y. Filed Mar. 1, 1950.



The word "Danish" is disclaimed.
For Hams and Bacon.
Claims use since Feb. 27, 1950.

Ser. No. 594,694. Conservas Cerqueira, Limitada, Vigo, Spain. Filed Mar. 27, 1950.



The expression "Pay-Pay" is the Spanish name for a hand fan of peculiar contour used largely in the Far East. Applicant claims ownership of Spanish Registration No. 225,367, dated Nov. 2, 1949.
For Canned Fish.

Ser. No. 600,332. Grand Duchess Steaks, Inc., Akorn, Ohio. Filed July 7, 1950.

GRAND DUCHESS

For Frozen Raw Beef Steaks.
Claims use since June 20, 1949.

Ser. No. 604,778. The Grand Union Company, New York, N. Y. Filed Oct. 12, 1950.

Nancy Lynn

The name "Nancy Lynn" is fanciful.
For Bakery Products—Namely, Rolls, Buns, Doughnuts, Cakes, and Dessert Cups.
Claims use since March 1947.

Ser. No. 605,565. Tiedemann & McMorran, Inc., San Francisco, Calif. Filed Oct. 28, 1950.

Chef's Choice

For Canned Fruits, Canned Vegetables, Canned Soups, Canned Mushroom Sauce, Canned Fish, Canned Italian Style Ravioli, Canned Mushrooms, Canned Pork and Beans, and Sauce for Use on Meats, Fish, Game, or Salads.
Claims use since 1926.

Ser. No. 605,862. Ernest E. Lindsey, Los Angeles, Calif. Filed Nov. 3, 1950.



The word "Do-Nets" is disclaimed.
For Prepared Doughnut Mix.
Claims use since February 1945.

Ser. No. 607,422. Felix Fabrieken N. V., The Hague, Netherlands. Filed Dec. 8, 1950.



Applicant claims ownership of Dutch Registration No. 105,312, dated June 21, 1950.
For Cat and Dog Food.

Ser. No. 607,435. Maria Pons Nicoux de Degetau, trading as Productos Marpe, San Luis Potosi, S. L. P., Mexico. Filed Dec. 8, 1950.



The representation of the girl is fanciful. Applicant claims ownership of Mexican Registration No. 52,758, dated June 26, 1946.
For Mole, a Mexican Dish Consisting of Red Pepper and Seasoning; Peppers, Ground in Powdered and Paste Form; Moles in Powdered and Paste Form; Specially Prepared Flour To Make Tamales; Specially Prepared Flour To Prepare Atoles, a Gruel Made by Boiling Corn in Water and in Milk.

Ser. No. 608,342. Charlotte Charles, Inc., Evanston, Ill. Filed Jan. 4, 1951.

trandiocas

For Confections in the Nature of Cookies.
Claims use since May 4, 1950.

Ser. No. 609,425. Vimco Macaroni Products Company, Carnegie, Pa. Filed Jan. 30, 1951.

ZIG-MAC

For Macaroni.
Claims use since June 7, 1950.

Ser. No. 611,430. Knudsen Creamery Co. of California, Los Angeles, Calif. Filed Mar. 16, 1951. (Sec. 2f.)

Knudsen

For Dairy Products—Namely, Fluid Milk, Fluid Cream, Half Cream and Half Milk, Chocolate Flavored Drink Consisting Principally of Fluid Milk, Buttermilk, Cottage Cheese, and Sour Cream.
Claims use since June 1, 1919.

Ser. No. 611,435. Knudsen Creamery Co. of California, Los Angeles, Calif. Filed Mar. 16, 1951.



The drawing is lined for brown and orange. The representation of a girl is fanciful.
For Dairy Products—Namely, Chocolate Flavored Drink Consisting Mainly of Fluid Milk.
Claims use since Oct. 24, 1941.

Ser. No. 612,048. Wilbur-Ellis Company, San Francisco, Calif. Filed Mar. 30, 1951.

REYMAR

The Spanish word "Reymar" is the English equivalent of "King of the Sea."
For Frozen Fresh Shrimp.
Claims use since Nov. 29, 1950.

Ser. No. 613,682. Pictsweet Foods, Inc., sometimes doing business under the trade style Bozeman Canning Co., Mount Vernon, Wash. Filed May 9, 1951.

Brentwood

For Canned Peas.
Claims use since July 22, 1942.

Ser. No. 616,823. Houston Packing Company, Houston, Tex. Filed July 23, 1951.

Texana

For Bacon.
Claims use since Feb. 1, 1951.

Ser. No. 616,866. Pecheries Conserveries les Voiles Blanches, Agadir, French Morocco. Filed July 24, 1951.

NOAH'S ARK

Applicant claims ownership of French Moroccan Registration No. 10,020, dated Apr. 16, 1951.

Ser. No. 617,955. Emmental Cheese Corporation, New York, N. Y. Filed Aug. 22, 1951.

ALPINE MAID

Applicant claims ownership of Registration No. 263,134.
For Cheese.
Claims use since June 7, 1929.

Ser. No. 617,956. Emmental Cheese Corporation, New York, N. Y. Filed Aug. 22, 1951.

ALPINE SHEIK

Applicant claims ownership of Registration No. 241,142.
For Cheese.
Claims use since Nov. 30, 1927.

Ser. No. 617,998. National Dairy Products Corporation, New York, N. Y. Filed Aug. 23, 1951.

ZIP-WHIPT

The word "Whipt" is disclaimed.
For Whipped Cream Mixture Packed in Gas-Charged Cans.
Claims use since March 1950.

Ser. No. 618,479. Blue Jay Food Products Co., Inc., Brooklyn, N. Y. Filed Sept. 7, 1951.



Lord Byron

The term "Lord Byron" identifies the English author who lived between 1788 and 1824, and the portrait is intended to be a representation of the deceased author.
For Cookies.
Claims use since July 30, 1951.

Ser. No. 618,817. Rockingham Poultry Marketing Co-Operative, Inc., Broadway, Va. Filed Sept. 14, 1951. (Sec. 2f.)

ROCKINGHAM

Applicant claims ownership of Registration No. 525,763.
For Fresh Dressed Poultry and Frozen Poultry.
Claims use since 1940.

Ser. No. 622,436. Hammond Ice Cream Co., Inc., Malden, Mass. Filed Dec. 13, 1951.

BAN-ZUKA

For Frozen Confections on a Stick.
Claims use since Dec. 1, 1951.

Ser. No. 623,125. Brock Candy Company, Chattanooga, Tenn. Filed Jan. 3, 1952.

MAGNOLIA

For Marshmallows.
Claims use since 1920.

Ser. No. 623,310. Knotty Pine Food Products, Centerville, Iowa. Filed Jan. 8, 1952.

Knotty Pine

For Condensed Burnt Sugar Syrup.
Claims use since Dec. 13, 1951.

Ser. No. 623,487. S. B. Thomas, Inc., Long Island City, N. Y. Filed Jan. 11, 1952.



Applicant claims ownership of Registration No. 336,401.
For Muffins and Bread.
Claims use since Mar. 13, 1933.

Ser. No. 624,344. M & R Dietetic Laboratories, Inc., doing business as Ten-B-Low Company, Columbus, Ohio. Filed Jan. 31, 1952.

PREAM

For Dried and Powdered Cows' Milk Cream for General Table and Culinary Uses.
Claims use since Jan. 1, 1952.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 570,702. William Gretz Brewing Co., Philadelphia, Pa. Filed Dec. 17, 1948. (Sec. 2f.)

Gretz Beer



The representation of the cyclist is fanciful. The words "Beer," "Made the Old-Fashioned Way," "Slowly," and "Naturally" are disclaimed.
For Beer.
Claims use since 1937.

Ser. No. 611,860. Jacob Ruppert, New York, N. Y. Filed Mar. 27, 1951.



The portrait is fanciful. Applicant claims ownership of Registrations Nos. 86,002, 208,875, and others.
For Beer.
Claims use since Feb. 26, 1951.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 618,038. G. F. Heublein & Bro., Inc., Hartford, Conn. Filed Aug. 24, 1951.

BREATHLESS

For Vodka.
Claims use since July 31, 1951.

Ser. No. 619,602. Chisholm & Co., Glasgow, Scotland. Filed Oct. 5, 1951.

"NO NAME"

Applicant claims ownership of British Registration No. 693,116, dated Oct. 18, 1950.
For Scotch Whiskey.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 560,597. Asten-Hill Mfg. Co., Philadelphia, Pa. Filed July 2, 1948. (Sec. 2f.)

Asten

For Felts for Paper Machinery, Felts for Fabric Processing Machinery, Fabric Press Pads Employed as Cushions or Pads in Platen Presses, and Fabric Aprons for Laundry Drying and Ironing Machines.
Claims use since January 1924.

Ser. No. 560,598. Asten-Hill Mfg. Co., Philadelphia, Pa. Filed July 2, 1948.



For Felts for Paper Machinery, Felts for Fabric Processing Machinery, Fabric Press Pads Employed as Cushions or Pads in Platen Presses, and Fabric Aprons for Laundry Drying and Ironing Machines.
Claims use since January 1924.

Ser. No. 565,644. N. S. Meyer, Inc., New York, N. Y. Filed Sept. 22, 1948. (Sec. 2f—Additional evidence.)



For Campaign Ribbon Bars.
Claims use since January 1946.

Ser. No. 572,251. Nels Irwin, doing business as Coast Industries, Los Angeles, Calif. Filed Jan. 15, 1949.

FLOK KRAFT

The word "Flok" is disclaimed.
For Kits Containing Floculent Material, Adhesive, and Applicator Gun, for Use in Producing Simulated Velour Surfaces.
Claims use since July 6, 1947.

Ser. No. 590,242. Towsley, Inc., Indianapolis, Ind. Filed Dec. 31, 1949.

Three Little Squirts

For Kit Containing Laundry Equipment, Specifically, Soap, Clothes Line, and Clothespins.
Claims use since Sept. 7, 1949.

Ser. No. 610,753. Metalcraft, Inc., Mason City, Iowa. Filed Mar. 2, 1951.

Autographs

For Adhesive-Backed Marking Plates Made of Metal, Used as Advertising Signs.
Claims use since Nov. 15, 1950.

Ser. No. 612,836. W. L. Stensgaard and Associates, Inc., Chicago, Ill. Filed Apr. 18, 1951.

CRYSTA-TUF

The word "Tuf" is disclaimed. Applicant claims ownership of Registration No. 547,246.
For Display Devices Principally in the Form of Figures or Figurines Formed of Plastic.
Claims use since Feb. 15, 1951.

Ser. No. 614,642. Färberei Schlieren A.-G., Zurich and Schlieren, Switzerland. Filed June 1, 1951.

FLEXARMIT

For Imitation Leather, Impregnated Fabrics Resembling Imitation Leather, and Tarpaulins.
Claims use since Feb. 1, 1946, in Switzerland; and since June 1, 1948, in commerce between Switzerland and the United States.

Ser. No. 619,936. The General Tire & Rubber Company, Akron, Ohio. Filed Oct. 12, 1951.

Velvair

For Sponge Rubber Carpet Cushions.
Claims use since Aug. 24, 1951.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 603,163. Princess Pat, Ltd., Chicago, Ill. Filed Sept. 5, 1950.

KUTI FIRMA

Applicant claims ownership of Registration No. 273,942.
For Cream Used for Cleansing the Skin, as a Base for Powder, for Treating Rough or Chapped Skin, and as a Finishing Cream for After Shaving.
Claims use since 1915.

Ser. No. 603,610. R. Demuth, Limited, Farnham, England. Filed Aug. 31, 1950.

Frozoclone

Applicant claims ownership of British Registration No. 366,162, dated Feb. 27, 1915.
For Solid Eau de Cologne.

Ser. No. 610,560. Hygiene Research, Inc., New York, N. Y. Filed Feb. 27, 1951.

VEREX

For Protective Cream for Application and Rubbing Into the Hands.
Claims use since Apr. 21, 1950.

Ser. No. 610,987. Parfums Forvil & Dentifrices du Docteur Pierre Reunis, Societe Anonyme, doing business as Forvil, Nanterre, France. Filed Mar. 7, 1951.

EQUIVOQUE

Applicant claims ownership of French Registration No. 340,860.
For Perfumes, Perfume Extracts, Toilet Water, Hand and Skin Lotions, Powders, Rouge.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 591,654. The Procter & Gamble Company, Cincinnati, Ohio. Filed Jan. 27, 1950. (Sec. 2f.)

SNOW

Applicant claims ownership of Registrations Nos. 187,434 and 279,586.
For Soap in Comminuted Form.
Claims use since 1918.

Ser. No. 602,068. Rilling Company, New York, N. Y., now by change of name The Rilling-Dermetics Company. Filed Aug. 10, 1950.

Rill-O-Whip

The word "Whip" is disclaimed. Applicant claims ownership of Registration No. 344,607.

For Hair Shampoo.

Claims use since Aug. 2, 1950.

Ser. No. 603,226. Fischer Industries, Inc., Cincinnati, Ohio. Filed Sept. 7, 1950.

RINSALENE

For Rinsing and Cleaning Solvent for Removing Carbon, Wax Gum, Oil, Tar and the Like From Metallic Parts.

Claims use since Dec. 16, 1949.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 583,327. Edgar E. Brosius Company Inc., Pittsburgh, Pa., now by change of name Salem-Brosius, Inc., a corporation of Pennsylvania. Filed Aug. 11, 1949. (Sec. 2f.)

BROSIUS

For Engineering Services Rendered to Others in the Design and Layout of Industrial Plant Facilities.

Claims use since May 1912.

Ser. No. 596,528. Sigma Chi Fraternity, Evanston, Ill. Filed Apr. 28, 1950. COLLECTIVE MARK.



Applicant claims ownership of Registration No. 218,796.

For the Stimulation and Maintenance of Interest in College and Fraternal Affairs, the Promotion of Highest Standards of Conduct Consistent With Good Taste and Morals and the Encouragement of the Fullest Intellectual, Physical, and Social Personal Development of the Students.

Claims use since June 28, 1855.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 576,980. Pennsylvania Grocers Association, Philadelphia, Pa. Filed Apr. 12, 1949.

Golden List

The word "List" is disclaimed.

For Advertising, Promoting, Extending, and Maintaining Distribution of Products of Subscribing Manufacturers.

Claims use since January 1932.

Ser. No. 587,828. The Sovereign Plan, Inc., Chicago, Ill. Filed Nov. 15, 1949.

PM
PREVENTIVE MAINTENANCE

The words "Preventive Maintenance" are disclaimed.

For Services in Connection With the Promotion and Sale of Automobile Service Bonds Consisting of Maintaining a History of Repairs for Holders of Such Service Bonds; Automatically Mailing Follow-Up Cards to Service Bond Holders Who Are Customers of Car Dealers; Providing the Car Dealers With a Record of Repairs Made on the Service Bond Holder's Car and Providing a Tabulation of the Number of Visits Made by the Service Bond Holders to the Car Dealer's Repair Shop.

Claims use since June 16, 1949.

Ser. No. 587,829. The Sovereign Plan, Inc., Chicago, Ill. Filed Nov. 15, 1949.



The words "Preventive Maintenance" are disclaimed.

For Services in Connection With the Promotion and Sale of Automobile Service Bonds Consisting of Maintaining a History of Repairs for Holders of Such Service Bonds; Automatically Mailing Follow-Up Cards to Service Bond Holders Who Are Customers of Car Dealers; Providing the Car Dealers With a Record of Repairs Made on the Service Bond Holder's Car and Providing a Tabulation of the Number of Visits Made by the Service Bond Holders to the Car Dealer's Repair Shop.

Claims use since June 16, 1949.

Ser. No. 597,376. Archer Productions, Inc., New York, N. Y. Filed May 13, 1950.



For Advertising Services—Namely, Formulating and Preparing Advertising Material for Use in Connection With Radio and Television Programs by Advertisers.

Claims use since Apr. 22, 1949.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 612,469. One Hour Valet, Inc., Jacksonville, Fla. Filed Apr. 10, 1951. (Sec. 2f—Additional evidence.)



The word "Valet" is disclaimed. Applicant claims ownership of Registration No. 508,876.

For Laundry and Dry Cleaning.

Claims use since Jan. 28, 1947.

CLASS 106

MATERIAL TREATMENT

Ser. No. 609,412. Northern Metal Products Company, Chicago, Ill. Filed Jan. 30, 1951.

NORTHERN

For Fabrication of Ferrous and Non-Ferrous Metal Products on a Custom Basis.

Claims use since January 1942 on the mark shown; and since May 1927 as to the word "Northern."

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 564,289. Robert Yarnall Richie Productions, Inc., New York, N. Y. Filed Aug. 27, 1948.



"Robert Yarnall Richie" is president of applicant corporation, consent to register his name is of record. The words "Productions Inc." are disclaimed.

For Preparation of Scripts and Production of Moving Pictures Therefrom for Use by Industrial and Educational Institutions.

Claims use since Dec. 3, 1947.

Ser. No. 611,755. Cactus Jack Enterprises, Oakland, Calif. Filed Mar. 26, 1951.

Cactus Jack

For Entertainment Services—Namely, Vocal and Instrumental Presentations Through the Medium of Radio and Television Programs, and Motion Picture Pictures.

Claims use since August 1942.

Ser. No. 613,028. Starr-Allen Professional Studios, New York, N. Y. Filed Apr. 23, 1951.

STARS
OF
TOMORROW

For Rendering Entertainment Service in the Nature of a Musical Variety Show Participated in by Children and Adults and Presented in Theatres and on Radio and on Television Broadcast Programs.

Claims use since January 1936.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,698. Insecticides, Disinfectants, Deodorants, Pipe Coil and Drain Cleaners, Lye and Germicides. Chemical Manufacturing & Distributing Company, Easton, Pa.
Filed Aug. 21, 1945, Serial No. 487,353. Published Jan. 29, 1952. Class 52.

444,699. Men's, Women's, and Children's Hats and Hat Bodies. Merrimac Hat Corporation, Amesbury, Mass.
Filed Aug. 24, 1946, Serial No. 507,994. Published Apr. 1, 1952. Class 39.

444,700. Hydrocarbon Oil Filters To De-Emulsify Oil and Remove Separated Water. Warner Lewis Company, Tulsa, Okla.
Filed Feb. 28, 1947, Serial No. 518,331. Published Mar. 18, 1952. Class 31.

ACT OF 1946, PRINCIPAL REGISTER

560,336. Powder Compound for Cleaning and Polishing Tile, Porcelain, and Enamelware. Pittsburgh Chemical Laboratory, Pittsburgh, Pa.
Original filed, act of 1905, July 24, 1946; amended to application under act of 1946, Principal Register, May 17, 1951, Serial No. 506,279. Published Mar. 25, 1952. Class 4.

560,337. Toothpaste. Bristol-Myers Company, New York, N. Y.
Original filed, act of 1905, Jan. 15, 1947; amended to application under act of 1946, Principal Register, Aug. 3, 1948, Serial No. 515,744. Published Mar. 4, 1952. Class 51.

560,338. Household Cleaner for Cleaning Oriental and Domestic Rugs, Upholstery, Woolens, Woodwork, Venetian Blinds, Walls, and Tile. Johnson Products Company, Buffalo, N. Y., assignor to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin.
Filed July 25, 1947, Serial No. 529,466. Published July 18, 1950. Class 52.

560,339. Bacon. Armour and Company, Chicago, Ill.
Filed Aug. 15, 1947, Serial No. 531,421. Published Apr. 1, 1952. Class 46.

560,340. Sewing Awl Hafts, Twin Cutters, Nail Sets, Tack Claws. Standard Shoe Machinery Company, Chicago, Ill.
Filed Sept. 11, 1947, Serial No. 534,202. Published Mar. 4, 1952. Class 23.

560,341. Shipping Carton or Box Containing a Special Refrigerant, Said Special Refrigerant Being Made Up of a Sawdust Block Saturated With Brine and Then Frozen. William E. Moore, Oakland, Calif.
Filed Nov. 5, 1947, Serial No. 540,196. Published Mar. 18, 1952. Class 31.

560,342. Women's and Misses' Textile Aprons. L. Nachman & Son, Inc., Philadelphia, Pa.
Filed Dec. 5, 1947, Serial No. 543,512. Published Apr. 1, 1952. Class 39.

560,343. China Tableware. Shelley Potteries Limited, Longton, Stoke-on-Trent, England.
Filed Dec. 30, 1947, Serial No. 545,780. Published Feb. 12, 1952. Class 30.

560,344. Perfumes, Face Creams, Rouge. Societe Anonyme, Bienaime, Paris, France.
Filed Jan. 15, 1948, Serial No. 547,159. Published Mar. 11, 1952. Class 51.

560,345. Concentrated Powdered Flavourings in Which the Flavouring Part Consists Mainly of a Mixture of Essential Oils, Esters, Aldehydes, Ketones, and Fruit Juices, Etc. A. Boake, Roberts & Company Limited, London, England.
Filed Feb. 17, 1948, Serial No. 549,878. Published Mar. 25, 1952. Class 46.

560,346. Bottle Coolers, Walk-in Cooling Cabinets, Electric and Other Refrigerating Apparatus, Combined Cooling and Beverage Dispensing Cabinets, Air Filters for Use in Conjunction With Beverage Dispensing Apparatus and Ice Cube Making Cabinets. Uniflow Manufacturing Company, Erie, Pa.
Filed Feb. 24, 1948, Serial No. 550,467. Published Mar. 4, 1952. Class 31.

560,347. Electrically Operated Portable Food Warmers. Seco Company, Inc., St. Louis, Mo.
Filed Apr. 14, 1948, Serial No. 554,612. Published Mar. 4, 1952. Class 21.

560,348. Softening Preparation for Leather Treatment Having Incidental Cleansing Properties. Richard Laubly, Westport, Conn., assignor to Knomark Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York.
Filed Apr. 28, 1948, Serial No. 555,758. Published Dec. 26, 1950. Class 52.

560,349. Carburetors for Internal Combustion Engines Designed for Use on Automobiles and Riding Tractors and Parts Thereof. Borg-Warner Corporation, Chicago, Ill.
Filed Apr. 29, 1948, Serial No. 555,798. Published Jan. 15, 1952. Class 23.

560,350. Shaving Cream and Shampoo. Sears, Roebuck and Co., Chicago, Ill.
Filed June 16, 1948, Serial No. 559,337. Published Apr. 1, 1952. Class 51.

560,351. Service Centers Consisting of a Small Number of Circuit Breakers in a Housing, Panel Boards, and Circuit Breakers. Heinemann Electric Company, Trenton, N. J.
Filed July 15, 1948, Serial No. 561,465. Published Mar. 4, 1952. Class 21.

560,352. Rubber or Rubberized Raincoats. Archer Rubber Company, Milford, Mass.
Filed Sept. 14, 1948, Serial No. 565,098. Published Mar. 25, 1952. Class 39.

560,353. Tile—Namely, Rubber Floor Tile. Northern Rubber Products, Inc., Minneapolis, Minn.
Filed Sept. 17, 1948, Serial No. 565,355. Published Mar. 25, 1952. Class 12.

560,354. Water Softening Apparatus of the Zeolite Type. Rheem Manufacturing Company, San Francisco, Calif.
Filed Oct. 26, 1948, Serial No. 567,651. Published Feb. 26, 1952. Class 31.

560,355. Vibrating Screen Devices. Productive Equipment Corporation, Chicago, Ill.
Filed Nov. 19, 1948, Serial No. 569,097. Published Jan. 8, 1952. Class 23.

560,356. Men's Underwear. Sears, Roebuck and Co., Chicago, Ill.
Filed Dec. 14, 1948, Serial No. 570,518. Published Oct. 16, 1951. Class 39.

560,357. Salve for the Skin and Scalp, for the Relief of Toe Itch, Eczema, Pimples, Dandruff, and Bites of Insects. Mrs. Anne S. Lefkoff, doing business under the name of Savex Laboratories, Atlanta, Ga.
Filed Oct. 22, 1948, Serial No. 570,739. Published Nov. 28, 1950. Class 18.

560,358. Lawn Broom Rakes and Parts Thereof. Geo. H. Maus, Inc., Amsterdam, N. Y.
Filed Dec. 3, 1948, Serial No. 571,695. Published Jan. 8, 1952. Class 23.

560,359. Electric Dishwashers. Perry Kilsby Inc., Los Angeles, Calif., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware.
Filed Jan. 7, 1949, Serial No. 571,809. Published Feb. 12, 1952. Class 21.

560,360. Water Purifying and Softening Apparatus of the Household Type. Troop Water Heater Company, Pittsburgh, Pa.
Filed Dec. 24, 1948, Serial No. 572,620. Published Feb. 19, 1952. Class 31.

560,361. Polishing Leathers Generally Cut to Size for Use in Polishing Various Articles, Leather Polishing Wheels for Arbor Mounted High Speed Polishing, and Polishing Bobs Made of Leather. Greene, Tweed & Co., North Wales, Pa.
Filed Feb. 3, 1949, Serial No. 573,244. Published Mar. 25, 1952. Class 4.

560,362. Polishing Leathers Generally Cut to Size for Use in Polishing Various Articles, Leather Polishing Wheels for Arbor Mounted High Speed Polishing, and Polishing Bobs Made of Leather. Greene, Tweed & Co., North Wales, Pa.
Filed Feb. 3, 1949, Serial No. 573,245. Published Mar. 25, 1952. Class 4.

560,363. Polishing Leathers Generally Cut to Size for Use in Polishing Various Articles, Leather Polishing Wheels for Arbor Mounted High Speed Polishing, and Polishing Bobs Made of Leather. Greene, Tweed & Co., North Wales, Pa.
Filed Feb. 3, 1949, Serial No. 573,246. Published Mar. 25, 1952. Class 4.

560,364. Abrasive Grinding Wheels for Use in Connection With Machine and Hand-Operated Grinders. Simonds Worden White Company, doing business as Safety Grinding Wheel & Machine Co., Dayton, Ohio.
Filed Feb. 28, 1949, Serial No. 574,654. Published Apr. 1, 1952. Class 4.

560,365. Tool Joint Compound—Namely, a Mixture of Grease, Red Lead, High-Pressure Lubricant, and Graphite Used as a Lubricant on the Threaded Ends of Joints of Drill Pipe and the Like. Petroleum Distributing Company, Houston, Tex., formerly known as Standard Oil Sales Co.
Filed Mar. 14, 1949, Serial No. 575,445. Published Jan. 29, 1952. Class 15.

560,366. Synthetic Soap of the Alkaline Type Used for Glasses, Dishes, Cooking and Eating Utensils, and Food Product Equipment. Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y.
Filed Mar. 26, 1949, Serial No. 576,116. Published Mar. 25, 1952. Class 52.

560,367. Electric Motor Driven Commercial Garbage Grinding and Disposal Machine. The Salvajor Company, Kansas City, Mo.
Filed Mar. 28, 1949, Serial No. 576,229. Published Mar. 25, 1952. Class 21.

560,368. Oil-Resistant Insulated Electrical Wire. Essex Wire Corporation, Detroit, Mich.
Filed Apr. 29, 1949, Serial No. 577,955. Published Apr. 1, 1952. Class 21.

560,369. Men's and Boys' Suits, Topcoats, Overcoats. Schloss Bros. & Co., Inc., Baltimore, Md.
Filed May 5, 1949, Serial No. 578,289. Published Mar. 25, 1952. Class 39.

560,370. Hog Feeders; Portable Hog Waterers, and Portable Stock Fountains. Columbian Steel Tank Company, Kansas City, Mo.
Filed May 7, 1949, Serial No. 578,377. Published Feb. 26, 1952. Class 50.

560,371. Chlorinated Solvents Such as Trichlorethylene—Namely, for Degreasing Metals, Fabrics, and Leather, and the Extraction of Oils, Fats, Waxes, Gums, and Alkaloids. Merchants Chemical Company, Inc., New York, N. Y.
Filed May 12, 1949, Serial No. 578,695. Published Mar. 4, 1952. Class 52.

560,372. Detergents Containing Anionic or Kationic or Non-Ionic Substances for General Use in the Industrial Art. American Alcolac Corporation, New York, N. Y.
Filed May 17, 1949, Serial No. 580,167. Published Mar. 25, 1952. Class 52.

560,373. Liquid Polish for Finishing and Coating Floors and Other Surfaces of Wood, Linoleum, Rubber, Cork, Tile, Asphalt, Concrete, Cement, Composition, Mastic, Magnesite, Terrazzo, Marble, Travertine, Stone, Slate, and Metal. S. C. Johnson & Son, Inc., Racine, Wis.
Filed June 10, 1949, Serial No. 580,244. Published Mar. 18, 1952. Class 4.

560,374. Bleach. J. D. Schwartz, doing business as J. D. Schwartz Co., El Paso, Tex.
Filed June 13, 1949, Serial No. 580,380. Published Apr. 8, 1952. Class 6.

560,375. Shears and Scissors, Produced by the Hardening and Tempering Process. Cutlery Corporation, Bridgeport, Conn.
Filed June 15, 1949, Serial No. 580,467. Published Mar. 4, 1952. Class 23.

560,376. Electronic Devices—Namely, a Compensator Circuit Apparatus for Television Receiving Sets. Video Corporation of America, Wilmington, Del., and New York, N. Y.
Filed June 17, 1949, Serial No. 580,701. Published Feb. 12, 1952. Class 21.

560,377. Antenna Rotators. The Alliance Manufacturing Company, Alliance, Ohio.
Filed June 23, 1949, Serial No. 580,915. Published May 15, 1951. Class 21.

560,378. Reaping Machines, Hay-Making Machinery, Hay and Grass Collecting Machinery, Grass-Cutting Machines, Etc. Bamfords Limited, Uttoxeter, England.
Filed June 24, 1949, Serial No. 580,971. Published Mar. 4, 1952. Class 23.

560,379. Women's and Misses' Hosiery. Sears, Roebuck and Co., Chicago, Ill.
Filed June 25, 1949, Serial No. 581,090. Published Apr. 1, 1952. Class 39.

560,380. Locomotives and Structural Parts Thereof. American Car and Foundry Company, New York, N. Y.
Filed July 8, 1949, Serial No. 581,633. Published Mar. 11, 1952. Class 23.

560,381. Decorative Miniature Cones. Henry Shapiro, Crescent City, Calif.
Filed Aug. 2, 1949, Serial No. 582,461. Published Mar. 4, 1952. Class 50.

560,382. Pullets of the Variety Known as the Sex-Linked Cross. Swift & Company, Chicago, Ill.
Filed Aug. 18, 1949, Serial No. 583,666. Published Feb. 26, 1952. Class 1.

560,383. Sterling Silver Hollow Ware and Silver Plated Hollow Ware. The Fisher Silversmiths, Inc., Jersey City, N. J., and New York, N. Y.
Filed Aug. 1, 1949, Serial No. 582,778. Published Jan. 30, 1951. Class 28.

560,384. Asbestos-Cement Pipe—Namely, Pressure Pipe, House-Connection Pipe, Sewer Pipe, and Pipe Fittings; Corrugated Asbestos-Cement Sheets; and Flat Asbestos-Cement Sheets and Wall Panels. Johns-Manville Corporation, New York, N. Y.
Filed Aug. 11, 1949, Serial No. 583,345. Published Feb. 19, 1952. Class 12.

560,385. Cement Base Paint. Welco Manufacturing Company, Incorporated, Kansas City, Mo.
Filed Aug. 15, 1949, Serial No. 583,505. Published Mar. 4, 1952. Class 12.

560,386. Knitted Articles of Outer-Wear—Namely, Sweaters Including Twin Sets, Cardigans, Pullovers, Slipons, All for Men, Women, and Children, and Knitted Underwear for Men, Women, and Children. Hawick Knitwear Limited, Hawick, Scotland.
Filed Aug. 18, 1949, Serial No. 583,651. Published Apr. 1, 1952. Class 39.

560,387. Refrigerated Display Cases. Tyler Fixture Corporation, Niles, Mich.
Filed Aug. 22, 1949, Serial No. 583,828. Published Mar. 11, 1952. Class 31.

560,388. Rigid Metal Awnings. All-Weather Aluminum Awnings, Inc., Silver Hill, Md., and Washington, D. C.
Filed Sept. 6, 1949, Serial No. 584,476. Published Mar. 25, 1952. Class 12.

560,389. Auto Polish, Furniture Polish, Polishes for Glass, Chromium, and Metal; Etc. W. J. Steele, doing business as Jewell Polish Company, Los Angeles, Calif.
Filed Sept. 6, 1949, Serial No. 584,512. Published Mar. 18, 1952. Class 4.

560,390. Woodwind Musical Instrument in the Nature of and Having Some of the Characteristics and Advantages of a Clarinet, Etc. Powell Instrument Corporation, Port Chester, N. Y.
Filed Sept. 28, 1949, Serial No. 585,457. Published Mar. 25, 1952. Class 36.

560,391. Materials for the Production of Dental Prothesis Plates—Namely, Powdered Tin, Etc. Emil Märki, Basel, Switzerland.
Filed Nov. 9, 1949, Serial No. 587,557. Published Apr. 1, 1952. Class 44.

560,392. Ladies' Hosiery. Best Made Silk Hosiery Company, Quakertown, Pa.
Filed Nov. 14, 1949, Serial No. 587,705. Published Apr. 1, 1952. Class 39.

560,393. Medicinal Preparation Offering the B-Complex Vitamins in Approximately the Proportion Required by the Human Organism. The S. E. Massengill Company, Bristol, Tenn.
Filed Nov. 16, 1949, Serial No. 587,889. Published Feb. 19, 1952. Class 18.

560,394. Detergent Having Sanitising and Disinfectant Properties Especially Adapted for Use in Cleaning, Disinfecting, and Sanitizing Glassware, China, Silverware, Restaurant Equipment, and Dairy Equipment. Robert C. White Company, Philadelphia, Pa.
Filed Nov. 16, 1949, Serial No. 587,920. Published Apr. 1, 1952. Class 52.

560,395. Soap. Packers Tar Soap, Inc., Mystic, Conn.
Filed Nov. 19, 1949, Serial No. 588,104. Published Mar. 25, 1952. Class 52.

560,396. Laryngeal Airways, Laryngoscopes, Oxygen Meters, and Oxygen Tents. The Foregger Company, Inc., New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,293. Published Apr. 1, 1952. Class 44.

560,397. Device for Injecting Insulating Material Into the Surface of Foundations in Subsoil, Said Device Comprising a Pump, Tank, Connecting Hoses, and Injecting Nozzles. Min-R-L-Rubr Corp., New York, N. Y.
Filed Nov. 26, 1949, Serial No. 588,378. Published Mar. 4, 1952. Class 23.

560,398. Chemical Fluid for Cleaning and Polishing Any Hard, Smooth Surface. John H. Pruett, doing business as John H. Pruett Products Co., Houston, Tex.
Filed Dec. 2, 1949, Serial No. 588,707. Published Apr. 1, 1952. Class 52.

560,399. Coating or Lining Material for Tanks, Said Material Comprising a Sheet Plastic Lining Based on Synthetic Rubber. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa.
Filed Dec. 13, 1949, Serial No. 589,243. Published Mar. 25, 1952. Class 12.

560,400. Perfumes. Irene F. Craft, Ridgewood, N. J.
Filed Jan. 11, 1950, Serial No. 590,649. Published Mar. 11, 1952. Class 51.

560,401. Pharmaceutical Preparation Containing Iron, Copper, and Members of the B Complex, for the Treatment of Anemia. The S. E. Massengill Company, Bristol, Tenn.
Filed Jan. 11, 1950, Serial No. 590,676. Published Jan. 22, 1952. Class 18.

560,402. Electrical Insulating Friction Tapes and Electrical Insulating Tapes. The Okonite Company, Passaic, N. J.
Filed Jan. 19, 1950, Serial No. 591,100. Published Mar. 18, 1952. Class 21.

560,403. Gasoline Hose, Distillate Hose, Tank Wagon Hose, Grease Hose, Hydraulic Brake Hose, Air Hose, Water Hose, Steam Hose, Suction Hose, Oil Hose, Transmission Belt, and Conveyor Belt. Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio.
Filed Feb. 6, 1950, Serial No. 592,041. Published Mar. 18, 1952. Class 35.

560,404. Pneumatic Tire Casings. The Armstrong Rubber Company, West Haven, Conn.
Filed Feb. 7, 1950, Serial No. 592,065. Published Mar. 18, 1952. Class 35.

560,405. Men's, Women's, and Children's Underwear, Pajamas, Robes, and Housecoats, Outer Sport Jackets; Women's and Girls' Slips, Nightgowns, Brassières, Aprons, Bedjackets, Sweaters, Blouses, Hosiery, and Gloves; Men's and Boys' Vests, Negligee Shirts, and Sport Shirts; and Children's Shoes and Overalls. Warren H. Fake, Ephrata, Pa.
Filed Feb. 9, 1950, Serial No. 592,199. Published Mar. 25, 1952. Class 39.

560,406. Pneumatic Tire Casings. The Armstrong Rubber Company, West Haven, Conn.
Filed Feb. 10, 1950, Serial No. 592,245. Published Mar. 25, 1952. Class 35.

560,407. Electrical Capacitors. Cornell-Dubilier Electric Corporation, South Plainfield, N. J.
Filed Feb. 11, 1950, Serial No. 592,310. Published Mar. 4, 1952. Class 21.

560,408. Floor Surfacing Machines, Stationary Grinders, and Portable Power Operated Tools Consisting of Routers, Shapers, Planes, Mortisers, Saws, Sanding Machines, and Cutters for Such Tools. The Porter-Cable Machine Company, Syracuse, N. Y.
Filed Feb. 15, 1950, Serial No. 592,517. Published Mar. 4, 1952. Class 23.

560,409. Metal Polish. Rustaway Corporation, New York, N. Y., assignee of Rust-A-Way Company.
Filed Feb. 25, 1950, Serial No. 593,086. Published Mar. 25, 1952. Class 4.

560,410. Electrical Welding Apparatus. Nelson Specialty Corporation, San Leandro, Calif.
Filed Feb. 28, 1950, Serial No. 593,184. Published Mar. 18, 1952. Class 21.

560,411. Respirators in the Form of Face Pieces and Gas Masks for Industrial Safety. Willson Products, Inc., Reading, Pa.
Filed Mar. 2, 1950, Serial No. 593,313. Published Apr. 1, 1952. Class 44.

560,412. Respirators in the Form of Face Pieces and Gas Masks for Industrial Safety. Willson Products, Inc., Reading, Pa.
Filed Mar. 2, 1950, Serial No. 593,315. Published Apr. 1, 1952. Class 44.

560,413. Jewelry and Costume Jewelry Not Including Watches—Namely, Bracelets, Earrings, Necklaces, Chains, Finger Rings, Brooches, and Ornamental Lapel, Spray, and Scatter Pins. A. H. Pond Co., Inc., Syracuse, N. Y.
Filed Mar. 4, 1950, Serial No. 593,440. Published Feb. 12, 1952. Class 28.

560,414. Watches. Granat Bros., San Francisco, Calif.
Filed Mar. 6, 1950, Serial No. 593,485. Published Feb. 12, 1952. Class 27.

560,415. Overall Garments for Infants—Namely, Overall Suits Consisting of a Jacket and Pants; and Overall Ensembles Comprising, With the Jacket and Pants, a Hat or Bonnet. The Grace Company, Belton, Mo.
Filed Mar. 15, 1950, Serial No. 593,983. Published Apr. 1, 1952. Class 39.

560,416. Shoe Polish, Shoe Polishing Cream, Burnishing Ink, and Burnishing Wax for Leather Goods. White Cat Products Co., San Francisco, Calif.
Filed Mar. 18, 1950, Serial No. 594,238. Published Apr. 1, 1952. Class 4.

560,417. Cleaning Compound for General Use. Tracy-Burns Enterprises, Inc., Flint, Mich.
Filed Mar. 30, 1950, Serial No. 594,928. Published Apr. 1, 1952. Class 52.

560,418. Articles Made of Ceramic Clay—to Wit, Vases, Including Bud Vases; Bowls, Including Flower Bowls; Relish Dishes, Nut Dishes; Boxes for Candy. Pixie Potters, Los Angeles, Calif.
Filed Apr. 3, 1950, Serial No. 595,154. Published Feb. 12, 1952. Class 30.

560,419. Water Softeners of the Zeolite Type. Water Treaters, Inc., St. Paul, Minn., assignor to Automatic Pump & Softener Corporation, Rockford, Ill.
Filed Apr. 7, 1950, Serial No. 595,432. Published Mar. 25, 1952. Class 31.

560,420. Dry Cleaning Soap. Huntington Laboratories, Inc., Huntington, Ind.
Filed Apr. 14, 1950, Serial No. 595,723. Published Mar. 25, 1952. Class 52.

560,421. Liquid Soap for General Household and Laundry Use. Tom W. Parks, doing business under the name of New Day Products Company, Anderson, S. C.
Filed Apr. 14, 1950, Serial No. 595,735. Published Mar. 18, 1952. Class 52.

560,422. Electrical Apparatus—Namely, Dish Washing Machines, Television and Radio Receiving Sets, Phonographs, Ranges, Toasters, and Irons. Attilio Mancusi, doing business as Tyson Radio Company, Carle Place, N. Y.
Original filed, act of 1946, Supplemental Register, Apr. 15, 1950; amended to application, Principal Register, Sept. 10, 1951, Serial No. 595,792. Published Feb. 26, 1952. Class 21.

560,423. Code Flashers for Aircraft and Airport Landing Lights. Texas Engineering and Manufacturing Company, Inc., Grand Prairie, Tex.
Filed Apr. 18, 1950, Serial No. 595,921. Published Feb. 19, 1952. Class 21.

560,424. Bag Containing a Pessary and Vaginal Creams and Jellies. Ortho Pharmaceutical Corporation, Raritan, N. J.
Filed Apr. 26, 1950, Serial No. 596,355. Published Apr. 1, 1952. Class 44.

560,425. Hand-Operated Stapling Machines of the Desk, Plier, and Tacker Types. Ace Fastener Corporation, Chicago, Ill.
Filed Apr. 27, 1950, Serial No. 596,380. Published Feb. 26, 1952. Class 23.

560,426. Nutritional Supplement Containing Vitamins and Minerals in Tablet Form. Essential Products, Inc., Atlanta, Ga.
Filed May 5, 1950, Serial No. 596,903. Published Feb. 19, 1952. Class 18.

560,427. Boys' and Girls' Outer Garments Comprising Jeans, Jackets, and Boys' and Girls' Underwear. Walls Manufacturing Co. Inc., Cleburne, Tex.
Filed May 9, 1950, Serial No. 597,184. Published Apr. 1, 1952. Class 39.

560,428. Vehicle Tires. The Dayton Rubber Company, Dayton, Ohio.
Filed May 11, 1950, Serial No. 597,256. Published Mar. 25, 1952. Class 35.

560,429. Dolls and Doll Clothing. Julia C. Gray, Manteo, N. C.
Filed May 19, 1950, Serial No. 597,750. Published Apr. 1, 1952. Class 22.

560,430. Combination Tachometer and Hour Meter for Tractors, More Particularly a Meter Designed To Record Engine Speed, Ground Speed, Belt-Pulley Speed, Power-Take-Off Speed, and Number of Hours Which Engine Has Run. Dearborn Motors Corporation, Birmingham, Mich.
Filed May 20, 1950, Serial No. 597,817. Published Mar. 4, 1952. Class 26.

560,431. Women's Hosiery. Mammoth Hosiery Mills, Inc., Philadelphia, Pa.
Filed May 23, 1950, Serial No. 597,965. Published Apr. 1, 1952. Class 39.

560,432. Women's Hosiery. Marilyn Hosiery Mill, Lehighton, Pa.
Filed May 23, 1950, Serial No. 597,966. Published Apr. 1, 1952. Class 39.

560,433. Liquid Petroleum Gas, Butane and Propane. Georgia Automatic Gas Company, Atlanta, Ga.
Filed May 25, 1950, Serial No. 598,076. Published June 5, 1951. Class 6.

560,434. Leather Clothing—Namely, Leather Gloves. Greatrex Ltd., New York, N. Y.
Filed May 31, 1950, Serial No. 598,363. Published Apr. 1, 1952. Class 39.

560,435. Rear View Mirrors for Automobiles. Libbey-Owens-Ford Glass Company, Toledo, Ohio.
Filed June 1, 1950, Serial No. 598,423. Published Mar. 25, 1952. Class 19.

560,436. Wetting Agent Used in Conjunction With Soap and Employed Primarily in Laundering. Suds-All Company, Inc., Evanston, Ill.
Filed June 2, 1950, Serial No. 598,509. Published Mar. 25, 1952. Class 6.

560,437. Oil Filters for Use in Filtering Oil in Internal Combustion Engines, Oil Filter Cartridges. Thomas S. Lasky, Kingston, Pa.
Filed June 9, 1950, Serial No. 598,859. Published Mar. 11, 1952. Class 31.

560,438. Watch Bracelets (Not Including Watches). Speidel Corporation, Providence, R. I.
Filed Apr. 21, 1950, Serial No. 599,059. Published Jan. 15, 1952. Class 28.

560,439. Cosmetic Kits Containing One or More of the Following Items: Foundation Lotion, Skin Freshener, Cream Rouge, Eye Shadow, Lipstick, Face Powder, Special Skin Cream, Cleansing Cream. Richard Hudnut, New York, N. Y.
Filed June 14, 1950, Serial No. 599,097. Published Mar. 11, 1952. Class 51.

560,440. Perfumes, Toilet Waters, and Colognes. Societe d'Etudes et d'Expansion de la Parfumerie de Luxe, Paris, France.
Filed June 16, 1950, Serial No. 599,271. Published Mar. 18, 1952. Class 51.

560,441. Well Drilling Machines and Parts Therefor. The Star Drilling Machine Company, Akron, Ohio, assignor to The S. D. M. Company, Akron, Ohio, a corporation of Delaware.
Filed June 19, 1950, Serial No. 599,395. Published Mar. 4, 1952. Class 23.

560,442. Spread, Including Pure Creamery Butter, Sugar, and Spices Used for Toast, Pancakes, Waffles, and French Toast. Gertrude E. McCarter, doing business as Trudy Manufacturing Company, Osceola, Ind.
Filed June 21, 1950, Serial No. 599,517. Published Mar. 25, 1952. Class 46.

560,443. Cold Permanent Hair Waving Solution, and Hair Dressing. Helene Curtis Industries, Inc., Chicago, Ill.
Filed June 27, 1950, Serial No. 599,817. Published Mar. 11, 1952. Class 51.

560,444. Watch Bracelets (Not Including Watches). Speidel Corporation, Providence, R. I.
Filed June 27, 1950, Serial No. 599,847. Published Jan. 15, 1952. Class 28.

560,445. Industrial Solvents Used for Cleaning Garments, Joseph A. MacArthur, doing business under the name and style of MacArthur Petroleum & Solvent Co., South Kearny, N. J.
Filed June 29, 1950, Serial No. 599,955. Published Mar. 18, 1952. Class 52.

560,446. Diaphragms of Nylon Fabric Material Coated With Rubber and Manufactured for Use With Vapor and Volatile Liquid Storage Tanks. Chicago Bridge & Iron Company, Chicago, Ill.
Filed July 7, 1950, Serial No. 600,462. Published Mar. 4, 1952. Class 35.

560,447. Crystalline Chemical Preparations for Treating Textile Fabrics To Inhibit Growth of Mold. Aktiebolaget Bofors, Bofors, Sweden.
Priority under Sec. 44(d). Swedish Registration No. 67,951, filed Feb. 8, 1950.
Filed July 20, 1950, Serial No. 600,937. Published Apr. 8, 1952. Class 6.

560,448. Adhesive Cement for Mounting Photographs, Clippings, Prints, Artwork, Papers, and Other Lightweight Materials. Van Cleef Bros., Inc., Chicago, Ill.
Filed July 20, 1950, Serial No. 600,999. Published Apr. 1, 1952. Class 5.

560,449. Adhesive Tape for Packaging, Protecting, and Sealing, and for General Use. Van Cleef Bros., Inc., Chicago, Ill.
Filed July 20, 1950, Serial No. 601,003. Published Apr. 1, 1952. Class 5.

560,450. Amusement Device for Children Consisting of a Metal Tub To Be Used as a Sled on Ice and Snow. Albert N. Schaffhausen, Sr., St. Paul, Minn.
Filed July 24, 1950, Serial No. 601,170. Published Apr. 1, 1952. Class 22.

560,451. Electric Fans. Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo.
Filed July 24, 1950, Serial No. 601,171. Published Feb. 12, 1952. Class 21.

560,452. Ingestible Pill, Containing Chlorophyll (Chlorophyllin), Having the Chemical Properties of Acting Systemically To Eliminate Body Odors. Pearson Pharmacal Company, Inc., New York, N. Y.
Filed July 26, 1950, Serial No. 601,395. Published Apr. 3, 1951. Class 18.

560,453. Toys—Namely, Building Blocks, Doll Swings, Rocking Horses, and Children's Toy Blackboards. American Manufacturing Concern, Inc., Falconer, N. Y.
Filed July 29, 1950, Serial No. 601,402. Published Apr. 1, 1952. Class 22.

560,454. High Pressure Gas Well Hook Up Apparatus for Separating Condensible Vapors From Gases in a Flow Line. The Parkersburg Rig & Reel Company, Parkersburg, W. Va., and Houston, Tex.
Filed Aug. 3, 1950, Serial No. 601,687. Published Mar. 4, 1952. Class 23.

560,455. Vitamin Preparation. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Aug. 3, 1950, Serial No. 601,694. Published Jan. 22, 1952. Class 18.

560,456. Ice Cream. G. P. Gundlach & Co., Inc., Cincinnati, Ohio.
Filed July 11, 1950, Serial No. 601,866. Published Feb. 26, 1952. Class 46.

560,457. Colored Opaque Glass Tiles; Multiple Glass Sheet Glazing Units; Etc. Libbey-Owens-Ford Glass Company, Toledo, Ohio.
Filed Aug. 10, 1950, Serial No. 602,038. Published Mar. 18, 1952. Class 12.

560,458. Air-Guns. Millard Brothers Limited, London, England.
Filed Aug. 16, 1950, Serial No. 602,274. Published Mar. 25, 1952. Class 9.

560,459. Household Refrigerators and Shelves for Said Refrigerators. Nu-Type Manufacturing and Development Corp., Freeport, N. Y.
Filed Aug. 16, 1950, Serial No. 602,281. Published Feb. 19, 1952. Class 31.

560,460. Chemical Compound Used in Zeolite Softeners for the Purpose of Deflocculating and Dispersing Sediment, Controlling Corrosion, and Disinfecting the Zeolite Material Therein. Calgon, Incorporated, Pittsburgh, Pa.
Filed Aug. 17, 1950, Serial No. 602,304. Published Apr. 8, 1952. Class 6.

560,461. Tuning Units for Television Receivers. Hoffman Radio Corporation, Los Angeles, Calif.
Filed Aug. 18, 1950, Serial No. 602,398. Published Apr. 1, 1952. Class 21.

560,462. Men's, Women's, and Children's Hosiery. Lancedale Hosiery Company, New York, N. Y.
Filed Aug. 22, 1950, Serial No. 602,559. Published Apr. 1, 1952. Class 39.

560,463. Kiln Burned Clay Brick. Longmont Brick & Tile Company, Longmont, Colo.
Filed Aug. 23, 1950, Serial No. 602,618. Published Mar. 25, 1952. Class 12.

560,464. Soil Conditioner. Jesse Elson, Farm School, Pa.
Filed Aug. 25, 1950, Serial No. 602,756. Published Apr. 1, 1952. Class 10.

560,465. Ink Eradicator for Removing Drawing or India Ink From Drawings. Keuffel & Esser Company, Hoboken, N. J.
Filed Aug. 25, 1950, Serial No. 602,765. Published Mar. 25, 1952. Class 52.

560,466. Plasticizers for General Industrial Use, but Particularly for Polyvinyl Copolymers. Alkydol Laboratories, Inc., Cicero, Ill.
Filed Aug. 28, 1950, Serial No. 602,817. Published Mar. 11, 1952. Class 6.

560,467. Liquid Detergent for General Household Cleaning Purposes, and Solid Detergent in Granulated or Bead Form for General Household Cleaning Purposes. Fels & Company, Philadelphia, Pa.
Filed Sept. 6, 1950, Serial No. 603,185. Published Mar. 18, 1952. Class 52.

560,468. Music Boxes and Musical Movements Therefor. Reuge et Cie, Ste-Croix, Switzerland.
Filed Sept. 8, 1950, Serial No. 603,308. Published Mar. 25, 1952. Class 36.

560,469. Hand Cream, Hand Lotion, Cleansing Cream, Cold Cream, Texture Cream, Skin Tonic, Cream Deodorant. Amole, Incorporated, Tipp City, Ohio.
Filed Sept. 5, 1950, Serial No. 603,720. Published Mar. 11, 1952. Class 51.

560,470. Ready Mixed Paints and Primer for Use on Wood, Metal, Plaster, Paint, and Wallpaper To Be Applied Prior to Painting. Kreuter Paint Company, Grand Rapids, Mich.
Filed Sept. 26, 1950, Serial No. 604,011. Published Mar. 4, 1952. Class 16.

560,471. Protective and Cushioning Mats and Rugs Fabricated From Rubber, Rubber Substitutes, and Similar Materials. American Mat Corporation, Toledo, Ohio.
Filed Sept. 29, 1950, Serial No. 604,177. Published Feb. 26, 1952. Class 50.

560,472. Tube Repair Kit, Fan Belts, Radiator Hose, Nail Hole Patches, Tire Patches (for Tube Repair), Patches Applied to Rubber Tubes by Heat, and Tire Repair Units (for Casing Repair). The Pure Oil Company, Chicago, Ill.
Filed Sept. 29, 1950, Serial No. 604,222. Published Apr. 8, 1952. Class 35.

560,473. Phenolic Base Piston Rings for Compressors and Pumps. Universal Packing & Gasket Co., Houston, Tex.
Filed Oct. 4, 1950, Serial No. 604,457. Published Apr. 8, 1952. Class 35.

560,474. Tic-Tack-Toe Game. Charles H. Luhrs, doing business under the name of C. H. Luhrs & Co., Hackensack, N. J.
Filed Oct. 5, 1950, Serial No. 604,482. Published Apr. 1, 1952. Class 22.

560,475. Coats and Jackets for Women and Girls. The Supreme Coat Co., Worcester, Mass.
Filed Oct. 4, 1950, Serial No. 604,509. Published Oct. 9, 1951. Class 39.

560,476. Earrings. Adelcia, St. Petersburg, Fla.
Filed Oct. 6, 1950, Serial No. 604,510. Published Feb. 26, 1952. Class 28.

560,477. Watches. Crawford Watch Corporation, New York, N. Y.
Filed Oct. 6, 1950, Serial No. 604,520. Published Feb. 26, 1952. Class 27.

560,478. Toilet Soap. Roberts Windsor Soap Co. Ltd., Windsor, England.
Filed Oct. 6, 1950, Serial No. 604,548. Published Mar. 18, 1952. Class 52.

560,479. Fresh Frozen Kippered Herring. British Kipper Exporters, Limited, Edinburgh, Scotland.
Filed Oct. 4, 1950, Serial No. 604,559. Published Feb. 26, 1952. Class 46.

560,480. Phenolic Molding Compounds. Plastics Engineering Company, Sheboygan, Wis.
Filed Aug. 17, 1950, Serial No. 604,609. Published Mar. 25, 1952. Class 6.

560,481. Preparation for the Treatment of Colds. Pharmaceuticals, Inc., Newark, N. J.
Filed Oct. 12, 1950, Serial No. 604,802. Published Jan. 29, 1952. Class 18.

560,482. Reflectors for Electrical Lighting Fixtures. Swiveller Company, Inc., New York, N. Y.
Filed Oct. 12, 1950, Serial No. 604,821. Published Mar. 4, 1952. Class 21.

560,483. Strings for Tennis Rackets, Squash Rackets, Badminton Rackets, and Fish Hook Leaders, Commercial and Sporting Fishing Lines. Ashaway Line & Twine Mfg. Co., Ashaway, R. I.
Filed Oct. 19, 1950, Serial No. 605,133. Published Apr. 1, 1952. Class 22.

560,484. Farm and Ranch Gates, Stockyard Gates, Lawn, Ornamental and Industrial Gates, and Radio and Television Towers. Alprodco, Inc., Mineral Wells, Tex.
Filed Oct. 23, 1950, Serial No. 605,289. Published Mar. 18, 1952. Class 12.

560,485. Surface Active Agent and Detergent Possessing Powerful Grease Emulsifying Action, for Use on Wool, Animal Skins, Fur and Hair, and for Other Industrial Uses. Alrose Chemical Company, Cranston, R. I.
Filed Oct. 25, 1950, Serial No. 605,395. Published Apr. 1, 1952. Class 52.

560,486. Dolls' Clothing. Gladys M. Raborn, San Antonio, Tex.
Filed Oct. 25, 1950, Serial No. 605,439. Published Apr. 1, 1952. Class 22.

560,487. Supporting Bases for Switch Actuating Elements. The W. L. Maxson Corporation, New York, N. Y.
Filed Oct. 28, 1950, Serial No. 605,556. Published Jan. 22, 1952. Class 21.

560,488. Steel for Crushers, Crusher Heads, Tube-Mill Linings, Concaves, and Balls. Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y.
Filed Nov. 3, 1950, Serial No. 605,860. Published Apr. 1, 1952. Class 14.

560,489. Watches. A. Rufli-Stampfli, Longeau, Switzerland.
Filed Nov. 6, 1950, Serial No. 605,972. Published Feb. 26, 1952. Class 27.

560,490. Unmounted Synthetic Stones for Incorporation With Bracelets, Brooches, Cigarette Boxes, Cuff Buttons, Decorative Buttons, Earrings, Rings, Lapel Pins, Medallions, Ornamental Pins, Pendants, and Cosmetic Boxes. Philip Boone, Winchester, Mass.
Filed Nov. 7, 1950, Serial No. 605,985. Published Mar. 4, 1952. Class 28.

560,491. Television Receiving Sets. Olympic Radio & Television, Inc., Long Island City, N. Y.
Filed Nov. 7, 1950, Serial No. 606,044. Published July 31, 1951. Class 21.

560,492. Men's and Boys' Trousers. Hubbard Pants Company, Inc., Bremen, Ga.
Filed Nov. 9, 1950, Serial No. 606,143. Published Mar. 25, 1952. Class 39.

560,493. Dry Refractory Cement. E. J. Lavino and Company, Philadelphia, Pa.
Filed Nov. 9, 1950, Serial No. 606,147. Published Mar. 11, 1952. Class 12.

560,494. Women's Hosiery. Shalom Joseph, doing business as Havva Hosiery Mills, Chicago, Ill.
Filed Nov. 22, 1950, Serial No. 606,780. Published Apr. 1, 1952. Class 39.

560,495. Cation-Active Acid Detergent and Cleaning Composition. Refined Products Corporation, Lyndhurst, N. J.
Filed Nov. 22, 1950, Serial No. 606,807. Published Apr. 1, 1952. Class 52.

560,496. Body Lotion. Coty, Inc., New York, N. Y.
Filed Nov. 24, 1950, Serial No. 606,855. Published Mar. 11, 1952. Class 51.

560,497. Trousers, Suits, Knickers, Breeches, and Industrial Uniforms for Men and Boys. Day's Tailor-D Clothing, Inc., Tacoma, Wash.
Filed Nov. 24, 1950, Serial No. 606,858. Published Mar. 25, 1952. Class 39.

560,498. Medicinal Preparation Containing Liver, Iron, and Vitamin B_{12} With Natural Pyloric Substance, Used in Treating Anemias. Organon Inc., Orange, N. J.
Filed Nov. 25, 1950, Serial No. 606,947. Published Feb. 19, 1952. Class 18.

560,499. Shoe Polish. Hollywood Shoe Polish Inc., Richmond Hill, N. Y.
Filed Nov. 28, 1950, Serial No. 607,022. Published Apr. 1, 1952. Class 4.

560,500. Coal. Carmac Coal Company, Chicago, Ill.
Filed Nov. 30, 1950, Serial No. 607,116. Published Mar. 11, 1952. Class 1.

560,501. Coal. Carmac Coal Company, Chicago, Ill.
Filed Nov. 30, 1950, Serial No. 607,117. Published Mar. 11, 1952. Class 1.

560,502. Film Cement Scientifically Prepared for Splicing All Kinds of Photographic Films. Roy J. Fisher, doing business as Fisher Manufacturing Company, Rochester, N. Y.
Filed Dec. 8, 1950, Serial No. 607,423. Published Apr. 1, 1952. Class 5.

560,503. Liquid Filters, Filter Discs, and Parts Thereof. Alsop Engineering Corporation, Millidale, Conn.
Filed Dec. 9, 1950, Serial No. 607,475. Published Feb. 26, 1952. Class 31.

560,504. Solution of Iodine and Caffeine Used as a Heart Stimulant To Increase Intravascular Pressure, To Check Dyspnea and To Promote Diuresis. Laboratoires Darrasse-Darmex (par abréviation Labodar) Societe a Responsabilite Limitee, Nanterre (Seine), France.
Filed Dec. 9, 1950, Serial No. 607,504. Published Jan. 22, 1952. Class 18.

560,505. Detergent for Cleaning Porcelain, Tile, Terrazo, Linoleum Floors, Paints, Varnish Woodwork, Venetian Blinds, Silks, Nylon, Cotton, Wool, Rayon, Dishes, Pots, Pans, Glassware, and Automobiles and for Use in Washing Machines. E. A. Gerlach Company, Inc., Eddington, Pa.
Filed Dec. 12, 1950, Serial No. 607,585. Published Apr. 1, 1952. Class 52.

560,506. Plastic Adhesive and Sealing Product Adapted for General Household Utility and Commercial Usage. Goodenow-Morley Company, also doing business under the style name of Mid-West Associates, Oklahoma City, Okla.
Filed Dec. 12, 1950, Serial No. 607,587. Published Mar. 25, 1952. Class 5.

560,507. Electrical Plastic Insulating Materials in Cast Rod and Plate Forms. The Rex Corporation, Cambridge, Mass.
Filed Dec. 14, 1950, Serial No. 607,684. Published Jan. 29, 1952. Class 21.

560,508. Veterinary Medicinal Preparation for Treatment of Cow Pox. Howard John Terwilliger, doing business as H. John Terwilliger Productions, Kingston, N. Y.
Filed Dec. 22, 1950, Serial No. 608,024. Published Jan. 22, 1952. Class 18.

560,509. Shampoos. Edith L. Worthington, doing business as The Three Crowns Laboratories, Waterloo, Iowa.
Filed Dec. 26, 1950, Serial No. 608,095. Published Apr. 1, 1952. Class 52.

560,510. Fabric Reinforced Hose. Anchor Coupling Company, Inc., Libertyville, Ill.
Filed Jan. 2, 1951, Serial No. 608,262. Published Apr. 8, 1952. Class 35.

560,511. Toy Pistols and Holster Sets. J. Halpern Company, Pittsburgh, Pa.
Filed Jan. 3, 1951, Serial No. 608,310. Published Apr. 1, 1952. Class 22.

560,512. Carbon Paper. Frederick H. Mahler, New York, N. Y.
Filed Jan. 9, 1951, Serial No. 608,557. Published Apr. 1, 1952. Class 11.

560,513. Electric Resistance Welding Machines. The Taylor-Winfield Corporation, Warren, Ohio.
Filed Jan. 10, 1951, Serial No. 608,638. Published Mar. 4, 1952. Class 21.

560,514. Cement for Porous Rubber Marking Stamps. The National Cash Register Company, Dayton, Ohio.
Filed Jan. 17, 1951, Serial No. 608,882. Published Apr. 1, 1952. Class 5.

560,515. Farm Seeds. Willow Branch Feed and Grain Co., Inc., Willow Branch, Ind.
Filed Jan. 20, 1951, Serial No. 609,063. Published Feb. 19, 1952. Class 1.

560,516. Abrasive Compounds—Namely, Grinding and Lapping Compounds, Etc. The Clover Manufacturing Company, Norwalk, Conn.
Filed Jan. 31, 1951, Serial No. 609,435. Published Mar. 18, 1952. Class 4.

560,517. Capacitors. Vitramon Incorporated, Easton and Stepney, Conn.
Filed Feb. 1, 1951, Serial No. 609,520. Published Feb. 5, 1952. Class 21.

560,518. Storage Batteries and Parts Therefor. Perrine Quality Products Corporation, Waltham, Mass.
Filed Feb. 5, 1951, Serial No. 609,662. Published Feb. 26, 1952. Class 21.

560,519. Electrical Communication Inter-Room Speech, Light and Sound Signal Apparatus Comprising Speakers, Microphones, Amplifiers, Receivers, Multiple Station Switches, Light and Sound Signals, and Interconnecting Circuits. Royal Communication Systems, Inc., Cleveland, Ohio.
Filed Feb. 8, 1951, Serial No. 609,815. Published Feb. 19, 1952. Class 21.

560,520. Flexible Tubing Made of Plastic-Coated Fabric Reinforced With Spirally-Wound Wire or Cord or Both. The Flexible Tubing Corporation, Guilford, Conn.
Filed Feb. 10, 1951, Serial No. 609,920. Published Mar. 25, 1952. Class 35.

560,521 Combination Dye and Cleaner for the Purpose of Rejuvenation of All Fabrics. Advance Colors, Inc., St. Petersburg, Fla.
Filed Feb. 13, 1951, Serial No. 609,995. Published Mar. 11, 1952. Class 52.

560,522. Battery Cables and Battery Chargers. The Pure Oil Company, Chicago, Ill.
Filed Feb. 13, 1951, Serial No. 610,023. Published Mar. 18, 1952. Class 21.

560,523. Unmounted Gems—Namely, Emeralds Manufactured According to a Special Process. Carroll F. Chatham, doing business as Chatham Research Laboratories, San Francisco, Calif.
Filed Feb. 16, 1951, Serial No. 610,163. Published Mar. 4, 1952. Class 28.

560,524. Material in Sheet Form Comprising a Vulcanized Blend of Synthetic Resin and Synthetic Rubber. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed Feb. 21, 1951, Serial No. 610,363. Published Mar. 11, 1952. Class 1.

560,525. Cotton for Lithographic Duplicating. A. B. Dick Company, Niles, Ill.
Filed Feb. 23, 1951, Serial No. 610,419. Published Feb. 19, 1952. Class 1.

560,526. Cotton for Lithographic Duplicating. A. B. Dick Company, Niles, Ill.
Filed Feb. 23, 1951, Serial No. 610,424. Published Mar. 4, 1952. Class 1.

560,527. Silicate of Soda and Silicate of Potash in Liquid and Solid Form. Philadelphia Quartz Company of California, Berkeley, Calif.
Filed Feb. 28, 1951, Serial No. 610,630. Published Apr. 1, 1952. Class 6.

560,528. Rough and Dressed Sawn Lumber. Northern Spruce Co. Ltd., Vancouver, British Columbia, Canada.
Filed Mar. 2, 1951, Serial No. 610,756. Published Mar. 11, 1952. Class 12.

560,529. Antiseptic Hand Cleanser in Powder Form. West Disinfecting Company, Long Island City, N. Y.
Filed Mar. 2, 1951, Serial No. 610,769. Published Mar. 25, 1952. Class 52.

560,530. Liquid Hand Cleaner. West Disinfecting Company, Long Island City, N. Y.
Filed Mar. 2, 1951, Serial No. 610,771. Published Apr. 1, 1952. Class 52.

560,531. Perfume, Cologne, Skin Lotion, Cold Cream and Vanishing Cream, and Make-Up Base. Jacqueline Cochran, Inc., New York, N. Y.
Filed Mar. 3, 1951, Serial No. 610,780. Published Mar. 11, 1952. Class 51.

560,532. Wood Products—Namely, Logs. Fordom Forest Products Corporation, New York, N. Y.
Filed Mar. 5, 1951, Serial No. 610,838. Published Feb. 19, 1952. Class 1.

560,533. Electric Sewing Machine Motors. Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y.
Filed Mar. 6, 1951, Serial No. 610,893. Published Mar. 4, 1952. Class 21.

560,534. Bicycles. Aldens, Inc., Chicago, Ill.
Filed Mar. 8, 1951, Serial No. 611,008. Published Oct. 30, 1951. Class 19.

560,535. Statues, Bracelets, Trinklets for Attachment to Wrist Bands, Lockets, Charms, Money Clips, Watch Bands, Buckles, Cuff Links, Finger Rings, and Ornamental Pins, Made Wholly or in Part of Precious Metals. Murray Hill Restaurant, Inc., New York, N. Y.
Filed Mar. 12, 1951, Serial No. 611,186. Published Mar. 4, 1952. Class 28.

560,536. Drinking and Wine Glasses, Glass Stirrers, Glass Muddlers, Glass Decanters, Glass Steins, and Glass Tankards. Murray Hill Restaurant, Inc., New York, N. Y.
Filed Mar. 12, 1951, Serial No. 611,187. Published Mar. 4, 1952. Class 33.

560,537. Pallets and Platforms—Namely, Pallets Used To Support Material Boxes Above the Floor for Lift Truck Engagement and Transport, Etc. Truscon Steel Company, Youngstown, Ohio.
Filed Mar. 12, 1951, Serial No. 611,205. Published Mar. 4, 1952. Class 50.

560,538. Cream Deodorant for Personal Use. Edward G. Alexander, Columbia, S. C.
Filed Mar. 13, 1951, Serial No. 611,209. Published Mar. 11, 1952. Class 51.

560,539. Antibiotic Preparation. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware.
Filed Mar. 15, 1951, Serial No. 611,368. Published Jan. 22, 1952. Class 18.

560,540. Silencers for Use in Connection With the Exhausts or Inlets of Engines, Pumps, Compressors, Blowers, Jets, Etc. The Maxim Silencer Company, Hartford, Conn.
Filed Mar. 16, 1951, Serial No. 611,443. Published Mar. 4, 1952. Class 23.

560,541. Shampoos. Quality Chemists, Inc., St. Louis, Mo.
Filed Mar. 19, 1951, Serial No. 611,530. Published Mar. 25, 1952. Class 52.

560,542. Valve Lubricating Greases. Rockwell Manufacturing Company, Pittsburgh, Pa.
Filed Mar. 19, 1951, Serial No. 611,538. Published Jan. 29, 1952. Class 15.

560,543. Drinking Glasses. Fostoria Glass Company, Moundsville, W. Va.
Filed Mar. 20, 1951, Serial No. 611,569. Published Feb. 26, 1952. Class 33.

560,544. Men's Hosiery. Full-Knit Hosiery Mills, Inc., Burlington, N. C.
Filed Mar. 20, 1951, Serial No. 611,571. Published Apr. 1, 1952. Class 39.

560,545. Shredded Plastic Film. Diana Manufacturing Company, Green Bay, Wis.
Filed Mar. 22, 1951, Serial No. 611,643. Published Feb. 19, 1952. Class 1.

560,546. Stones and Gems for Articles of Jewelry and Cut From Crystallized Oxide of Titanium. Wayne W. Light, New York, N. Y.
Filed Mar. 22, 1951, Serial No. 611,648. Published Mar. 4, 1952. Class 28.

560,547. Smooth-Finished, Colored Concrete Tile. Elizabeth M. McCloskey, Forest Hills, N. Y.
Filed Mar. 23, 1951, Serial No. 611,705. Published Mar. 25, 1952. Class 12.

560,548. Refrigeration Machines and Parts Thereof—Namely, Compressors, Condensers, Evaporators, and Purge Units of Refrigeration Machines. The Trane Company, La Crosse, Wis.
Filed Mar. 24, 1951, Serial No. 611,745. Published Mar. 25, 1952. Class 31.

560,549. Abrasive Grains, Sheet Material Coated With Abrasive Grains, Abrasive Wheels, and Abrasive Stones. The Carborundum Company, Niagara Falls, N. Y.
Filed Mar. 27, 1951, Serial No. 611,827. Published Apr. 1, 1952. Class 4.

560,550. Clocks and Electric Clocks. Jack Galter, Chicago, Ill.
Filed Mar. 27, 1951, Serial No. 611,835. Published Feb. 26, 1952. Class 27.

560,551. Clocks and Electric Clocks. Jack Galter, Chicago, Ill.
Filed Mar. 27, 1951, Serial No. 611,836. Published Feb. 26, 1952. Class 27.

560,552. Coal. Holmes-Darst Coal Corporation, Knoxville, Tenn.
Filed Mar. 28, 1951, Serial No. 611,897. Published Feb. 19, 1952. Class 1.

560,553. Silver Table Cutlery. M. Wayne Field, Minneapolis, Minn., assignor to The Hope Chest Company, Inc., Minneapolis, Minn., a corporation of Minnesota.
Filed Mar. 29, 1951, Serial No. 611,951. Published Feb. 26, 1952. Class 28.

560,554. Ladies' Hosiery. Valcort Hosiery Corporation, New York, N. Y.
Filed Apr. 3, 1951, Serial No. 612,189. Published Apr. 1, 1952. Class 39.

560,555. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed Apr. 5, 1951, Serial No. 612,240. Published Apr. 1, 1952. Class 39.

560,556. Jewelry Findings, Neck Chains, and Jewelry Chains Sold by the Foot. Nathan Berrie & Sons, New York, N. Y.
Filed Apr. 6, 1951, Serial No. 612,297. Published Mar. 4, 1952. Class 28.

560,557. Flowers and Particularly Orchids. Clint McDade & Sons, Inc., Signal Mountain, Tenn.
Filed Apr. 9, 1951, Serial No. 612,408. Published Feb. 12, 1952. Class 1.

560,558. External Water Filter Unit for Feeding Water to Steam Irons. Automatic Steam Products Corp., New York, N. Y.
Filed Apr. 10, 1951, Serial No. 612,431. Published Apr. 1, 1952. Class 31.

560,559. Watches With Attached Bracelets Sold as a Unit. Benrus Watch Company, Inc., New York, N. Y.
Filed Apr. 12, 1951, Serial No. 612,529. Published Feb. 12, 1952. Class 27.

560,560. Medicated Preparation for Treatment of Various Skin Disorders. Thyoquent Laboratories, Inc., Paterson, N. J.
Filed Apr. 13, 1951, Serial No. 612,636. Published Jan. 22, 1952. Class 18.

560,561. Men's and Boys' Leather Belts. Knothe Brothers Co. Inc., New York, N. Y.
Filed Apr. 20, 1951, Serial No. 612,921. Published Mar. 25, 1952. Class 39.

560,562. Work Shirts and Work Pants for Men and Boys and Dungarees for Men, Women, Misses, Boys, and Children. W. E. Stephens Mfg. Co. Inc., Nashville, Tenn.
Filed Apr. 20, 1951, Serial No. 612,936. Published Apr. 1, 1952. Class 39.

560,563. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Norman J. Phelps, Palatine, Ill.
Filed Apr. 21, 1951, Serial No. 612,948. Published Mar. 25, 1952. Class 51.

560,564. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Norman J. Phelps, Palatine, Ill.
Filed Apr. 21, 1951, Serial No. 612,949. Published Mar. 25, 1952. Class 51.

560,565. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Norman J. Phelps, Palatine, Ill.
Filed Apr. 21, 1951, Serial No. 612,950. Published Mar. 25, 1952. Class 51.

560,566. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Norman J. Phelps, Palatine, Ill.
Filed Apr. 21, 1951, Serial No. 612,953. Published Mar. 25, 1952. Class 51.

560,567. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Norman J. Phelps, Palatine, Ill.
Filed Apr. 21, 1951, Serial No. 612,956. Published Mar. 25, 1952. Class 51.

560,568. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Les Parfums de Dana, Inc., New York, N. Y., a corporation of New York.
Filed Apr. 21, 1951, Serial No. 612,957. Published Mar. 25, 1952. Class 51.

560,569. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Norman J. Phelps, Palatine, Ill.
Filed Apr. 21, 1951, Serial No. 612,958. Published Mar. 25, 1952. Class 51.

560,570. Lipstick. Dana Perfumes, Inc., Chicago, Ill., assignor to Norman J. Phelps, Palatine, Ill.
Filed Apr. 21, 1951, Serial No. 612,960. Published Mar. 25, 1952. Class 51.

560,571. Lipstick and Nail Lacquer. Richard Hudnut, New York, N. Y.
Filed Apr. 24, 1951, Serial No. 613,072. Published Mar. 25, 1952. Class 51.

560,572. Dietary Supplement Preparation Intended for the Removal of Sodium Ions From the Body. White Laboratories, Inc., Newark, N. J.
Filed Apr. 25, 1951, Serial No. 613,149. Published Feb. 19, 1952. Class 18.

560,573. Silver Flatware. Amston Silver Co., Inc., Meriden, Conn.
Filed Apr. 26, 1951, Serial No. 613,153. Published Feb. 12, 1952. Class 28.

560,574. Penicillin-Sulfonamide Antibacterial Preparation. E. R. Squibb & Sons, New York, N. Y.
Filed Apr. 27, 1951, Serial No. 613,244. Published Feb. 19, 1952. Class 18.

560,575. Jewelry for Personal Wear, Not Including Watches—Namely, Pins, Etc. Air Force Association, Washington, D. C.
Filed May 9, 1951, Serial No. 613,661. Published Feb. 12, 1952. Class 28.

560,576. Analgesic for the Relief of Muscular Aches and Pains. Del-O Company, St. Paul, Minn.
Filed May 11, 1951, Serial No. 613,770. Published Jan. 22, 1952. Class 18.

560,577. Wrist Watch Bands. Jacques Kreisler Manufacturing Corporation, North Bergen, N. J.
Filed May 11, 1951, Serial No. 613,776. Published Feb. 12, 1952. Class 28.

560,578. Chemical Preparations for Photographic Purposes—Namely, Photographic Developers, and Photographic Fixers. Gevaert Photo-Producten N. V., Mortsel, Belgium.
Filed May 15, 1951, Serial No. 613,872. Published Mar. 18, 1952. Class 6.

560,579. Watches and Parts Thereof. Alpina Union Horlogère A. G., Biel, Switzerland.
Filed May 16, 1951, Serial No. 613,893. Published Feb. 12, 1952. Class 27.

560,580. Water Insoluble Wetting Out Agent Used in Mercerizing Cotton Goods. Hart Products Corporation, New York, N. Y.
Filed May 16, 1951, Serial No. 613,913. Published Mar. 25, 1952. Class 6.

560,581. Microporous Storage Battery Separators and Retainers. Stokes Molded Products, Inc., Trenton, N. J.
Filed May 16, 1951, Serial No. 613,947. Published Feb. 19, 1952. Class 21.

560,582. Penicillin Salt. Commercial Solvents Corporation, New York, N. Y.
Filed May 17, 1951, Serial No. 613,973. Published Feb. 19, 1952. Class 18.

560,583. Medicines and Pharmaceutical Preparations—Namely, Sedatives, Etc. Ames Company, Inc., Elkhart, Ind.
Filed May 28, 1951, Serial No. 614,417. Published Jan. 22, 1952. Class 18.

560,584. Medicinal Preparations for the Relief of Colds, Headaches, Fevers, Nasal Congestion, and Muscular Aches and Pains; Anti-Histamine Cold Tablets; Vitamin Tablets, and Chill Tonics. The Grove Laboratories, Inc., St. Louis, Mo.
Filed May 28, 1951, Serial No. 614,437. Published Jan. 22, 1952. Class 18.

560,585. Medicinal Preparation Offered for the Relief of the Paroxysms of Asthma. Amigo Associates, Houston, Tex.
Filed May 29, 1951, Serial No. 614,480. Published Jan. 22, 1952. Class 18.

560,586. Dentifrice in Tablet Form. Luyties Pharmacal Company, St. Louis, Mo.
Filed May 31, 1951, Serial No. 614,559. Published Mar. 25, 1952. Class 51.

560,587. Lubricating Oil. The Atlantic Refining Company, Philadelphia, Pa.
Filed June 1, 1951, Serial No. 614,608. Published Apr. 1, 1952. Class 15.

560,588. Ointment. Bio-Cam Products, Inc., Chicago, Ill.
Filed June 1, 1951, Serial No. 614,611. Published Apr. 1, 1952. Class 18.

560,589. Ganglionic Blocking Agents. Ciba Limited, Basel, Switzerland.
Filed June 1, 1951, Serial No. 614,618. Published Jan. 22, 1952. Class 18.

560,590. Cutaneous Vasoconstrictor Designed for Use in the Constriction of Cutaneous Blood Vessels Where Erythema Is Present. Kremers-Urban Company, Milwaukee, Wis.
Filed June 8, 1951, Serial No. 614,948. Published Jan. 29, 1952. Class 18.

560,591. Fertilizers and Soil Treatment Preparations. Coahoma Chemical Co., Inc., Clarksdale, Miss., and Beacon, N. Y.
Filed June 11, 1951, Serial No. 615,011. Published Apr. 1, 1952. Class 10.

560,592. Cough Preparation. The E. L. Patch Company, Stoneham, Mass.
Filed June 16, 1951, Serial No. 615,285. Published Feb. 26, 1952. Class 18.

560,593. Medicinal and Pharmaceutical Preparations—Namely, Hormone, Enzyme, Ketocholanic Acid, Etc. G. D. Searle & Co., Skokie, Ill.
Filed June 18, 1951, Serial No. 615,351. Published Feb. 26, 1952. Class 18.

560,594. Lubricating Oils. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif.
Filed June 21, 1951, Serial No. 615,504. Published Feb. 19, 1952. Class 15.

560,595. Heat Exchange Units for Cooling Beverages and Similar Liquids—Namely, Such Units for Cooling Water, Carbonated Beverages and Uncarbonated Beverages, With the Use of Volatile Refrigerant and Also Units Which Use Ice. The Heat-X-Changer Co., Inc., Brewster, N. Y.
Filed June 22, 1951, Serial No. 615,616. Published Apr. 1, 1952. Class 31.

560,596. Wax for Polishing Floors, Furniture, Woodwork, and Linoleum. Black Panther Tool Company, Philadelphia, Pa.
Filed June 26, 1951, Serial No. 615,679. Published Mar. 25, 1952. Class 4.

560,597. Wax Derived From Petroleum. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.
Filed June 27, 1951, Serial No. 615,798. Published Feb. 19, 1952. Class 15.

560,598. Medicinal Hypotensive Agent. Marvin R. Thompson, Inc., Stamford, Conn.
Filed June 27, 1951, Serial No. 615,806. Published Feb. 19, 1952. Class 18.

560,599. Electric Refrigerating Units for Use in Domestic Refrigerators and Freezers. Hotpoint Inc., Chicago, Ill.
Filed June 28, 1951, Serial No. 615,836. Published Mar. 11, 1952. Class 31.

560,600. Vaccine for the Immunization of Dogs and Foxes Against Distemper. Fromm Laboratories, Inc., Grafton, Wis.
Filed July 3, 1951, Serial No. 616,025. Published Feb. 26, 1952. Class 18.

560,601. Vaccine for Immunization of Dogs Against Canine Hepatitis. Fromm Laboratories, Inc., Grafton, Wis.
Filed July 3, 1951, Serial No. 616,026. Published Feb. 26, 1952. Class 18.

560,602. Vaccine for Immunization of Minks Against Distemper. Fromm Laboratories, Inc., Grafton, Wis.
Filed July 3, 1951, Serial No. 616,027. Published Feb. 26, 1952. Class 18.

560,603. Hair Coloring Preparation. The Kenton Pharmacal Co., Covington, Ky.
Filed July 5, 1951, Serial No. 616,110. Published Mar. 25, 1952. Class 51.

560,604. Preparation Affecting the Central Nervous System and Useful in the Therapy of Depressive States. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed July 5, 1951, Serial No. 616,135. Published Feb. 26, 1952. Class 18.

560,605. Asbestos Cement Shingles and Sidings. The Flintkote Company, New York, N. Y.
Filed July 7, 1951, Serial No. 616,204. Published Mar 25, 1952. Class 12.

560,606. Bread. Oscar T. Cook, Sr., Kansas City, Mo.
Filed July 9, 1951, Serial No. 616,223. Published Feb. 19, 1952. Class 46.

560,607. Putty. Mautz Paint & Varnish Company, Madison, Wis.
Filed July 10, 1951, Serial No. 616,294. Published Mar. 25, 1952. Class 12.

560,608. Putty. Mautz Paint & Varnish Company, Madison, Wis.
Filed July 10, 1951, Serial No. 616,295. Published Mar. 25, 1952. Class 12.

560,609. Putty. Mautz Paint & Varnish Company, Madison, Wis.
Filed July 10, 1951, Serial No. 616,296. Published Mar. 25, 1952. Class 12.

560,610. Precut Blanks for Forming Filter Bags, and Wholly Prefabricated Filter Bags, Both Formed of a Fabric Composed of Wool and Synthetic Fibers Designed for Filtering Gases and Liquids. Portland Woolen Mills, Inc., Portland, Oreg.
Filed July 17, 1951, Serial No. 616,608. Published Apr. 1, 1952. Class 31.

560,611. Radio Antenna. The Ward Products Corporation, Cleveland, Ohio.
Filed July 21, 1951, Serial No. 616,786. Published Feb. 26, 1952. Class 21.

560,612. Electrically Illuminated Display Signs. Neon Products, Inc., Lima, Ohio.
Filed July 25, 1951, Serial No. 616,918. Published Feb. 26, 1952. Class 21.

560,613. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed July 28, 1951, Serial No. 617,076. Published Apr. 1, 1952. Class 39.

560,614. Women's, Misses', and Children's Clothing and Accessories — Namely, Slips, Pajamas, Dressing Gowns, Housecoats, Panties, Dresses, Jackets, Suits, Blouses, Outershirts, Skirts, Jumpers, Sweaters, Brassières, and Coats. Spiegel, Inc., Chicago, Ill.
Filed July 28, 1951, Serial No. 617,098. Published Mar. 25, 1952. Class 39.

560,615. Liquid and Paste Wax for Use on Floors, Furniture, and Linoleum. C. A. Nash & Son, Inc., Norfolk, Va.
Filed Aug. 1, 1951, Serial No. 617,203. Published Apr. 1, 1952. Class 4.

560,616. Aromatic Masking Agents for Masking Odors of Formaldehyde, Etc. Fritzsche Brothers, Inc., New York, N. Y.
Filed Aug. 2, 1951, Serial No. 617,241. Published Apr. 1, 1952. Class 6.

560,617. Web Belts for Personal Wear. Gemsco, Inc., New York, N. Y.
Filed Aug. 2, 1951, Serial No. 617,243. Published Mar. 25, 1952. Class 39.

560,618. Rifle Bullets, Rifle Bullet Jackets, Gas Checks for Lead Rifle Bullets, and Rifle Front Sight Ramps. Harris Machine Company, Rivera, Calif.
Filed Aug. 2, 1951, Serial No. 617,249. Published Apr. 1, 1952. Class 9.

560,619. Composition of Zinc Hydrosulphite and an Organic Acid. Virginia Smelting Company, West Norfolk, Va.
Filed Aug. 2, 1951, Serial No. 617,271. Published Mar. 25, 1952. Class 6.

560,620. Anti-Freeze Solutions for the Cooling Systems of Internal Combustion Engines. Monsanto Chemical Company, St. Louis, Mo.
Filed Aug. 3, 1951, Serial No. 617,305. Published Mar. 25, 1952. Class 6.

560,621. Liquified Petroleum Gas. Southern Gas Corporation, Atlanta, Ga.
Filed Aug. 4, 1951, Serial No. 617,357. Published Mar. 25, 1952. Class 6.

560,622. Boys' Pajamas, Shirts, Pants, Caps, and Belts. Reliance Manufacturing Company, Chicago, Ill.
Filed Aug. 11, 1951, Serial No. 617,589. Published Mar. 25, 1952. Class 39.

560,623. Chemical Compound for Preventing Scale. Universal Refining Products Co., Inc., New York, N. Y.
Filed Aug. 14, 1951, Serial No. 617,682. Published Apr. 8, 1952. Class 6.

560,624. Hydraulic and Pneumatic Packings Molded From Neoprene for Use as Pressure Seals in Hydraulic and Pneumatic Cylinders, Presses, and Valves. Perliflex, Inc., Hazel Park, Mich.
Filed Aug. 15, 1951, Serial No. 617,728. Published Apr. 8, 1952. Class 35.

560,625. Piston Rings. Koppers Company, Inc., Pittsburgh, Pa.
Filed Aug. 28, 1951, Serial No. 618,169. Published Apr. 8, 1952. Class 35.

560,626. Piston Rings. Perfect Circle Corporation, Hagerstown, Ind.
Filed Aug. 28, 1951, Serial No. 618,178. Published Apr. 8, 1952. Class 35.

560,627. Inflatable Toy Worn as a Headpiece for Amusement Purposes. Ideal Toy Corporation, Hollis, N. Y.
Filed Aug. 30, 1951, Serial No. 618,235. Published Apr. 1, 1952. Class 22.

560,628. Men's, Boys', and Children's Outer Garments Consisting of Coats, Sport Shirts, and Lounging and Sport Jackets. Crown Togs Sportswear Co., New York, N. Y.
Filed July 19, 1951, Serial No. 618,268. Published Mar. 25, 1952. Class 39.

560,629. Fertilizers. Atkins & Durbrow, Inc., New York, N. Y.
Filed Aug. 31, 1951, Serial No. 618,279. Published Apr. 1, 1952. Class 10.

560,630. Men's and Boys' Suits, Topcoats, Overcoats, Slacks, and Pants. Atlantic Clothing Co., Inc., New York, N. Y.
Filed Aug. 31, 1951, Serial No. 618,282. Published Mar. 25, 1952. Class 39.

560,631. Women's Dresses. Rosen & Son Dress Co., Inc., Boston, Mass.
Filed Sept. 14, 1951, Serial No. 618,818. Published Apr. 1, 1952. Class 39.

560,632. Garden Hose. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed Sept. 15, 1951, Serial No. 618,851. Published Mar. 25, 1952. Class 35.

560,633. Brassières. Caprice of Hollywood, Los Angeles, Calif.
Filed Sept. 17, 1951, Serial No. 618,882. Published Apr. 1, 1952. Class 39.

560,634. Yarn of a Crimp Nature for Knitted and Woven Fabrics, Hosiery, Underwear, Wearing Apparel, and Decorative Fabrics. Clarence L. Meyers & Co., Philadelphia, Pa.
Filed Sept. 19, 1951, Serial No. 618,982. Published Apr. 1, 1952. Class 43.

560,635. Wool Yarns. Spinnerin Yarn Co., Inc., South Hackensack, N. J.
Filed Sept. 20, 1951, Serial No. 619,042. Published Apr. 1, 1952. Class 43.

560,636. Mineral Oil Product for Processing Fibers and Fabrics. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Sept. 28, 1951, Serial No. 619,359. Published Mar. 25, 1952. Class 6.

560,637. Amine Alginate. Kelco Company, San Diego, Calif.
Filed Oct. 8, 1951, Serial No. 619,704. Published Apr. 8, 1952. Class 6.

560,638. Stabilized Azoic Dyestuffs. Alliance Color & Chemical Company, Newark, N. J.
Filed Oct. 9, 1951, Serial No. 619,733. Published Apr. 8, 1952. Class 6.

560,639. Regenerating Salt Used in Zeolite Softeners. Calgon, Incorporated, Pittsburgh, Pa.
Filed Dec. 11, 1951, Serial No. 622,325. Published Apr. 8, 1952. Class 6.

Service Marks

560,640. Transportation of Freight by Automobile Truck. J. F. Martin Cartage Co., Chicago, Ill.
Filed Jan. 2, 1948, Serial No. 546,007. Published Apr. 1, 1952. Class 105.

560,641. Hotel Development Services—Namely, Consultation and Advice in the Planning, Designing, Constructing, Equipping, and Decorating of New Hotels. Intercontinental Hotels Corporation, New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,150. Published Apr. 8, 1952. Class 100.

560,642. Service Consisting of Accepting Savings and Making Loans With Funds of Depositors. Glendale Federal Savings & Loan Association, Glendale, Calif.
Filed July 15, 1950, Serial No. 600,722. Published Mar. 18, 1952. Class 102.

560,643. Advertising and Sales Promotion Services—Namely, the Design, Development, and Preparation of Advertising Material for Manufacturers of Food Products, Needlework, Toys, Novelties, and Household Commodities. Leo P. Bott, Jr., Chicago, Ill.
Filed Jan. 8, 1951, Serial No. 608,490. Published Apr. 1, 1952. Class 101.

560,644. Restaurant Services. Charles S. Allis, Wichita, Kans.
Filed Jan. 29, 1951, Serial No. 609,350. Published Apr. 8, 1952. Class 100.

560,645. Treating Bowling Pins, Tool Handles, and Other Articles for the Purpose of Preserving and Protecting the Same by Applying a Plastic Coating Thereto Either After Mechanically Treating the Surfaces of the Articles To Recontour the Same or Without Such Treatment. Mason Plastics Co., Inc., Kansas City, Kans.
Filed Jan. 29, 1951, Serial No. 609,368. Published Apr. 8, 1952. Class 103.

560,646. Research and Development in New Products, Applied Uses of Known Products and Fundamental Research in All Forms of Structural Clay Products Which Is Made Available to Members of the Structural Clay Products Industry. Structural Clay Products Research Foundation, Chicago, Ill.
Filed May 24, 1951, Serial No. 614,318. Published Apr. 8, 1952. Class 100.

560,647. Research and Development in New Products, Applied Uses of Known Products and Fundamental Research in All Forms of Structural Clay Products Which Is Made Available to Members of the Structural Clay Products Industry. Structural Clay Products Research Foundation, Chicago, Ill.
Filed May 26, 1951, Serial No. 614,414. Published Apr. 8, 1952. Class 100.

560,648. Moving, Transfer, and Storage of All Types of Household and Office Furniture and Equipment, the Moving Thereof Being Accomplished by Motor Van. H. E. Brinkerhoff and Sons Transportation Co., Harrisburg, Pa.
Filed June 14, 1951, Serial No. 615,151. Published Apr. 1, 1952. Class 105.

560,649. Air Transportation of Passengers, Mail, and Express. Chicago & Southern Air Lines, Inc., Memphis, Tenn.
Filed June 14, 1951, Serial No. 615,155. Published Apr. 1, 1952. Class 105.

Collective Marks

560,650. Plywood. Douglas Fir Plywood Association, Tacoma, Wash.
Filed June 20, 1950, Serial No. 599,421. Published Mar. 18, 1952. Class 12.

560,651. Organizing of Chapters in a National Collegiate Fraternity and Maintaining Membership Therein. The Grand Chapter of Phi Sigma Kappa, Chicago, Ill.
Filed June 26, 1950, Serial No. 599,760. Published Apr. 1, 1952. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

560,652. (Class 39. Clothing.) Foreman & Clark, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Feb. 13, 1948; amended to application, Supplemental Register, Apr. 7, 1952, Serial No. 549,625.

Tri-Sportster

For Men's Three-Piece Suits, Including Coats.
Claims use since October 1940.

560,653. (Class 2. Receptacles.) Teale Machine Company, Rochester, N. Y. Original filed, act of 1946, Principal Register, June 8, 1948; amended to application, Supplemental Register, May 24, 1951, Serial No. 558,762.

Tagtube

For Metal Tube for Enclosing a Name and Address Identification Sheet.
Claims use since Jan. 6, 1948.

560,654. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Pullman-Standard Car Manufacturing Company, Chicago, Ill., assignee of Isaacson Iron Works, Inc. Original filed, act of 1946, Principal Register, July 16, 1948; amended to application, Supplemental Register, Feb. 11, 1952, Serial No. 561,569.

KARRY-KART

Applicant claims ownership of Registration No. 334,618.
For Mobile Logging Cranes.
Claims use since Apr. 30, 1948.

560,655. (Class 39. Clothing.) Mavest, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 28, 1948; amended to application, Supplemental Register, Dec. 8, 1949, Serial No. 562,378.

The Woodstock

For Men's Coats.
Claims use since October 1947.

560,656. (Class 46. Foods and Ingredients of Foods.) Fino Fabrieken, Harderwijk, Netherlands. Original filed, act of 1946, Principal Register, Sept. 16, 1948; amended to application, Supplemental Register, June 8, 1951, Serial No. 565,253.

FINO

For Canned Soups; Canned and Powdered Soup Bases; Cubes and Powder for Making Gravies; Gelatine Aspic; Mayonnaise; Salad Dressing; French Dressing; Vinegar; Mustard; Spaghetti Sauce; Glutamate Seasoning; Flavors and Seasoning for Stews and Gravies; Onion Flakes and Onion Powder; Mixed Vegetable Flakes; Food Flavoring Extracts; Food Flavoring Herbs and Spices; Gelatine Desserts; Pudding Powders; Lemon Pie Base; Evaporated Apples; Fruit Preserves; Jams and Jellies; Canned Berries; Table Syrup; Beef Tea Cubes and Paste; and Chicken Broth Paste.
Claims use since Dec. 23, 1941 in the Netherlands and first used in commerce between the Netherlands and the United States in May 1949.

560,657. (Class 39. Clothing.) Tru-Stitch Moccasin Corporation, Malone, N. Y. Original filed, act of 1946, Principal Register, Nov. 8, 1948; amended to application, Supplemental Register, July 18, 1951, Serial No. 568,410.



For Women's, Misses', and Children's Shoes, Slippers, and Moccasins Made of Leather, Fabric, or Compositions or Combinations Thereof.
Claims use since July 1948.

560,658. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Alden Speare's Sons Co., Cambridge, Mass. Original filed, act of 1946, Principal Register, Nov. 16, 1948; amended to application, Supplemental Register, Mar. 10, 1952, Serial No. 568,870.

ROLIT

For Knife Sharpening Machines.
Claims use since Oct. 28, 1949.

560,659. (Class 2. Receptacles.) Wolf Brothers, Inc., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Jan. 3, 1949; amended to application, Supplemental Register, Mar. 18, 1952, Serial No. 571,592.

LOOP-LOK

For Paper Bags and Paper Merchandise Envelopes.
Claims use since Nov. 5, 1948.

560,660. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Twin Disc Clutch Company, Racine, Wis. Original filed, act of 1946, Principal Register, Jan. 10, 1949; amended to application, Supplemental Register, Jan. 27, 1950, Serial No. 571,924.

HYDRO-SHEAVE

For Power Transmission Unit Consisting of a Hydraulic Coupling Arranged for Detachable Connection to a Sheave or a Chain Sprocket of the Plate Type.
Claims use since Nov. 23, 1948.

560,661. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Karrier Motors Limited, Coventry, England. Filed Mar. 11, 1949, Serial No. 575,270.

KARRIER

Applicant claims ownership of British Registration No. B404,462, dated May 25, 1920.

For Road Sweepers—Namely, Motor Road Vehicles Having Power-Driven Rotary Cylindrical Brushes for the Purpose of Sweeping Dirt Off a Road Surface.

560,662. (Class 2. Receptacles.) Grand Bag & Paper Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 3, 1949; amended to application, Supplemental Register, Nov. 3, 1950, Serial No. 581,186.

WAX IN ATED
FOR *LOCKED* PROTECTION

For Waxed and Unwaxed Paper Bags for Foodstuffs.
Claims use since May 1948.

560,663. (Class 46. Foods and Ingredients of Foods.) Glen Hall Brands, Glen Ridge, N. J. Original filed, act of 1946, Principal Register, Jan. 17, 1950; amended to application, Supplemental Register, Dec. 13, 1951, Serial No. 590,977.

CHARCRUST
BROIL-IT

For Seasoning in Granular Form for Meats, Fish and the Like, Consisting of Salt, Sugar, Herbs, Spices, and Other Ingredients.
Claims use since Mar. 11, 1949.

560,664. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Ware Machine Works, Inc., Ware, Mass. Original filed, act of 1946, Principal Register, Mar. 17, 1950; amended to application, Supplemental Register, May 17, 1951, Serial No. 594,162.

WARE HYDRO-LOADER

For Tractor Mounted Loaders and Parts Thereof.
Claims use since Oct. 1, 1949.

560,665. (Class 2. Receptacles.) Tri-State Plastic Molding Co., Henderson, Ky. Original filed, act of 1946, Principal Register, Apr. 8, 1950; amended to application, Supplemental Register, Apr. 15, 1952, Serial No. 595,481.

FREEZ-R-WARE

For Covered Plastic Boxes for Holding and Preserving Food.
Claims use since Mar. 17, 1950.

560,666. (Class 2. Receptacles.) Williams Wilbert Vault Works, Des Moines, Iowa. Original filed, act of 1946, Principal Register, May 16, 1950; amended to application, Supplemental Register, Apr. 17, 1952, Serial No. 597,557.

THE VALUE VAULT

For Burial Vaults.
Claims use since Apr. 19, 1950.

560,667. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Household Company, Chicago, Ill. Original filed, act of 1946, Principal Register, June 1, 1950; amended to application, Supplemental Register, Oct. 19, 1951, Serial No. 598,420.

STA-KEEN

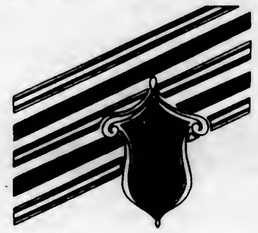
For Cutlery—Namely, Knives, Forks, and Sharpening Steels.
Claims use since Mar. 21, 1950.

560,668. (Class 26. Measuring and Scientific Appliances.) Niles-Bement-Pond Company, West Hartford, Conn. Original filed, act of 1946, Principal Register, June 6, 1950; amended to application, Supplemental Register, June 7, 1951, Serial No. 598,670.

TRI-ROLL

For Dimensional Gages.
Claims use since 1927.

560,669. (Class 39. Clothing.) I. Shalom & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 17, 1950; amended to application, Supplemental Register, Dec. 29, 1951, Serial No. 599,348. The drawing is lined for the color red.



For Handkerchiefs.
Claims use since Jan. 3, 1950.

560,670. (Class 7. Cordage.) American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Original filed, act of 1946, Principal Register, June 27, 1950; amended to application, Supplemental Register, Mar. 20, 1952, Serial No. 599,802.

Handy Coils

For Rope, Cord, and Twine Manufactured From Vegetable Fibre.
Claims use since Feb. 15, 1950.

560,671. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) The Daybrook Hydraulic Corporation, Bowling Green, Ohio. Original filed, act of 1946, Principal Register, July 6, 1950; amended to application, Supplemental Register, Mar. 26, 1952, Serial No. 600,258.

Power Gate

For Hydraulically Operated Combined Load-Lifting and Lowering Platform and Tail-Gate Assemblies for Vehicles.
Claims use since Feb. 17, 1948.

560,672. (Class 21. Electrical Apparatus, Machines and Supplies.) Shureflash Laboratory, Inc., Newport, Ky. Original filed, act of 1946, Principal Register, July 8, 1950; amended to application, Supplemental Register, May 25, 1951, Serial No. 600,396.

SHUREFLASH

For Cartridges for Insertion in Photo-Flash Guns in Place of the Conventional Batteries, the Cartridge Containing a Battery and Capacitor Arranged To Discharge Surges of Energy for Firing Flash Lamps.
Claims use since Apr. 5, 1950.

560,673. (Class 10. Fertilizers.) Soylaid Incorporated, Corpus Christi, Tex. Original filed, act of 1946, Principal Register, Aug. 8, 1950; amended to application, Supplemental Register, Sept. 7, 1951, Serial No. 601,955.

"SOYLAID"

For Natural Deposit of Mineral Soil Used as a Soil Conditioner.
Claims use since Oct. 10, 1946.

560,674. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Eskimo Pie Corporation, Bloomfield, N. J. Original filed, act of 1946, Principal Register, Oct. 7, 1950; amended to application, Supplemental Register, Nov. 21, 1951, Serial No. 604,576.

Twin Knob

For Wooden Sticks for Carrying Frozen Confections.
Claims use since Jan. 20, 1950.

560,675. (Class 21. Electrical Apparatus, Machines and Supplies.) The Hoover Company, North Canton, Ohio. Original filed, act of 1946, Principal Register, Oct. 14, 1950; amended to application, Supplemental Register, Sept. 5, 1951, Serial No. 604,912.

HOOVER

Applicant claims ownership of Registrations Nos. 130,756, 165,890, and others.
For Electric Floor Polishers and Parts Thereof.
Claims use since May 31, 1950.

560,676. (Class 21. Electrical Apparatus, Machines and Supplies.) Man-U-Tech, Inc., Fort Wayne, Ind. Original filed, act of 1946, Principal Register, Oct. 24, 1950; amended to application, Supplemental Register, Apr. 25, 1952, Serial No. 605,366.

MINUT-BUN

The word "Bun" is disclaimed.
For Electric Pocket Bun Toaster.
Claims use since July 22, 1950.

560,677. (Class 46. Foods and Ingredients of Foods.) Hoben Candy Corp., Ashley, Ill. Original filed, act of 1946, Principal Register, Dec. 27, 1950; amended to application, Supplemental Register, Nov. 5, 1951, Serial No. 608,111.

HOBEN'S
Chocolate
MALTED

For Candy.
Claims use since Aug. 10, 1950.

560,678. (Class 21. Electrical Apparatus, Machines and Supplies.) Edwin L. Wiegand Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Jan. 19, 1951; amended to application, Supplemental Register, Nov. 19, 1951, Serial No. 609,017.

THERMWIRE

For Electric Heaters Each Comprising a Relatively Long Length of an Insulated Resistor, Embedded or Incorporated in Earth or Other Substance To Heat the Same, To Be Distributed Under a Carpet or Rug To Supply Heat to the Room in Which the Rug or Carpet Is Located, and for Other Appropriate Purposes.
Claims use since Nov. 15, 1950.

560,679. (Class 21. Electrical Apparatus, Machines, and Supplies.) Perrine Quality Products Corporation, Waltham, Mass. Original filed, act of 1946, Principal Register, Feb. 5, 1951; amended to application, Supplemental Register, Mar. 19, 1952, Serial No. 609,663.

SAF-T-LEVEL

For Storage Batteries and Parts Therefor.
Claims use since Jan. 23, 1951.

560,680. (Class 46. Foods and Ingredients of Foods.) Live Food Products Co., Burbank, Calif., assignee of Paul C. Bragg, doing business as Live Food Products Company. Original filed, act of 1946, Principal Register, Apr. 6, 1951; amended to application, Supplemental Register, Apr. 14, 1952, Serial No. 612,298.

SANSAL

For Dietary Substitute for Table Salt.
Claims use since Mar. 21, 1951.

560,681. (Class 46. Foods and Ingredients of Foods.) The Great Atlantic and Pacific Tea Company, New York, N. Y. Original filed, act of 1946, Principal Register, May 10, 1951; amended to application, Supplemental Register, Apr. 23, 1952, Serial No. 613,709.

Black Kewpies

For Candy.
Claims use since Apr. 16, 1951.

560,682. (Class 26. Measuring and Scientific Appliances.) Compco Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, May 31, 1951; amended to application, Supplemental Register, Jan. 8, 1952, Serial No. 614,539.

"the Family Camera"

For Cameras.
Claims use since Dec. 15, 1950.

560,683. (Class 26. Measuring and Scientific Appliances.) Mission Dry Corporation, Los Angeles, Calif. Original filed, act of 1946, Principal Register, June 22, 1951; amended to application, Supplemental Register, Jan. 14, 1952, Serial No. 615,565.

Meterite

For Measuring and Dispensing Apparatus for Soft Drinks and Syrups of Both Coin-Control and Manually Operated Type.
Claims use since May 15, 1950.

560,684. (Class 2. Receptacles.) Henri Bendel, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 28, 1951; amended to application, Supplemental Register, Apr. 24, 1952, Serial No. 617,082.

Shoe Windows

For Shoe Bags.
Claims use since July 31, 1950.

560,685. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) J. Bobst & Fils S. A., Prilly-Lausanne, Switzerland. Filed Dec. 29, 1951, Serial No. 622,989.

BOBST

For Machines for the Paper and Cardboard Box Industry—Namely, Machines for Creasing, Scoring, Bending, Punching, Cutting, Printing and Glueing Paper, Cardboard, and Corrugated Board for Forming Same into Boxes, Cartons and Similar Containers, and Structural and Repair Parts Thereof.
Claims use since Feb. 17, 1919, and first used in commerce between Switzerland and the United States and among the several States of the United States on May 10, 1949.

Service Mark

560,686. (Class 100. Miscellaneous.) Marc Klaw, doing business as Skyphotos, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Oct. 6, 1948; amended to application, Supplemental Register, June 6, 1951, Serial No. 540,079.

SKYPHOTOS

For Aerial Photography.
Claims use since Sept. 28, 1947.

TRADE-MARK REGISTRATIONS RENEWED

38,841. COLONIAL. Registered Aug. 26, 1902. Colonial Works, Boonton, N. J. Re-renewed Aug. 26, 1952, to Colonial Works, Brooklyn, N. Y., a corporation of New Jersey. Paints, Putty, Varnishes, Enamels, Fillers, Etc. Class 12.

83,246. AJAX. Registered Aug. 29, 1911. Bernard J. Goldstein. Re-renewed Aug. 29, 1951, to Howard R. Carlough, doing business as The Safety Fire Extinguisher Co., New York, N. Y. Chemical Fire Engines. Class 23.

85,910. "L.P.L. PEPTOMINT GUM" AND DESIGN. Registered Mar. 26, 1912. L. P. Larson, Jr. Company. Re-renewed Mar. 26, 1952, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware. Chewing-Gum. Class 46.

85,922. STANDARD OIL COMPANY S O. Registered Mar. 26, 1912. Standard Oil Company, Bayonne, N. J. Re-renewed Mar. 26, 1952, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

86,265. NOKO. Registered Apr. 30, 1912. Ansco Company, Binghamton, N. Y. Re-renewed Apr. 30, 1952, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Photographic Developing-Paper. Class 26.

86,421. "GBD" WITHIN OVAL DESIGN. Registered May 7, 1912. Marechal, Ruchon & Co., Ltd., London, England, and Paris, France, a corporation organized under the laws of Great Britain. Re-renewed May 7, 1952. Tobacco-Pipes, Cigar and Cigarette Holders. Class 8.

86,520. BIG BUCK. Registered May 14, 1912. Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Re-renewed May 14, 1952. Work Shirts and Trousers. Class 39.

86,642. UNIVERSAL. Registered May 21, 1912. Universal Optical Corporation. Re-renewed May 21, 1952, to Universal Optical Company, Inc., Providence, R. I., a corporation of Rhode Island. Eyeglasses and Eyeglass Mountings or Frames and Parts Thereof. Class 26.

86,755. OCEANIC. Registered May 28, 1912. Columbian Rope Company, Auburn, N. Y., a corporation of New York. Re-renewed May 28, 1952. Manila and Sisal Rope and Cordage. Class 7.

87,369. "CHERRY ROCHER" ETC. AND DESIGN. Registered July 9, 1912. Rocher Frères. Re-renewed July 9, 1952, to Societe a Responsabilite Limitee Rocher Freres, La Cote-Saint-Andre, France, a corporation organized under the laws of the Republic of France. Liquors Made With Cherries. Class 49.

87,919. PENFLEX. Registered Aug. 13, 1912. Pennsylvania Flexible Metallic Tubing Company, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Aug. 13, 1952. Metal Hose. Class 35.

88,011. FOOTOGRAPH. Registered Aug. 20, 1912. Solomon Mayer, Boston, Mass. Re-renewed Aug. 20, 1952, to Geo. E. Keith Company, Brockton, Mass., a corporation of Massachusetts. Foot-Measuring Charts. Class 26.

88,097. POINTEX. Registered Aug. 27, 1912. Lord & Taylor. Re-renewed Aug. 27, 1952, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. Hosiery. Class 39.

88,169. "LA DILIGENCIA" ETC. AND DESIGN. Registered Sept. 3, 1912. Bernardo Moreday y Deben, Habana, Cuba. Re-renewed Sept. 3, 1952, to Corral, Wodiska y Ca., Tampa, Fla., a corporation of Florida. Cigars. Class 17.

88,292. THE SPORT. Registered Sept. 10, 1912. M. Hohner. Re-renewed Sept. 10, 1952, to M. Hohner, Inc., New York, N. Y., a corporation of New York. Harmonicas. Class 36.

88,293. BLUE RIBBON. Registered Sept. 10, 1912. M. Hohner. Re-renewed Sept. 10, 1952, to M. Hohner, Inc., New York, N. Y., a corporation of New York. Harmonicas. Class 36.

281,217. "GLEFINA" ETC. AND DRAWING. Registered Mar. 10, 1931. Fernando A. Rubio and Raul Roviralta, doing business as Laboratorios Andromaco, Barcelona, Spain, a firm of Spain. Renewed Mar. 10, 1951. Cod-Liver Oil, General Tonics, Laxative Medicines; Etc. Class 18.

284,676. SAFETY FIREBUCKET TANK. Registered July 7, 1931. Howard R. Carlough, doing business as The Safety Fire Extinguisher Co., New York, N. Y. Renewed July 7, 1951. Fire Buckets. Class 2.

289,601. SCRIBONA. Registered Dec. 1, 1931. Scribbans & Company Limited. Renewed Dec. 1, 1951, to Scribbans-Kemp, Limited, Smethwick, England, a limited liability company registered under the laws of Great Britain. Cakes, Biscuits, Puddings, Mincemeat, Etc. Class 46.

291,958. REPRESENTATION OF CROSS. Registered Feb. 23, 1932. Seabury & Johnson, East Orange, N. J., and New York, N. Y. Renewed Feb. 23, 1952, to Seabury, Inc., New Brunswick, N. J., a corporation of New Jersey. Lubricating Jelly. Class 18.

292,241. THE GLASS PACKER. Registered Mar. 8, 1932. Ogden-Watney Publishers, Inc. Renewed Mar. 8, 1952, to Ogden Publishing Company, New York, N. Y., a firm. Monthly Publication. Class 38.

292,242. "Q" ETC. Registered Mar. 8, 1932. Ethyl Gasoline Corporation. Renewed Mar. 8, 1952, to Ethyl Corporation, New York, N. Y., a corporation of Delaware. Anti-Knock Fluid. Class 6.

292,282. PARCOLITE. Registered Mar. 8, 1932. Parker Rust-Proof Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 8, 1952. Preparation for Cleaning Metal Surfaces Etc. Class 52.

292,351. "QUERCYL" ETC. AND DESIGN. Registered Mar. 15, 1932. Joseph Gabriel Albert Jarraud, doing business as Albert Jarraud. Renewed Mar. 15, 1952, to Charles Jarraud, Chateauneuf-sur-Charente, France. Quercitannic Extracts. Class 6.

292,470. WORCESTER. Registered Mar. 15, 1932. Worcester Salt Co., New York, N. Y. Renewed Mar. 15, 1952, to Morton Salt Company, Chicago, Ill., a corporation of Illinois. Tooth Paste, Tooth Powder, Mouth Wash. Class 51.

292,495. SHELL. Registered Mar. 15, 1932. Shell Oil Company, San Francisco, Calif. Renewed Mar. 15, 1952, to Shell Oil Company, New York, N. Y., a corporation of Delaware. Liquefied Gas. Class 6.

292,503. DANYA. Registered Mar. 15, 1932. Pond's Extract Company. Renewed Mar. 15, 1952, to Les Parfums De Dana, Inc., New York, N. Y., a corporation of New York. Tissue Paper (Adapted for Removing Cold Cream, for Handkerchiefs, and for Similar Purposes). Class 37.

292,512. RADEMAKER. Registered Mar. 15, 1932. Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao & Chocoladefabrieken, doing business as Rademaker Royal Cocoa and Chocolate Works. Renewed Mar. 15, 1952, to Rademaker's Koninklijke Cacao- en Chocoladefabrieken N. V., The Hague, Netherlands, a corporation organized under the laws of the Kingdom of The Netherlands. Coffee Flavored Candies of the Type Known as Hopjes, Solid Chocolate, Assorted Chocolates, Cocoa, and Other Candy. Class 46.

292,515. COMO INN. Registered Mar. 15, 1932. Joseph Marchetti, Chicago, Ill. Renewed Mar. 15, 1952. Spaghetti Dinners Consisting of Uncooked Spaghetti, Grated Cheese, and Sauce. Class 46.

292,575. "JIT" ETC. Registered Mar. 15, 1932. Southern Drug Co., Inc., Shreveport, La. Renewed Mar. 15, 1952, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Chemical Preparation Used as a Disinfectant, Germicide, Deodorant and Insecticide. Class 6.

292,693. GREENLUBE. Registered Mar. 22, 1932. U. S. Oil Company, East Providence, R. I., a corporation of Rhode Island. Renewed Mar. 22, 1952. Lubricants. Class 15.

292,736. "RID-ITCH" ETC. AND DRAWING. Registered Mar. 29, 1932. William Ralston Lecky, Jr., doing business as Lecky's Drug Co., Richmond, Va. Renewed Mar. 29, 1952. Preparation for Treating Irritations of the Skin. Class 18.

292,892. REPRESENTATION OF SHELL. Registered Mar. 29, 1932. Shell Oil Company, San Francisco, Calif. Renewed Mar. 29, 1952, to Shell Oil Company, New York, N. Y., a corporation of Delaware. Liquefied Gas. Class 6.

293,000. PERSONAL NAPKINS. Registered Apr. 5, 1932. Belix Corporation, St. Louis, Mo., a corporation of Missouri. Renewed Apr. 5, 1952. Sanitary Napkins. Class 44.

293,040. UCO. Registered Apr. 5, 1932. United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Renewed Apr. 5, 1952, to The Littleway Process Company, Boston, Mass., a corporation of Massachusetts. Shoes Constructed Substantially Wholly of Leather or of Leather and Fabric. Class 39.

293,060. "ARMORPLY" ETC. AND DRAWING. Registered Apr. 5, 1932. United States Plywood Co. Inc. Renewed Apr. 5, 1952, to United States Plywood Corporation, New York, N. Y., a corporation of New York. Metal-Faced Plywood and Veneer Wood Faced With Metal on One or Both Sides. Class 12.

293,393. SOYOL. Registered Apr. 19, 1932. A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware. Renewed Apr. 19, 1952. Salad and Cooking Oil. Class 46.

293,423. SLACKROY. Registered Apr. 19, 1932. A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Renewed Apr. 19, 1952. Corduroys in the Piece. Class 42.

293,596. SAFETY LANE. Registered May 3, 1932. Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois. Renewed May 3, 1952. Automobile Testing Appliances—Namely, Brake Testers, Wheel-Alignment Indicators, and Headlight Testers. Class 26.

293,631. "RHINO LEDGER" ETC. AND DRAWING. Registered May 3, 1932. Oregon Pulp and Paper Co., Salem, Oreg. Renewed May 3, 1952, to Oregon Pulp and Paper Company, Portland, Oreg., a corporation of Oregon. Mimeograph and Bond Paper. Class 37.

293,647. PERSONAL. Registered May 3, 1932. The Yale & Towne Manufacturing Co., Stamford, Conn. Renewed May 3, 1952, to The Yale & Towne Manufacturing Company, New York, N. Y., a corporation of Connecticut. Locks. Class 25.

293,789. ZEPHYROY. Registered May 3, 1932. A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. Renewed May 3, 1952. Corduroys in the Piece. Class 42.

293,842. EAGLE BRAND. Registered May 10, 1932. Economy Nursery Company, Little Silver, N. J., a firm. Renewed May 10, 1952. Rose Bushes, Shrubs, Vines, Etc. Class 1.

293,867. PETROLANE. Registered May 10, 1932. Petrolane, Ltd., Long Beach, Calif. Renewed May 10, 1952, to Petrolane, Ltd., Signal Hill, Calif., a corporation of California. Liquid and Gaseous Fuels Dispensed Under Pressure in Containers and in a Liquid State and Which Fuels Become Gaseous Under Atmospheric Pressure and Normal Temperatures. Class 6.

293,869. REPRESENTATION OF GREEK CHARACTERS (ALPHA OMICRON PI). Registered May 10, 1932. Alpha Omicron Pi, State College, Pa. Renewed May 10, 1952, to Alpha Omicron Pi, Oxford, Ohio, a voluntary association. Fraterity Badges, Lapel Buttons; Scarf, Lapel and Breast Pins; Etc. Class 28.

293,875. TISSUELASTIC. Registered May 10, 1932. Kops Bros., Inc., New York, N. Y., a corporation of New York. Renewed May 10, 1952. Elastic Body-Confining Belts, Girdles, Brassières, Etc. Class 39.

294,185. CLIMAX. Registered May 24, 1932. H. D. Hudson Manufacturing Company, Chicago, Ill., and Hastings, Minn. Renewed May 24, 1952, to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota. Sprayers for Spraying Liquids. Class 23.

294,309. POWACALL. Registered May 24, 1932. Edwards and Company, Inc., New York, N. Y. Renewed May 24, 1952, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus Consisting of Electric Transformers Such as Bell-Ringing or Similar Low Power-Output Transformers. Class 21.

294,310. RINGCALL. Registered May 24, 1932. Edwards and Company, Inc., New York, N. Y. Renewed May 24, 1952, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus, Consisting of Electrically Operated Bells Such as Signaling Bells. Class 21.

294,311. MELOCALL. Registered May 24, 1932. Edwards and Company, Inc., New York, N. Y. Renewed May 24, 1952, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus, Consisting of Electrically Operated Bells Such as Signaling Bells. Class 21.

294,312. TUCALL. Registered May 24, 1932. Edwards and Company, Inc., New York, N. Y. Renewed May 24, 1952, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus, Consisting of Electrically Operated Bells and Buzzers. Class 21.

294,313. BUZACALL. Registered May 24, 1932. Edwards and Company, Inc., New York, N. Y. Renewed May 24, 1952, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus, Consisting of Electrically Operated Buzzers. Class 21.

294,603. THIMBLE THEATRE, STARRING POPEYE. Registered June 7, 1932. King Features Syndicate, Inc. Renewed June 7, 1952, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. Cartoon Strip. Class 38.

294,626. "POUFF" AND DESIGN. Registered June 7, 1932. Kops Bros., Inc., New York, N. Y., a corporation of New York. Renewed June 7, 1952. Corsets, Girdles, Brassières, and Combinations of Girdles and Brassières. Class 39.

294,777. "FOLAX" LINED FOR RED. Registered June 7, 1932. Foley & Company, Chicago, Ill., a corporation of Illinois. Renewed June 7, 1952. Laxative in Chewing Gum Form. Class 18.

294,798. FEATHERETTES. Registered June 7, 1932. Julius Kayser & Co., New York, N. Y., a corporation of New York. Renewed June 7, 1952. Ladies' Underwear. Class 39.

294,934. ANNUNCIETTE. Registered June 14, 1932. Edwards and Company, Inc., New York, N. Y. Renewed June 14, 1952, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus Consisting of Electrically Operated Visual Signaling Devices, Etc. Class 21.

295,008. SILKENIQUE. Registered June 14, 1932. Vanity Fair Silk Mills. Renewed June 14, 1952, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvvania. Piece Goods Consisting of the Mixture of Silk and Synthetic Yarn. Class 42.

295,011. REPRESENTATION OF SHIPPING FRAME WITH BLUE ENDS. Registered June 14, 1932. Sidney Blumenthal & Co., Inc., New York, N. Y., a corporation of New York. Renewed June 14, 1952. Pile Fabrics in the Piece. Class 42.

295,049. "ARROW" ETC. AND DRAWING. Registered June 14, 1932. Arrowsmith Manufacturing Company, New York, N. Y. Renewed June 14, 1952, to Arrowsmith Mfg. Co., Inc., Chicago, Ill., a corporation of New York. Corn, Callous, and Bunion Pads. Class 44.

295,372. JUNIOR. Registered June 28, 1932. Ace Art Company, Reading, Mass., a corporation of Massachusetts. Renewed June 28, 1952. Corner Mounts for Photographs. Class 37.

295,562. "FAMOUS RED LABEL" ETC. AND DESIGN. Registered July 5, 1932. I. Kosloff & Sons, Inc., New York, N. Y., a corporation of New York. Renewed July 5, 1952. Candy. Class 46.

295,696. ALPINE. Registered July 12, 1932. H. C. Hemingway & Company, Inc., Syracuse, N. Y. Renewed July 12, 1952, to H. C. Hemingway & Company, Auburn, N. Y., a corporation of New York. Canned Fruits and Vegetables; and Frosted, Frozen, and Iced Fresh Fruits and Vegetables. Class 46.

295,711. INSELBRIC. Registered July 12, 1932. Robert S. MacLean, doing business as Mastic Asphalt Company, Michigan City, Ind. Renewed July 12, 1952, to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana. Building Covering Materials in the Form of Asphalt Impregnated or Asphalt Mastic or Composition Sheets or Units. Class 12.

295,814. PRESTO. Registered July 12, 1932. The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York. Renewed July 12, 1952. Adhesive Medicated Shields, Pads or Plasters for Corns, Callouses, and Bunions. Class 18.

295,938. FLUSHCALL. Registered July 19, 1932. Edwards and Company, Inc., New York, N. Y. Renewed July 19, 1952, to Edwards Company, Inc., Norwalk, Conn., a corporation of New York. Electrical Goods and Apparatus, Consisting of Electrically-Operated Signaling Bells, Electrically-Operated Buzzers, Etc. Class 21.

296,057. JUNIOR NUACE. Registered July 19, 1932. Ace Art Company, Reading, Mass., a corporation of Massachusetts. Renewed July 19, 1952. Corner Mounts for Photographs. Class 37.

296,244. SOCONY-VACUUM. Registered Aug. 2, 1932. Socony-Vacuum Corporation. Renewed Aug. 2, 1952, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Petroleum and Products of Petroleum With or Without Admixture of Other Materials for Illuminating, Heating, Etc. Class 15.

296,714. DINING CAR. Registered Aug. 16, 1932. Norwine Coffee Company. Renewed Aug. 16, 1952, to Dining Car Coffee Company, St. Louis, Mo., a corporation of Missouri. Tea, Cocoa, Coffee, Food Flavoring Extracts, and Spices. Class 46.

296,868. FIRMA-GRIP. Registered Aug. 23, 1932. Binney & Smith Company, New York, N. Y., a corporation of New Jersey. Renewed Aug. 23, 1952. Adhesive Paste Which Is Sold to the Stationery Trade. Class 5.

296,883. "CAP'N JOHN'S" ETC. AND DRAWING. Registered Aug. 23, 1932. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Aug. 23, 1952. Fresh Oysters. Class 46.

297,014. FERRO. Registered Aug. 30, 1932. The Ferro Machine & Foundry Company. Renewed Aug. 30, 1952, to Ferro Machine & Foundry, Inc., Cleveland, Ohio, a corporation of Ohio. Iron Castings. Class 14.

297,043. "SOLEIL" FELT. Registered Aug. 30, 1932. American Felt Company, New York, N. Y. Renewed Aug. 30, 1952, to American Felt Company, Glenville, Conn., a corporation of Massachusetts. Wool Felt. Class 50.

297,060. QUEEN ANNE. Registered Aug. 30, 1932. Fort Howard Paper Company, Green Bay, Wis. Renewed Aug. 30, 1952, to The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Toilet Paper, Paper Towels, Paper Napkins, Paper Doilies, Etc. Class 37.

297,065. AUTRE CHOSE. Registered Aug. 30, 1932. Houbigant, Inc., New York, N. Y., a corporation of New York. Renewed Aug. 30, 1952. Perfume, Toilet Water, Face Powder, Talcum Powder, Etc. Class 51.

297,204. FANCHON. Registered Sept. 6, 1932. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Sept. 6, 1952, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Toilet Soap. Class 52.

297,242. PALMDALE. Registered Sept. 6, 1932. Sussman, Wormser & Company. Renewed Sept. 6, 1952, to S and W Fine Foods, Inc., San Francisco, Calif., a corporation of California. Canned Fruits, Canned Vegetables, Canned Berries, Dried Fruits, Fruit Preserves. Class 46.

297,247. ETERNIT STONEWALL SIDING. Registered Sept. 6, 1932. Eternit, Inc., St. Louis, Mo., and New York, N. Y. Renewed Sept. 6, 1952, to The Ruberoid Co., New York, N. Y., and Bound Brook, N. J., a corporation of New Jersey. Asbestos-Cement Siding Stripe. Class 12.

298,102. JACK DANIEL. Registered Oct. 11, 1932. Lem Motlow, doing business as Jack Daniel. Renewed Oct. 11, 1952, to Jack Daniel Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn., a corporation of Tennessee. Whiskey. Class 49.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

56,160. CONGRESS BLOTTING. Registered Aug. 28, 1906. Renewed Aug. 28, 1946. District of Columbia Paper Mfg. Co., Washington, D. C. Blottting-Paper. Class 37. Canceled May 29, 1952. Sec. 18.

166,470. FEDERAL. Registered Apr. 3, 1923. Federal Telephone & Telegraph Co., Buffalo, N. Y. Telephone and Telegraph Apparatus and Radio Apparatus—Namely, Radio Receiving Equipment, Etc. Class 21. Canceled May 19, 1952. Canc. No. 5824.

307,202. "HERMAN'S FOOTRUE" AND DESIGN. Registered Oct. 17, 1933. Louis B. Herman, Brooklyn, N. Y. Shoes and Overshoes Made of Leather, Rubber or Fabric, Etc. Class 39. Canceled May 19, 1952. Sec. 18.

311,412. ARISTOCRAT WITH HEART DESIGN. Registered Mar. 20, 1934. Stamatis Polychronopoulos, New York, N. Y. Caviar. Class 46. Canceled May 29, 1952. Canc. No. 5719.

335,338. "STO-AWAY". Registered June 2, 1936. Bertha R. Bright, New York, N. Y. Luggage, Particularly Travelling Cases, Hat and Shoe Cases. Class 3. Canceled Apr. 17, 1952. Sec. 7(d).

344,907. ZEPHYR. Registered Apr. 6, 1937. Harry N. Drucker, Cincinnati, Ohio. Roller Skates. Class 22. Canceled May 19, 1952. Canc. No. 5712.

352,546. Fay Finchley. Registered Nov. 30, 1937. George Hess Co. Inc., New York, N. Y. Women's Dresses. Class 39. Canceled May 19, 1952. Canc. No. 5748.

365,142. TRANSFUSO VAC. Registered Feb. 21, 1939. Baxter Laboratories, Inc., Glenview, Ill. Apparatus for Use in the Transfusion of Blood and Parenteral Liquids. Class 44. Canceled Apr. 18, 1952. Sec. 7(d).

370,462. ATHLETIKA. Registered Aug. 29, 1939. Paul Kenda, San Antonio, Tex. Patent Medicine Composed of Salicylic Acid and Mercurochrome, Etc. Class 18 (formerly Class 6). Canceled May 29, 1952. Canc. No. 5806.

372,166. E-Z-R. Registered Oct. 24, 1939. E-Z-R Products Co., Glendale, Calif. Hand Cleansing Cream, Auto Finish Cleaner, Etc. Class 4. Canceled May 19, 1952. Canc. No. 5765.

377,919. CAL. Registered May 21, 1940. Coe Laboratories, Inc., Chicago, Ill. Dental Prostheses Including Single Tooth Restorations Such as Fillings, Inlays, Crowns, Bridgework, Etc. Class 44. Canceled May 16, 1952. Sec. 7(d).

382,366. BALI TROPICAL. Registered Oct. 22, 1940. Clarence S. Brown & Co., Inc., New York, N. Y. Woven, Netted, and Knitted Fabrics in the Piece and Made of Silk, Etc. Class 42. Canceled May 19, 1952. Canc. No. 5722.

383,660. CENTRI-VAC. Registered Dec. 17, 1940. Baxter Laboratories, Inc., Glenview, Ill. Apparatus for Use in the Transfusion of Blood, Etc. Class 44. Canceled Apr. 17, 1952. Sec. 7(d).

387,573. CARAVAN. Registered May 20, 1941. Lesser Bag Inc., New York, N. Y. Handbags and Pocketbooks. Class 3. Canceled May 19, 1952. Canc. No. 5832.

391,053. EVZONE. Registered Oct. 21, 1941. Constantine J. Skouras, New York, N. Y. Wine. Class 47. Canceled May 19, 1952. Canc. No. 5768.

391,581. PLASMA-VAC. Registered Nov. 18, 1941. Baxter Laboratories, Inc., Glenview, Ill. Apparatus for Use in the Transfusion of Blood, and the Preparation of the Liquid Constituents Thereof, Etc. Class 44. Canceled Apr. 17, 1952. Sec. 7(d).

400,680. TRINIDEX. Registered Mar. 23, 1943. Baxter Laboratories, Inc., Glenview, Ill. Solutions Containing Vitamins or Constituents Thereof and Solutions for Parenteral Therapy Containing Synthesized Constituents of Vitamin B-Complex. Class 18 (formerly Class 6). Canceled Apr. 17, 1952. Sec. 7(d).

405,068. JUST FOR YOU. Registered Jan. 4, 1944. Joseph H. Blaberg, New York, N. Y. Ladies' and Misses' Slips, Nightgowns, Etc. Class 39. Canceled May 19, 1952. Canc. No. 5814.

407,734. "CERTIFIED LABORATORY CAL SERVICE" AND DESIGN. Registered June 20, 1944. Coe Laboratories, Inc., Chicago, Ill. Dental Prostheses. Class 44. Canceled May 21, 1952. Sec. 7(d).

435,259. LIBERTY MULTIPLE. Registered Dec. 16, 1947. Liberty Fire Apparatus Co., Inc., Roanoke, Va. Fire Hose. Class 35. Canceled May 19, 1952. Sec. 18.

435,260. LIBERTY PAK-RITE. Registered Dec. 16, 1947. Liberty Fire Apparatus Co., Inc., Roanoke, Va. Fire Hose. Class 35. Canceled May 19, 1952. Sec. 18.

441,699. LIBERTY SPECIAL. Registered Dec. 28, 1948. Liberty Fire Apparatus Co., Inc., Roanoke, Va. Fire Hose. Class 35. Canceled May 19, 1952. Sec. 18.

442,716. Congress. Registered May 17, 1949. Western Tablet & Stationery Corporation, Dayton, Ohio. Paper Tablets, Loose Leaf Filler Paper; Etc. Class 37. Canceled Mar. 29, 1952. Sec. 18.

500,326. CELPEC. Registered May 11, 1948. Clark Cleveland, Incorporated, Binghamton, N. Y. Laxative or Intestinal Regulator. Class 18 (formerly Class 6). Canceled Apr. 9, 1952. Sec. 7(d).

514,403. ADVANCE. Registered Aug. 30, 1949. Sloane Pen Company, New York, N. Y. Writing Instruments—Namely, Fountain Pens, Ball Pens, Etc. Class 37. Canceled May 15, 1952. Sec. 18.

517,926. PLASTORESIN. Registered Nov. 22, 1949. Ciba Limited, Basel, Switzerland. Coal Tar Colors. Class 6. Canceled May 5, 1952. Sec. 7(d).

519,528. PATIO. Registered Jan. 3, 1950. D. B. Fuller & Co., Inc., New York, N. Y. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. Class 42. Canceled May 29, 1952. Canc. No. 5645.

524,852. "NECTAR FOR A NICKEL". Registered May 2, 1950. Green & Green, Houston, Tex. Non-Alcoholic Non-Cereal, Maltless Soft Drinks and Flavoring Extracts Used in Making Same. Class 45. Canceled May 19, 1952. Canc. No. 5591.

525,217. "GENUINE DOUBLE DIAMOND" AND DESIGN. Registered May 16, 1950. Herbert A. Greene, Philadelphia, Pa. Synthetic Rubber Clothing—Namely, Hats, Coats, Jackets, Etc. Class 39. Canceled May 14, 1952. Sec. 7(d).

527,957. SLYMFORM. Registered July 18, 1950. Perfectform Corporation, New York, N. Y. Ladies' and Children's Slips and Petticoats. Class 39. Canceled May 19, 1952. Canc. No. 5641.

540,333. CELLUCARA. Registered Apr. 3, 1951. The Maltine Company, Morris Plains, N. J. Product for the Treatment of Chronic Constipation. Class 18. Canceled May 19, 1952. Canc. No. 5833.

546,994. "RSTG" AND DESIGN. Registered Aug. 21, 1951. Henry Wiegand Corporation, New York, N. Y. Wood Working Machines — Namely: Veneer Patching Machines and Plugging Machines, Etc. Class 23. Canceled May 5, 1952. Sec. 7(d).

551,338. "RSTG RAIMANN" AND DESIGN. Registered Nov. 27, 1951. Henry Wiegand Corporation, New York, N. Y. Wood Working Machines—Namely, Veneer Patching Machines and Plugging Machines, Etc. Class 23. Canceled May 5, 1952. Sec. 7(d).

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

89,587. CHARTER OAK. Registered Dec. 24, 1912. The Southwestern Milling Company, Jersey City, N. J., and Kansas City, Mo. Wheat-Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising Mississippi, Alabama, and Louisiana, by order of the Commissioner dated June 3, 1952, following decision on Concurrent Use Proceeding No. 79, *The Colorado Milling & Elevator Company* v. *The Southwestern Milling Company*.

416,858. LANOTEX. Registered Oct. 2, 1945. Brunswig Drug Company, Los Angeles, Calif. TOILET LANOLIN. Class 51 (formerly Class 6). Restricted under the provisions of section 18 of the Trade-Mark Act of 1946 to that area of the United States excluding the area comprising the States located east of the Mississippi River, by order of the Commissioner dated May 22, 1952, following decision on Concurrent Use Proceeding No. 6, *Peau d'or Sales Corporation* v. *Brunswig Drug Company (Fletcher Products, Inc., assignee, substituted)*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

235,463. "THE STAR SERIES" AND REPRESENTATION OF A SIX-POINTED STAR. Registered Nov. 22, 1927. Renewed Nov. 22, 1947. Garden City Publishing Company, Inc. Books. Class 38. New certificate under section 7(c) issued June 24, 1952, to Doubleday & Company, Inc., Garden City, N. Y., a corporation of New York.

236,206. "STAR DOLLAR BOOKS" AND DESIGN. Registered Dec. 6, 1927. Renewed Dec. 6, 1947. Garden City Publishing Company, Inc. Books. Class 38. New certificate under section 7(c) issued June 24, 1952, to Doubleday & Company, Inc., Garden City, N. Y., a corporation of New York.

440,419. SPLASH. Registered Aug. 31, 1948. Lorraine Compounds Corporation, now by change of name Lorco Corporation. Soapless Detergent in Concentrated Liquid Form Primarily Adapted, When Diluted With Water, Etc. Class 4. New certificate under section 7(c) issued June 24, 1952, to Louis Garcelon, Jr., Boston, Mass.

521,571. T. M. DESIGN (A KEY). Registered Feb. 28, 1950. Prefab Homes and Supplies, Inc. Precision-Fitting Sections of Wall, Etc. Class 12. New certificate under section 7(c) issued June 24, 1952, to Prefabricators, Inc., Annapolis Junction, Md., a corporation of Maryland.

523,586. "STAR BOOKS" AND DESIGN. Registered Apr. 4, 1950. Garden City Publishing Company, Inc. Books. Class 38. New certificate under section 7(c) issued June 24, 1952, to Doubleday & Company, Inc., Garden City, N. Y., a corporation of New York.

524,790. "SUN DIAL PRESS" AND DESIGN. Registered May 2, 1950. Garden City Publishing Company, Inc. Books. Class 38. New certificate under section 7(c) issued June 24, 1952, to Doubleday & Company, Inc., Garden City, N. Y., a corporation of New York.

526,312. "GARDEN CITY PUBLISHING CO." AND DESIGN. Registered June 13, 1950. Garden City Publishing Company, Inc. Books. Class 38. New certificate under section 7(c) issued June 24, 1952, to Doubleday & Company, Inc., Garden City, N. Y., a corporation of New York.

526,352. HALCYON HOUSE. Registered June 13, 1950. Garden City Publishing Company, Inc. Books. Class 38. New certificate under section 7(c) issued June 24, 1952, to Doubleday & Company, Inc., Garden City, N. Y., a corporation of New York.

527,258. GIRD DESIGN. Registered July 4, 1950. Garden City Publishing Company, Inc. Books. Class 38. New certificate under section 7(c) issued June 24, 1952, to Doubleday & Company, Inc., Garden City, N. Y., a corporation of New York.

532,737. GOLDEN KEY. Registered Oct. 31, 1950. Prefab Homes and Supplies, Inc. Precision-Fitting Sections of Wall, Etc. Class 12. New certificate under section 7(c) issued June 24, 1952, to Prefabricators, Inc., Annapolis Junction, Md., a corporation of Maryland.

532,738. "GOLDEN KEY" & DESIGN. Registered Oct. 31, 1950. Prefab Homes and Supplies, Inc. Precision-Fitting Sections of Wall, Door, and Window Panels and Floors and Roofs, Etc. Class 12. New certificate under section 7(c) issued June 24, 1952, to Prefabricators, Inc., Annapolis Junction, Md., a corporation of Maryland.

532,739. FLEX-A-PLAN. Registered Oct. 31, 1950. Prefab Homes and Supplies, Inc. Precision-Fitting Sections of Wall, Door, and Window Panels and Floors and Roofs, Etc. Class 12. New certificates under section 7(c) issued June 24, 1952, to Prefabricators, Inc., Annapolis Junction, Md., a corporation of Maryland.

553,189. SIGNAL NEWS. Registered Jan. 8, 1952. Signal Oil Company. Periodical Publications Published and Distributed From Time to Time. Class 38. New certificate under section 7(c) issued June 24, 1952, to Standard Oil Company of California, doing business as Signal Oil Company, San Francisco, Cal., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 388,695. Registered July 8, 1941. Dri-Ped Limited, Bolton, England, a company of the United Kingdom of Great Britain and Northern Ireland. Republished by registrant.

DRI-PED

For Leather Wrought and Unwrought.
Claims use since June 20, 1912.

CLASS 15

OILS AND GREASES

Reg. No. 85,997. Registered Apr. 2, 1912. Wm. C. Robinson & Son Co., Baltimore, Md., and Coraopolis, Pa., a corporation of Maryland. Republished by registrant, present address Baltimore, Md.

COLOPHINE

For Cylinder and Engine Oil.
Claims use since 1875.

Reg. No. 85,998. Registered Apr. 2, 1912. Wm. C. Robinson & Son Co., Baltimore, Md., and Coraopolis, Pa., a corporation of Maryland. Republished by registrant, present address Baltimore, Md.

ENDURO

For Cylinder Oil.
Claims use since 1909.

Reg. No. 86,000. Registered Apr. 2, 1912. Wm. C. Robinson & Son Co., Baltimore, Md., and Coraopolis, Pa., a corporation of Maryland. Republished by registrant, present address Baltimore, Md.

FLEX

For Valve Oil.
Claims use since 1903.

CLASS 16

PROTECTIVE AND DECORATIVE COATINGS

Reg. No. 86,105. Registered Apr. 9, 1912. L. Sonneborn Sons, Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.

CEMCOAT

For Paints Adapted To Form a Tough Elastic and Wear-Resisting Finish for Cement, Stone or Brick Walls and for Floors and Adapted for Analogous Uses.
Claims use since Sept. 1, 1911.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 84,232. Registered Nov. 21, 1911. The Hostetter Company, Pittsburgh, Pa. Republished by Hostetter Corporation, Pittsburgh, Pa., a corporation of Maryland.



For Stomach-Bitters.
Claims use since July 4, 1859.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 290,091. Registered Dec. 22, 1931. General Cable Corporation, New York, N. Y. Republished by General Cable Corporation, New York, N. Y., a corporation of New Jersey.

ALECTRAL

For Electric Wires and Cables.
Claims use since Jan. 12, 1931.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 256,631.. Registered May 21, 1929. The Vichek Tool Company, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

STAR

For Wrenches and Wrench Sets.
Claims use since on or about Jan. 3, 1928.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 296,732. Registered Aug. 16, 1932. Carrier Manufacturing Corporation, Newark, N. J., assignor to Aerofin Corporation. Republished by Aerofin Corporation, Syracuse, N. Y., a corporation of New Jersey.

FLEXITUBE

For Heating, Cooling and Air Conditioning Units Employing Finned Tubing.
Claims use since Jan. 20, 1932.

CLASS 37

PAPER AND STATIONERY

Reg. No. 293,696. Registered May 3, 1932. Byron Weston Company, Dalton, Mass., a corporation of Massachusetts. Republished by registrant.

COTTON LEDGER

The words "Cotton Ledger" are disclaimed apart from the mark as shown.
For Ledger and Bond Paper.
Claims use since on or about Nov. 15, 1931.

Reg. No. 293,760. Registered May 3, 1932. Byron Weston Company, Dalton, Mass., a corporation of Massachusetts. Republished by registrant.



The words "Cotton Bond" are disclaimed apart from the mark as shown.
For Ledger and Bond Paper.
Claims use since on or about Nov. 15, 1931.

CLASS 39

CLOTHING

Reg. No. 290,344. Registered Jan. 5, 1932. Poirette Corsets, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

FREE-FLEX COMPACT

For Corsets, Brassières, and Combinations of the Same.
Claims use since May 13, 1951.

Reg. No. 293,637. Registered May 3, 1932. Fairy Silk Mills, Inc., Shillington, Pa., a corporation of Pennsylvania. Republished by registrant.

HABITEE

For Women's and Misses' Underwear Made of Glove Silk, Silk and Rayon, and Rayon.
Claims use since Dec. 1, 1926.

Reg. No. 293,972. Registered May 10, 1932. I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York. Republished by registrant.

Conforma

For Brassières, Girdles, and Corsets.
Claims use since Sept. 15, 1930.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 87,336. Registered July 9, 1912. Hardwick & Magee Company, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

REGO

For Woven Carpets and Rugs.
Claims use since Mar. 4, 1912.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 37,504. Registered Dec. 24, 1901. Huyler's, New York, Albany, and Buffalo, N. Y.; Boston, Mass.; Philadelphia, Pa.; Chicago, Ill.; Washington, D. C.; and elsewhere, a corporation of New York. Republished by registrant, present address New York, N. Y.

Huyler's

For Candy and Confections of All Kinds, Chocolate, and Cocoa.
Claims use since June 6, 1881.

Reg. No. 86,478. Registered May 7, 1912. Thornton & Chester Milling Company, Buffalo, N. Y., a corporation of New York. Republished by registrant.

MILLPRIDE

For Flour.
Claims use since Sept. 22, 1911.

Reg. No. 219,358. Registered Oct. 19, 1926. Anc-Co Preserving Co., Birmingham, Ala. Republished by The Bama Company, Birmingham, Ala., a partnership.

BAMA

For Mayonnaise, Peanut Butter, and Fruit in Sugar.
Claims use since June 20, 1924.

Reg. No. 338,173. Registered Sept. 1, 1936. Sessions Company, Inc., Enterprise, Ala., a corporation of Alabama. Republished by registrant.



The drawing is lined for the colors red and gold.
For Peanut Butter.
Claims use since June 1, 1932.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 329,093. Registered Oct. 15, 1935. McKesson & Robbins Incorporated, New York, N. Y. Republished by James Martin & Co., Limited, Edinburgh, Scotland, a company of the United Kingdom of Great Britain and Northern Ireland.



The letters "V. V. O." are disclaimed apart from the mark as shown. The gold bar shown on the specimens is claimed as a feature of the mark.
For Scotch Whisky.
Claims use since about Dec. 15, 1934.

REISSUES

JUNE 24, 1952

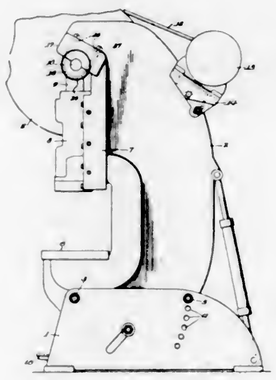
23,513

CRANKSHAFT BEARING ASSEMBLY

Einar K. Johansen, Oak Park, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Original No. 2,573,574, dated October 30, 1951, Serial No. 31,123, June 4, 1948. Application for reissue February 2, 1952, Serial No. 269,630

2 Claims. (Cl. 308—23)



1. In a metal working press having a vertically reciprocating slide member driven by a crankshaft, a bearing assembly comprising a pair of spaced side members, a head on each of said side members, said head members being positioned to receive a crankshaft therebetween, each of said heads having a semi-circular recess therein and a groove located in said recess, said groove extending substantially parallel to the sides of said head and located substantially midway therebetween, an individual bearing member in each of said recesses adapted to receive the ends of said crankshaft therein, an annular continuous rib centrally disposed circumferentially around each of said bearings and fitted into said groove, each of said bearings having an annular groove therearound and located adjacent each end of said bearing and spaced substantially equidistant from said rib and a pair of U-bolts each fitted into one of said grooves at the base of said U and anchored to said head at the free ends thereof.

23,514

ARTIFICIAL RESINS AND PROCESS OF MAKING THEM

Arthur Voss, deceased, late of Frankfort/Main-Unterliederbach, Germany, by General Aniline and Film Corporation, New York, N. Y., assignee, and Ewald Dickhäuser, Frankfort/Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,047,398, dated July 14, 1936, Serial No. 545,146, June 17, 1931. Application for reissue December 8, 1951, Serial No. 260,762. In Germany June 25, 1930

10 Claims. (Cl. 260—45.5)

3. The process which comprises polymerizing *by heating* maleic anhydride together with a compound capable of being polymerized and containing a single $>C=CH_2$ group *to produce a copolymer containing anhydride groups.*

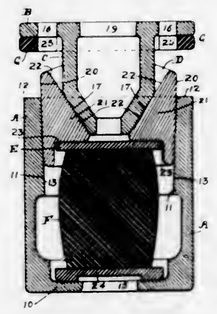
23,515

FRICTION SNUBBER FOR RAILWAY CAR TRUCK SPRINGS

William E. Withall, Hinsdale, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Original No. 2,554,606, dated May 29, 1951, Serial No. 106,033, July 21, 1949. Application for reissue April 4, 1952, Serial No. 280,559

6 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with a friction casing open at one end; of friction shoes slidingly telescoped within said open end of the casing; a follower movable toward the casing; a rubber pad on said follower engageable with the open end of said casing after a predetermined amount of compression of the mechanism to be compressed between said follower and casing; a wedge movable toward the casing in unison with said follower, said wedge being in wedging engagement with the shoes, and yielding means within the casing opposing inward movement of said shoes independently of said rubber pad.

PLANT PATENTS

GRANTED JUNE 24, 1952

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,107
CAMELLIA PLANT
Carlisle Norwood Hastie, Jr., Charleston, S. C.
Application July 25, 1949, Serial No. 106,715
1 Claim. (Cl. 47—60)

The new and distinct variety of plant of the species camellia japonica of the Troubadour type, substantially as described and illustrated, characterized by its tall, open growth; its slender twigs; prolific flowering habit; its dark green lanceolate leaves; the distinctive semi-double form and coloring of its flowers; their wavy generally creped petals, and lasting qualities of the cut flowers.

1,108
SYRINGA VULGARIS PLANT
Gerrit Maarse, Aalsmeer, Netherlands, assignor to Jan Spek, Boskoop, Netherlands
Application April 21, 1951, Serial No. 222,201
1 Claim. (Cl. 47—60)

A new and distinct variety of *Syringa vulgaris* plant as described and illustrated, characterized particularly by the yellow coloring of the individual florets and inflorescence.

1,109
ROSE PLANT
Esther Gladys Fisher, Woburn, Mass., assignor to Arnold-Fisher Company, Woburn, Mass.
Application April 9, 1951, Serial No. 220,105
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant with features in combination approximately as herein shown and described, characterized particularly by its continuous production of good quality flowers throughout the winter in the greenhouse; its adaptability to both outdoor and greenhouse culture; its strong and healthy growth; its ease and high percentage of reproduction; the fluffy shape and good substance of its flower; and the distinctive pink to orange coloring of its bud and flower as described.

PATENTS

GRANTED JUNE 24, 1952

2,601,223
PREPARATION OF DIBASIC CARBOXYLIC ACIDS
Milton J. Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 5, 1951, Serial No. 204,681
18 Claims. (Cl. 260—537)

1. A process which comprises treating a peroxide compound having a cyclic structure consisting of from 4 to 10 carbon atoms in the primary ring, said peroxide being obtainable by reacting together hydrogen peroxide and a cyclic ketone of the formula



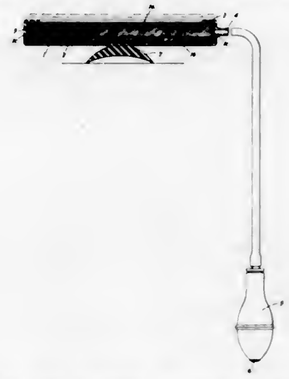
where R is a divalent radical containing from 3 to 9 carbon atoms in the unsubstituted portion of the radical, with a redox reducing agent, and separating a dibasic carboxylic acid from the resulting reaction mixture.

2,601,224
PREPARATION OF DIFUNCTIONAL COMPOUNDS
Milton J. Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 5, 1951, Serial No. 204,682
7 Claims. (Cl. 260—485)

5. A process which comprises heating, at a temperature above its decomposition temperature and in the substantial absence of oxygen, a dicyclic peroxide compound containing two cyclic structures, each of which contains from 4 to 10 carbon atoms in the primary ring, said cyclic structures being directly united to each other through an oxygen-oxygen bridge and containing on the same cyclic carbon atoms as the peroxygen linkage a functional group, and separating from the resulting reaction mixture a straight-chain difunctional compound containing the same number of carbon atoms as the original dicyclic peroxide and in which the two functional groups are the same as the functional groups on said original peroxide compound.

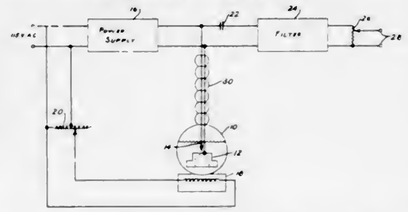
2,601,225
DEVICE FOR USE IN WASHING THE HAIR
Nicholas Sandor, Surbiton, England; Florence Margaret Anne Sandor executrix of said Nicholas Sandor, deceased
Application April 8, 1950, Serial No. 154,747
In Great Britain July 28, 1949
2 Claims. (Cl. 261—122)

1. A device for use in forming foam when submerged in water containing saponin in solution comprising a plate of wood cut to provide opposite faces with the pores in the wood extending at 45° to such faces, an elastic envelope covering and surrounding one face and the periphery of the wood plate and covering a part of the opposite face and sealed to said latter face, a perforate casing spaced from the free surface of the plate and having a flange, said envelope being



clamped in part between the wood plate and the flange on said perforate casing, and means for supplying air under pressure to the envelope to ensure its passage through the pores of the wood.

2,601,226
NOISE GENERATOR
Otto H. Schmitt, Port Washington, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application August 21, 1944, Serial No. 550,476
8 Claims. (Cl. 321—2)

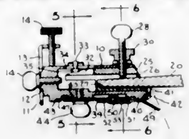


1. A device for introducing random voltage variations in an electrical system, comprising a container of electrolyte, a pair of electrodes immersed in the electrolyte, means causing a substantially constant current to flow between the electrodes, means for causing the electrolyte to gush irregularly over the electrodes, and means for applying the voltage developed across the varying interelectrode electrolytic resistance to the electrical system.

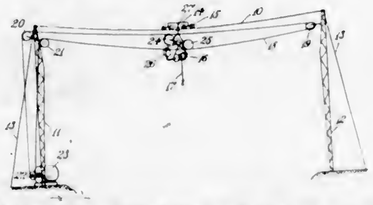
2,601,227
SAW FILER
Anthony P. Shebel, Milwaukee, Wis.
Application October 26, 1948, Serial No. 56,559
8 Claims. (Cl. 76—36)

1. In a saw filing device the combination of a file holder, a pair of laterally spaced substantially

parallel runners fixed to said file holder, said runners having substantially co-planar faces adapted to ride on the teeth of a saw to support said holder, a file receiving head rotatably adjustable on said holder between said runners, and means on said rotatably adjustable file receiving head including a pair of oppositely inclined diverging cam surfaces, and a coacting cam follower disposed between said diverging cam surfaces and longitudinally adjustable for determining the extent of rotative adjustment of said head relative to said holder.



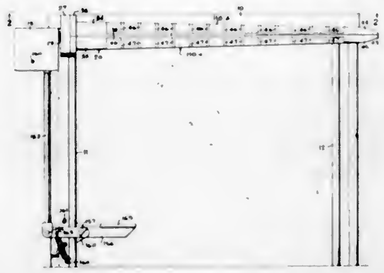
2,601,228
HOIST
Herbert Frederick Henry Shields, London, England, assignor to British Ropeway Engineering Company Limited, London, England, a British company
Application January 23, 1950, Serial No. 140,061
In Great Britain January 27, 1949
8 Claims. (Cl. 212—99)



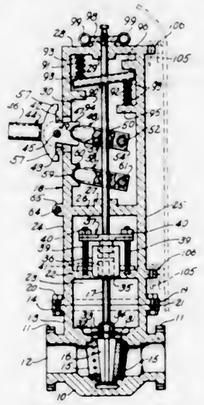
1. Apparatus of the kind referred to comprising an overhead track, a carriage adapted to travel along said track, a hoisting mechanism on said carriage, two sheaves on said carriage, an endless driving rope having two stretches extending from end to end of said track and arranged with the two separate stretches passing respectively around the two sheaves on the carriage, means for driving said rope continuously, means for constraining the rope alternatively at points on said separate stretches, means on the carriage operable to couple the sheaves to the hoisting mechanism to operate said mechanism, and means on the carriage for engaging the track to restrain the carriage from movement during operation of the hoisting mechanism.

2,601,229
HOSIERY INSPECTION AND MENDING FORM
Floyd R. Shoaf and Jacob R. Livengood, Jr., Concord, N. C.; said Livengood, Jr., assignor to said Shoaf
Application May 11, 1949, Serial No. 92,646
7 Claims. (Cl. 223—77)

1. A hosiery inspection and repair form coming a substantially elliptically-shaped tubular portion, longitudinally extending spars connected to diametrically opposed sides of the elliptically-shaped tubular portion at one edge thereof, a conical portion substantially elliptical in cross section connected to the other end of the longitudinally extending spars, a plurality of spaced ribs semi-elliptical in shape and being disposed transversely of the axis of the form and mounted between the tubular portion and the conical portion, a plurality of quarter-circular movable members conforming to the outer peripheral edges of the ribs and also conforming to the outer peripheral surfaces of the tubular portion and the conical portion and being mounted inside of and extending between the said ribs and being radially movable relative to said ribs, whereby a stocking may be placed over the ribs and quarter-circular members for inspection purposes.



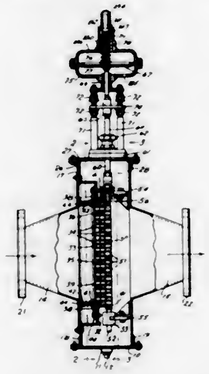
2,601,230
VALVE OPERATING MECHANISM
Chester L. Shobe, Great Bend, Kans.
Application July 11, 1947, Serial No. 760,268
6 Claims. (Cl. 251—60)



1. A valve operating mechanism comprising an elongated hollow frame; a smooth, elongated valve stem slidable lengthwise in said frame and adapted to be connected at one end to a movable valve gate; a manually-movable lever pivotally mounted in one side of said frame; an apertured block surrounding said stem and operatively engaged with said lever to move said stem lengthwise relative to said frame upon movement of said lever; means pivotally connecting said block to said frame; a second apertured block surrounding said stem at a position spaced from said stem-moving block and operatively engaged with said frame to hold said stem in position to which it is brought by said stem-moving block; means pivotally connecting said stem-holding block to said frame; manually-operable means carried by

said frame and operatively associated with said block-connecting means to simultaneously incline both of said blocks for movement in a selected direction relative to said frame; and a third apertured block surrounding said stem and being supported at its ends on said frame to resiliently resist movement of said stem relative to said frame.

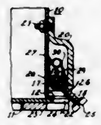
2,601,231
QUICK-ACTING DIAPHRAGM OPERATED GATE VALVE
Edmund G. Smith, Cedar Grove, and Otell M. Cocchiarella, Newark, N. J., assignors to Equipment Development Co., Inc., Montclair, N. J., a corporation of New Jersey
Application February 13, 1948, Serial No. 8,146
1 Claim. (Cl. 251—51)



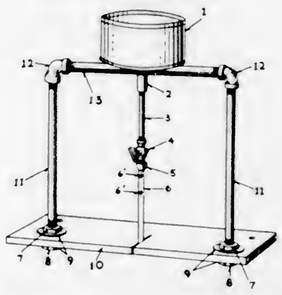
A quick acting valve comprising a valve housing having inlet and outlet ports, a plastic seat plate extending across said housing to divide the same into inlet and outlet chambers, said plate being fixed against lateral movement in the plane of the plate and having a plurality of individual openings therethrough, a sliding valve plate mounted to slide over said seat plate and having openings registering with said first openings when in open position, said sliding plate being adapted to close said first openings when shifted to closed position, means to shift said sliding plate between open and closed positions, guide means arranged to hold said sliding plate against transverse displacement in a direction at right angles to its opening and closing movements, an annular flexible diaphragm secured around the outer peripheral margin of the seat plate and a fixed annular flange attached to the valve housing and secured to the outer periphery of said diaphragm beyond the edge of said seat plate, whereby said diaphrgam provides a seal and also permits limited reciprocatory movement of the seat plate toward and from said sliding plate.

2,601,232
COVER RETAINING MECHANISM
William H. Sohn and Harley B. Lindemann, Baltimore, Md., assignors, by mesne assignments, to the United States Government as represented by the Secretary of the Navy
Application March 27, 1947, Serial No. 737,632
2 Claims. (Cl. 292—4)

1. In a mechanism for retaining a lid or cover on a container, a housing member, a spring loaded bar in said housing member, and screws having provisions for receiving a screwdriver for operating the same extending into said housing and threaded into said bar.



2,601,233
DISINFECTING SEED POTATO CUTTER
Hiram A. Spry, Munith, Mich.
Application March 31, 1949, Serial No. 84,535
1 Claim. (Cl. 146—170)

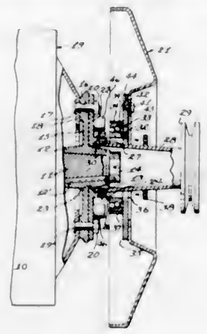


A combined seed potato cutter and disinfectant device comprising a base, a supporting frame, a vertically disposed fixed cutting blade tension mounted by the said base and frame in a position to cut a seed potato forced against the same, said blade being of thin and narrow construction, means associated with the upper end of said blade to provide a downwardly flowing stream of disinfecting fluid supplied to the upper end of said blade and allowed to flow down said blade toward its lower end, said blade having a transverse hole of substantial diameter as compared with the width of said blade and being located within the vertical edges of said blade, said hole being located below that portion of said blade initially flooded by the disinfecting fluid and across which said fluid flows to diffuse the flow with respect to the blade surface whereby said fluid may economically and completely flood the opposite sides of said blade.

2,601,234
AUTOMOBILE DRIVE WHEEL POWER TAKE-OFF
Thomas J. Tudor, Borger, Tex.
Application August 17, 1951, Serial No. 242,257
4 Claims. (Cl. 74—15)

1. In combination, an automobile drive axle, a brake drum surrounding said axle and secured thereto including a hub flange, an adapter comprising an annular plate surrounding said axle at the outboard side of said hub flange and secured to said hub flange, said annular plate having on its outboard side a hollow cylindrical member surrounding and concentrically spaced from said axle, a tubular axle extension having an inboard end and an outboard end, a pulley fixed on the outboard end of said extension, said inboard end of the extension surrounding said axle and being secured to said hollow cylindrical

member for rotation therewith, a wheel disk surrounding said axle extension, a wheel disk carrying annulus surrounding said axle extension and concentrically spaced therefrom, said wheel disk being mounted on said carrying annulus, an annular bearing holder on the inboard side of said carrying annulus concentrically spaced from said hollow cylindrical member, an annular bear-



ing surrounding and circumposed on said cylindrical member and confined between said cylindrical member and said annular bearing holder whereby said carrying annulus and the wheel disk carried thereby are mounted on said adapter for rotation relative thereto and said axle is out of driving relation to said wheel disk but is in supporting relation thereto.

2,601,235

PROCESS FOR PRODUCING BUILT-UP SILICA PARTICLES

Guy B. Alexander, Parma, Ralph K. Iler, Cleveland Heights, and Frederick J. Wolter, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1949, Serial No. 99,350
7 Claims. (Cl. 23—182)

1. In a process for producing built-up silica the steps comprising heating a heel of silica sol above 60° C. to make nuclei of high molecular weight silica, mixing said nuclei with an aqueous dispersion of active silica made by vigorously agitating an alkali metal silicate solution with enough acid to give a pH of 8 to 10.7, the alkali metal ion concentration being below 1 normal in the presence of the active silica and the rate of adding the active silica to the nuclei being not greater than that at which the nuclei can condense with it, and heating the mixture of nuclei and active silica above 60° C. at a pH of 8 to 10.7, whereby the active silica accretes to the nuclei, precipitating the silica product formed by the accretion process, and separating the precipitate from the reaction mixture.

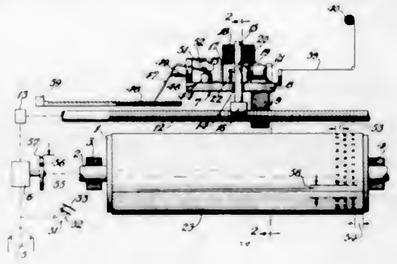
2,601,236

FACSIMILE MACHINE

William P. Asten, Saddle River, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application September 18, 1948, Serial No. 49,875
18 Claims. (Cl. 178—6.6)

1. Facsimile apparatus comprising a carriage, means for moving said carriage progressively from a normal position, scanning means mounted upon said carriage and adapted to scan a subject matter sheet in successive elemental areas, means for returning said carriage to a normal position, and means coupled to the out-



put of said scanning means for controlling said carriage returning means, said control means responsive to the scanning by said scanning means of a blank area of said sheet of predetermined extent.

2,601,237

CARBOXYPHENYLPOLYSILOXANES

Arthur J. Barry and John W. Gilkey, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application July 5, 1949, Serial No. 103,175
6 Claims. (Cl. 260—46.5)

1. An organopolysiloxane having a degree of substitution of from 0.5 to 3 organic radicals per silicon atom, said radicals being selected from the group consisting of carboxyphenyl, tolyl, phenyl and methyl radicals, and in which polysiloxane there is from one carboxyphenyl radical per 4000 silicon atoms to one carboxyphenyl radical per silicon atom.

2,601,238

DENTIFRICE POLISHING COMPOSITION

Russell N. Bell, Chicago Heights, Ill., assignor to Victor Chemical Works, a corporation of Illinois

No Drawing. Application February 14, 1950, Serial No. 144,191
8 Claims. (Cl. 167—93)

1. A stabilized dicalcium phosphate abrasive composition comprising a powdered mixture of 70–90 parts dicalcium phosphate (dihydrate), 15–5 parts tricalcium phosphate and 15–5 parts trimagnesium phosphate.

2,601,239

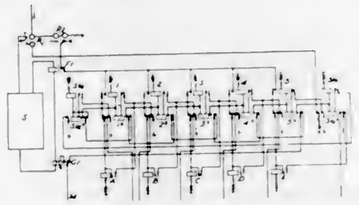
SUBSTITUTING KEYBOARDS FOR DIALS IN TELEGRAPH SYSTEMS

Auguste Jean Bessonnet and Pierre Charles Borel, Boulogne-Billancourt, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application August 2, 1947, Serial No. 765,692
In France July 26, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 26, 1966
2 Claims. (Cl. 178—3)

1. A telegraph switching system comprising means for receiving telegraph code signals including a start signal and a stop signal, a plurality of counting relays, a plurality of registering.

relays, associated respectively with said counting relays, means associated with said receiving means and responsive to said start signal for causing succeeding pulses of the received signal to operate said counting relays in succession, means responsive to the operation of each counting relay to cause the associated registering relay to operate or not depending on the polarity of the particular code pulse, a plurality of groups of recording relays, means for connecting one group of recording relays to said registering re-



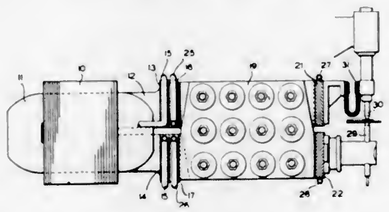
lays and for operating the recording relays of the group in accordance with the operation of the registering relays during the receipt of a first signal, means responsive to said stop signal to shift said last mentioned means so as to connect successively the other groups of said plurality groups of recording relays to said registering relays, and means for connecting said groups of recording relays for controlling selective apparatus adapted to operate in response to the combination of the particular condition of the recording relays of said plurality of groups.

2,601,240

RECTIFIER ASSEMBLY OF THE DRY DISK TYPE

Robert H. Blair, Warren, Ohio, assignor to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio

Application November 27, 1948, Serial No. 62,258
8 Claims. (Cl. 175—366)



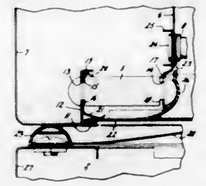
4. In electric resistance welding apparatus the combination of a transformer having a U-shaped secondary winding with each end of said winding having an outwardly facing terminal pad, a pair of current-conducting plates disposed substantially parallel to the outer faces of said pads and spaced outwardly therefrom, a plurality of spaced parallel current-conducting plates interconnecting said pads and said first mentioned plates in both heat exchanging and current-conducting relation therewith, a plurality of dry disc rectifier elements clamped between said second mentioned plates, each of said second mentioned plates being rigidly connected at one end to one of said pads in flat overlying relation therewith.

2,601,241

REFRIGERATOR CABINET

Edwin H. Boddy, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application October 3, 1946, Serial No. 700,901
15 Claims. (Cl. 220—15)



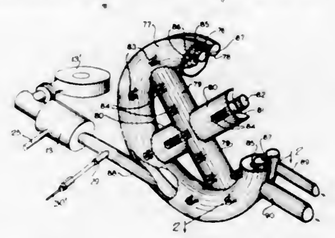
1. In a refrigerator cabinet, an outer shell having thereon an attaching portion, an inner liner disposed in spaced relation to said outer shell and having thereon an attaching portion, means including a spacer member for maintaining alignment between said outer shell and said inner liner, said spacer member having integral means at each end thereof interlockingly engaging said attaching portions of said outer shell and said inner liner, and resilient means including a recess for receiving an edge of said spacer member to lock said spacer member in position.

2,601,242

APPARATUS FOR THE COMBUSTION OF COMBUSTIBLE AND VAPORIZABLE SUBSTANCES

Claude A. Bonvillian, United States Navy, Ralph C. Brierly, Narberth, Pa., and Samuel Letvin, Elmhurst, Queens, N. Y.

Application August 26, 1944, Serial No. 551,420
8 Claims. (Cl. 158—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

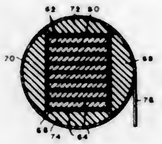


1. Apparatus for producing combustion from combustible and vaporizable substances comprising a first annular tubular member, means for supplying such a substance in admixture with a stream of products of combustion to the interior of the member, another annular tubular member, said first member having outlet openings discharging into said other annular tubular member, means for supplying air to the interior of the other member, the other member having outlet openings in alignment with the outlet openings of the first member, a third annular tubular member, and means for supplying air to the third member, the third member having air outlet openings and passage means therefrom in alignment with the outlet openings of the first member and adapted to discharge air into the first member.

2,601,243
PROCESS FOR PRODUCING CONSOLIDATED INSULATION ON HIGH-VOLTAGE COILS

John C. Botts and Harold M. Philofsky, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 20, 1949, Serial No. 122,438
9 Claims. (Cl. 154—80)



1. In the process of consolidating and sizing a high voltage, flat-sided coil having a relatively straight slot portion and an end turn to both of which is applied insulation comprising sheet wrapping and a plastic binder and impregnant, the steps comprising placing the slot portion in a confining mold for compacting the sheet wrapping and plastic to provide a slot portion of predetermined size and shape, placing pairs of rounded elastomeric strips along the flat sides of the end turns, the strips being substantially as wide as the flat portions, the strips abutting the ends of the mold and extending for a substantial distance therefrom, pressing the elastomeric strips against the flat sides to compact the end turn sheet wrapping and plastic, heating the coil while so confined and pressed to cause the applied plastic to soften and distribute itself in the sheet wrapping and to eliminate voids, the mold and elastomeric strips compressing the sheet wrapping to size and shape, hardening the applied plastic to retain the sheet wrapping in compacted and pressed form, thereafter removing the coil from the mold and removing the elastomeric strips.

2,601,244
TEETH CLEANING UNIT

Marcel Boulicault, St. Louis, Mo.

Application January 18, 1949, Serial No. 71,513
5 Claims. (Cl. 132—84)

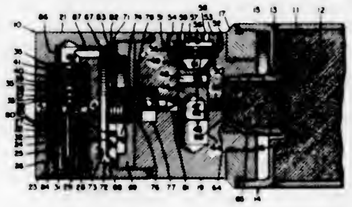


1. A teeth cleaning unit including in combination, a brush section and a hollow handle section, said brush section comprising a brush stem supporting the brush bristles, said brush stem having a plug portion at one end thereof insertable into a bore formed in the end portion of said hollow handle section, a closure section having a compartment adapted to telescopically receive said brush section, means for detachably securing one end of said closure section to the end portion of said handle section, said means including a pair of spaced sealing gaskets extending circumferentially around said handle end portion designed to telescopically receive the open end of said hollow closure section and frictionally retain said closure section detachably secured to said handle section and hermetically seal the attached end thereof, and a pair of spaced sealing gaskets extending circumferentially around said plug portion frictionally retaining said brush section secured to the end portion of said hollow handle section and sealing said hollow handle section from the entry of moisture deposited on the brush section.

2,601,245
UNDERWATER SIGNALING DEVICE

Charles F. Bowersett, Laurel, Md.

Application January 30, 1948, Serial No. 5,476
7 Claims. (Cl. 102—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

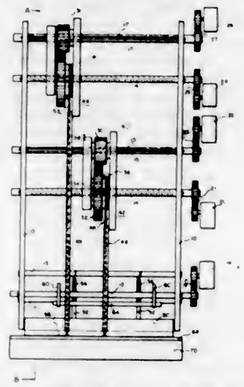


1. A signaling device of the class described adapted to be launched in a body of water and comprising a casing, an explosive charge disposed within said casing, means including a deformable hydrostatically actuated plunger in sealed engagement with said casing and constructed and arranged to be deformed suddenly and arm the signaling device in response to a predetermined hydrostatic pressure applied thereto, a plurality of seals disposed within the casing and constructed and arranged to be ruptured in response to different values of hydrostatic pressure respectively in excess of said predetermined pressure and corresponding to different predetermined depths of submergence of the device for admitting said last named pressure into the casing, a selector device rotatably supported within the casing in alignment with said seals for selecting for operation one of said seals in response to said last named pressure, means operatively connected to said selector device and normally spaced from said seals for rupturing the seals preceding said selected seal when said rupturing means is moved into engagement therewith by the selector device as the selector device is set to a selected setting, said selected and remaining seals being adapted to be ruptured in successive order in response to the last named pressure, an initially rigid pressure responsive device arranged within the casing and deformed suddenly in response to said last named pressure, and means including an initially locked firing pin arranged within the casing in engagement with said pressure responsive device and unlocked by the sudden deformation thereof for firing said explosive charge as the last one of said seals is ruptured.

2,601,246
RECORDING INSTRUMENT

James M. Brady, West Long Branch, and William D. Huston, Atlantic Highlands, N. J.

Application December 4, 1950, Serial No. 199,120
10 Claims. (Cl. 346—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

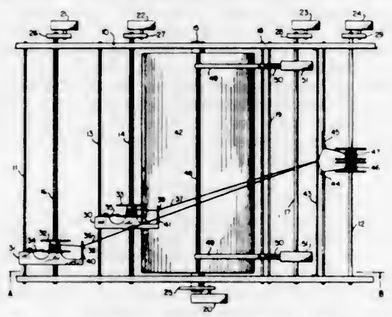


1. A recording device comprising movable record receiving means, record producing means cooperating therewith, a plurality of filament carrying carriages positioned adjacent to said record receiving means, a plurality of filaments each being carried solely by a respective one of said carriages, said filaments being slidable past one another so that for any position of said carriages a recording is made on said record receiving means by the action of said record producing means simultaneously engaging each of said filaments.

2,601,247
RECORDING SYSTEM

James M. Brady, West Long Branch, N. J., assignor to the United States of America as represented by the Secretary of the Army

Application May 1, 1951, Serial No. 224,017
4 Claims. (Cl. 346—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

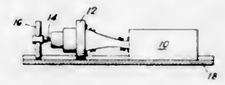


1. In a recording instrument having moving record receiving means, the combination comprising fixed means for holding one end of all of a plurality of impregnated filaments, a plurality of impregnated filaments having one end slidably engaging said fixed means, and data actuated means connected to the other end of each of said filaments for moving each of the said other ends of the said filaments transverse to the direction of movement of said record receiving means and substantially parallel to the face of said record receiving means, said means for moving said filaments being off-set from one another to allow the said filaments to pass one another.

2,601,248
PIPE LINE CLEANER AND LOCATOR

Irving R. Brenholdt, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 30, 1948, Serial No. 68,205
3 Claims. (Cl. 175—183)

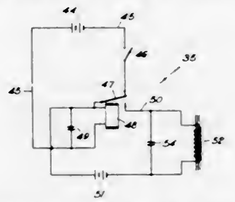


1. In locatable pipe cleaner apparatus having a transmitter integrally assembled to travel with a pipe line scraper and a selective amplifier receiver to detect the presence of the scraper in a pipe by receiving and amplifying a fixed-frequency magnetic signal from the transmitter, the apparatus comprising: a battery supported within a hollow housing disposed along the axis of the scraper; a constant-speed motor driven by the battery in wired connection therewith and also contained within the hollow housing; a permanent magnet mounted on a shaft driven by the said motor and disposed within the hollow housing and rotated at a uniform rate so that a magnetic field excited in the pipe by the permanent magnet will reverse in polarity at a uniform, low frequency and induce a secondary magnetic field outside the pipe to which the said selective amplifier is responsive to detect the presence of the said scraper.

2,601,249
PIPE LINE SCRAPER AND LOCATION TRANSMITTER

Irving R. Brenholdt, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application June 27, 1950, Serial No. 170,611
5 Claims. (Cl. 175—183)



1. In a locatable pipe line scraper that is adapted continuously to signal its presence in a pipe line to a selector-amplifier receiver that is accessibly located and is adjusted to receive only magnetic signals of uniform frequency, a transmitter that is integrally assembled with the scraper and comprises in a circuit: a battery power supply mounted within a hollow tube constituting a member of said scraper; a fixed frequency interrupter also mounted therein and comprising a switch member so disposed in the circuit with respect to an electromagnet as to be

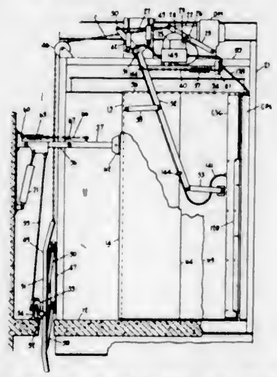
drawn toward one pole thereof when the latter is energized and, by said movement, to effect an opening and closing of the said circuit, and a delay means of such disposition with relation to the electromagnet and the switch member, that when the circuit controlled by the said switch member is closed its subsequent opening will be momentarily delayed; and an electromagnet that is integrally assembled with the said scraper and is turned off and on by said interrupter whereby an electromagnetic field of fixed frequency is generated by the said electromagnet.

2,601,250

SAFETY MECHANISM FOR DOORS

William Henry Bruns, Lincolndale, and Samuel Davis, Brooklyn, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application January 27, 1951, Serial No. 208,164
20 Claims. (Cl. 187—48)



20. An elevator installation in which an entrance-way is provided for the elevator car, in which a door is provided for closing said entrance-way, in which power mechanism including a direct current operating motor is provided for operating said door, in which door open switching mechanism is provided for connecting the armature of said motor to a source of direct current to cause operation of said mechanism to open said door, in which door close switching mechanism is provided for connecting said motor armature to said source to cause operation of said mechanism to close said door, and in which safety mechanism is provided which is responsive to a person moving into the path of said door when closing to cause operation of said door close switching mechanism to disconnect said motor armature from said source, discontinuing the closing operation of said door by said power mechanism, characterized in that a rectifier is provided which is connected across said motor armature when said door open switching mechanism is operating but with a polarity to block the flow of current therethrough from said source, in that said rectifier is disconnected from across said motor armature upon operation of said door close switching mechanism to effect the closing of said door and in that said door close switching mechanism upon operation to disconnect said motor armature from said source in response to said operation of said safety mechanism connects said rectifier across said motor armature with a polarity to absorb the motor armature current and thus dynamically brake the motor and bring said door to a stop.

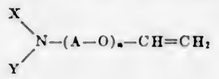
2,601,251

ACRYLONITRILE POLYMERS

Herman A. Bruson, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application October 8, 1948, Serial No. 53,587
11 Claims. (Cl. 260—85.5)

1. As a new composition of matter, a fiber-forming copolymer derived by the polymerization of a mixture of copolymerizable monoethylenic compounds comprising acrylonitrile and an amino-vinyl ether compound selected from the group consisting of a mono-vinyl ether of an amino-alcohol and a water-soluble salt of a mono-vinyl ether of an amino-alcohol; said mono-vinyl ether having the formula



wherein A is an alkylene group, *n* is an integral number, and X and Y taken singly are members of the group consisting of hydrogen, alkyl, hydroxyalkyl, alkoxyalkyl, aminoalkyl, cyanoalkyl, cycloalkyl, aralkyl, furfuryl, pyridyl, aryl and aminoaryl radicals; and X and Y taken jointly form a saturated heterocyclic radical with the N atom; said acrylonitrile in said mixture comprising at least about 80% of the total monomer weight and said amino-vinyl ether compound in said mixture comprising not more than 10% of the total monomer weight.

2,601,252

POLYMERIC COMPOSITIONS

Herman A. Bruson, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application March 25, 1949, Serial No. 83,515
13 Claims. (Cl. 18—54)

1. A composition comprising a polymer of acrylonitrile containing in the polymer molecule more than 85% by weight of acrylonitrile and as a solvent therefor a mixture comprising nitromethane and formamide, the ratio by weight in said mixture being between about 9 and 0.8 of nitromethane to 1 of formamide.

9. The method which comprises forming a shaped article having molecular orientation by extruding into an evaporative atmosphere, a composition comprising nitromethane, formamide and a polymer of acrylonitrile containing in the polymer molecule more than 85% by weight of acrylonitrile and orienting the resulting product; the ratio by weight in said composition being between about 9 and 0.8 of nitromethane to 1 of formamide.

2,601,253

POLYMERIC COMPOSITIONS AND METHOD OF SHAPING SAME

Herman A. Bruson, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application June 13, 1949, Serial No. 98,877
33 Claims. (Cl. 18—54)

1. A spinning solution useful for the formation of filamentary material comprising a polymer of acrylonitrile containing in the polymer molecule at least 80% by weight of acrylonitrile; ethylene carbonate; and a relatively small amount of a water-soluble, hydroxy-aliphatic mono-mercaptan.

33. A method of forming filamentary material which comprises preparing a spinning solution comprising (1) a polymer of acrylonitrile containing in the polymer molecule at least 80% by weight of acrylonitrile, (2) ethylene carbonate, and (3) between about 0.02% and 3.0% 2-hydroxy ethyl mercaptan; heating said spinning solution and maintaining it at an elevated temperature; extruding said heated spinning solution through a spinneret into a liquid coagulating medium maintained at an elevated temperature; removing the resulting coagulated filamentary material from said coagulating medium; washing said filamentary material with water; orienting the washed filamentary material by stretching and thereafter heating said oriented material to an elevated temperature while it is in a relaxed condition.

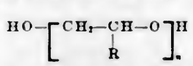
2,601,254

POLYMERIC COMPOSITIONS AND METHOD OF SHAPING SAME

Herman A. Bruson, Shaker Heights, and Thomas W. Riener, Rocky River, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

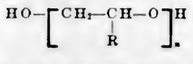
No Drawing. Application July 9, 1949, Serial No. 105,910
16 Claims. (Cl. 18—54)

1. A composition comprising a polymer of acrylonitrile containing in the polymer molecule at least 80% by weight of acrylonitrile and as a solvent therefor a mixture comprising ethylene carbonate and a water-soluble aliphatic polyhydric alcohol miscible therewith having the formula



where "R" is a member of the group consisting of hydrogen, methyl, and hydroxy-methyl; and "*n*" is an integer having the value 1 to 4 inclusive when "R" is hydrogen, 1 to 3 inclusive when "R" is methyl and unity when "R" is hydroxy-methyl the ratio by weight being no greater than 49 of ethylene carbonate to 1 of said polyhydric alcohol; said polymer comprising between about 10 and 30% by weight of the composition.

15. The method of forming a shaped article which comprises extruding into a liquid coagulating medium, a composition comprising a polymer of acrylonitrile containing in the polymer molecule at least 80% by weight of acrylonitrile and as a solvent therefor a mixture comprising ethylene carbonate and a water-soluble aliphatic polyhydric alcohol miscible therewith having the formula



where "R" is a member of the group consisting of hydrogen, methyl, and hydroxy-methyl; and "*n*" is an integer having the value 1 to 4 inclusive when "R" is hydrogen, 1 to 3 inclusive when "R" is methyl and unity when "R" is hydroxy-methyl; the ratio by weight being between about 49 and 2.3 of ethylene carbonate to 1 of said polyhydric alcohol; said polymer comprising between about 10 and 30% by weight of the composition; withdrawing the resulting formed product from said coagulating bath; washing said formed product with an aqueous medium; and stretching said washed product while in the presence of steam.

2,601,255

ACRYLONITRILE POLYMER SOLUTIONS IN A CYCLIC CARBONATE SOLVENT CONTAINING A KETONE AS A DISCOLORATION INHIBITOR

Herman A. Bruson, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application August 13, 1949, Serial No. 110,227
10 Claims. (Cl. 260—30.4)

1. A composition comprising the following: a polymer of acrylonitrile containing in the polymer molecule at least 80% by weight of acrylonitrile; as a solvent therefor a compound selected from the group consisting of the cyclic carbonates of 1,2-, 2,3-, and 1,3-dihydric aliphatic alcohols having no more than four carbon atoms in their alkylene radical; and a relatively small amount of a colorless ketonic compound having two ketonic carbonyl groups, said ketonic compound having only one hydrogen-bearing carbon atom between its ketonic groups, and the remainder of said ketonic compound consisting of carbon and hydrogen atoms.

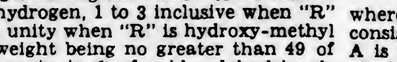
2,601,256

ACRYLONITRILE POLYMERS

Herman A. Bruson, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

No Drawing. Application October 27, 1950, Serial No. 192,639
21 Claims. (Cl. 260—79.3)

1. As a new composition of matter, a water-insoluble copolymer derived by the polymerization of a mixture comprising acrylonitrile and an unsaturated sulfonic acid compound selected from the group consisting of an unsaturated sulfonic acid and a water-soluble salt of an unsaturated sulfonic acid; said sulfonic acid having the formula



wherein *n* is zero or 1, R is a member of the group consisting of hydrogen and methyl radicals, and A is a member of the group consisting of oxyalkylene, hydroxyalkyleneoxy, thioalkylenehydroxy and thioalkylene radicals having at least two carbon atoms when *n* is equal to 1; said copolymer containing in the polymer molecule at least about 85% by weight of acrylonitrile and at least about 0.75% by weight of sulfonic acid groups.

2,601,257

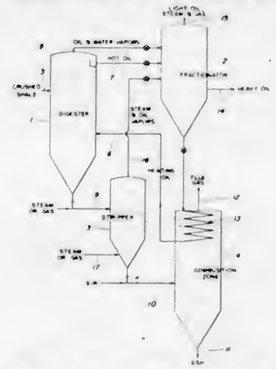
CONTINUOUS PROCESS FOR THERMAL EXTRACTION OF OIL SHALE

Frederick E. Buchan, Falls Church, Va., assignor to the United States of America as represented by the Secretary of the Interior

Application November 10, 1949, Serial No. 126,659
2 Claims. (Cl. 196—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A continuous process for the production of shale oil by thermal extraction of oil shale with a liquid hydrocarbon comprising the steps of passing fresh, relatively coarse oil shale to an extraction zone, and therein passing said shale countercurrently in contact with a liquid solvent consisting of a heavy shale oil fraction previously derived from the process, maintaining the temperature of the shale in said extraction zone from about 700° to 800° F. whereby the kerogen

content of said shale is converted into products soluble in said oil, while maintaining the pressure in said extraction zone substantially above atmospheric to prevent excessive volatilization of said oil and extraction products in said extraction zone, continuously removing an effluent from said extraction zone comprising a volatile overhead stream and a liquid stream consisting of extraction products dissolved in said solvent oil, separating said effluent into a plurality of fractions, including a heavy fraction, in a fractionating zone, continuously withdrawing extracted spent shale containing substantial quantities of adhering liquid hydrocarbons from said extraction zone, passing said extracted shale to a stripping zone maintained at a pressure substantially



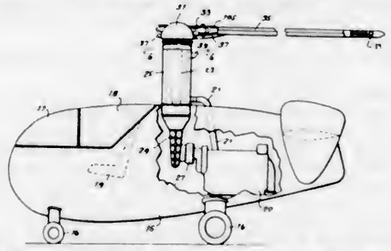
less than that in said extraction zone whereby a large portion of said adhering oil flashes into vapor, passing hot inert gas in contact with said extracted shale in said stripping zone to complete the removal of said adhering oil therefrom, passing said stripped spent shale to a combustion zone and therein burning the carbonaceous residue on said shale, passing at least a portion of the heavy oil fraction from said fractionating zone into said combustion zone in indirect heat exchange contact with hot combustion products, thereby heating said oil to a temperature greater than 700° F., but not exceeding 875° F., and then recycling said heated oil to said extraction zone in countercurrent contact with said shale.

2,601,258

HELICOPTER WITH JET-OPERATED ROTOR

Witold Brzozowski, Westmount, Montreal, Canada, assignor to Stefan Czarnecki, Walden, N. Y.

Application November 28, 1945, Serial No. 631,319
7 Claims. (Cl. 170—135.4)



1. A helicopter including a rotor having blades, bearings on which the rotor turns, a nozzle on each blade from which a jet of gas is projected rearwardly to turn the rotor on said bearings, chambers within the blades communicating with the upstream ends of said nozzles, apparatus that supplies compressed gas to the chambers, a shut off valve upstream from the discharge end of each nozzle and movable into a position to block the flow of compressed gas through that nozzle, and automatic valve-operating mechanism including elements responsive to the turning of the rotor on said bearings, said valve-operating mechanism being correlated with the positions of the bearings so as to shut off the jets from the respective blades during the time that the blades are retreating.

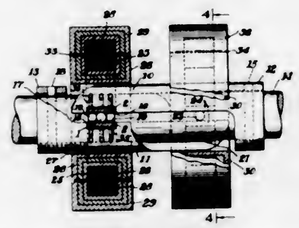
4. A helicopter including a pylon, a fixed hub portion secured to the upper end of the pylon and having a convex spherical bearing surface, an upper hub portion that rotates about an axis and that has a concave spherical bearing surface rotatable as a unit with the rotor about said axis and that fits the convex bearing surface, a labyrinth gland construction on one of the bearing surfaces and in position to cooperate with the other bearing surface to seal against gas leakage between the convex and concave bearing surfaces making the joint provided by said bearing surfaces substantially gas tight, an axle extending across the fixed hub portion and pivotally held by bearings in said fixed hub portion, central bearing means connecting the rotatable hub portion with the axle, conduits leading from the interior of the rotatable hub portion for passage of compressed gas from the interior of the hub to rotor blades connected to said rotatable hub portion, and a shield within the hub under said central bearing means, said shield being shaped to give the space below it a fair form for the flow of gas from the pylon upward into the hub and out through the conduits leading to the blades.

2,601,259

FORCE MEASURING DEVICE

Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application December 7, 1945, Serial No. 633,477
2 Claims. (Cl. 73—136)



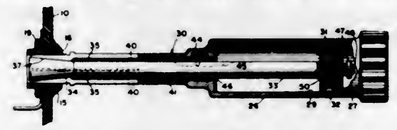
1. A torque meter comprising: a shaft in which the torque is to be measured, a pair of jaws rigidly attached to said shaft at different axially spaced points and extending into spaced overlapping relationship with one another, a resilient metal ball clamped between two resilient metal plates between said jaws, said ball and at least one of said metal plates being electrically insulated from said shaft, means for applying a potential between one of said plates and the other through said ball, and means for measuring the resistance between said plates according to the change in pressure on said plates by said jaws in proportion to the torque in said shaft between said spaced points, whereby variations in the pressure between said plates produce variations in the contact areas between said ball and said plates which produce variations in the resistance between said plates.

2,601,260

PILOT LAMP MOUNTING TOOL

Seny G. Calfee, Washington, D. C.

Application February 17, 1947, Serial No. 728,987
2 Claims. (Cl. 81—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



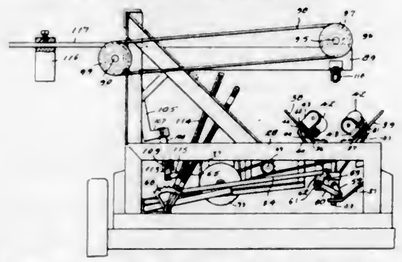
1. A pilot lamp receptacle mounting tool of the character disclosed for rotating an internally threaded fitting of the lamp receptacle to mount the receptacle on a panel comprising, in combination, a tubular body member, a handle provided at one end of said body member, a plurality of elongated flexible segments on the other end of said body member, said segments having threads thereon for connecting with the internal threads of said fitting, a shaft movable longitudinally through said body member, a threaded portion provided on said shaft adjacent said handle, means including a keyway and stud for preventing rotary movement of said shaft in the body while permitting axial movement therein, a nut journaled in the handle end of said body member and arranged to threadedly connect with the threaded portion of said shaft, said nut having an annular groove therein, a pin carried by said handle and extending into said groove to prevent axial movement of the nut with respect to the handle whereby said shaft is moved longitudinally through said body forcefully in either direction when the nut is rotated, and a conical cam connected at its vertex to the end of said shaft adjacent said flexible segments and constructed and arranged to spread said flexible segments into binding engagement with the fitting as the shaft is drawn inwardly or selectively to be released therefrom as the shaft is extended outwardly with respect to said body member.

2,601,261

ANGULARLY ADJUSTABLE FEED ROLLS FOR LOG PEELING OR ROSSING MACHINES

Robert J. Carpenter, West Enterprise, Miss.

Application August 3, 1950, Serial No. 177,531
3 Claims. (Cl. 144—246)



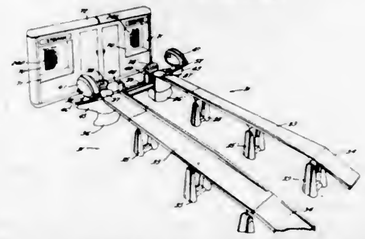
1. A log debarking machine comprising a frame, a plurality of upwardly divergent bars fixed to said frame, a lower pair of elongated bars fixed to said divergent bars, an upper pair of elongated bars slidable on said divergent bars, a plurality of U-shaped bearing members, rollers carried by said bearing members, means pivotally securing said bearing members between said upper and lower bars, and means connecting said upper bars to said frame, said means being operable to shift said upper bars relative to said lower bars to thereby vary the angular relation of said rollers with respect to the length of a log.

2,601,262

METHOD OF AND APPARATUS FOR MEASURING ALIGNMENT CHARACTERISTICS OF FRONT AND REAR WHEELS

Tracy Carrigan, Lansing, Mich., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware

Application April 3, 1946, Serial No. 659,317
9 Claims. (Cl. 33—46)



1. In an apparatus for measuring alignment characteristics of the wheels of a vehicle, the combination of: means supported independently of said vehicle for projecting a pair of approximately horizontal parallel light beams in parallel vertical planes; means for adjusting the spacing of said beam producing means from the front wheels of said vehicle to locate said vertical planes of said beams laterally equidistant from said front wheels; means for measuring the spacing of said beams from the rear wheels of said vehicle to indicate precisely what adjustment is needed between the rear end of said vehicle and said beams to bring the fore-and-aft axis of said vehicle and said planes into parallelism; a pair of rear wheel mirrors; means for mounting one of said mirrors on each of the rear wheels of said vehicle with said mirror substantially vertical and perpendicular to the plane of said rear wheel and with said mirror in position to intercept the light beam on that side of said vehicle; and screen means positioned to receive images produced by the reflections of said beams from said mirrors to facilitate the checking of alignment characteristics of said rear wheels.

2,601,263

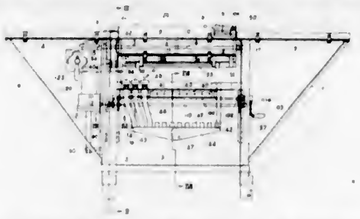
MACHINE FOR INVERTING CONTAINERS AND DIRECTING CLEANING FLUID THEREINTO

Leonard T. Cookson, Kalamazoo, Mich., assignor to The Upjohn Company, a corporation of Michigan

Application November 6, 1946, Serial No. 708,126
8 Claims. (Cl. 15—304)

1. In a container cleaning machine, the combination comprising: a frame; container-supporting mechanism rotatably mounted in said frame for rotation about a horizontal axis, and means associated with said mechanism releasably holding a container in fixed position with respect to said mechanism; a nozzle and a frame supporting said nozzle for movement toward and away from the axis of rotation of said container-

supporting mechanism, said nozzle supporting frame including a supporting plate slidably mounted on said first named frame; a slide reciprocable on an axis parallel to a reference line connecting said nozzle and the nearest point thereto on the line comprising the center of rotation of said container-supporting mechanism; means reacting to movement of said slide in one direction causing said supporting plate to move first in one direction parallel to the direction of movement of said slide and then in the opposite direction parallel to the direction of movement of said slide, thereby causing said nozzle first to move away from, and then toward, said container supporting mechanism when said slide is



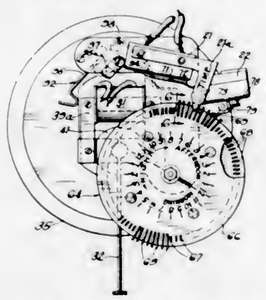
moved; means also reacting to movement of said slide in one direction rotating said container-supporting mechanism through 180°; means on said slide actuating said container holding means; manually controllable means controllably reciprocating said slide; means controllably effecting ejection of cleaning fluid from said nozzle; said parts being so associated with respect to each other that in one part of a cycle of operation of the machine a container will be held, inverted, entered by said nozzle, and contacted with cleaning fluid ejected from said nozzle, and in another part of said cycle the ejection of cleaning fluid will be terminated, the nozzle withdrawn from said container, the container returned to an upright position and released.

2,601,264

TIME CONTROL SYSTEM AND APPARATUS

Robert L. Daugherty, Madison, Wis., assignor to Hankscraft Company, Reedsburg, Wis., a corporation of Wisconsin

Application April 2, 1949, Serial No. 85,097
17 Claims. (Cl. 161—1)



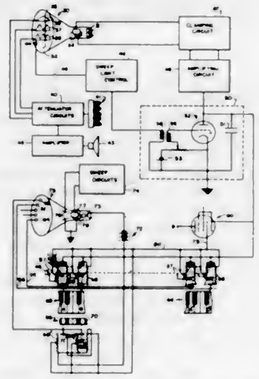
1. In a control system for an electric load circuit, the combination with a conventional electrically driven manually resettable clock, of gear means driven by said clock and forming in conjunction therewith a synchronously driven and simultaneously resettable 24-hour gear train, and switch means operable between on and off positions for controlling said load circuit and timing mechanism driven by said 24-hour gear train including a plurality of adjustable portions for operating said switch means between said on-position and off-position at a plurality of selected variable intervals during each 24-hour cycle.

2,601,265

ELECTRONIC MUSICAL INSTRUMENT

Merlin Davis, Milton, Pa.

Application June 6, 1947, Serial No. 753,118
12 Claims. (Cl. 84—1.28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a means for producing an oscillation, operating means causing said producing means to produce oscillations while said operating means is operated, amplitude control means for controlling the amplitude of said oscillation in a predetermined manner, said amplitude control means being operated by said operating means, said amplitude control means comprising a circular resistor having a predetermined variation of resistance along its length, a rotatable contactor continuously biased so as to cause its travel along said resistor at a predetermined rate of speed, arresting means having two positions, said arresting means in a first position stopping rotation of said contact in one position along its path of rotation, and said arresting means in a second position stopping said contact in another position along its path of rotation, said operating means also controlling said arresting means so that on operation of said operating means the contact means moves from said one position to said other position at a predetermined rate of speed, and so that on cessation of operation of said operating means said contact moves from said other position to said one position.

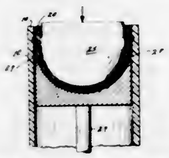
2,601,266

METHOD OF ATTACHING ENDS TO CYLINDRICAL OBJECTS OF RESIN IMPREGNATED CLOTH LAMINATES AND PRODUCTS SO PRODUCED

Frederich P. Ducatman, Plainfield, and Charles E. Eisenmann, New Brunswick, N. J., assignors to Steatite Research Corporation, Keasbey, N. J., a corporation of Delaware

Application October 17, 1950, Serial No. 190,576
5 Claims. (Cl. 154—83)

1. A process of producing a tubular, resin-impregnated, laminated structure with a closed end made up of a tubular section firmly united with an end section which has a relatively short, matching tubular portion which is united with said tubular section at the interior walls adjacent an end of the latter comprising the steps of providing a first of the two parts in its substantially completely cured and compact form, cutting indentations in that surface of the preformed first part which is to be united with a surface of the second part, placing said pre-



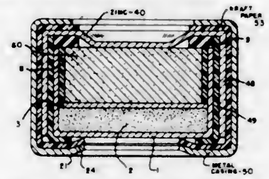
formed first part upon a supplemental mold form adapted to fill in the space between the two parts of the finished article which are not to be united, placing the laminations impregnated with incured resin which laminations are adapted to form the second part upon the surface formed by the combination of the mold and the indented surface of the first part and curing the resin of the said second part laminations to unite the second part lamination to each other and to the said first part.

2,601,267

PRIMARY ALKALINE CELL

Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army

Application February 10, 1950, Serial No. 143,492
1 Claim. (Cl. 136—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



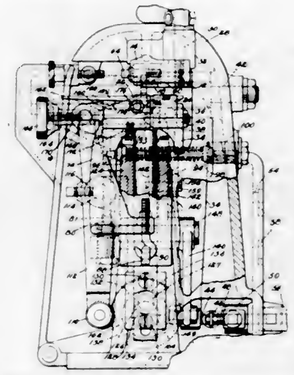
In a hermetically sealed primary alkaline dry cell of the zinc-mercuric oxide type comprising an assembly of an open top steel container, a depolarizing cathode in the bottom thereof, a barrier over said cathode, an anode on top of said barrier, an immobilized alkaline electrolyte, a metal cover for said container serving as anode terminal and a sealing ring of insulating, resilient material between said metal cover and the free edge of said open top steel container; said metal cover constituting the bottom of a cylindrical can, the walls of said can surrounding the walls of said steel container and extending downwardly towards the bottom of said steel container; said walls of said can being insulated from the walls of said steel container by layers of insulating, absorbent and alkaline resistant material; a cylindrically formed metallic casing laterally inclosing the cell, the walls of this metallic casing being insulated from all the metal parts of the cell by a layer of insulating, absorbent and alkaline resistant material; the free edges of said casing constituting sealing and clamping means holding said assembly under tight pressure.

2,601,268

ROUGH ROUNDING AND CHANNELING MACHINE

Harold Ernest Elliott, Harold John George, and Arthur Alan Rivington, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application January 5, 1951, Serial No. 204,516
In Great Britain January 14, 1950
10 Claims. (Cl. 12—18)



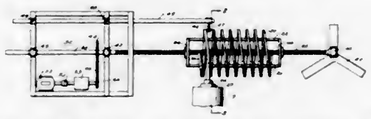
2. In a rough rounding and channeling machine, a work rest and an anvil having work engaging surfaces disposed in the same plane, a carrier for said anvil, a feed foot mounted to swing upon said carrier toward said anvil, means for constantly urging said feed foot toward said anvil, means for oscillating said carrier to cause said anvil and feed foot to be moved together toward and away from said work rest through alternate feeding and return strokes, a channeling knife carried by said feed foot and arranged to make a channeling cut during the return stroke of said anvil and feed foot, a presser foot cooperating with said work rest to hold the shoe against the cutting action of the channeling knife, means for relieving the pressure of said presser foot against the shoe during each feeding stroke of said anvil and feed foot, and a chopping knife cooperating with said anvil to trim the sole edge.

2,601,269

CURVED LENGTHS OF PLASTIC MATERIAL AND APPARATUS FOR MAKING THE SAME

Richard A. Fisch, Kew Gardens, N. Y.

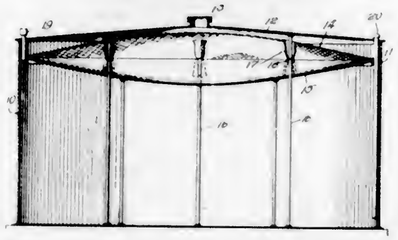
Application March 18, 1949, Serial No. 82,052
5 Claims. (Cl. 18—12)



1. An apparatus for producing curved strips of stiff thermoplastic material having at least one channel therein comprising a strip extrusion device for thermoplastic material having an extrusion orifice and means for heating and forcing thermoplastic material through said orifice in combination with a strip curving and supporting means comprising a helix shaped means having the curvature desired in the extruded strip and having a continuous outside portion

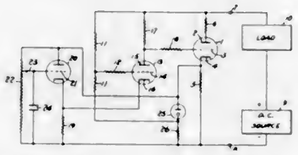
adapted to interfit with a channel in said curved strips and adapted to curve and support the extruded strip in curved position and to move the curved strip laterally away from the nozzle in the form of a helix until the curved strip sets by cooling and means for moving the successive portions of said helix curving and supporting means across the area in front of said nozzle.

2,601,270
STORAGE TANK FOR LIQUIDS
Edward S. Fraser and Clifford M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application November 12, 1946, Serial No. 709,288
6 Claims. (Cl. 220—85)



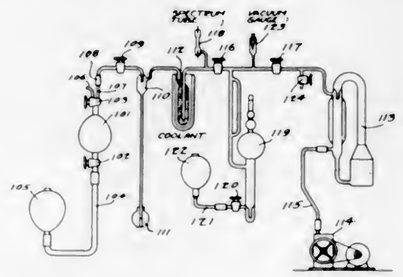
1. In a liquid storage tank having a shell and a dome-shaped weather roof thereover, breather means comprising: a flexible annular non-metallic diaphragm within said tank having its outer marginal edge secured to the upper portion of the tank on a substantially horizontal plane, said plane being at least as high as the high liquid level of said tank, said diaphragm being adapted to flex upwardly and downwardly to provide a variable volumetric vapor capacity for said tank, and a fixed dish-shaped vapor permeable supporting member secured within said tank adjacent the upper portion thereof and adapted to back up said diaphragm in its lowest position.

2,601,271
DIRECT CURRENT STABILIZER
Heyward A. French, Belleville, N. J., and Leo Staschover, Jamaica, N. Y., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1950, Serial No. 163,186
5 Claims. (Cl. 323—4)



1. A current regulator comprising a first electron discharge device and a resistor for connection in series with a direct current source and a load, whereby a predetermined voltage drop will be produced in said electron discharge device, a second electron discharge device for amplifying a portion of said voltage drop and applying it to said device to regulate current flow therein, a stabilizing voltage comparison source comprising a third electron discharge device and a series cathode resistor connected in series and across said first named resistor and means for connecting said second device in series with said cathode resistor to provide a comparison voltage for said second electron discharge device.

2,601,272
APPARATUS AND PROCEDURE FOR THE DETERMINATION OF HELIUM IN GASES
Ellis M. Frost, Jr., Amarillo, Tex., assignor to the United States of America as represented by the Secretary of Interior
Application June 27, 1947, Serial No. 757,784
8 Claims. (Cl. 73—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method for the quantitative determination of helium in a sample of known volume of a helium containing gas mixture under known conditions of temperature and pressure which comprises the steps of adsorbing non-helium components from said gas mixture; isolating the residual helium in a system of constant volume; confining a fixed portion of the isolated helium at the pressure of the isolated system; compressing said confined portion to a specific volume; measuring the pressure developed against a vacuum by said compressed specific volume; expanding said specific volume to the volume of the originally isolated system; confining therefrom a second portion of helium at the pressure of the expanded helium and equal to the portion confined for the first compression; compressing said second confined portion to the same specific volume to which said first compression was made; and measuring the pressure developed against a vacuum by said compressed second portion of helium whereby the helium content of the gas mixture can be calculated by the equation:

$$\text{Helium content of } V_1 = \frac{VP_1^2}{(P-k_t)P_2}$$

wherein:
V_1 is the volume of original gas mixture,
V is the specific volume to which the helium was compressed,
P is the pressure of the original gas sample,
P_1 is the pressure developed by the first compression,
P_2 is the pressure developed by the second compression,
k_t is the vapor pressure of water at temperature *t*, the temperature of the orginal gas sample.

2,601,273
COPOLYMERS OF CYCLOPENTADIENE
Howard L. Gerhart, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application June 8, 1950, Serial No. 166,983
30 Claims. (Cl. 260—23.5)

1. A copolymer of 20 to 90 percent by weight of an unsaturated glyceride oil, 5 to 80 percent by weight of a member of the group consisting of cyclopentadiene and lower homopolymers of cyclopentadiene and 1 to 50 percent by weight of a monomeric polymerizable ethylenically unsaturated compound which contains a



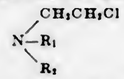
group linked to a negative group but which is free from conjugated diolefin groups.

2,601,274
MUCIC ACID RETARDED PORTLAND CEMENT
Omar J. Glantz and Eugene T. Oborn, Denver, Colo., assignors to the United States of America as represented by the Secretary of the Interior
No Drawing. Application August 26, 1949, Serial No. 112,641
1 Claim. (Cl. 106—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a process involving the hydration of Portland cement to harden and set the same, the improvement which comprises incorporating therewith about 0.01 to 0.5 percent by weight of mucic acid to inhibit flash setting.

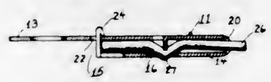
2,601,275
AROMATIC CHLORETHYLAMINES AND THEIR SALTS
William S. Gump, Upper Montclair, and Edward Joseph Nikawitz, Passaic, N. J., assignors to The Givaudan Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 29, 1949, Serial No. 124,481
5 Claims. (Cl. 260—570.8)

1. Compounds having the general formula:



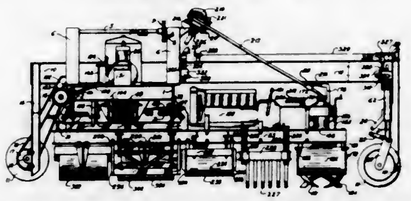
wherein R_1 is a member selected from the group consisting of C_2H_5, benzyl and methoxybenzyl and R_2 is a member selected from the group consisting of cinnamyl and methyl cinnamyl; and salts thereof with acids.

2,601,276
WIRE CONNECTOR
Herman L. Gordon, Silver Spring, Md.
Application June 30, 1947, Serial No. 757,999
25 Claims. (Cl. 287—82)



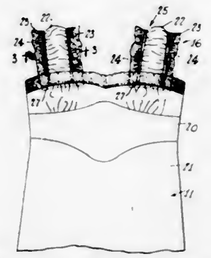
1. In a wire connector, a body member bent to define upper and lower arm portions, one of said arm portions being formed with an opening and the other of said arm portions being formed with a tongue directed toward said opening, and means projecting from one of said arm portions adapted to interlock with said other arm portion.

2,601,277
ROAD MACHINE
George P. Green, Lubbock, Tex.
Application March 3, 1945, Serial No. 586,882
14 Claims. (Cl. 94—44)



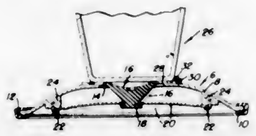
1. A road machine, comprising a wheel supported frame structure; a trackway supported by said frame structure transversely of the longitudinal axis thereof; a carriage supported by rollers on said trackway for back-and-forth movement thereacross; road working elements supported by said carriage; power means mounted on said frame to propel the machine; means operated by said power means to actuate the carriage back-and-forth on said trackway; said trackway comprising hinged sections; and means to adjust said hinged sections relative to each other to conform with a desired road crown curvature whereby movement of the carriage will conform therewith.

2,601,278
NIGHTGOWN
Norman Grober, New York, N. Y.
Application November 19, 1949, Serial No. 128,368
1 Claim. (Cl. 2—73)



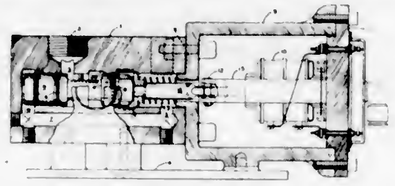
A nightgown comprising a body provided with a bodice and a unitary skirt, and shoulder straps attached to said bodice, each of said shoulder straps including an elongated, flexible shirred intermediate portion and spaced longitudinal elastic members secured to the sides of said shirred portion by stitching with said elastic members in a stretched condition, said elastic members being normally formed with contracted lengths positioning the nightgown on the wearer and with a combined resistance to stretching sufficient to support the weight of the nightgown without stretching so that said straps elongate in response to increased tensioning thereof, said elastic members and said shirred intermediate portion being secured at their ends adjacent the top of the front and back portions of said bodice.

2,601,279
NONTOPPLING BASE FOR DRINKING GLASSES
John J. Hacus, Chicago, Ill.
Application July 31, 1950, Serial No. 176,872
3 Claims. (Cl. 65—61)



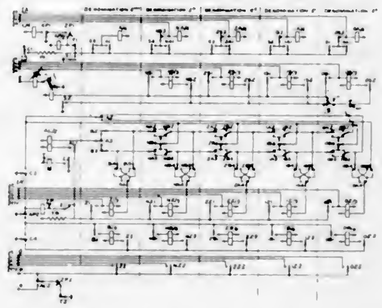
1. A drinking glass holder of the class described comprising a rigid concavo-convex base, the concave side of said base being adapted to face downwardly when the base is at rest on a support, the crown portion of said base having an aperture therein surrounded by at least one flat faced annular rest, a flat spring mounted in the concavity of said base and having its ends rigidly-attached to said base, said spring underlying and spanning the aperture in downwardly spaced relation, and a suction cup fastened on the intermediate portion of said spring and lined up for cooperation with said aperture.

2,601,280
CONTROL VALVE
Raymond E. Hays, Philadelphia, Pa.
Application May 14, 1946, Serial No. 669,553
1 Claim. (Cl. 251—118)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A fluid control valve structure comprising: a housing having a longitudinal bore, a first lateral bore located adjacent one end of said longitudinal bore for connection to a high pressure source of fluid supply, a second lateral bore located adjacent the other end of said longitudinal bore for connection to a low pressure fluid reservoir and a third lateral bore located intermediate said first and second lateral bores for connection to a fluid operated valve means, all of said lateral bores communicating with said longitudinal bore whereby a first fluid passage is formed through said longitudinal bore between said first and third lateral bores and a second fluid passage is formed through said longitudinal bore between said second and third lateral bores; a valve element slidably located within said longitudinal bore and having a first piston portion for controlling the flow of fluid through said first fluid passage and a second piston portion for controlling the flow of fluid through said second fluid passage, spring means biasing said valve member to a normal position, said piston members being spaced from each other such a distance that when in the normal position said first fluid passage is open and said second fluid passage is closed so as to permit fluid to flow from said high pressure source to said fluid operated valve means, and actuation of the valve element out of said normal position results in opening of said first fluid passage and closing of said second fluid passage so as to permit the high pressure fluid in said fluid operated valve means to flow to said low pressure reservoir, and a second longitudinal bore coextensive with the first mentioned longitudinal bore and in continuous communication with each end thereof when the valve element is in both the normal and actuated positions.

2,601,281
BINARY ADD-SUBTRACT DEVICE
George Clifford Hartley and William John Reynolds, London, England, and Leslie Baines Haigh, West Orange, N. J., assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 12, 1943, Serial No. 494,282
In Great Britain April 24, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 24, 1961
1 Claim. (Cl. 235—61)

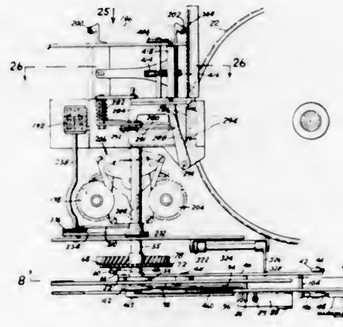


An electrically operated calculating apparatus comprising a first array of two-position devices, means to enter a number expressed in radix two into said apparatus by changing the condition of the individual devices in said array, means for storing the number entered into said first array, a second array of two-position devices, means to enter a second number expressed in radix two into said apparatus by changing the condition of the individual devices in said second array, means for representing the number entered into said second array as a complement of itself if the difference of said first two numbers is required and directly as the number itself if addition is required, and means automatically cooperative with said last mentioned means and said second array to restore and reoperate the devices of said first array to represent either the sum or the difference of said numbers by the condition of the devices therein, said last named means including contacts operated by the devices in said second array and said storing means and a set of sum-or-difference contacts in each denomination to determine whether the sum or difference is to be taken, the digital representation of each denomination of said sum or difference being controlled only by contacts of the devices in the corresponding denominations including said sum or differences contacts and the contacts of a device in at least one preceding denomination.

2,601,282
ALPHA-ALKYL-BETA-ARYLNITROETHENES
Richard V. Heinzelmann, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application April 30, 1948, Serial No. 24,430
5 Claims. (Cl. 260—612)

1. In a process for condensing an aromatic aldehyde selected from the group consisting of benzaldehydes and naphthaldehydes with a primary nitro paraffin having at least two carbon atoms in the presence of a basic condensation catalyst to produce an alpha-alkyl-beta-arylnitroethene, the steps of (1) conducting the condensation in a water-insoluble non-reactive organic solvent, and (2) distilling solvent and water produced by the condensation from the reaction zone substantially as rapidly as formed.

2,601,283
TICKET ISSUING MACHINE
Reuben H. Heisel, Long Island City, N. Y., assignor, by mesne assignments, to General Register Corporation, Long Island City, N. Y., a corporation of New York
Application December 13, 1945, Serial No. 634,697
13 Claims. (Cl. 101—66)



1. In combination, means for guiding and feeding a ticket strip having successive ticket areas thereon, selectively operable means for printing a selected one of different matters on the leading ticket area of the strip in a ticket issuing operation, removable means for printing one of a group of other matters on the leading ticket area of the strip, and interlocking means preventing printing of any of the first group of matters when one of said removable means is in position for printing.

5. In combination, means for guiding and feeding a ticket strip having successive ticket areas thereon, removable type-carrying means for printing on ticket areas of the strip, a guide for said removable means, printing means cooperating with said removable type-carrying means and defining a printing station, means controlling operation of the machine to effect printing by said printing means and feed of the ticket strip, means actuated by movement of said removable type-carrying means along said guide in a direction across the face of the ticket strip and transverse to the direction of feed of the ticket strip past said printing station to initiate operation of the controlling means, said guiding means guiding said strip for movement substantially in a plane at said printing station, and means for severing the ticket strip transversely to separate ticket portions therefrom, said severing means being located adjacent to said printing means and beyond the same in the direction of feed of the ticket strip.

2,601,284
HEAT RESISTANT PANEL
Charles B. Hemming and Ray L. Overholt, New Rochelle, N. Y., assignors to United States Plywood Corporation, New York, N. Y., a corporation of New York
Application January 18, 1947, Serial No. 722,840
2 Claims. (Cl. 154—45.9)



1. As a new article of manufacture, a low pressure laminated material comprising a wood base member, a metal sheet, a wood veneer, and an adhesive comprising polyvinyl butyral mixed with phenol formaldehyde; said base member and said veneer each being directly secured at one face thereof to an opposite surface of said metal sheet by said adhesive; and a heat resistant coating applied to the other face of said veneer and comprising approximately 65 parts by weight of a monomeric form of organic ester of allyl alcohol, approximately 35 parts by weight of methyl methacrylate, and approximately 2 parts by weight of tertiary butyl hydroperoxide.

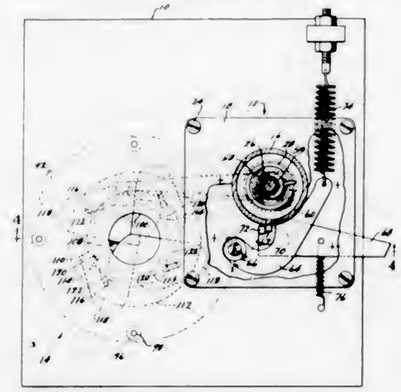
2,601,285
MEDICINAL PREPARATION FOR DYSMENORRHEA
John Henderson, Princeton, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
No Drawing. Application December 20, 1949, Serial No. 134,142
8 Claims. (Cl. 167—55)

5. A composition comprising about one part by weight of theophylline compound, from about one-quarter of a part to about three parts of mild analeptic, from about three to about twenty-two parts of analgesic, and iron compound comprising from about one-tenth to about one and one-half parts by weight of available iron.

2,601,286
TWO-RING ACTION CAMERA SHUTTER
James E. Henry, Dayton, Ohio
Application July 5, 1951, Serial No. 235,355
4 Claims. (Cl. 95—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A two ring action camera shutter which comprises, two concentrically supported independently rotatable rings one within the other, a circular row of equally spaced pins extending axially from the inner ring, a circular row of a like number of equally spaced pins extending axially from the outer ring, a number of shutter blades corresponding to the number of pins in each of said rows, each blade having a pivotal opening to fit over one of the inner ring pins, and a slot to fit over one of the outer ring pins, the inner end of a slot being at most as far from the pivot pin as the difference between a radius of an inner ring pin and the radius of an outer ring pin, and the outer end of the slot being at least

as far from the pivot pin as the ring pins are apart when at maximum opposite rotation of said rings, an upper plate having a number of circumferentially equally spaced slots corresponding in number to the number of pins in each row, and corresponding in position to the radius of the outer ring pins, and a like number



of circumferentially spaced slots corresponding radially to the inner ring pins, said outer and inner ring pins projecting through said upper plate slots, two rocking pins extending downward, one from each ring, a two bearing crank, connecting rods joining the crank pin bearings to the two rocking pins, and means to rotate said crank.

2,601,287

PARTIAL SYNTHESIS OF PROGESTERONE

Frederick W. Heyl and Milton E. Herr, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application August 18, 1949, Serial No. 111,098

8 Claims. (Cl. 260—397.3)

1. A method for the synthesis of progesterone comprising: ozonizing stigmastadienone with an ozonizing agent to produce stigmastadienone 22:23 ozonide, reductively decomposing the ozonide to produce 3-ketobisnor-4-cholene-22-al, esterifying the 22-enold form of the 3-ketobisnor-4-cholene-22-al to produce a 22-enol ester thereof, ozonizing the 22-enol ester with an ozonizing agent to produce the 20:22 ozonide thereof, and decomposing the ozonide to produce progesterone.

2,601,288

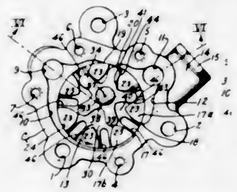
LUBRICATING PUMP FOR ENGINES

Myron F. Hill, Westport, Conn.

Application July 8, 1947, Serial No. 759,551

9 Claims. (Cl. 103—126)

1. The combination for a pad or clamping area on an engine for a lubricating pump, said pad having a central bore for a pump driving shaft in a sleeve or shank, three threaded bolt holes in said pad around said central bore, for bolting said pump to said pad, and two oil holes each located between two of said bolt holes, one oil hole for connection to the sump of said engine, and the other to bearings inside of said engine; comprising an oil pump having a cup containing three bolt holes located to register with the bolt holes in said pad, a shank projecting from said cup and located to enter said central bore in said pad, a cup on said base containing two toothed rotors, one within and eccentric to the other, and having rotor chambers between them which open and close during rotation to receive and discharge oil, a driving shaft in said shank entering said cup, a drive plate in said cup having a drive connection to said driving shaft, the teeth



of said outer rotor being mounted on said drive plate and spaced apart angularly to allow radial flow of oil between them, inlet and outlet ports in the wall of said cup surrounding the teeth of said outer rotor, oil holes in said cup, passageways from said ports to said oil holes in said cup, said oil holes in said cup located to register with the oil holes in said pad.

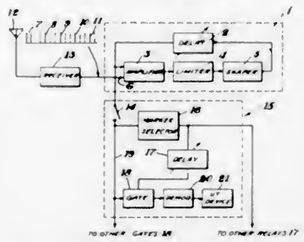
2,601,289

REITERATING SYSTEM

Max G. Hollabaugh, Jackson Heights, N. Y., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application April 26, 1946, Serial No. 667,318

6 Claims. (Cl. 250—27)



4. A pulse-reiterating system comprising a pulse repeater responsive to an input pulse for producing an output pulse of substantially constant amplitude and shape, a delay device having its input coupled to the output of the repeater and its output coupled to the input of said repeater, means for impressing a series of pulses upon said repeater, and means for selecting a desired one of said pulses, comprising a normally-blocked circuit, and means for unblocking said circuit for a predetermined interval.

2,601,290

WHEEL DRESSING MECHANISM

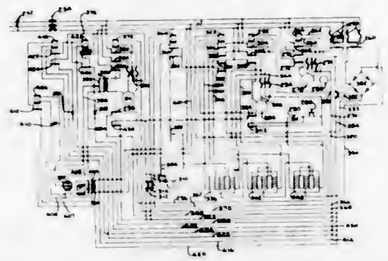
Cecil W. Hopkins and Roy I. Eyler, Waynesboro, Pa., assignors to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania

Application March 16, 1945, Serial No. 583,038

17 Claims. (Cl. 125—11)

10. In combination with a grinding machine having a motor driven abrasive wheel, a contouring roller mounted in opposed relation to the periphery of said wheel, means for applying a

pressure force to said roller to cause its contoured surface to penetrate the peripheral face of the abrasive wheel to a predetermined depth, an operating motor for said roller, a circuit for



said motor, and means in said circuit automatically operable when said predetermined depth of penetration of the abrasive wheel is reached to open the circuit and de-energize said motor.

2,601,291

NONFREEZING SILICA SOLS STABILIZED WITH ORGANIC AMINE COMPOUNDS

Samuel C. Horning, Wilmington, Del., and Charles W. Shay, Upper Providence Township, Delaware County, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 18, 1949, Serial No. 128,255

7 Claims. (Cl. 252—313)

7. An aqueous silica sol modified by the addition of, per hundred grams of SiO_2 in the sol, about from 0.05 to 2.2 mols of a water-soluble, organic amine having no chain of more than six carbon atoms, the amine being selected from the group consisting of acyclic and alicyclic, non-aromatic amines.

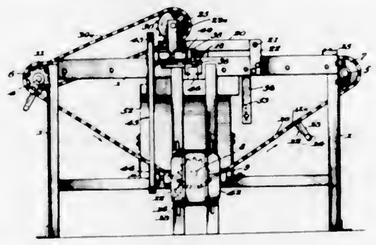
2,601,292

FISH SKINNING MACHINE

Gottfried Erwin Hube, Bellingham, Wash., assignor, by mesne assignments, to Pacific Laboratories, Inc., Bellingham, Wash., a corporation of Washington

Application March 20, 1946, Serial No. 655,647

12 Claims. (Cl. 17—2)



1. Apparatus for separating the flesh from the skin of fish which are split in the central longitudinal dorsal-ventral plane, comprising a frame having receiving and discharging ends, a rotatable roller and a knife mounted on said frame, said roller having a smooth peripheral surface and said knife having a cutting edge presented tangentially to said surface and spaced therefrom a distance only slightly greater than the thickness of the skin of the fish, conveying means for moving the fish between said receiving and discharging ends and past said knife including gripping members to clamp the tails of successive fish and pull them tail end first past said knife with the skin side of the fish presented toward said roller, means operable in timed relation with the movement of said gripping members to close them on a fish tail prior to their arrival at said knife and to open them for releasing the fish tail and skin after they have passed said knife, and a plurality of fingers positioned along the length of said roller to engage and press the fish against said roller immediately in advance of said knife, and means for mounting said fingers for independent yielding movement governed by the thickness of that portion of the fish which they contact.

2,601,293

POLYMERIZATION INITIATION SYSTEMS COMPRISING A HYDRAZONE, A PEROXY COMPOUND, AND CUPRIC ION

Edward G. Howard, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 1, 1950, Serial No. 153,483

16 Claims. (Cl. 260—63)

1. In the addition polymerization of a polymerizable ethylenically unsaturated monomer, the improvement wherein said monomer is polymerized by bringing the same in contact with an initiator system comprising a hydrazone, a peroxide, and a solution of cupric copper.

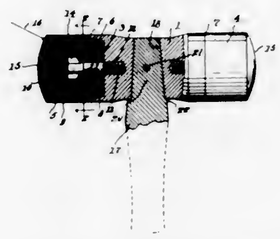
2,601,294

SOFT-HEADED HAMMER

Walter K. Jahn, Beverly Hills, Joseph A. Carmien, Los Angeles, and John E. Mullings, Pacific Palisades, Calif., assignors to New Plastic Corporation, Los Angeles, Calif., a corporation of California

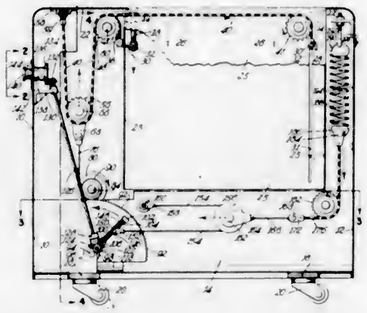
Application March 12, 1946, Serial No. 653,792

4 Claims. (Cl. 145—36)



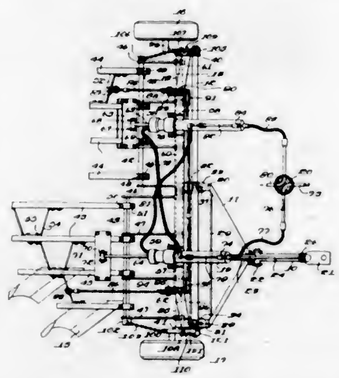
1. A hammer head having a rigid body, a percussion head of yielding cushion material seated on said body and having a percussion face on its outer end, a baffle head in the form of a disc embedded in the cushion material of said head and extending transversely therein behind the percussion face, and a stem connecting said baffle head to said rigid body, said disc operating to absorb a portion of the force developed in the percussion head when a blow is struck with the hammer at the percussion face.

2,601,295
SELF-LEVELING DISPENSER
Thormod Jensen, Laurelton, N. Y., assignor to American Machine and Foundry Company, a corporation of New Jersey
Application March 31, 1948, Serial No. 18,112
6 Claims. (Cl. 312—71)



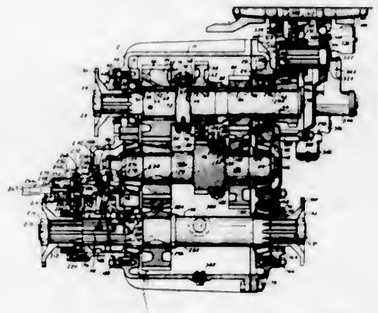
6. A self leveling storing and dispensing apparatus comprising, a vertically movable carrier platform, calibrated springs for counterbalancing said platform to maintain the top of the material supported on the platform at substantially the same level regardless of whether material is added or removed from the material already supported on the platform, a pivoted lever having input and output connections, flexible members interconnecting said springs with one of the connections of said lever, a second set of flexible members interconnecting said carrier platform with the other of said connections of said lever and means for moving one of said connections toward and away from the pivot of said lever to change the output force of said lever and thereby change the load carrying capacity of said carrier platform.

2,601,296
AUTOMATIC ALIGNING AND LEVELING TWO-WAY PLOW
James E. Johnson, South Dos Palos, Calif.
Application February 8, 1950, Serial No. 142,979
4 Claims. (Cl. 97—29)



1. A twin two-way plow comprising a frame having a transversely disposed axle and a pivot bar spaced from the axle, supporting wheels journaled on the frame, a tongue slidably mounted on the axle, a plow pivotally mounted on the pivot bar and positioned on one side of the center of the frame, another plow positioned opposite to the former plow also mounted on said pivot bar and positioned on the opposite side of the center of the frame, means elevating the plows independently to inoperative positions, means actuating the tongue to a position aligned with one of the plows by the plow mounting means as the plow is lowered to an operative position, and means lowering the adjacent supporting wheel of the frame by the said plow as the plow is lowered to the operative position.

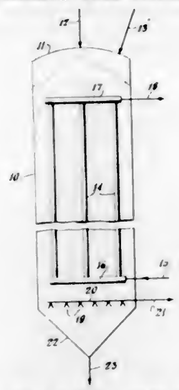
2,601,297
POWER TRANSMITTING MECHANISM
Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application November 29, 1945, Serial No. 631,636
14 Claims. (Cl. 74—359)



1. In a power transfer case, power input and output shafts and an intermediate countershaft, direct and overdrive power transmitting connections between the power input and output shafts, comprising axially spaced gears fixed to the countershaft, direct and overdrive gears rotatably mounted on the power input shaft and in constant mesh with the respective gears on the countershaft, a gear fixed to the output shaft in mesh with the countershaft gear engaged with said direct drive gear, and clutch means comprising a clutch collar rotatable with the input shaft between the direct and overdrive gears thereon and axially shiftable to selectively engage clutch means on the respective gears and connect the same for unitary rotation with the input shaft.

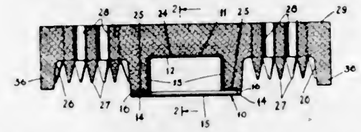
2,601,298
COOLING GASES CONTAINING CONDENSIBLE MATERIAL
Percival C. Keith, Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application February 8, 1949, Serial No. 75,203
14 Claims. (Cl. 183—114.2)

1. In the method of cooling a gaseous stream comprising condensible material by passage of said stream over cooling surfaces at a temperature which is effective for the deposition of said condensible material in frozen form on said cooling surfaces, the improvement of substantially preventing said deposition of frozen condensible material which comprises moving over said cooling surfaces a particulate adsorbent adapted to adsorb preferentially said condensible material,



while passing said stream over said cooling surfaces.

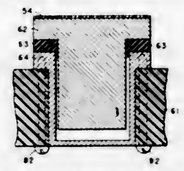
2,601,299
RADIANT GAS BURNER
Walter Kennedy, Cliffside Park, N. J.
Application August 18, 1947, Serial No. 769,274
5 Claims. (Cl. 158—113)



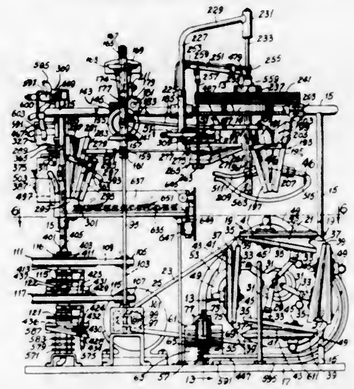
5. A burner unit for radiants having on the lower surface thereof an elongated recess, in which a burner unit is adapted to be mounted, said unit comprising two elongated sheet metal parts, one part comprising an inverted deep channel having depending parallel side walls, said side walls having laterally extending flanges having parallel edges, the other part being transversely straight throughout its length and closing said channel and arranged upon and secured to the flanges of the first part at longitudinally spaced intervals, said straight part having edges in alinement with the edges of said flanges, said straight part comprising a sheet corrugated transversely for the full width of the sheet, the corrugations of said sheet intermediate the secured intervals, forming in conjunction with said flanges, thin discharge nozzles for discharging fuel from said casing, an end wall closing one end of the channel of the unit, and the other end of the unit being open for admission of combustible gases into said channel.

2,601,300
ELECTROACOUSTIC TRANSDUCER
Elias Klein, Washington, D. C.
Application February 20, 1946, Serial No. 649,103
2 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An underwater transducer comprising a linearly vibrating piezoelectric crystal transducer element having opposite flat parallel vibrating faces, an individual relatively massive backing block fixedly secured to one of said vibrating faces, a base member for said transducer element having formed therein an air chamber open at only one end, said transducer element being mounted with its backing block across the open end of said chamber in overlapping relation with said open end, and a sealing gasket element interposed between the overlapping portions of the backing block and base member and constituting the sole mechanical connection between the backing plate and the base member.



2,601,301
RECORD CHANGER
Victor G. Klein, St. Louis, and Carl H. Mueller, Ferguson, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application November 21, 1945, Serial No. 629,932
57 Claims. (Cl. 274—10)

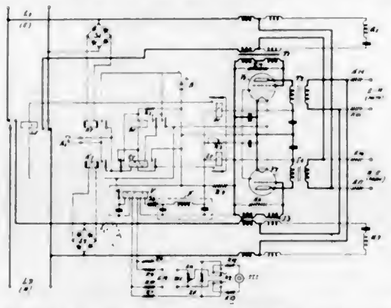


1. In a record changer, an invertible turntable, means adjacent said turntable for holding a supply of records, transfer means adapted to transfer a record from said supply to said turntable, means for rotating said turntable, vacuum means associated with the turntable for attracting the record to the turntable with a force greater than the weight of the record, means for inverting the turntable with the vacuum-attracted record, and means for subsequently breaking the vacuum while the turntable is inverted in order to release the record.

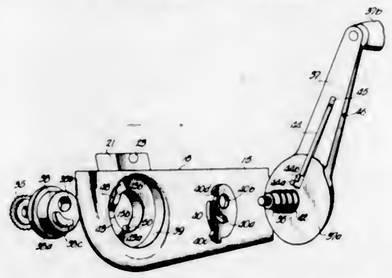
2,601,302
TWO-WAY WIRE TELEPHONE REPEATER CIRCUIT
Marc A. Lalande, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1945, Serial No. 635,333
In France May 2, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 2, 1961
11 Claims. (Cl. 179—16)

1. A telephone system comprising a pair of transmission channels, a repeater in a normally

inactive state, means responsive to a signal, received over one of said channels and normally used for completing the connection for automatically activating said repeater, means responsive to the termination of said signal for interconnecting said channels and repeater, and means responsive to a second signal over one of said channels for automatically disconnecting said repeater therefrom and for rendering said repeater inactive.

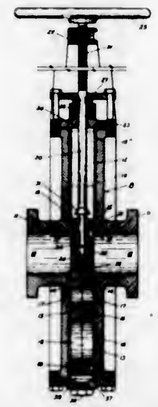


2,601,303
CAN OPENER
William J. Landry, Blue Springs, Mo., assignor to John C. Hockery, Kansas City, Mo., trustee
Original application November 23, 1949, Serial No. 129,139. Divided and this application April 21, 1950, Serial No. 157,247
31 Claims. (Cl. 30—9)



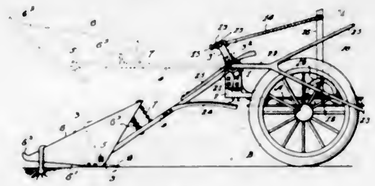
1. In a can opener, a stationary body, a rotatable plug journaled in the body, a rotatable shaft journaled in the plug, the axes of the plug and shaft being laterally spaced from one another, a cutter wheel and a cooperating feed wheel for engagement with the flange of the can, one of said wheels mounted on said body and the other secured on one end of said shaft to turn therewith, a crank connected to the other end of the shaft for turning same, a dog carried by the crank and movable adjacent the shaft toward and away from the end of the plug, means urging said dog toward said end of the plug, said plug being provided at said end with an abutment surface on which the dog is adapted to ride with a recess in said surface to register with and receive the dog when the crank is in a predetermined angular position relative to the plug, said dog when received in said recess causing the plug to turn with the crank, and a camming means on the body engaged by the dog to maintain the dog above the level of said abutment surface whenever the crank is in a predetermined angular position relative the body.

2,601,304
GATE VALVE
George S. Lane, Cheyenne, Wyo.
Application September 3, 1946, Serial No. 694,569
10 Claims. (Cl. 251—68)



1. A valve comprising a body having a fluid passage extending horizontally therethrough and a valve gate passage therein extending generally vertically and across said fluid passage; valve seats on opposite sides of said valve passage and extending around the periphery of said fluid passage; a pair of valve gates disposed in side by side relation in said valve passage and adapted to be pressed against said seats to form a seal therewith; means attaching said gates together at the lower end thereof; a valve stem extending in said valve passage; and rivet means spaced above the lower edges of the gates for connecting said stem and said gates for wedging said gates against said seats when said stem is moved to its lowermost position and for relieving the wedging action of said gates and moving said gates to a fluid flow position when said stem is moved upwardly.

2,601,305
APPARATUS FOR RAISING RECLINING CORN PLANTS TO VERTICAL POSITIONS
Kermit D. Laun, New Holland, Ill.
Application September 27, 1948, Serial No. 51,396
6 Claims. (Cl. 56—119)

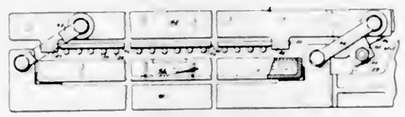


1. In a device for raising reclining plants to a vertical position, which device is adapted to be attached to a conventional tractor having a frame and spaced wheels determining the tread of the tractor, a pointed shoe adapted to travel close to the ground in advance of said tractor, said shoe having a rearwardly extending heel portion and a top surface portion inclined upwardly and rearwardly from the point of said shoe, a bracket mounted on the frame of said tractor, a horizontal supporting rod carried by said bracket, a sleeve mounted to rock on said rod, an arm carried by said sleeve and fixed against lateral pivotal movement with respect thereto and adapted to rock in a vertical plane and having pivotal connection with said shoe forwardly of said heel portion, and an adjustable hand lever pivoted to the frame of said tractor and operatively connected to said arm for raising the same and permitting it to lower, said arm being free to raise with respect to the lever.

2,601,306
METHOD FOR DISSOLUTION OF CHROMIUM FROM CHROMITE ORES
Rex R. Lloyd, Boulder City, Nev., and William T. Rawles, Pittsfield, Mass., assignors to the United States of America as represented by the Secretary of the Interior
No Drawing. Application February 24, 1948, Serial No. 10,552
2 Claims. (Cl. 23—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the dissolution of chrome ores in a solution containing ammonium ions without the formation of chrome ammonium alum which comprises dissolving said ores in a solution containing ammonium sulfate, chromic acid, and 30 to 50 per cent sulfuric acid by weight, said solution having a temperature within the range of 165° C. to 125° C., the temperature decreasing with the increase in percentage of sulfuric acid.

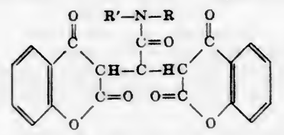
2,601,307
BEAD COATING MACHINE
Maximilian C. Meyer and Frank Cherry, Brooklyn, N. Y., assignors to Richelieu Corporation, a corporation of New York
Application April 6, 1949, Serial No. 85,812
2 Claims. (Cl. 118—425)



1. An apparatus for dip-coating a predetermined portion of a series of articles suspended from a planar surface comprising a base portion having sides forming an enclosure adapted to contain a coating bath, a frame of substantially the same size as the enclosure formed by the sides of said base, two pair of parallel links connecting two opposite sides of said frame to two corresponding opposite sides of said base so that the frame is movable with respect to but is retained parallel to said bath from a position above said base to a position adjacent the surface of the liquid in said coating bath, and a plurality of projecting portions on the lower side of said frame adapted to retain an article-holding plate, in combination with at least one article-holding plate, said article-holding plate having one flat surface thereof coated with an adhesive material adapted to retain the articles to be coated thereon.

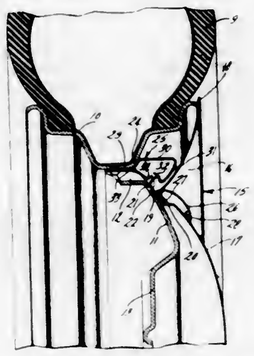
2,601,308
ANTICOAGULANT, AMIDE OF 3,3'-CARBOXYMETHYLENE BIS(4-HYDROXYCOUMARIN)
Joseph J. Lovas, Ridgewood, N. Y., assignor to Specific Pharmaceuticals, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 3, 1950, Serial No. 166,070
10 Claims. (Class 260—344.6)

1. Amides of 3,3'-carboxymethylenebis (4-hydroxycoumarin) of the following general formula:



where R and R' are selected from the group consisting of hydrogen and alkyl and alkylene radicals having not over 5 carbon atoms.

2,601,309
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application February 9, 1946, Serial No. 646,637
10 Claims. (Cl. 301—37)

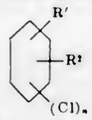


1. In a cover structure for a wheel including tire rim and body parts, a circular cover for disposition on an outer side of the wheel having a shoulder, and cover retaining means normally concealed by the cover and cooperable with said shoulder, said means including a plurality of spring clips and connected to one of said body parts and each including a turned free extremity yieldably deflectable by pressure thereagainst of said shoulder so that said shoulder may be cammed over and behind an edge of said free extremity, said retaining means also including a turned edge extending opposite to and being disposed adjacent the edge of each spring clip for assisting in centering the shoulder of the cover on the wheel and for preventing the shoulder from over-riding the extremity of the turned edge of each of the clips, said cover including an outer annular ring connected at its inner margin to a central circular member and said central circular member having a portion extending rearwardly behind said outer ring and formed into said shoulder cooperable with the cover retaining spring clips, said ring being attached to said central circular member by an annular snap on bead including under-turned fingers for gripping a

portion of the central circular member and for bearing against a radially inner margin of said ring.

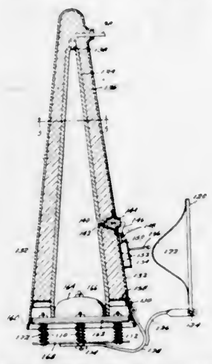
2,601,310
CHLORINATION OF (PERFLUOROALKYL) BENZENES
Earl T. McBee, West Lafayette, Ind., and Marvin R. Frederick, Wadsworth, Ohio, assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application June 1, 1948, Serial No. 30,508
6 Claims. (Cl. 260—651)

1. A process for the chlorination of (perfluoroalkyl) benzenes, which comprises: introducing a starting compound having the formula:



wherein R′ and R^2 are perfluoroalkyl groups having up to three carbon atoms and wherein n is an integer from 0–3, inclusive, in the vapor phase, into a reaction zone containing activated carbon impregnated with a metallic chloride selected from the group consisting of iron (III), antimony and nickel chlorides, said reaction zone maintained at a temperature between approximately 150 and 300 degrees centigrade; concurrently introducing chlorine, in an amount at least sufficient to replace the desired number of hydrogen atoms in said starting compound with conversion of the replaced hydrogen atoms to hydrogen chloride, and separating from the reaction mixture a (perfluoroalkyl) benzene having a higher chlorine content than said starting compound.

2,601,311
JET PROPULSION ENGINE
Clarence J. McCormick, Chicago, Ill.
Application July 22, 1946, Serial No. 685,290
2 Claims. (Cl. 60—35.6)



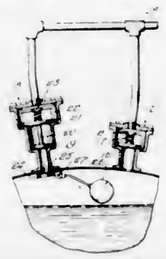
2. In a jet propulsion engine, the combination which comprises an elongated conical shaped nozzle closed at the small end and in which the large end is open, a closure positioned in the open end, an arcuate arm hinged at one end to the wall of the nozzle and positioned with the opposite end extended over and spaced from the closure, resilient means carried by the end of the arm spaced from the closure for urging the closure against the end of the nozzle, igniting means in the nozzle, means actuating the igniting means and opening the closure simultaneously, and control means suppling charges of gas intermittently to a combustion chamber in the nozzle.

2,601,312
COASTER
William A. McGrew, Denver, Colo.
Application April 15, 1946, Serial No. 662,205
2 Claims. (Cl. 65—53)



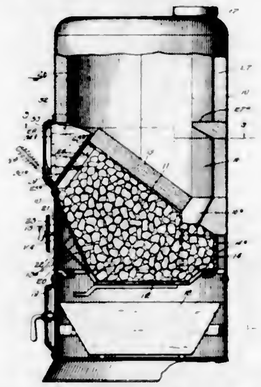
1. A coaster for beverage glasses or the like, comprising a body with a substantially vertical peripheral flange and a raised central portion, the upper and lower surfaces of the bottom of said body inclining downwardly from said central portion to said flange with the upper surface more steeply sloped than the lower surface, and a plurality of narrow widely spaced radial ribs extending upwardly from said upper surface and terminating in proximate but spaced relation to said flange, the top surfaces of said central portion and said ribs being in a common plane substantially parallel to the lower surface of the body on which the coaster rests and below the top edge of said flange, thus providing a seat for a beverage glass, the part of said upper surface between the ends of said ribs and said flange being at a lower elevation than any other part of said upper surface to form a deep annular collecting basin.

2,601,313
METHOD OF STORING VOLATILE LIQUIDS
Charles J. Merriam, Winnetka, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application November 13, 1945, Serial No. 628,239
6 Claims. (Cl. 220—85)



5. A storage system for storing volatile liquids having a substantial vapor pressure substantially below atmospheric pressure comprising a storage vessel capable of withstanding substantially a full vacuum and also an internal gauge pressure substantially equal to atmospheric pressure, a vent connected to the vessel and having a pressure responsive valve closure therein adapted to open in response to the build up in the vessel of an internal pressure slightly less than the safety limit of the vessel and to remain open only while said internal pressure is maintained, a second vent connected to the vessel and having a pressure responsive valve closure therein adapted to open in response to the build up in the vessel of an internal pressure slightly less than the safety limit of the vessel and to remain open until a pressure slightly greater than atmospheric is reached, a gate closing said second vent and having operating means for placing the vent in communication with the interior of the vessel only when the vessel is slightly less than full, and means for introducing liquid into and withdrawing liquid from the vessel.

2,601,314
COAL STOVE
John C. Miles, Urbana, Ill., assignor to The University of Illinois Foundation, a nonprofit corporation of Illinois
Application June 2, 1947, Serial No. 751,906
2 Claims. (Cl. 126—73)

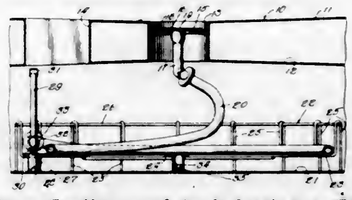


1. In a coal stove and the like including a fire box and means forming a passageway for gases adjacent the top of the fire box, a door in the fire box adjacent the top thereof normally closing an opening between said passageway and the fire box, a second door adjacent the first door normally closing an opening between said passageway and the exterior of the stove, said first door being hingedly mounted on said second door, and single means for opening said first door and said second door.

2,601,315
MANUFACTURE OF POLYVINYL ACETATE EMULSION PAINTS
George O. Morrison, Milltown, N. J., and Daniel Schoenholz, New York, N. Y., assignors to Shawinigan Products Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 3, 1947, Serial No. 745,718
15 Claims. (Cl. 260—29.6)

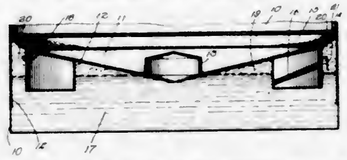
2. Process for the manufacture of polyvinyl acetate emulsion paints characterized by good paintability, brushability, leveling, covering power, and adhesion to old oil paint surfaces, which comprises vigorously agitating a polyvinyl acetate emulsion prepared by polymerization of vinyl acetate in aqueous suspension and having a maximum average particles size of 5 microns and containing a wetting agent, and mixing therewith, without the aid of applied heat, a conditioning agent for the polyvinyl acetate resin, an adhesion-promoting resin, an aqueous pigment paste, and an added quantity of a wetting agent to bring the total content of wetting agent to no more than about 0.455% of the total paint composition, and continuing the mixing until a uniform dispersion is obtained.

2,601,316
DRAIN FOR FLOATING ROOF TANKS
Frederick D. Moyer, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application October 16, 1948, Serial No. 54,922
4 Claims. (Cl. 220—26)



1. In a floating roof tank having a floating roof, and a sump and manhole in the roof, drainage means for the roof comprising a bendable drain having one end connected to the sump, an upstanding member fixed to the bottom of the tank a removable member extending upwardly above the bottom of the tank beneath the manhole and having clamping means for removably securing said members together, and means for attaching the other end of the drain to the removable member, said drain being in an untwisted condition when the roof is in its lowest position within the tank.

2,601,317
VAPOR VENT FOR FLOATING ROOF TANKS
Frederick D. Moyer, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application June 26, 1946, Serial No. 679,382
15 Claims. (Cl. 220—26)



1. In a floating roof tank comprising a shell adapted to store liquid and a floating roof therein having its peripheral edge spaced from the shell, an annular barrier extending downwardly from the roof forming a primary confined vapor space located above the surface of the stored liquid inside the barrier, and a secondary confined vapor space located above the surface of the stored liquid and outside the barrier separate from the primary vapor space, communicating means connecting the two vapor spaces and being normally closed by the stored liquid, a vent pipe means in the secondary vapor space at a point remote from the communicating means, said communicating means being so arranged that a higher pressure is required in the primary vapor space than in the secondary vapor space during venting.

2,601,318
METHOD OF LAMINATING ARTICLES
Victor A. Navikas, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application June 11, 1946, Serial No. 676,074
7 Claims. (Cl. 154—139)

6. A method of joining lamina, at least one of which has a surface containing as an essential

ingredient thereof polyvinylidene chloride, the steps comprising positioning between said lamina and in engagement with said polyvinylidene chloride an aqueous emulsion of a copolymer of butadiene and styrene containing about 50 parts butadiene to about 50 parts of styrene and having a cloud-point at 70° F., as herein defined, in said polymerization product between the limits



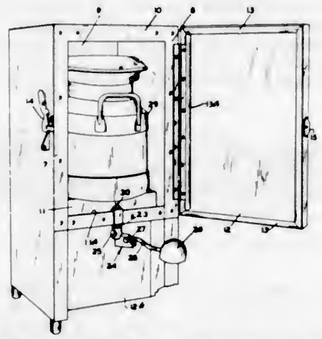
of about 3% and about 10% and drying said emulsion to remove water therefrom, whereby said butadiene styrene copolymer will dissolve in said polyvinylidene chloride until at least about 3% but not more than about 10% thereof has been taken up by said polyvinylidene chloride and a firm bond obtained without excessive softening of said polyvinylidene chloride.

2,601,319

LIQUID DISPENSING CABINET

Lannie F. Norris, Minneapolis, and David J. W. Timmersman, Eden Prairie, Minn., assignors, by direct and mesne assignments, to Norris Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota

Application December 8, 1950, Serial No. 199,762
8 Claims. (Cl. 222—184)



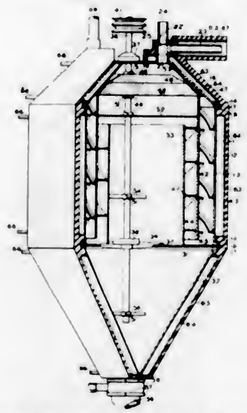
5. An insulated cabinet particularly designed for dispensing liquids from a relatively large container, said cabinet comprising an insulated upstanding casing with an insulated top and bottom forming a compartment therein, and having a hinged closure door panel at the front thereof, said insulated bottom being provided with means for supporting the base flange of a bulk container, a valve mounting portion formed in the front marginal edge of said casing bottom, a valve mounting member secured in said valve mounting portion, said valve mounting portion and said valve mounting member being constructed to provide a substantial space below the base flange of a bulk container to facilitate insertion of a flexible tube through the valve mounting member and a valve attached thereto, and a shiftable front cover section mounted on said valve mounting member for closing at least a portion of said front opening and forming a sealing surface against which said hinged closure door will sealingly engage when in closed position, said cover section being adapted when closed to snugly embrace an intermediate portion of the dispensing tube.

2,601,320

MIXING APPARATUS

Marion E. Price, Denver, Colo., assignor to Pipeline Protection Company, Denver, Colo., a corporation of Colorado

Application October 13, 1948, Serial No. 54,251
8 Claims. (Cl. 259—8)



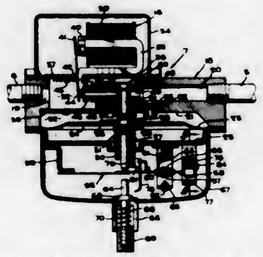
1. Materials mixing apparatus comprising an enclosure, a plurality of cylindrical members within said enclosure at least partially dividing the area therein into vertically disposed passages, helix members on at least one of said cylindrical members disposed outwardly from the surface of a supporting cylindrical member toward the surface of an adjacent cylindrical member, means for introducing materials that are to be mixed into said enclosure to course through said passages in predetermined directions, the helices in downwardly directed passages being of a width to provide adequate clearance for intermixing gravitational movement of the introduced materials downwardly past the free edge of said helices, and means for causing relative motion between at least two of said cylindrical members to increase the intermixing action in the downwardly directed passages.

2,601,321

GAS BURNER SYSTEM UTILIZING SAFETY PUSH BUTTON

William A. Ray, North Hollywood, Calif., assignor to General Controls Co., a corporation of California

Application July 12, 1948, Serial No. 38,342
11 Claims. (Cl. 158—131)



1. In a gas burner control system: a main burner; a pilot burner; an igniter for the pilot burner; a valve for controlling the passage of fuel to the main burner; means responsive to the existence of a flame at the pilot burner for conditioning said valve so that said valve may be opened; means, including a movable member, for energizing the igniter; a releasable lock for holding the member against operation; and means for maintaining the lock in locking position while the pilot flame is in existence.

2,601,322

PROCESS OF PREPARING OLEFIN DICHLORIDES IN THE PRESENCE OF AN INHIBITOR FOR SUBSTITUTION REACTIONS

Robert Repp Reese, Port Arthur, Tex., assignor to Jefferson Chemical Company, Inc., New York, N. Y., a corporation of Delaware

Application July 3, 1948, Serial No. 38,918
13 Claims. (Cl. 260—660)

1. The process of preparing an olefin dichloride, which comprises reacting an olefin and chlorine in a liquid body of said olefin dichloride and in the presence of relatively small pieces of iron oxide immersed in said liquid body of olefin dichloride as an inhibitor for substitution reactions.

2,601,323

PROCESS FOR PREPARING 4,4-DIPHENYL-6-DIMETHYLAMINO-HEPTANONE-3

William Bradley Reid, Jr., and Alexander William Schneider, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application February 2, 1949, Serial No. 74,232
7 Claims. (Cl. 260—570)

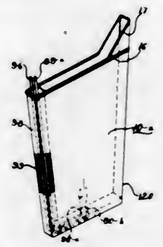
1. In a process for the preparation of a compound selected from the group consisting of 4,4-diphenyl-6-dimethylaminoheptanone-3 and acid addition salts thereof by the hydrolysis of a 2-dimethylaminopropyl-diphenylacetonitrile - ethyl-magnesium-halide complex, wherein the halogen is selected from the group consisting of chlorine, bromine, and iodine, the improvement which comprises: adding an aqueous mineral acid to the 2-dimethylaminopropyl-diphenylacetonitrile - ethyl - magnesium - halide complex without cooling said complex during the said addition.

2,601,324

APPARATUS FOR MAKING CLEAR ICE BLOCKS

Walter G. Ribeiro, Camden, N. J.

Application July 15, 1948, Serial No. 38,823
7 Claims. (Cl. 62—159)



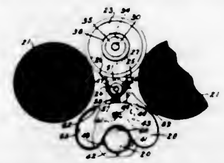
1. Apparatus for making clear ice blocks which comprises an ice can for retaining water to be frozen, a tube for supplying air under pressure to said ice can for agitating the water therein during freezing, another tube for supplying water to said can, said tubes being positioned along the external walls of said can, said tubes being insulated in the region extending along the walls of said ice can to prevent any moisture therein from freezing and clogging the supply stream therethrough, and an outer protective casing surrounding said insulated tubes.

2,601,325

MEANS FOR SEGREGATING ADJOINING PRINTED IMPRESSIONS

Raymond R. Richter, Milwaukee, Wis.

Application May 3, 1947, Serial No. 745,837
10 Claims. (Cl. 101—204)



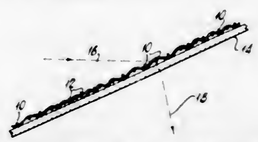
1. In an impression segregating unit for printing presses having ink transfer rollers for inking the impression forms, a roll cooperable with selected ink conveying portions of at least one of the ink transfer rollers to remove excess ink from said portions, a mounting bracket for said roll having a shaft upon which the roll is rotatably journalled, an ink scraper carried by said bracket and being cooperable with the periphery of said roll, toggle mechanism carried by said bracket and being operable by frictional engagement with one end of said roll to swing said scraper toward and away from the roll periphery, means for resiliently urging said roll toward said mechanism, and an anti-friction bearing between said means and the opposite end of said roll.

2,601,326

FABRIC COVER

Joseph F. Rohs, Riverside, Conn., and Oliver Wesley Davidson, New Brunswick, N. J., assignors, by mesne assignments, to Chicopee Manufacturing Corporation, Chicopee Falls, Mass., a corporation of Massachusetts

Application July 19, 1949, Serial No. 105,588
6 Claims. (Cl. 47—26)



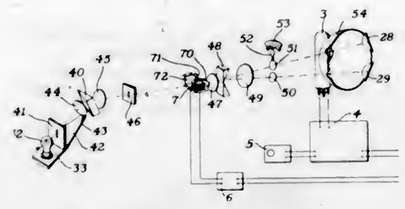
1. A roof comprising in combination a transparent supporting surface inclined to the horizontal and a cover on the supporting surface for controlling the amount of sunlight passing through the supporting surface, the cover having alternate opaque and light-transmitting stripes, the light-transmitting stripes comprising horizontal thin reflecting elements, the reflecting elements being widely spaced with respect to their thickness in the plane of the cover to permit direct transmission between the elements and through the supporting surface of sunlight falling on the cover at high angles of incidence, and the reflecting elements having opaque highly reflecting surfaces so placed as to reflect through the supporting surfaces sunlight falling on the cover at low angles of incidence.

2,601,327

PHOTOMETRIC APPARATUS

Harry E. Rose, Buchanan, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application January 10, 1950, Serial No. 137,856
2 Claims. (Cl. 250—214)



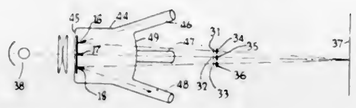
1. In a photometric apparatus comprising means for generating two adjacent light beams, one of the said beams being directed at a standard and the other at a sample, means for attenuating one of the said beams, a phototube arranged to receive combined light from the standard and the sample, means for determining the phase and amplitude of signals generated in the said phototube, a reed and adapted to vibrate at constant frequency and substantially constant amplitude, and a vane, mounted on the reed, obstructing substantially equal alternate portions of the said light beams when the reed is vibrating, the improvement of inserting between the phototube and the means for determining the phase and amplitude of signals generated in the said phototube a circuit for amplifying signals having the frequency of the vibrating reed, comprising a two-stage, cathode coupled amplifier and a feed-back network consisting of an asymmetric parallel-T filter connecting the low impedance amplifier output source to a high terminal impedance amplifier input point independent of the signal input point.

2,601,328

COLOR TELEVISION

Adolph H. Rosenthal, New York, N. Y., assignor, by mesne assignments, to Skiatron Electronics and Television Corporation, a corporation of New York

Application September 20, 1947, Serial No. 775,175
20 Claims. (Cl. 178—5.4)



1. In an additive color television system for producing color images, tube means having at least two target screens of alkali halide material, means for changing the transparency of each target screen according to partial color signals received, a viewing screen, means for passing beams of white light through said target screens and combining them upon an area of the viewing screen, the target screens being so positioned that each beam passes through only one such screen, and color filters in said beams of light corresponding to the partial colors represented by the signals.

2,601,329

DETERGENT COMPOSITION

Herbert L. Sanders, Phillipsburg, N. J., and William J. Maxcy, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 31, 1948, Serial No. 68,724
3 Claims. (Cl. 252—152)

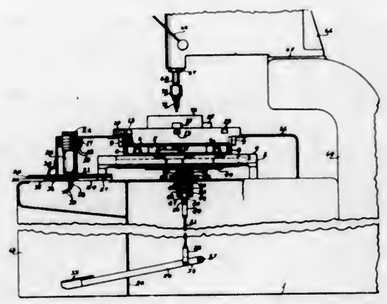
1. A color stabilized detergent composition, consisting essentially of a mixture of 99 to 50 percent by weight of solid alkali metal hydroxide selected from the group consisting of sodium hydroxide and potassium hydroxide and 1 to 50 percent of a mixture consisting essentially of about 90% of a water soluble, non-ionic, surface active agent having a polyglycol ether radical and about 10 percent of thiourea.

2,601,330

LAYOUT DEVICE

William D. Schmidt, Worcester, Mass., assignor, by mesne assignments, to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts

Application April 25, 1946, Serial No. 664,737
8 Claims. (Cl. 33—189)



1. In a device of the class described, a base, a pair of superposed carriages mounted on said base, and movable in transverse directions, a removable plotting chart mounted on said base, means on the top carriage for magnifying a portion of said plotting chart, means to illuminate the portion of the plotting chart to be magnified, means for moving said top carriage and magnifying means whereby any portion of the chart may be viewed and means normally locking the carriages in viewing position.

2,601,331

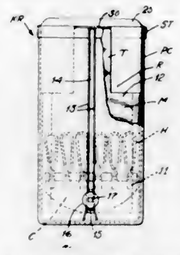
KEY RETAINER

Hyman R. Segal, New York, N. Y.

Application August 26, 1949, Serial No. 112,562
5 Claims. (Cl. 150—40)

1. In a key retainer, a carriage having means swingably sustaining hooks for holding keys, a mount supporting said carriage and having a guide slot, spaced flanges at spaced sides of said slot and extending from said mount, a manipulator outside of said carriage above said slot and flanges, means bodily movable with and interconnecting said manipulator and carriage and slidably guided in said slot, sockets integral with and at the sides of said mount for slidably receiving said carriage, and a pouch closely surrounding and secured to said mount and in part

below said flanges and having at one end thereof a gap to permit projection or retraction of



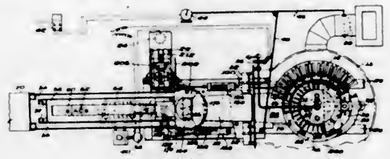
said keys out of or into said pouch on actuation of said manipulator.

2,601,332

ASH REMOVER FOR STOKERS

Chester E. Shaffer, Arlington, N. J., assignor to Koppers Company, Inc., a corporation of Delaware

Original application September 4, 1947, Serial No. 772,049. Divided and this application May 2, 1950, Serial No. 159,585
6 Claims. (Cl. 110—165)



1. An ash removal apparatus for a stoker-fired furnace, comprising: a furnace, a grate mounted in the furnace, an ashpit in the furnace below the grate, an ash elevator positioned a substantial distance from the furnace, an ash receiver at the bottom of the elevator, an ash conveyor extending between the ashpit and the ash receiver at the bottom of the elevator, said ash conveyor comprising reciprocable flat bars mounted adjacent the ash pit in position to receive ash discharged from the grate and a rotatable plate having ash moving means thereon and mounted for oscillation near the ash receiver, said flat bars being connected with said rotatably mounted plate to push ash advanced by the bars over the rotatable plate to the ash moving means thereon for discharge thereby to the ash receiver of the ash elevator.

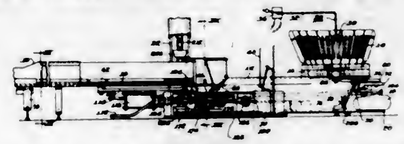
2,601,333

COKE STOKER WITH OSCILLATABLE CLINKER BREAKER

Chester E. Shaffer, Arlington, N. J., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application September 4, 1947, Serial No. 772,049
3 Claims. (Cl. 110—45)

1. A stoker for supplying fuel to and removing ash from a heating furnace comprising: an annular upstanding foraminous grate arranged for passage of ash therethrough and adapted to fit within the firebox of a furnace in a stationary position, a fuel feed tube with a discharge portion mounted at the central portion of and below the grate to deliver fuel up through the grate centrally thereof from below the grate, a fuel conveyor pusher within the fuel feed tube to feed fuel through the feed tube for delivery to the grate, an annular clinker breaker mounted for oscillation below the grate and extending inside the lower peripheral portion of the grate in position to engage clinker in the bottom of a fuel



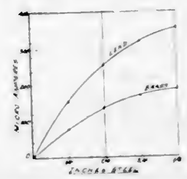
bed in the grate, means for operating the fuel conveyor pusher, an oscillatable driving member connected with the clinker breaker, and means to oscillate the driving member to impart an oscillating motion thereto to oscillate the annular clinker breaker.

2,601,334

PROCESS FOR DETECTING GAMMA RAYS

Arnold J. F. Siegert, Evanston, Ill., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Original application June 22, 1945, Serial No. 600,865. Divided and this application March 5, 1949, Serial No. 79,773
5 Claims. (Cl. 250—83.6)



1. In a process involving detection of gamma rays in a detector having an anode and a cathode with an ionizable medium disposed between them, the improvement which comprises introducing at least some of the gamma rays having an energy above a level of about 0.5 megavolts into a second medium in which at least some of the introduced gamma rays are partially deenergized below said energy level, introducing at least some of the gamma rays thus deenergized and some of the gamma rays having an energy above the 0.5 megavolt level into the detector, and providing the cathode thereof with a metal of a high atomic number which imparts to the detector as compared with one provided with a metal cathode of low atomic number an increase in detection efficiency which is proportionally greater for gamma rays below about the 0.5 megavolt level than for gamma rays above said level, whereby the detection of the gamma rays below about the 0.5 megavolt level is emphasized while the detection of the gamma rays above the level is deemphasized.

2,601,335

DEXTRINIZATION OF SORGHUM FLOUR

Richard L. Slotter, Minneapolis, Minn., assignor to Archer-Daniels-Midland Company, Minneapolis, Minn., a corporation of Delaware

No Drawing. Application December 4, 1950, Serial No. 199,155
4 Claims. (Cl. 127—38)

1. A method of producing a modifier for gypsum board plaster which comprises treating grain sorghum flour with ¼% to 1½% by weight, dry

basis, of acid, said acid being dissolved in sufficient water so that the flour when treated with acid solution contains 10% to 25% of water, passing the mixture as a continuous flow through a hammer mill and then through a ventilated chamber which is heated sufficiently to elevate the temperature of the mixture to 215° F. to 300° F. for a period of ten to forty minutes so as partially to dextrinize said flour, said flour being simultaneously dried in said ventilated chamber to a moisture content of 3% to 12%.

2,601,336

PROCESS OF ADHERING SILICONE RUBBER TO COPPER

Robert Smith-Johannsen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 17, 1949, Serial No. 77,044
4 Claims. (Cl. 154—130)



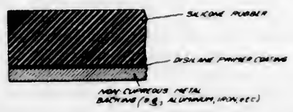
1. The process of adhering silicone rubber to a copper surface which comprises (1) treating the surface of the copper with a mixture comprising chromium trioxide and phosphoric acid, and (2) applying to the said treated copper surface an adherent layer of a solid, elastic, curable organopolysiloxane containing a filler.

2,601,337

METHOD FOR IMPROVING THE ADHESION OF ORGANOPOLYSILOXANES TO SOLID SURFACES

Robert Smith-Johannsen, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 17, 1949, Serial No. 77,045
25 Claims. (Cl. 154—139)



1. The process for improving the adhesion to a solid surface, other than a cupreous surface, of an organopolysiloxane selected from the class consisting of (1) solid, elastic, curable organopolysiloxanes and (2) resinous organopolysiloxanes, which process comprises treating the said surface with a composition comprising a disilane corresponding to the general formula $(R)_nSi_2(X)_{6-n}$ where R is a monovalent hydrocarbon radical, X is a halogen, and n is an integer equal to from 1 to 4, prior to applying the organopolysiloxane to the surface, and thereafter applying the aforesaid organopolysiloxane to the treated surface.

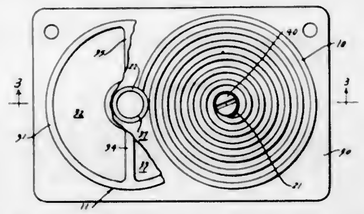
2,601,338

VARIABLE PARALLEL RESONANT CIRCUIT

Christopher L. Snyder, North Plainfield, N. J., assignor to Steatite Research Corporation, Keasbey, N. J., a corporation of Delaware

Application October 31, 1947, Serial No. 783,238
5 Claims. (Cl. 250—40)

1. A condenser-inductance unit for providing a variable parallel resonant circuit comprising an insulating base, an extended linear layer of conducting material on a top surface of said base, said extended linear layer being curved upon itself a number of times so as to provide at least two concentric, non-intersecting linear portions adjacent each other to form an inductive impedance, a disk-like means rotatably mounted upon said insulating base on a substantially perpendicular axis with respect to the top surface of said base and adjacent a peripheral portion of said concentric portions of said linear conducting layer, whereby a portion of said disk-like means always overlays a part of said concentric non-intersecting linear portions, said disk-like means



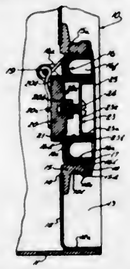
being formed of insulating material having a high dielectric constant, a layer of electrically conducting material on one sector of the side of the disk which is spaced from the conductive linear coating of said insulating base, conducting means electrically connecting the two layers of conducting material, the layer of conducting material on said rotatable disk being adapted to overlap different parts of the concentric portions of the linear conducting layer on said insulating base on rotation of said disk whereby the inductance of the inductive impedance as well as the capacitance between the two conducting layers is changed when said disk is rotated.

2,601,339

DRUM CAP AND SPIGOT VALVE ASSEMBLY

Jacob Rush Snyder, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application March 1, 1948, Serial No. 12,402
9 Claims. (Cl. 137—69)



1. A cap and spigot assembly for a container having a depressed end head carrying a bung bushing which comprises a ring adapted to be sealingly seated in said bung bushing, a valve pivotally mounted on the inner face of said ring, a spring urging said valve against said end face of the ring to close the passage through the ring, a cap member spanning the outer portion of said passage through the ring, a screw carried by said cap acting on said valve to draw the valve toward the cap for locking the valve on the ring, and a

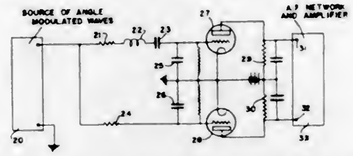
sealing cap for the entire assembly locked on the bung bushing, said entire assembly terminating within the recess afforded by the depressed end head.

2,601,340

FREQUENCY DISCRIMINATOR

Edward J. Stachura, Arlington, Va.

Application May 9, 1949, Serial No. 92,220
8 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



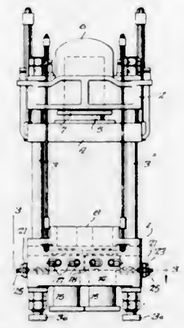
1. A frequency responsive network for operation over a wide range of frequency deviations comprising a source of variable frequency signals, said signals having a reference frequency about which the frequency varies, a bridge network having four arms and two pairs of diagonally opposite terminals, and means responsive to difference of potential; one arm of said bridge including a resonant circuit comprising a inductance and capacitance in series connection tuned to series resonance at said reference frequency, said source of variable frequency signals being applied to one pair of said diagonally opposite terminals, and said means responsive connected to said other pair of diagonally opposite terminals, whereby at said reference frequency the bridge is balanced, and at the other frequencies the bridge is unbalanced producing a potential difference across said means responsive.

2,601,341

TRANSFER MOLDING PRESS

Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application February 10, 1950, Serial No. 143,380
9 Claims. (Cl. 18—30)



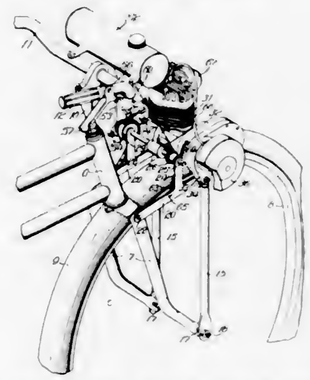
3. A transfer molding press comprising a frame having a base with a generally flat face for mounting a transfer mold section, a platen movable in said frame toward and from said flat face and formed for mounting a complementary mold section to be closed upon said transfer section when advanced and open when retracted, a hydraulic ram mounted in said base for limited movement therein horizontally in all directions, a transfer piston extending outwardly from said face toward said platen and operated in directions toward and from said platen by said ram, means carried by said frame for advancing and retracting said platen, and elements adjustable relatively to said base and engaging said ram to hold it in any of its positions into which it may be adjusted.

2,601,342

MOUNTING FOR INTERNAL-COMBUSTION ENGINES

Albert Starts, Fort Lauderdale, Fla., assignor, by mesne assignments, to Camfield Manufacturing Company, Grand Haven, Mich., a corporation of Michigan

Application April 19, 1949, Serial No. 88,349
13 Claims. (Cl. 180—33)



10. The combination with a bicycle having a tired wheel supporting a frame and an internal combustion engine equipped with a valve-controlled carburetor and with a friction wheel supported for movement therewith for engagement with the tired wheel to effect propulsion of the bicycle, of a mounting on the bicycle frame, said engine mounted on said mounting and movable between two positions in one only of which the friction wheel is advanced into driving engagement with the tired wheel to effect propulsion of the bicycle, and a motion-transmitting control device carried by the mounting and including a manually actuated element in operative connection with the carburetor valve and having first means to actuate the engine on its mounting to the position where there is driving engagement between its friction wheel and the bicycle wheel tire and having additional means maintaining the friction wheel in constant uniform pressure contact with the bicycle wheel tire when said additional means is in its actuated position.

2,601,343

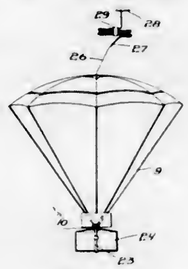
PAPER PARACHUTE

Leif Gunnar Levin Thilén, Nissafors, Sweden

Application January 11, 1949, Serial No. 70,234
In Sweden September 30, 1948
3 Claims. (Cl. 244—145)

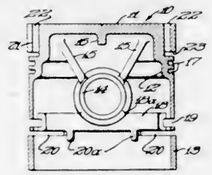
1. A parachute constructed of paper and adapted for stowage in a container, said parachute being in the shape of a canopy consisting of a plurality of substantially trapezoidal sheets, the small ends of which are directed towards the center of said canopy, said canopy having a cen-

tral aperture therein, adjacent radially extending edges of said sheets being interconnected by adhesive and overlapping one another, strengthening wires extending along said radially joined edges, each of said wires extending on the outside of each said joint and longitudinally thereof, a strengthening strip bonded to and covering the outside of each said joint, said wires being extended beyond said canopy and constituting shroud lines, said wires being interconnected at the center of the parachute, said sheets each



having a slot constituting an air vent in substantially parallel relation to, and spaced from the outer edge of the parachute, edge reinforcing means at the peripheral edge of the parachute, said edge reinforcing means comprising folded edge portions of said sheet members, said edges being folded towards the interior of the parachute, the folded-in portions of said sheet members being adhesively bonded to said sheet members.

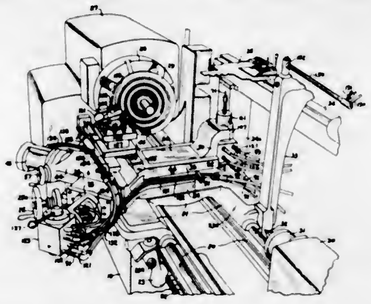
2,601,344
PISTON
Arthur Townhill, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 10, 1949, Serial No. 115,091
12 Claims. (Cl. 309—10)



4. A piston comprising a body having a head, a depending ring flange, and pin bosses on the ring flange, the improvement of skirts of larger diameter than the ring flange at both ends of the ring flange and connected to the ring flange on the pin boss sides only of the piston.

2,601,345
TRACER-GUIDED REPRODUCING MACHINE
Manuel Turchan, Dearborn, Mich.
Application December 27, 1948, Serial No. 67,469
9 Claims. (Cl. 82—14)

1. In a reproducing machine adapted for reproducing on a work piece the form and shape of a pattern and embodying a tracer for traveling over the pattern and a cutter for operating upon the work piece, a supporting body; a carriage slidably mounted on said body; a power-operated mechanism for moving said carriage longitudinally of said body; a cross-slide on said carriage movable transversely thereof; a second slide mounted on said cross-slide and movable relatively thereto diagonally to the direction of movement of said carriage and said cross-slide, and movable in unison with said cross-slide upon transverse movement of said cross-slide relatively to said carriage; a third slide mounted on said second slide and movable relatively thereto diagonally to the direction of movement of said car-



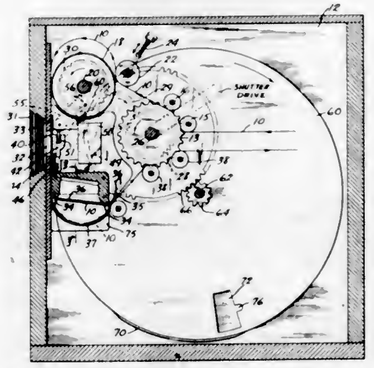
riage in an opposed direction to the direction of movement of said second slide, said third slide being movable in unison with said second slide upon movement of said second slide relatively to said cross-slide; and a tracer mechanism mounted on said third slide and movable in unison therewith for traveling over the surface of a pattern with which contacted upon movement of said slides in predetermined directions.

2,601,346
POLARIZATION CORRECTOR
Georges Valensi, Paris, France
Application September 17, 1945, Serial No. 616,829
In France September 16, 1944
6 Claims. (Cl. 343—100)



1. A corrector of polarization for use in telecommunication systems in which signals are transmitted by electromagnetic waves and at least a portion of these waves are reflected, thereby causing a shift in polarization of the reflected wave with respect to that of the non-reflected wave, comprising a plurality of artificial molecules, each molecule being small compared with the wave length of said electromagnetic waves and including granules of dielectric materials of different physical characteristics located with respect to one another so that the artificial molecule is asymmetrical, said granules being located at the vertex or angles of tetrahedrons and connected together by thin strings of a dielectric material of very low dielectric losses at high frequencies, said artificial molecules being placed at random within a holder of dielectric material of very low dielectric losses at high frequencies, whereby the structure formed by said artificial molecules, for the electromagnetic waves transmitted through it in any direction, acts like an active liquid, the rotatory power of which is bound with the asymmetric structure of the molecule.

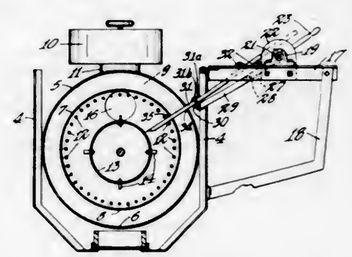
2,601,347
MOTION-PICTURE APPARATUS WITH PNEUMATIC PULLDOWN FOR FILM
Fred Waller, Huntington, N. Y., assignor to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York
Application June 24, 1949, Serial No. 100,985
18 Claims. (Cl. 88—18)



1. Apparatus for moving a film in a motion picture camera, projector or printer, said apparatus comprising a continuously operating feed device that accumulates a loop of film ahead of a film gate, an air chest having a port across which the film passes beyond the gate, valve means that open intermittently to supply air to the air chest for discharge from the port and against the film to pull the film and eliminate the loop ahead of the gate while accumulating a corresponding loop at a region beyond the gate, a retarder that slows down the movement of the film during the latter part, and only during the latter part, of the movement of the film by the air at each successive operation of the valve means, a registration pin that is of less height than a sprocket opening when fully inserted into the sprocket opening, mechanism that moves the registration pin into and out of the sprocket openings at a location adjacent to the film gate, control means that operate the pin-moving mechanism in one direction after the operation of said retarder and while the air is supplied to the air chest and in the other direction after operation of the valve means to cut off the air supply to the air chest, and driving means for operating the valve means and said mechanism at a controlled speed.

2,601,348
HUSK CLEARING DEVICE FOR CORN SHELLERS
Clarence Martin Weinhold, Cottonwood, Minn.
Application March 24, 1947, Serial No. 736,710
4 Claims. (Cl. 130—6)

1. In a corn sheller having a stationary cylindrical casing, a stationary cage formed of circumferentially closely spaced horizontal bars constituting stationary abutment elements and disposed within said casing and an inner rotary cylinder with teeth extending outwardly from its cylindrical surface and centrally located within said cage, and means for clearing corn husks from said cylinder, said means including a cross member disposed outwardly from said cage and casing, a plurality of clearing fingers adjustably mounted on said cross member for longitudinal sliding movement with the cross member and projecting through said casing and between said bars of said cage in sliding closely spaced stripping relation therewith to points adjacent said cylinder in staggered relation to said teeth, guiding means outside the casing spaced outwardly from said cross member and engaged by the fingers for guiding said clearing fingers during such movement, a support structure located outside



said casing and adjacent thereto, a lever pivoted to said support structure, and linkage between said lever and said cross member causing retraction of said fingers outwardly relative to said bars to a position outside thereof when said lever is pivoted in one direction to positively clear the corn husks which may have accumulated thereupon from said fingers.

2,601,349
METHOD OF AND APPARATUS FOR MAKING COVERED WOOD PRODUCTS
Arthur R. Welch, Hoquiam, Wash.
Application August 9, 1944, Serial No. 548,774
15 Claims. (Cl. 154—132)



1. The method of making coated plywood panels which comprises conveying in a line, a succession of metal plates with their ends contiguous but spaced apart, continuously depositing upon the upper surfaces of the plates a layer of a mixture of synthetic resin and wood particles of uniform thickness, depositing upon the surface of the layer a succession of un-consolidated veneer plies with the grain parallel to the line and with their ends contiguous, laying upon the upper surface of said plies, a succession of edge-abutted core plies having both faces glue-coated, having the grain transverse to the direction of movement of the line and arranged to overlap the contiguous ends of the first mentioned veneer plies by a substantial amount, continuously depositing upon the upper surface of the core plies, a succession of veneer plies with the grain running parallel to the line and with their margins in substantial registry with the margins of the first-mentioned plies and the metal plates, severing the core plies on lines between the ends of the metal plates, and subjecting the assemblies so produced to heat and pressure to consolidate the veener plies into plywood, to compact the mixture and bond the same to the adjacent ply and to convert the resin, and stripping the metal plates from the adjacent layer.

2,601,350
HYDROLYSIS OF BETA LACTAM LINKAGE BY PENICILLINASE
Henry Welch, Silver Spring, Md., assignor to the United States of America
No Drawing. Application September 20, 1949, Serial No. 116,849
1 Claim. (Cl. 195—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a process involving the quantitative destruction of the beta-lactam linkage of the penicillin nucleus in a delicate vehicle containing penicillin, and selected from the group consisting of blood and bacterial media without substantial injury to said vehicle, the improvement which comprises introducing into such vehicle a solution of filtrable, sterile penicillinase enzyme produced during the growth of the fungus *Actinomyces candidus*.

2,601,351
JOINING SLEEVE
John L. Wilburn, Texarkana, Tex.
Application June 11, 1948, Serial No. 32,378
1 Claim. (Cl. 287—108)



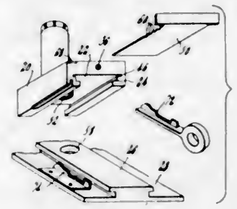
A sleeve for joining the ends of rods comprising a tubular member having a pair of slots therein, said slots commencing in a medial position of said tubular member and extending from their points of origin through opposite ends of said tubular member in spiral curves and rod members fitting in the opposite ends of said sleeve, the outer ends of said spiral curve slots terminating in inwardly bent tabs tending to grip the ends of said rod members.

2,601,352
SILICA SOLS AND METHOD OF MAKING SAME
Frederick J. Wolter, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 16, 1950, Serial No. 138,933
15 Claims. (Cl. 252—313)

1. A solid, water-dispersible composition comprising silica made up of dense, ultimate particles 15 to 130 millimicrons in diameter intimately mixed with an organic nitrogen base in which each organic substituent on the nitrogen atom contains no carbon atom farther removed from the nitrogen than 5 consecutive carbon atoms and the total number of carbon atoms attached to the nitrogen exclusively through carbon is not more than 4 times the number of substituent groups.

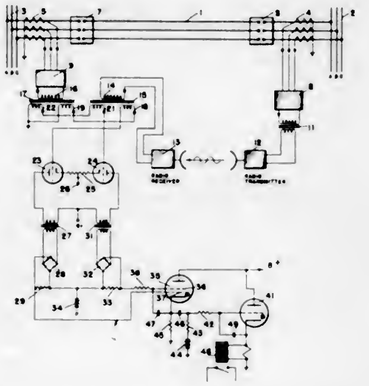
2,601,353
CLOSURE AND SUPPORT FOR BOTTLES, WITH LOCKING MEANS
Robert W. Woodward, Rockland, Mass.
Application September 27, 1947, Serial No. 776,577
12 Claims. (Cl. 222—153)

1. A device of the class described comprising a member having a hole therethrough to provide a passage for the discharge of liquid from a bottle, means operable by access through said passage to secure said device to a bottle so that said hole communicates with the interior of the bottle, an element slidably mounted on said member to open and close said passage, and key-



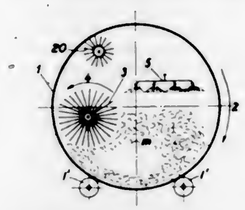
controlled means in said member and element automatically locking said element in passage-closing position when the key is withdrawn, said means being operable by a key to release said element.

2,601,354
ELECTRONIC DIFFERENTIAL RELAY SYSTEM
Donald L. Wylie, Portland, Oreg.
Application June 9, 1950, Serial No. 167,240
2 Claims. (Cl. 175—294)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



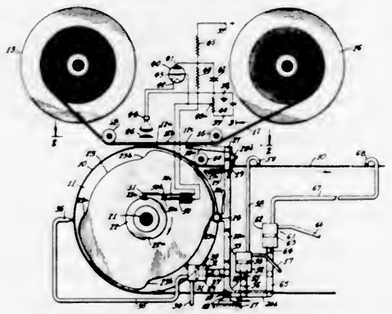
1. In a protective relay system for a polyphase electric power transmission line, the combination with means for deriving at each end of said transmission line a single phase current responsive to phase conditions at said end, of means for deriving voltages respectively proportional to the sum of and to the difference between said single phase currents, triodes respectively controlled by said sum derived and difference derived voltages, means for adjusting the ratio between the outputs of said triodes, a tetrode, means for segregating and rectifying the output of the triode controlled by the sum derived voltage and for applying said rectified component to negatively bias one grid of and hence restrain firing of the tetrode, means for segregating and rectifying the output of the triode controlled by the difference derived voltage and for applying the so rectified component to positively bias another grid of and hence promote firing of the tetrode, and relay means controlled by said tetrode.

2,601,355
APPARATUS FOR IMPREGNATING POURABLE MATERIAL SUCH AS CHIPS, SHAVINGS, AND FIBROUS MATERIAL
Oswald Fidel Wyss, Zurich, Switzerland, and Hans Peter, Strasbourg, France; said Peter assignor to said Wyss
Application October 10, 1950, Serial No. 189,311
In Switzerland April 30, 1948
3 Claims. (Cl. 118—56)



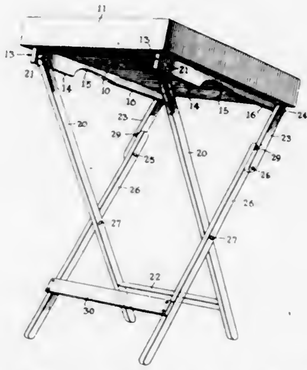
1. Apparatus for impregnating pourable material such as chips, shavings or fibrous material, comprising a substantially horizontal drum for receiving the material to be impregnated, said drum having a revolvable cylinder wall and normally stationary axial end walls, a rotary rake device of smaller diameter and higher rotary speed than said drum, said rake being disposed within said drum adjacent to the upwardly moving portion of said cylinder wall and having a direction of rotation opposed to that of said drum for throwing the material upwardly toward the downwardly moving wall portion, and means for applying to the material a mist of impregnating agent, said means comprising spray nozzles and having an air supply conduit and a supply conduit for impregnating agent connected to said nozzles, said nozzles being disposed within said drum laterally above the axis of said rake device and having a spray zone covering the zone in which the material is thrown upwardly by said rake device.

2,601,356
APPARATUS FOR APPLYING DESIGNS TO SURFACES
Joseph J. Ackell, Bellaire, N. Y., assignor, by mesne assignments, to Dow Jones & Company, Inc., Wilmington, Del., a corporation of Delaware
Application November 7, 1946, Serial No. 708,411
6 Claims. (Cl. 95—75)



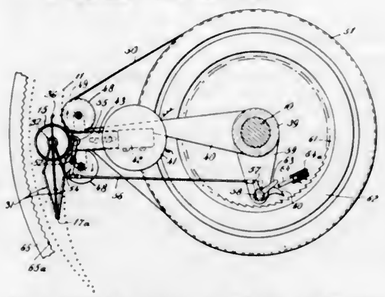
1. Apparatus for applying a series of addresses to spaced-apart address-receiving areas of a continuously and rapidly advancing paper web in the course of printing a publication on said web, said apparatus including roller means engaging said web, said roller means rotating in synchronism with the motion of said web, a cam driven by said roller means, a main actuating member having a follower portion engaging said cam, an electric lamp, a band having a plurality of segments, each of said segments being contrastingly opaque and transparent at various portions thereof so as to define an address, means including a guide for said band and a ratchet for interposing successive segments of said band between said lamp and said areas of said web to direct images of successive addresses onto successive said areas of said web at an exposure station, said ratchet being driven by said main actuating member, an intermittently-acting applicator opposed to said paper web at a station prior to said exposure station for applying light-sensitive material to said spaced areas of said web, said applicator being intermittently actuated by said main actuating member.

2,601,357
FOLDING CLASSIFICATION TABLE
Owen Sampson Allbritton, Clearwater, Fla.
Application September 4, 1947, Serial No. 772,137
1 Claim. (Cl. 211—132)



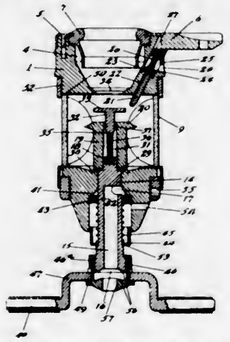
A folding table, comprising a top, a pair of substantially parallel supporting strips extending underneath the top, each provided with a recess along its lower edge for a portion of its length, a pair of long legs respectively pivoted at their upper ends to one side of said supporting strips at one end of said supporting strip, a pair of links pivoted at their respective upper ends to the other side of said supporting strips at the other end of said supporting strip, a pair of short legs respectively pivoted intermediate their ends to said long legs and also respectively pivoted near their upper ends to that side of said link which bears against its cooperating supporting strip, whereby each shorter leg is offset from its cooperating link and is in the same plane with its cooperating supporting strip, in both extended and folded positions, the upper part of each shorter leg being positionable in the said recessed portion of its associated supporting strip when in folded position, and in such position bears against the lower edge of its associated strip and abutment means carried by the connected ends of said shorter legs and said pivoted links, for holding the shorter legs and the pivoted links in alignment.

2,601,358
CIRCULAR LOOM
Victor Marie Joseph Ancet, Lyon, France
Original application December 27, 1948, Serial No. 67,341. Divided and this application May 3, 1950, Serial No. 166,041. In France April 25, 1944
8 Claims. (Cl. 139—13)



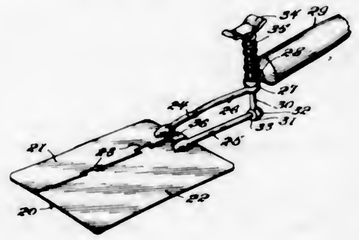
1. In a circular loom, in which warp threads are separated into spaced sheets to form a shed, the combination of a carrier movable in a path about the axis of the loom, a shuttle movable through the shed and made at least in part of magnetic material, the external shape of the shuttle being that of a surface of revolution, an electromagnet on the carrier acting on the shuttle to hold it against part of the carrier with one sheet of the shed therebetween whereby the shuttle rolls on the said sheet as the carrier moves along said path, a member carried by and extending ahead of the shuttle, the member being deflected from its normal path upon encountering an obstruction in the shed, and means extending adjacent the path of travel of the shuttle and engageable by the member when deflected thereby to arrest the shuttle and cause its disengagement from the carrier.

2,601,359
TAKEDOWN LIQUID MEASURING DISPENSER HAVING RESILIENTLY CONNECTED INLET AND OUTLET VALVES
Albert George Berwick, Streatham, London, England, assignor, by mesne assignments, to Gaskell & Chambers Limited, Birmingham, England, a corporation of Great Britain
Application July 2, 1946, Serial No. 681,024
5 Claims. (Cl. 222—446)



1. A device for delivering measured quantities of liquid, comprising a housing formed at its upper end to engage the mouth of an inverted bottle or other container and having at its lower end a removable base, the housing defining a measuring chamber, a valve operating member movably mounted in the base for axial movement in said chamber, an air inlet valve for admitting air to the chamber, an air inlet valve operating element on said member and engageable with said valve to open the valve, the housing having an inlet to the chamber for admitting liquid thereto from the upper end of the housing, a liquid valve mounted on said member and operable thereby to close said inlet, the liquid valve being movable relative to said member to permit continued movement of the member to a non-yielding position on the liquid valve after said inlet is closed, a releasable member for securing the base to the remainder of the housing in operative condition, said base having an axial aperture formed by a guide passage leading into a cylindrical bore of greater diameter than the passage by a connecting surface incorporating an axially presenting shoulder, a ring abutting said shoulder and forming a stop within the bore, said member slidably guided in said passage and extending through said bore transversely of said stop, said member mounting an axially elongated element slidably guided in the cylindrical bore in alignment axially with said stop and of such axial length as to abut said stop with axial movement of the member before said liquid valve attains a non-yielding position relative to said member so that pressure of operation of the valve operating member is taken by the base to protect the valve operating member and its associated parts from damage.

2,601,360
AUTOMATIC SPATULA
Roy S. Blackshear, Hilo, Territory of Hawaii
Application November 10, 1950, Serial No. 195,073
6 Claims. (Cl. 294—8)

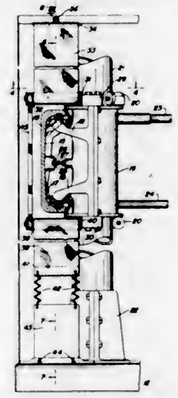


1. In a spatula, a blade including a stationary part and a movable part hingedly connected to said stationary part along one longitudinal edge thereof so that both of said parts will lie in side-by-side relationship in load-engaging position, a stem connected to said movable part, a rod connected to said stationary part, an arm arranged at right angles with respect to said stem and pivotally connected to said rod, and a handle secured to the rear end of said rod.

2,601,361
CLOSURE FOR FLUOROSCOPE MACHINE CASING
Hanson Blatz, Rochester, N. Y., assignor to Ritter Company, Rochester, N. Y., a corporation of Delaware
Application August 10, 1948, Serial No. 43,508
6 Claims. (Cl. 160—122)

1. In a fluoroscope machine, a casing having a wall thereof provided with a slot, a screen arm

projecting exteriorly through said slot, means in said casing supporting said arm for positioning movement longitudinally of said slot, a pair of rollers connected and movable with said arm, a pair of flexible curtains each having one end connected to said casing adjacent one end of said slot and the other end thereof wound on one of said rollers, in positions for closing the slot portions between said slot ends and said arm, respectively, and a flexible element connecting said rollers and having its ends wound



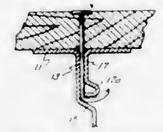
on said rollers in a direction opposite the direction in which the corresponding curtain is wound for rotating one of said rollers and winding up the associated curtain as said arm is moved in each direction longitudinally of said slot, for adjusting said curtains to the lengths of said slot portions as said arm is adjusted to different positions at different distances from said slot ends, the diameter of the portion of each roller upon which the flexible element is wound being at least as great as the diameter of the portion upon which the curtain is wound.

2,601,362
ADJUSTABLE MEMBER FOR HEAD PROTECTIVE EQUIPMENT
Charles Evans Bowers, Moylan, Pa., assignor to The Fibre Metal Products Company, Chester, Pa., a corporation of Pennsylvania
Application June 10, 1949, Serial No. 98,328
2 Claims. (Cl. 2—8)



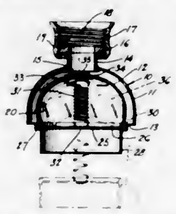
1. In a headgear for protective equipment, an element, the effective extent of which is to be varied and which element comprises two strips in alignment with their ends adjustably spaced apart, and mechanism for varying the distance between said spaced ends, said mechanism comprising a flattened-out casing having inner and outer walls curved to conform to the shape of a wearer's head, said outer wall being formed with an elongated central slot, means for anchoring said casing to one of said strips with the end of the latter received in the casing, said casing slidably receiving the other of said strips, an outwardly extending projection on said last-mentioned strip adjacent to the end thereof, and a leaf spring having one end anchored to the strip to which said casing is secured and formed with a series of openings, any one of which is adapted to receive said projection, said spring being positioned in said slot through which it is adapted to move and having a free end positioned exteriorly of said casing with that portion of said spring adjacent said free end passing between the outer wall of said casing and the strip which is slidable therein.

2,601,363
NAIL BEAM
Brinkley B. Brown, Houston, Tex., assignor to Metallic Building Company, Houston, Tex., a partnership composed of Brinkley B. Brown and Charles R. McDaniel
Application November 29, 1946, Serial No. 712,964
1 Claim. (Cl. 189—34)



A structural member adapted to receive a driven fastening shaft including, a support element having a substantially flat surface formed with a lateral offset spaced from one longitudinal edge thereof and extending substantially parallel to said edge, a metallic strip secured to the element between the longitudinal edge and the offset in said element and spaced from the surface of the element throughout most of its length, the offset in the support element being in a direction outwardly of that surface of the element to which the strip is secured, one longitudinal edge portion of said strip being contiguous to the lateral offset, and said longitudinal edge portion of the strip being bent upon itself outwardly and then inwardly to form a longitudinal bead on said strip, the edge of said bead being directed inwardly in confronting spaced relationship to the surface of the element, the beaded portion of said strip coacting with the flat surface and lateral offset of the support element to resiliently engage and guide the end of a fastening shaft driven between the element and strip, and said lateral offset in the support element being generally hook-shaped in cross-section.

2,601,364
SMALL ARTICLE HOLDING AND SPRAYING DEVICE
John J. Byrnes, Newark, N. J.
Application October 13, 1948, Serial No. 54,268
4 Claims. (Cl. 134—151)



1. A portable, article holding and cleaning device for attachment to a hose or faucet comprising a body having spaced and connected inner and outer walls forming a liquid chamber between them, said inner wall being of substantially hemispherical shape to form an open re-

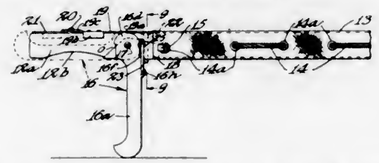
ceptacle to receive articles to be cleaned, means for admitting a liquid under pressure to said chamber, said inner wall being formed with spaced apertures to direct substantially radial streams of liquid against articles in said receptacle, means normally closing the open end of said receptacle to retain articles in the latter, said last mentioned means including a closure plate apertured for the escape of liquid from said receptacle, interengaged annular portions on said plate and said receptacle to center said plate with respect to the open end of said receptacle, and a coil spring for normally holding said plate in its closed position, said spring having one end anchored in said receptacle and its other end anchored to said plate, said spring permitting said plate to be pulled away from the receptacle to permit of the insertion and removal of articles.

2,601,365

COMBINATION STRETCHER AND COT

Charles C. Carpenter, Grand Forks, N. Dak.

Application December 29, 1945, Serial No. 638,043
9 Claims. (Cl. 5—82)



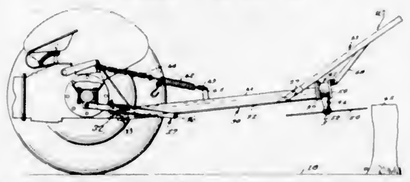
1. In stretcher construction, a pair of spaced longitudinal rails, a collapsible rectangular, body-supporting member having its longitudinal marginal portions connected with said rails, two pairs of transversely opposed, supporting legs pivotally mounted upon said rails for positioning in folded relation against said rails and for positioning substantially perpendicular to said rails to support the same, a pair of spreader toggles, each interconnecting a pair of said transversely opposed legs and pivotally connected therewith and disposed below said body-supporting member, the arms of said toggles adjacent their outer ends having portions recessed in the shape of and to accommodate and embrace the cross sectional shape of said rails when said pairs of legs are swung to perpendicular supporting position with said toggles outspread, the recesses clearing the rails when the supporting legs are positioned in folded relation to permit the folding of the toggles parallel to the rails.

2,601,366

CIRCULAR-SAW STUMP-CUTTING ATTACHMENT FOR TRACTORS

Reuben E. Chapman, Tillar, Ark.

Application June 9, 1950, Serial No. 167,133
2 Claims. (Cl. 143—43)



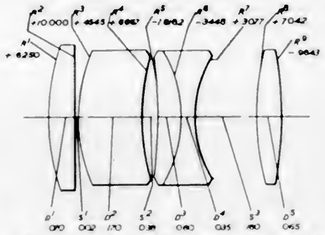
1. A cutting attachment for connection to a tractor including a frame, a power take off extending rearwardly of said frame, and a hydraulically actuated drawbar arranged longitudinally of and rearwardly of said frame and connected at one end to said frame for up and down movement with respect to a ground surface and having a crossbar at the other end thereof, said attachment comprising an upstanding hitch arranged longitudinally of and contiguous to said take off and fixedly secured to the adjacent portion of said frame, said hitch including a pair of spaced vertically disposed side walls, an end wall extending between said side walls adjacent one end thereof and fixedly secured thereto, and a base plate positioned between the said side walls inwardly of the other end of the latter named walls and spaced from said end walls and connected intermediate its ends to said side walls for pivotal movement in a vertical plane toward and away from said ground surface, a support arranged longitudinally of said drawbar and resting upon the crossbar of said drawbar and having one end connected to the base plate of said hitch for swinging movement about a vertical axis, a driven shaft positioned longitudinally of and upon said support and having one extending through the end wall of said hitch and connected to said power take off, a vertically disposed driven shaft arranged adjacent the other end of said first named driven shaft and having one end connected to said other end of said latter named shaft for rotation therewith, and a horizontally disposed cutter blade connected to said vertically disposed driven shaft for rotation therewith.

2,601,367

FOUR-COMPONENT OPTICAL OBJECTIVES

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain

Application April 24, 1950, Serial No. 157,663
In Great Britain May 26, 1949
16 Claims. (Cl. 88—57)



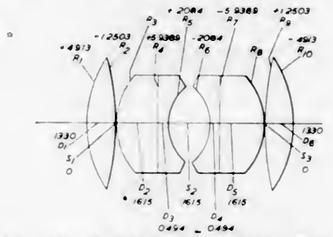
1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism and field curvature and comprising a simple convergent front component, a simple convergent second component, a third component which consists of a divergent doublet having a collective cemented contact surface concave to the front with radius of curvature between .3 and .4 times the equivalent focal length of the objective, the mean refractive index of the material of the front element of the third component exceeding that of the rear element thereof by between .04 and .10 and a simple convergent rear component made of material having Abbé V number between 40 and 55 and mean refractive index exceeding the arithmetic mean of the mean refractive indices of the materials of the front two components by at least .03, the axial thickness of the front component being less than ⅔ of that of the second component whilst the axial thickness of the doublet third component is less than ⅘ of that of the second component, the axial distance from the front surface of the front component to the rear surface of the doublet third component lying between one-half and three-quarters of the equivalent focal length of the objective.

2,601,368

FOUR-COMPONENT OBJECTIVES HAVING TWO DIVERGENT COMPOUND MENISCUS COMPONENTS POSITIONED BETWEEN TWO SIMPLE CONVERGENT COMPONENTS

Gordon H. Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain

Application November 24, 1950, Serial No. 197,318
In Great Britain December 14, 1949
7 Claims. (Cl. 88—57)



1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising two simple convergent outer components, the sum of the powers of the rear surface of the front convergent component and of the front surface of the rear convergent component being collective and lying between .4 and 1.0 times the equivalent power of the objective, two compound divergent inner components located between the two outer components and each comprising a convergent element and a divergent element made of a material whose mean refractive index exceeds that of the associated convergent element by between .05 and .15, and a diaphragm between the two inner components, the arithmetic mean between the curvatures of the internal contact surfaces in the two compound inner components lying between +.5 and —.5 times the equivalent power of the objectives (a curvature for this purpose being reckoned as positive when the surface is concave towards the diaphragm and as negative when the surface is convex towards the diaphragm), the four convergent elements of the objective all being made of materials having mean refractive index between 1.35 and 1.50 and Abbé V number between 70 and 110, whilst at least one of the air-exposed surfaces of the objective is aspherical and of such a shape that at any radial distance from the optical axis the thickness of the associated element is slightly greater than it would be with a true spherical surface having the same curvature as that at the vertex of the aspherical surface.

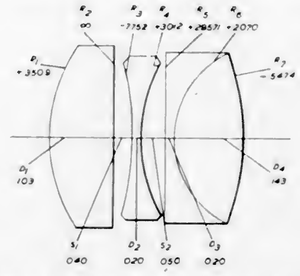
2,601,369

THREE-COMPONENT OPTICAL OBJECTIVES

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a British company

Application January 29, 1951, Serial No. 208,255
In Great Britain February 2, 1950
4 Claims. (Cl. 88—57)

1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising a convergent simple front component, a divergent simple middle component, and a convergent doublet rear component whose internal contact surface is collective and convex to the front with radius of curvature between .18 and .25 times the equivalent focal length of the objective, the mean refractive index of the material of the rear element of such doublet exceeding that of the front element thereof by between .03 and .06, whilst



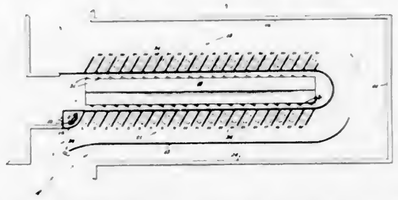
the materials of all four elements have mean refractive index greater than 1.6, the axial distance from the rear surface of the convergent front component to the internal contact surface in the rear component being less than half the overall axial length of the objective from the front surface of the front component to the rear surface of the rear component, such overall length lying between .34 and .47 times the equivalent focal length of the objective.

2,601,370

VEHICLE ASSIGNING, DETECTING, AND DISPATCHING SYSTEM

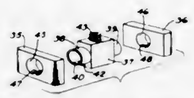
Benjamin Cooper, New York, and Stanley A. Kroll, Brooklyn, N. Y.; said Kroll assignor to said Cooper

Application July 21, 1950, Serial No. 175,134
25 Claims. (Cl. 177—311)



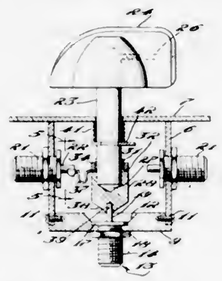
1. In combination, a plurality of berths, each adapted to receive an automotive vehicle which may be driven into any one of said berths, a lane communicating with all of said berths, an approach lane leading to the first lane, a berth assignment sign, including electric signal means in the approach lane and in advance of the first lane, and including visual indicator means corresponding to each one of said berths, means to selectively energize one of said indicator means to indicate to the driver of a vehicle into which berth he should drive the vehicle, an additional electric visual signal means in said sign and means to automatically energize said additional signal means a predetermined time after said indicator means has been energized, and to automatically de-energize said additional signal means whenever any one of said indicator signal means is energized.

2,601,371
OILLESS BEARING FOR TEXTILE AND OTHER MACHINES
Louis M. Cotchett, Whitman, Mass., and Robert Rulon-Miller, Bristol, R. I., assignors to Dixon Lubricating Saddle Company, Bristol, R. I., a corporation of Rhode Island
Application March 26, 1948, Serial No. 17,234
6 Claims. (Cl. 19—134)



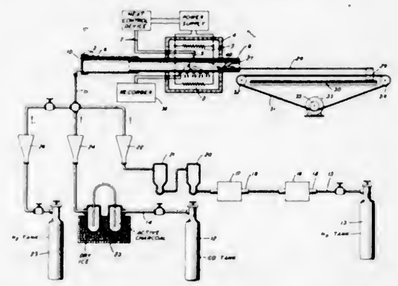
6. In a bearing unit for spinning and like machines having cap-bars with extension rods projecting therefrom, the combination of a central spacer-member of block-like form having means projecting from its opposite ends, said spacer-member provided with a bore for receiving the extension rod projecting from a cap-bar, a pair of separate bearing elements so constructed and arranged as to engage with said projecting-means at the ends of the spacer-member to support them thereon, and means for fixedly securing said bearing elements to said projecting-means to maintain them in spaced-apart relationship.

2,601,372
ROTARY COAXIAL SWITCH
Charles W. Creaser, Jr., Wrentham, Mass., assignor, by mesne assignments, to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application August 11, 1948, Serial No. 43,561
8 Claims. (Cl. 200—153)



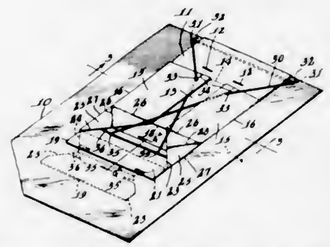
1. A multiposition switch for selectively connecting a plurality of coaxial lines comprising a hollow body having an end plate with a tapered aperture centrically located in the inner surface thereof and a cylindrical wall with an end closed by the plate, a plurality of coaxial connectors for coupling said switch to the respective lines, each of said connectors having a projecting contact extending within said body, one of said connectors being located in the tapered aperture of the end plate, the remaining connectors being positioned in said wall in a plane normal to the wall axis, and a rotatable assembly supported within said body including operating means extending through the body end opposite said plate, a cylindrical member having a conically shaped end abutting the projecting contact of the end connector, and a movable contact arm positioned adjacent the opposite end of the cylindrical member for selectively making contact with the respective projecting contacts of the wall connectors, the taper of said aperture and said cylindrical member being proportioned relatively to each other so that the characteristic impedance of the switch is substantially of constant magnitude.

2,601,373
METHOD OF MAKING SILICON CARBIDE CIRCUIT ELEMENTS
Hans F. Dienel, Berkeley Heights, and Gordon K. Teal, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1950, Serial No. 160,542
9 Claims. (Cl. 25—157)



1. In the process of forming a conductive element containing silicon carbide, the step of firing the body of said element in an atmosphere containing from 20 to 100 per cent carbon monoxide.

2,601,374
SURPRISE DISPLAY
Guy E. Ditzler, Brookfield, and Maurice B. Kovnat, Chicago, Ill.
Application February 24, 1947, Serial No. 730,476
1 Claim. (Cl. 40—126)

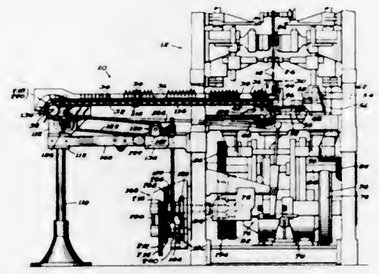


A surprise display comprising a supporting flat base, a foldable display of sheet material having a front portion hinged to the base to swing uprightly, a top hinged to the front portion, sides hinged to the edges of the front portion and each side having angular hinged portions connecting it to the adjacent end of the top and these angular portions collapsing together when the display is distended, the sides and said angular portions foldable relatively inward of their connection with the display front when the display is collapsed, and an endless resilient band having opposite portions engaging the base and the top to swing the display upwardly with the top overlying the front and with intermediate portions of the band extending angularly so that one overlaps the other engaging the said sides and swinging them outwardly, collapsing the angular hinged portions together and swinging the sides outwardly to hold the front in erect position and to support the top in horizontal position and with the main portions of the resilient band enclosed by the connected front, top and side portions thus erected.

2,601,375
RECOVERY OF GLYCERIDES FROM TANK SETTLINGS
Maurice M. Durkee, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application April 17, 1950, Serial No. 156,505
4 Claims. (Cl. 260—412.5)

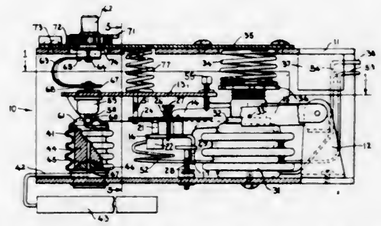
1. The process of treating crude vegetable oil tank settlings containing meal, phosphatides, and other impurities, said settlings being obtained from storage tanks in which crude oil has been temporarily stored prior to any refining operation, to recover the oil therefrom, comprising: adding a substantial proportion of water to the settlings, agitating and heating the mixture, allowing the mixture to cool and settle to form an upper layer of oil and a lower, aqueous layer containing the impurities and then separating the oil.

2,601,376
APPARATUS FOR CONVEYING PACKAGES
Lewis B. Eaton, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application May 22, 1947, Serial No. 749,710
4 Claims. (Cl. 198—134)



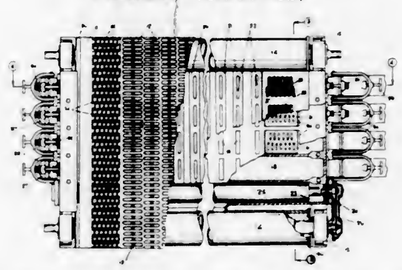
1. In apparatus of the character described, in combination, an endless conveyer having a plurality of bag-receiving pockets arranged in groups of equal number and with a substantial space between successive groups, means for transferring successive bags from a source of supply into successive pockets, and driving means for intermittently advancing said conveyer a distance of one pocket space each cycle of operation for a predetermined number of cycles corresponding to the number of pockets in a group, and for then advancing the conveyer a relatively greater distance corresponding to the space between said groups during one cycle, said driving means including a cyclically operated member, stop means for limiting the movement of said member to effect successive movements of one pocket space, and means for rendering said stop means inoperative during said one cycle.

2,601,377
REVERSIBLE THERMOSTATIC CONTROL DEVICE
David H. Ellis, Oak Park, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 13, 1948, Serial No. 54,318
14 Claims. (Cl. 236—1)



5. A pneumatic thermostat including a control valve means, said valve means including a pivoted operating member having end portions on opposite sides of the pivot means for said member, a base member, a platform member hingedly attached to said base member and on which said valve means is mounted, a thermostatically operable member attached to said base member, a connecting member attached to said thermostatically operable member and having spaced operating member engaging portions, one of said portions being arranged to pull only on one end of said operating member and the other portion being arranged to push only on the other end of said operating member, and means for shifting said platform member relative to said connecting member.

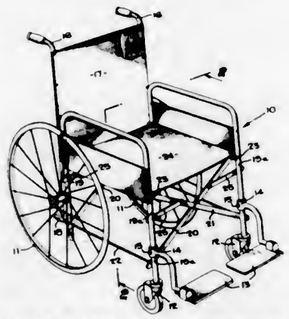
2,601,378
APPARATUS FOR EXTRACTING WATER FROM WEBS OF PULP OR PAPER
James William Weston Evans, Clifton, near Manchester, England
Application January 31, 1947, Serial No. 725,518
In Great Britain February 5, 1946
5 Claims. (Cl. 92—52)



1. Apparatus for extracting water from webs of pulp or paper comprising a traveling pervious band for carrying the web to be treated, an endless rubber belt having side edges, supporting the band, one of the two elements being driven and carrying forward the other, the rubber belt having a series of grooves intermediate the side edges and a second series of grooves adjacent each side edge, each of the series of grooves having openings in their medial portions, a suction box under the belt adapted to draw water from the web through the band and belt, a cover plate for the suction box having a series of openings therein intermediate the side edges and rectangu-

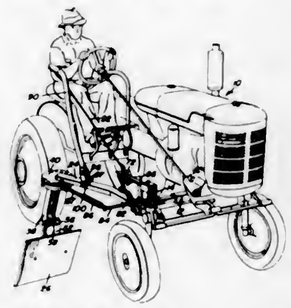
lar apertures adjacent each side edge, a bearing plate between the cover plate and the operative run of the belt having a series of apertures therein coinciding with the intermediate openings of the cover plate and belt, a plurality of longitudinal grooves in the bearing plate intermediate each series of the apertures in the bearing plate, a plurality of deckles mounted within the suction box at each side edge, each deckle comprising a stationary hollow body open to the suction box at one end, the top of each deckle extending through the rectangular apertures of the cover plate and having a series of staggered grooves extending in opposite directions from the medial portion and apertures in the inner adjacent ends of each groove, a second bearing plate covering the deckles and having like grooves and apertures therein adapted to coincide the second series of grooves and their openings of the rubber belt with the grooves and apertures of the deckles, a hollow tube rotatably mounted within the hollow body of each deckle angularly adjustable therein, and having a plurality of rows of openings therein, the number of openings in each of the rows being graduated, the tube having a closure at one end, with the other end open to the suction box, an operating rod extending through a wall of the suction box having a knob on one end and being connected with the closure on the other end, whereby upon rotation of the knob and operating rod the tube may be rotated within the hollow body of the deckle to change the number of effective openings of the deckle and the second series of openings of the rubber belt to the suction box.

2,601,379
REVERSIBLE WHEEL CHAIR
Herbert A. Everest and Harry C. Jennings, Los Angeles, Calif.
Application December 6, 1948, Serial No. 63,682
1 Claim. (Cl. 155—30)



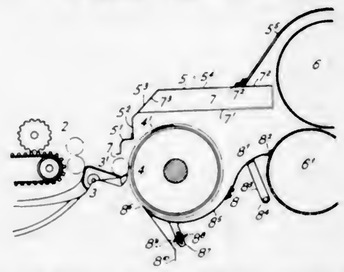
An invalid's wheel chair comprising a pair of similar side frames each having a front and rear leg and being symmetrical with respect to a central transverse plane therethrough, relatively large drive wheel rotatably mounted upon the rear legs, caster wheels mounted on the front legs, footrests including attaching brackets detachably connected to the front legs, said brackets being connectable to the rear legs, combined hand, backrest, and foot members, means for detachably connecting the combined handle, backrest, and foot members to the back legs, said means being applicable to the front legs whereby the position of the foot rests and the combined handle, backrest, and foot members are interchangeable and each may be optionally mounted on either the front or rear legs to convert the chair from a chair having the drive wheels on the rear legs and the caster wheels on the front legs to a chair wherein the drive wheels are on the front legs and the caster wheels are on the rear legs.

2,601,380
GRAPE HOE
Willis D. Flory, Decatur, Mich.
Application November 20, 1950, Serial No. 196,597
3 Claims. (Cl. 97—137)



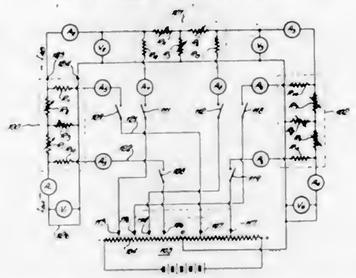
1. An attachment for a tractor, said attachment comprising a bracket with a vertical spindle, an earth-working tool beam having a universal joint at one end connecting said beam to said spindle, a spring operatively connected with said beam to oppose movement of said beam in one direction in a horizontal plane, an arm mounted for pivotal movement in a horizontal plane and disposed on said spindle, a quadrant having teeth and secured to said beam, a locking device engaged with the teeth of said quadrant, said locking device being fixed to said arm whereby said locking device holds said beam against movement in said vertical plane, and a handle to move said beam connected to said beam.

2,601,381
OPENING AND CLEANING MACHINE FOR FIBROUS MATERIALS
Sydney Maurice Freeman and Arthur Linnert, Didsbury, Manchester, England, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England, a British association
Application December 5, 1946, Serial No. 714,222
In Great Britain December 4, 1945
8 Claims. (Cl. 19—89)



1. An opening and cleaning machine for fibrous materials, comprising a high speed rotary drum-like saw-toothed beater, means for feeding the fibrous material to the beater, a collecting chamber including upper and lower covers which at one end partially embrace the beater, one of said covers partially closing any entry for air to the chamber in advance of the feed, and the other cover partially closing any entry for air to the chamber after the feed, and a suction cage at the opposite end of the chamber for receiving the fibrous material from the beater, said second-mentioned cover being sufficiently close to the beater and the first-mentioned cover being so shaped and spaced away from the beater that the suction cage can produce a condition of less than atmospheric pressure in the chamber including a zone extending against the said first-mentioned cover to the region of feed so as to permit air carried round by the beater at its periphery and checked at the feed by the incoming material, to return within the chamber against such first-mentioned cover to the suction cage, said second-mentioned cover converging toward the periphery of the beater thereby to provide an expanding or volute-shaped space in the chamber.

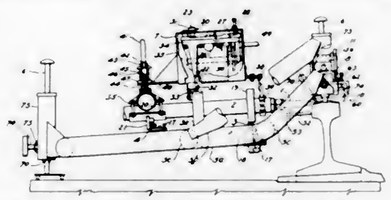
2,601,382
SYSTEM FOR DESIGNING MECHANICAL STRUCTURES
Eugene G. Fubini, Garden City, N. Y.
Application January 15, 1947, Serial No. 722,211
6 Claims. (Cl. 235—61)



1. A system for analyzing frame structures including a plurality of electrical networks, each having at least three relatively adjustable qualitatively similar impedance elements, each of said networks corresponding to a particular member of the structure to be analyzed; detachable electrical connecting means for joining said networks to correspond to the arrangement of members in said structure; a source of electrical energy for supplying independently adjustable electrical quantities to each of said networks, said quantities being substantially independent of circuit changes within said networks and adapted to be individually adjusted in accordance with structural parameters affecting the corresponding structural member; and an indicator for measuring an electrical quantity associated with each network to thereby denote movements or moments affecting each corresponding structural member.

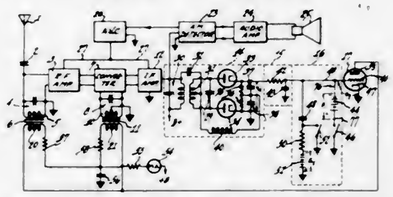
2,601,383
TORCH CUTTING APPARATUS FOR SURFACING WELD METAL
Harry S. George, Massapequa, N. Y.
Application August 16, 1948, Serial No. 44,568
7 Claims. (Cl. 266—23)

1. A surfacing machine for use in repairing battered rail joints comprising, in combination, an oxygen-cutting blowpipe having a defined jet axis, a carriage for the blowpipe, a main frame providing a guide for the carriage, retractable frame supporting gage blades mounted on the main frame and having rail contact edges engageable with riding strips of the rails which are settable mechanically into a common plane that substantially coincides with the plane of the surface to be formed by the cutting action of the blowpipe, means for adjusting the gage blades longitudinally of the rail to engage the rail in



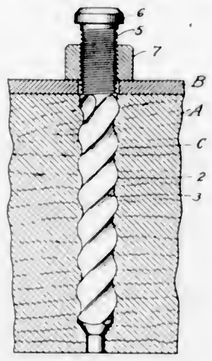
frame supporting relation substantially at the run-off points, and adjustable rail engaging frame supports located at a distance from one another considerably greater than the maximum available spacing of the gage blades from one another and substitutable for the gage blades in supporting the frame on the rail and maintaining the frame in the position determined by the gage blades, so that the gage blades can be retracted during the cutting action while the cutting is caused to progress along the path determined by the gage blades.

2,601,384
ELECTRONIC SIGNAL SEEKING RECEIVER
Hunter C. Goodrich, Jr., Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 3, 1948, Serial No. 58,044
17 Claims. (Cl. 250—20)



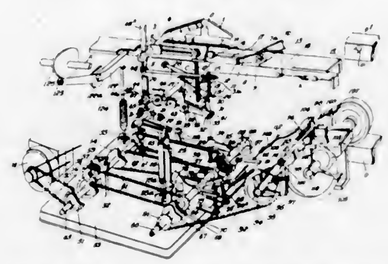
1. An electronic signal seeking receiver comprising a wave transmission channel including a resonant circuit for selecting a signal wave, said resonant circuit having an inductor including a ferromagnetic core; and apparatus for varying the permeability of said core at a predetermined rate to tune said resonant circuit over a predetermined frequency range, said apparatus comprising a scanning voltage generator coupled to said channel for developing a scanning voltage of constantly decreasing amplitude in a predetermined direction, a control circuit coupled to said generator and responsive to said scanning voltage, said control circuit being coupled to said core to vary the permeability of said core in dependence upon the current flowing in said scanning voltage generator, thereby to scan a predetermined frequency spectrum in a predetermined direction, and means coupled to said scanning voltage generator for arresting the variation of the permeability of said core in response to a received signal wave.

2,601,385
SCREW STUD
Harry C. Graham, Pittsburgh, Pa., assignor to Pittsburgh Screw and Bolt Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 1, 1946, Serial No. 658,752
1 Claim. (Cl. 85—41)



A railway spike of the driven type for removably attaching a member to a wooden tie and comprising a shank of substantially uniform diameter with threads on the lower portion thereof of a lead and pitch of at least but not substantially greater than 45° such as to cause the spike to rotate when it is driven by hammer blows into the substance of a wooden tie, the upper portion of said shank having low pitch angle threads to receive a threaded nut, a nut on said upper portion, and an unthreaded anvil portion on the upper end of the shank to accept the blows required to drive the spike and protect the threads of the upper portion from mutilation, the anvil portion being in the form of a head of greater diameter than the shank and constituting a fixed abutment against which the nut on the upper portion may be backed.

2,601,386
MACHINE FOR DOFFING SPINNING AND LIKE MACHINES
James Gregory, George Alfred Rea Foster, and Harold Catling, Didsbury, England, assignors to The British Cotton Industry Research Association, Didsbury, Manchester, England, a British association
Application July 14, 1948, Serial No. 38,636
In Great Britain July 16, 1947
14 Claims. (Cl. 57—53)

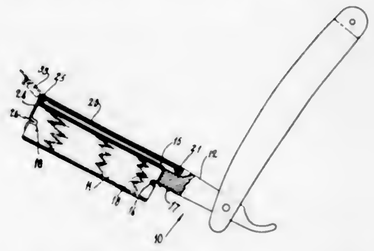


1. In a doffing apparatus of the kind comprising a doffer carriage mounted on wheels and movable step-by-step to predetermined positions along a spinning, doubling or twisting frame, doffing mechanism on the carriage, means for driving the doffing mechanism through a doffing cycle, including a timing shaft and driving mechanism for rotating said shaft through one revolution for each cycle, and means for starting and stopping the driving mechanism for the timing shaft at the beginning and end of each doffing cycle, the combination of traversing and latching mechanism for moving the carriage step-by-step and locating and securing said carriage in each of said predetermined positions, comprising driving means for moving the carriage, drive control means for engaging and disengaging said driving means, complementary engageable and disengageable latching members on the doffer carriage, means associated with the timing shaft of the doffing mechanism for disengaging said latching members immediately before completion of each revolution of the shaft and for actuating the drive-control means to start the drive to the carriage, and means in timed relation with the re-engagement of the latching members at the next predetermined position of the carriage to actuate both the drive control means for stopping the drive to the carriage and the means to start the drive to the timing shaft of the doffing mechanism for the next doffing cycle.

2,601,387
PREPARATION OF AMIDES HAVING TERTIARY CARBON ATTACHED TO AMIDO NITROGEN
William F. Gresham and William E. Grigsby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 24, 1948, Serial No. 61,929
7 Claims. (Cl. 260—561)

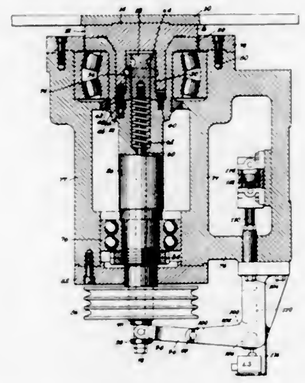
1. A process for the synthesis of organic acid amides having a tertiary carbon atom attached to an amido nitrogen which comprises subjecting a nitrile of the class consisting of HCN and cyanoalkanes to reaction under acidic conditions with a saturated tertiary alcohol, whereby a reaction mixture containing an organic acid amide having a tertiary carbon atom attached to the amido nitrogen is obtained.

2,601,388
RAZOR BLADE HOLDER
Gasper Guarino, Brooklyn, N. Y.
Application July 13, 1948, Serial No. 38,468
1 Claim. (Cl. 30—330)



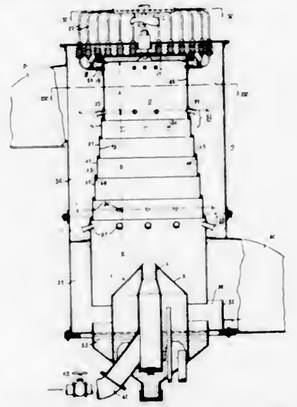
In a barber's razor, a razor blade holder for a ribbon-like blade of uniform thickness throughout its length, and having a notch in each end wall, said razor blade holder comprising an elongated body having a slot therethrough of a size for frictionally mounting said blade therein, a tongue secured at the inner end of said slot, said body having grooves on opposite sides, a hollow guard pivoted at one end of said body and movable over said blade holder and with its lower edges in locked engagement with said grooves, said hollow guard having a tongue plate pivoted at its outer end for covering the front end of said body, one end of said blade being adapted to be mounted on said inner tongue, said plate being movable to bring its tongue into a notch at the other end of said blade to retain said blade in cutting position in said razor blade holder, and means on said plate for interlocking said plate with said hollow guard.

2,601,389
CENTRIFUGAL CASTING MACHINE
John D. Guelph, Paterson, N. J., assignor to A. R. D. Corporation, New York, N. Y., a corporation of New York
Application May 24, 1947, Serial No. 750,203
1 Claim. (Cl. 287—53)



In combination, a rotatable table to support a work piece, a coupling member permanently secured to said table, said member having a depending cylindrical skirt provided with an annular groove in the inner periphery thereof, a rotatable hollow spindle having at its free end inner and outer concentric cylindrical flanges spaced to form an annular groove therebetween for receiving said skirt, whereby said annular flanges engage and support both the inner and the outer surfaces of said cylindrical skirt, said skirt having holes extending axially and disposed around its lower surface, coupling plungers carried by said spindle, projecting axially into said annular groove and registering with said holes, spring means advancing said plungers into said holes to transmit the torque of the rotating spindle to said skirt, the inner cylindrical flange of said spindle carrying a set of balls in registration with the groove in said skirt, and a rod extending axially in said hollow spindle and having a cam surface adapted to advance said balls into the groove in the skirt to lock said skirt against axial movement in said spindle, said rod being shiftable into positions to advance or retract said balls for locking or releasing said skirt.

2,601,390
COMBUSTION CHAMBER FOR GAS TURBINES WITH CIRCUMFERENTIALLY ARRANGED PULVERIZED SOLID FUEL AND AIR NOZZLES
Floyd T. Hague, Drexel Hill, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1946, Serial No. 708,275
13 Claims. (Cl. 60—39.46)

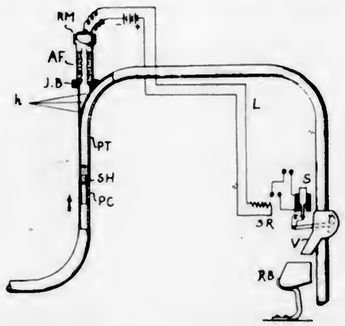


13. In combustion apparatus utilizing finely-pulverized solid fuel and air to produce a motive fluid mixture of products of combustion and air, an elongated combustor, a circumferential group of radially-arranged fuel and air nozzles at the upstream end of the combustor, said fuel and air nozzles being respectively circumferentially adjacent, and means for admitting additional air to the combustor and spaced downstream from the nozzles to define, upstream of such means, an ignition zone, said air nozzles and said air admission means providing for proportioning of the air supplied to the combustor so that the air supplied by the air nozzles suffices to support combustion of the volatile fuel component and combustion of the non-volatile component to provide for the latter issuing from the ignition zone being preheated sufficiently to maintain ignition for combustion supported by air supplied by such admission means and so that the air supplied by said admission means is sufficient for combustion of the non-volatile component and dilution of the products of combustion to provide a motive fluid mixture, said air admission means including passages for supplying air for flow along the inner surface of the combustor to protect the latter against overheating.

2,601,391
CONTROL SYSTEM FOR PNEUMATIC DISPATCH SYSTEMS
Johannes Wolfgang Halpern, Vesterbrogade 136", Copenhagen, Denmark
Application February 26, 1948, Serial No. 11,054
In Great Britain March 31, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 31, 1964
2 Claims. (Cl. 243—16)

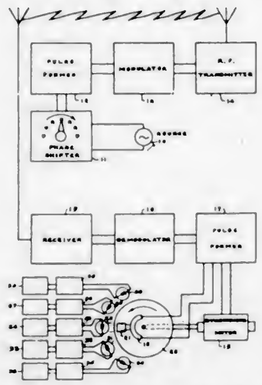
1. In a pneumatic conveyor system with automatic path and carrier control, the combination of carriers fitted with a special control head containing a system of air passages communicating with the air flow of the pneumatic tube, reeds

fitted in the pathway of each of these passages and each tuned to a different control note, means for suppressing the vibration of any number of the reeds, branch-off tubes fitted to the main tube, a sound-detector arranged near each



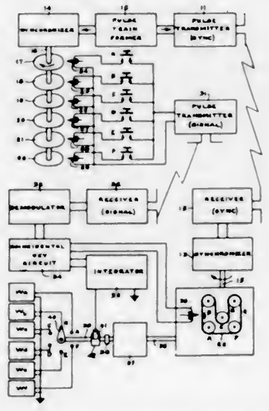
branch-off point to receive the sound generated by the reeds, a power-operated deflector disposed within the main tube at each branch-off point and a relay associated with the detector to switch the deflector into its operative position.

2,601,392
CONTROL SYSTEM WITH SINGLE PULSE TRAIN
John Hays Hammond, Jr., Gloucester, Mass.
Application May 27, 1948, Serial No. 29,529
5 Claims. (Cl. 177—353)



1. A control system comprising a transmitter having a source of constant frequency alternating voltage, a pulse former having means responsive to said alternating voltage to produce a short pulse at a predetermined point in each half cycle thereof whereby a train of pulses is produced with a time interval between successive pulses of the train determined by the frequency of said source, and means interposed between said source and said pulse former for shifting the phase relationship of said alternating current supplied to said pulse former for thereby changing the time interval between pulses during the phase shifting period and returning again to the original time interval after said phase changing period and a receiver including means to receive and reproduce said pulses, a photolamp connected to be energized by the received pulses, photosensitive means positioned to be responsive to the flashes of said photo lamp, a rotating member interposed between said photo lamp and said photosensitive means and having an aperture through which rays from said lamp pass to said photosensitive means, and a motor driving said rotating member in synchronism with the timing of the received pulses, said motor and rotating member having mechanical inertia such that with a changing pulse rate the response of the rotating member lags the response of said lamp.

2,601,393
SELECTIVE REMOTE CONTROL SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application May 27, 1948, Serial No. 29,530
3 Claims. (Cl. 177—353)

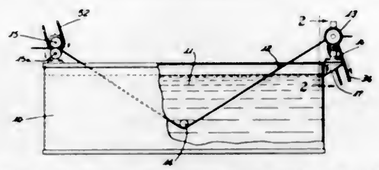


1. A control system comprising a plurality of sources of trains of pulses, each having a differently characterized time pattern means connecting one or more of said sources to actuate a transmitter, a receiver including a plurality of local sources of respective pulse trains matching the pulse patterns of the various transmitter actuating pulse trains, transmitter-receiver synchronizing means for releasing the pulse patterns of said trains from the local sources in sequence simultaneously with the arrival of corresponding pulse patterns from the transmitter, and receiver operated work circuits actuated in response to the time coincidence of the pulses of the transmitted trains and the pulses of the locally released pulse trains, the work circuit corresponding to a transmitted train being actuated only when the local pulse train being released matches the transmitted pulse train.

2,601,394
APPARATUS FOR IMPREGNATING CORD
Merrill E. Hansen, Silver Lake Village, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application February 1, 1947, Serial No. 725,818
3 Claims. (Cl. 118—420)

1. In an apparatus for impregnating textile cord with a liquid, in combination, a container for said liquid, a pair of counter-rotating rolls disposed above the level of said liquid, said rolls cooperating with each other to advance said cord therebetween, a second pair of counter-rotating

rolls disposed above said liquid level spaced apart from the first said pair to receive said cord and to maintain a reach of said cord under tension between said spaced pairs of rolls, means for rotating said rolls, means disposed beneath the surface of said liquid in said container between said

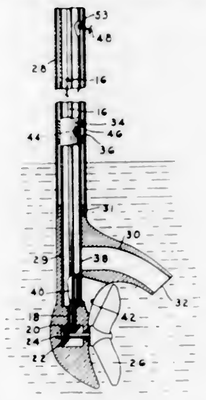


spaced pairs of rolls for maintaining an intermediate portion of said advancing tensioned reach of cord immersed in said liquid, and means for reciprocating the rolls of the first said pair axially with respect to each other while said cord is advancing.

2,601,395
GLASSY MOLECULARLY DEHYDRATED PHOSPHATES
George B. Hatch, Allison Park, Pa., assignor, by mesne assignments, to Calgon, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 29, 1944, Serial No. 542,833
1 Claim. (Cl. 23—105)

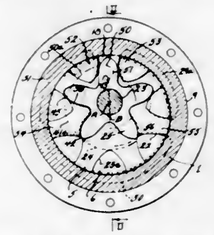
A homogeneous vitreous material as a glassy water-soluble fusion product consisting analytically of the oxides: Na_2O, P_2O_5 and CaO, the P_2O_5 being present to the extent of substantially 50 molar per cent of the total molar content of said oxides, the CaO and Na_2O forming the remainder of said total molar content and each being present to an extent of about 25 molar per cent of the total molar content of said oxides.

2,601,396
EXHAUST DISCHARGE FOR OUTBOARD MOTORS
Howarth P. Henry, Yellow Springs, Ohio
Application July 20, 1948, Serial No. 39,662
5 Claims. (Cl. 115—17)



4. In an outboard motor including an exhaust manifold, a propeller shaft and a propeller drivably connected to said shaft, the combination comprising: an exhaust line connected to said exhaust manifold and including an exhaust pipe surrounding a portion of said propeller shaft, said exhaust pipe having two outlets therein positioned to open below the surface of the water when said outboard motor is in use, one of said outlets being positioned directly in front of said propeller to discharge exhaust gases directly against said propeller, the other of said outlets being positioned directly behind said propeller to discharge exhaust gases away from said propeller so as not to impinge thereagainst, and means for selectively distributing the exhaust gases between said two outlets.

2,601,397
ROTARY FLUID DISPLACEMENT DEVICE
Myron Francis Hill and Francis A. Hill, 2nd, Westport, Conn.
Application April 11, 1950, Serial No. 155,176
11 Claims. (Cl. 103—126)

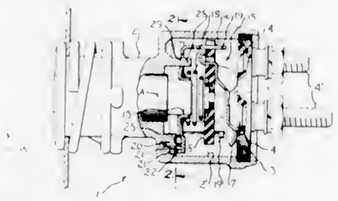


1. In a rotary fluid mechanism toothed displacement rotor members, one within, eccentric to, and having fewer teeth than the other, inwardly projecting teeth on one member meshing with outwardly projecting teeth on the other member, along a pathway between full mesh and a crescent range between the teeth at open mesh where no tooth engagements occur, displacement chambers between the teeth of said members sealed from each other by one side of said teeth as they close in a pump or compressor or as they open in a fluid motor, drive means connected to the outer rotor member causing its teeth to drive teeth of the inner member and maintain tooth engagements between said chambers, the other sides of said teeth being spaced apart to provide back lash between them to allow tolerances of manufacture or uneven expansions, centers of curvature of said engaging teeth differing from each other in location and travelling far enough from their rotor axes to provide said engagements during rotation; ports in said mechanism, one registering with opening chambers and one with closing chambers and abutment areas between said ports cooperating with said tooth engagements to check leakage between said ports.

2,601,398
ELECTRIC SWITCH
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 7, 1948, Serial No. 19,529
1 Claim. (Cl. 200—11)

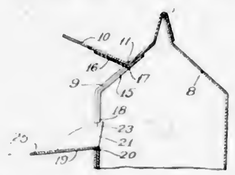
In a switch of the type having a bored case; a terminal plate fixed at the rear of the case with its front surface transverse to the axis of the case bore and having a plurality of stationary terminals exposed on said front surface; a plurality of rotatable rollers each supported on a shaft received in slot-like wells in a part

of the case spaced forwardly of the terminal plate, said wells opening rearwardly and forming partial bearings disposing the rollers with their axes substantially radial to the axis of the bore, each roller being received in a rearwardly opening cavity in the case; a movable contactor in the case intermediate the terminal plate and said rollers, said contactor being rotatable on an axis transverse to the terminal plate and having contacts adapted to be carried into and out of circuit-making engagement with the terminals on the terminal plate in consequence of its rotation; a cam surface rotatable in the bore of the case between the contactor and said rollers, coaxially with the contactor, and adapted to operatively engage



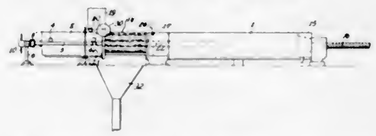
said rollers and to be moved axially toward and from the terminal plate in consequence of rotation; a splined connection between the cam surface and the contactor; and a compression spring reacting between the contactor and the cam surface to bias the same axially in opposite directions to thus urge the contactor into firm engagement with the terminal head and urge the cam surface into engagement with the rollers to preclude forward displacement of the rollers out of said wells and to enable the rollers to cooperate with the cam surface to move the same forwardly in consequence of its rotation to thus increase spring pressure on the contactor as it is rotated toward the position in which its contacts are carried into circuit making engagement with the terminals.

2,601,399
DISPENSING MILK CONTAINER
John Paul Jones, Omaha, Nebr., assignor to Dairy Specialties, Inc., a corporation of Nebraska
Application May 21, 1945, Serial No. 594,972
3 Claims. (Cl. 222—482)



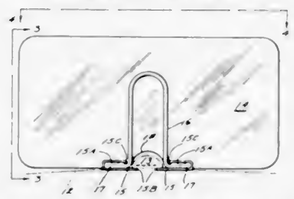
1. A milk and cream separating container of the waxed paper type having an outer side wall with an opening with sides converging toward the bottom and a closure hinged at the top of the opening, an inner wall portion to cover the opening and adhering at the inside of the outer wall, the inner wall having an upper aperture covered and sealed by said closure and a lower aperture at the bottom of the opening connected to the upper opening by a central slot, a spout hinged at the bottom of the lower aperture and sealing it when closed, the spout having a projection which fills and seals the slot and has a manually engageable extremity extending into the top aperture and covered by the closure, the upper aperture being opened when the closure is raised, and the lower aperture being opened when the spout is pulled down and extended against the said converging sides.

2,601,400
STEEPING PRESS
Gaston Joris, Paris, France, assignor, by mesne assignments, to Textile and Chemical Research Company Limited, Saint Peter Port, Guernsey, Channel Islands, a corporation of Great Britain
Application August 7, 1947, Serial No. 767,274
In France March 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 3, 1965
9 Claims. (Cl. 100—50)



1. A steeping press for steeping cellulose pulp sheets arranged in said press vertically on edge and in bundles which are separated by spacers, comprising a fixed tank section open at its rear end, a movable tank section open at its forward end, means to move said movable tank section toward and away from said fixed tank section, means to secure said tank sections with the open ends thereof in abutting relationship, a piston slidably positioned in the fixed tank section, a movable platen adapted to be disposed adjacent the open end of said fixed section and constitute a support against which the sheets in the tank are pressed by said piston, a plate slidably mounted in said fixed tank section ahead of said piston, means to lock said plate to and in spaced relationship to said platen when the piston is retracted after its compression stroke whereby the sheets are confined between said platen and plate, and a hopper adjacent the open end of said fixed tank section and adapted to be covered by said movable tank section when the ends of said movable section and fixed section are in abutting relationship, said sheets being discharged under their own weight into said hopper when said movable tank section is positioned so that said hopper is not covered thereby and when said platen and plate are disposed over said hopper.

2,601,401
AUTOMOBILE BUG DEFLECTOR
John S. Kish, Youngstown, Ohio, assignor to Emanuel E. Evans, Poland, Ohio
Application May 7, 1951, Serial No. 224,963
5 Claims. (Cl. 296—91)



1. The combination of an automobile having a windshield and a hood in front thereof and

an ornamental moulding on said hood, a sheet of transparent plastic material and means for mounting the same in approximately vertical position transversely of the hood and spaced in front of said windshield and on said ornamental moulding, said sheet of transparent material having a centrally disposed rearwardly extending inverted U-shaped member, the ends of which are outturned, said means comprising a pair of clamps of general U-shape, one of the arms of each of the clamps being longer than the other and said clamps engaged upon said outturned ends with the longer arms extending inwardly for registry beneath the ornamental moulding.

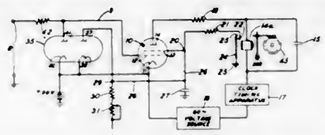
2,601,402
SLIDING BLADE KNIFE
Richard S. Krause, Lincolnwood, and Ernest H. Seibert, Chicago, Ill., assignors to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application December 12, 1947, Serial No. 791,320
2 Claims. (Cl. 30—162)



1. A sliding blade knife comprising a tubular handle closed except for a longitudinal slot and a passage at one end for a blade, an inverted substantially V-shaped liner anchored in the handle in the upper interior portion thereof with its opposite longitudinal edges each abutting a complementary shoulder in the interior of the handle to retain the liner against rotation, said liner having a slot along the apex thereof aligned with the slot in the handle and with the slot provided in the liner having spaced enlargements, a sliding blade having a shank provided with a transverse slot and an opening in the shank being disposed within and rounded to conform to the interior of the handle and having its upper surface tapered to conform to the liner, a button having a shank extending through the aligned slots and provided with a reduced end extending into the transverse slot and the opening in the blade shank, and a lock key conforming to the shape of the liner secured to the shank of the button and springbiased to move the button to elevated position in which the lock key is seated in one of the spaced enlargements and the blade and its shank are locked against longitudinal movement, but when the button is depressed the lock key is moved out of said enlargement into the transverse slot and the blade is movable to another position in which the lock key seats in another enlargement.

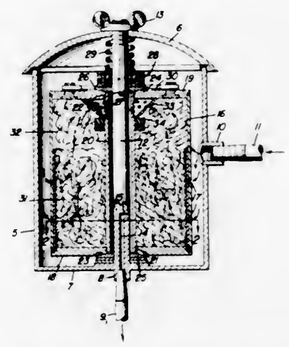
2,601,403
ELECTRIC CIRCUIT
Lester Y. Lacy, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 19, 1948, Serial No. 15,930
7 Claims. (Cl. 235—92)

3. In combination, an input circuit having a voltage of at least a certain magnitude, a counting mechanism having an operating winding and a capacitor in shunt thereto, a gaseous discharge device having a control grid, a screen grid, a cathode and an anode, said control grid being connected to said input circuit, a source of alternating current connected to said cathode and anode and including said winding and capacitor therebetween, means for applying a voltage of predetermined magnitude to said screen grid to cause said device to ionize on a positive half-cycle of the alternating voltage when the certain voltage being applied to said control grid from said input circuit at the same time has a magnitude substantially equal to the predetermined magnitude of said screen grid voltage whereby said capacitor is caused to take on a charge, said capacitor dissipating its charge in said winding to operate said mechanism as said device is deionized on the next succeeding half-cycle of the alternating voltage whereby said mechanism is



caused to record that at least the certain voltage occurred in said input circuit, means for applying a preselected voltage to said cathode of said device, and means for controlling the predetermined voltage applied to said screen grid, said last-mentioned means comprising a diode having an anode and a cathode, said last-mentioned anode being connected to a point which is common to said screen grid and said predetermined voltage means, said last-mentioned cathode being connected to a point which is common to said cathode of said device and said preselected voltage means.

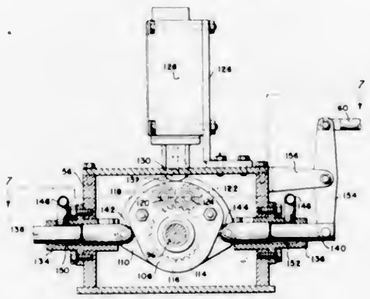
2,601,404
OIL FILTER
Thomas S. Lasky, Kingston, Pa.
Application April 12, 1950, Serial No. 155,409
4 Claims. (Cl. 210—131)



1. In an oil filter, a cartridge comprising a container, said container embodying a cylindrical shell having an imperforate upper portion and provided with perforations in its lower portion, an imperforate bottom having a central opening, a removable imperforate lid having a central opening, and a central tube having its lower end fixed in the central opening of the bottom and its upper end removably received in the central opening of the lid, said tube having perforations near its upper end and being otherwise imperforate, a coarse absorbent filtering material in the lower portion of said container, a fine absorbent filtering medium in the upper portion of said container, a resilient washer fitted on said tube immediately below its perforations, and an

inverted frusto-conical perforated member fitted on the tube to keep the fine filtering medium away from and prevent it from clogging the perforations of the tube, said frusto-conical member being engaged at its upper larger end with the under side of the lid and having its lower end pressed by said lid down on said washer.

2,601,405
ELECTROHYDRAULIC SHIP STEERING GEAR
Harry W. Link, Merion, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 27, 1950, Serial No. 186,970
16 Claims. (Cl. 60—52)



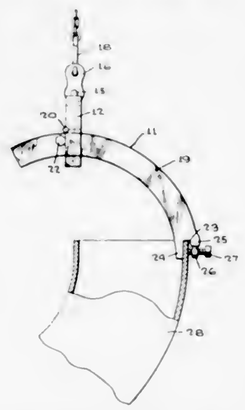
3. In an electro-hydraulic steering device a fluid motor, a reversible discharge pump operatively associated with said fluid motor, a driving motor for said pump, adjusting means associated with said pump for controlling the discharge of the pump and providing at a neutral position a zero pump output, means responsive to both manual control and operation of said fluid motor for actuating said adjusting means, and means responsive to the position of said actuating means for starting the pump driving motor only when the pump adjusting means is in the neutral position.

2,601,406
APPARATUS FOR TAKING PHOTOGRAPHS OF BODY CAVITIES
Ernest J. Marcouiller, New York, N. Y.
Application September 7, 1950, Serial No. 183,607
6 Claims. (Cl. 95—11)

2. Apparatus for taking pictures of body cavities, comprising in combination, a camera; an elongated camera supporting an operating means connected to said camera and having a smooth, cylindrical surface portion located adjacent to but spaced from said camera; flash bulb supporting means located in said camera supporting and operating means between said camera and said cylindrical surface portion; and a sleeve member mounted on said cylindrical surface portion of said camera supporting and operating means for slidable movement therealong, said sleeve member having an annular flange provided with a reflecting surface facing said flash bulb supporting means, whereby, when a flash is created by a flash bulb located in said flash bulb supporting means, said reflecting surface directs the light therefrom toward said camera, said mounting of said sleeve member on said cylindrical surface portion of said camera supporting and operating means permitting said reflecting surface to be adjustably located with respect to said camera and flash bulb supporting means.



2,601,407
DEVICE FOR SUPPORTING PIPE FITTINGS FOR WELDING
Lee W. Marshall, Terre Haute, Ind.
Application June 22, 1951, Serial No. 232,971
3 Claims. (Cl. 294—78)

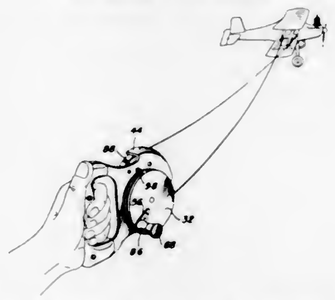


1. A supporting device for pipe fittings and the like comprising a link bar, said link bar being formed with a vertical slot, an arcuate bar member extending through said slot, pipe-gripping means on the lower end of said arcuate bar member, a depending anchoring element secured transversely on the link bar at the top end of said slot on the side of said link bar opposite the lower end of said arcuate bar member, said anchoring element being arranged to grippingly engage the top edge of said arcuate bar member responsive to the application of a load to the lower end of said arcuate bar member and an element carried by said link bar and arranged to clampingly engage said arcuate bar member.

2,601,408
TWO-STEP DIGESTION OF WOOD WITH ALIPHATIC ACID
Mervin E. Martin, Cumberland, and Daniel L. Sherk, La Vale, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 29, 1947, Serial No. 771,390
5 Claims. (Cl. 92—9)

1. Process for the preparation of purified wood pulp cellulose, which comprises digesting wood for 5 to 60 minutes at 150 to 160° C. with a 50 to 70% by weight aqueous solution of a lower aliphatic acid selected from the group consisting of acetic, propionic and butyric acid, recovering the digested material and subjecting the same to at least one additional digestion for 5 to 60 minutes at 150 to 160° C. with a 30 to 40% by weight aqueous solution of a lower aliphatic acid selected from the group consisting of acetic, propionic and butyric acid.

2,601,409
CONTROL FOR FLYING MODEL AIRPLANES
Donald F. McArthur and Willard J. Goertz, Wichita, Kans.; said McArthur assignor to said Goertz
Application October 14, 1948, Serial No. 54,522
3 Claims. (Cl. 242—97)



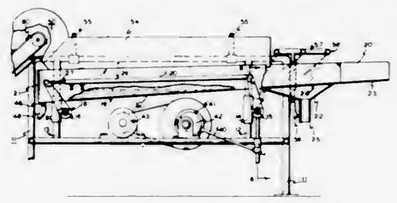
1. In a control device for a tethered attachment, a base having a number of apertures, a reel mounted on each side of said base, a slidable pin carried by one of said reels and disposed in one of said apertures to prevent rotation of one of said reels, means supported by said base for drivingly connecting said reels including shafts secured to said base, a gear on each of said reels, the gears being enmeshed, and said reels mounted for rotation on said shafts.

2,601,410
CONTROL GATE
James A. McKay, Westmount, Quebec, Canada
Application November 3, 1950, Serial No. 193,909
1 Claim. (Cl. 268—33)

In a vehicle having an exit passageway and power actuating doors barring said passageway, the combination with a control apparatus for operating said power actuating doors including, a safety control gate mounted for horizontal swinging movement in said passageway, a base adapted for attachment to the floor of said vehicle, a shaft extending vertically from said base, a tubular member surrounding said shaft and mounted for restricted rotary movement thereon, thrust bearings between said tubular member and shaft, a coil spring mounted on said shaft within said tubular member and connected between said shaft and member whereby rotary movement of said member in one direction compresses said spring and release of said member allows said spring to rotate said member in the opposite direction, a bracket extending from said tubular member adapted to support the end of said control gate, a housing surrounding said base in spaced apart relationship from said tubular member and including a cover member having a central opening adapted to fit closely about said tubular member and a lower edge adapted to fit outside of said housing, and electrical contact means mounted on said base and tubular member whereby movement of said tubular member in one direction is adapted to close said contact points and movement of said tubular member in the opposite direction is adapted to break said contact.



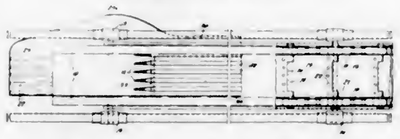
2,601,411
VEGETABLE AND FRUIT WASHER
Arthur B. McLauchlan, Salem, Oreg.
Application February 28, 1948, Serial No. 11,911
3 Claims. (Cl. 134—120)



1. In a vegetable and fruit washer of the character described, a washing pan having a bottom extending in a single plane and sloping continuously upwardly from the intake end to the discharge end, means for delivering water into the intake end of said pan, the water overflowing slowly at said discharge end, said pan supported on two pairs of pivotally-mounted rocker arms located near the intake and discharge ends of said pan respectively, said arms mounted to swing in substantially parallel vertical planes parallel to the longitudinal center line of said pan, the arms in each pair being parallel to each other and located on opposite sides of said pan respectively, all of said arms being inclined from the vertical in similar direction but the angle of inclination of the arms at said intake end being greater than that of the arms at said discharge end, and means for imparting a rapid oscillatory movement to said pan and arms,

thereby causing said pan to be oscillated simultaneously in horizontal and vertical directions with the amount of vertical oscillation of said pan being greater at the intake end than at the discharge end, said pairs of arms being so arranged that they will raise said pan with their forward swing in the direction of said discharge end and lower said pan with their return rearward swing in each oscillation, whereby the resulting composite oscillatory vibration of said pan will cause the food articles to be washed, when deposited at said intake end, to be repeatedly immersed in the water in said pan and to travel to said discharge end in paths parallel to the longitudinal center line of said pan.

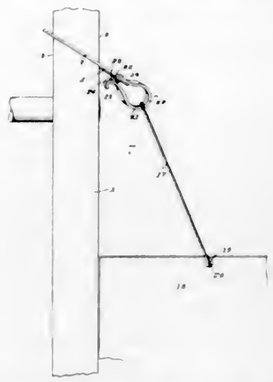
2,601,412
MACHINE FOR HARVESTING POTATOES AND OTHER ROOT CROPS
Thomas Henry Milbourn, Alston, England
Application July 16, 1949, Serial No. 105,234
In Great Britain June 28, 1948
1 Claim. (Cl. 55—51)



In a machine for harvesting root crops having a frame, a grating carried by the frame and driven endless means for moving the crop over the grating; upper and lower pairs of closely spaced-apart guide bars on said frame, said endless means having rotary sprocket wheels mounted on said frame, laterally spaced apart chains trained over said sprocket wheels, regularly spaced cross-bars carried by and spanning said chains, rollers on said cross-bars movable in the spaces between the guide bars of the pairs, plates disposed between successive pairs of cross-bars and supported thereby, each plate at each end being looped about adjacent cross-bars to form an articulated endless band, and prong means carried by said plates to engage and move the crop over the grating, the disposition of the rollers in the said spaces serving to prevent sagging of the plates to enhance the movement of the crop over the grating.

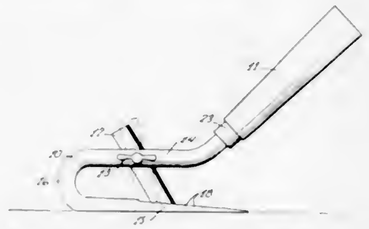
2,601,413
LADDER BRACKET FOR SUPPORTING PAINT PAILS
James Miles, Los Angeles, Calif.
Application February 24, 1947, Serial No. 730,363
7 Claims. (Cl. 248—211)

1. In a hanger for supporting a painter's pail at the side of the painter's ladder, said hanger having a plate-form body including two jaws presenting edges spaced apart, with a throat between the same, to receive the side stringer of the ladder, said jaws having substantially parallel edges to bite against the lateral side faces of the stringer, with the outer portion of the plate projecting laterally from the outer side face of the stringer; said plate form body having an integral plate-form hook bent around a substantially horizontal axis substantially parallel with the adjacent side face of the stringer and forming a socket to receive the bail of the bucket and support the bail with the arms of the bail lying in a plane inclining upwardly toward the ladder; said hook operating to support the pail with its side resting by gravity against the lateral side face of the stringer in a fixed position, thereby



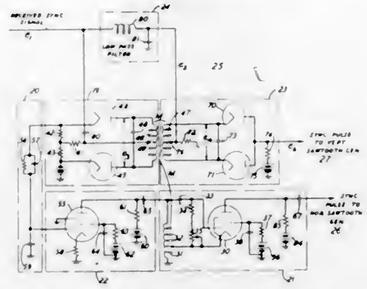
facilitating the efficient wiping of the painter's paint brush against the lip of the bucket.

2,601,414
FABRIC CUTTER
Victor Mittelstaedt, Poughkeepsie, N. Y.
Application August 12, 1949, Serial No. 109,989
1 Claim. (Cl. 30—294)



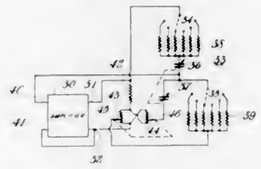
A knife for cutting sheet material comprising a U-shaped frame including a pair of spaced apart and substantially parallel legs and a curved bight portion joining said legs at one end of said frame, one of the said legs tapering in thickness from a location intermediate its length to the distal end thereof and having in the tapered portion thereof a longitudinally extending groove opening to the side of said one leg adjacent the other of said legs and said other leg having an obliquely inclined slot extending through the portion thereof opposite the end of said groove nearest said bight portion and opening to the side of said other leg adjacent said one leg, said other leg also having at its distal end a handle-receiving portion inclined in a direction away from said bight portion and said one leg, a handle secured at one end to the handle-receiving portion of said other leg, an elongated blade extending through the slot in said other leg and having one end received in the groove in said one leg, said blade being inclined relative to said legs in a direction away from said one leg and toward the bight portion of said frame and having a cutting edge on its edge remote from said bight portion, and means carried by said other leg and engaging said blade holding the latter in selected positions of inclination relative to said legs.

2,601,415
VERTICAL SWEEP SYNCHRONIZING CIRCUIT
Bernard M. Oliver, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1949, Serial No. 102,298
3 Claims. (Cl. 178—7.3)



1. In a television receiver, means for receiving television signals containing horizontal and vertical synchronizing pulses, means for removing said horizontal synchronizing pulses from said signals to produce a residual signal, a local oscillator, a vertical sweep circuit, means responsive to the horizontal synchronizing pulses for stabilizing the frequency of said local oscillator, means responsive to oscillations from said local oscillator for deriving sharp pulses having a frequency of recurrence which is twice line scanning frequency, and means for mixing said residual signal and said sharp pulses for actuating said vertical sweep circuit.

2,601,416
TUBE GENERATOR
Henrikus Hanso Schotanus à Steringa Idzerda, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 15, 1949, Serial No. 76,562
In the Netherlands April 12, 1948
5 Claims. (Cl. 250—36)

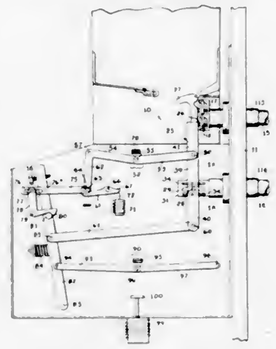


3. An oscillation generator adjustable in frequency comprising an amplifying device having input and output terminals, a frequency-determining regenerative network for said device exhibiting a variable phase-shift as a function of frequency, said network including a first element constituted by a resistance having a value R connected in series with a reactance having a value X and a second element constituted by a resistance having a value βR connected in parallel with a reactance having a value

$$\frac{X}{\alpha}$$

the first and second elements being serially connected across said output terminals, the second element also being connected across said input terminals, the voltage developed across said output terminals having a value E, and a system to detune the generator from the frequency of oscillations as determined by said network, said system including a fixed resistor connected in series with a pair of parallel connected potentiometers across said output terminals, said potentiometers each having a movable tap one of which is connected in series with the resistance and the other of which is connected in series with the reactance in said second element, and means simultaneously to adjust the movable taps on said potentiometers.

2,601,417
CIRCUIT BREAKER
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 7, 1947, Serial No. 720,561
6 Claims. (Cl. 200—98)

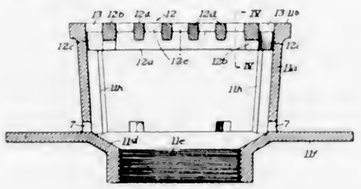


5. In a circuit breaker; a movable arm having a contact; a cooperating contact; a first pivot for said movable arm, a second pivot for said movable arm; a first latch for maintaining said first pivot fixed; a second latch for maintaining said second pivot fixed; an electromagnet responsive to fault currents in the circuit protected by said circuit breaker for operating said second latch to free said second pivot for movement with said movable arm about said first pivot to effect disengagement of said contacts; said arm forming a loop with the circuit protected by said circuit breaker; the magnetic forces set up by fault currents in said loop driving said movable arm about said first pivot into contact disengaging position; circuit closing means for operating said first latch to free said first pivot for movement with said arm about said second pivot; means responsive to the movement of said movable arm for effecting re-engagement of said second latch to maintain said second pivot fixed while said first pivot is operable with said arm about said second pivot by said circuit closing means to effect closing of said contacts; said second pivot means being intermediate to said first pivot and said contacts.

2,601,418
SURFACE DRAIN
Martin A. Sisk, Pittsburgh, Pa.
Application February 23, 1946, Serial No. 649,537
8 Claims. (Cl. 182—31)

1. In a surface drain comprising a drain body provided with an inlet and having a peripheral

side wall extending downward from the rim of said inlet to a circular outlet, said side wall comprising a peripheral succession of flat wall portions extending downward from said rim and fairing smoothly with an annular peripheral wall portion that slopes downwardly to said outlet, forming an internal surface in the drain body that provides a continuous downsweep that is substantially unrestricted throughout the peripheral extent of the side wall, a grate supported on the drain body in position across said inlet; said grate comprising a disk-like body having within its peripheral edge a system of perfora-



tions to provide for the drainage of liquid into said drain body, grate-seating means provided on said drain body within and below said rim, said grate being supported on and covering said seating means with said peripheral edge of the grate spaced at an interval inward from the adjacent edge of said rim of the drain body and forming therewith a drainage slot that opens between said edge of the rim and said edge of the grate and extends in substantial continuity throughout the periphery of said inlet, whereby in service the entire internal surface of said side wall is flushed by an unrestricted downsweeping flow of drainage liquid.

2,601,419
EXPANDING MANDREL
Hilbert C. Spahn, Kewanee, Ill.
Application November 14, 1949, Serial No. 127,223
18 Claims. (Cl. 279—2)



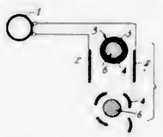
1. An expanding mandrel including a hexagonal body with a longitudinal bore formed therein, said bore having a cylindrical course at one end thereof and a hexagonal course at the other end thereof, a sleeve rotatably mounted in the cylindrical course of the bore having a knurled head united thereto, a shaft slidably mounted in said bore having external threads formed upon a portion thereof adapted to mesh with internal threads formed on the sleeve, an adjoining section of said shaft being hexagonal in section and corresponding in size and shape with the hexagonal section of the bore, said shaft extending forwardly from the body and having a head united to the outer end of the shaft, a plurality of oblique flat plane surfaces formed upon the inner side of said head, a corresponding plurality of oblique flat plane surfaces formed upon the outer end of the body, and a plurality of parallel gripping bars having flat inclined planes formed upon the ends thereof complementary to the planes on the head and body.

2,601,420
HOSE CLAMP
William V. Stackhouse, Redondo Beach, Calif., assignor to North American Aviation, Inc.
Application August 13, 1949, Serial No. 110,181
5 Claims. (Cl. 24—19)



1. A hose clamp comprising a flat strap member adapted to overlappingly circumscribe a cylindrical member; a pair of brackets secured to and carried by said strap member, each bracket including a base wall, portions of which are mounted adjacent said strap member with the forward end portion arcuately inclined rearwardly, and a pair of laterally spaced vertical side walls attached to the side edges of said base wall cooperating with said base wall to define a socket portion; a pair of aligning sectors, each of which is complementarily received within one of said socket portions, each of said aligning sectors and socket portions being provided with an aperture therethrough; and a bolt extending through said apertures interconnecting said brackets for clamping said strap member in operative position.

2,601,421
METHOD OF SHELLING NUTS
Otto Thaning, Eikenhof, Transvaal, Union of South Africa
Application June 3, 1949, Serial No. 96,884
In the Union of South Africa July 19, 1948
3 Claims. (Cl. 146—227)

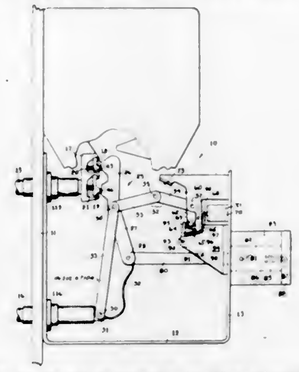


1. A method for removing the shells from the kernels of nuts without damage to the latter, comprising the steps of allowing the nuts to fall by gravity between plates through an electrostatic field of high frequencies between said plates to vapourize the liquid within the shells to generate an explosive pressure to burst the shell from the kernel.

2,601,422
CIRCUIT BREAKER
Carl Thumim, Yeadon, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 7, 1947, Serial No. 720,555
8 Claims. (Cl. 200—98)

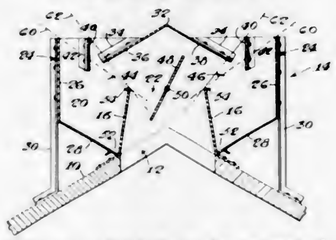
7. In a circuit breaker for protecting an electrical system, said circuit breaker having a movable contact and a cooperating contact, a movable contact arm carrying said movable contact, a pivot for said movable contact arm, a latch mechanism for maintaining said pivot fixed, a closing mechanism connected to said movable arm for operating said arm about said pivot to

effect contact engagement of said movable and cooperating contacts, said movable arm having a section on one side of said pivot longer than the section on the other side of said pivot, the electromagnetic forces due to current flowing in said circuit breaker acting on said longer section to assist said closing mechanism in driving said contacts into engagement, electromagnetic means



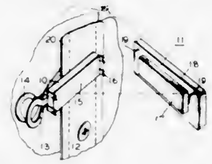
responsive to fault currents in the circuit being protected by said circuit breaker for opening said latch, said pivot being thereupon free to move, a second pivot for said contact arm and means responsive to the electromagnetic forces caused by said fault currents for operating said movable arm about said second pivot to effect contact disengagement between said movable and cooperating contacts.

2,601,423
VENTILATOR
Edward James Allman, Bromborough, Wirral, and Eric Yould, Frodsham, England, assignors to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 28, 1949, Serial No. 118,212
In Great Britain October 25, 1948
1 Claim. (Cl. 98—42)



A ventilator adapted to be mounted on the roof of a building comprising an elongated rectangular throat member defined by upstanding and slightly inwardly inclined side plates and communicating with an opening in the roof, a cap member of an inverted and relatively flat V-shape disposed above said throat, the arms of the V extending beyond the upper edges of said throat, an elongated rectangular suction band spaced from and surrounding said throat, the upper edges of the suction band extending vertically above said throat and above the lower edges of said cap member, and elongated vertical baffle plates disposed between and spaced from said cap edges and from the suction band, the upper edges of said baffle plates being substantially in horizontal alignment with the upper edges of the suction band, said cap extending laterally beyond an inclined plane passing through the upper edge of a baffle plate and the upper edge of a throat side plate to prevent wind and wind driven rain or snow falling within the baffle plates from entering said throat, the lower edges of said plates intersecting and extending slightly below a second inclined plane passing through the upper edge of the suction band and the upper edge of a throat side plate to prevent wind and wind driven rain or snow falling within the suction band from entering said throat.

2,601,424
TIE HOLDER
Craig C. Baker, Los Angeles, Calif.
Application September 17, 1949, Serial No. 116,320
1 Claim. (Cl. 24—49)

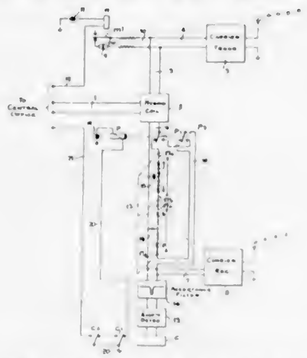


A tie holder of the character described including a rear composite part, a spring clasp on said part for attaching said part to a shirt or other garment behind the tie, a front composite part adapted to be placed in front of the tie in substantial registration with said rear composite part, a permanent magnet in each of said composite parts causing said parts to be strongly attracted towards each other, said magnets being substantially the same shape and size, sharp pointed fingers extending forwardly from said clasp beyond the front face of the magnet on said rear composite part for engagement with the rear face of the rear flap of said tie to guide the placing of said front composite part in position with said magnets in registration and to prevent said rear flap from sliding over said rear composite part, a front facing portion on said front composite part extending over and beyond the edges of the front face of the permanent magnet on said front part, and pins extending rearwardly from said front facing portion and spaced from the magnet on said front composite part for insertion into the front tie flap alone behind said front facing portion on each side of said latter mentioned magnet, the ends of said pins bent downwardly so as to prevent the sliding of said front composite part relatively with respect to said front tie flap, whereby when said composite parts of said holder are in position with a tie between them, both flaps of the tie will be held firmly in said holder and said front facing portion will be the only portion of the holder visible.

2,601,425
SUPERVISORY SIGNALING CIRCUITS FOR CARRIER WAVE COMMUNICATION SYSTEMS AND THE LIKE
Everhard H. B. Bartelink, Bronxville, N. Y., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 16, 1949, Serial No. 116,192
19 Claims. (Cl. 179—84)

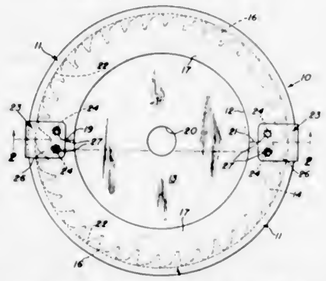
1. In a communication system: a transmission line connected to a hybrid system, said system

having an output circuit connected to a transmitting channel, and having an input circuit connected to a receiving channel; a generator for generating signals at a signaling frequency, and means including a relay for connecting said generator to said transmitting channel; a tuned circuit connected to said receiving channel, said



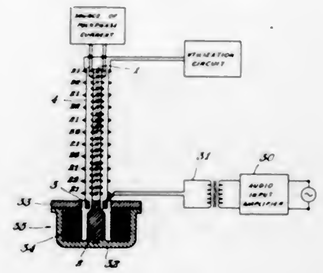
circuit being tuned to pass signals received at a signaling frequency; a transmission network, and switching means connected to said tuned circuit and responsive to reception of said last-mentioned signals, for connecting said network between said hybrid system input circuit and said receiving channel during reception of said last-mentioned signals.

2,601,426
PROTECTIVE DEVICE
Harry P. Baumann, Milwaukee, Wis.
Application September 11, 1947, Serial No. 773,390
7 Claims. (Cl. 206—16)



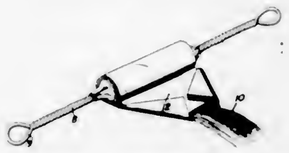
4. A protective and shipping casing for a circular saw blade, comprising a pair of mating semicircular casing sections adapted to be secured together with their ends in abutting relation, each casing section comprising a central semicircular ring segment of deformable material and outer semicircular ring segments on either side of the central segment, all of the segments in each section being rigidly secured together and the inner diameter of the central segment being larger than the inner diameters of the outer segments, whereby the pair of casing sections when assembled in abutting relationship provide an inner annular groove for the reception of the toothed periphery of a saw blade; means adjacent the abutting ends of the casings to receive a securing element; and a securing element cooperating with said last mentioned means to secure said casing sections together.

2,601,427
WAVE LENGTH MODULATOR
Ernest Gordon Beard, Willoughby, New South Wales, Australia, assignor to Hartford National Bank and Trust Company of Hartford, Conn., as trustee
Application January 26, 1949, Serial No. 72,888
In Australia February 5, 1948
4 Claims. (Cl. 332—29)



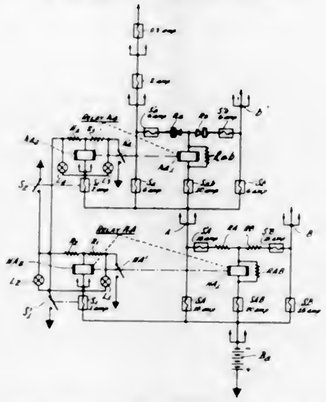
1. A transducer for intelligence and an electrical wave having wavelength modulation proportional to variations in the intensity of said intelligence, comprising a first coil member having a plurality of coaxial coil elements axially arranged in spaced apart relationship and each defining a phase winding, a second coil member concentrically disposed about said first coil member and magnetically coupled to said coil elements and movable relative thereto, a source of polyphase current having a frequency value equal to the frequency value of said electrical wave, means to apply a respective phase of said polyphase current to each of said coaxial coil elements, means to produce relative motion between said first and second coil members in a direction parallel to the axis of said coil elements and in an amount proportional to intensity variations of said intelligence, and an output coupled to said second coil member.

2,601,428
HAIR CURLER
Paul Bonneau, Utica, N. Y.
Application March 28, 1950, Serial No. 152,466
2 Claims. (Cl. 132—36.2)



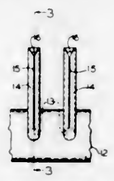
1. A hair curler comprising a perforated envelope of impervious non-soluble material containing a heat generating chemical and rolled to form a cylindrical body, a bendable wire core on which the envelope is rolled to form the body and projecting from each end thereof to provide a pair of bendable ties, and a wrapping of laminated water-proof sheets on which strands of hair are placed and wrapped therewith about the envelope forming the body, the wrappings being held on said envelope by said bendable ties.

2,601,429
FUSE SYSTEM
Robert Bertold Buchner, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 15, 1949, Serial No. 76,504
In the Netherlands April 26, 1948
9 Claims. (Cl. 177—311)



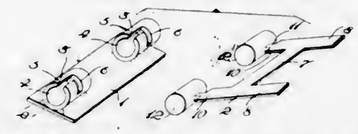
1. In an electric signalling system, a supply line including a main fuse, a voltage source connected to said line, and an alarm circuit coupled to said fuse, said circuit including a relay having an energization winding and a switch actuated thereby, an auxiliary fuse connected in series with said winding across said main fuse whereby in the event said main fuse blows, the voltage is supplied to said line through said auxiliary fuse and said winding, thereby energizing said winding, and means responsive to the actuation of said switch to produce an alarm indication.

2,601,430
DISTRIBUTOR OF THE ROTARY TYPE
Ralph B. Carter, Jr., Maywood, N. J., assignor to Ralph B. Carter Company, Hackensack, N. J., a corporation of New York
Application May 10, 1949, Serial No. 92,375
6 Claims. (Cl. 299—69)



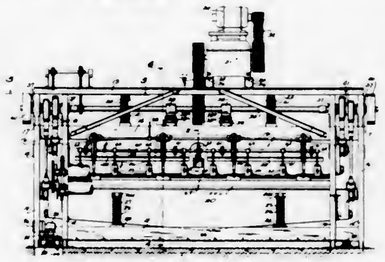
1. In a liquid distributor of the rotary type having a traveling liquid conducting distributing arm with a plurality of longitudinally spaced openings therein, the combination of a plurality of like upright pipes in communication with the interior of said arm through respective longitudinally spaced openings, and including in each upright pipe a weir shaped orifice to discharge a certain predetermined quantity of liquid up to a certain head under which the said distributor operates, and having an enlargement above said orifice to greatly increase the quantities of the discharge at greater heads all of said orifices being adapted to discharge in equal volume at the same time and at the same horizontal levels.

2,601,431
ELECTRIC MOTOR MOUNT
Robert Earl Christie, Glenboro, Manitoba, Canada
Application September 3, 1949, Serial No. 113,974
1 Claim. (Cl. 248—23)



An interchangeable mounting for electric motors and the like comprising in combination a base having a pair of bearing sockets situated in spaced alignment thereon, a detachable floating mount co-acting therewith, said mount including motor supporting structure comprising a pair of spaced, parallel bars, a stem extending from the inboard end of each bar, a bearing secured to each of said stems, said bearings being engageable within said socket, and a circumferential locating slot within the walls of each bearing socket, an open-ended longitudinal slot within the wall of each bearing socket, each longitudinal slot communicating with one end of each circumferential slot, said stems first engaging said longitudinal slots and then said circumferential slots for the purpose herein specified.

2,601,432
FELT PUNCHING MACHINE
Arthur L. Clements, Chicago, Ill., assignor to American Hair & Felt Company, Chicago, Ill., a corporation of Delaware
Application November 12, 1949, Serial No. 126,773
7 Claims. (Cl. 28—4)

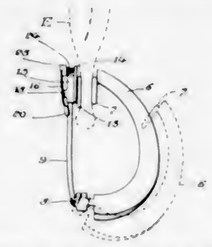


1. In a felt punching machine, the combination of a frame, a needle board carrying power beam, a bolster carrying power beam, oscillatory levers respectively connecting the ends of each power beam to said frame, a drive shaft mounted on said frame and having oppositely disposed eccentric cranks at the ends thereof, connecting rods operatively connecting said cranks to the intermediate portions of said levers, means for adjusting the points of connections of said connecting rods lengthwise of said levers, and means for adjusting said drive shaft relative to said frame in accordance with the adjustment of said rods on said levers to vary the stroke of said power beams relative to each other.

2,601,433
ARTICLE OF JEWELRY
Joseph Cuccioli, Brooklyn, N. Y.
Application December 9, 1949, Serial No. 132,046
1 Claim. (Cl. 63—1)

An article of jewelry including an ornament-carrying member provided with an earlobe-en-

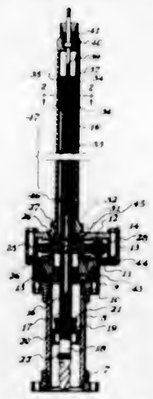
gaging abutment at the rear side thereof, a pair of pins for securing the ornament-carrying member to a garment for use as a brooch, said pins being pivotally connected at one end to the ornament-carrying member to be positioned with their free end portions disposed opposite to the earlobe-engaging abutment on the ornament-carrying member, a spring at the inner ends of said pins urging the pins to said position, and a removable guard comprising a relatively short substantially flat body plate, an earlobe-engaging abutment on the inner side of said plate, a pair of spaced parallel tubular members on the opposite side of said plate, each closed at one end and adapted to receive within the same the free end portion of one of said pins, said plate having an outer end portion projecting beyond the



outer ends of said tubular members, a lever pivotally mounted intermediate its ends on the outer sides of said tubular members, the outer end portion of said lever projecting beyond the outer ends of said tubular members opposite to said outer end portion of said plate, an expansion spring interposed between said outer end portion of the lever and the projecting outer end portion of said plate, the inner end portion of said lever projecting a short distance beyond the inner ends of said tubular members and having means thereon for engaging said pins and retaining the guard on the pins with the earlobe-engaging abutment of the plate disposed opposite to and for cooperation with the earlobe-engaging abutment member of the ornament-carrying member to support the article on the earlobe of the user.

2,601,434
PIPE LINE TAPPING MACHINE
Virgil L. Du Bois, Tulsa, Okla.
Application September 29, 1949, Serial No. 118,601
1 Claim. (Cl. 77—40)

A line tapping drilling machine, said machine comprising an elongated closed casing, means for attaching the lower end of the casing to a pipe line to be drilled, an enlarged gear casing intermediate the ends of the elongated casing, a drill holding quill within the elongated casing and extending through the gear casing in spaced relation to the walls thereof, a worm gear within the gear casing and having a splined connection to the quill, a worm within the gear casing and meshing with the worm gear, means controllable from the outside of the gear casing to rotate the worm and the worm gear, a feed screw cooperating with the upper end of the quill within the elongated casing and forming means whereby said quill may be fed downwardly or upwardly as it is rotated by the worm gear, a feed nut splined within the casing and rotatably connected to the quill, said feed screw being threaded through the feed nut, and bypass ports from the lower end of the casing extending around the worm gear and a further bypass port bypassing one side of the feed nut, said ports forming means whereby pressure from the pipe being drilled will pass upwardly through the casing to



a point above the feed nut thereby balancing the pressure and reducing the amount of power required for rotating the quill.

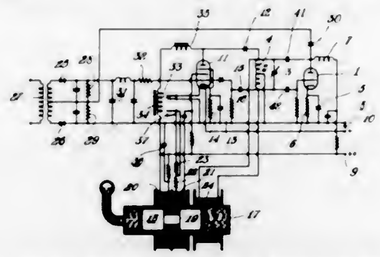
2,601,435
HAIRPIN
Ben Einhorn and Ben Peskin, Los Angeles, Calif.
Application January 13, 1950, Serial No. 138,464
2 Claims. (Cl. 132—50)



1. A hair pin comprising an elongated strip of a resilient sheet material bent medially between its ends to provide an open loop portion, each of the ends of said loop portion having an elongated notch cut out from its side edge, the notch at one end of said loop portion being cut out from the side edge thereof opposite from the side edge of the other end of the loop portion from which the other notch is cut, and an elongated leg portion extending from each of the ends of said loop portion, said leg portions being narrower than said loop portion and disposed in contacting relation throughout their length, the ends of said loop portion being crossed at the points of connection of said leg portions therewith.

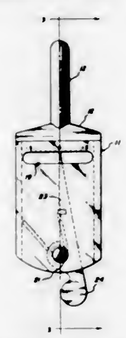
2,601,436
FREQUENCY CONTROL APPARATUS
Eduard Herman Hugenholtz, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, as trustee, Hartford, Conn.
Application February 11, 1949, Serial No. 75,805
In the Netherlands April 17, 1948
13 Claims. (Cl. 250—36)

1. Automatic-frequency-control apparatus for effecting synchronism between the wave produced by an oscillation generator and a source of control oscillations, comprising means to combine said wave and said control oscillations to produce a control voltage which in the condition where the frequencies are in synchronism is unidirectional and in the condition where the frequencies differ is alternating at a rate corresponding to the frequency difference, a first electronic frequency corrector coupled to said generator and responsive to said control voltage to vary the frequency of said generator within a predetermined control range in a direction and



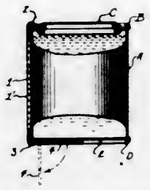
to an extent effecting frequency synchronism between said wave and said control oscillations, a second frequency corrector coupled to said generator to vary the frequency thereof within a control range which is wide relative to said predetermined range, and means activating said second corrector in the absence of synchronism between said control oscillations and said wave to scan the control range thereof periodically.

2,601,437
EDGE FINDING INDICATOR
Theodore B. Hulsaple, Poughkeepsie, N. Y.
Application January 13, 1950, Serial No. 138,431
2 Claims. (Cl. 33—172)



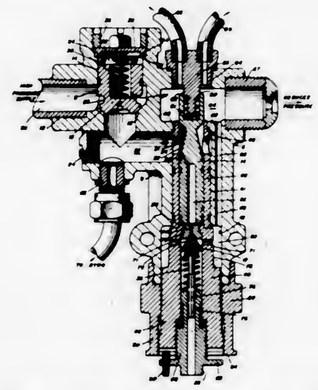
1. An edge locating device comprising a housing having opposing side and end walls, an open bottom wall and closed top wall, supporting means for the housing formed on the top wall, a pivot member transversely mounted between the side walls, a lever pivoted on said member and having an upper pointer terminal swingable between the side walls and positionable at various points relative to the end walls, said side walls having transversely aligned slots horizontally formed therein and exposing the pointer terminal of the lever, a lower feeler terminal formed on the lever and disposed below the walls of the housing and spring means carried by said pivot member for normally urging said pointer terminal into contact with one of the end walls, the pointer terminal being positioned at one end of the slots and being movable relative to the other end in an exposed manner by the feeler terminal in pressure contact with the edge of an object.

2,601,438
PAINT STIRRER ATTACHMENT FOR CANS
Walfred Johnson, Racine, Wis.
Application February 2, 1950, Serial No. 141,868
2 Claims. (Cl. 220—85)



2. In a paint can or the like of the type having top and bottom marginal beads, an attachment therefor serving as a means for mixing and agitating the contents comprising a bendable metallic strip so constructed and arranged as to closely conform to the contour of the can body and to detachably engage over said marginal beads, said metallic strip including a handle having its major portion provided with a strengthening rib and terminating at its upper end in a hook adapted to engage the top bead of the can, a U-shaped portion integral with the lower end of said handle and adapted to engage over the bottom bead, and a paddle blade secured to said U-shaped portion extending transversely of the handle and lying in close proximity to the can bottom, said paddle blade being bendable downwardly to lie in a vertical plane substantially parallel to the vertical plane of said handle whereby upon removal of said attachment from the can the contents thereof may be thoroughly mixed.

2,601,439
FLUID PRESSURE REGULATOR
Horace E. Karig, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application October 8, 1948, Serial No. 53,545
1 Claim. (Cl. 50—11)



In a fluid pressure regulator, an elongate valve body having a low pressure chamber in one end portion provided with a discharge outlet, a high

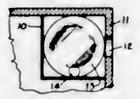
pressure chamber adjacent the low pressure chamber and separated therefrom by a partition, an opening extending longitudinally of the valve body from the opposite end portion thereof through said high pressure chamber and partition into said low pressure chamber, said opening defining a pilot valve chamber in the opposite end portion of said valve body, a reducing valve sleeve fitted in said opening intermediate said end portions and being provided with a lateral aperture admitting fluid from said high pressure chamber, said sleeve terminating at one end in a reducing valve port communicating with said low pressure chamber and at its opposite end in an annular shoulder, a reciprocable reducing valve including a stem portion guided for axial movement within the sleeve and a head portion in the low pressure chamber movable into and out of engagement with said reducing valve port, said stem portion including a circumferential groove adjacent said head portion to receive high pressure fluid entering the sleeve through said aperture and terminating in an end portion adjacent said pilot valve chamber, said stem being provided with a pressure control pocket axially extending into said stem end portion and a constricted passage between said pocket and said groove, a pilot valve sleeve fitted in said pilot valve chamber and terminating in an inner end wall engaging said annular shoulder, said end wall being provided with a restricted orifice constituting the sole passage between said stem pocket and said pilot valve chamber, said pilot valve sleeve being provided with a lateral duct adjacent said inner end wall, and said valve body being provided with a longitudinal duct extending between said low pressure chamber and said lateral duct, a conical pilot valve reciprocably movable in said pilot valve sleeve for controlling fluid flow through said orifice between said pressure control pocket and said low pressure chamber, said pilot valve being responsive to outlet pressure, and springs biasing said pilot valve and said reducing valve toward closed positions whereby said reducing valve opens into said low pressure chamber against the force of its biasing spring responsive to accumulation of a predetermined pressure in said stem pocket and said pilot valve opens upon the transmission of a predetermined outlet pressure from said low pressure chamber into said pilot valve sleeve, said reducing valve sleeve and said pilot valve sleeve end wall forming a dashpot cushioning closing movement of said reducing valve.

2,601,440

IMPACT INDICATOR FOR CONTAINERS

John P. Kerrigan, Merchantville, N. J.

Application December 28, 1949, Serial No. 135,368
12 Claims. (Cl. 116—114)



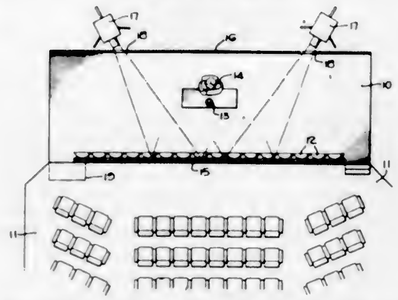
1. An impact indicating mechanism for indicating impacts of greater than a predetermined relatively minor amplitude on a container susceptible to impacts of varying amplitudes with which the mechanism is associated, comprising in combination a mass movable in space and rupturable visual means in relative juxtaposition thereto, under static conditions effecting a predetermined visual effect indicative of the absence of incidence of impact of greater amplitude than a predetermined minor amplitude upon such container, said mass being disposed to maintain the said predetermined visual aspect of the visual means under transitory dynamic impact impulses of predeterminedly minor amplitude but movable under transitory dynamic impact impulses of relatively major amplitude greater than said minor amplitudes to effect rupture of the rupturable visual means to effect a change in the visual aspect thereof indicative of exposure to an impact impulse of said major amplitude.

2,601,441

MEANS FOR BROADCASTING TELEVISION PERFORMANCES

Jean Leonard, Los Angeles, Calif.

Application November 12, 1949, Serial No. 126,765
4 Claims. (Cl. 88—1)



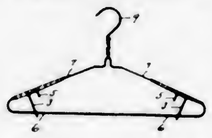
3. Means for use in photographing a performance while being enacted before an audience, comprising: a stage upon which a performer may appear; a back drop for said stage, said back drop having at least one opening formed therein; a partition disposed forwardly of said back drop and normally interposed between said audience and performer, said partition being characterized by being transparent to the audience to enable said audience to directly view a performer therethrough and in having an image-reflecting surface which appears opaque on the side thereof presented to the performer; and camera means at the rear of said back drop focused on said reflecting surface through at least said one opening in said back drop so that the image of the performer appearing on said surface may be reflected to said camera means.

2,601,442

COMBINED CLOTHES HANGER SHOULDER SHIELD AND HOOK

Sterling D. Mallory, Birmingham, Ala.

Application May 2, 1949, Serial No. 90,966
1 Claim. (Cl. 223—88)



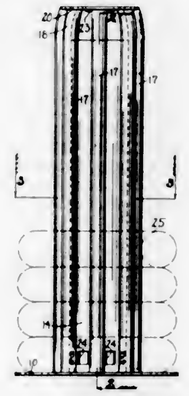
A garment shoulder shield of the character described for use in combination with a wire coat hanger including a cross member comprising; a piece of stiff thin material as its main body, said piece defining a shape approximately the same as the outline of the center section of a pear through and along its major axis, the said body being concave in shape from its surrounding edge toward its center portion, a resilient wire bracket attached to the inner face of the concave portion, said bracket consisting of two comparatively long arms with the end portions thereof formed into opposed outwardly curved portions for yieldably gripping the cross member and having their free ends formed as hooks, said bracket having two integral short arms formed integrally substantially W-shape, the two sets of arms positioned parallel with each other and extending from the inner face of the concave portion, said main body having a slot in its small end.

2,601,443

ANNEALING SPIDER

Ransom G. Miller, III, Stratford, Conn., assignor to The Alfred B. King Company, New Haven, Conn., a corporation of Connecticut

Application January 5, 1950, Serial No. 136,963
9 Claims. (Cl. 263—49)



1. A coil-supporting spider comprising a base plate, a central tubular member secured to and extending upwardly from the base plate, and a plurality of outer tubular members secured in spaced relation to the base plate and to the outer surface of said first tubular member, said outer tubular members having their axes substantially parallel to that of the first member and being in contact with the outer surface thereof, said base plate having an opening registering with that of said central tubular member and additional openings registering respectively with those of the outer tubular members.

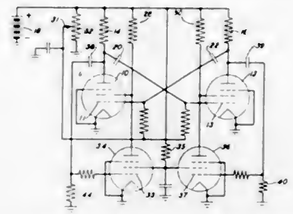
2,601,444

STABILIZED MULTIVIBRATOR OSCILLATOR

Milton E. Mohr, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 12, 1949, Serial No. 121,031
9 Claims. (Cl. 250—36)

1. A stabilized multivibrator type oscillator comprising a first and a second pair of electron discharge devices, each of said devices comprising anode, cathode, control grid and screen grid electrodes, a source of positive potential resistively connected across the anode-cathode electrodes of each of said devices, a capacitive coupling between the anode and electrode of each one and the control grid electrode of each other one of said first pair of devices, grid-leak resistors connected in the control grid cathode circuit of each of said devices, the screen grid electrode of each of said first pair of devices being connected to the anode-electrode of a respective one of said second pair of devices, and a capacitive coupling connecting the anode electrode of each of said first pair of discharge devices and the control grid electrode of the same respective one of said second pair of devices.



2,601,445

ULTRAHIGH-FREQUENCY STRUCTURE

Tomomi Murakami, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application February 2, 1950, Serial No. 142,013
15 Claims. (Cl. 178—44)



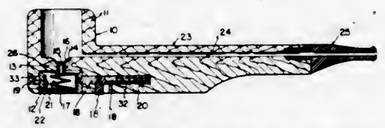
1. A resonant structure tunable within an ultra high frequency range, comprising a pair of tapered conductive members in fixed spaced relation, a pair of conductors arranged in bifilar relation and connected to said tapered members, and a tuning element movable relative to said tapered members and said bifilar conductors, whereby the resonant frequency of said structure is adjustable.

2,601,446

SMOKING PIPE

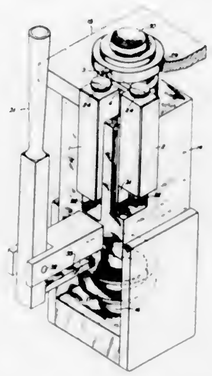
Frederick Myers, Charlestown, Mass.

Application November 24, 1948, Serial No. 61,757
2 Claims. (Cl. 131—202)



1. A smoking pipe comprising in combination, a bowl, a mouthpiece, a stem portion provided with a duct between said bowl and mouthpiece, a removable upwardly-extending open-ended cup disposed beneath said bowl, said bowl having a bore communicating with said cup and the outer periphery of said cup being provided with a groove, a spiral compression spring interposed between said bowl and said cup, said spring urging said cup outwardly, a spring pressed bolt having its outer end in engagement with said groove for locking said cup in operative position against the action of said compression spring and manually actuated means for moving said bolt axially to release said cup.

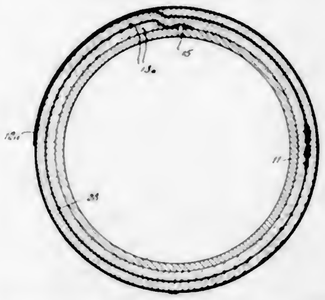
2,601,447
ELECTRONIC CONCENTRICITY AND GROOVE PARALLEL GAUGE
Joseph J. Neff, South Euclid, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application September 11, 1945, Serial No. 615,667
2 Claims. (Cl. 33—174)



1. In an electrical measuring instrument for measuring the concentricity between the groove and the outer peripheral face of a ball bearing outer race and the parallelism between the groove and an end face of the race while being rotated with the balls therein, including a rotatably driven shaft, the upper portion of which is tapered inwardly toward its upper end to receive said balls, spring means for normally urging said shaft upwardly to be snugly engaged by said balls in said race, means for mounting the balls in the race on said shaft, a pair of displacement pickup units each including a pair of pickup coils, a driving coil therebetween and an armature longitudinally slidable in each driving coil, each armature having a stylus, one stylus engaging the outer peripheral face of the race and the other stylus engaging the end face of the race.

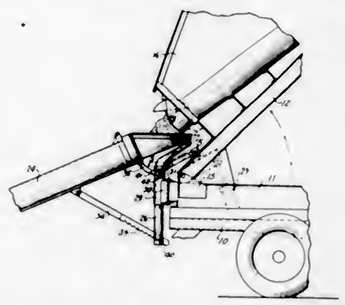
2,601,448
IRONER ROLL COVER
Seth A. T. Newsom, La Grange, Ga., assignor to Callaway Mills Company, La Grange, Ga., a corporation of Georgia
Application August 27, 1949, Serial No. 112,720
5 Claims. (Cl. 29—118)

1. The combination with an ironer roll, of a flexible sheet metal binder strip of a width equal to substantially the length of the roll, means permanently securing one end of the strip to the roll lengthwise thereof, the strip extending around the roll for at least a substantial part of the circumference of the roll, a portion of the strip at the free end thereof being folded back upon itself, a cover strip of flexible fibrous material of a width equal to substantially the length of the roll and a length greater than the circumference of the roll, the cover strip having a portion of one end folded back upon itself, a sheet metal member lying against opposite faces of the folded portion of the cover strip, the member projecting beyond the fold of the cover strip, means passing through the member and the folded portion of the cover strip for securing the member in place, detachable interengaging means, including the projecting portion of the member and the reversely folded portion of the binder strip, for detachably connecting the binder and cover strips, the cover strip being



wrapped about the roll, and a pad wrapped about the roll with the cover strip and extending at least once around the roll, one end of the pad lying in contact with the roll and beneath one of the strips and the pad overlying the detachable means connecting the strips.

2,601,449
CHUTE SUPPORTING MECHANISM
James A. Nicholson, Toledo, Ohio
Application December 22, 1949, Serial No. 134,437
6 Claims. (Cl. 298—7)



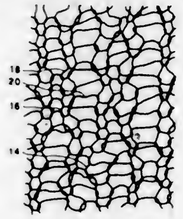
1. In a truck for transporting pourable materials having a chassis, an upper frame pivotally connected to the chassis, means for raising and lowering said upper frame about its pivot, a container located upon the upper frame, a discharge gate in the container above and spaced longitudinally of the truck from said frame pivot, and a chute having a pan for receiving material from the discharge gate, the improvement comprising a chute mounting mechanism including a hinge member pivotally supported upon the truck chassis rearwardly of the frame pivot, means for supporting the chute pan on said hinge member to permit the pan to be swung horizontally into position below the gate to receive the discharge therefrom when the container is in the initial discharge position, and means interconnecting the chute pan with the upper pivoted frame at a point forward of its pivot so that the chute pan and the discharge gate move backwardly and forwardly in unison when the upper frame is moved during discharge.

2,601,450
CUTTING IMPLEMENT HOLDER
Harry O'Neill, Garden City, N. Y.
Application July 31, 1950, Serial No. 176,791
2 Claims. (Cl. 30—332)



1. A cutting implement holder for a blade having a stiffening channel, consisting of two substantially similar side portions, each side portion having a pair of interconnected elongated recesses formed therein and adapted to receive substantially one half the thickness of the stiffening channel and blade portion of a cutting implement with the sets of recesses in each side being aligned with one another, each side portion having formed therein an aperture with a pair of communicating slots disposed on opposing sides of each of said apertures, a pair of shoulders formed contiguous with each of said apertures and with each shoulder being contiguous with each pair of communicating slots, one pair of said shoulders having inclined surfaces on opposing sides of said communicating slots, and adjustment means having portions for engaging said inclined surfaces of one pair of said shoulders to draw together and secure said side portions upon rotation of said adjustment means.

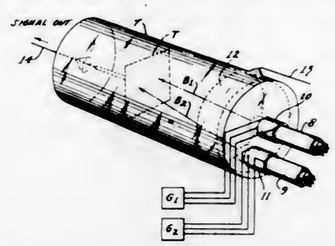
2,601,451
STOCKING AND METHOD OF MAKING THE SAME
Frank R. Page, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application September 22, 1948, Serial No. 50,554
7 Claims. (Cl. 66—178)



1. The method of producing a sheer stocking including knitting a nylon yarn to form a tube, subjecting said tube to heat sufficient to impart a set to the yarn providing permanent crinkles corresponding to the loops of the knitted tube, ravelling said tube, and knitting from said permanently crinkled yarn an area of said stocking.

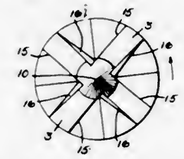
2,601,452
CATHODE-RAY STORAGE TUBE
Louis Pensak, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1946, Serial No. 699,713
7 Claims. (Cl. 315—13)

6. A cathode ray tube comprising, electron gun means for producing a modulated beam of electrons having a velocity above a predetermined value, a second electron gun means for producing a beam of electrons having velocities below said value, a target electrode positioned in the paths of said electron beams, said target electrode including a conducting layer, a layer of insulation on the surface of said conducting



layer, said insulation layer being impervious to electron bombardment from said electron gun, a layer of silica on the surface of said insulation layer, said silica layer having a thickness pervious only to electrons having velocities above said predetermined value.

2,601,453
DRIVING TOOL FOR SOCKET HEAD FASTENERS
Harvey F. Phipard, Jr., South Dartmouth, Mass., assignor to Research Engineering & Manufacturing, Inc., New Bedford, Mass., a corporation of Massachusetts
Application July 21, 1948, Serial No. 39,968
1 Claim. (Cl. 145—50)

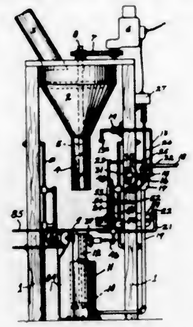


A driving bit of the kind described, having a plurality of alternate ribs and flutes formed on a conical engaging end portion, constructed and arranged to cooperate with the correspondingly contoured socket in the head of a fastener, each rib being formed with one driving thrust face which exerts driving torque perpendicular to the longitudinal axis of the driving bit relatively with the direction of rotation of the bit, the opposite face of said rib being formed with a slanting surface to cooperate with the corresponding bevelled face in the socket to temporarily wedgingly unite the driver and fastener, wherein the driving thrust faces of the ribs are substantially parallel with the longitudinal axis of the driver.

2,601,454
AUTOMATIC PACKING MACHINE
Valley V. Peone, Spokane, Wash.
Application February 24, 1948, Serial No. 10,471
11 Claims. (Cl. 226—25)

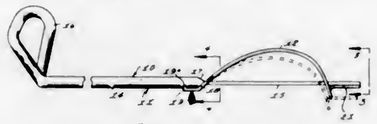
1. In an automatic packing machine having a feeding funnel adapted to receive a manually fitted container, the combination with a fluid pressure operated motor, and a vertically reciprocable table alined with the feeding funnel and operated by the motor, of a master-valve control-

ling the motor, a valve-operating arm, and means movable with the table for co-action with said



arm for stopping the upward movement of the table.

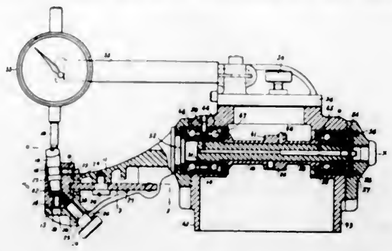
2,601,455
MATCH-HOLDING LIGHTER
Burl W. Porter, Wilmington, Calif.
Application February 18, 1949, Serial No. 77,140
2 Claims. (Cl. 294—99)



1. A match-holding lighter comprising an elongated rod, a bowed resilient member arranged longitudinally of said rod inwardly of and spaced from one end of the latter and having one end remote from said one end of said rod fixedly connected to said rod and being connected adjacent the other end to said rod for sliding longitudinal movement only during assembly of said bowed member with said rod, and a longitudinal extending jaw on the other end of said resilient member and engageable with the portion of said rod intermediate said one end of said rod and the slidable connection of said resilient member with said rod for clamping engagement therewith.

2,601,456
FORMING MEANS FOR PROFILE GRINDING WHEELS
Charles Benjamin Albert Porter, Preston, Yeovil, England, assignor to Harold Stuart Hallewell, Hayes, Middlesex, England
Application May 2, 1949, Serial No. 90,951
In Great Britain May 3, 1948
6 Claims. (Cl. 125—11)

1. Apparatus for dressing a grinding wheel and including a base, a template-holder on said base, a pantograph mechanism comprising a parallelogram of arms pivotally mounted on said base for movement parallel to the template plane, a template-follower on a first of said arms, a dressing-tool holder pivotally mounted on a second of said arms for rocking with respect to said second arm about an axis perpendicular to said plane, a dressing-tool having a shank and a radiused tip, means supporting said dressing tool on said holder with said shank substantially perpendicular to said axis, said supporting means including a first adjusting member for moving said tip in the direction longitudinally of said shank, a second adjusting member operating between said supporting means and said holder for moving said tip transversely both to said axis and also to said direction, and a linear displacement indicator movably mounted on said second



arm and having an actuating member displaceable perpendicularly to said axis, said actuating member having a plane end face perpendicularly to its direction of displacement and engageable by said tip.

2,601,457
GUN ADAPTER
David M. Richey, Devon, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 22, 1944, Serial No. 564,619
2 Claims. (Cl. 89—37.5)

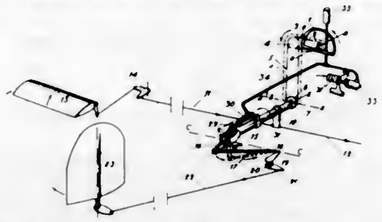


1. A gun adapter for use in combination with a gun having a stationary outer jacket, a recoilable barrel in the jacket, and a fixed support having a partly spherical opening, said gun adapter comprising a partly spherical collar universally mounted in the said opening, a sleeve secured to the jacket having a bearing in which the gun barrel is slidable in recoil, an enlarged external annular portion intermediate the length of the sleeve, a counterbored opening extending through said collar and providing a counterbore shoulder therewithin, said sleeve extending into said counterbore opening and having its said enlarged annular portion in abutting relation with said counterbore shoulder, and means for locking said sleeve to said collar comprising an internally threaded locking ring arranged to extend into the small bore of said collar in threaded engagement with a threaded portion on said sleeve, and an outwardly extending flange on said locking ring thereby held in abutting relation to a wall of said collar oppositely disposed to said counterbore shoulder.

2,601,458
AIRCRAFT CONTROL MECHANISM
Roger Aime Robert, Boulogne-sur-Seine, France
Application December 15, 1945, Serial No. 635,309
In France May 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 15, 1963
11 Claims. (Cl. 244—83)

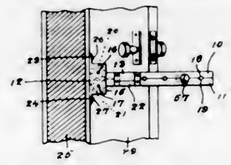
1. In a control system for airplanes: ailerons; a rudder; a control member to operate the ailerons; a mechanical connection between said control member and the ailerons, said mechanical connection including a rotating shaft, coupling

means between the rudder and said rotating shaft, said coupling means comprising a lever, a cross-pin on said lever to articulate it to said shaft, and pedal-controlled means to maintain



part of said lever in the extension of the axis of said rotating shaft so as to render idle the interconnection between the control member and the rudder when the interlocking of the rudder to the ailerons is not desirable.

2,601,459
EXTENDED DOOR LATCH
Howard C. Ross, Washington, D. C.
Application April 12, 1948, Serial No. 20,573
3 Claims. (Cl. 70—93)



1. In a latch for locking a door in a partly open position, the combination which comprises a bracket adapted to be attached to a door frame, a pair of bars having gear segments on one of the ends thereof and notches in the meeting edges, means pivotally mounting the bars on the bracket with the gear segments positioned to mesh and with the notches in the meeting edges of the bars positioned in registering relation, a bolt having a mounting bracket on on end, said bracket of the bolt adapted to be attached to a door of the said door frame with the bolt positioned to selectively extend through the said notches in the meeting edges of the bars, and means locking the bars together.

2,601,460
PROCESS FOR DYEING CELLULOSE ACETATE ARTICLES USING A BATH COMPRISING A DISPERSED ACETATE DYE, ETHYLENE GLYCOL MONOBUTYL ETHER, AND AN EMULSION OF POLYMETHYL VINYL KETONE
Victor S. Salvin, Irvington, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 4, 1949, Serial No. 79,729
2 Claims. (Cl. 8—4)

1. Process for the dyeing of molded articles which comprises immersing molded articles having a basis of cellulose actate in a dyebath comprising a dispersed cellulose acetate dyestuff, a soap, an emulsion of polymethyl vinyl ketone and the monobutyl ether of ethylene glycol, and maintaining the shaped masses therein until dyed to a depth of 100 to 500 microns.

2,601,461
N-[2-METHOXY-3-(α,β-DICARBOXYETHYLMERCAPTOMERCURI)-PROPYL]-o-CARBOXYMETHYLSALICYLAMIDE
Robert S. Shelton, Mariemont, Josselyn L. Farmer, Cincinnati, and Charles H. Tilford, Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application May 20, 1949, Serial No. 94,526
1 Claim. (Cl. 260—434)

N-[2-methoxy-3-(α,β-dicarboxyethylmercaptomercuri)-propyl]-o-carboxymethylsalicylamide.

2,601,462
METHOD FOR ATTACHING CONNECTIONS TO STRANDED CABLES
William James Streader, Portslade, England, assignor to Tate Bros., Portslade, England, a British firm composed of William James Streader and Albert Edward Tate
Application February 27, 1946, Serial No. 650,560
In Great Britain November 3, 1944
1 Claim. (Cl. 29—148)

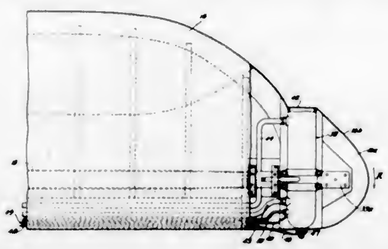


A method of attaching sleeves having eye portions to the core and sheath of a steel cored aluminium sheath cable in which both the core and the sheath are stranded comprising attaching a steel sleeve having an eye portion extending from one end thereof, to an exposed portion of the stranded steel core, positioning an aluminium sleeve having an eye portion extending from one end thereof and offset with respect to the eye portion of the steel sleeve over the attached steel sleeve and over the adjacent portion of the stranded aluminium sheath, with the eye portion of the aluminium sleeve in register with the eye portion of the steel sleeve, wholly surrounding the portion of the aluminium sleeve positioned over the aluminium sheath to confine said portion of the sleeve against radially outward distortion, subjecting the portion of the aluminium sleeve positioned over the aluminium sheath while so surrounded and in a single operation to inwardly directed radial pressure over a part of the external surface thereof extending longitudinally of the aluminium sleeve, to secure the aluminium sleeve to the aluminium sheath, said pressure being limited to that just sufficient to press inwardly from the inner surface of the aluminium sleeve an amount of metal that will fill the gaps between strands of the aluminium sheath opposite the inwardly pressed part so that the length of the aluminium sleeve will remain substantially constant and the eye portions of the steel and aluminium sleeves will remain in register.

2,601,463
JET DRIVEN ROTOR BLADE STRUCTURE
Paul H. Stanley, Huntingdon Valley, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application February 26, 1946, Serial No. 650,213
1 Claim. (Cl. 170—135.4)

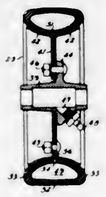
In a rotative winged aircraft, a blade having a primary longitudinal structural element ex-

tended substantially throughout the length of the blade, a jet driving device for the blade positioned adjacent the outer end of the blade being of elongated shape in a direction transverse the axis of said main longitudinal structural element, the jet device being secured to the said structural



element of the blade in the region intermediate the fore and aft ends of the jet device, and the blade further having a rounded tip projecting radially beyond the jet device and connected with the main longitudinal structural element of the blade in association with the jet device.

2,601,464
IMPLEMENT TIRE
Willard H. Tanke, La Crosse, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 16, 1948, Serial No. 15,122
18 Claims. (Cl. 152—327)



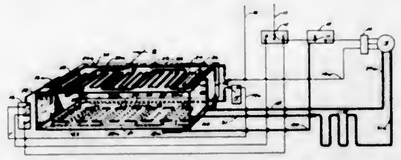
1. In an agricultural implement having a tool carrying rig mounted for vertical floating movement, an improved self-cleaning gauge means carried by said rig and comprising a ground engaging wheel having a rim presenting an outwardly facing concave peripheral surface having a continuously open air passage extending inward therethrough and formed in part by a groove extending centrally, circumferentially of said surface, and a ring-like hollow tube of resilient material having a smooth inner circumferential wall section conforming with and abutting said concave rim surface and having a transverse cross section of generally elliptical shape with its major axis disposed approximately at a right angle with respect to the diameter of said wheel, said inner wall section having an opening therethrough placing the interior of said tube in continuous communication with said groove, and said tube also including similar side wall sections and a tread section having an effective ground engaging width nearly equal to the length of said major axis, said inner and tread sections each having a wall thickness considerably less than the wall thickness of said side sections.

2,601,465
COTTON PICKER'S BAG
Mamie A. Tatom, Greenville, Miss.
Application December 31, 1948, Serial No. 68,509
4 Claims. (Cl. 150—2)



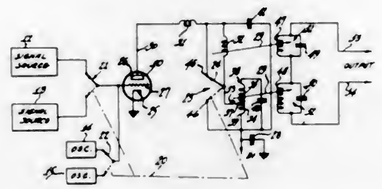
1. In a cotton picker's bag, an elongated body member folded along a transverse crease line to define a pair of side members of equal length, said side members having a pair of their adjacent longitudinal edges secured together, one of said side members having a greater width than that of the other side member, the free longitudinal edge portion of the said one side member being folded over to dispose its edge in spaced parallel relation with respect to the like edge of said other side member, a first slide fastener interconnecting the free longitudinal edges of said members together, and a second slide fastener interconnecting the free end edges of said side members together.

2,601,466
DEFROSTER CIRCUIT
Benjamin D. Thomas, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application June 20, 1950, Serial No. 169,195
2 Claims. (Cl. 62—4)



1. In an electrical refrigerator of the type energized by two supply mains and comprising a compressor motor and an evaporator, a defrosting device comprising, in combination: a connection from one supply main to said motor, an electric heater disposed adjacent said evaporator, a connection from said one supply main to said heater, a timing device, a first single-pole, double-throw circuit selector having a movable contact connected to the other supply line, said first selector being actuated by said timer to stop the motor by circuit breaking and to energize the heater by circuit making when defrosting is initiated, said selector including a first fixed contact in circuit with said motor and a second fixed contact, a thermostat disposed adjacent to said evaporator, a second single-pole, double-throw circuit selector having a movable contact connected to said second fixed contact, said second selector being actuated by said thermostat to de-energize the heater by circuit breaking to restart said motor by circuit making when defrosting is completed, said second selector including a third fixed contact in circuit with said heater and a fourth fixed contact in a conductive path with said first fixed contact, and means coupling the first circuit selector to said timer for reactuation by said timer to assure restarting of said motor by circuit making and de-energizing of the heater by circuit breaking at the end of a predetermined interval.

2,601,467
TRIODE MIXER CONSTRUCTION
Alton John Torre, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1948, Serial No. 47,075
5 Claims. (Cl. 250—20)



1. In a dual frequency mixer network for producing frequency-converted signals in two separated frequency channels; a triode mixer having a control electrode and output electrodes, a source of mixer waves connected to said control electrode, utilizing structure for said converted signals, means electrically coupling said output electrodes and said utilizing structure including resonant circuit elements providing first and second parallel resonant circuits, each of said circuits being tuned to present a high impedance to said converted signals in a different one of said frequency channels, said first parallel resonant circuit having an inductive branch and a capacitive branch connected between said output electrodes, said second parallel circuit including an inductor and a capacitor, a portion of said inductor being connected between said output electrodes and the remainder of said inductor being in series with said capacitor, the said capacitor and remainder of said inductor being connected in shunt with said portion of said inductor whereby said portion of said inductor provides an inductive load for said triode mixer at signal wave frequency for one of said frequency channels to increase the gain of said triode mixer, and selector structure operative to short-circuit said inductive branch of the first circuit and said portion of said inductor of the second circuit selectively, whereby said circuits are selectively operable in connection with said output electrodes and said network is conditioned for dual channel signal response.

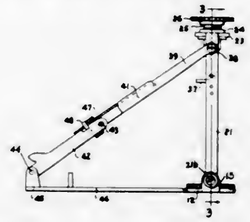
2,601,468
PROCESS OF STABILIZING CALCIUM LITHOL TONERS
Volney Tullsen, Westfield, and Frederick Ludwig Pfeiffer, Chatham, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 27, 1949, Serial No. 118,178
4 Claims. (Cl. 260—33.4)

1. A process of transforming an unstable calcium lithol toner into a stable form which comprises heating the toner in an oxygen-containing organic liquid selected from the group consisting of mono-, di- and tri-ethylene glycols and dioxane at a temperature ranging from about 50° C. to about 200° C. and for a time period ranging from about 10 minutes to about 70 hours, until transformation into the stable form is substantially complete.

2,601,469
PROCESS OF STABILIZING CALCIUM LITHOL TONERS
Volney Tullsen, Westfield, and Frederick L. Pfeiffer, Chatham, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 30, 1950, Serial No. 187,835
1 Claim. (Cl. 260—195)

A process of transforming an unstable calcium lithol toner into a stable form which comprises heating the toner in formamide at a temperature ranging from slightly above room temperature to below the decomposition point of the toner until transformation into the stable form is substantially complete.

2,601,470
CIRCUMCISION CLAMP
John J. Turner, Highland Park, Mich.
Continuation of application Serial No. 727,013, February 7, 1947. This application October 29, 1949, Serial No. 124,352
9 Claims. (Cl. 128—346)

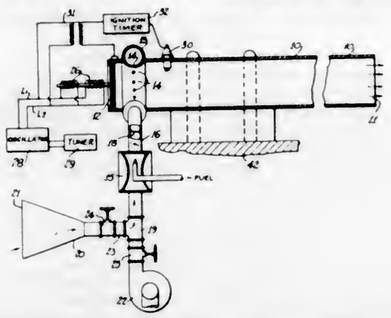


1. A device of the class described comprising: a base having an opening extended therethrough; legs pivotally mounted at one of their ends to said base in diametrically opposed relation to said opening, the opposite ends of said legs being joined by a cross head; a rod having a head adapted for seating over said opening for clamping thereagainst the foreskin of a person drawn onto said rod; rotatable means carried by said cross head for engagement with said rod for exerting pressure on said rod longitudinally thereof for pressing said head towards said opening; locking means carried by said legs for locking said rod against rotation; and toggle links connected between said base and said legs adjacent said cross head and pivotally connected together for moving into alignment for effecting a swinging of said legs into axial alignment with said opening.

2,601,471
JET PROPULSION MEANS HAVING VIBRATOR THEREIN
Alfred Vang, New York, N. Y.
Substituted for application Serial No. 615,717, September 12, 1945. This application May 22, 1947, Serial No. 749,641
2 Claims. (Cl. 60—35.6)

1. In combination, an elongated pipe open at the rear or outer end thereof, a vibrator substantially closing the forward end of the pipe, jet means providing a jet near the forward end of the pipe and near said vibrator and into the pipe, a carburetor, a conduit means for conducting an air-fuel mixture from the carburetor to the jet means, solenoid means for actuating said vibrator and a source of oscillating current connected

thereto, a spark plug within the pipe and having a spark gap at the rear of said jets, a source of timed ignition current connected to said plug, said pipe being provided with longitudinal slots, a transversely curved cover strip disposed substantially gastight against the inner face of the pipe

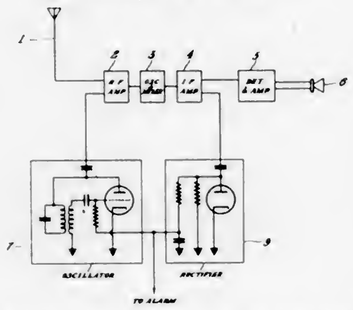


and covering said slots, said cover strip being longitudinally slidable with respect to the pipe, the spark plug passing through one of the slots and passing gastight through the strip, screw means for longitudinally sliding the strip along with the pipe, whereby the spark plug may be moved toward or away from the vibrator.

2,601,472
SUPERHETERODYNE RADIO-RECEIVING SET

Adelbert van Weel, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application March 26, 1948, Serial No. 17,158
In the Netherlands April 8, 1947
2 Claims. (Cl. 250—20)

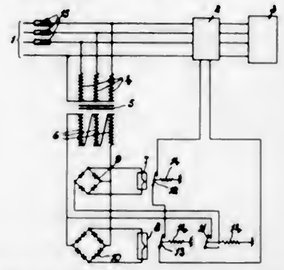


1. A superheterodyne receiver for actuating an element for indicating continuity of the transmission path of the receiver, comprising input means for an input signal wave, means to convert the signal wave into an intermediate frequency signal wave, an oscillator for producing a generated wave having a frequency substantially equal to said input signal wave, means to couple the oscillator to said input means thereby to apply said generated wave to said input means, means coupled to said transmission path and responsive to an intermediate frequency signal wave having an amplitude greater than a given value to de-energize said oscillator, and means coupled to said transmission path to actuate said indicating element in the absence of an intermediate frequency wave.

2,601,473
SUPERVISORY DEVICE BOTH FOR COMPARATIVELY SMALL AND COMPARATIVELY LARGE VOLTAGE VARIATIONS

Charles Louis van Weynsbergen, Hilversum, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application February 21, 1951, Serial No. 212,144
In the Netherlands March 21, 1950
4 Claims. (Cl. 175—294)



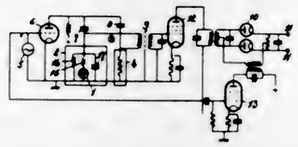
4. Apparatus for disconnecting an electrical load from a three phase voltage source subject to voltage variation when the voltage of said source varies beyond a predetermined amount comprising a first electromagnetic relay including an energizing winding and contacts actuated thereby, a second electromagnetic relay including an energizing winding and contacts actuated thereby, three single phase transformers whose primary windings are adapted to be star connected to the three phase voltage source and whose secondary windings are connected in series, means for coupling the energizing windings of both relays in parallel relation to the serially-connected secondary windings, the energizing winding of said first relay having a predetermined sensitivity at which this winding is energized upon occurrence of a relatively small variation in source voltage, the energizing winding of said second relay having a predetermined sensitivity at which this winding is energized upon occurrence of a relatively large variation in source voltage, means interposing contacts of said second relay between the energizing windings of said first relay and said source to effect de-energization of said first relay upon energization of said second relay, means including contacts of both relays for disconnecting said load from said source under given energization conditions of said relays.

2,601,474
BRIDGE-TYPE TRANSDUCER CIRCUIT WITH OSCILLATOR

Johannes Jacobus Zaalberg van Zelst, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application January 5, 1950, Serial No. 136,875
In the Netherlands January 12, 1949
6 Claims. (Cl. 179—100.1)

1. A transducer circuit arrangement, comprising a source of auxiliary oscillations having a given frequency, a bridge circuit having input and output portions and comprising a transducer branch and a comparison branch, said transducer branch comprising a series resonant circuit having a given loss resistance value and including a variable reactance element and being tuned substantially to said given frequency, said transducer branch having given amplitude and phase characteristics at frequencies in proximity to said given frequency, said comparison branch comprising a resistance element having a resistance value of the same order of magnitude as said given loss resistance value and having amplitude and phase characteristics in proximity to said given frequency substantially

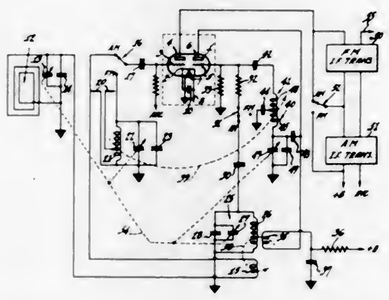


similar to said given amplitude and phase characteristics, means to apply said auxiliary oscillations to the input of said bridge circuit, means to vary the reactance of said variable reactance element to produce thereby a modulated oscillation at the output of said bridge circuit, and means coupled to said bridge circuit to detect said modulated oscillation.

2,601,475
FREQUENCY CONVERTER FOR AM-FM RECEIVERS

Benjamin S. Vilkomerson, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 28, 1948, Serial No. 46,594
8 Claims. (Cl. 250—20)

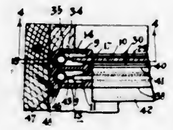


1. In a multiband superheterodyne receiver, a twin triode having a single cathode, a first and a second anode, a first and a second control grid, said single cathode being connected to a point of common reference potential, a low-frequency resonant tank circuit, switching means for selectively connecting said low-frequency tank circuit between said first anode and said first control grid, a high-frequency resonant tank circuit permanently coupled between said first anode and said first control grid, a first means including a capacitor having a large value relative to the grid-to-cathode capacitance of said second grid and said cathode and an inductance element comprising a circuit resonant at a frequency below the resonant frequency of said low-frequency resonant tank circuit selectively connected in series arrangement between said point of common reference potential and said second control grid, for impressing a modulated carrier wave within a low-frequency range on said second grid, second means adapted to be connected to said second grid for impressing a modulated carrier wave within a high-frequency range on said second control grid, said inductance element being inductively coupled to said low-frequency tank circuit and providing in conjunction with the relatively small grid-to-cathode capacitance of said second control grid and said cathode a highly effective coupling between said low-frequency resonant tank circuit and said second control grid and in conjunction with said capacitor to minimize the coupling between said low-frequency resonant tank circuit and said first means, and an output circuit coupled to said second anode.

2,601,476
WINDOW

Alan Weatherstone, Oakville, Ontario, Canada

Application February 25, 1948, Serial No. 10,800
2 Claims. (Cl. 20—52)



1. In a window installation of the character described, a window frame, panel guides arranged at opposite sides of said window frame, each panel guide being provided with outer, inner and intermediate walls constituting the side walls of inner and outer vertically extending guideways, said walls being spaced apart at their inner edges and joined together at their outer edges by a wall structure constituting the bottom walls of said guideways, said intermediate wall being formed with a relatively thick inner edge portion projecting laterally beyond opposite sides of the remaining thinner portion of said intermediate wall and presenting laterally projecting fulcrum ribs at its outer corners, a weatherstripping element secured to and straddling said head with side portions of the weatherstripping element bearing against and extending on both sides of said ribs and outwardly beyond said ribs and into said guideways, inner and outer glazing panels slidably fitted in the inner and outer guideways of said panel guides in sliding contact with side portions of said weatherstripping element whereby the distance between side portions can be varied along the length of said weatherstripping by application of pressure on said weatherstripping adjacent the outer side of said rib to decrease said distance, and on the inner side of said rib to increase said distance, so that the effective pressure of the weatherstripping varies at different points along its length to counterbalance varying forces acting on said panels.

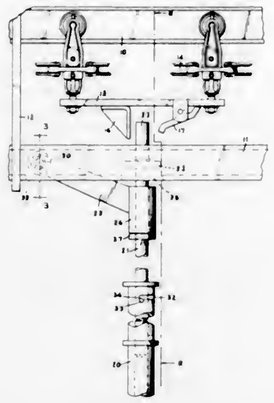
2,601,477
FLOOR TRUCK OVERHEAD CONVEYER DRIVE

Jervis B. Webb, Bloomfield Hills, and Edward W. McCaul, Birmingham, Mich., assignors to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan

Application August 14, 1948, Serial No. 44,326
8 Claims. (Cl. 104—171)

1. A mast propelled floor truck conveyor system comprising an overhead power conveyor, a guide track below said power conveyor, a floor

truck, and an upwardly extending mast rigidly associated with said floor truck, said mast being



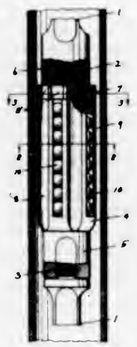
adapted at its upper end to pass through said guide track and to engage said power conveyor.

2,601,478

SUCKER ROD GUIDE

Charlie T. Weir, Refugio, Tex.

Application July 16, 1946, Serial No. 683,898
2 Claims. (Cl. 308—6)



1. A sucker rod guide comprising, a coupling, means at the ends of the coupling providing for the connection of sucker rod sections thereto, said coupling having external longitudinal ball races spaced apart therearound and having continuous longitudinal grooves from end to end thereof between the races, bearing balls in the races which extend out beyond the periphery of the coupling adapted to make contact with a pump tubing during the reciprocation of the sucker rod and to hold the rod substantially centered relative to the tubing, a retainer on one end of the coupling for retaining the bearing balls in the races, said retainer having external longitudinal grooves corresponding to the grooves in the coupling and adapted to be brought into alignment therewith to provide continuous passages for the flow of fluid past the coupling.

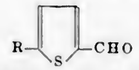
2,601,479

THIOPHENE AND HALOTHIOPHENE-CARBOXALDEHYDES

Arthur W. Weston, Waukegan, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application May 12, 1949, Serial No. 92,961
4 Claims. (Cl. 260—329)

1. The process of producing a compound of the formula



where R is a member selected from the class consisting of hydrogen and halogen, which comprises reacting a compound of the formula



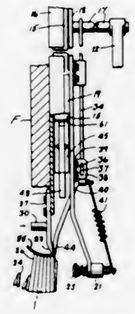
where R is a member selected from the class consisting of hydrogen and halogen, with N-lower alkyl formanilide in the presence of a condensing agent.

2,601,480

BAG OPENING AND SPREADING MECHANISM

Victor George Williams, Toronto, Ontario, Canada, assignor, by mesne assignments, to Delamere & Williams Company, Limited, Toronto, Ontario, Canada

Application July 13, 1948, Serial No. 38,377
5 Claims. (Cl. 226—49)



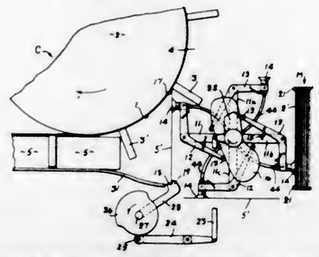
1. Opening means for a bag having opposed panels comprising, a fixed stop element adapted to engage the inner face of one of said panels as a bag is fed laterally thereto, means for feeding and guiding bags to said stop, a pivotally supported finger having its free end adjacent said stop element and directed generally inwardly of said bag, the pivotal support for said finger being mounted for limited sliding movement relative to said stop in a direction to project said finger inwardly of said bag between said panels, spring means urging said pivotal support in said direction, and a member movable from a retracted position to a position in said bag between said stop and said finger to thereby swing said finger about its pivot and move said panels apart, said movable member having a portion movable therewith and connected to said pivotal support by a lost-motion means to hold said finger out of said bag against the action of said spring while said movable member is in said retracted position.

2,601,481

MEANS FOR OPENING AND LOADING CARTON BLANKS ON THE CONVEYER OF A PACKAGING MACHINE

Victor George Williams, Toronto, Ontario, Canada, assignor, by mesne assignments, to Delamere & Williams Company Limited, Toronto, Ontario, Canada

Application February 28, 1949, Serial No. 78,788
6 Claims. (Cl. 93—53)



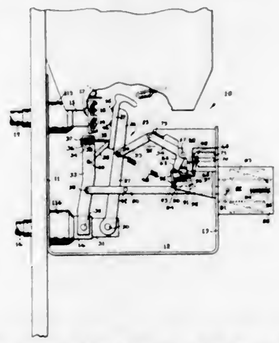
1. Mechanism for transferring cartons from a magazine to a conveyor having fins including a column; a bell crank pivotally carried thereby; a cam associated with the column; carton seizing means carried at one end of the bell crank and a cam-follower at the other end in engagement with the said cam; means for moving the said column to present the seizing means to one of the cartons in the magazine and thence to transport the said carton to the conveyor during which transportation the said cam follower and bell crank are guided by the said cam to rotate the carton from time to time whereby to avoid obstacles in its path and to position it in intercepting relation to one of the conveyor fins, and a member adapted to cooperate with the said fin in the engagement and opening of the carton and, coincidentally, to wedge the carton between two adjacent fins.

2,601,482

CIRCUIT BREAKER-BLOW OPEN, BLOW CLOSED CONTACTS

Joseph D. Wood, Upper Darby, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 20, 1947, Serial No. 735,907
5 Claims. (Cl. 200—106)



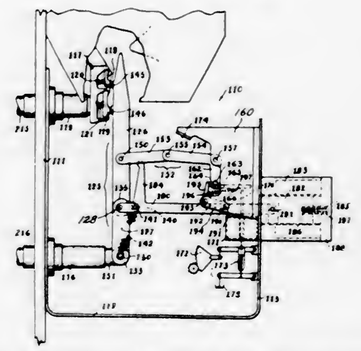
1. In a circuit breaker for protecting an electrical circuit, said circuit breaker having a first pair of cooperable contacts, one of said contacts being movable into and out of contact engagement with the other of said contacts, a first pivoted arm for carrying said movable contact in a predetermined direction for effecting disengagement of said contacts, a latch connected to said first arm for holding said contacts in engagement, a trip mechanism constructed to be responsive to fault currents in the circuit to be protected by said circuit breaker for tripping said latch, biasing means for operating said arm to move said contacts to disengaged position in response to the tripping of said latch, a second pair of cooperable contacts, a second pivoted conducting arm carrying one of said second pairs of contacts for effecting engagement of said second pair of cooperable contacts, said second pair of cooperable contacts and said second arm with said first mentioned pair of cooperable contacts being connectible to said circuit to form a loop conducting circuit said second arm being movable within said loop, a contact closing mechanism connected to said second arm for operating said arm within said loop in the same direction as said predetermined direction of movement of said first arm to effect contact engagement of said second pair of cooperable contacts, a latch for said contact closing mechanism and operable after engagement of said second pair of cooperable contacts for latching said contact closing mechanism in position, the electro-magnetic forces in said loop circuit in response to a fault current being in a direction to drive said first arm in said predetermined direction to effect disengagement of said first cooperable contacts and the electro-magnetic forces in said loop circuit due to fault current operating said second arm in said same predetermined direction for effecting tight contact engagement between said second pair of cooperable contacts during circuit closing operation.

2,601,483

BLOW OPEN, BLOW CLOSED CIRCUIT BREAKER SYSTEM

Joseph D. Wood, Strafford Village, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania

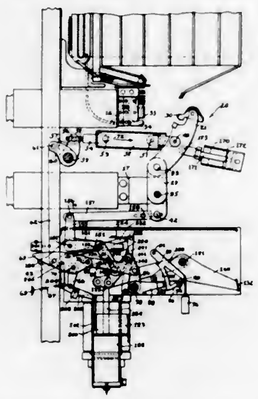
Original application March 16, 1948, Serial No. 15,183. Divided and this application October 27, 1948, Serial No. 56,755
9 Claims. (Cl. 200—97)



3. In a circuit interrupter for connection in an electric circuit, a movable arm carrying a contact, a cooperating contact, means for operating said movable arm to effect engagement between the contact carried thereby and said co-

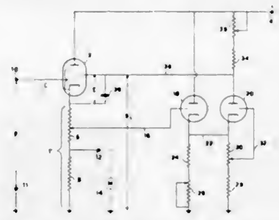
operating contact, a first pivot, said movable arm being mounted on said pivot for movement about said pivot, the distance from said pivot to the contact carried on said movable arm being less than the distance from said pivot to the end of said arm opposite said contact carried by said arm, said arm and its contact and cooperating contact forming with the electric circuit in which said interrupter is connected a loop circuit, means for operating said movable arm about said first pivot to effect engagement of said contacts, a second pivot, electromagnetic means responsive to the electrical conditions in said circuit, means controlled by said electromagnet for operating said movable arm about said second pivot for effecting disengagement of said contacts, time delay mechanism associated with said last mentioned means for effecting delay in the disengagement of said contacts.

2,601,484
BLOW OPEN, BLOW CLOSED CIRCUIT BREAKER
Joseph D. Wood, Strafford Village, Teddyffrin Township, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 16, 1949, Serial No. 127,562
26 Claims. (Cl. 200—98)



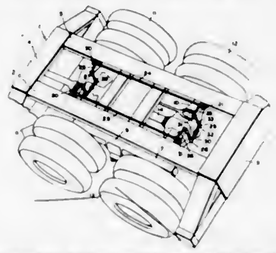
2. In a circuit breaker having a movable contact arm carrying a movable contact and a cooperating contact for said movable contact latching mechanism connected to said movable arm and for latching said movable contact in contact engagement with said cooperating contact, current responsive means responsive to fault currents in the circuit to be protected by said circuit breaker for releasing said latching mechanism to permit disengagement of said movable and cooperating contacts, time delay mechanism for delaying the operation by said current responsive means, a closing mechanism connected to said movable arm for operating said movable arm to latching engagement with its cooperating contact and a construction on said movable arm including its connection to said closing mechanism and its connections to said tripping mechanism operative in the interval of operation of said closing mechanism before latching engagement has been achieved for setting up magnetic forces, due to currents flowing in said circuit breaker, in a direction assisting said closing mechanism in driving said contacts into engagement.

2,601,485
CIRCUIT HAVING HIGH INPUT IMPEDANCE AND LINEAR RESPONSE
Edward W. Yetter, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application November 27, 1948, Serial No. 62,383
2 Claims. (Cl. 179—171)



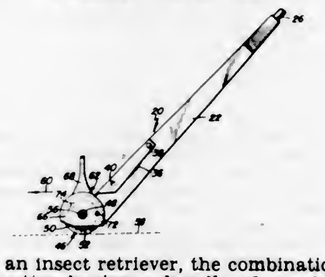
1. In combination, a pair of input terminals, a thermionic vacuum tube having a control grid connected to one of said input terminals, and having an anode, a cathode, and a screen, a cathode resistance connecting said cathode with the second of said input terminals, and a vacuum tube amplifier having an input connected across at least part of said cathode resistance and having a variable output connected to said screen, said amplifier being of differential type and comprising a first thermionic vacuum tube having an anode, a control grid connected to one terminal of the amplifier input, and a cathode, and a second thermionic vacuum tube having a cathode connected to the cathode of the last mentioned tube and through means providing a resistance to the other terminal of the amplifier input, having a control grid maintained at a potential approximating, but less than, that of said connected cathodes, and having an anode connected to an anode load resistance and to the screen of the first mentioned tube, the amplifier being constructed and arranged to maintain substantially constant the grid-anode transconductance of the first mentioned tube despite changes of input to said input terminals.

2,601,486
PRELOADING OF BOGIES FOR MOTOR CRANES AND THE LIKE
Roy H. Zellman and Martin L. Sheetz, Elyria, Ohio, assignors to The Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application June 16, 1948, Serial No. 33,308
8 Claims. (Cl. 280—104.5)



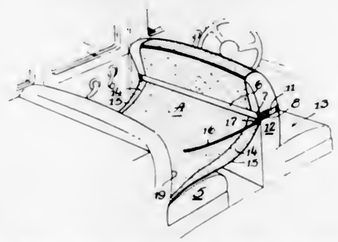
1. The combination with a vehicle frame and a plural axle bogie suspended therefrom, of a preloading mechanism interconnecting said frame and bogie and operative to exert upward force on one axle and downward force on another axle, said mechanism comprising a torsion spring bar journalled in said frame, spaced levers non-rotatable on said bar, and links connecting one lever with one axle and another lever with another axle, at least one of said links comprising an extensible hydraulic cylinder assemblage operative when actuated to predeterminately twist said bar.

2,601,487
INSECT RETRIEVER
Frank W. Zilinsky, Downey, Calif.
Application January 23, 1950, Serial No. 140,085
6 Claims. (Cl. 43—137)



1. In an insect retriever, the combination with a fly swatter having a handle of an elongated housing affording a receptacle having a forward attaching portion for receiving said handle, a rear open end portion, a partition disposed between said attaching portion and said open end portion, a rotatable brush mounted in said rear open end portion of said housing and having resilient bristles for engaging and delivering an insect into said receptacle, a brush cleaning member provided in the receptacle and engaging said bristles, and a pivoted closure provided for the open end portion of said housing, said closure being adapted to swing under said brush member.

2,601,488
AUTO BED
Paul E. Allen, Skokie, Ill.
Application October 3, 1947, Serial No. 777,792
3 Claims. (Cl. 5—94)



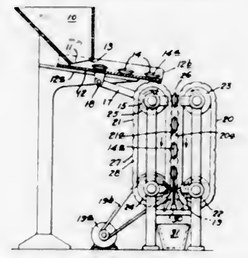
3. An auto bed comprising a fabric supporting surface adapted to extend from the rear of the rear seat to the front seat and across the space between the opposite sides of the interior of the automobile to provide a comfortable bed for a child or other occupant, means at the opposite ends of the supporting surface for securely anchoring said ends to support the weight of an occupant, the supporting surface at one side thereof being slit to provide an opening providing space for an occupant to be seated in the rear seat, and means for closing the opening to provide a continuous bed.

2,601,489
FIREPLACE SCREEN
Joseph H. Babros and Joseph Komada, Los Angeles, Calif.
Application February 20, 1950, Serial No. 145,216
2 Claims. (Cl. 160—126)



1. A fireplace screen comprising a frame having sides and a connecting top, one of said sides having apertures therein, channels secured to the under side of the top adjacent the center thereof in spaced parallel relationship to each other, rod supports secured to the channels and extending downwardly therebeneath, rods secured to the sides and extending towards each other beneath the top and having their inner ends disposed in overlapping relationship and supported by their respective rod supports, parallel channels secured to the under side of the top adjacent one end thereof leading toward the apertures in said one side, a pulley mounted for rotation on the under side of the top adjacent that end which is remote from the last-mentioned channels, a chain trained over the pulley and having reaches extending through the channels and through the mentioned apertures, and curtains slidably mounted on the rods and connected to the reaches respectively so as to be capable of being simultaneously opened or closed thereby.

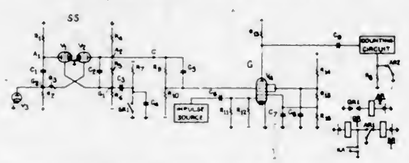
2,601,490
APPARATUS FOR SPLITTING ALMONDS
David R. Bailey, Sacramento, Calif.
Application June 1, 1948, Serial No. 30,278
1 Claim. (Cl. 146—72)



A device of the character described comprising a pair of relatively spaced longitudinally movable resilient conveyor belts having fixed parallel substantially planar opposed faces, means at one end of the belts for feeding almonds, a vibrated shaker plate interposed between the feed means and belts and adapted for receiving almonds from the feed means, means for vibrating the shaker plate whereby almonds are fed at one end portion of the belts adjacent one end of the space between the belts, a fixedly mounted cutting knife adjacent the opposite discharge end of the belts and having its cutting edge in a plane centrally spaced between and substantially parallel to the belt faces, and rotated rollers at the opposite ends of each belt, the rollers of one belt being rotatable clockwise and the rollers of the other belt being rotatable counterclockwise whereby the opposed belt faces move simultaneously in the same direction, said knife having

its cutting edge transversely perpendicular relative to the length of the belts and extending across the entire face of the belts substantially at the plane through the axes of the adjacent rollers at the discharge end of the belts, whereby said cutting edge is positioned closely adjacent the most nearly opposed diameters of said rollers and a space of progressively increasing width is provided on each side of the knife for discharge of the split sections of almonds between each side of the knife and the adjacent divergent face portions of the belt moving around the circumference of the rollers.

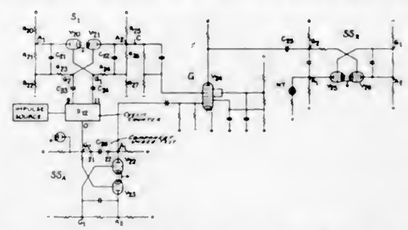
2,601,491
MEASURING ARRANGEMENTS
George Thomas Baker, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Application January 7, 1949, Serial No. 69,690
In Great Britain January 30, 1948
3 Claims. (Cl. 175—183)



2. Circuit arrangements for indicating the values of resistors and capacitors comprising a single-shot multivibrator, a capacitor connected between the anode of the normally non-conducting tube and the control grid of the normally conducting tube, a charging circuit for said capacitor effective in the normal condition of said multivibrator, a discharging circuit for said capacitor, including a resistor, either of said resistor and capacitor being the component whose value is required, a gate circuit, an impulse source feeding said gate circuit, an electronic counter, switching means for changing the condition of said multivibrator circuit to render said capacitor discharge circuit effective and simultaneously to open said gate circuit to enable pulses from said source to operate said counter and means for restoring said multivibrator circuit to its initial condition when the voltage across said condenser reaches a predetermined value to close said gate circuit.

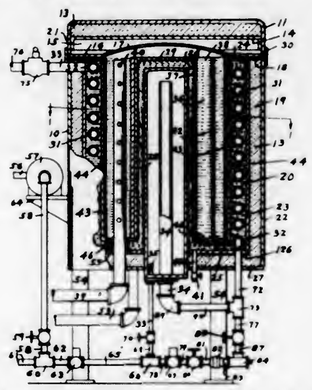
2,601,492
MEASURING ARRANGEMENTS
George Thomas Baker, Liverpool, England, assignor to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Original application January 7, 1949, Serial No. 69,690. Divided and this application June 19, 1950, Serial No. 168,995. In Great Britain January 30, 1948
9 Claims. (Cl. 175—183)

2. Circuit arrangements for testing resistors and capacitors and for indicating whether the value of the component under test is between upper and lower limiting tolerance values comprising a time-constant circuit including a combination of resistor and capacitor elements, one of which elements constitutes the component under test, means for generating a start signal, means for generating a first pulse a predeterminable time after said start signal to establish the lower of the two limiting values, means for generating a second pulse at a different predeterminable time after said start signal to establish the upper of the two limiting values, means including said resistor and capacitor combination for generating at a time subsequent to the generation of said start signal a third pulse which is indicative of the value of the component under



test, a normally closed gate circuit, means for opening said gate circuit in response to the generation of said first pulse, means for closing said gate circuit in response to said second pulse, means for applying said third pulse to said gate circuit and indicating means connected to said gate circuit and operated in response to the application of said third pulse to said gate circuit while said gate circuit is open.

2,601,493
COOLER AND CARBONATOR
John L. Barr, Baltimore, Md.
Application August 28, 1948, Serial No. 46,572
3 Claims. (Cl. 257—242)



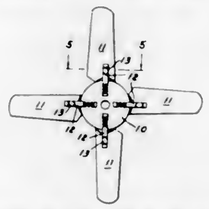
3. A heat exchanger for beverages comprising an outer casing, a cylinder within said casing and spaced therefrom, insulating means between said cylinder and casing, a centrally perforated bottom plate for said casing, said casing having an open upper end, a shell within said cylinder and spaced therefrom, a coiled pipe in the space between the cylinder and shell for receiving a cooling medium, a second shell in said casing inwardly spaced from the first shell, baffle means between said shells, an inner cylinder in the casing spaced inwardly of the second mentioned shell and extending within the perforation in the aforesaid bottom plate, means for supplying a cooling medium to the coiled pipe and inner cylinder and for withdrawing it therefrom, and means for supplying a beverage to the space between the shells and for withdrawing it therefrom.

2,601,494
EJECTOR MECHANISM FOR AUTOMATIC BAR FEEDS
Gerhard H. J. Baule, Syracuse, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York
Application June 19, 1947, Serial No. 755,615
1 Claim. (Cl. 29—59)



A mechanism for feeding step by step bar stock through the collet of a metal working machine to the tools thereof, said mechanism comprising a bar feed pusher and a socketed head spaced axially from the pusher and having an axial bore, a loaded compression spring between the pusher and the head, and an ejector rod carried by the pusher and normally movable as a unit therewith and slidable axially through the axial bore of the head into the socket thereof to engage the end of the bar seated in the socket and acting to eject the remnant of the bar when the pusher is actuated after the head has been fed against the collet.

2,601,495
SELF-FEATHERING FAN
Samuel D. Bell, Keego Harbor, Mich.
Application July 17, 1950, Serial No. 174,177
3 Claims. (Cl. 170—160.11)



1. In a cooling fan, a rotatable hub, a vane extending outwardly from the hub and rotatable as a unit with the hub, a bushing secured to the hub with its axis extending generally radially with respect to the hub axis, a second bushing secured to the vane in alignment with the first bushing, a pivot pin extending through said bushings and having stops at opposite ends, the adjacent ends of the bushings having engaging surfaces inclined relative to the axis of the pivot pin in directions to move the vane outwardly along said pin in response to the forces acting on the vane as a result of rotation of the hub, and a spring surrounding the pin and held under compression between the stop at the inner end of the pin and the adjacent end of said first bushing.

2,601,496
DIAL BORE GAUGE
Earl M. Boat, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application July 21, 1947, Serial No. 762,434
3 Claims. (Cl. 33—178)

1. In a dial bore gage adapted to the measuring of small bores and having a measuring plunger and means for transmitting movement thereof to a dial indicator, in combination, a pair of centering plungers slidably mounted in the same plane with and on either side of said measuring plunger in bores in the gaging head, said bores being parallel to the measuring plunger and spaced on either side thereof, a pair of levers, each said lever terminating in a ball like portion, holes in said centering plungers into which said ball like portions extend, a common pivot for said levers, said pivot extending transversely of



the gaging head and intersecting the longitudinal center line thereof, a bore through said pivot through which the movement transmitting means passes, and a coil spring extending about the movement transmitting means and having its ends in engagement with the ends of said levers remote from said centering plungers to thereby urge said levers in a direction to project said centering plungers outwardly into contact with the walls of a bore.

2,601,497
FURFURYL ALCOHOL RESINS
Lloyd H. Brown, Chicago, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application January 14, 1950, Serial No. 138,698
1 Claim. (Cl. 260—67)

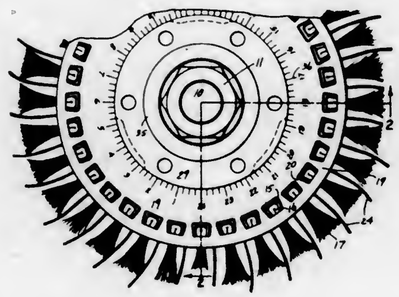
The method for producing a solid and fusible resin which comprises heating about 350 parts furfuryl alcohol and about 195 parts of a 37 per cent aqueous formaldehyde solution at reflux temperatures in the presence of water and a phosphoric acid catalyst until a viscous resin possessing a viscosity capable of producing about an 18 inch string is obtained, adjusting the pH of said viscous resin to a value of 4 to 8 by addition of alkali thereto and then dehydrating the resulting product at a temperature of between 100° to 160° C. and a pressure of between 6 mm. of mercury and atmospheric.

2,601,498
OIL SOLUBLE FURFURAL-PHENOL RESINS
Lloyd H. Brown, Chicago, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application June 22, 1950, Serial No. 169,769
5 Claims. (Cl. 260—56)

2. The method for producing an oil soluble resin which comprises heating a mixture con-

sisting of furfural and phenol in the approximate ratio of 1 to 4 in the presence of a basic catalyst until a viscous liquid is obtained, adding acid thereto until said mixture is slightly acid and then removing the excess phenol and water therefrom.

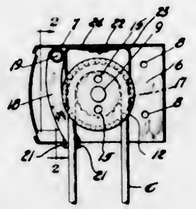
2,601,499
ABRASIVE HEAD
George W. Bruner, Indianapolis, Ind., assignor to Vonnegut Moulder Corporation, Indianapolis, Ind., a corporation
Application July 21, 1951, Serial No. 237,905
10 Claims. (Cl. 51—194)



1. In an abrasive head to be driven by a driving spindle including an annular series of radially-extending brushes between which abrasive strips are adapted to be extended, the combination therewith of a hub adapted to be secured on said spindle for rotation therewith, a hub plate extending radially from said hub and secured thereto, a cap plate surrounding said hub and spaced from said hub plate for mounting said brushes therebetween, an abrasive anchoring and winding drum rotatably mounted on said hub for anchoring and winding abrasive strips thereabout, said drum having a series of abrasive limiting lugs projecting from one end thereof through said cap plate, an abrasive adjusting collar rotatably mounted upon said hub having ears projecting inwardly between said lugs spaced from the adjacent ends thereof to permit of predetermined relative rotation between said collar and drum, an annular series of interlocking teeth carried by said collar and cap plate respectively for interlocking said collar and said plate in resetting position, and a clamping knob threaded on said hub for clamping said collar in interlocked relation with said cap plate.

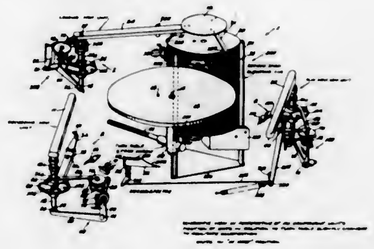
2,601,500
VENETIAN BLIND OPERATING MECHANISM
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Syracuse, N. Y.
Application December 19, 1949, Serial No. 133,792
1 Claim. (Cl. 160—176)

In a Venetian blind head roller mounting and operating sheave assembly adapted to be journaled on a pin on the inner face of a Venetian blind bracket, the combination comprising an outer cheek plate, stop engaging teeth on the outer periphery thereof, an inner cheek plate spaced therefrom, a plurality of disks of lesser diameter than said cheek plates interposed between and tightly connecting said cheek plates, said disks being formed with sharply defined, raised edges on the outer periphery thereof over which the head roller tilt cord of a Venetian blind may be trained, said cheek plates and disks



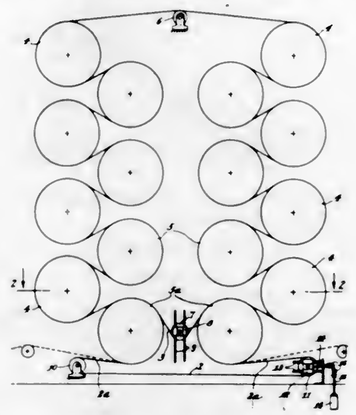
being provided with aligned, centrally disposed openings for accommodating said bracket pin, said inner cheek plate and said disks being provided with aligned spaced openings to accommodate the gudgeon pins of said roller.

2,601,501
AUTOMATIC DISK RECORDER AND PLAYBACK DEVICE
Robert M. Cain, Charlotte, Mich., assignor to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan
Application November 3, 1947, Serial No. 783,668
23 Claims. (Cl. 274—10)



1. In an automatic phonograph, a horizontal turntable and a horizontal arm, a pivot for said arm located outside the turntable, said pivot comprising a vertical post, said post being rotatable and being also slidable vertically; operating mechanism for said arm; said operating mechanism including a connection to said post for rotating the post and another connection to said post for raising and lowering said post; the end of said arm remote from said post, moving over the turntable on rotation of the post in one direction and said end of said arm moving away from said turntable on rotation of said post in the opposite direction; said operating mechanism including a rotatable driving member; said post having a rotatable driven member rotatably mounted thereon, a link connected between said driving and driven members eccentrically of each of said members; and additional connection between said driving member and said post operable to raise said post while said driving member is moving through a predetermined angular position and means connecting said driven member and said post when said post is raised to cause said post to rotate; said last mentioned means including a frictional element between the driven member and an element secured to said post.

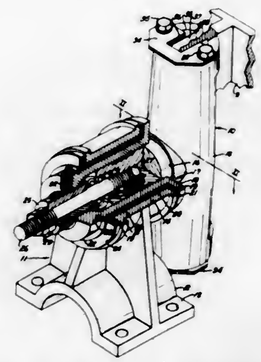
2,601,502
CARRIER APPARATUS FOR PAPER DRIERS
Theodore L. Coleman, Hutchinson, Kans.
Application February 4, 1950, Serial No. 142,432
5 Claims. (Cl. 34—120)



1. In a paper dryer having a plurality of upstanding decks of drying cylinders with each cylinder provided at one end with a seat for a set of carrier strands and with all of said seats mutually aligned radially, a set of endless carrier strands arranged with each strand lying in a flat vertical plane throughout its entire extent, said strands being arranged to span the tops of the seats of the top cylinders of said decks and to reeve downwardly around the seats of the cylinders, in the manner in which the paper web travels around the cylinders, to the tops of the bottom-cylinder seats, one of said strands being arranged to form a span between the tops of said bottom-cylinder seats and a sheave radially aligned with said span and mounted for radial movement in the flat plane of said one of the strands and means biasing said sheave to move it to engage and deflect said span and thus tension said one of the strands, the other of said strands being bent further around and under said bottom-cylinder seats and having a loop portion, and sheaves radially aligned with the flat plane of said other strand mounted to engage and stretch said loop portion horizontally so its opposite loop ends extend outwardly beyond said bottom-cylinder seats, one of said second-named sheaves being mounted for radial movement in the flat plane of said other strand and means biasing said last-named sheave to stretch said loop portion and thus tension said other of the strands.

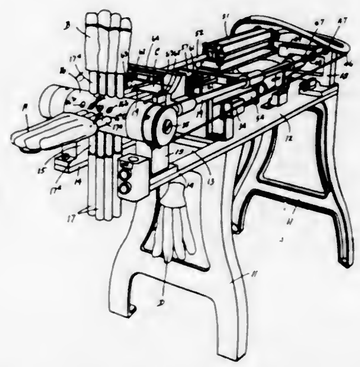
2,601,503
ELEVATOR GUIDE SHOE MOUNTING MEANS
John H. Cornish, Grosse Pointe Farms, Mich., assignor to Haughton Elevator Company, Toledo, Ohio, a corporation of Ohio
Application September 1, 1949, Serial No. 113,646
8 Claims. (Cl. 187—95)

7. Vibration damping means for an elevator cab having a framework that is movable vertically between a pair of spaced, vertical, generally parallel guide rails, said means comprising, in combination, a horizontally bored body mounted on said framework, a shoe having a vertically extending, channel-shaped portion and a transversely extending, cylindrical tenon, a tubular shoe mounting member having an inner diameter adapted to slidingly receive said tenon, and an exterior diameter smaller than the diameter of the bore in said body, a resilient sleeve interposed between the exterior of said tubular shoe mounting element and said body and within said bore, means for slidably and rotatably mounting



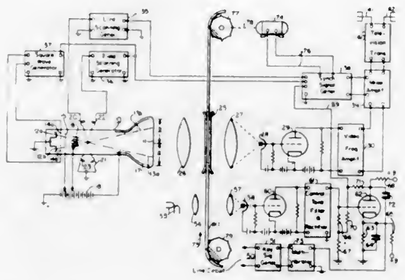
said tenon in said tubular member and for urging said tenon outwardly, the axes of said tenon and said tubular member lying in the median plane of one of said rails, and a low friction slotted gib mounted in said channel-shaped portion of said shoe for rotation on a vertical axis and closely embracing that one of said rails in sliding contact.

2,601,504
GLOVE TURNING MACHINE
Owen C. Cripe, Walton, Ind.
Application July 9, 1948, Serial No. 37,770
16 Claims. (Cl. 223—40)



1. In a glove and like turning machine the combination of a step-by-step intermittently unidirectionally rotatable drum, a plurality of finger units supported thereby and projecting therefrom, an oscillatory shaft, a unidirectional clutch interposed between shaft and drum, a movable drum lock normally constrained to drum locking position, and shaft operable means disposed adjacent the lock for withdrawing same from locking position while the drum is clutch driven.

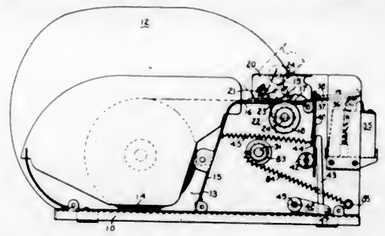
2,601,505
SUBSCRIPTION TYPE TELEVISION TRANSMITTER
Alexander Ellett, River Forest, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application March 23, 1949, Serial No. 83,029
7 Claims. (Cl. 178—5.1)



5. A subscription type television transmitter for transmitting coded television signals representing successive frames of a film strip having program information recorded thereon in at least two different modes in accordance with a coding schedule and having a code strip representing the coding schedule, comprising: a video-frequency signal generator including a film scanner for scanning successive frames of said film; a film driving mechanism for presenting successive film frames to said film scanner; a scanning-signal generating system for producing synchronizing signals representing the scanning cycles of said film scanner; a mixer amplifier coupled to said video-frequency generator and to said scanning-signal generator for developing a coded composite television signal including video-frequency components and synchronizing-signal components; means for transmitting said composite signal to subscriber receivers over a first signal channel; a key-signal generator system responsive to an applied control signal; a scanning device for scanning said code strip in timed relation with the scanning of said film by said film scanner to develop a control signal corresponding to said coding schedule; means for applying said control signal to said key-signal generating system to control the operation thereof to produce a key signal having characteristic variations representing the change in mode of the program information on said film; and means for supplying said key signal to a second signal channel for transmission to subscriber receivers.

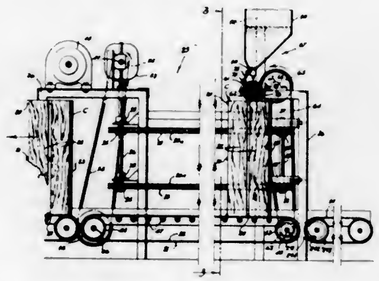
2,601,506
TAPE-DISPENSING AND SEVERING DEVICE
Oscar P. Erhardt, Derby, Conn., assignor to Derby Sealers, Incorporated, Derby, Conn., a corporation of Connecticut
Application August 18, 1948, Serial No. 44,921
16 Claims. (Cl. 164—49)

1. A tape-dispensing machine comprising tape-feeding means, an actuating member for said means, a manually operable oscillatable member having a detachable one-way driving connection with said actuating member to move the latter to feed a length of tape, stop means engaging said oscillatable member to limit forward movement thereof and move said oscillatable member out of engagement with said actuating member, and



spring means to effect reverse movement of the latter when so disengaged.

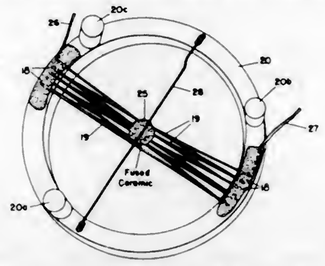
2,601,507
CRATE CONVEYER
Alvin Lenhert Eshelman, Upland, Calif.
Application April 23, 1949, Serial No. 89,337
1 Claim. (Cl. 198—162)



A conveyor mechanism adapted for use with labeling devices which exert label-applying pressures at right angles to the path of travel of an up-ended crate to be labelled, said crates comprising rigid end and intermediate walls interconnected by resilient side walls, the combination of: means adapted to advance crates in up-ended position along a selected path of travel; and drive means for said advancing means; said advancing means comprising pairs of vertically spaced endless chain conveyor means, each pair of said conveyor means lying in the same plane and being disposed on opposite sides of the path of travel of said crates; rigid members supporting said chain conveyor means along the entire length of opposed lays in unyielding parallel relation; straight virtually continuous faces on said opposed lays of each pair of chain conveyor means for continuous uniform engagement with resilient walls of said crates and along parallel lines of contacts; said faces being spaced apart a distance less than the normal lateral width of a crate, said crates being maintained in vertical up-ended position by outwardly directed pressure of said resilient walls against said unyielding chain conveyor means.

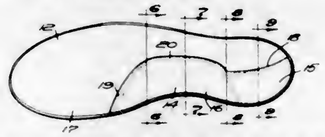
2,601,508
COMPENSATED THERMOPILE
William G. Fastie, Willow Grove, Pa.
Application January 18, 1950, Serial No. 139,308
32 Claims. (Cl. 136—4)

1. A temperature-responsive device comprising at least one thermocouple, means supporting said thermocouple with its hot junction disposed for application of heat thereto, and a thermal shunt electrically insulated from said hot junction but



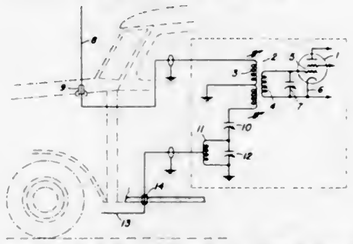
thermally intimately connected thereto and forming at least one heat-conduction path from said hot junction to the cold junction of said thermocouple.

2,601,509
FOOT SUPPORT
Frederick F. Fisher, Cranston, R. I.
Application January 15, 1947, Serial No. 722,125
1 Claim. (Cl. 36—71)



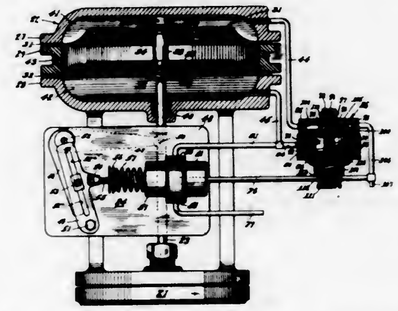
In a shoe having a heel section, a shank section and a toe section, an inner support comprising a heel portion and a shank portion, the heel portion having a thick inner edge and tapering uniformly to an outer edge, said heel portion outer edge beginning centrally of the heel section and curving inwardly, and the shank portion having a thick inner edge and tapering uniformly to an outer edge which extends transversely beyond the first metatarsal head and curves outwardly along the shank section and then sharply inwardly to the heel portion outer edge.

2,601,510
SYSTEM FOR ELIMINATING STATIC INTERFERENCE
Jack Frye, Sedona, Ariz.
Application February 6, 1948, Serial No. 6,755
3 Claims. (Cl. 250—20)



1. In an automobile radio installation subjected to wheel static interference having a predominant interfering frequency, a radio receiver, in input circuit for said receiver including a transformer having a divided primary winding the mid point of which is connected to ground, a normal signal antenna connected to one portion of said winding, an auxiliary noise pick-up antenna located near one of the wheels, a connection between said noise pick-up antenna and the other portion of said primary winding comprising a resonant circuit tuned to said interfering frequency and a series impedance adjustable for desired magnitude and phase of current transfer in said last-named portion for cancelling currents in said winding at said frequency.

2,601,511
PNEUMATICALLY OPERATED DIAPHRAGM MOTOR
Donald J. Gaffney, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa
Application August 17, 1948, Serial No. 44,780
7 Claims. (Cl. 121—48)

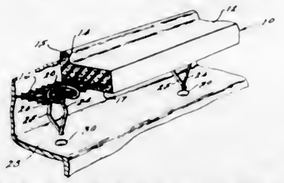


1. In a pneumatic system, the combination of a pneumatic motor for imparting reciprocating movement to a member, a valve device adapted to effect admission of fluid pressure to said motor and exhaust fluid pressure therefrom, a reversing valve means for said motor controlled by said valve device, said motor including a casing, two spaced diaphragms scanning the casing to form therewith a first chamber, a second chamber and an intermediate space between the diaphragms, means for securing said diaphragms together and to the member to be reciprocated, a supply of fluid under constant pressure, fluid connections between said constant pressure supply and said valve device and reversing valve means, a supply of fluid under variable pressure connected to said valve device, fluid connections to said first and second chambers, one of said last connections communicating with the reversing valve means and the other with said valve device, and movable valve members and passages in said reversing valve means and said valve device so arranged that an increase in said variable pressure fluid supply effects an increase of pressure in one of said chambers and a decrease in pressure in the other of said chambers, and vice versa when said variable pressure fluid supply decreases.

2,601,512
SELF-SUPPORTING MOLDED STRUCTURE
George E. Gagnier, Detroit, Mich., assignor to Gagnier Fibre Products Company, Detroit, Mich., a corporation of Michigan
Application August 5, 1947, Serial No. 766,169
3 Claims. (Cl. 20—69)

1. A device for sealing opposed elongate surfaces, comprising a strip of compressible resilient

sealing material having opposite elongate sides for engagement with said surfaces, and having a relatively stiff elongate web embedded in and completely enclosed and sealed by the material of the strip; and snap fastener parts located at intervals along said strip and secured to said web, each of said fastener parts projecting only



from one side of the strip and the web being parallel to said side of the strip and extending laterally around the sides of said fasteners to compress and press the strip around the fasteners against the surface to provide a seal surrounding each of said fasteners, the opposite side of the strip having a continuous and unbroken surface throughout its length.

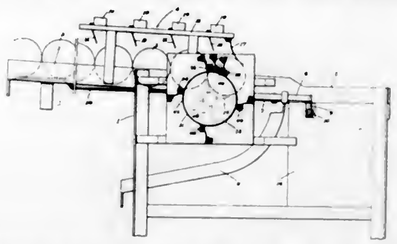
2,601,513
SURGICAL TISSUE COLLECTOR DEVICE
Sidney A. Gladstone, Paterson, N. J.
Application December 29, 1948, Serial No. 67,860
4 Claims. (Cl. 128—2)



1. A surgical tissue collector device comprising forceps having cooperating short and long jaws adapted to grip a sponge therebetween with its major sponge portion free on one side and backed-up on its opposite side by the long jaw, the outer side of the short jaw having a plurality of projections thereon adapted to loosen tissue when rubbed thereover.

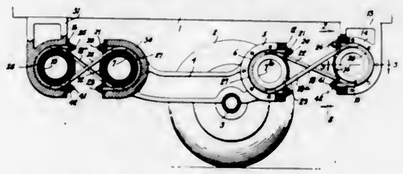
2,601,514
CAN SORTING MACHINE
William T. Goodban, Modesto, Calif.
Application January 21, 1948, Serial No. 3,572
7 Claims. (Cl. 209—72)

7. A can sorting machine comprising a runway for rolling cans along a definite path, a bar supported above the runway and in substantial parallelism therewith, a plurality of normally open switches supported on the bar and spaced apart longitudinally thereof, a dependent trigger on each switch effective to close the switch upon actuation of the trigger, such triggers being separate from each other and projecting to a point closely adjacent but spaced slightly from the plane of the upper sides of cans moved along said runway so as to be in position for engagement and switch closing movement by a flapping label on a can, can ejection means associated with the runway, and electric power operated means effective to operate said can ejection



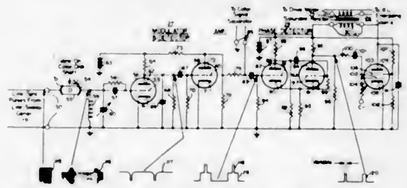
means and including an operating circuit which includes said switches in parallel.

2,601,515
PNEUMATIC SUSPENSION DEVICE FOR VEHICLES
Rene Gouirand, New York, N. Y.
Application June 8, 1951, Serial No. 230,519
7 Claims. (Cl. 267—65)



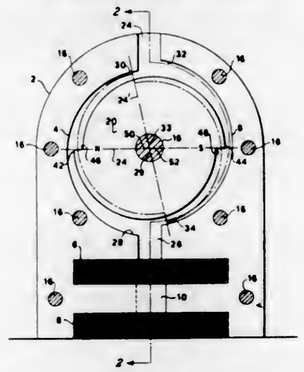
1. A vehicle comprising a chassis frame, a bracket carried thereby, a cylindrical air cushion carried by said bracket, a wheeled axle mounted below the chassis frame, a bracket carried by said axle, an air cushion carried by the axle bracket, and flexible cables secured at one end in the axle bracket and secured at the opposite end in the chassis-frame bracket, each of the cables partly encircling the air cushions in both brackets.

2,601,516
COLOR TELEVISION SYNCHRONIZING SYSTEM
Richard O. Gray, Broadview, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application July 15, 1949, Serial No. 104,967
5 Claims. (Cl. 178—69.5)



1. A system for synchronizing the speed of an electric motor with a synchronizing signal comprising: a carrier-signal source; a variable-impedance device coupled to said source and driven by said motor for modulating said carrier signal in accordance with the revolutions of said motor; a detector circuit coupled to said variable-impedance device for detecting said modulated signal to produce a signal indicating the revolutions of said motor; a phase-detector circuit coupled to said first-named detector circuit and responsive to said synchronizing signal and to said revolutions-indicating signal for producing a control signal having variations proportional to phase variations between said synchronizing signal and said revolutions-indicating signal; and means coupled to said phase-detector circuit and responsive to said control signal for controlling the speed of said motor in a direction to compensate for such phase variation.

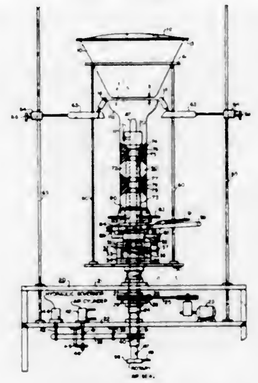
2,601,517
SYNCHRONOUS MOTOR
Frederic J. Hammes, Birdsboro, Pa., assignor of eleven-twentieths to Dorothy C. Hammes, Reading, Pa., one-fourth to John A. Stinson, Hatboro, Pa., and one-fifth to Frederic J. Hammes, trustee
Application November 1, 1949, Serial No. 124,757
7 Claims. (Cl. 172—278)



1. An alternating current machine comprising a stator, a coil mounted on said stator, opposing pole faces formed by said stator, and a polarized rotor, said rotor being mounted to rotate between said pole faces, the surfaces of said stator pole faces being eccentrically formed with respect to the center of rotor rotation and the surfaces of said rotor lying on either side of the rotor polar axis being eccentrically formed with respect to the center of rotor rotation, the directions of eccentricity of said surfaces being such as to provide a maximum eccentricity between the rotor and stator surfaces.

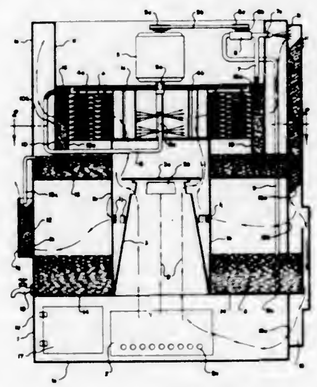
2,601,518
CATHODE-RAY TUBE SEALING APPARATUS
Arthur J. Harder, Jr., Chicago, Ill., assignor to The Rauland Corporation, a corporation of Illinois
Application November 17, 1949, Serial No. 127,975
4 Claims. (Cl. 279—1)

4. A chuck mechanism for releasably holding a tubular member comprising: a vertically extending shaft; a first annular wedge secured to said shaft; a pair of annular wedges mounted below said first wedge coaxially therewith each comprising a plurality of arcuate segments and a circumscribing resilient member for urging said segments toward the axis of said shaft; a fourth annular wedge slidably mounted on said shaft intermediate said pair of annular wedges; a fifth annular wedge slidably mounted on said shaft below the lower one of said pair of annular wedges; a collar slidably mounted on said shaft below said fourth wedge and having a pair of longitudinal slots formed therein; a pair of radially extending rods fixed to said shaft and protruding through said slots for supporting said tubular member coaxially with said shaft surrounding said wedges; a cylindrical member slidably mounted on said shaft below said collar and movable between a loading position in which said resilient members drive said segments toward the axis of said shaft to permit said tubular member to be placed over said wedges on said supporting



rods and a locking position in which said cylindrical member drives said fifth wedge towards said first wedge to force said segments away from said shaft into firm engagement with the inner surface of said tubular member; a spring member for driving said cylindrical member to said locking position; a control arm for displacing said cylindrical member from said locking position to said loading position; and a latch for engaging said control arm to secure said cam in said loading position.

2,601,519
AIR CLEANER
Gordon W. Hardy, Chula Vista, George C. Ray, San Diego, and Paul Carle, Coronado, Calif., assignors to Air Purification, Inc., San Diego, Calif., a corporation of California
Application April 10, 1948, Serial No. 20,256
3 Claims. (Cl. 183—13)



1. In a means of the class described, a motor, a centrifugal blower operated thereby, a spray

nozzle centrally of said blower, at the inlet thereof, a vertical axis cylindrical strainer surrounding said blower, means for supplying liquid to said strainer, a sump below said strainer, a siphon tube communicating with said sump, a second strainer below said siphon tube and a second sump below said second strainer for receiving liquid from said siphon tube through said second strainer.

2,601,520
DIALKENYL ALKANEPHOSPHONATES AND POLYMERS THEREOF

Denham Harman and Alan R. Stiles, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 24, 1949, Serial No. 101,254
12 Claims. (Cl. 260—80)

11. A phosphonic acid ester having the structure defined by the formula

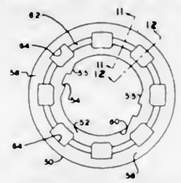
$$R'-\overset{O}{\overset{\|}{P}}(OR)_2$$

in which each R represents a mono-olefinically unsaturated hydrocarbon radical and R′ represents a member of the group consisting of alkane radicals and carbocyclic-substituted alkane radicals.

2,601,521
FILTER

Maurice B. Heftler, Grosse Pointe Park, Mich.

Application September 19, 1947, Serial No. 774,920
4 Claims. (Cl. 210—169)



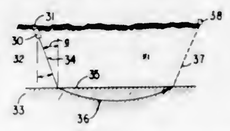
1. A filter of the edge filtering type comprising a plurality of substantially identical elements arranged in a stack, each element having a flat ring-shaped outer portion, a flat ring shaped inner portion co-axial with said outer portion, and lying in a plane parallel to but offset from the plane of said outer portion, and a plurality of intermediate portions connecting said inner and outer portions and lying on the surface of a cone co-axial with said inner and outer portions, all of said portions having substantially the same thickness and said intermediate portions being in contact with similar portions of adjacent elements so that said inner and outer portions are held spaced slightly away from the inner and outer portions of said adjacent elements to form thin passages between said inner portions and between said outer portions, and said intermediate portions of said element being spaced apart circumferentially to leave passages connecting said thin passages.

2,601,522
METHOD FOR GEOPHYSICAL EXPLORATION

Carl A. Heiland, Denver, and Matthew T. Murray, Lakewood, Colo.

Application February 28, 1946, Serial No. 650,816
4 Claims. (Cl. 181—.5)

1. The method of seismic prospecting which comprises the steps of forming an explosive charge unit capable of discharging the major portion of its explosive energy as a beam, positioning said charge in the earth to direct said beam at an angle substantially equal to that

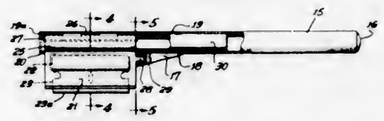


of the critical refraction ray of an underlying earth formation, exploding said charge unit, and recording the resulting vibrations at a point removed from the place where said unit is exploded.

2,601,523
DEVICE FOR USE IN THE STROPPING OF SAFETY RAZOR BLADES

John J. Hill, South Pasadena, Calif.

Application June 13, 1949, Serial No. 98,712
2 Claims. (Cl. 30—330)



1. A device for use in the stropping of safety razor blades, including: a barrel having a slot extending longitudinally therein for a portion of its length leading to one end of the barrel, a tube slidably fitted lengthwise in the barrel, a blade clamp comprising a pair of flat elongated jaws one of which is fixed at one longitudinal edge to and in longitudinal alinement with one end of the tube, and the other jaw being pivotally connected at one of its longitudinal edges to the fixed jaw to occupy open and closed positions with respect to the fixed jaw, said tube and blade clamp, when said jaws are closed and alined endwise with the slot, being slidable in said barrel with said jaws extending through said slot; tongues on the inner ends of the jaws; and a projection on the outer side of the barrel at the inner end of the slot, said projection having a recess therein at the end adjacent the slot to receive the tongues when the jaws are extended fully into the slot.

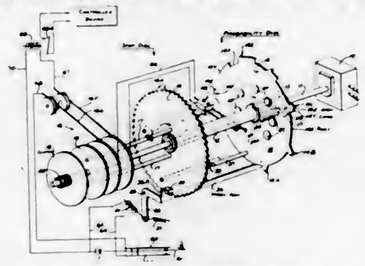
2,601,524
PROBABILITY AND PROPORTIONING SWITCH

Donald E. Hooker, Skokie, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application January 19, 1950, Serial No. 139,423
23 Claims. (Cl. 200—92)

8. In a rotary switch, a pair of juxtaposed discs mounted for rotation, means for rotating said discs jointly and for rotating a certain one of the discs alone, switch means including parts associated with both discs and actuated only by rotation of said certain disc relative to the other with the latter at rest, to give a variable number of pulses depending upon the angular relation of said discs at the start of said relative rotation, and index means cooperable with both discs to hold the same at rest, and operable to release the same for joint rotation, and thereafter stop one disc and permit the certain other disc to continue rotation a limited amount, together with

normalizing means cooperable with said index means and operable to set said discs in a predetermined angular relationship prior to each starting of joint rotation thereof.



2,601,525
BULLETPROOF FUEL TANK

Arthur M. Howald, Perrysburg, and Leonard S. Meyer, Newark, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application February 3, 1949, Serial No. 74,286
10 Claims. (Cl. 154—43.5)

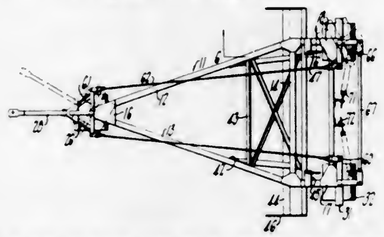


1. A self-sealing fuel tank adapted to seal punctures therein caused by projectiles which comprises in combination a gasoline-resistant flexible lining, a rubbery sealing layer which swells rapidly but does not dissolve in gasoline, and a non-metallic non-shattering stiff supporting member substantially coextensive in area with said lining and said sealing layer comprising a plurality of layers of fibrous material interspersed between and adhered to layers of hard resinous material, said supporting member having sufficient stiffness to prevent substantial sagging and distortion of said tank when filled with fuel and being substantially free of any tendency to foliate upon penetration by a projectile; said lining, sealing layer, and supporting member all being adhered together.

2,601,526
TRAILER STEERING MECHANISM

Leslie Brockway Howard, Chico, Calif.

Application August 5, 1949, Serial No. 108,780
1 Claim. (Cl. 280—33.55)

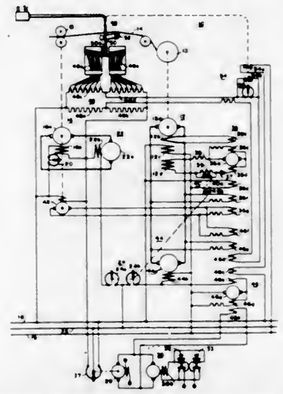


A dirigible land leveler consisting of a substantially triangular frame, a wheel at each corner of said triangular frame providing a leading wheel and spaced trailing wheels, forks supporting said frame on each of said wheels, each fork having a stem mounted for rotational steering movement in said frame, a tongue frame extending forwardly from the leading wheel fork, a brace extending from the forward end of said tongue frame to the upper end of the stem of the leading wheel fork and at a point above said triangular frame, a tongue secured to said tongue frame for moving the leveler over the earth, a cross bar secured to the stem on the leading wheel at a point substantially coinciding with the point of attachment of said brace, a bell crank on each stem of each trailing wheel, a connection between each end of the cross bar and one lever of each bell crank, a clevis on each of the other levers of the bell crank, a connection between each clevis extending parallel to that element of the triangular frame between said trailing wheels, and a spring extended between each of the other levers of the bell crank and said triangular frame element between said trailing wheels and biasing said trailing wheels into a direct trailing position.

2,601,527
TENSION CONTROL SYSTEM

William T. Hunt, Jr., Williamsville, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 12, 1949, Serial No. 110,011
10 Claims. (Cl. 318—6)



1. A control system for a motor connected in driving relation with a device for handling a strip of material proceeding from a work device comprising, excitation means for the motor responsive to the speed of the work device, generating means disposed to supply electrical energy to the motor, excitation means connected to control the output of the generating means in accordance with the speed of the work device, a regulating generator connected to vary energization of the excitation means of the generating means, said regulating generator having excitation means, and circuit means including a tensiometer device actuated by the strip connected to reversibly energize said regulating generator excitation means.

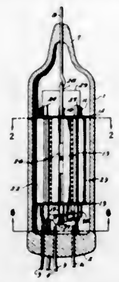
2,601,528
STRUCTURE AND INTERNAL SHIELDING OF ELECTRON TUBES

Harry Kenneth Ishler, Floral Park, N. Y., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts

Application July 13, 1946, Serial No. 683,302
31 Claims. (Cl. 313—240)

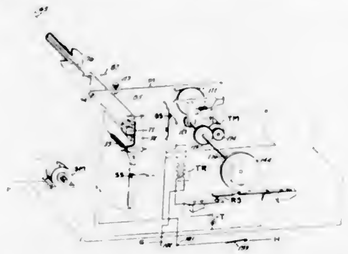
20. An electron tube comprising an hermetically sealed envelope containing an electrode as-

sembly including apertured insulating members for supporting the electrodes, an anode having projections extending through apertures in said



insulating members, and conductive shield members disposed between said projections and the remainder of said electrode assembly.

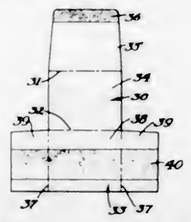
2,601,529
STOKER CONTROL SYSTEM
Albert L. Judson, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application February 11, 1949, Serial No. 75,874
6 Claims. (Cl. 236—9)



3. A system for the control of an electric motor drive for a stoker, said system comprising a source of electric power, means for connecting said motor to said source of power, an operating means for said connecting means, means for periodically energizing said operating means for short intervals of time, and a condition responsive latch lever adapted to maintain said connecting means in its connected position to extend any of said intervals until said condition has attained a pre-set value.

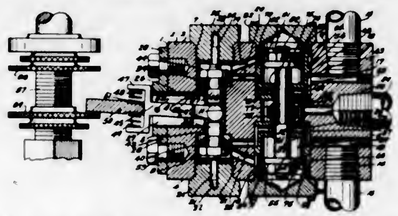
2,601,530
ENVELOPE
Albert I. Kegan, Chicago, and Wayne A. Neely, Oak Park, Ill., assignors, by direct and mesne assignments, to Samuel W. Kipnis, Chicago, Ill., trustee
Application October 23, 1947, Serial No. 781,550
9 Claims. (Cl. 229—72)

1. A mailing sheet adapted to be used for two-way shipment between two parties, wherein one shipment comprises sending a message to one party, while the other shipment comprises sending coins or other small objects to the other party, said mailing sheet comprising: a rectangular wall portion and a foldable flap depending therefrom, dry sealing cohesive applied to corresponding areas of said foldable flap, a reinforcing flap extending from an edge of said wall portion and perpendicular to said foldable flap, a sealing flap extending from that edge of said wall portion opposite said edge, and written material on said device including the address of said one party on that surface of said wall portion which is a continuation of that surface of said foldable flap to which said cohesive is applied, and the address of said other party on the other surface of said wall portion, said mailing sheet being so proportioned and creased that it may be (a) folded for shipment to said one party with



said corresponding areas out of contact with one another, said address of said other party covered by said foldable flap, and said foldable flap interposed between said wall portion and said reinforcing flap, or (b) folded for shipment to said other party with said corresponding areas abutting one another to retain said coins or the like inserted therebetween, said address of said one party covered by said foldable flap, said foldable flap interposed between said wall portion and said reinforcing flap, and said sealing flap sealed to said reinforcing flap.

2,601,531
FLUID ACTUATED CONTROL VALVE
Garman O. Kimmell, Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo., a corporation of Delaware
Application May 15, 1948, Serial No. 27,333
4 Claims. (Cl. 121—126)



1. A valve of the character described including a valve body having a valve chamber provided with an inlet for a pressure fluid and coaxial outlets adapted for connection with a pressure fluid actuated device and having coaxial pressure chambers in connection with said outlets, valves in the valve chamber for controlling flow through the outlets, pistons in said pressure chambers and having connection with the valves to operate as a unit and alternately seat the valves in closing relation with the outlets, said valve body also having control valve chambers related to the pressure chambers and having flow connections with the outlets and with the pressure chambers at outer sides of the pistons and having coaxial exhaust ports, a control valve in each control valve chamber, means interconnecting the control valves for alternately closing one exhaust port and opening the other exhaust port, means for effecting actuation of the control valves so that when one of the first named valves is in position establishing flow of pressure fluid through the outlet and pressure fluid is admitted to the related pressure chamber on the respective sides of the piston by way of said related control valve chamber and flow connection when the control valve for that chamber is seated to render the pressure fluid effective on the device to be actuated and to equalize pressure on the respective sides of the related piston while the other of the first named valves is closing flow of pressure fluid to the other of said outlets and pressure fluid is exhausting from the device to be actuated to establish pressure on the other piston to hold the first named valves in said open and closed positions and to effect exhaust of pressure fluid from the device to be actuated and venting of the pressure fluid from the opposite sides of said other piston through the related control valve chamber having the unseated control valve, and means for alternately operating the control valves to effect alternate operation of said first named valves for reversing the flow of pressure fluid to and from the device to be actuated.

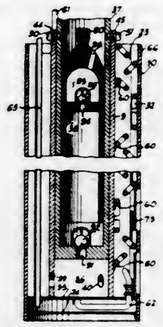
2,601,532
METHOD OF MAKING FACED BUILDING BLOCKS AND THE LIKE
James A. Knighton, Birmingham, Ala.
Application August 19, 1949, Serial No. 111,242
5 Claims. (Cl. 18—60)



1. In the manufacture of faced concrete building blocks wherein the facing material comprises one type of plastic cement-aggregate mixture in which the aggregate is of different sizes and the block body material comprises a plastic cement-aggregate mixture of different type dry enough to be self sustaining immediately after the block is formed, the method comprising the steps of placing a quantity of said facing material in plastic condition in a shallow metallic pan, vibrating the pan and contents for a length of time to cause the larger sizes of the aggregate thereof to move out of contact with the bottom of the pan, permitting the vibrated contents to stand in the pan for a period of time sufficient only for the same to partially set to the extent that the contents of the pan will remain in the pan without substantial flow when it is held substantially vertically on edge, standing the pan on edge with the bottom thereof substantially vertical, bringing the block body material in plastic condition into direct contact with the surface of the facing material in the pan, and tamping the plastic body material to cause intimate bonding of the same with the facing material.

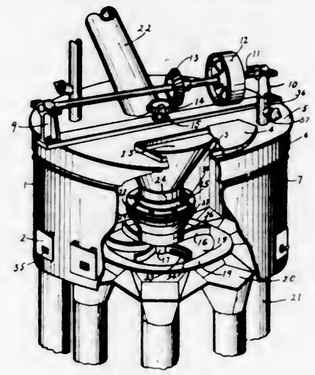
2,601,533
HEATED GRID GAS ANCHOR
Robert L. Koch, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 6, 1950, Serial No. 172,361
6 Claims. (Cl. 183—32)

6. A gas anchor comprising in combination an inner barrel, an outer barrel surrounding said inner barrel, a floor partition closing the bottom end of said inner barrel and the bottom end of the annulus formed by said inner barrel and said outer barrel, an even number of wall sections between said inner barrel and said outer barrel forming a plurality of chambers extending lengthwise within the annulus formed by said inner barrel and said outer barrel, a heating grid within each alternate chamber, an oil entry port



through said outer barrel leading to each of said chambers containing a heating grid, an oil entry port through said inner barrel leading to each remaining chamber, means for passage of oil from each chamber containing a heating grid to one adjacent chamber containing an oil entry port through said inner barrel, and means associated with said outer barrel for escape of gas from within said outer barrel.

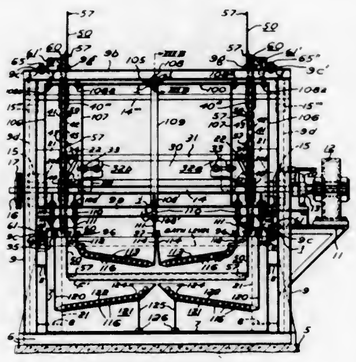
2,601,534
DISTRIBUTOR
James F. Laffoon, Kansas City, Mo.
Application April 15, 1948, Serial No. 21,269
1 Claim. (Cl. 222—330)



A distributor for finely divided material comprising, a circular table having a concave upper surface, a hopper above the table, a spout depending from the hopper and concentric with the table, a nozzle swivelled on the spout above the table and adapted to be adjusted eccentrically thereof to direct and substantially equally distribute said material onto the table, a spider rotatable above the table, said spider having radial blades extending over the table with the lower edges of said blades substantially uniformly spaced from the upper surface of said table for

evenly discharging the material to the periphery thereof, material receiving devices about the periphery of the table and having inlet openings below the same, and a bristled brush on one of the spider blades and substantially coextensive therewith, the bristles of said brush engaging the upper surface of the table for sweeping same and effecting movement of heavy foreign objects in the material to the center of the concave surface.

2,601,535
ELECTROLYTIC TREATING APPARATUS
Leslie E. Lancy, Ellwood City, Pa.
Application August 9, 1948, Serial No. 43,193
5 Claims. (Cl. 204—202)

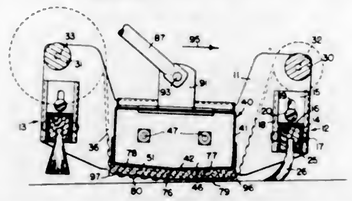


1. In an apparatus for electrolytically treating and advancing a series of work articles in a transversely-horizontally extending relationship longitudinally along and within a longitudinal tank having a treatment solution therein, wherein a frame structure is positioned to extend longitudinally along and above the tank, an upper set and a lower set of transversely-horizontally extending electrodes are positioned within and along the tank, and the upper and lower sets of electrodes are in a vertically spaced-apart relationship to define a longitudinal path of movement for the work articles therebetween along the tank, the combination of a pair of vertically spaced-apart upper and lower shafts operatively mounted on one longitudinal end of the frame structure to extend transversely thereacross, a second pair of vertically spaced-apart upper and lower shafts operatively mounted on an opposite longitudinal end of the frame structure to extend transversely thereacross, the lower shafts of said pairs being mounted adjacent a top portion of the tank and above the treatment solution therein; a pair of inner and outer longitudinally-extending bus bars along one longitudinal side of the tank and a similar pair along an opposite longitudinal side of the tank, means suspending the outer bus bars of said pairs from the frame structure closely adjacent to and transversely between vertical planes representing longitudinal side walls of the tank, means suspending the inner bus bar of each of said pairs in a transversely-inwardly spaced relationship with respect to the outer bus bar of the same pair, outer hangers projecting downwardly from said outer bus bars and connected to outer ends of the lower set of electrodes, inner hangers spaced transversely inwardly from said outer hangers and projecting downwardly from said inner bus bars and connected to outer ends of the upper set of electrodes; a pair of chain sprockets mounted in a transversely spaced-apart relationship on each of said shafts, one sprocket of each of said pairs being positioned in a vertical plane that represents transverse spacing between said inner and outer hangers and between the inner and outer bus bars of one of said pairs, the other sprocket of each of said pairs being positioned in a vertical plane that represents transverse spacing between said inner and outer hangers and between the inner and outer bus bars of the other of said pairs; a conveyor chain meshing with one chain sprocket of each of said pairs and a second conveyor chain meshing with the other chain sprocket of each of said pairs; said lower shafts and their associated sprockets defining a lower flight of said conveyor chains and said upper shafts and their associated sprocket pairs defining an upper flight of said conveyor chains, the upper and lower shafts of each of said pairs and their associated sprocket pairs defining vertical flights of said conveyor chains; means for actuating at least one of said chain sprocket pairs; a pair of continuous bus bar loops, means positioning one of said bus bar loops along one longitudinal side of the frame structure and about one of said conveyor chains, means positioning the other of said bus bar loops along an opposite longitudinal side of the frame structure and about the other of said conveyor chains; a series of work-holding arm pairs, one arm of each of said arm pairs being carried by one of said conveyor chains to project vertically-outwardly therefrom, the other arm of each of said arm pairs being carried by the other of said conveyor chains to project vertically-outwardly therefrom in transverse alignment with the other arm of the same pair and carry a transversely-extending work article therewith, a slide bore portion on each of said work-holding arms, the slide bore portion of one work-holding arm of each of said pairs being slidably clamped on one bus bar loop of said pair of bus bar loops for movement therealong and the slide bore portion of the other work-holding arm of each of said pairs being slidably clamped on the other bus bar loop of said pair of bus bar loops for movement therealong, and the arms of said arm pairs carried by the lower flight of said conveyor chains projecting downwardly into the tank along the vertical planes that represent transverse spacing between said inner and outer hangers and between said pairs of inner and outer bus bars to support and move the work articles in and along the longitudinal path defined by the upper and lower sets of electrodes.

2,601,536
PRODUCTION OF TETRAFLUOROETHYLENE FROM A SALT OF TRIFLUOROACETIC ACID
James Donald La Zerte, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application May 8, 1950, Serial No. 160,815
1 Claim. (Cl. 260—653)

A process for the production of $CF_2 : CF_2$ (tetrafluoroethylene) which comprises sufficiently heating an anhydrous mixture of an alkali metal trifluoroacetate salt and an alkali metal hydroxide to initiate an exothermic reaction and allowing it to continue with formation of $CF_2 : CF_2$ as the dominant carbon-fluorine reaction product, and recovering the latter.

2,601,537
COMBINATION FLOOR BRUSH AND POLISHER
Carl S. Lofgren, Moline, Ill.
Application July 27, 1948, Serial No. 40,811
3 Claims. (Cl. 15—114)

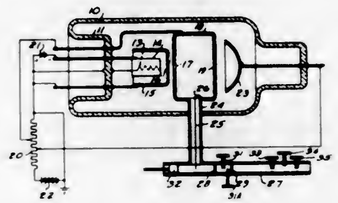


1. In a floor cleaning device comprising a body member having a bottom surface serving as a presser plate and bent along a line extending transversely of the direction of travel of the device along the floor, said line being generally midway between the front and rear edges of said bottom surface providing two faces disposed at an obtuse angle to each other, a pair of supports mounted adjacent opposite ends of said member, respectively, a pair of rollers extending between said supports and journaled thereon in fore and aft spaced relation, a strip of cleaning material having its ends wound on said rollers, respectively, and extending beneath said bottom surface to wipe the floor when the device is moved, a handle pivotally mounted on said member above said bottom surface on an axis transverse to the direction of movement forwardly and rearwardly across the floor, thereby providing for rocking movement of said body member responsive to reciprocation of said handle to bring the leading face of said bottom surface into sliding contact with the floor in either direction of movement, and a pair of brushes carried by said body member adjacent said front and rear edges and rockable therewith, each one of said pair of brushes having a floor engaging portion positioned in the plane of that portion of cleaning material under the adjacent face of said presser plate but spaced above the floor out of contact therewith when the body is rocked to bring the portion of material under the opposite face of the presser plate into floor-engaging position, whereby in either direction of movement of said device, the brush in the leading position is automatically brought into floor-engagement to brush the floor ahead of the strip of floor cleaning material and the brush in trailing position is raised out of contact with the floor.

2,601,538
CATALYTIC ISOMERIZATION OF PROPYLENE OXIDE TO PROPIONALDEHYDE, CATALYST THEREFOR, AND SYNTHESIS OF CATALYST
Lester G. Lundsted, Grosse Ile, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application July 2, 1948, Serial No. 36,807
5 Claims. (Cl. 260—601)

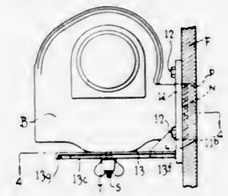
1. The process of making propionaldehyde comprising passing propylene oxide vapor over a heated chromic oxide-tungstic oxide complex catalyst selected from the group consisting of a catalyst prepared by reacting chromium nitrate with sodium tungstate in aqueous solution, washing the precipitate free of sodium nitrate and filtering and heat-drying the precipitate, and a catalyst prepared by heating an intimate physical mixture of chromic oxide and tungstic acid to form a complex thereof having high catalytic activity.

2,601,539
TWO-FREQUENCY MICROWAVE OSCILLATOR
Jess I. Marcum, Santa Monica, Calif., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1947, Serial No. 788,798
2 Claims. (Cl. 315—39)



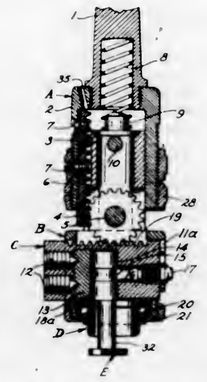
2. In combination, an oscillation generator of the cavity resonator type, a conductor for high frequency oscillations tightly coupled to said generator, an ancillary cavity resonator connected to said conductor and provided with means for adjusting its tuning, and means for absorbing energy inserted into the interior of said ancillary cavity resonator.

2,601,540
BRACKET FOR ADJUSTABLY MOUNTING OIL BURNERS
Arthur A. Marcus and Julius S. Goldberg, Brooklyn, N. Y.
Application February 1, 1949, Serial No. 73,954
2 Claims. (Cl. 248—16)



1. An angle bracket fitting for mounting an oil burner with the nozzle thereof in alignment with an inlet passage of a furnace comprising an annular flange having an opening for registering with said inlet passage, means for mounting said flange against a substantially vertically extending wall of said furnace, an elongated supporting platform extending in angular relation to said flange and spaced from said flange opening, said platform having a straight slot extending lengthwise through a mid-portion thereof, an end portion of said platform adjacent the flange being of increased width and having said slot terminate thereat in an enlargement of curved contour, and spaced apart arcuate shaped wing fillets interconnecting the flange with rim of said slot enlargement positioned free from portions of an oil burner mounted on said platform, rim edges of said slot being downturned to form undertracks for adjustable anchoring means from said oil burner.

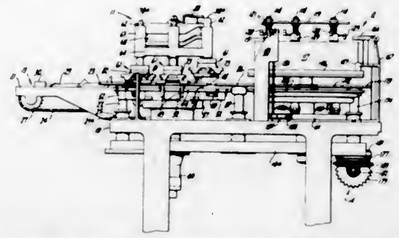
2,601,541
RECESSING TOOL
Fred A. Maxwell, Bedford, Ohio
Application January 13, 1947, Serial No. 721,772
1 Claim. (Cl. 77—58)



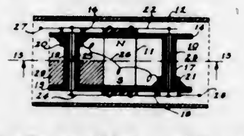
In a recessing tool, in combination, a shell comprising a body having a longitudinal opening from one end thereof and a shank projecting from the opposite end of the body, the shell shank defining a longitudinal axis of rotation of the body, a plunger having an upper end and a lower end and including a portion slidable in the opening and constrained against rotation with respect to the shell body, a second portion adjacent the lower end, and an opening diametrically through the second portion, spring means disposed between the upper end of the plunger and the upper end of the opening in the shell, pilot means comprising a generally annular member rotationally mounted at the lower end of said plunger, a tool block comprising a body slidably mounted in the opening in the second portion for horizontal motion with respect thereto, the tool block being adapted to carry an axially directed tool shank and an opening in the second portion of the shank between the pilot and the diametric opening for accommodating the shank, a rack mounted along the upper side of the tool block, a vertically disposed rack along the inner side of the opening in the shell, an opening in the plunger disposed in the plane of the said racks, a gear disposed in said last named opening engaging the two racks and supported by said plunger whereby displacement of the plunger relative to the shell body by engagement of the pilot with a workpiece causes a parallel translation of the tool shank with respect to the axis of rotation of the tool holder.

2,601,542
FILLING MACHINE WITH ROTARY VALVE
Leonard McGihon, San Leandro, Calif., assignor to King Sales & Engineering Company, San Francisco, Calif.
Application November 19, 1946, Serial No. 710,814
5 Claims. (Cl. 226—97)

1. In a filling machine, a rotary filling valve having respective series of alternately arranged circumferentially spaced valve opening elements and valve closing elements, said respective series being staggered axially of the valve with all of the plurality valve opening elements lying in substantially the same plane and all of the plurality of valve closing elements lying in substantially another plane displaced axially of said first mentioned plane, means for moving the valve along a path, a valve opening station including a member for cooperation with said series of valve opening elements for selectively engaging the active element of the series to effect opening of the valve and a valve closing station along the path including means for cooperating with the series of valve closing elements to engage an active one of said elements to effect closing of the valve.

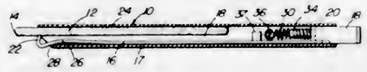


2,601,543
DOUBLE COIL CABLE GEOPHONE
Kenneth W. McLoad, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application September 12, 1949, Serial No. 115,293
6 Claims. (Cl. 177—352)



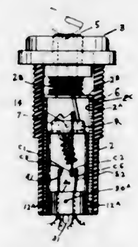
1. A vertically sensitive, double coil, self-positioning geophone for a seismic cable comprising a cylindrical housing forming a length of said cable and having bearings at each end thereof, two plates extending parallel to the axis of said housing at diametrically opposed positions each having an aperture therein and a pole piece extending therefrom, bar magnets pivotally mounted on said bearings and maintaining said plates in predetermined spaced-apart relation with said pole pieces extending into said apertures to establish an air gap threaded by a magnetic flux, two coils, means for resiliently mounting said coils in said air gap and in said flux for generation of a voltage upon vibration thereof, and means for gravitationally biasing said magnets to maintain said plates in predetermined relation independently of the rotational position of said housing about the axis of said cable.

2,601,544
REFILLABLE ERASER DEVICE
Earl H. Metcalf, Ridgefield Park, N. J.
Application June 30, 1950, Serial No. 171,383
1 Claim. (Cl. 120—36)



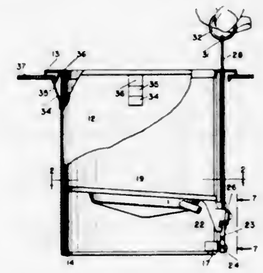
An erasing device comprising a casing rectangular in transverse cross-section and adapted to house a long and relatively thin eraser element which projects from one end of said casing, a slide member having a flexible portion movable longitudinally in said casing adjacent one of the wider walls thereof and projecting from said casing at both ends and providing a space for said eraser element between flexible portions of said slide member and the opposite wall of said casing, said slide member being provided at one end with a block slidable in and projecting from said casing and at the other end with a toe portion projecting toward and adapted to engage said eraser element and having an adjacent cam portion cooperating with the end edge of the wall of said casing which is adjacent the flexible portion of said slide member thereby in the retracted position of said slide member forcing said toe portion into gripping engagement with said eraser element, a pin extending through the narrower walls of said casing and extending across its interior, a compression spring located within said casing and attached at one end to said pin and at its other end surrounding a stud projecting from said block, whereby said spring biases said slide member toward the retracted position in which its toe portion grips said eraser element, said slide member being provided with an offset portion extending into the said space for said eraser element and adapted to engage said pin and limit the extreme retracted movement of said slide member by said spring in the absence of said eraser element.

2,601,545
PUSH ON-PUSH OFF SINGLE BUTTON SWITCH
Edwin August Miller, Fairfield, Conn.
Application April 23, 1948, Serial No. 22,903
1 Claim. (Cl. 200—159)



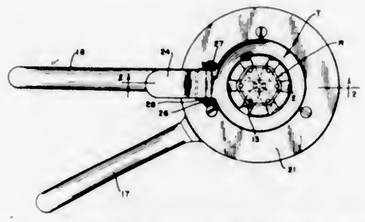
A switch mechanism having a casing; relatively spaced yielding stops provided by said casing; a fixed support within said casing; a rocker pivotally mounted for two extreme positions upon said fixed support, said rocker having on its upper portion relatively spaced shoulders; a tension blade adapted to be flexed and having an opening therethrough within which said rocker is positioned, said blade being suspended from said upper portion of said rocker between said shoulders; contacts with which opposite lower surfaces of said blade are provided each for engagement with one or the other of said yielding stops; a coiled wire spring of which the lower end is hinged to the lower portion of said blade within said opening and the upper end of said spring is attached to the lower end portion of said rocker; a single push button having a cavity therein and being slidably mounted within the upperpart of said casing, the manually pressable button having a spring-pressed return; a laterally yieldable filler body inserted within said cavity said filler body holding therein the upper end of a rigid rod, the free end of which being normally at rest in open space within said casing above said rocker but upon each pushed movement of said button the said free end of said rod is adapted to engage one of said shoulders to pivotally operate said rocker from one to the other of said extreme positions, the said rocker carrying overhead in one direction the upper portion of said blade while the spring-attached lower portion of said rocker is carried in the opposite direction against a further increased compression of said spring adapted to move the contact extremity of said blade from one to the other of said yielding stops; and a pressure-angle of high degree provided between the said spring and the said blade, said pressure being augmented by the release of the flexed condition of said blade as the said blade approaches its overcentering point.

2,601,546
DEEP WELL ELECTRIC COOKER
William J. Miller, Portland, Oreg.
Application August 2, 1950, Serial No. 177,201
6 Claims. (Cl. 219—37)



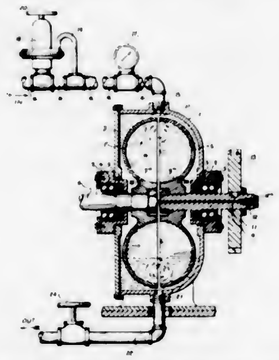
1. In a deep well electric cooker, adjustable supporting means for the electric heating element including a substantially vertical mounting bar located at one side of said well, an element-supporting frame having a bracket portion slidable on said mounting bar, a slot for said bar provided on said bracket and extending upwardly on said bracket at an angle slightly less than 90° with respect to the plane of said frame, the inclination of said slot with respect to said plane being such that the upper and lower edges of the outer and inner walls respectively of said slot will exert a gripping hold on the corresponding opposite faces of said mounting bar when said frame is in horizontal position but will permit said frame to slide on said mounting bar when said frame is tilted slightly upwardly from horizontal position, a substantially vertical adjusting rod located at one side of said well near said mounting bar, a second slot provided on said bracket parallel to said first slot and substantially the same length for said adjusting rod, said adjusting rod being rotatable and slidable up and down in said second slot, and a bracket-engaging element on the lower end of said adjusting rod for exerting a thrust in an inward direction on the bottom portion of said bracket when said bracket-engaging element is raised into contact with said bracket, whereby such inward thrust on said bottom portion of said bracket will cause said rod to engage the outer upper edge of said second slot and the combined result will be to cause said frame to be tilted upwardly from horizontal position into movable position.

2,601,547
EXPANDER TOOL FOR ELASTIC BANDS
Robert M. Minock, Denver, Colo.
Application November 13, 1950, Serial No. 195,261
14 Claims. (Cl. 128—303)



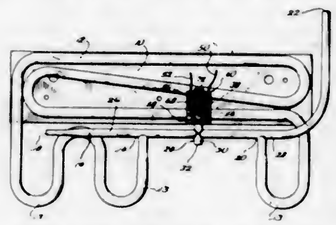
12. A tool operable by a single hand of a user for expanding a band and releasing it for contraction comprising a plurality of elements having parts for engaging the inner side of the band, means for moving the elements outwardly to perform expanding of the band including two handles operable by a gripping action of a hand, a releasing member mounted on the tool and having a part over which the band will become positioned when expanded, and thumb operable means for moving the releasing member upwardly to push the band off the elements.

2,601,548
VARIABLE SPEED ROTARY HYDRAULIC COUPLING
Paul S. Monroe, Elyria, Ohio, assignor to The Pfaulder Co., Rochester, N. Y., a corporation of New York
Application December 2, 1946, Serial No. 713,403
3 Claims. (Cl. 60—54)



1. In a hydraulic coupling, a fixed liquid housing, driving and driven bladed rotor elements revolving within said housing, said rotor elements being relatively positioned to form a work chamber for the transmission of work liquid from one rotor element to the other, said work chamber being in liquid communication with the chamber formed by said housing near the periphery of said rotor elements, liquid inlet means in said housing located adjacent the periphery of said rotor elements, means to regulate the quantity of liquid within said housing comprising means to admit liquid through said inlet to said housing at a controlled rate and means to continuously bleed liquid from the housing adjacent the periphery thereof at a controlled rate to provide for circulation, and means to measure the pressure of liquid within the housing adjacent the periphery of the latter.

2,601,549
RESTRICTING VALVE
Evans T. Morton, Chicago, and George R. Heidenblut, Des Plaines, Ill., assignors to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application January 2, 1947, Serial No. 719,670
3 Claims. (Cl. 62—8)



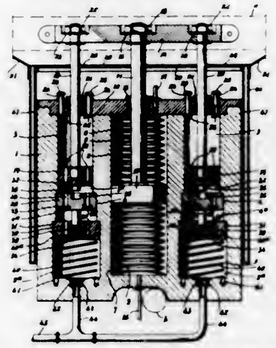
1. In a refrigerant circulating system, tubing forming alternative paths for refrigerant flow, one of said paths normally presenting less resistance to refrigerant flow than the other path, a restriction in the low resistance path, said restriction comprising a normally open valve including in combination, a valve body, a pair of diametrically opposed openings in said valve body communicating with the tubing, a plunger reciprocable in said valve body, said plunger having a portion substantially but not completely filling the cross sectional area of said valve body adjacent said openings so as to provide a capillary-like space between said plunger and said valve body when the valve is closed substantially to prevent the flow of liquid refrigerant therethrough but to permit the free flow of gaseous refrigerant therethrough, said plunger having a second portion of reduced cross sectional area adjacent said openings when the valve is open, and means associated with said plunger for moving said plunger in only one direction, said plunger returning to its first position by gravity.

2,601,550
PRESSURE ROLLER FOR DRAWING DEVICES
Albert Nau-Touron, Le Vesinet, France, assignor to Societe a Responsabilite Limitee Fonderie de Precision, Nanterre, France
Application September 21, 1945, Serial No. 617,880
In France October 1, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 1, 1961
1 Claim. (Cl. 19—142)



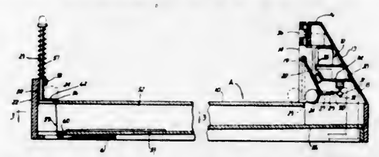
In a pressure roller of a drawing device for natural and artificial textile fibers, a hollow cylinder, means for simultaneously closing the ends of said cylinder and rotatably driving the same, the weight of said cylinder and said closing means being at the most equal to the minimum weight necessary for obtaining a drawing effect, one at least of said closing means being removable, a cylindrical device formed by a set of telescopical cylindrical tubes and insertable within said cylinder for varying according to the number of tubes simultaneously used the weight generating said drawing effect as a function of the nature of the fibers to be drawn, so that said inserted tubes are driven in the same rotary direction as that of said cylinder, whereby the upper and lower fibers of the sliver have the same displacements during the drawing operation, said tubes having a length slightly less than that of the free space within said cylinder and the outer tube of said set having an outer diameter comprised between the inner radius and diameter of the roll so that the angular speeds of said inserted tubes and said cylinder are near while said inserted tubes are submitted to the maximum driving torque, whereby the pressure exerted by the roller on the sliver of fibers is optimum and remains constant during a drawing operation.

2,601,551
SUSPENSION SYSTEM FOR VEHICLES
Miguel Navarro, Enrique Joaquin Llovet, and Aurelio Eduardo Llovet, Montevideo, Uruguay
Application November 21, 1947, Serial No. 787,300
In Argentina October 16, 1947
6 Claims. (Cl. 267—65)



1. An oscillation cushioning device for vehicles of the type in which an air cushion connected to a storage tank for compressed air is disposed between vehicle frame and wheel, and a pump adapted to be operated by the movement between frame and wheel is connected to said tank; said device comprising a casting block supported by the axle of said wheel, said casting block having a central bore and two lateral bores forming a central cylinder and two lateral cylinders, respectively, each of said lateral cylinders comprising a plurality of step cylinders, one above the other and of increasing diameters, a piston associated with each of said steps, a supporting member mounted at said frame, a central and two lateral piston rods secured at their respective top heads at said supporting member, the central piston rod having mounted thereon a piston associated with the central cylinder and the lateral piston rods being connected to the pistons associated with said top steps of said lateral cylinders and adapted for reciprocation relative to the respective cylinders on movement between said wheel and said frame; said central cylinder further having two resilient casings therein one on each side of the piston in said central cylinder, and each secured at one end to the latter and at the other end to an end of said central cylinder, said resilient casings being operative to support the frame relative to the associated wheel and forming pneumatic chambers, means for connecting said pneumatic chambers to said storage tank; the top heads of said lateral cylinders having air intakes connecting the space of said top step with the atmosphere, and check valves for controlling said air intakes, the bottom heads of said lateral cylinders each having a check valve connecting the space of the related bottom step to a pipe line leading to said storage tank, said pistons associated with the steps of said lateral cylinders having passages therethrough, connecting both sides of the respective pistons, check valves associated with said passages and adapted and disposed so as to be opened at the upstroke of said pistons associated with the steps of said lateral cylinders when the pressure above the respective valve associated with said passages exceeds that below the same, said check valves at the lateral cylinder heads being adapted and disposed so as to be opened at the downstrokes of said pistons associated with the steps of said lateral cylinders; thereby, to build up the pressure in said lateral cylinders stepwise between intake of atmospheric air and delivery to said storage tank to generate storable compressed air in said lateral cylinders, while maintaining the pressure in said pneumatic chambers within said central cylinder at a certain pressure level.

2,601,552
PIVOTED TARGET DEVICE
Victor Niewinski, St. Paul, Minn.
Application July 21, 1949, Serial No. 105,955
2 Claims. (Cl. 273—127)

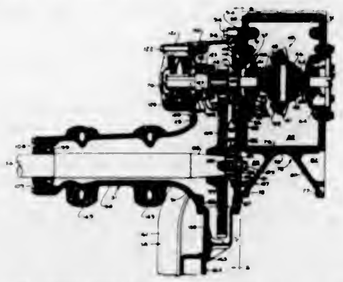


2. In a game device of the class described, an elongated alley, a plurality of substantially flat target members, means pivotally supporting the upper ends of said members above one end of the alley, a pit adjacent said one end of the alley for receiving balls rolled along said alley, said target members being susceptible of sufficient pivotal movement to permit the rolling balls to enter said pit and said flat target members deflecting said balls downwardly into the pit, and releasable latch means for latching said target members in the respective pivoted positions to which they are moved when struck by the rolling balls.

2,601,553
TRACTOR REAR AXLE FOR CROP CLEARANCE
Willard H. Nordenson, Rock Island, Ill., assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application March 6, 1948, Serial No. 13,491
10 Claims. (Cl. 180—75)

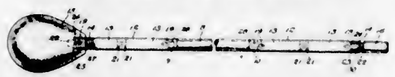
4. An agricultural tractor, comprising: a longitudinal rear casing including opposite vertical side walls and a bottom structure formed as a longitudinal tunnel having an arch portion providing a bottom wall in the casing and a pair of rigid downwardly extending side portions spaced apart laterally and integral with the bottom wall and respectively providing integral depending extensions of the casing side walls, each of said depending extensions having a laterally

outwardly opening pocket; depending housings respectively at opposite sides of the casing, each housing having an inner portion rigidly but removably secured to the proximate side wall and depending alongside and additionally secured rigidly but removably to the proximate depending extension, the inner portion of each of said housings having an opening alined transversely



with the proximate pocket; means on each depending housing including a laterally outwardly extending tubular axle housing transversely alined with the proximate opening and pocket; and an axle rotatably carried by each axle housing and extending laterally outwardly therefrom and having an inner end portion passing through said proximate opening and into the associated pocket.

2,601,554
BATON HAVING SELECTIVELY ILLUMINATED SECTION
John W. Peters, Cincinnati, Ohio
Application June 25, 1948, Serial No. 35,231
1 Claim. (Cl. 240—6.42)



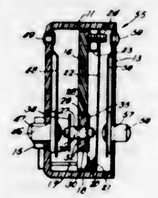
An illuminated baton which comprises a shaft of translucent material, a pair of cylindrical sleeves each having an end fixed upon an end of the shaft with free ends of the sleeves extending from and in alignment with the ends of the shaft, a pair of battery operated lighting units in each of the sleeves, each of said units comprising a cylindrical case disposed in the sleeve, a lamp at one end of each case, a switch button extending from the opposite end of the case, a battery in the case between the lamp and the switch button, electrical connections from the battery to the lamp to cause illumination of the lamp when the switch button is depressed, and spring means urging the switch button to light extinguished position when released, the lighting units of each pair having switch buttons in engagement so that the units are illuminated and shut off when advanced lengthwise toward and away from each other, and a pair of baton heads, each of said heads being formed of translucent material and being threadably attached to a free end of one of the sleeves and having a bearing surface engaging an outer unit of one of the pairs of units to advance the units of the pair toward each other when the head is turned in one direction, the units being released when the head is turned in the other direction, whereby the shaft and the heads are illuminatable by the units and the units may be lighted and extinguished by turning the heads of the baton, the ends of the shaft of the baton and the heads of the baton being provided with wells, the lighting units being reversible in the sleeves to dispose the switch buttons thereof in said wells, whereby at least one of the units may be maintained extinguished while other units are illuminated.

2,601,555
REPEATING TOY GUN
James K. Pope, Pleasant Ridge, Mich.
Application April 18, 1949, Serial No. 88,151
11 Claims. (Cl. 124—13)



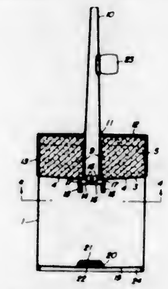
1. A repeater toy gun for projecting a series of projectiles therefrom without requiring reloading which comprises an air compression chamber provided with a discharge opening having a first yieldable sealing ring resisting movement of a projectile outwardly therefrom, an inlet opening in said chamber having a second yieldable sealing ring surrounding said inlet opening and permitting entry of a projectile into said chamber, said rings having internal diameters smaller than the diameter of a projectile, means associated with said second ring preventing return movement of a projectile out of said chamber, a magazine for presenting a series of projectiles to said chamber, said chamber being dimensioned to receive at least a pair of projectiles simultaneously, and means for admitting air under pressure to said chamber to seat one projectile on said inlet opening and thereafter to expel the other projectile from said discharge opening.

2,601,556
SNAP SWITCH
Robert E. Prouty, Logansport, Ind., assignor to Essex Wire Corporation, Logansport, Ind., a corporation of Michigan
Original application October 31, 1947, Serial No. 783,412. Divided and this application August 30, 1950, Serial No. 182,207.
2 Claims. (Cl. 200—67)



2. In a switch, in combination, a single wall support, a bracket fastened to said support, a spring secured in cantilever fashion at one end to said bracket, a pair of contacts one being stationarily mounted and the other being mounted at the other end of said spring for movement therewith and relative to the one contact, a permanent magnet having an aperture therein mounted in said support, a non-magnetic actuator slidingly journalled in the aperture of said magnet, transversely of said support; an armature carried by said actuator and movable therewith toward and away from said magnet, said actuator cooperating with said spring to effect movement thereof and of said other contact relative to said one contact, push button means disposed on one side of said support, selectively engageable with one end of said actuator, for manually effecting axial movement of said actuator in one direction, and additional push button means disposed on the opposite side of said support for likewise effecting axial movement of said actuator in an opposite direction.

2,601,557
OILING DEVICE
Ross A. Raguss, Alton, Ill.
Application April 20, 1949. Serial No. 88,542
5 Claims. (Cl. 103—130.1)



1. An oiling device comprising a body member closed at its lower end and open at its upper end with a partition between its ends and secured peripherally to the body member, said partition having a substantially central opening for the reception of a tubular member, a tubular member in alignment with the opening in said partition, a spout having its end portions tapered in opposite directions and its intermediate portion cylindrical, a cap fitting the open end of the body member and provided with a central opening through which said spout passes and to the edge of which said spout is secured, the cap being threadedly connected to the body member, pins projecting inwardly from the inner face of the partition, a plate slidably mounted on said pins and fitting tightly against the partion to close the opening therethrough when the spout is removed from the body member, and springs on said pins and pressing against said plate to force the same against the partition when the spout is removed.

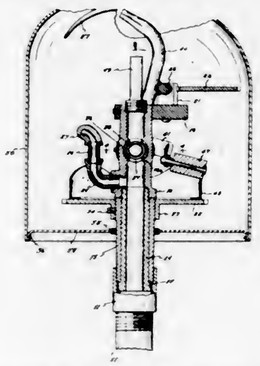
2,601,558
CONVEYER FOR GRAIN AND LIKE MATERIALS
Arnold Redler, Stroud, England, assignor to Arnold Redler Limited, Stroud, county of Gloucester, England, a British company
Application April 11, 1950, Serial No. 155,147
In Great Britain February 15, 1949
13 Claims. (Cl. 198—164)

1. An en masse conveyor comprising, in combination, a trunk-like conduit having a portion adapted to receive material to be transported and a discharge portion, a plurality of spaced, endless, chain-like members comprising laterally extending, spaced flight elements and adapted to engage and transport material within said conduit and between said portions, and driving means for advancing said members within said conduit under tension, each of said members being positioned to travel in close proximity to the inner surface of said conduit with its material-engaging portion within said conduit and the remainder of said member exteriorly of said conduit, the discharge portion being positioned



in the direction of material flow, beyond the point at which at least one of the chain-like members leaves the interior of the conduit.

2,601,559
PATTERN SPRINKLER
Royal N. Riblet, Spokane, Wash.
Application June 28, 1950, Serial No. 170,909
5 Claims. (Cl. 299—18)

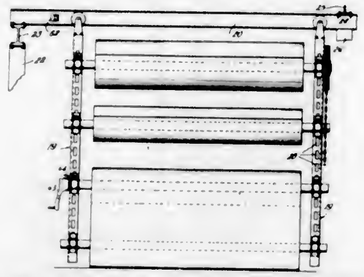


2. In a sprinkler, a hollow upright supporting member for connection to a source of water under pressure, a valve body rotatably mounted by the supporting member to rotate on a vertical axis and having its inlet open to the interior of said member, a tubular valve extending through the body on a horizontal axis and rotatably mounted in the body, said valve having an inlet port in the side wall thereof opening more or less to the interior of the valve body as the valve is rotated on its axis, said valve having an end outlet, a spray nozzle carried by said valve and connected to said outlet, said nozzle being directed in a plane transverse to the axis of the valve, means to rotate said valve body on the member, and means, operable as the valve body rotates, to rock the valve on its axis.

2,601,560
CARPET RACK OR THE LIKE
Claud C. Riemenschneider, Western Springs, Ill.
Application October 27, 1945, Serial No. 625,043
5 Claims. (Cl. 242—55.3)

1. In equipment of the class described for storing and handling cylindrical rolls of material,

the combination of an overhead track, a pair of uprights each independently suspended endwise from the track through wheeled engagement at its upper end with the track and freely and independently movable therealong, and a plurality of



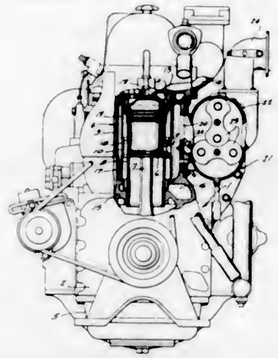
roll supporting spindles extending between and rotatably mounted in vertically spaced relation on the uprights, said uprights being held at corresponding intervals respectively therealong in spaced apart conjointly movable relation by said spindles.

2,601,561
SYNTHETIC DRYING OILS FROM POLYVINYL ALCOHOL AND METHOD OF PRODUCTION
Glenwood L. Schertz, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 5, 1949, Serial No. 91,628
20 Claims. (Cl. 260—23)

1. A water-insoluble reaction product of a polyhydric alcohol and at least one mol per hydroxyl mol of the polyhydric alcohol of an ethylenically unsaturated fatty acid material of the group consisting of unsaturated fatty acids containing at least 14 carbon atoms and mixtures thereof, said polyhydric alcohol being a member of the group consisting of polyvinyl alcohols having an average molecular weight of from 6,000 to 80,000 and such polyvinyl alcohols which are acetylated to any extent up to and including 60%.

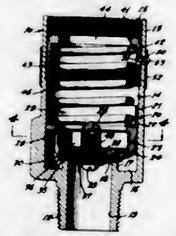
2,601,562
PRIMING APPARATUS FOR INTERNAL-COMBUSTION ENGINES
Karl P. Schoeppner, Whitefish Bay, and Colman F. Zaitz, Port Washington, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application February 16, 1950, Serial No. 144,516
5 Claims. (Cl. 123—187.5)

1. In an improved priming apparatus for an internal combustion engine of the two cycle type having an air box, cylinder sleeves mounted in said box, air inlet ports in said sleeves forming a communicating passage between said air box and the interior of said sleeves, pistons within said sleeves movable to cover said air inlet ports when in upper position and to clear said ports when in lowered position, and an air forcing means connected to said air box to deliver a continuous flow of air under pressure thereto to continuously maintain pressure therein in excess of atmospheric pressure, the improvement in said priming apparatus for such an engine which comprises priming fuel pressure applying means, spray nozzles connected thereto to be supplied thereby, said nozzles being positioned between said air forcing means and said air inlet ports of said engine, at least one of said nozzles being positioned opposite inlet ports of at least one



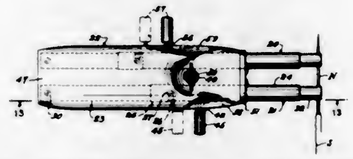
of the engine cylinders and directed to inject priming fuel through said air inlet ports into said cylinder.

2,601,563
RELIEF VALVE
Marlowe F. Selwyn, Los Angeles, Calif., assignor to Selwyn-Landers Company, Los Angeles, Calif., a copartnership
Application October 30, 1948, Serial No. 57,438
1 Claim. (Cl. 137—53)



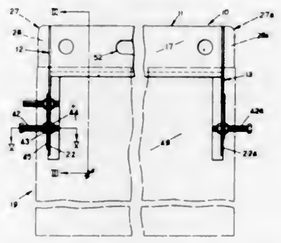
A relief valve comprising a valve body having a cylindrical chamber including a threaded opening at one end, a valve seat at the bottom of the chamber spaced inwardly from the wall thereof and a passage through the valve seat to the other end of the valve body, a valve element comprising a double cup-like member having a bottom including a valve facing on the exterior cooperable with said valve seat, an undercut hollow interior of smaller diameter adjacent the bottom, a hollow interior of greater diameter adjacent the rim forming a shoulder between said hollow interiors and a central opening between said hollow interiors within said shoulder, said cup-like member having straight side wall portions extending from the rim to the bottom adapted for sliding contact with the interior of the cylindrical chamber, the wall of the cup-like member adjacent the hollow interior of smaller diameter having oppositely disposed arcuate recesses adjoining said straight side wall portions at opposite sides providing passages from the chamber bottom into the interior of the cup-like member, a spring keeper ring threadedly mounted in said threaded opening, said keeper ring having a shoulder and a central opening in the bottom corresponding in diameter to the shoulder and opening in the upper part of the cup-like member, and a compression coil spring engaging said shoulders and surrounding said open bottoms.

2,601,564
SUTURING DEVICE
David P. Smith, Meriden, Conn.
Application July 8, 1950, Serial No. 172,715
10 Claims. (Cl. 128—340)



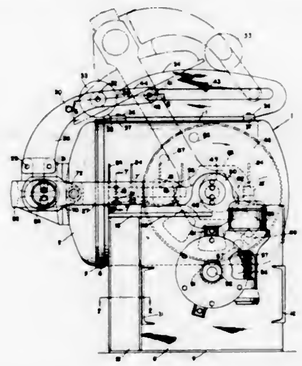
1. In a suturing device, an elongated handle adapted to be held in one hand, a pair of needle holders mounted within said handle, said needle holders projecting forwardly of said handle and comprising gripping elements adapted to grip opposite end portions of a needle at the front ends of said needle holders, and means for operating said gripping elements including a pair of manually operable arms on said respective needle holders and projecting transversely outward in opposite directions through openings in said handle, said arms normally being disposed in longitudinally-offset relation with respect to said handle, whereby said gripping elements may be operated by different fingers of a hand embracing the handle.

2,601,565
DOOR MOUNTING
Wesley A. Smith, Ferndale, Mich., assignor to Tilt-A-Door Corporation, Detroit, Mich., a corporation of Michigan
Application December 6, 1949, Serial No. 131,290
11 Claims. (Cl. 20—16)



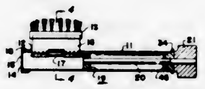
11. In closure construction, for providing a closure swingable on a horizontal axis and supported on a frame peripherally surrounding said closure, the combination comprising: a panel; a frame-work for supporting said panel comprising a beam, a pair of arms extending respectively from each end of said beam and a pair of pivot means positioned respectively on each of said arms at points thereon spaced from said beam, said pivot means being adaptable for pivotal support in said frame, said arms being affixed to said beam for limited pivotal movement with respect thereto and means clamping said arms in a selected position with respect to said beam; means mounting said panel onto said arms adjacent said beam.

2,601,566
CLOSURE OPERATING MECHANISM
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine and Engineering Company, Akron, Ohio, a corporation of Ohio
Application March 24, 1949, Serial No. 83,202
20 Claims. (Cl. 268—74)



1. A closure means for containers comprising a door, a link pivoted at one end to said door, a gear to which the other end of said link is eccentrically pivoted, and means on the gear arranged to raise said link after a predetermined degree of rotation of the gear, whereby the link is moved by the eccentric pivoting in one phase of rotation of the gear, and is swung in unison with the gear by the said means in another phase of rotation of the gear.

2,601,567
MANUALLY DRIVEN TOOTHBRUSH
Leon Josef Steinberg, Baltimore, Md.
Application October 6, 1947, Serial No. 778,118
3 Claims. (Cl. 15—22)



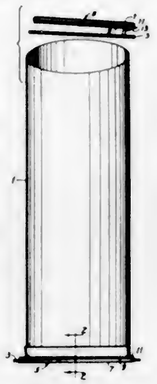
1. A tooth brush comprising an open-ended hollow shell having a longitudinal slot merging with one of said open ends, a closure for said shell adjacent the end of said slot, a shaft in said shell, inner and outer spaced-apart supports in said shell for said shaft, the inner support being fast with the shaft and being rotatable in the shell, the outer support constituting a closure for the end of said shell opposite the longitudinal slot, a handle mounted on the end of said shaft adjacent said last mentioned closure and extending outside of the shell, a stub shaft eccentrically mounted on the inner support and being fast therewith and extending between said support and the adjacent end of the shell to a point short of said first mentioned closure, and a tooth brush insertable through the aforesaid slot and secured to and swingable with said stub shaft, said brush having its bristles wholly outside said shell, said handle operating said shaft for oscillating said stub shaft and said brush.

2,601,568

CLOSURE FOR FLEXIBLE TUBING

Paul Sussenbach, St. Louis, and Clem J. Young, Florissant, Mo., assignors to The Presstite Engineering Company, St. Louis, Mo., a corporation of Missouri

Application February 18, 1948, Serial No. 9,308
2 Claims. (Cl. 229—65)



1. A closure for the end of a length of thin flexible sheet tubing or the like, comprising an elongate rod of substantially circular cross section around which the end of the tubing is flattened and doubled, and an elongate thin-walled resilient clamp having an arcuate clamping portion removably and resiliently embracing the entire doubled portion of the tubing around the rod, said clamp being of such cross section as to press the doubled portion of the tubing on opposite sides of the rod against the rod to form a tight closure, opposite side walls of the arcuate portion curving toward one another to form a narrow slot and diverging outward from the slot to form a throat decreasing in width toward the slot, said throat, slot and resilience of the clamp guiding and admitting the rod and doubled tubing laterally into the tubular clamp throughout its length, the tubing extending from within the arcuate portion through the slot and throat.

2,601,569

AQUEOUS SOLUTION OF RIBOFLAVIN

Chester M. Suter, Albany, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 28, 1951, Serial No. 223,639
4 Claims. (Cl. 167—81)

1. An aqueous composition comprising riboflavin in a concentration higher than that obtainable in water alone and a non-toxic, water-soluble salt of a hydroxynaphthoic acid as a solubilizer.

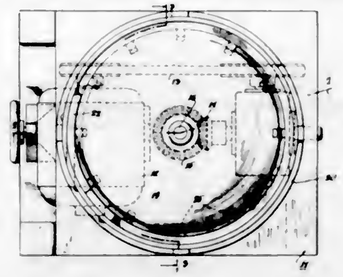
2,601,570

FEEDING APPARATUS

Harold F. Suthers, Ridgefield Park, N. J., assignor to Mundet Cork Corporation, North Bergen, N. J., a corporation of New York

Application June 25, 1949, Serial No. 101,455
5 Claims. (Cl. 222—9)

1. An apparatus of the character described including in combination a rotatable element presenting a peripheral edge portion formed with recesses, magnets mounted within said recesses, said peripheral portion and the magnets mounted thereon being disposed with aligned uninterrupted grooves, and a stripper disposed adjacent said element and extending into said grooves.

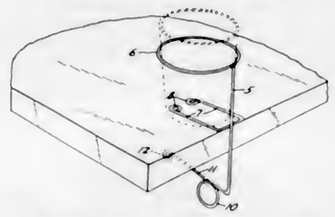


2,601,571

GLASS STAND

William C. Sverkerson, Robbinsdale, Minn., assignor of one-half to Roy Petefish, Minneapolis, Minn.

Application January 6, 1951, Serial No. 204,759
1 Claim. (Cl. 211—74)



A glass holder for a table or other object having a similar peripheral portion comprising a stiff but resilient upright rod, an open-framework glass-engaging element secured to the upper end portion of said rod, and an open-framework table-top-engaging element mounted on the medial portion of said rod and extending horizontally therefrom, the lower end portion of said rod being bent inwardly, then downwardly and then reversed upon itself to extend upwardly and inwardly to a point adjacent to and below said table-top-engaging element to provide a resilient arm to engage the underside of the table and exert the necessary clamping force in conjunction with said table-top-engaging element to maintain said rod and hence the glass engaged by said glass-engaging element in upright position.

2,601,572

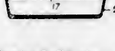
POLYMERIZABLE COMPOSITIONS, INCLUDING 4-ALLYLOXYMETHYL-1,3-DIOXOLANE AND POLYMERIZATION PRODUCTS THEREOF

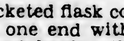
Walter M. Thomas, Springdale, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

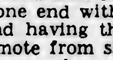
No Drawing. Application August 10, 1950, Serial No. 178,756
13 Claims. (Cl. 260—85.5)

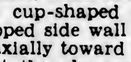
1. A polymerizable composition comprising (1) 4-allyloxymethyl-1,3-dioxolane and (2) a compound which is copolymerizable with the compound of (1) and which is represented by the general formula

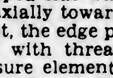
where R represents a member of the class consisting of hydrogen, halogen, and alkyl, cycloalkyl, aryl, alkaryl and aralkyl radicals, and R′ represents a radical of the class consisting of an aryl radical and radicals represented by the formulas

(a) 

(b) 

(c) 

(d) 

(e) 

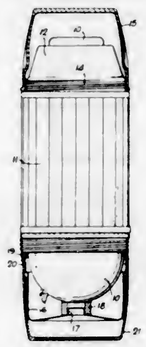
where R″ represents a radical of the class consisting of alkyl, alkoxyalkyl and carbocyclic radicals, the ingredients of (1) and (2) being present in the said polymerizable composition in the ratio of from 3 to 97 molar percent of the former to form 97 to 3 molar percent of the latter.

2,601,573

JACKETED VACUUM FLASK

Ernest Venis, Hatch End, England, assignor to The British Vacuum Flask Company, Limited, London, England, a British company

Application October 28, 1949, Serial No. 124,043
In Great Britain November 1, 1948
4 Claims. (Cl. 215—13)



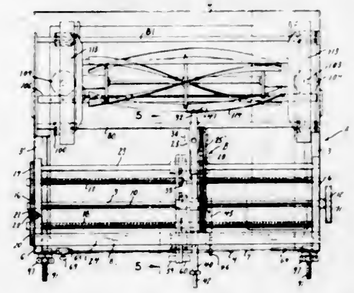
1. A vacuum jacketed flask comprising an outer casing formed at one end with a portion of reduced diameter and having threads at the end portion thereof remote from said portion of reduced diameter, a cup-shaped closure element formed with a stepped side wall defining an annular seat facing axially toward the open end of said closure element, the edge portion of said side wall being formed with threads for removably attaching said closure element to said threaded end portion of the outer casing, a silvered flask disposed within said casing, resilient suspension means for cushioning said flask within said outer casing, said suspension means including a first resilient packing ring carried by said portion of reduced diameter for engagement around the neck of the flask, a resilient buffer element interposed between the base of said flask and the bottom of said closure element and a second resilient packing ring disposed between said remote end of said casing and said annular seat of the closure element to be axially compressed by the latter when it is threaded onto said casing so that said second resilient packing then presses radially upon the flask intermediate the ends of the latter, and two cup-like drinking vessels detachably mounted on said portion of reduced diameter and on said closure element.

2,601,574

LAWN MOWER SHARPENING MACHINE

Ashley L. Weaver, Maplewood, Mo., assignor, by decree of distribution, to Edith Weaver

Application August 2, 1948, Serial No. 41,927
6 Claims. (Cl. 51—48)



2. In a lawn mower sharpening machine, a base frame having transversely extending slides, a grinder carriage shiftably mounted on said slides for to-and-fro movement transversely across said frame, a cradle having a pair of laterally spaced side frames, each side frame having a pair of spaced upstanding legs, a bracket having spaced side portions mounted upon the upper ends of said pair of legs, a pair of upwardly presented spaced parallel rollers mounted in each bracket for supporting the wheels of a lawn mower while allowing said wheels and the associated rotary cutter element of the lawn mower to rotate substantially freely, and means for holding the lawn mower in such supported position within the cradle.

2,601,575

ANTIKINK ORNAMENTAL CHAIN

Hermann Weinacker, Short Hills, and Frederick A. Dieterich, Maplewood, N. J., assignors to Universal Chain Co. Inc., Maplewood, N. J., a corporation of Rhode Island

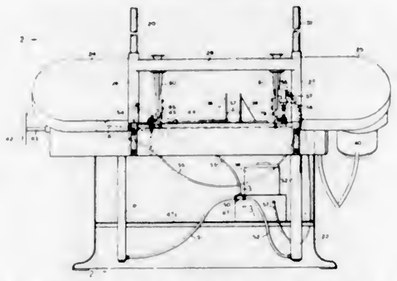
Application November 3, 1949, Serial No. 125,196
2 Claims. (Cl. 59—80)



1. An anti-kink chain comprising a plurality of links each having a closed loop at each end, and a plurality of elongated links formed of wire each having an end loop interlinked with one of said closed loops, intermediate portions of said end loops being flattened to provide an enlargement at each of opposite sides of and in closely spaced relation to the corresponding

closed loop, said enlargements being of such dimensions that they cannot slip through said closed loops, thereby limiting sliding of said closed loops longitudinally of said elongated links so as to prevent kinking of the chain.

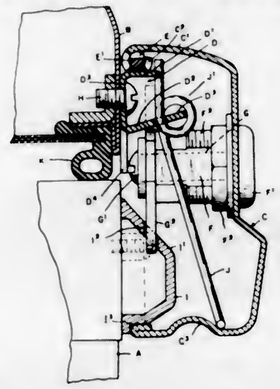
2,601,576
POWER SAW CONTROL
William F. Wells and Dana H. Wells, Three Rivers, Mich.
Application July 6, 1949, Serial No. 103,206
2 Claims. (Cl. 29—68)



1. Power saw apparatus comprising a fixed, work-supporting bed, a saw blade of endless type, carriage means for supporting said saw blade, means for producing continuous movement of said saw blade, a fluid power cylinder fixed with respect to said bed, a piston reciprocable in said cylinder and operatively linked to said carriage in such manner that introduction of fluid power to said cylinder produces motion of said carriage away from said work, and escape of fluid pressure from said cylinder produces advance of said carriage towards said work, a valve for controlling escape of fluid power from said cylinder whereby to permit saw advance to cutting relationship with said work said valve being provided with a seat and a plunger reciprocable towards and away from said seat whereby to correspondingly vary fluid pressure escape, spring means normally biasing said plunger to valve-open position, an idler roll carried by said plunger and contacting the rear edge of said saw blade whereby backward flexure of said blade responsive to increase in cutting resistance causes valve-closing movement of said plunger to thereby reduce the rate of advance of said saw in inverse proportion to said cutting resistance, a movable arm carried by said carriage and having a second idler roll in contact with the rear edge of said saw blade at a point spaced from said first roll contact, and a second spring means biasing said movable arm to produce contact between said second roll and said blade, said first spring and said second spring being matched to produce approximately equal biasing forces on each saw blade at their respective points of contact with said blade.

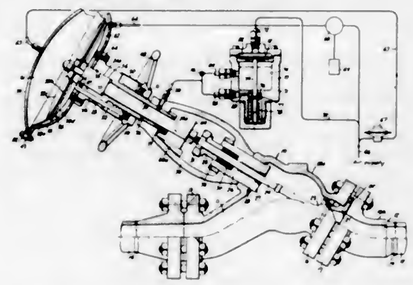
2,601,577
LATCH AND HANDLE MECHANISM
Harland W. Whitmore, Kenosha, Wis., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application September 29, 1947, Serial No. 776,747
5 Claims. (Cl. 70—9)

2. Latch and handle mechanism for attachment to the forward edge of a hinged cover normally closing an open topped box and for cooperation with a keeper located adjacent the front upper edge of the box and having a downwardly and forwardly inclined upper camming surface and a bottom generally horizontal latching surface, said latch and handle mechanism comprising a generally channel shaped bracket having a web and vertically spaced substantially horizontal top and bottom flanges, means in its web for securing said bracket to the front edge of the cover with its flanges extending forwardly from the cover, pivot pins carried by said top flange and extending beyond the ends thereof, a latch handle of generally hollow rectangular shape having an outer wall, end walls, and a top and bottom wall, and being



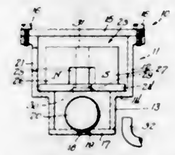
open at its rear, the rear edge of said top wall having downwardly and inwardly curved tongue portions embracing said pins to form a hinge connection between said handle and bracket, the inner edge of the bottom wall of said handle adapted to be positioned to engage the camming surface of the keeper on downward swinging of the cover of the box and to engage under the latching surface of the keeper when the cover is in closed position, and resilient means located within the hollow handle urging the handle for rocking movement about said pivot pins in a direction to cause the bottom wall of said handle to move inwardly.

2,601,578
VALVE CONSTRUCTION
Richard M. Witt, San Francisco, Calif., assignor, by mesne assignments, to M & J Engineering Co., a partnership
Application October 6, 1945, Serial No. 620,771
4 Claims. (Cl. 137—139)



1. In fluid pressure operated apparatus, valve means comprising a valve body and a valve member within the body movable in opposite directions between open and closed positions, a valve rod attached to the valve member and extending to the exterior of the body, and a fluid pressure operated diaphragm having an operative connection with the exterior end of the valve rod, mounting means for said diaphragm including means forming gas chambers upon opposite sides of the diaphragm, that chamber remote from the valve body being adapted to receive a substantially constant gas pressure to provide a substantially constant loading force upon the diaphragm, the other chamber being adapted to receive gas at varying pressures to thereby cause movement of the diaphragm with consequent corresponding movement of the valve rod and valve member, mechanical means interposed between the diaphragm mounting and the valve member for moving the diaphragm in a direction away from the valve member, and hydraulic means operative to lock movement of the valve rod in a direction towards the valve body.

2,601,579
CURIE POINT VALVE
Robert A. Wittmann, Chicago, Ill.
Application May 22, 1948, Serial No. 28,640
6 Claims. (Cl. 236—88)



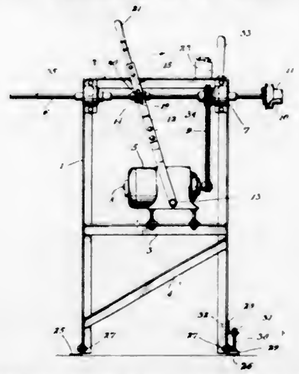
1. In a valve, in combination, a valve housing of non-magnetic material adapted to be located in an upright position and having intake and exhaust ports one of which is located in the bottom of said housing and the other is located in the upper part thereof, a valve member of magnetic material gravity biased to close said one port, a permanent magnet of inverted U-shape in said upper part of said housing for attracting said valve member to move the same upwardly and open the valve by placing said ports in communication through the passageway between the downwardly extending poles of said permanent magnet, and a ring of Curie point metal underneath said permanent magnet for shunting its flux when said metal is below its Curie point whereby said valve member is not attracted and the valve remains closed, the opening in said ring registering with said passageway.

2,601,580
HYPODERMIC NEEDLE
Bronislow J. Yanus, Jamaica Plain, Mass.
Application January 24, 1951, Serial No. 207,507
2 Claims. (Cl. 128—221)



1. A hypodermic needle comprising a cannula having a pointed outer end, a heel portion adjacent that end and a bore intervening such portion and the outer end, said needle being flattened to minimize its height from a point adjacent its outer end to a point to the rear of said heel portion.

2,601,581
POLISHING APPARATUS
Frank J. Zeller, Brooklyn, N. Y.
Application February 15, 1950, Serial No. 144,243
2 Claims. (Cl. 51—232)



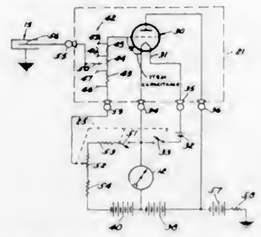
2. Polishing apparatus comprising a framework having an upright post at each side, a shaft, bearings on the framework adjacent the tops of said upright posts for slidably and rotatably mounting said shaft, a motor on the framework connected to operate the shaft, a crosspiece between said uprights supporting said motor, a lever pivoted adjacent the motor and engaging the shaft for imparting longitudinal movement thereto, a cross bar to which an upright post at one side of the framework is pivotally connected at the bottom, a second cross bar to which the lower end of the upright post at the opposite side is pivotally connected, a third cross bar above the second cross bar and rigidly connected thereto and a stop on the third cross bar for the last-named upright.

2,601,582
FISHING REEL
Edward L. Zientowski, Toledo, Ohio
Application March 4, 1950, Serial No. 147,660
3 Claims. (Cl. 242—84.6)



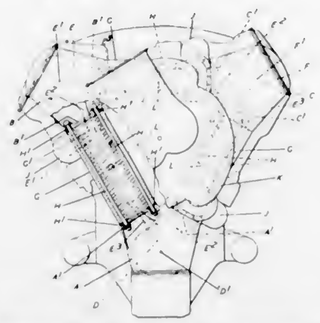
1. In a fishing reel, in combination, a frame, a line receiving drum journaled for rotation on said frame, means for rotating the drum including a gear member connected to said drum; a centrally pivoted bellcrank, a frictionally braked gear mounted at one end of said bellcrank, for movement into engagement with said first mentioned gear, resilient means for normally biasing said frictionally braked gear out of engagement with said first mentioned gear, a click wheel connected to said drum, a pawl for engaging said click wheel, means for normally disengaging said pawl from said click wheel, and a thumb control bar, one end of which is connected to the other end of said bellcrank and the other end of which abuts said pawl, said thumb control bar being movably mounted to engage said braked gear and said pawl simultaneously.

2,601,583
RADIATION MEASURING INSTRUMENT
Charles O. Ballou, Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application May 26, 1947, Serial No. 750,468
9 Claims. (Cl. 250—27)



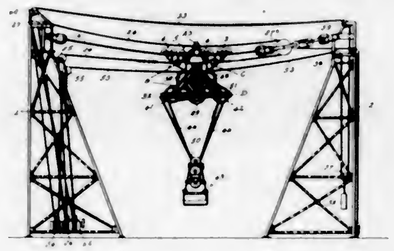
1. In a tube circuit including a multielement tube, in combination, means for automatically space charge limiting the tube to prevent destabilization and damage to the cathode during its warm-up period comprising a predetermined negative grid bias potential supply which is normally on the grid when the tube is non-operative, means for applying a normal potential to said grid, a normally open switching element for controlling the application of said normal potential to the grid, cathode heating means, a second normally open switching element for controlling the operation of said heating means, and a mechanical connection between said two switching elements for constraining said elements to simultaneous operation, the grid circuit involving a resistance-capacitance time delay network such that when normal operating potentials are applied to the tube the grid remains sufficiently negative to space charge limit the emission of the cathode until it reaches normal operating temperature.

2,601,584
INTERNAL-COMBUSTION ENGINE
Benjamin William Barlow, Sudbury, Wembley, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application March 31, 1950, Serial No. 153,053
In Great Britain April 28, 1949
3 Claims. (Cl. 121—194)



1. A reciprocating internal combustion engine comprising three parallel crankshafts each supported and housed in a crank case structure, cylinder blocks extending between each adjacent pair of crank cases and containing cylinders in the opposite ends of which reciprocate pistons connected respectively to the adjacent crankshafts, wherein the faces of the cylinder blocks which engage surfaces on the crank cases are approximately at right angles to the cylinder axes and each cylinder block is connected to each of its adjacent crank cases in a manner permitting limited relative sliding movement during assembly between the engaging surfaces of the cylinder block and the crank case towards and away from the adjacent cylinder block.

2,601,585
CABLEWAY
Norman S. Bateman, Toronto, Ontario, Canada, assignor to Construction Improvements Limited, Toronto, Ontario, Canada, a company of Canada
Application March 22, 1949, Serial No. 82,800
13 Claims. (Cl. 212—72)

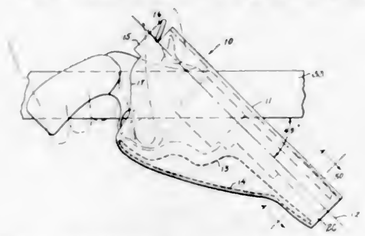


1. In a cableway of the kind including a track cable, a carriage incorporating a load drum and a sheave for operating the drum, and endless conveying and transmission lines for traversing the carriage and operating the sheave, respectively: the carriage comprising a primary beam member, secondary beam members spaced apart above and each having a single point, pivotal connection with the primary beam member, at least four two-wheeled trucks for riding the track cable, each truck having a single point, pivotal connection with one of the secondary beam members, an idler sheave for riding the return stretch of the conveying line, a support for such idler sheave mounted on the primary beam member, connections at opposite ends of the primary beam member for the ends of a conveying line, and a hanger structure suspended from and having a single point, pivotal connection with the primary beam member, the axis of said connection being normal to a vertical plane passing through the track cable and a load drum and sheave mounted on said suspended hanger structure.

2,601,586
HOLSTER
Loyd J. Brice, Portland, Oreg.
Application December 2, 1946, Serial No. 713,536
3 Claims. (Cl. 224—2)

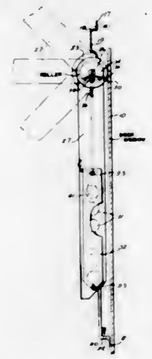
1. A hand-gun holster comprising a piece of moldable material folded upon itself and shaped to form a case having an open, upper hand-gun-receiving end, a relatively small, integral hammer-enclosing flap extending across the hammer-surrounding portion only of said open end from the front side wall of the case, a snap fastener including a portion carried on said flap and a cooperating portion mounted on the outside surface of the rear side wall of said case, said flap being so constructed and arranged that an edge

of its snap-fastened end stands out from the side of the case to permit digital engagement



thereof by the wearer, and belt-embracing means on said rear side wall beneath said flap.

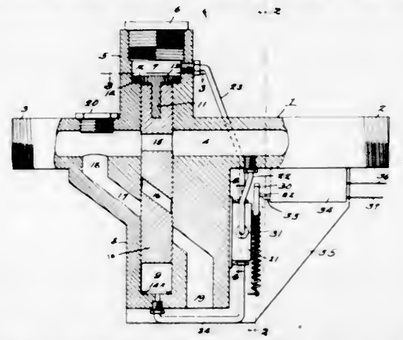
2,601,587
DIRECTIONAL SIGNAL FOR VEHICLES
Louis Burmeister and Harold S. Hollnagel, Milwaukee, Wis.
Application November 23, 1949, Serial No. 129,042
3 Claims. (Cl. 177—327)



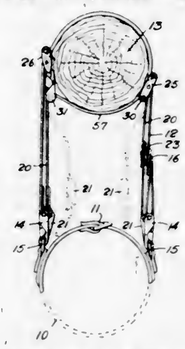
1. A direction signal for automobiles comprising an attachment arm for securing the same to the left front door of an automobile adjacent to the window thereof, a semaphore arm pivoted to said attachment arm, resilient roller means fixed to said semaphore arm and operable to lift said arm by friction with the door window, an electric bulb disposed in said semaphore arm, and means for closing an electrical circuit and energizing said light bulb during a portion of the movement of said semaphore arm.

2,601,588
AIR HAMMER SAFETY VALVE
Clay A. Bushey, Los Angeles, Calif.
Application September 26, 1947, Serial No. 776,378
1 Claim. (Cl. 137—658)

A safety valve for work tools, comprising a housing having a bushing adapted to be connected with the air supply line of a tool, through which compressed air passes to such a tool, a transversely arranged valve casing having an upper compression chamber and a lower exhaust chamber, said exhaust chamber having registering exhaust ducts, one of said ducts connecting with the air supply line, the other exhaust duct communicating with the atmosphere, a reciprocable safety valve operated within the casing, said valve having a port normally open to the air supply line, said valve also normally closing said exhaust ducts, a head on one end of the safety valve operating in said compression chamber, a cylindrical valve casing mounted on the housing, having an outlet port open to the atmosphere, a rotary control valve in said cylindrical valve casing, an operating arm and lug on said rotary control valve, a pipe establishing communication between the exhaust chamber and cylindrical valve casing, a pipe establishing communication between the cylindrical valve casing and compression chamber, an air supply pipe establishing communication between said bushing and said cylindrical valve casing through which air normally passes to said exhaust chamber, means for retaining the control valve in its normal position including an open electric circuit and a solenoid in said circuit, a spring biasing said control valve away from its normal position, said solenoid cooperating with said lug whereby the control valve is released when said circuit is closed and is moved under its bias to a position in which communication is established between the air supply pipe and the upper compression chamber and between the exhaust chamber and the atmosphere, said safety valve thereby closing said port normally to the air supply line and opening said exhaust ducts.



2,601,589
LINEMAN'S BELT
Fred C. Childers, Sr., West Monroe, La.
Application July 25, 1951, Serial No. 238,453
2 Claims. (Cl. 227—49)



1. In a lineman's belt, the combination with a body belt portion having attaching rings, and an outer safety belt portion detachably secured to the rings of the body portion and adapted to encircle the outer side of a pole or the like; of

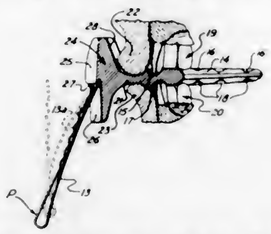
an inner safety belt having means for attachment to the rings of the body belt and buckles for attachment to the outer belt, said buckles including roller means for guiding a portion of the inner belt to encircle the pole on the opposite side from the outer belt.

2,601,590

DEVICE FOR OPENING BOBBY PINS

Walter F. Cogswell, Colorado Springs, Colo., assignor to Bobopen, Inc., Colorado Springs, Colo., a corporation of Colorado

Application June 6, 1947, Serial No. 752,915
13 Claims. (Cl. 132—1)



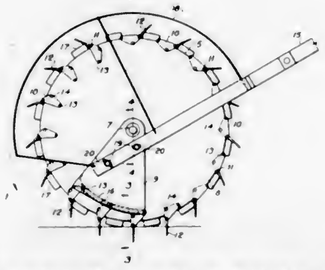
8. A mouth-supported device for opening bobby pins, comprising a mouthpiece adapted to be positioned within the mouth of a user and including a segmental convex surface, an external member adapted to be positioned outside the mouth of the user and having a portion connecting it to said mouthpiece, and an undercut shoulder carried by the outer face of the external member, said outer face having an upwardly and rearwardly inclined guide surface adapted to direct the free ends of a bobby pin into engagement with said undercut shoulder, said shoulder serving to resist the movement of one free end of the bobby pin while the other free end thereof is being drawn away from said first end.

2,601,591

SOIL PENETRATING ROLLER

Benjamin D. Colombo, Oakland, Calif., assignor of forty-nine one hundredths to Herbert F. Erickson, San Leandro, Calif.

Application April 5, 1947, Serial No. 739,696
2 Claims. (Cl. 97—52)



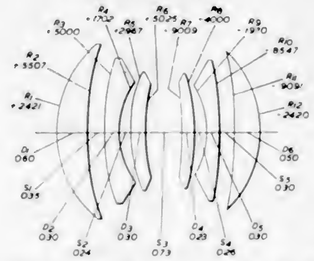
1. A machine for making straight holes in a lawn or other ground, comprising a roller, a plurality of circumferentially spaced rods around the roller, ground piercing members extended from each rod, rockable supports for the rods on the roller, a cam device non-rotatably carried with said roller in predetermined relation between the ground and the axis of the roller and extending to about the line of the vertical diameter of the roller, a cam follower on said rockable support engaging said cam device during the ground piercing positions of said piercing members substantially perpendicular with respect to said ground and being disengaged from said cam device at said vertical line.

2,601,592

CORRECTED OPTICAL OBJECTIVE COMPRISING SIX SIMPLE COMPONENTS AXIALLY ALIGNED AND AIR SPACED APART

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a British company

Application March 5, 1951, Serial No. 213,833
In Great Britain February 15, 1951
19 Claims. (Cl. 88—57)



1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising six simple components axially alined and air spaced apart, a diaphragm approximately in the middle of the objective having three of such components on either side thereof, the two outermost and the two innermost of such components being convergent whilst the other two are divergent, the outer surfaces of the outer components and the inner surfaces of the divergent components and the surfaces of the inner components all being concave towards the diaphragm, the sum of the equivalent focal lengths of the two convergent inner components lying between 1.8F and 2.6F where F is the equivalent focal length of the whole objective, the arithmetic mean between the positive values of the radii of curvature of the outer surfaces of such inner components lying between .22F and .44F.

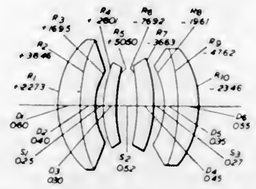
2,601,593

FOUR COMPONENT OPTICAL OBJECTIVE

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a British company

Application March 8, 1951, Serial No. 214,508
In Great Britain February 15, 1951
19 Claims. (Cl. 88—57)

1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising two doublet divergent outer components each having an outer convergent element and an inner divergent element, two simple convergent inner components located between such outer components, and a diaphragm located between the two inner components, said components and diaphragm being air spaced in axial alinement and all four components being of meniscus form with their air-exposed surfaces concave towards the diaphragm, the arithmetic mean of the curvatures of the internal contacts in the doublet components (a curvature being reckoned for this purpose as positive when the internal contact is concave towards the diaphragm) being algebraically less than $+3.5/F$ where F is the equivalent focal length of the objective and greater than $2(10x-1)/(10x+1)F$, where x is the positive value of the difference between the arithmetic mean of the mean refractive indices of the materials of the convergent elements of the two doublet components and the arithmetic mean of the mean refractive indices of the materials of the two divergent elements.

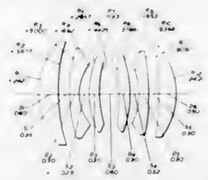


2,601,594

CORRECTED OPTICAL OBJECTIVE COMPRISING SIX SIMPLE COMPONENTS AXIALLY ALIGNED AND AIR SPACED APART

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a British company

Application March 8, 1951, Serial No. 214,509
In Great Britain February 15, 1951
19 Claims. (Cl. 88—57)



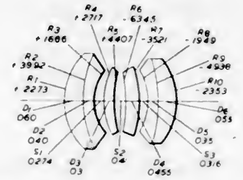
1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, to cover a semi-angular field not greater than 30 degrees, and comprising six simple components axially alined and air spaced apart, a diaphragm approximately in the middle of the objective having three of such components in either side thereof, the two outermost and the two innermost of such components being convergent whilst the other two are divergent, the outer surfaces of the outer components and the inner surfaces of the divergent components and the surfaces of the inner components all being concave towards the diaphragm, the sum of the equivalent focal lengths of the two convergent inner components lying between 1.8 F and 2.6 F, where F is the equivalent focal length of the whole objective, the arithmetic mean between the positive values of the radii of curvature of the outer surfaces of such inner components lying between .22 F and .44 F, the Petzval curvature as determined from the expression $\Sigma(N^1-N)/N^1.N.R$ having a value lying between .08/F and .16/F where the symbol Σ indicates the sum of the values of the expression following it for all the surfaces of the objective, R being the radius of curvature of the surface and N^1 and N being the mean refractive indices of the materials respectively behind and in front of the surface.

2,601,595

FOUR COMPONENT OPTICAL OBJECTIVE

Gordon Henry Cook, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a British company

Application March 13, 1951, Serial No. 215,255
In Great Britain February 15, 1951
17 Claims. (Cl. 88—57)



1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, to cover a semi-angular field not greater than 30 degrees, and comprising two doublet divergent outer components each having an outer convergent element and an inner divergent element, two simple convergent inner components located between such outer components, and a diaphragm located between the two inner components, said components and diaphragm being air spaced in axial alinement and all four components being of meniscus form with their air-exposed surfaces concave towards the diaphragm, the arithmetic mean of the curvatures of the internal contacts in the doublet components (a curvature being reckoned for this purpose as positive when the internal contact is concave towards the diaphragm) being algebraicly less than $+3.5/F$ where F is the equivalent focal length of the objective and greater than $2(10x-1)/(10x+1)$ F, where x is the positive value of the difference between the arithmetic mean of the mean refractive indices of the materials of the convergent elements of the two doublet components and the arithmetic mean of the mean refractive indices of the materials of the two divergent elements, the Petzval curvature as determined from the expression $\Sigma(N^1-N)/N^1.N.R$ having a value lying between .08/F and .16/F where the symbol Σ indicates the sum of the values of the expression following it for all the surfaces of the objective and N^1 and N are the mean refractive indices of the materials respectively behind and in front of the surface while R is the radius of curvature of the surface and for this purpose is reckoned as positive when the surface is convex towards the front of the objective.

2,601,596

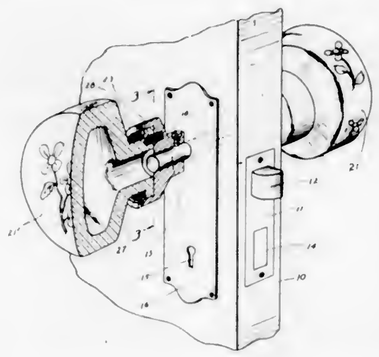
DOORKNOB CONSTRUCTION

Samuel J. Cronin, New York, N. Y.

Application January 12, 1950, Serial No. 138,176
4 Claims. (Cl. 292—348)

1. A door knob construction comprising a shaft, a body connected to the shaft, said body

having a recessed end, a replaceable door knob element having a flanged end adapted to seat in the recessed end of the body, a cushioning ring surrounding the flanged end of the knob, a retaining ring surrounding the cushioning ring and connected to the body and driving connection means extending between the flanged end of the knob and the body.



4. A door knob construction comprising a shaft, a body element connected to the shaft, a knob element adapted to be replaceably connected upon the body element, one of said elements having a recess and the other of said elements having an enlargement adapted to fit the recess of the one element, means for securing the elements together, and resilient driving means drivingly connecting the knob element with the body element, and said resilient driving means comprising a plurality of angularly spaced pin assemblies, each of the pin assemblies including a rubber sleeve with a coil spring disposed in the center thereof, said elements having openings registerable with one another for receiving the pin assembly.

2,601,597

APPLICATION OF DISPERSED COATING MATERIALS TO CELLULOSIC FIBERS

John H. Daniel, Jr., Stamford, Lucius H. Wilson, Greenwich, Randall Hastings, Stamford, and Chester G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 6, 1946, Serial No. 695,292
7 Claims. (Cl. 92—21)

1. A method of impregnating fibrous cellulosic material with a hydrophobic organic impregnating agent while preserving the freeness and felting properties thereof which consists in preparing a water suspension of the fibrous cellulosic material at 0.5–6% consistency, adding to said suspension a hydrophilic cationic alkylenepolyamine-epichlorhydrin resin in amounts of 1–20% of the weight of the organic impregnating agent, aging the suspension at a pH of about 3 to about 8 for at least 30 minutes, then adding an aqueous dispersion of the impregating agent in deflocculated condition, flocculating the impregnating agent in the cellulosic fibrous suspension by the action of the cationic alkylenepolyamine-epichlorhydrin resin, and thereby depositing a substantial proportion of the impregnating agent uniformly on the fibres.

2,601,598

APPLICATION OF DISPERSED MATERIALS TO CELLULOSIC FIBERS

John H. Daniel, Jr., Stamford, Lucius H. Wilson, Greenwich, Randall Hastings, Stamford, and Chester G. Landes, New Canaan, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 26, 1947, Serial No. 794,116
4 Claims. (Cl. 92—21)

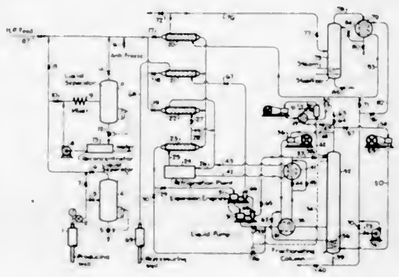
1. In a method of making a formed cellulosic product by the steps of preparing an aqueous suspension of fibrous cellulosic material, impregnating the cellulosic material with a water-insoluble hydrophobic organic impregnating agent and forming the impregnated cellulosic material into a felted product, the improvement which consists in first adding a partially polymerized hydrophilic cationic urea-formaldehyde-polyfunctional organic nitrogen base resin to the aqueous fibrous suspension, said cationic resin being formed by the condensation of a urea-formaldehyde reaction product with a water-soluble polyfunctional organic nitrogen base under acid conditions, then adding an aqueous dispersion of the organic impregnating agent in deflocculated condition and thereby immediately flocculating the impregnating agent in the cellulosic fibrous suspension by the action of the cationic urea-formaldehyde-polyfunctional organic nitrogen base resin, and thereby depositing a substantial proportion of the impregnating agent uniformly on the fibers.

2,601,599

METHOD OF RECOVERING LIQUEFIABLE HYDROCARBONS FROM GASES

Philip H. Deming, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application November 26, 1948, Serial No. 62,022
17 Claims. (Cl. 166—21)



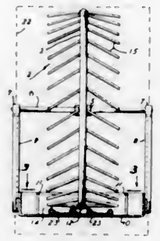
1. The method of recovering liquefiable hydrocarbons from wet hydrocarbon gas consisting predominantly of hydrocarbons having less than three carbon atoms, together with lesser amounts of said liquefiable hydrocarbons, and producing a dry gas in a compressed state, comprising the steps of subjecting said wet gas to fractional distillation at a pressure causing the formation of vapor phase containing dry gas and a liquid phase containing said liquefiable hydrocarbons and at a temperature below the critical temperature of the dry gas, separating said vapor phase from the liquid phase liquefying the separated vapor phase, and compressing it in the liquid state.

2,601,600

SELF-OPERATING EVAPORATIVE COOLER

William C. De Witt, San Bernardino, Calif.

Application May 22, 1951, Serial No. 227,647
5 Claims. (Cl. 62—154)



1. A self-operating refrigeration evaporating wheel comprising a wheel structure having a hollow rim of heat conductive metal supported on a horizontal shaft, a plurality of evaporating tubes of heat conductive metal attached to the sides of said rim and opening into its interior disposed angularly relative to the diametrical plane of said wheel and closed at their ends so as to trap condensed vapor within said rim on one side of said rim, a volatile liquid within said wheel structure filling the lower portion thereof, a tank containing water disposed below said wheel structure so that the lower portion of the wheel will dip into said water as the wheel rotates, and means including flow directing ducts for bringing fluid substances to be cooled in heat transfer relation with the surfaces of said rim structure.

2,601,601

RAZOR BLADE INJECTOR AND DISPOSAL DEVICE

Joseph C. Fennelly, Kansas City, Mo., assignor, by mesne assignments, of one-half to H. Struve Hensel, New York, N. Y.

Application December 7, 1946, Serial No. 714,721
1 Claim. (Cl. 206—16)



A razor blade injector comprising an elongated magazine for fresh blades and an elongated compartment for receiving used blades, said magazine and compartment disposed side-by-side with a common wall therebetween and their ends being staggered so one end of the magazine juts beyond the corresponding end of the compartment, and said last end of the compartment comprising a rectangular wall normal to said common wall and having one edge spaced slightly away from said common wall to provide a narrow slot immediately adjacent said common wall, for insertion of blades in an endwise direction.

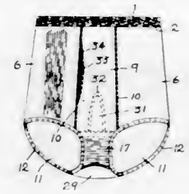
2,601,602

UNDERGARMENT FOR MEN

Joseph A. Firsching, Sr., Utica, N. Y.

Application October 28, 1948, Serial No. 57,043
4 Claims. (Cl. 2—224)

1. In a garment, a back portion united to a front panel, said front panel comprising an outer panel piece of cloth of double thickness having a lower edge cut on a straight line, a crotch piece having a circular edge seamed to the said straight edge of the front panel, whereby to aid in forming a pouch, said outer panel piece having side edges cut on a taper, an inner



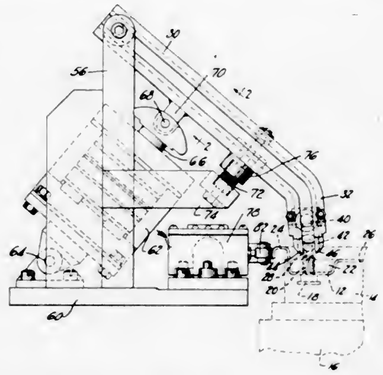
panel piece having side edges in parallel relation to each other, said edges of the outer panel and inner panel pieces seamed together to further aid in forming a pouch, and said inner panel piece having an elongated opening whereby to give admittance to said pouch.

2,601,603

MECHANISM FOR ASSEMBLING ANNULAR MEMBERS

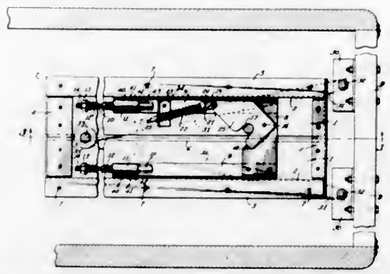
Marcus C. Fisher, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 22, 1945, Serial No. 637,039
6 Claims. (Cl. 10—162)



1. Automatically operable means for assembling an annular member upon a projecting member supported on a structure which is in the process of being assembled comprising means for moving said structure in a substantially horizontal plane, a chute above said plane having a passage in which said annular member is caused to feed toward the projecting member, said chute as a whole being movable to shift the lower end thereof toward or away from the aforesaid structure and its projecting member, electrically operated means for moving said chute toward said structure-moving means, biasing means yieldably urging said chute away from said structure-moving means, and switch means controlling said electrically operated means and so positioned as to be operated by contact with a portion of the aforesaid structure as it passes by.

2,601,604
AUTOMATIC CONTROL FOR SWINGING DOORS
Wade O. Ford, San Angelo, Tex.
Application October 17, 1950, Serial No. 190,637
4 Claims. (Cl. 292—274)



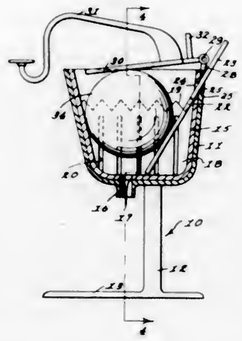
1. Door control device for oppositely swinging doors comprising, arms one pivoted by one end to one face of each door, the other ends of said arms pivotally connected and slidably associated with a frame fixed with respect to the doors, and a resiliently supported abutment carried by the frame for limiting the swinging movement of the doors, the resiliently supported abutment being formed with a rearwardly open notch to receive the pivotal connection between the arms as the doors approach full open position, with a latch pivotally mounted on the abutment and formed with a complementary notch and toggle means for throwing said latch with respect to the abutment as the doors are moved to or from the full open position.

2,601,605
FISHHOOK TYING FIXTURE
Bruno G. Fulvio, Arcadia, Calif.
Application November 17, 1950, Serial No. 196,159
11 Claims. (Cl. 43—1)



10. A hook tying fixture comprising: a handle; and a pair of elongated substantially parallel gripper blades formed as relatively thin spring leaves having one end portion held non-rotatably within said handle and the remaining portion extending forwardly therefrom, said blades being resiliently separable to hold a hook therebetween with the shank of said hook extending generally parallel to the longitudinal axis of said blades and with the fluke end of said hook projecting outwardly from between said blades whereby an end portion of a leader may be bent around said gripper blades and said shank in coiled bights, one of said blades having an eye in the terminal end thereof to receive the end of said leader for passing said end through said bights upon forward removal of said hook from said fixture, and the other of said blades having a terminal end covering said eye and urged resiliently inward to clamp said leader non-slidably upon the removal of said hook whereby said bights are tightened about said shank, the standing portion of said leader, and the leader end passing therethrough to form a knot tightening upon itself under tension on said leader.

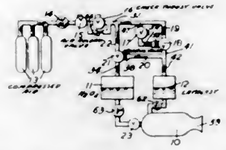
2,601,606
FRUIT JUICE EXTRACTOR
Adolph O. Goldstein, Santa Cruz, Calif.
Application January 5, 1948, Serial No. 586
1 Claim. (Cl. 100—41)



A fruit juice extractor of the type described, comprising a cup-shaped housing, a cup-shaped member in said housing, a cutter on said member, said housing having an elongated opening in the rear wall thereof, and said member having a similar opening in its rear wall, a strainer adapted to slidably extend through the openings in the rear wall of the housing and member into said member, a pressure plate pivoted to the upper rear edge of said housing, a handle on said pressure plate, said strainer having a projecting portion adapted to extend outwardly of the opening in the rear wall of the housing, and a projection on said pressure plate adapted to engage the projection on said strainer so that the projecting portion of the strainer will have pivotal movement about the lower edge of the opening in the rear wall of the housing to pivot said strainer to a horizontal plane within said member when said pressure plate is extended to full inactive position, said strainer and said pressure plate being provided with a cut-out adapted to straddle said cutter during movement of said strainer and said plate, and said housing being provided with a discharge spout, said cup-shaped member having an opening in alignment with said spout, and said cutter being provided with a channel communicating with said opening and vertically inclined slots communicating with said channel, whereby juice extracted from fruit placed in said housing is discharged outwardly thereof.

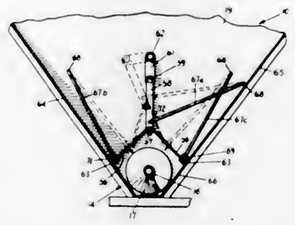
2,601,607
PROPELLANT INJECTION SYSTEM FOR ROCKET MOTORS
Frank Bernard Halford, Edgware, Arthur Valentine Cleaver, London, and Ernest Baker Dove, East Barnet, England, assignors to The De Havilland Engine Company Limited, Stonegrove, Edgware, England, a company of Great Britain
Application December 27, 1949, Serial No. 135,286
In Great Britain January 3, 1949
6 Claims. (Cl. 60—35.6)

1. Rocket propulsion apparatus comprising a reservoir for a propellent liquid, a reservoir for a catalyst liquid, a reaction chamber, a propulsion nozzle extending rearwardly from said reaction chamber, a storage container for compressed air for pressurizing said reservoirs, separate liquid delivery conduits from said reservoirs to said reaction chamber, a propellent air distributor valve for regulating the admission of compressed air to the said propellent reservoir, a catalyst air distributor valve for regulating the



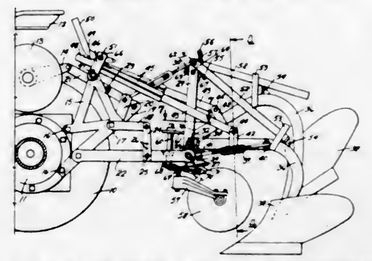
admission of compressed air to said catalyst reservoir, and actuating means responsive to the air pressure in the catalyst reservoir for opening said propellent air distributor valve only when said catalyst reservoir has been pressurised by the compressed air.

2,601,608
GRAIN UNLOADER HAVING A FEED AUGER WITH AN ADJUSTABLE COVER
Elmer K. Hansen, Sioux City, Iowa
Application November 3, 1947, Serial No. 783,802
3 Claims. (Cl. 222—413)



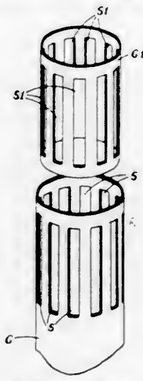
1. A grain unloading device for a trough shaped grain box having end walls, side walls and a grain outlet in one of said end walls, a longitudinally extended auger at the bottom of said box for delivering grain to said outlet, a pair of hinged cover members arranged in an inverted V-relation and extended between said end walls, a hinge connection between the adjacent sides of said cover members, means for moving said cover members into and out of a covering relation with said auger including pairs of upright link members arranged at opposite sides of said auger, with the lower ends of said link members being pivotally connected to the outer sides of said cover members and the upper ends of said link members being pivotally supported on said end walls, a longitudinal rock shaft spaced above said auger and supported on said end walls, rock arms adjacent the opposite ends of said rock shaft, a pair of upright levers pivotally connected at their lower ends to the opposite ends of said hinge connection and at their upper ends to the free ends of said rock arms, with said rock arms being in generally horizontal positions when said cover members are out of said covering relation, and in generally vertical positions when said cover members are in said auger covering relation, means for rocking said rock shaft, and means for guiding the movement of said upright levers to a position in substantial longitudinal alignment with said rock arms, when said cover members are in said auger covering relation.

2,601,609
TWO-WAY PLOW ATTACHMENT FOR TRACTORS
Orville S. Harbison and George L. Paine, Loveland, Colo.
Application June 17, 1949, Serial No. 99,736
4 Claims. (Cl. 97—29)



1. A plow attachment for tractors comprising: a frame; means for securing said frame to said tractor; a pair of draw bar links extending rearwardly from said frame in parallel relation; a draw bar shaft extending transversally between the rearward extremities of said draw bar links; a pair of plow beams rotatably mounted at their forward extremities on said shaft and extending rearwardly therefrom; a post extending upwardly from the mid-portion of said shaft between said plow beams; a horizontal lift shaft transversally mounted in said frame over said draw bar links; lift levers projecting from said shaft; hangers extending from said lift levers to said draw bar links for lifting the latter; a ram bar lever extending from said lift shaft; a ram bar extending from said ram bar lever to said post; a shelf projecting rearwardly from said post below said plow beams; and means for rotating said lift shaft to lift said lift levers and swing said post forwardly to cause said shelf to lift said plow beams.

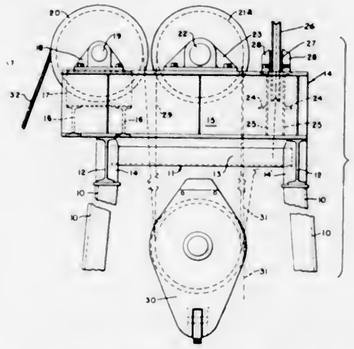
2,601,610
RADIO AERIAL INSTALLATION
James Frederick Hatch, Hutton, Brentwood, and John William Brittain, Great Baddow, England, assignors to Marconi's Wireless Telegraph Company Limited, London, England, a company of Great Britain
Application February 3, 1949, Serial No. 74,374
In Great Britain March 18, 1948
4 Claims. (Cl. 343—106)



1. In a radio beacon aerial installation for providing a rotary radiation diagram, a first

slotted tubular mask having a first predetermined plurality of slots equally spaced from one another around said mask in a ring, at least one further slotted tubular mask having a second predetermined plurality of slots in a ring of slots and equally spaced from one another around said further mask, said second plurality differing from said first plurality by one and said further mask being concentrically disposed within said first mask, means for producing relative rotation between said masks to sweep the slots in one mask across the slots in the other, and a source of radio energy within said masks.

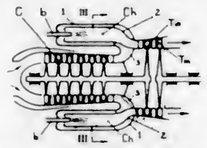
2,601,611
CROWN BLOCK
Howard D. Hilborn and William D. Walters, Houston, Tex., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application April 19, 1947, Serial No. 742,596
12 Claims. (Cl. 254—188)



8. In combination, a traveling block having a set of sheaves supported with their planes of rotation parallel; a crown block comprising a set of sheaves supported with their planes of rotation parallel, an off-set sheave and a cross-over sheave having their planes of rotation disposed at right angles; and a hoisting line rove over the sheaves of said blocks, said line having a running end leading off from an inner sheave of the traveling block over said off-set sheave, and an anchored end leading off over an inner sheave of said set of sheaves in the crown block.

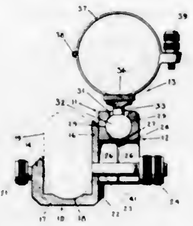
2,601,612
GAS TURBINE MOTOR OF REDUCED DIMENSIONS
Roger Jean Imbert and Marcel Henri Louis Sédille, Paris, France, assignors to Societe Rateau (Societe Anonyme), Paris, France, a company of France, and Rene Anxionnaz, Paris, France
Application August 27, 1945, Serial No. 612,866
In France January 8, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 8, 1962
3 Claims. (Cl. 60—39.37)

3. A gas turbine power plant comprising in combination an air compressor having a discharge passage, a gas turbine coaxial with said compressor and adjacent thereto, said turbine having a gas-intake passage, and a plurality of separate, elongated combustion chambers of lenticular cross-section, each having an air inlet connected to said discharge passage and a gas outlet connected to said gas-intake passage, said



elongated chambers extending substantially parallel to the axis of the compressor.

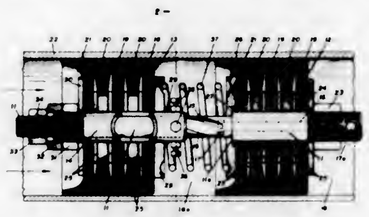
2,601,613
FLASHLIGHT ATTACHMENT FOR GUNS
Harry H. Jahncke, Webster City, Iowa
Application February 25, 1948, Serial No. 10,663
2 Claims. (Cl. 248—229)



1. An attachment for supporting a flash light on the breech of a gun comprising, a U-shape member having the top surface of its base portion formed with an arcuate recess to receive the breech therein, clamp means on said U-member for clamping the breech between the legs thereof, a pair of separable members adjustably supported on one of said legs for up and down movement, with the upper adjacent sides of said separable members being formed with mating halves of a socket portion, a ball member adjustably carried in said socket portion having an upright projection extended upwardly from said separable members, means for clamping said separable members together against movement relative to said one leg of the U-member, with said clamping action providing for the ball member being frictionally held in an adjusted position within said socket portion, and a bracket structure for holding the flash light mounted on said upright projection.

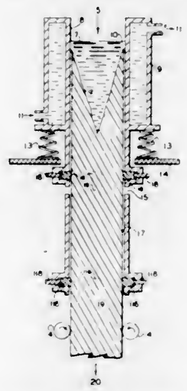
2,601,614
PIPE-CLEANING DEVICE
Louis H. Johnson, Tomball, Tex.
Application May 25, 1950, Serial No. 164,246
8 Claims. (Cl. 15—104.06)

1. A device for cleaning the interior surface of pipe which comprises a longitudinal member defining with its outer surface at least one helical trackway, a first piston defining a peripheral abrasive surface fixedly mounted on a first end of said member, a sleeve slidably mounted on a second end of said member having an interior surface conforming to and engaging with said trackway and adapted to cause arcuate movement of said sleeve upon longitudinal movement of said sleeve on said member, a second piston fixedly mounted on said sleeve defining a peripheral abrasive surface, means for venting fluid from the space between said first and second pistons upon movement of said second piston toward said first piston, and tension means arranged



between said pistons adapted normally to bias said pistons away from each other.

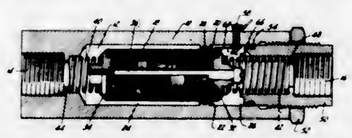
2,601,615
CONTINUOUS MOLD ALIGNMENT
James Fernando Jordan, Huntington Park, Calif.
Application July 10, 1950, Serial No. 172,933
1 Claim. (Cl. 22—57.2)



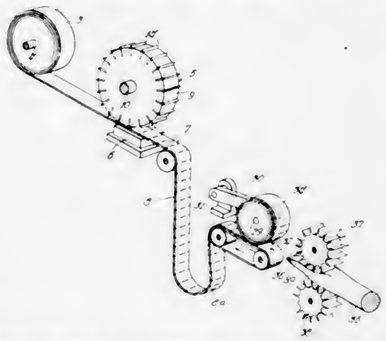
In a continuous casting apparatus having an open-ended mold, and means for withdrawing out of said mold metal solidified within said mold, the combination therewith of elastic means for supporting said mold, said elastic means being position between said mold and a rigid support, and mold aligning means for coaxially aligning said mold with the solidified shape being formed within and withdrawn from said mold, said mold aligning means being supported by said mold and being positioned with respect to said solidified shape by bearing means which contact said solidified shape, so that substantially all horizontal movements of said cast shape are imparted to said mold by said aligning means.

2,601,616
FLUID FILTERING AND METERING UNIT
Walter Kasten, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 17, 1950, Serial No. 168,784
13 Claims. (Cl. 219—39)

10. A fluid filtering and flow restricting device comprising a fluid inlet chamber, a fluid outlet chamber, a partition between said chambers having a round opening therethrough, a hollow cylindrical member having side walls of helically wound strip material with radial pores therebetween and extending through said opening into each chamber, means closing the ends of said member, the portion extending into the inlet chamber constituting a filter element and the portion extending into the outlet chamber constituting a metering element, an electrical heating means embedded in the outside surface of said filter element, an electrical heating means embedded in the inside surface of said metering element a spring in the inlet chamber urging said member toward the outlet chamber, and a spring in the outlet chamber urging said member toward the inlet chamber.



2,601,617
METHOD AND APPARATUS FOR FORMING SANITARY NAPKIN ATTACHMENT LOOPS
George E. Klock, Kenmore, N. Y., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application April 1, 1948, Serial No. 18,424
14 Claims. (Cl. 28—1)



1. Apparatus for preparing loops for attachment to sanitary napkin tabs or the like, comprising cooperating cutting elements arranged to cut a length of tubing transversely and provided with means for causing the line of severance to be interrupted so as to leave readily breakable spaced bonds interconnecting the tube sections on opposite sides of each line of severance, and means for effecting winding of such severed tubing into a roll.

2,601,618
UNLOADING ASSEMBLY FOR WAGON BOXES
Orval L. Kringle, Rice Lake, Wis.
Application November 5, 1948, Serial No. 58,390
4 Claims. (Cl. 214—83.14)

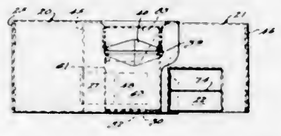
1. In an assembly for unloading chopped hay, silage and similar materials from wagon boxes of the type having an open end, a partition extending longitudinally of the box, an endless conveyor mounted for horizontal movement toward the open end on each side of the partition, a vertically disposed endless apron detachably con-

nected to the box at the open end thereof in spaced relation to the horizontally moving conveyors, means to adjust the vertical position of the apron relative to the horizontally moving conveyors, a source of power, a drive connection



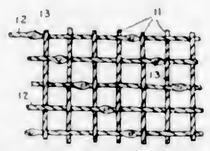
between the source of power and the horizontally moving conveyors, and a second drive connection between the first named drive connection and the apron whereby the horizontally moving conveyors and the apron are driven simultaneously.

2,601,619
OPTICAL VIEWER FOR FILMS
Peter B. Loomis, Birmingham, Mich.
Application March 31, 1949, Serial No. 84,687
4 Claims. (Cl. 40—28)



2. A film-viewer box assembly comprising an outer box, an inner box, a viewer compartment, a lens, a film storage bin and a bin separator; said outer box comprising a top wall provided with a film receiving aperture sufficiently large for a film to pass therethrough and to receive a sufficient portion of an observer's fingers to enable the observer to grasp said film through said aperture, a bottom wall provided with an aperture adapted to permit the insertion therethrough of cleaning tissue and the like by means of the fingers and being provided with a flap adapted to exert a pressure upwardly against said inner box, a front wall provided with an opening adapted to permit the observation of objects within said box assembly, a rear wall provided with an opening adapted to admit light to said viewer compartment; said inner box being slideably engageable within said outer box and comprising a top wall provided with an opening adapted to receive said bin and having, protruding from the sides of said opening, a pressure flap adapted to fold downwardly into a position behind said bin and force said bin toward the front wall of said inner box and said opening having oppositely disposed pressure flaps each adapted to fold downwardly into a position between an inside wall of said bin and an edge of said separator, said top side also including a film receiving slot, said slot having protruding therein a plurality of retractable flaps adapted to be forced downwardly as the slot opening is increased by the fingers used to grasp the film, a bottom wall provided with a stop tab and an opening adapted to permit the insertion therethrough of cleaning tissue and the like by means of the fingers, a front wall provided with an opening adapted to permit the observation of objects within said inner box, a rear wall provided with an opening adapted to receive said viewer compartment and provided with two door-like pressure flaps which are adapted to be bent inwardly into said inner box when the viewer compartment is placed in position and are further adapted to press against oppositely disposed walls of said viewer compartment; said film storage bin comprising an open top box which is positioned within the body of said inner box; said bin separator being adapted to divide the bin space into compartments and said separator being provided with protruding tabs which are adapted to be inserted in corresponding slots in said storage bin; said viewer compartment being a box-like structure and comprising a bottom wall provided with an opening adapted to permit the insertion therethrough of cleaning tissue and the like by means of the fingers, oppositely disposed side walls each provided with outwardly bent tabs adapted to guide a film into position as said film is being inserted into position for viewing and said side walls each being provided with oppositely disposed pairs of inwardly projecting tabs adapted to hold the inserted film in a vertical attitude, a translucent sheet as the rear wall of said viewer compartment and adapted to diffuse the light entering said viewer compartment, a front side comprising three flaps folded to lie superimposed one on the other and each flap being provided with an opening adapted to permit the observation of objects within said viewer compartment and one of said flaps which lies between the two outer flaps having an opening slightly larger than the opening in said outer flaps to form a substantially annular recess between said outer flaps; and said lens being adapted to be positioned in said recess.

2,601,620
METHOD AND APPARATUS FOR PREPARING GRASS SEED FOR PLANTING
Preston F. Marshall, Washington, D. C.
Application July 28, 1947, Serial No. 764,062
10 Claims. (Cl. 47—1)



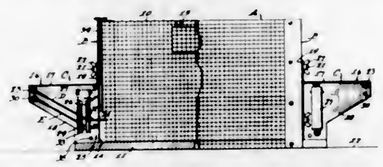
1. The method of seeding which consists in entwining fine seeds in the filling yarns of an open mesh woven fabric at spaced intervals, laying the fabric on the area to be seeded and securing it in place against removal by natural causes prior to germination of the seeds.

2,601,621
GAUGE FOR MARKING GARMENT BELTS
Edwin A. Maxant, Riverside, Ill., assignor to Maxant Button and Supply Co., a corporation of Illinois
Application July 12, 1950, Serial No. 173,309
3 Claims. (Cl. 33—191)



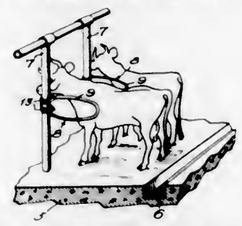
1. A spotting gage of the class described comprising, a strip of material having a series of apertures spaced along its longitudinal median and said strip having formed in each end thereof a series of differing length slots disposed transversely of the strip each equally on opposite sides of the longitudinal median and also having said opposite ends cut away along both edges so as to form a series of gradually reduced portions, the graduation of these end portions being a continuation of the graduation of the series of slots, said strip being thereby adapted to be superimposed upon material of differing widths whereby said apertures will be disposed along the longitudinal median for the respective material.

2,601,622
CAGE-TYPE RATTRAP
Hugh C. McCurrie, Morgan Hill, Calif.
Application August 1, 1950, Serial No. 177,016
9 Claims. (Cl. 43—66)



1. In a cage-type rat trap: a cage having an entrance opening; a movably-mounted door normally providing a partial closure over this opening, and leaving a space between the door and a floor of the cage through which a rat may at least partially insert its head; locking means pivotally mounted independently of the door and normally retaining the door in this partially-closed position; means operated by the rat as it endeavors to gain access through said space from the outside to unlock the door; the locking means being made to again hold the door in partially-closed position after the rat has entered the cage and the door has returned to normal position; and a rod extending transversely across the entrance opening, and disposed between the floor of the cage and the door to constitute a hurdle over which smaller rats must pass when entering the cage.

2,601,623
RESTRAINING DEVICE FOR CATTLE
Clyde L. Norton, Waitsfield, Vt.
Application October 4, 1946, Serial No. 701,377
1 Claim. (Cl. 119—27)

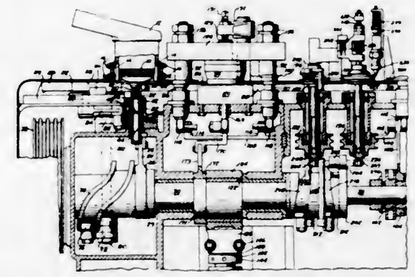


In combination with the upright of a cow tie, a restraining device attached to the upright and being in spaced relation to a floor upon which adjacent cows stand, said restraining device comprising an ovate loop in the form of a single convolution having its end portions secured to the upright in vertically spaced relation to each other and the side portions of said loop extending laterally away from each other to lie in a plane substantially parallel to the floor whereby to abut the adjacent shoulder region of a cow standing in said tie.

2,601,624
COPRECIPITATED ALUMINA-METAL OXIDE GEL CATALYSTS AND THEIR PREPARATION
James R. Owen and John W. Myers, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 3, 1947, Serial No. 789,568
25 Claims. (Cl. 252—463)

1. The method of increasing the mechanical strength of coprecipitated gel catalyst pellets compacted from particulate catalyst consisting essentially of aluminum oxide and at least one metal oxide selected from the group consisting of the oxides of chromium, vanadium, and beryllium, which comprises impregnating the formed pellets with a solution of a compound of one of said metals, and calcining the impregnated pellets so as to effect the conversion of said compound to the oxide and increase the crushing strength of the pelleted catalyst.

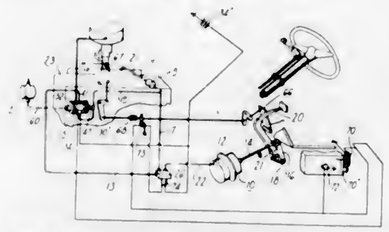
2,601,625
CAN-END MAKER
William Bernard Peterson, Jr., San Francisco, and Roland Ernest Renard, Los Gatos, Calif., assignors to Pacific Can Company, San Francisco, Calif., a corporation of Nevada
Application June 22, 1948, Serial No. 34,505
3 Claims. (Cl. 113—80)



1. A can endmaker for making finished can ends from metal discs, including in combination, a rotatable timing shaft, a plurality of spaced actuating means on said shaft and rotated thereby, means to support a stack of discs, means to withdraw said discs from said stack one at a time, said last-named means being actuated by one of said actuating means, a reprocatory feed bar having fingers for periodically transferring each of said discs from one stage of operation to another, means for reciprocating said feed bar, said last-named means being actuated by one of said actuating means, means to form said disc into an end blank having a circumferential flange, said last-named means being actuated by one of said actuating means, means to curl said flange inwardly, said last-named means being at least partially actuated by one of said actuating means, means to deposit lining compound within the trough adjacent said curl, said last-named means being at least partially actuated by one of said actuating means, means to dry and cure said lining compound, said last-named means including a rotating element rotated by one of said actuating means, and idle stations between said withdrawing means and said forming means, between said forming and curling means, and between said lining and drying means, said idle stations including means driven and synchronized

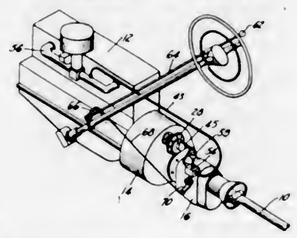
by said timing shaft to raise and lower said discs out of the way of said returning feed bar fingers and magnets in contact with said discs.

2,601,626
CLUTCH CONTROL MECHANISM
Edwin E. Prather, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 30, 1948, Serial No. 52,087
4 Claims. (Cl. 192—.075)



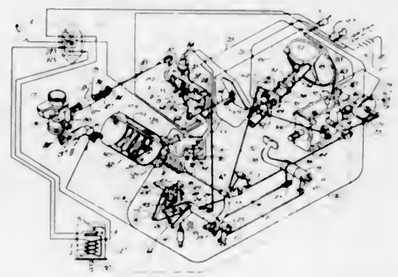
1. In an automotive vehicle provided with an accelerator, a friction clutch and an internal combustion engine including an intake manifold; power means for operating the clutch including a pressure differential operated motor, valve means for controlling the operation of said motor including a three-way valve operable to effect a clutch disengaging operation of the motor and initiate a controlled clutch engaging operation of said motor, a three-part three-way bleed valve operable to control the flow of air into and from the motor via the three-way valve, a fluid transmitting connection interconnecting the manifold and three-way valve, a fluid transmitting connection interconnecting the three-way valve and bleed valve, a fluid transmitting connection interconnecting the three-way valve with the motor, and means for controlling the valve means comprising accelerator operated means for controlling the three-way valve, and power means, comprising water pressure operated means for operating one part of the bleed valve and a pressure differential operated motor for operating another part of the bleed valve, the water pressure operated means being operative in accordance with the speed of the engine which is in turn controlled in part by an operation of the accelerator.

2,601,627
BRAKE MECHANISM
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 19, 1947, Serial No. 792,716
4 Claims. (Cl. 192—4)



1. The combination, in the power plant of an automotive vehicle, of a fluid coupling including a driven element and a change gear transmission mechanism including a gear shift lever and a driving element, said driving element being connected to said driven element; of power means operative to control the speed of rotation of the driven element including a brake comprising a movable brake shoe and a fixed part connected to the latter element, a pressure differential operated motor having its power element connected to said brake shoe, valve means for controlling the operation of said motor, and force transmitting means, operated by the gear shift lever, for actuating both the valve means and the transmission, said force transmitting means including a lost motion connection between the transmission and the valve and operative, by virtue of said lost motion connection, to effect an operation of the valve means before the force transmitting means is operative to actuate the transmission.

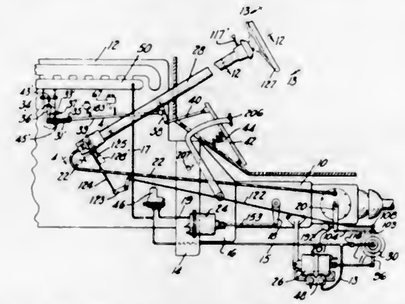
2,601,628
POWER TRANSMISSION
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 27, 1948, Serial No. 23,520
8 Claims. (Cl. 74—472)



1. In an automotive vehicle provided with a power plant including an internal combustion engine having an intake manifold, an ignition system constituting a part of the means for controlling the operation of said engine, and a transmission mechanism comprising a change gear transmission and a two speeds forward transmission incorporated in the power plant to the rear of the change gear transmission; of means for controlling the operation of the transmission including a motor for operating the two speeds forward transmission, a motor for operating the change gear transmission, and means for controlling the operation of the two motors, the engine vacuum within the intake manifold, and the ignition system, to effect a succession of upshift operations of the transmission mechanism and a subsequent succession of downshift operations of said mechanism including an accelerator operated ignition controlling switch means constituting a part of the control means for effecting a downshift operation of the transmission mechanism and serving, when closed, to render the ignition system inoperative to thereby facilitate an operation of the two speeds forward transmission, an accelerator operable to control the degree of vacuum within the intake manifold, to control the motor for operating the change gear transmission, and to control said switch means, and further including a vehicle speed responsive governor and switch mechanism operated by said governor and serving as

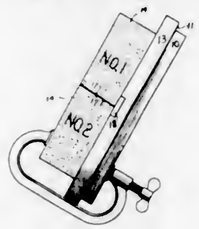
part of the control means for effecting both upshift and downshift operations of the transmission mechanism.

2,601,629
TRANSMISSION OPERATING MECHANISM
Harold W. Price, Bradenton, Fla., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 10, 1945, Serial No. 577,201
1 Claim. (Cl. 74—335)



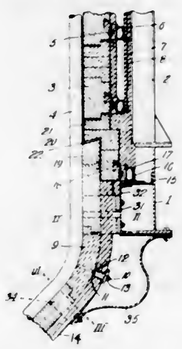
In a drive for an automotive vehicle provided with a steering wheel and a four-speeds forward and reverse transmission which includes a selector member and a transmission operating member, means for operating said transmission comprising a bodily movable member, force transmitting means interconnecting said bodily movable member with the transmission operating member, a manually operable selector lever mounted adjacent the steering wheel, a crank adapted to be interlocked with the bodily movable member, force transmitting means interconnecting the selector lever with said crank, power means for operating said bodily movable member, and other power means, controlled in part by an operation of the selector lever, for moving the bodily movable member into or out of engagement with the aforementioned crank.

2,601,630
ANGLE BLOCK AND METHOD OF MANUFACTURE
Rudolph J. Rahn and Ivan J. Rahn, Dayton, Ohio
Application July 2, 1947, Serial No. 758,658
6 Claims. (Cl. 51—156)



2. A supporting and guide member of igneous rock, including a planar surface positioned at a degree of inclination removed less than forty degrees from vertical, a block of igneous rock material including two intersecting planar faces disposed at a predetermined angle to each other, means fixedly attaching to the igneous rock block to the igneous rock support and guide member with one of its planar faces in contact with the planar face of the support and guide member and its intersecting exposed planar face in predetermined angular relation with the planar face of the support and guide member, upon which a second block of igneous rock may rest under gravity while being rubbed and abraded upon the exposed face of the attached block in directions determined by the planar face of the support and guide member while reducing its contacting face to a corresponding planar surface.

2,601,631
FURNACE WALL
George P. Reintjes, Kansas City, Mo.
Application July 7, 1947, Serial No. 759,425
2 Claims. (Cl. 122—6)



2. In a water wall furnace having a series of adjacent tubes exposed to the heat of the furnace, said tubes comprising vertically extending sections and angularly extending sections, a vertical metal framework externally paralleling and independent of the vertical section of the tubes, a series of tiles carried by the framework and enclosing the tubes, a second series of tiles carried by the angular section of the tubes and enclosing the same, and an expansion joint formed by an overlapping of the two series of tiles whereby the two series of tiles may shift without opening said joint.

2,601,632
PRODUCING AN IMPROVED SYNTHETIC RUBBER FROM A MULTICOMPONENT MONOMERIC MATERIAL
William B. Reynolds, Bartlesville, Okla., and Charles F. Fryling, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 25, 1949, Serial No. 129,516
4 Claims. (Cl. 260—80.7)

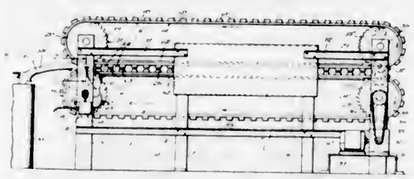
1. A process for producing an improved synthetic rubber, which comprises polymerizing an aqueous dispersion of a hydrocarbon monomeric material comprising at least 90 per cent by weight of equal parts by weight of at least four members selected from the group consisting of butadiene, isoprene, piperylene, methylpentadiene, and dimethylbutadiene, at a polymerization temperature below 0° C., and recovering a polymeric material so producced.

2,601,633

FIBROUS STRIP HAVING ABSORBING SECTIONS ALTERNATING WITH NONABSORBING SECTIONS, AND APPARATUS AND METHOD OF PRODUCING SAME

Howard C. Riordan, Oak Park, Ill.

Application August 27, 1948, Serial No. 46,376
14 Claims. (Cl. 117—140)



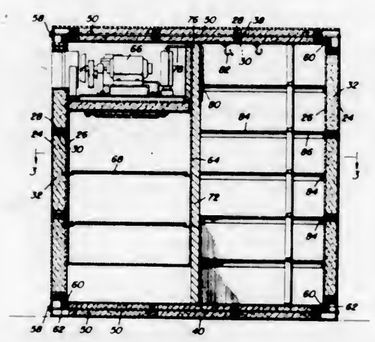
1. As an article of manufacture; a strip of loose fibers, said strip comprising a concatenation of sections arranged successively lengthwise thereof, the fibers in alternate of the sections being adapted to absorb liquid, and means discreetly associated with a substantial portion of the fibers in the intervening sections to inhibit liquid absorption thereby.

2,601,634

COMBINATION REFRIGERATOR AND WALK-IN STORAGE COMPARTMENT

Raymond William Rivette, San Francisco, Calif.

Application February 14, 1949, Serial No. 76,274
4 Claims. (Cl. 62—89)



1. A refrigerator unit comprising a substantially rectangular housing having side, end, top and bottom walls, a pair of perpendicularly connected vertical partitions in said housing adjacent one corner thereof dividing the same into a small refrigerating compartment and a relatively large walk-in freeze compartment, a horizontal partition in said refrigerating compartment spaced from said top wall, a motor and compressor mounted on said horizontal position, and a cooling coil connected to said compressor mounted on one of said vertical partitions in said freeze compartment and having a portion extending through said one vertical partition, said walls of said housing including separable insulated panels and means for removably securing said panels together to form the rectangular housing.

2,601,635

PROCESS FOR EXTRACTING AROMATIC OILS FROM VANILLA BEANS

Lucien Romagnan, Nice, Alpes Maritimes, France, assignor to Andree Romagnan, née (born) Sauvigne, Nice, Alpes-Maritimes, France

No Drawing. Application July 18, 1949, Serial No. 105,458. In France July 26, 1948
5 Claims. (Cl. 99—140)

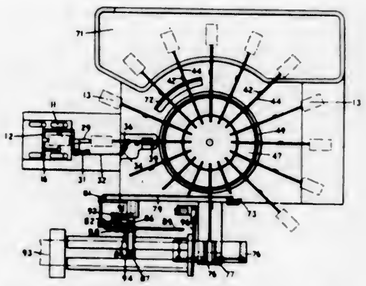
1. In a process for extracting aromatic oils from vanilla beans, the steps of setting up supersonic vibrations of a frequency of at least 19,000 periods per second in a supersonic wave transmitting liquid medium containing divided vanilla beans to cause said aromatic oils to pass from said beans into said liquid medium; and thereafter separating said beans from said liquid medium.

2,601,636

APPARATUS FOR COATING AND WRAPPING ARTICLES OF PLASTIC MATERIAL

Alfred German Rose and Joseph Arthur Gilbert, Gainsborough, England, assignors to Rose Brothers (Gainsborough) Limited, Lincoln, England, a British company

Application February 6, 1950, Serial No. 142,618
In Great Britain February 10, 1949
8 Claims. (Cl. 53—41)



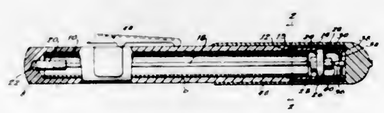
7. Apparatus for manipulating articles of plastic material comprising a series of spiked devices each including a movable support and a pair of spiked members movably mounted on the support and adapted to seize the articles in succession, said support being adapted to transport the articles in succession through a series of stations including a coating station, means for causing a relative movement between the coating bath and each support while the latter is at the coating station so as to cause each article to be immersed in the coating bath, a wrapping station at which the articles are transferred to wrapping elements, a wrapper-feeding mechanism adapted to feed a succession of wrappers into the path of movement of the articles carried by the spiked members in timed relationship with the movement of said supports so that wrapper is transferred with each article to the wrapping elements, an abutment movably mounted on each support and controlling the seizing action of the spiked members, an actuating member for moving the abutments on said supports, a conveyor member adapted to feed the articles in succession towards a seizing station in timed relationship with the movement of the actuating member, a detecting device adapted to operate on each article in turn during such feeding movement in such a manner as to detect damaged or incomplete articles or absence of articles from the conveyor, means responsive to any detecting action of said detecting device for preventing operation of the actuating member and thus preventing the seizing action of said spiked members, a stop member arranged at the coating station in the path of movement of said abutment when the latter is in its inoperative position so as to be engaged by said abutment and by such engagement to prevent the relative movement between the coating bath and the support, thus preventing immersion of the spiked members in the coating bath, and trip mechanism for controlling the wrapper-feeding mechanism, said mechanism being disposed in the path of movement of said abutment when in its inoperative position so as to be operated thereby to prevent the feeding operation of said wrapper-feeding mechanism.

2,601,637

POCKET IONIZATION CHAMBER

John E. Rose and Emil W. Hinspater, Chicago, Ill., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application December 3, 1946, Serial No. 713,654
6 Claims. (Cl. 250—83.6)



1. An ionization chamber comprising, in combination, a substantially tubular hermetically sealed electrically insulating casing, a substantially tubular outer conducting electrode disposed within and co-axial with said casing, a cylindrical contact element mounted on and coaxial with the exterior surface of the casing, a rod-like inner conducting electrode within and axial of said casing, pressure-tight means for making electrical contact between each of said electrodes and the exterior of said casing, said means connecting the contact element with the outer electrode, and including a flexible insulating diaphragm having a conducting pin extending centrally therethrough mounted contiguous to the one end of the inner electrode, said conducting pin contacting said inner electrode only by distension of the diaphragm, and a gaseous ionizing medium within said casing.

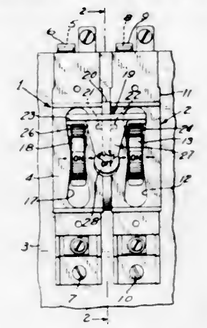
2,601,638

CIRCUIT BREAKER

Albert B. Rypinski, Laurelton, N. Y., assignor to Metropolitan Device Corporation, Brooklyn, N. Y., a corporation of New York

Application December 7, 1946, Serial No. 714,702
3 Claims. (Cl. 200—18)

3. A circuit breaker assembly comprising in combination two circuit breakers mounted in side by side relation, each circuit breaker having an elongated slot in the face thereof and a pivotally mounted operating handle extending through the slot and movable between "on" and "off" positions and resiliently movable to "off" position upon slight movement thereof from "on" to "off" position, the operating handles of the circuit breakers being independently movable between "on" and "off" positions, and a manually operable actuating element for conjointly actuating the operating handles of the circuit breakers from "on" toward "off" position, the actuating element being pivoted to the circuit breakers and including spaced lugs, one for each circuit breaker extending into the slot in the face of



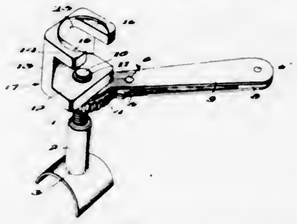
the circuit breaker behind the operating handle in the "on" position thereof.

2,601,639

VALVE SPRING COMPRESSOR

Nathan Schneider, Mount Vernon, N. Y., assignor to K-D Manufacturing Company, Lancaster, Pa., a corporation of Pennsylvania

Application September 18, 1947, Serial No. 774,819
2 Claims. (Cl. 29—217)



1. A valve spring compressor, comprising axially extensible threaded actuating means, said means including cooperating telescopically arranged male and female threaded elements and means associated with said male element for causing relative rotation therebetween about their threaded axis, a stationary shaft engaging jaw fixedly carried by said female element at one axial extremity of said actuating means, said jaw being of arcuate shape having its axis of curvature in a common plane with and perpendicular to said threaded axis and a compressor jaw carried by said male element for axial extension movement therewith at the other axial extremity of said actuating means, said compressor jaw being rotatable relative to said male member, and comprising a compressor plate spaced axially from said actuating means and formed with an opening therethrough in axial alignment with said actuating means, said plate being formed with segments of an upwardly opening circular socket on opposite sides of said opening concentric to said threaded axis.

2,601,640

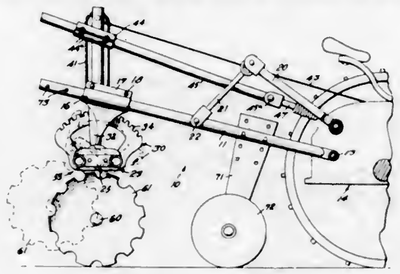
SOIL TILLING IMPLEMENT

Harlon D. Simmons, Tylertown, Miss.

Application March 10, 1950, Serial No. 148,885
7 Claims. (Cl. 97—50)

2. A soil tilling implement comprising, in combination with a draft vehicle, a supporting unit

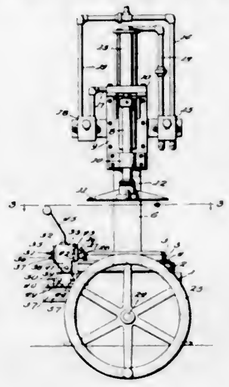
pivotally mounted at one end thereof on the draft vehicle and projecting from an end of the draft vehicle and including laterally spaced supporting arms, a clamping sleeve mounted on each of said supporting arms and individually adjustable relatively thereto, an implement supporting frame disposed beneath said supporting unit and substantially transversely of said clamping sleeves, a universal joint forming a connection between each of the clamping sleeves and the supporting frame whereby said supporting frame may be angularly adjusted relatively to the supporting unit by a selective movement of the clamping sleeves on the supporting arms, a plurality of bearing hangers adjustably supported by and disposed beneath the supporting frame, a clamping unit adjustably clamping each of said bearing hangers



to the supporting frame including detachably connected adjustable sections for angularly adjusting each bearing hanger relatively to the axis of the supporting frame, each clamping unit when disengaged being longitudinally adjustable of the supporting frame to vary the spacing between the bearing hangers, and a disk gang supported by and journalled in each of said bearing hangers, an auxiliary stabilizing arm pivotally connected to the draft vehicle and extending from the same end thereof and disposed above said supporting unit, a post rising from the supporting frame and fixedly disposed relatively thereto, a clamping sleeve mounted for universal swinging movement on said post and adjustably clamped to the auxiliary stabilizing arm for angularly adjusting the supporting frame relatively to said supporting unit.

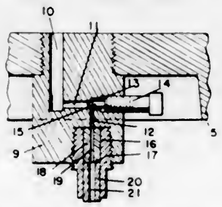
2,601,641
MACHINE FOR RESHAPING THE FLANGE OF IRREGULAR SHAPED CANS
Justin Simpson, Elmhurst, and Curtis W. Thomas, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 25, 1949, Serial No. 89,544
5 Claims. (Cl. 153—39)

1. A can flange reshaping machine comprising a rotatable chuck shaped to conform to the interior wall of an irregular shaped can and having a laterally projecting ledge at the lower end thereof on which the flange of the can rests when forced down over the chuck, a supporting bracket adjacent the chuck, a slide mounted thereon and movable radially of the chuck, a base member mounted on said slide, a block pivotally supported by said base member, a slide mounted in said block, a roller pivotally mounted on the slide, yielding means for moving said slide to a set position relative to the chuck, said roller being mounted in a plane inclined to the chuck and having a peripheral face adapted to contact with the flange all the way from the outer edge of the flange to the body wall of the can, spring means for yieldingly pressing said roller against the flange for re-



forming the same into intimate contact with the ledge and means for moving said first named slide in and out in conformity with the shape of the can whereby the roller will follow the irregular shape of the flange.

2,601,642
METHOD AND APPARATUS FOR REGULATING THE SIZE AND FORM OF SOLDER PELLETS
William C. Stammer, Glenview, and Calvin R. Breden, La Grange, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 7, 1950, Serial No. 142,812
7 Claims. (Cl. 18—2.4)



1. The method of regulating the production of solder pellets by dropping molten solder freely in a continuous stream of predetermined cross-section through a passageway having a minimum wetting attraction for the solder and causing the stream to widen to greater cross-section at a point above its discharge.

2,601,643
ANGLE MEASURING INSTRUMENT
Adolf Sulger, Kilchberg, Switzerland
Application August 18, 1949, Serial No. 111,019
In Switzerland August 30, 1948
7 Claims. (Cl. 33—207)

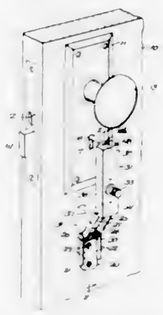
1. In an instrument of the type having a dial provided with scale markings and a gravity responsive pointer the improvement which comprises a stud member projecting rearwardly of the face of the dial, a support member rotatably receiving said stud member, a standard having

position determining means thereon spaced 90° relative to each other for selectively receiving said support in 90° spaced positions, locking means carried by the support and cooperable with the position determining means for selectively lock-



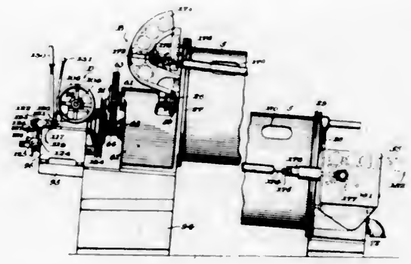
ing the support to said standard in said respective 90° spaced positions and a stop member carried by said standard and cooperable with said standard in one of the said 90° spaced positions of the support to prevent rotation of said stud and thereby said dial.

2,601,644
KEY FASTENER
Lee A. Swem, Portland, Oreg.
Application July 24, 1951, Serial No. 238,279
4 Claims. (Cl. 70—429)



3. A safety device for maintaining a key in a door lock to prevent illicit removal thereof by means of a tool inserted through the keyhole from the opposite side of the door, comprising a base member adapted to be mounted upon the door, a link pivotally attached to said base member, a box member pivotally attached to the end of said link, spring means normally urging said link into overlapping relation with said base member and said box member into overlapping relation with said link and base member, the arrangement being such that said box member may be transposed from the overlapping relation previously described to a position in which its upper end may embrace the projecting bow of a key in a keyhole in said door, a safety latch slidably mounted in said box member for movement in a longitudinal direction and including a tongue at its upper end which may be engaged with the end of the key when embraced by the upper end of said box member, said box member including means to support portions of said tongue on opposite sides of the key whereby to prevent twisting or displacement thereof, and an operating knob projecting from said box member and including a portion operatively engaged with said safety latch to effect movement thereof.

2,601,645
AGITATING PRESSURE COOKER
Walter M. Tomkins, Hinsdale, and Carl E. Magnus, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 30, 1947, Serial No. 794,760
33 Claims. (Cl. 99—364)



1. In apparatus for processing products in sealed cans wherein are provided spaces permitting movement of mobile contents, a retort in which to receive a heat exchanging medium, a rotor in the retort, means for applying continuous rotation to the rotor at a predetermined definite speed based upon the particular product being processed and about a generally horizontally disposed axis and for a selected processing period involving many complete rotations of the rotor, means on said rotor for supporting cans thereon with their longitudinal axes disposed transversely with respect to said axis of rotation and so spaced therefrom that said axis does not pass through any part of any can so supported, means for supplying cans to said supporting means prior to said processing period, and means for discharging cans from said supporting means after termination of said processing period.

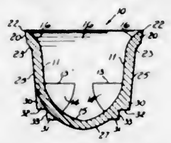
2,601,646
POLYESTERS OF DICARBOXYPHENYLDIMETHYLSILANE
Leslie J. Tyler, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application July 5, 1949, Serial No. 103,170
4 Claims. (Cl. 260—75)

1. A polyester composed of the esterification product of dicarboxyphenyldimethylsilane and a polyhydric alcohol selected from the group consisting of ethylene glycol, glycerol, and bis-hydroxymethyldimethylsilane, in which polyester the proportion of alcohol to dicarboxyphenyldimethylsilane is from one mol of alcohol per three mols of dicarboxyphenyldimethylsilane to one mol of alcohol per 0.306 mol of dicarboxyphenyldimethylsilane.

2,601,647
INGOT MOLD
John A. Upper, Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 28, 1949, Serial No. 101,701
9 Claims. (Cl. 49—65)

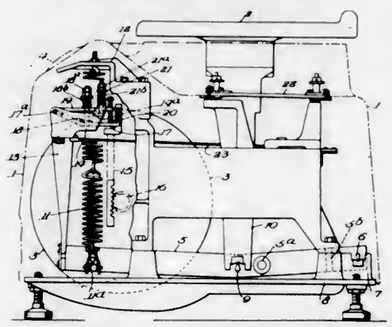
9. An ingot mold having a shape such that horizontal cross sections of said mold from top to bottom gradually change from square with

rounded corners to round, the mold having four interior pyramidal surfaces above its bottom, the



mold having separate ledges above its bottom and the mold being of one integral piece of metal.

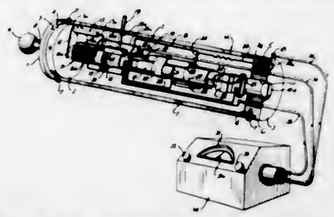
2,601,648
WEIGHING APPARATUS
Adrianus van Duyn, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., a corporation of Indiana
Application August 2, 1947, Serial No. 765,667
In Great Britain August 29, 1939
6 Claims. (Cl. 265—68)



1. Weighing apparatus embodying a rotatable drum chart, means for rotating said drum, said means embodying a gear and rack mechanism, shock absorbing means embodying a pair of arms pivotally mounted on a load-influenced support, one of said arms carrying said rack and adapted to be rotated in opposite directions relative to the support by opposite forces acting longitudinally of the rack, means whereby the other of said arms will, upon movement of the first arm in one direction, be moved thereby and in unison therewith, relatively to said support through a unidirectional coupling, but is prevented from following said first arm in the other direction of its relative movement, by engaging an abutment on the load-influenced support, a spring operating to urge the second arm against its abutment, said spring thus resisting the movement in unison of the arms, and an additional spring acting between said arms to resist movement of said rack-carrying arm alone, when the second arm engages its abutment.

2,601,649
ELECTRONIC THICKNESS GAUGE
Harold A. Wadman, West Hartford, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application August 2, 1948, Serial No. 42,013
5 Claims. (Cl. 175—183)

1. Apparatus for gauging the thickness of a wall of dielectric material which includes a metallic handle, a single generally spherical electrode supported at a point spaced from the handle and insulated therefrom with which said electrode is movable into juxtaposition to said dielectric wall, a high frequency oscillator mounted in and grounded to said handle, a source of current located externally of said handle and



connected in the oscillator circuit, the current of said oscillator varying responsively to changes in the capacitance of said single electrode produced by a change in thickness of the dielectric wall adjacent to the electrode, and a meter for measuring the average oscillator current.

2,601,650
PAPER DISPENSING PENCIL
Albert H. Walter, Brooklyn, Albert N. Florence, New York, and Robert H. Lendh, Bronx, N. Y.; said Florence and said Lendh assignors to said Walter
Application October 26, 1949, Serial No. 123,756
2 Claims. (Cl. 242—55.5)



1. A roll paper dispensing holder comprising a tubular member having a slit extending lengthwise thereof through which paper may be drawn, said tubular member having external grooves provided adjacent the respective opposite ends thereof, an adjustable tearing edge member having a bar portion extending along the side of the tubular member and spring clip portions respectively secured to the opposite ends of the bar portion and respectively rotatably fitted in the said grooves in the tubular member and a removable cap extending over one end of the tubular member and rotatable relative thereto, said removable cap having a notch in its wall releasably receiving one end of the bar portion, said cap thereby serving to rotatably adjust the tearing edge member on the tubular member and over the slit thereof for alignment with the paper.

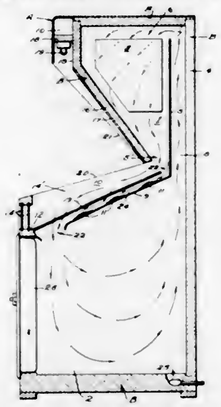
2,601,651
SELF-LOCKING CONNECTING MEANS
Joseph Wandy, Hartford, Conn.
Application July 1, 1948, Serial No. 36,532
5 Claims. (Cl. 151—9)

3. Self-locking threaded connecting means, comprising a member having an aperture provided internally with a thread, said thread having a notch intersecting it at a predetermined position, a cylindrical member having an external thread thereon complementary to the internal thread of said member, a projection disposed at a predetermined position in the root portion of said external thread and disposable within said notch when juxtaposed thereto incident to threadably connecting said members said notch and projection having cooperating surfaces provided with means to permit disen-



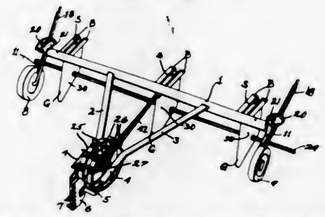
gagement thereof, by relatively rotating said members in either direction, and said cylindrical member being slotted for a portion of its length where said projection is positioned so as to be yieldable and permit the projection to move inwardly toward the axis of said cylindrical member during the time said projection is engaging the unnotched portions of said internal thread, and also to urge said projection outwardly into engagement with said notch when said projection is juxtaposed thereto.

2,601,652
AIR-CONDITIONED OPEN TOP DISPLAY CABINET
David Franklin Williams and James Donald Williams, Greenville, S. C., assignors to Williams Refrigeration, Inc., Greenville, S. C., a corporation of South Carolina
Application February 11, 1949, Serial No. 75,762
10 Claims. (Cl. 62—89.5)



1. An open top cabinet for displaying perishable food commodities, comprising a top compartment and a bottom compartment, air cooling means in the top compartment operated at a temperature below the dew point of air in the cabinet but above the freezing temperature of water, the cooling means producing active circulation of cooled and moisture-bearing air through the cabinet by convection currents maintained by differences in density between relatively cool and relatively warm air, an open display member for the commodities, means for directing convection currents of cool moisture-bearing air from the cooling means over and around the commodities on the display member, means for directing the currents of cool and partially de-humidified air downwardly by gravity into the bottom compartment after circulation around the commodities, and means communicating with the bottom compartment for leading convection currents of relatively warm air upwardly from the bottom compartment to the cooling means.

2,601,653
ROTARY ROD WEEDER
Henry K. Wolfe, Spokane, Wash.
Application August 3, 1948, Serial No. 42,179
2 Claims. (Cl. 74—229)

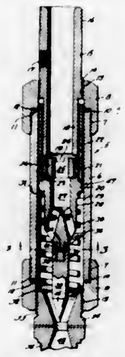


1. In a rotary rod weeder including a rotatable rod and a shoe through which the rod passes; mechanism for transmitting rotary motion to the rod comprising a drive pulley mounted about the rod within the shoe and held for rotary movement with the rod, said pulley having a concaved marginal edge face transversely arcuate and being formed with a circumferentially extending groove midway the width of the said edge face, pressure rollers rotatably mounted in the shoe in spaced relation to each other circumferentially of the drive pulley and having marginal edge faces arcuate and convexed in cross section and having portions fitting into the concaved edge face of said drive pulley in bridging relation to the groove, guide pulleys rotatably mounted in said shoe and spaced upwardly from the pulley and the pressure rollers, and a belt extending into the shoe and engaged about the guide rollers and extending downwardly therefrom with its lower end looped about the concaved edge face of the drive pulley and held in the groove thereof in gripping engagement with walls of the groove by the portions of the pressure rollers fitting into the said concaved edge face of the drive pulley and engaging the belt.

2,601,654
AUTOMATIC CHOKE CONTROL
Charles B. Wright, McFaddin, Tex.
Application April 1, 1949, Serial No. 84,872
4 Claims. (Cl. 137—152)

1. An automatic choke control for flow lines of gas or oil wells comprising a cylinder, coupling means detachably connected to the ends of said cylinder for interposing the choke control in a flow line including a nipple positioned at the outlet end of the cylinder, said nipple having a passage extending therethrough including a valve seat, a piston reciprocally disposed in said cylinder having a passage extending longitudinally therethrough and including an enlarged end located adjacent the inlet end of said cylinder, a choke member removably mounted in said enlarged end of the passage and having a restricted choke bore communicating with the piston passage and inlet end of the choke control, an inlet pipe connected to and forming a part

of the coupling means at the inlet end of the cylinder having an externally restricted end extending into the cylinder and normally engaging an end portion of the piston which is disposed around the choke, a valve connected to and projecting from the opposite end of said piston and supported thereby for movement therewith longitudinally of the cylinder and having a free end extending into the nipple passage for engagement with the valve seat thereof, in one position of the piston, for closing the choke control, expansion spring means biasing the piston into engagement against the restricted end of the inlet pipe and urging the valve toward an open position, and a sleeve carried by the piston and projecting from the first mentioned end thereof toward the inlet end of the choke control, said sleeve being loosely disposed around said externally restricted end of the inlet pipe and combining therewith to form a shield for preventing sand and other foreign matter from escaping through the cylinder around the piston and toward the inlet end of the choke control.

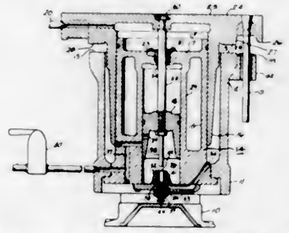


2,601,655
LAWN SPRINKLER
Einar O. Young, Winter Park, Fla.
Application March 15, 1950, Serial No. 149,753
2 Claims. (Cl. 299—65)



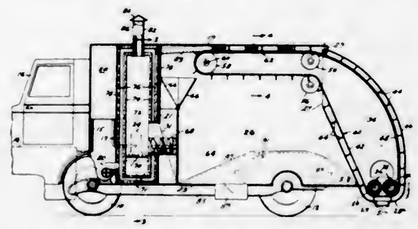
2. A lawn sprinkler comprising a base, a rigid tubular portion supported in an upright position by said base, a spike screwed into the lower end of the base for holding same in an upright position, a fitting attached to the side of the base adapted to be connected to a garden hose, a small flexible rubber tube connected to the upper end of the tubular portion, a spiral or spring support surrounding the lower end of the rubber tube, a suitable nozzle carried by the free end of the flexible rubber tube, said nozzle consisting of a small tubular section slightly flared at one end, the other end being flattened and rounded to form two rounded parallel lips, close to each other, the tubular section being perforated at the base of each of said lips and also at the sides of the tubular section.

2,601,656
FOUNDRY MACHINE
Lester C. Young, Cleveland, Ohio, assignor to Spo, Inc., a corporation of Ohio
Application July 19, 1949, Serial No. 105,554
8 Claims. (Cl. 22—45)



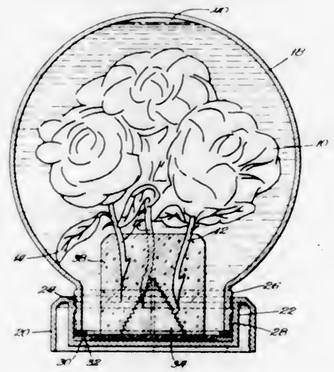
8. A molding machine comprising, a base, a piston supported and carried by the base and extending upwardly therefrom, a cylinder surrounding the piston, a jolt table carried by said cylinder, said piston and cylinder defining an extensible fluid pressure chamber, fluid inlet and outlet means for injecting fluid into said extensible fluid pressure chamber and exhausting same to provide a squeeze action movement of said table, said piston having a vertically extending internal bore, a jolt piston fitting in said bore, said jolt piston and bore defining an extensible fluid pressure chamber, means connecting said jolt table to said piston, and fluid control means with inlet and outlet lines leading to said chamber defined by the jolt piston and the bore, said fluid pressure control means being governed by the relative position of the jolt piston and the bore in which it operates.

2,601,657
MOBILE INCINERATOR
John B. Brandt, Harry J. Kelly, and John J. Burns, Chicago, Ill.
Application May 23, 1950, Serial No. 163,678
11 Claims. (Cl. 110—8)



10. The combination with an automotive vehicle having a fuel tank, of a combustion chamber in the forward end of the vehicle, a burner therefor connected to said fuel tank, a dump truck body mounted on said vehicle, a hollow tail gate pivotally connected to the top at the back end of said dump truck body, a crusher rolls mounted in the lower end of said hollow tail gate for pulverizing materials dumped therein, and conveyor means passing beneath said crusher rolls for moving said pulverized materials, said conveyor means extending forwardly from said hollow tail gate adjacent the top of said dump truck body to said combustion chamber, said conveyor means including a pair of spaced endless chains, blades connected therebetween and a wall adjacent the top of said dump truck body over which said blades move said material to said combustion chamber.

2,601,658
IMMERSED FLORAL DISPLAY
Clarence E. Bussert, Melrose Park, Ill.
Application February 19, 1952, Serial No. 272,341
8 Claims. (Cl. 41—10)



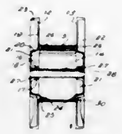
8. A submerged natural plant display comprising: natural plant members with their internal moisture content and cell structure substantially intact; a thin, impermeable, opaque, chemically inert, water-proof coating adhering permanently to the surfaces of said plant members exposed to view and sealing said surfaces; said coating also substantially covering all plant surfaces accessible to liquid enveloping the plant members; a container enclosing all of said members; and a filling of clear transparent substantially pure water in said container and enveloping said members.

2,601,659
NITRILES AND PREPARATION OF THE SAME
George W. Hearne, Lafayette, and Donald S. La France, Concord, Calif., assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware
No Drawing. Application January 2, 1951, Serial No. 204,096
4 Claims. (Cl. 260—465.6)

1. Alpha - ethylidene - beta - hydroxypropionitrile.

4. The method of preparing an alpha-alkylidene-beta-hydroxypropionitrile which comprises hydrolyzing an alpha-alkylidene-beta-halopropionitrile in an aqueous medium in the presence of a controlled amount of a basic agent at a temperature within the range of from about 30° C. to about 100° C. to produce said alpha-alkylidene-beta-hydroxypropionitrile.

2,601,660
SPOOL CONSTRUCTION
Wincenty Zygmunt Jarmicki, Toronto, Ontario, Canada, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Ontario
Application July 6, 1948, Serial No. 37,142
1 Claim. (Cl. 242—118)

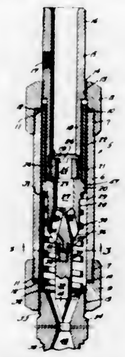


A spool for wire and the like comprising a pair of end discs each having a peripheral rim, an inner annular plane portion, an outer annular plane portion lying in a plane rearwardly offset from the plane of the inner portion, an annular web joining said portions, an axial hub extending rearwardly from said inner portion, a plurality of ribs on the inner portion joining the hub and web, a plurality of ribs on the outer portion joining the rim and web and a series of inwardly deflected and uniformly spaced wall portions in the outer portion in uniform radial relation to the hub, each said deflected wall portion providing a complementary wall opening in the outer portion, an axial supporting member having its end portions mounted in the hubs, and a material-carrying member having each of its end portions overlying a series of said deflected wall portions and welded thereto.

2,601,661
COLORED EMULSIONS FOR COLORING TEXTILE FABRICS
Roy H. Kienle and Alfred L. Peiker, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 4, 1947, Serial No. 778,036
7 Claims. (Cl. 260—15)

1. A colored oil-in-water emulsion suitable for printing and coloring of textiles and other fabrics; in which the inner phase consists of a resin-free, water-immiscible organic liquid; the continuous aqueous phase has dispersed therein the color and dissolved therein a thermosetting, amide-formaldehyde resin, a thermoplastic hydrophilic water-soluble acid-stable colloid and an acid catalyst capable of accelerating the conversion of said amide-formaldehyde resin into the insoluble state; the amount of said hydrophilic colloid being sufficient to confer stability on the emulsion and to retain the strength and water resistance of the film formed when fabrics are colored or printed with said emulsion followed by heat treatment; the inner phase of the emulsion amounting to from 4.5 to 70% by weight of the total emulsion, the resin-free volatile organic liquid having substantially no solvent action or reactivity with said amide-formaldehyde resin and being sufficiently volatile at the temperature of transformation of the film-forming substance into the insoluble state so that it is substantially volatilized during such transformation.

of the coupling means at the inlet end of the cylinder having an externally restricted end extending into the cylinder and normally engaging an end portion of the piston which is disposed around the choke, a valve connected to and projecting from the opposite end of said piston and supported thereby for movement therewith longitudinally of the cylinder and having a free end extending into the nipple passage for engagement with the valve seat thereof, in one position of the piston, for closing the choke control, expansion spring means biasing the piston into engagement against the restricted end of the inlet pipe and urging the valve toward an open position, and a sleeve carried by the piston and projecting from the first mentioned end thereof toward the inlet end of the choke control, said sleeve being loosely disposed around said externally restricted end of the inlet pipe and combining therewith to form a shield for preventing sand and other foreign matter from escaping through the cylinder around the piston and toward the inlet end of the choke control.

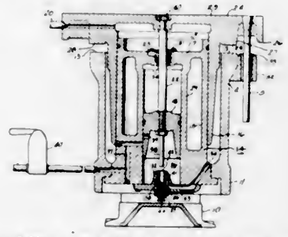


2,601,655
LAWN SPRINKLER
Einar O. Young, Winter Park, Fla.
Application March 15, 1950, Serial No. 149,753
2 Claims. (Cl. 299—65)



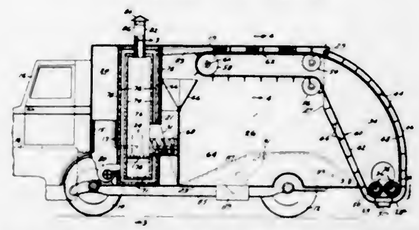
2. A lawn sprinkler comprising a base, a rigid tubular portion supported in an upright position by said base, a spike screwed into the lower end of the base for holding same in an upright position, a fitting attached to the side of the base adapted to be connected to a garden hose, a small flexible rubber tube connected to the upper end of the tubular portion, a spiral or spring support surrounding the lower end of the rubber tube, a suitable nozzle carried by the free end of the flexible rubber tube, said nozzle consisting of a small tubular section slightly flared at one end, the other end being flattened and rounded to form two rounded parallel lips, close to each other, the tubular section being perforated at the base of each of said lips and also at the sides of the tubular section.

2,601,656
FOUNDRY MACHINE
Lester C. Young, Cleveland, Ohio, assignor to Spo, Inc., a corporation of Ohio
Application July 19, 1949, Serial No. 105,554
8 Claims. (Cl. 22—45)



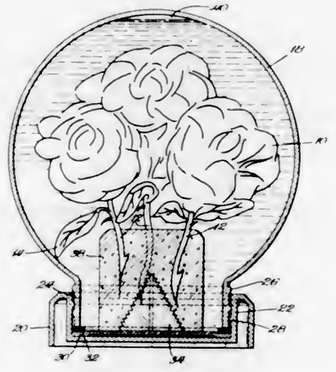
8. A molding machine comprising, a base, a piston supported and carried by the base and extending upwardly therefrom, a cylinder surrounding the piston, a jolt table carried by said cylinder, said piston and cylinder defining an extensible fluid pressure chamber, fluid inlet and outlet means for injecting fluid into said extensible fluid pressure chamber and exhausting same to provide a squeeze action movement of said table, said piston having a vertically extending internal bore, a jolt piston fitting in said bore, said jolt piston and bore defining an extensible fluid pressure chamber, means connecting said jolt table to said piston, and fluid control means with inlet and outlet lines leading to said chamber defined by the jolt piston and the bore, said fluid pressure control means being governed by the relative position of the jolt piston and the bore in which it operates.

2,601,657
MOBILE INCINERATOR
John B. Brandt, Harry J. Kelly, and John J. Burns, Chicago, Ill.
Application May 23, 1950, Serial No. 163,678
11 Claims. (Cl. 110—8)



10. The combination with an automotive vehicle having a fuel tank, of a combustion chamber in the forward end of the vehicle, a burner therefor connected to said fuel tank, a dump truck body mounted on said vehicle, a hollow tail gate pivotally connected to the top at the back end of said dump truck body, a crusher rolls mounted in the lower end of said hollow tail gate for pulverizing materials dumped therein, and conveyor means passing beneath said crusher rolls for moving said pulverized materials, said conveyor means extending forwardly from said hollow tail gate adjacent the top of said dump truck body to said combustion chamber, said conveyor means including a pair of spaced endless chains, blades connected therebetween and a wall adjacent the top of said dump truck body over which said blades move said material to said combustion chamber.

2,601,658
IMMERSED FLORAL DISPLAY
Clarence E. Bussert, Melrose Park, Ill.
Application February 19, 1952, Serial No. 272,341
8 Claims. (Cl. 41—10)



8. A submerged natural plant display comprising: natural plant members with their internal moisture content and cell structure substantially intact; a thin, impermeable, opaque, chemically inert, water-proof coating adhering permanently to the surfaces of said plant members exposed to view and sealing said surfaces; said coating also substantially covering all plant surfaces accessible to liquid enveloping the plant members; a container enclosing all of said members; and a filling of clear transparent substantially pure water in said container and enveloping said members.

2,601,659
NITRILES AND PREPARATION OF THE SAME
George W. Hearne, Lafayette, and Donald S. La France, Concord, Calif., assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware
No Drawing. Application January 2, 1951, Serial No. 204,096
4 Claims. (Cl. 260—465.6)

1. Alpha - ethylidene - beta - hydroxypropionitrile.

4. The method of preparing an alpha-alkylidene-beta-hydroxypropionitrile which comprises hydrolyzing an alpha-alkylidene-beta-halopropionitrile in an aqueous medium in the presence of a controlled amount of a basic agent at a temperature within the range of from about 30° C. to about 100° C. to produce said alpha-alkylidene-beta-hydroxypropionitrile.

2,601,660
SPOOL CONSTRUCTION
Wincenty Zygmunt Jarmicki, Toronto, Ontario, Canada, assignor to Dominion Magnesium Limited, Toronto, Ontario, Canada, a corporation of Ontario
Application July 6, 1948, Serial No. 37,142
1 Claim. (Cl. 242—118)



A spool for wire and the like comprising a pair of end discs each having a peripheral rim, an inner annular plane portion, an outer annular plane portion lying in a plane rearwardly offset from the plane of the inner portion, an annular web joining said portions, an axial hub extending rearwardly from said inner portion, a plurality of ribs on the inner portion joining the hub and web, a plurality of ribs on the outer portion joining the rim and web and a series of inwardly deflected and uniformly spaced wall portions in the outer portion in uniform radial relation to the hub, each said deflected wall portion providing a complementary wall opening in the outer portion, an axial supporting member having its end portions mounted in the hubs, and a material-carrying member having each of its end portions overlying a series of said deflected wall portions and welded thereto.

2,601,661
COLORED EMULSIONS FOR COLORING TEXTILE FABRICS
Roy H. Kienle and Alfred L. Peiker, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 4, 1947, Serial No. 778,036
7 Claims. (Cl. 260—15)

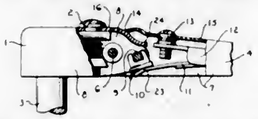
1. A colored oil-in-water emulsion suitable for printing and coloring of textiles and other fabrics; in which the inner phase consists of a resin-free, water-immiscible organic liquid; the continuous aqueous phase has dispersed therein the color and dissolved therein a thermosetting, amide-formaldehyde resin, a thermoplastic hydrophilic water-soluble acid-stable colloid and an acid catalyst capable of accelerating the conversion of said amide-formaldehyde resin into the insoluble state; the amount of said hydrophilic colloid being sufficient to confer stability on the emulsion and to retain the strength and water resistance of the film formed when fabrics are colored or printed with said emulsion followed by heat treatment; the inner phase of the emulsion amounting to from 4.5 to 70% by weight of the total emulsion, the resin-free volatile organic liquid having substantially no solvent action or reactivity with said amide-formaldehyde resin and being sufficiently volatile at the temperature of transformation of the film-forming substance into the insoluble state so that it is substantially volatilized during such transformation.

2,601,662

WINDSHIELD WIPER ARM

Fred A. Krohm, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana

Application June 12, 1946, Serial No. 676,298
14 Claims. (Cl. 15—250)



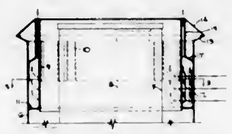
1. A windshield wiper arm comprising a head, an outer section pivotally connected to said head, abutment means carried by said head, resilient means carried by said outer section, and bearing means interposed between said abutment means and said resilient means, said bearing means including a pair of spaced wall portions engaging said abutment means and a portion bridging said side wall portions engaging said resilient means in a manner whereby said bearing means may pivot and said resilient means may slide with respect to said bearing means upon relative movement between said head and said outer section.

2,601,663

SHIP'S FUNNEL WITH MEANS FOR RAISING FUNNEL GASES

John Lamb, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application April 5, 1949, Serial No. 85,526
In Great Britain April 22, 1948
6 Claims. (Cl. 98—60)



1. In combination with an upright ship's funnel, first wall means comprising inner and outer upright walls separate from and spaced from said funnel defining a confined air intake chamber external to said funnel and near an upper part thereof; one or more air intake ports in said wall means opening to the outside atmosphere at least on the forward side of said funnel; second wall means defining an air discharge channel of constricted transverse width extending vertically along said funnel for an appreciable height at least partially surrounding said funnel, said discharge channel having a horizontal cross-sectional area substantially less than that of the air intake chamber and being located substantially at the top of the funnel, open at the top to the outside atmosphere at least on the rear side of said funnel substantially at the height of the top thereof and in communication with said air intake chamber.

2,601,664

DEICING WIPER BLADE FOR CURVED WINDSHIELDS

Israel Nesson, Lynn, Mass., assignor to Max Zaiger, Swampscott, Mass.

Application June 8, 1950, Serial No. 166,786
10 Claims. (Cl. 15—250.3)

1. A windshield wiper blade comprising a channeled holder having aligned, flexibly jointed sections, each consisting of top, side and bottom walls defining an interior channel extending from end to end of the blade, the respective bottom walls having communicating, longitudinal slots for receiving the neck of a flexible wiper strip, a wiper strip having a bead loosely disposed in said channel and retained therein by said bottom walls, and a neck received in said slots, means



flexibly interconnecting said sections for angular transverse movement relative to each other, a strip of material comprising a water soluble substance having a relatively low freezing point disposed in the channel of at least one of said holder sections intermediate the top wall thereof and said bead, and a saddle having its ends pivotally connected to the outermost sections of the holder.

2,601,665

THERMOSETTING RESINS AND PROCESS OF PREPARING SAME

George E. Niles, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 29, 1949, Serial No. 124,491
20 Claims. (Cl. 92—21)

5. A process of preparing nitrogen-containing thermosetting resins which comprises reacting 1 molecular proportion of an amino compound selected from the group consisting of urea, thiourea, cyanamide, dicyandiamide, guanidine and aminotriazines having at least two primary amino groups and mixtures thereof with from 0.5 to 2 molecular proportions, based on each amino group of said amino compound, of an aldehyde in an aqueous solution having a pH between about 7 and 10 to form a condensate of said amino compound and said aldehyde, adding to the resulting solution from about 0.05 to 0.5 molecular proportion of a water-soluble salt of nuclear substituted hydroxy aromatic sulfonic acid containing from 6 to 10 carbon atoms and having one hydroxyl group and 1 to 2 sulfonic acid groups, in which acid the hydroxyl and sulfonic acid groups are the sole substituents other than hydrogen, adjusting the pH of the resulting solution between 4 and 10 and heating the solution until the condensate in the solution is water-soluble and is capable of increasing the wet tensile strength of paper formed from cellulose fibers treated with said condensate in the presence of a substance selected from the group consisting of aluminum sulfate and mineral acids.

2,601,666

PROCESS OF PREPARING THERMOSETTING RESINS FROM UREA, AN ALDEHYDE AND AMINOALIPHATIC CARBOXYL COMPOUNDS AND DERIVATIVES THEREOF

George E. Niles, Winchester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 29, 1949, Serial No. 124,495
9 Claims. (Cl. 260—70)

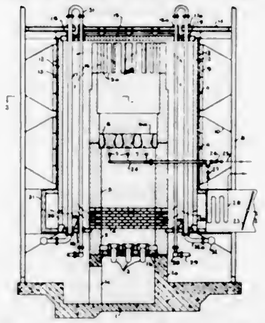
9. A process of preparing a nitrogen-containing thermosetting resin which comprises reacting 1 molecular proportion of urea with from 2 to 4 molecular proportions of a substance selected from the group consisting of formaldehyde and a compound capable of yielding formaldehyde on heating in an aqueous solution, in an alkaline aqueous solution to form a methylolated urea; adding to the resulting solution from 0.05 to 0.5 molecular proportion of an amino aliphatic compound containing from 2 to 6 carbon atoms and selected from the group consisting of monoamino alkanoic acids, mono-amino alkandioic acids, water-soluble salts thereof and addition compounds of said acids and salts with formaldehyde; concentrating the resulting solution to a solids content of 55 to 65% by weight without materially changing the degree of polymerization of said methylolated urea; acidifying the resulting solution; allowing the methylolated urea and said amino aliphatic component to react and condense until the viscosity of the solution at 60% by weight of resin solids is between about 5 and 10 poises as measured by the Gardner-Holdt bubble viscometer; and then making the solution alkaline with a water-soluble base.

2,601,667

TUBE HEATER WITH FLUE GAS RECIRCULATION AND HEATING METHOD

Karl Permann, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 12, 1948, Serial No. 7,987
15 Claims. (Cl. 122—275)



1. A tube heater comprising an enclosing wall structure forming a central vertical combustion chamber, a source of hot combustion gases near the bottom of said combustion chamber, an outer wall spaced from and surrounding said wall structure to form a vertically elongated heating space therebetween, vertical convection heating tubes located entirely outside of said enclosing wall structure and within said heating space, passageways interconnecting the combustion chamber and the heating space both at the top and at the bottom, means located within said combustion chamber for inducing upward movement of combustion gases and flue gas upwardly within said combustion chamber, whereby gases may circulate through said chamber and space, and a flue for discharging flue gas.

2,601,668

STABILIZED BARIUM AND STRONTIUM LITHOL TONERS

Volney Tullsen, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 27, 1949, Serial No. 118,177
8 Claims. (Cl. 260—33.4)

1. A process of transforming an unstable lithol toner, selected from the group consisting of barium and strontium lithol toners, into a stable form which comprises heating the toner in an oxygen-containing organic liquid selected from the group consisting of mono-, di-, and triethylene glycols and dioxane at a temperature ranging from about 50° C. to about 200° C. and for a time period ranging from about 10 minutes to about a day, until transformation into the stable crystal structure is substantially complete.

2,601,669

STABILIZED BARIUM AND STRONTIUM LITHOL TONERS

Volney Tullsen, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 30, 1950, Serial No. 187,834
3 Claims. (Cl. 260—195)

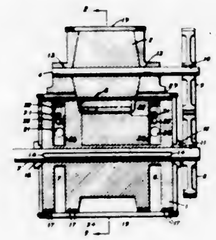
1. A process of transforming an unstable lithol toner, selected from the group consisting of barium and strontium lithol toners, into a stable form which comprises heating the toner in formamide at a temperature ranging from slightly above room temperature to below the decomposition point of the toner, until transformation into the stable crystal structure is substantially complete.

2,601,670

ROTARY PUMP OR MOTOR

Ambrose White, Kentwood, La.

Application February 7, 1949, Serial No. 75,021
6 Claims. (Cl. 121—71)



1. A rotary pump or motor comprising a rotor shaft; an elongated cylindrical rotor carried on and rotatable with said rotor shaft, said rotor being formed with an annular fluid space adjacent each end and extending inwardly from the peripheral surface of the rotor, an intermediate annular cylinder space also extending inwardly from said peripheral surface, and a pair of closely spaced longitudinally and oppositely extending port passages running from the bottom surface of said cylinder space to respectively adjacent fluid spaces; a countershaft; a rotating abutment of cylindrical cross section and having a diameter equal to that of the bottom surface of the rotor cylinder space, carried on and rotatable with said countershaft in line contact relation with said bottom surface, said rotating abutment being formed with an axially extending, symmetrical peripheral recess of arcuate shape, the innermost part of which is spaced from the bottom surface of the rotor cylinder space a distance equal to the depth of said cylinder space; a piston member fixed to said rotor within the cylinder space and over said port passages, said piston member being formed with an outer configuration complementally engaging and spanning the recess of the rotating abutment and having circumferentially spaced nozzle openings in said outer

configuration leading respectively to said port passages; and a sealed casing fitting closely over and conforming to the sides and ends of said rotor and rotating abutment, said casing having openings communicating separately with each of the annular fluid spaces of the rotor.

2,601,671

RESIN-IMPREGNATED LEATHER BOARD

Lucius H. Wilson, Greenwich, Chester G. Landes, New Canaan, and Charles S. Maxwell, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 23, 1946, Serial No. 705,242
2 Claims. (Cl. 92—21)

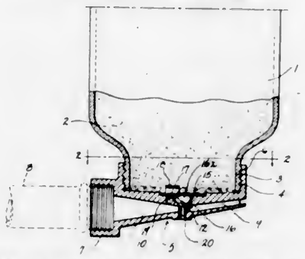
1. In a method of making leather board by the steps of preparing an aqueous suspension of fibrous sheet-forming material including a major proportion of leather fibers, impregnating the fibrous material with a water-insoluble hydrophobic organic impregnating agent and forming the impregnated fibrous material into a felted product, the improvement which consists in first adding to the aqueous fiber suspension 1–15% of melamine resin, based on the dry weight of said fibrous material, in the form of a colloidal solution of cationic hydrophilic melamine-formaldehyde resin, then aging the suspension for at least 30 minutes, then adding an aqueous dispersion of the water-insoluble hydrophobic organic impregnating agent in deflocculated condition and flocculating the impregnating agent in the presence of the suspended fibers by the action of the cationic melamine resin, and thereby depositing the impregnating agent uniformly on the fibers along with melamine-formaldehyde resin.

2,601,672

FERTILIZER DISSOLVING AND SPRAYING DEVICE

Francis L. Gatchet, Gardiner, Wash.

Application August 20, 1949, Serial No. 111,494
1 Claim. (Cl. 299—84)



A device of the character described comprising a cap having a bottom wall equipped with an annular, internally threaded flange adapted for threaded application to the neck portion of a container to secure the cap for the gravity feeding of material thereinto from the inverted container, and a spray device integrally formed with the bottom wall of the cap at the underside thereof and comprising a water supply channel and a spray channel; said channels being in alignment diametrically of the cap; said bottom wall of the cap having a mixing chamber, formed concentrically therein adjacent its upper surface and having an air port in the axial center of the cap opening from the bottom thereof into the base of the chamber, a plate applied to the cap wall and overlying the said mixing chamber and extended beyond in periphery; said water supply channel being equipped for hose connection at its outer end and tapered to its discharge end and there opening into the said air port, and said spray channel having its inner end opening into the air port to receive the water discharged from the supply channel, and diverging to its outer end, said cover plate for the chamber having a partially detached tongue bent upwardly therefrom as an angular baffle, and providing an outlet from the container into the mixing chamber, and there being a water hole leading from the water supply channel into the opening as provided by the upbending of the tongue for delivery of water against the tongue for deflection thereby to create a whirling mixture in the cap.

2,601,673

SHORTSTOPPING THE ADDITION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS

Frank M. McMillan and Eugene T. Bishop, Berkeley, Calif., assignors to Shell Development Company, Emeryville, Calif., a corporation of Delaware

No Drawing. Application April 9, 1951, Serial No. 220,142
17 Claims. (Cl. 260—84.7)

1. In the polymerization of styrene in the form of an aqueous emulsion, the step of adding to the emulsion and in the presence of a peroxygen polymerization catalyst 0.001 to 2 parts by weight of 2,2,4,6 - tetramethyldihydropyridine per 100 parts by weight of styrene originally present in the emulsion after polymerization of styrene in the emulsion to polystyrene and while said emulsion still contains unconverted styrene.

2,601,674

LIQUID CONTACT APPARATUS WITH ROTATING DISKS

Gerrit H. Reman, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application June 13, 1949, Serial No. 98,793
In the Netherlands June 18, 1948
14 Claims. (Cl. 23—270.5)



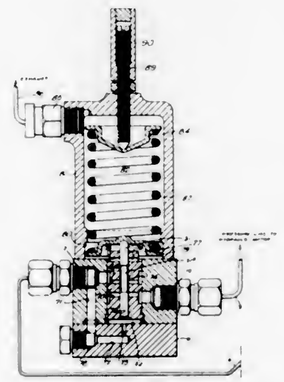
1. A rotating disc contactor comprising a tubular shell; a plurality of annular, stationary baffles fixed within said shell extending from the shell wall to a central opening and dividing said shell into a series of compartments; a rotor shaft extending axially with respect to said shell through said openings; a plurality of disc-like rotor baffles fixed to said shaft, each rotor baffle being wholly within one of said compartments and displaced a substantial distance axially from the stationary baffles thereof and extending outwardly toward the wall of said shell, each of said rotor baffles being smaller than the openings in the stationary baffles toward one end of the shell from the respective rotor baffle, whereby said shaft and rotor baffles can be moved through said openings toward the said end of the shell; means for introducing and discharging fluid at axially displaced points in said shell; and means for rotating said rotor shaft and rotor baffles.

2,601,675

HYDRAULIC SYSTEM FOR SUPPLYING PRESSURE LIQUID TO MOTORS OF HYDRAULIC MACHINES

John Maurice Towler, Harrogate, and Frank Hathorn Towler, Otley, England, assignors to Electraulic Presses Limited, Rodley, near Leeds, England, a corporation of England

Application May 15, 1946, Serial No. 669,858
In Great Britain May 25, 1945
7 Claims. (Cl. 60—52)



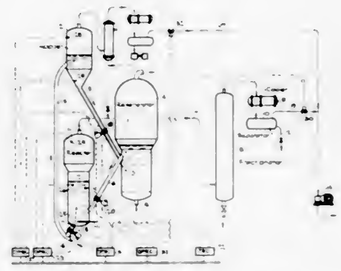
3. A hydraulic system of the kind specified, comprising in combination with a hydraulic motor, a pump having a plurality of chambers and adapted to run continuously for supplying liquid for actuating said hydraulic motor, a delivery main interconnecting said hydraulic motor and said pump, an automatically operating unloading valve for unloading said respective pump chambers when the pressure in said delivery main therefor reaches a predetermined maximum, said unloading valve being operable to unload at least one of said pump chambers at different time relation with respect to the others and under different pressure values, a control valve actuated by the pressure in the pump delivery main to divert liquid from said delivery main to said unloading valve for actuating said unloading valve, said control valve being interposed in the delivery main between the pump delivery and the hydraulic motor to be actuated, and a pressure reducing valve interposed in the delivery main between the control valve and the hydraulic motor.

2,601,676

CONTROL OF FLOW OF FLUIDIZED SOLIDS

Richard P. Trainer, Amityville, N. Y., and Lawson E. Border, Westwood, N. J., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application March 10, 1950, Serial No. 148,912
5 Claims. (Cl. 23—1)



1. In a process wherein a bed of continuously replenished fluidized solid is continuously maintained in a vessel, the method of controlling the rate of withdrawal of fluidized solid from said bed through an orifice of controllable area which comprises controlling the pressure above the said fluidized bed in inverse relationship to and in response to changes in the differential pressure measured across said orifice, and controlling the area of said orifice in direct relationship to and in response to changes in the differential pressure measured between said pressure above said fluidized bed and the pressure at a point within the said fluidized bed.

2,601,677

COMBINATION DOOR PULL-TO AND ARMREST

Elmer G. Wettlaufer, Bloomfield Hills, Mich.

Application February 9, 1949, Serial No. 75,456
22 Claims. (Cl. 155—198)



10. An arm rest for attachment to a supporting wall having a substantially vertical surface, said arm rest comprising a thin-walled, hollow, substantially inflexible casing of molded plastic material, said casing being open at the top, cushion means carried by the casing and closing the open top thereof, said casing being formed to provide a front wall portion and a rear portion and spaced end portions integral with and connecting the first-mentioned portions, at least one of said casing portions including a top edge, said cushion means being at least partially supported on said top edge, said rear portion being adapted to fit against such supporting wall surface, stiffening web means within the casing interconnecting and formed integral with portions thereof, and aperture forming means in the casing and integral therewith adapted to receive a securing element for attaching said casing to such supporting wall.

2,601,678

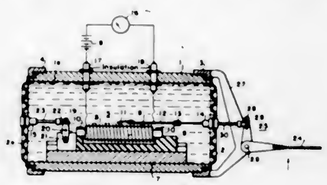
MEASURING APPARATUS

Charles G. Beatty, Pittsburgh, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application February 10, 1950, Serial No. 143,560

6 Claims. (Cl. 201—48)

1. In a device responsive to a physical quantity, the combination of, a tubular member, flexible diaphragm means at each end of said tubular member sealing the ends of said tubular member, a dielectric fluid medium filling said tubular member, a variable impedance device having a pair of relatively movable impedance varying elements, means connecting one of said relatively movable elements to one diaphragm means to be moved thereby in the same direction as said one diaphragm means moves, means connecting the other of said relatively movable elements to the other diaphragm means to be moved thereby in a direction opposite to the movement of said other

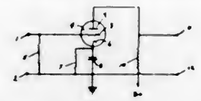


to one diaphragm means in dependence of the diaphragm means and means for applying a force physical quantity.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

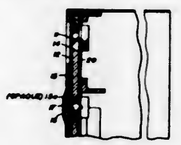
560,460. **ANTIHUNT SYSTEM.** James H. Stein, Garden City, N. Y. Filed Oct. 26, 1944. Published June 24, 1952. Class 250—27. 1 sheet of drawings. 6 pages of specification.



Apparatus for introducing rate of change terms into the signal components of an amplitude-modulated carrier wave comprising thermionic tube **4** having grid **3**, cathode **6** and plate **9**, a resistor **7** shunted by capacitor **8** connecting cathode **6** to ground potential, the values of resistance and capacitance being chosen to operate said tube on the non-linear portion of its grid-voltage/plate-current characteristic curve and substantially at cut-off, and an input circuit **1**, **2**, **5** for impressing the input signal on grid **3**, the output signal from plate **9** being impressed across impedance **10** to terminals **11** and **12**.

653,925. **PANEL.** Forrest G. Hagadorn, United States Navy. Filed Mar. 12, 1946. Published June 24, 1952. Class 240—8.11. 1 sheet of drawings. 4 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

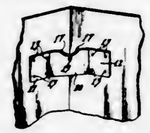


This application relates to a means for illuminating switches mounted in a control panel, including a sheet **12** of some suitable light transmitting material such as methyl-methacrylate resin characterised by a capacity to transmit light edgewise through the sheet. An opaque cover plate **15** is spaced from and covers the light transmitting sheet **12**. A light source **16**, supported from behind the light transmitting sheet, is located within an opening **17** in said sheet behind an opaque shield **15A** in cover plate **15**. Switches **11** are mounted behind sheet **12** and arranged to extend through openings **14** in sheet **12** and corresponding openings in said cover plate **15**.

With this arrangement, light produced by source **16** passes into sheet **12** through the sides of opening **17**, is transmitted through sheet **12**, and discharged through the edges of the openings **14** to illuminate the portions of switches **11** located within these openings.

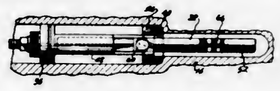
The device as described above is best shown in Fig. 2.

674,532. **BRACKET FOR LOUD-SPEAKER HOUSINGS.** Maxwell A. Kerr, Mount Ephraim, N. J., and Stephen A. Caldwell, Jr., and John E. Volkmann, Indianapolis, Ind., assignors to Radio Corporation of America, a corporation of Delaware. Filed June 5, 1946. Published June 24, 1952. Class 248—224. 2 sheets of drawings. 5 pages of specification.



The mounting bracket illustrated in the drawing comprises a metal plate having a center portion **10** and two angularly disposed end portions **11** and **12**. Each of the end portions **11** and **12** makes an angle of 135° with the center portion **10**, and they make an angle of 90° with each other. Suitable holes **13** are provided whereby the bracket may be attached to adjacent walls of an enclosure such as a room, with the center portion **10** of the bracket bridging the corner of the enclosure. The center portion has a slot **15** extending to the upper edge of the bracket for accommodating a mounting stud extending from the back of the apparatus to be supported by the bracket (for example, a loud speaker housing). The edges of the slot **15** are bent slightly forward to produce guide surfaces or wings **17** to increase the facility with which the mounting stud may be inserted in the slot.

683,474. **PROPELLER BLADE VIBRATION SUPPRESSOR.** Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware. Filed July 13, 1946. Published June 24, 1952. Class 170. 2 sheets of drawings. 7 pages of specification.



To damp vibrations in a propeller blade, a hollow cage member **36**, having oppositely disposed side portions **42** and an end flange **40**, is forced into the hollow shank of the blade so as to abut a shoulder therein and locked against rotation about its axis. A member **48** having arcuate shoulders **54** is disposed within the cage member. A washer **56** having spaced oppositely disposed arcuate shoulders **58** abuts flange **40**. Rollers **60** and **62** are arranged between respective pairs of shoulders **54** and **58** and when the propeller is subject to vibrations, the vibratory movements substantially perpendicular to the longitudinal axis of the blade are transmitted through rollers **60** and **62** to member **48** imparting a lateral movement thereto. As the rollers roll on the arcuate

shoulders, the member **48** is forced inwardly against the action of centrifugal force absorbing energy which is returned to the propeller blade when member **48** moves back to its center position. The member **48** and the geometry of the rollers and arcuate surfaces are selected so that vibration induced movements of member **48** will be out of phase with a particular vibration frequency of the blade which it is desired to suppress. A device constructed as described is known as a tuned dynamic vibration damper or absorber.

729,875. **RADIOACTIVE CHEMICAL WARFARE AGENTS.** Jack De Ment, Portland, Oreg. Filed Feb. 20, 1947. Published June 24, 1952. Class 167—47. No drawing. 8 pages of specification.

This application discloses radioactive chemical warfare agents for use as radiological weapons or in the study of the behavior of chemical warfare agents. More particularly, it relates to compositions of conventional chemical warfare agents which include radioactive elements as part of the chemical structure thereof or comprise a mixture of a said conventional chemical warfare agents and a radioactive material and processes for making the same.

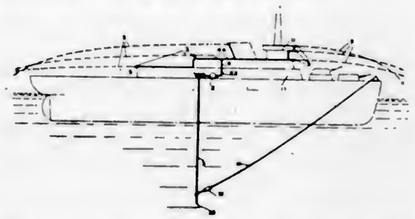
The radioactive warfare agents of this application may be made by the neutron irradiation of the conventional chemical warfare agents in a nuclear reactor. A second method involves the production of artificially radioactive atoms or molecules and the subsequent synthesis of the chemical warfare agents from intermediates containing the said radioactive atoms or molecules. A third method comprises the simple mixing of the chemical warfare agent with a substance that is radioactive.

The radioactive agent can be manufactured from one or more reactants, suitably chosen, which carry Cl^{38}, As^{76}, N^{13} or S^{35}, for example, and depending upon the particular material. Phosgene ($COCl_2^{35}$) is made by exposing a mixture of CO and Cl_2^{35} to ultra-violet light or passing the mixture over charcoal at 100° C. Lewisite ($ClCH{:}CHAsCl_2$) is prepared by passing HC:CH through $AsCl_3$ in the presence of $AlCl_3$ (anhydrous), the temperature not exceeding 50° C. The $AlCl_3$ is removed by HCl wash and the lewisite distilled out en vacuo. The Cl^{38} may be used as a partial or complete substituent for the As-bonded Cl or bonded to the vinyl group in the 2 position. As^{76} is introduced, as desired. Mustard ($C_4H_8Cl_2S$) is prepared in a variety of forms, using well known processes, which incorporate S^{35} and/or Cl^{38}. Thus dry $CH_2{:}CH_2$ is bubbled into SCl(30° C.), the SCl having either or both atoms radioactive. Diphenylchlorarsine (adamsite; $C_{12}H_9AsClN$) is prepared by the reaction of diphenylamine and $AsCl_3$, the latter carrying Cl^{38} and the former N^{13}, as desired.

Radioactive compositions, as distinguished from the compounds above may be made by the addition of radioactive soap compositions described in my application Serial No. 725,970, filed February 1, 1947, to warfare agents. Also soluble transuranium compounds in solution or adsorbed on soluble carriers may be combined with chemical warfare agents.

The orthodox chemical warfare agents can be extended to include other compounds which, in radioactive form, may be of special interest or value. For example, radioselenium is substituted for sulfur or radiophosphorus for arsenic. The half-lives of radioactive warfare agents may vary between minutes and years, depending upon the intended application.

748,632. **METHOD AND MEANS FOR PROTECTION OF SHIPS AND BUILDINGS FROM RADIOACTIVE WEAPONS.** Jack De Ment, Portland, Oreg. Filed May 16, 1947. Published June 24, 1952. Class 204—154. 1 sheet of drawings. 12 pages of specification.



This application discloses a method of protecting ships and buildings and like structures from noxious agents incident to the use of radioactive weapons, e. g., atomic bombs, as well as other weapons, e. g., poison gas. To a lesser extent, a certain protection is afforded against thermal radiations which may accompany the use of warfare weapons.

The method comprises enveloping the structure to be protected in a plurality of outwardly moving layers of water. The water is preferably ejected from nozzles under sufficient pressure to pass over the bow, stern or sides of the ship, depending upon the placement of the nozzles, and not drop or splash in large amounts onto the decks of the ship.

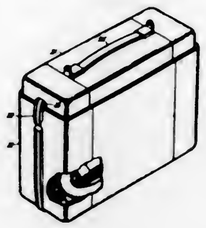
In Figure 1 showing a ship in side elevation **1** is the ship having a superstructure **11**; **2** is a water pump, the inlet of which is connected with a hose **3** which extends beneath the sea and allows intake of non-noxious water at **33**; cable **111** and weight W maintain hose **3** in position at the desired depth. The outlet of pump **2** is a conduit **4** having branches **44** provided with a valve **22** for regulating water flow. Conduits **44** are positioned over the surface of the ship, feeding spread-lip, or like nozzles **5**, which eject the non-noxious water over and away from the surfaces of the ship in such a manner that a plurality of outwardly moving layers **6**, in the form of a curtain or umbrella of water, are produced. Layers **6** intercept radioactive or other noxious atmosphere bound towards **1**. The valve means **22** may be connected with a Geiger-Mueller counter actuating system, so that the artificial rain producing system may be put into operation automatically.

The system mounted upon a building is essentially the same except that non-noxious water is obtained from other suitable sources, e. g. a buried reservoir, or well.

The method also has value for deception and camouflage, as for example in the case of a small ship which produces a very large envelope of water in the form of a curtain or umbrella, which to the eye and radar, appears identical with a similar envelope which covers a much larger vessel.

750,710. **TANK TYPE VACUUM CLEANER WITH RECEPTACLE FOR CARRYING ATTACHMENTS.** Arthur C. Wesche, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York. Filed May 27, 1947. Published June 24, 1952. Class 312—223. 2 sheets of drawings. 6 pages of specification.

A tank type vacuum cleaner with a body **21** having a handle **25** on its top is provided with a lug **23** on each end cooperating with a clamp **24** on a removable receptacle **22**, which fits around the bottom of the cleaner body. The receptacle **22** may be used to store and carry the hose, wands, and other attachments for the cleaner



body. A modification shown in the application includes a different arrangement of cleaner body with an attachment receptacle hingedly connected to the body.

784,754. **NONSOAP DETERGENT PRODUCT COMPRISING AN ALKALINE EARTH METAL ALKYL ARYL SULFONATE.** Phillip M. Maxwell, Lexington, and Kenneth E. Perry, Auburndale, Mass., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Filed Nov. 7, 1947. Published June 24, 1952. Class 252—109. No drawing. 16 pages of specification.

The application discloses alkaline earth metal alkyl aryl sulfonates and compositions comprising them which are characterized by their ability to remain free-flowing and pour readily from a carton under humid conditions.

The alkyl aryl sulfonic acids from which the alkaline earth metal salts are derived have the formula $R.aryl.SO_3H$ where R is an alkyl radical of 1 to 24 carbon atoms preferably 10 to 16 and the aryl radical is mono- or poly-nuclear, preferably benzene or toluene.

The compounds may be made by sulfonating an alkyl aryl hydrocarbon and neutralizing with the hydroxide, oxide, or carbonate of an alkaline earth metal, preferably magnesium. The magnesium sulfate which is also formed in the neutralization is water-soluble and may remain in the product, since in many instances it enhances the action of the product somewhat in the manner of a builder.

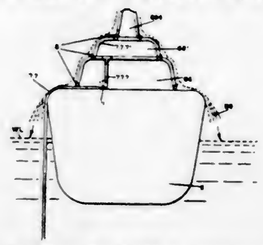
The alkaline earth metal alkyl aryl sulfonates may be combined with soap and with various diluents and builders. Examples of such diluents and builders include sodium sulfate, magnesium sulfate, sodium chloride and alkali metal silicates, borates, carbonates and phosphates. The presence of the phosphates, such as tetrasodium pyrophosphate and pentasodium tripolyphosphate is especially advantageous.

The following composition is illustrative:

	Per cent
Magnesium alkyl aryl sulfonate	30
Magnesium sulfate	4.8
Tetrasodium pyrophosphate	20
Sodium carbonate	15
Sodium silicate	20.2
Water	10

Compositions such as the above remain free-flowing after exposure for prolonged periods to a high relative humidity, and have excellent detergent properties as revealed by standardized dish-washing tests and by the washing of cotton cloths soiled with a standardized soiling composition.

791,074. **METHOD AND MEANS FOR STRUCTURE SURFACE PROTECTION.** Jack De Ment, Portland, Oreg. Filed Dec. 11, 1947. Published June 24, 1952. Class 204—154. 1 sheet of drawings. 11 pages of specification.



The application discloses a method of protecting structures, such as ships, buildings and the like, from noxious atmospheres. The noxious atmosphere may be of various types, such as that incident to an atomic explosion, toxic war gases, and bacterial warfare agents. The method may also be used for protection against large amounts of heat, ultraviolet and visible radiations, as well as corpuscular radiations.

The method comprises flowing a film of non-noxious water over the surface of the structure. The water film intercepts noxious atmosphere, or harmful radiations, and in the case of the former carries the noxious agent off the structure.

Fig. 2 shows the means for protecting the ship **6** having the superstructure **66**, **66'** and **666**. A hose **77** extends into the sea at a depth of 50 feet or more, where the water is non-noxious. The hose **77** leads to a pump **7** which drives the water through the conduits **777** and branch conduits **777'**, arranged upon the surfaces of the ship. The water flows through nozzles **8**, which facilitate formation of the water into an unbroken blanket which flows off the ship at **99**. The thickness of the moving water film may vary from between a few millimeters to one or more centimeters. Small metal vanes or guides may be positioned vertically upon the surface to guide and regulate the water blanket thickness, flow direction and drainage. In the case of buildings, channels may be placed about the base so that the water is carried into the channels and away to sewers or the like.

792,093. **STARCH COMPOSITIONS.** Herbert L. Sanders, Phillipsburg, N. J., assignor to General Aniline and Film Corporation, New York, N. Y., a corporation of Delaware. Filed Dec. 16, 1947. Published June 24, 1952. Class 106—193. No drawing. 6 pages of specification.

This application discloses textile brightening compositions prepared by adding a substantive fluorescent compound, e. g., an aminostilbene sulfonic acid compound, to a slurry of starch in water, stirring the mixture thoroughly to insure a fine dispersion of the aminostilbene sulfonic acid in the slurry so that the aminostilbene sulfonic acid compound is adsorbed by or becomes affixed to the starch. The slurry is washed several times with water by decantation, filtered, again washed and dried. It may be used directly for the brightening of cotton fabrics without drying.

Aminostilbene sulfonic acid compounds which in substantive combination with starch can be employed following the invention for the brightening of cotton fabrics are, for example, 4,4'-dibenzoylaminostilbene-2,2'-disulfonic acid. 4,4'-di - p-aminobenzoylaminostilbene-2,2'-disulfonic acid, 4,4' - di(m-aminobenzoylamino) - stilbene-

3,3' - disulfonic acid, 4,4' - di(p-dimethylaminobenzoylamino) -stilbene-2,2'-disulfonic acid, 4,4'-di(o - chlorobenzoylamino) - stilbene - 2,2'-disulfonic acid, 4,4'-bis(2,4-dihydroxy-1,3,5-triazyl-6-amino) -stilbene-2,2'-disulfonic acid, 4,4'-bis(2-hydroxy - 4 - phenylamino - 1,3,5 - triazyl - 6-amino) - stilbene - 2,2'-disulfonic acid, 4,4'-bis-(phenylureido) -stilbene-2,2'-disulfonic acid, and the water-soluble salts thereof, for example, the sodium salts.

In the specific example a slurry of 10% starch in water is mixed with 0.01% by weight of 4,4'-bis-(phenylureido) -stilbene-2,2'-disulfonic acid. After stirring for one-half hour, the slurry is washed with water by decantation several times, filtered, again washed with water, and dried. The treated starch is fluorescent in ultra-violet radiation. On slurrying the starch composition in water, practically none of the stilbene compound passes into the water. A slightly yellowed white cotton shirt partly starched with the fluorescent starch composition and partly with plain starch exhibits in daylight a marked increase in brightness in the area carrying the fluorescent starch composition.

In another example .002% of 4,4'-di(p-dimethylaminobenzoylamino) - stilbene - 2,2'-disulfonic acid sodium salt was used as the aminostilbene sulfonic acid compound.

97,322. **PEROXIDE CATALYSTS OF THE POLYMERIZATION OF VINYL MONOMERS AND VINYLIDENE MONOMERS.** David M. Clark, Cuyahoga Falls, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio. Filed June 4, 1949. Published June 24, 1952. Class 204—158. No drawing. 9 pages of specification.

This application relates to the polymerization of vinyl and vinylidene monomers by means of catalysts which are peroxides of fulvene polymers, fulvene derivatives and polymers of fulvene derivatives. Following is an example:

Ten grams of freshly distilled styrene monomer were added to each of nine tubes. Three of the tubes were used as controls. Two per cent of benzoyl peroxide (identified in the following tables as $C_{14}H_{10}O_4$) were added to three of the tubes and two percent of peroxidized 6-methyl-6-ethylfulvene polymer identified in the following tables as Per. MEF, were added to the other three tubes. The tubes were divided into groups of three and their contents subjected to treatments as indicated in the following table:

	Tube No.	Contents	Observed After: 21 Hrs.	29 Hrs.	74 Hrs.
Series A: (Maintained at room temperature).	1	Control	No change	No change	No change.
	2	2% Per. MEF	do	do	Do.
Series B: (Heated in oven at 60° C.).	3	2% $C_{14}H_{10}O_4$	do	do	Do.
	4	Control	do	do	Hard, colorless.
	5	2% Per. MEF	do	do	Viscous.
Series C: (Subjected to ultra-violet-lamp irradiations).	6	2% $C_{14}H_{10}O_4$	Very viscous	Extremely viscous	Do.
	7	Control	No change	Slightly viscous	Hard, colorless.
	8	2% Per. MEF	Stiff gel	No change	Hard, yellow.
	9	2% $C_{14}H_{10}O_4$	Slightly viscous	Quite viscous	Hard, slightly yellow

It appears from the above that on heating, the peroxide of the fulvene polymer is not as active as benzoyl peroxide. The styrene polymer formed under ultra-violet light in the presence of the polymer peroxide was cross-linked. It had a higher fusion point than the polymer prepared by benzoyl peroxide. Also it was insoluble in benzene, although it swelled some. The polymer obtained using benzoyl peroxide was soluble in benzene.

138,528. **PREPARATION OF SOYBEAN PROTEIN PRODUCT.** Paul A. Belter and Allan K. Smith, Pekin, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Filed Jan. 13, 1950. Published June 24, 1952. Class 99—17. No drawing. 9 pages of specification.

(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In accordance with the process soybean flakes or meal from which the oil has been removed, particularly commercial soybean flakes produced in the hexane or petroleum ether extraction processes, are extracted or washed with methanol. This treatment removes the anti-gelling principles, undesirable taste principles, as well as color bodies, leaving a bland-tasting, light colored product. After methanol extraction the product may then be extracted with water to produce a gelable material equal in taste qualities to that produced from ethanol-washed flakes.

The following example is illustrative of the disclosure:

Five hundred grams of commercial hexane-extracted flakes were mixed with 1500 ml. of absolute methanol which had been preheated to 30° C. The flakes were then drained and washed with 1400 ml. of fresh methanol as before. The total time of contact of the flakes with methanol was 15 minutes. After draining off the extract, the flakes were air-dried overnight. The resulting miscella drained from the flakes was highly colored and the extracted flakes were light-colored, indicating that color bodies had been removed to a large extent. The alcohol may be recovered for reuse by distillation.

A water slurry was made of the dry flakes. The slurry was then poured on a cheesecloth and pressed, and the insoluble part of the flakes discarded. The water extract contains the gelable protein material. If heated on a water bath a firm irreversible gel will form. The gelable protein material may be recovered in the dry form from its aqueous dispersions by spray drying. It is composed of approximately 55 percent protein and 45 percent carbohydrates.

The dry product may be dissolved or dispersed in water. Aqueous dispersions containing 5.5 percent protein or higher (10 percent total solids or higher) will form a firm irreversible gel when heated above 90° C. for a few minutes. In general, the content of solids required to form aqueous gels ranges from about 10 to 50 percent with respect to the water content, and the gelling temperatures range from 65° C. up to boiling, the higher temperatures corresponding to the lower ranges of solids content.

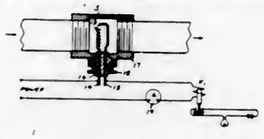
The pH may vary over a wide range, but too great acidity will prevent gelling and induces precipitation of the proteinaceous constituents. In general, the pH should be kept within the range of about 5.0 to 9.0.

The gelable product made in accordance with this disclosure is useful in making food products, such as cooky filler, ice cream mixes and puddings. A particular advantage lies in the gelable property which renders the food products stable in shape and form.

The proteinaceous product behaves in many respects like egg white. Aqueous dispersions may be whipped, for example, in a conventional whipping machine into a meringue similar to that produced from egg white. A portion of the aqueous extract from the example given above, for instance, exhibited excellent whipping characteristics. Samples of a whip from the product of this example were baked in an oven at 100° C. for several hours. The baked product had a pleasing bland taste.

Instead of absolute methanol as used in the above example, aqueous methanol ranging from 70 percent up to absolute may be used. Although for the sake of convenience we prefer to carry out the methanol extraction at room temperature, temperatures considerably below room temperature may be employed. If temperatures are employed in excess of 30° C. but below the boiling point of the solvent there is a tendency to denature the protein; so that exposure times at such temperatures should not be prolonged. The washing or extraction process may be carried out in any of the conventional equipment designed for countercurrent or batch extraction of oilseeds.

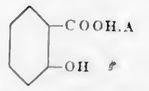
181,080. **HEATED FILAMENT IMPURITIES MONITOR.** Arthur F. Dershowitz, New York, N. Y., assignor to General Electric Company, a corporation of New York. Filed Aug. 23, 1950. Published June 24, 1952. Class 23—255. 1 sheet of drawings. 7 pages of specification.



An instrument for detecting or monitoring impurities in an inert gas stream in which a chemically reactive material (filament **13**) is exposed to the gas to be tested or monitored, said material being electrically heated and of such a thickness to undergo a structural change or break upon contact with the impurities in said gas which operates to (*a*) indicate the amount of the impurity or impurities present (ammeter **19**) and/or (*b*) detect the presence of a gross amount of impurity or impurities present (relay K_1). The chemically reactive material may take forms other than that of a filament, e. g. the material may be in a liquid state and located in a recessed member having the same type of signal circuit arrangement as the filament type material.

199,933. **PROCESS FOR PREPARING SALTS OF ANTIHISTAMINIC BASES.** Geza S. Delmar, Montreal, Quebec, Canada, assignor to Delmar Chemicals Limited, Lachine, Quebec, Canada. Filed Dec. 8, 1950. Published June 24, 1952. Class 260—296. No drawing. 7 pages of specification.

The application relates to salicylic acid salts of antihistaminic organic bases having the following formula



where A is the organic antihistamine base. The preferred bases are β-dimethylaminoethyl benzohydryl ether, N-p-methoxy-benzyl-N-β-dimethylaminoethyl - α - aminopyridine, N-β-dimethylaminoethyl - N - benzylaniline, 10 - β - dimethylaminoethylphenothiazine, N - β - dimethylaminoethyl-N-α-thienyl-methyl-α-aminopyridine, 1-α-pyridyl - 1 - phenyl-3-dimethylaminopropane, 2-(phenyl benzylaminoethyl) -imidazoline, N,N-dimethyl - N' - phenyl - N'-(2 - thenyl) ethylenediamine, N,N-dimethyl-N'-α-pyridyl-N'-(5-halo-2-thenyl) ethylenediamine.

The salicylates of the present invention can be prepared by bringing together a water-soluble salt of an antihistaminic compound with a water-soluble salt of salicylic acid in the presence of water to form the desired salt which is water-insoluble, separating off the insoluble product from the reaction medium and drying the insoluble product which is the desired salicylate.

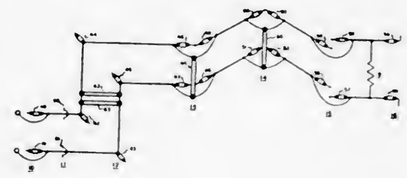
The reaction can be and preferably is performed at room temperature. The removal of the water-insoluble salicylate formed may be washing and drying either in vacuo or at atmospheric pressure.

The water-soluble salts of the antihistaminic bases used in accordance with the present invention may be for example, the hydrochlorides, the maleates, the citrates. The water-soluble salts of salicylic acid are preferably the sodium, potassium, and ammonium salts.

The new salts of the present invention have been found to be particularly useful in the treatment of fungus infections for example, athlete's foot.

200,271. **TRANSMISSION LINE.** Helmut L. Brueckmann, Little Silver, N. J., assignor to the United States of America as represented by the Secretary of the Army. Filed Dec. 11, 1950. Published June 24, 1952. Class 178—44. 2 sheets of drawings. 11 pages of specification.

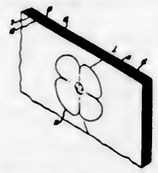
(Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The arrangement according to this disclosure permits elimination of the discontinuity due to the lumped capacity of an insulator supporting a given arrangement of wires with an otherwise uniform characteristic impedance, especially transmission lines. As shown in the figure, it consists of a combination of this insulator (**46**, **48**, for example) and a wire jumper of smaller diameter than the main line, the diameter and length of the jumper being calculated so as to neutralize the effect of the added capacitance of the insulator.

207,994. LAMINATED ELECTRICAL HEATING PANEL WITH DECORATIVE SURFACE. Clarence Frere, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York. Filed Jan. 26, 1951. Published June 24, 1952. Class 219—19.4. 1 sheet of drawings. 6 pages of specification.

An electrical heating panel, such as that made from an insulating layer 11 containing heating wires 12 and having thermally conductive coverings 13, is provided on one or both sides with a thin, decorative outer layer 9. This is preferably of a synthetic plastic material, but may be a wood veneer, natural plastic, or natural or synthetic rubber. The decorative layer is permanently bonded to the other laminations of the panel to provide a durable, flexible and permanent decorated surface carrying floral or other

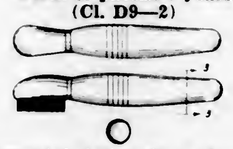


designs 10 in various colors so that after the panel is installed there is no need to paint, paper, tile, or otherwise decorate it.

DESIGNS

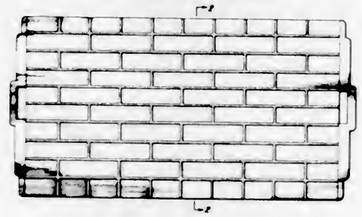
JUNE 24, 1952

167,064
FOUNTAIN BRUSH
Edward M. Apple, Grosse Pointe Woods, Mich.
Application February 14, 1952, Serial No. 18,524
Term of patent 7 years
(Cl. D9—2)



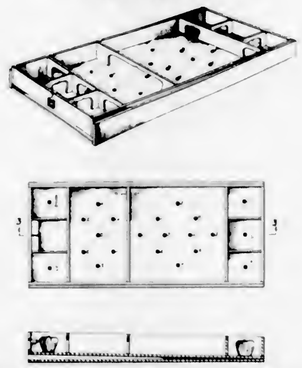
The ornamental design for a fountain brush, as shown.

167,065
DOOR MAT
Manson O. Bohanan, Knoxville, Tenn.
Application August 13, 1951, Serial No. 16,254
Term of patent 14 years
(Cl. D9—6)



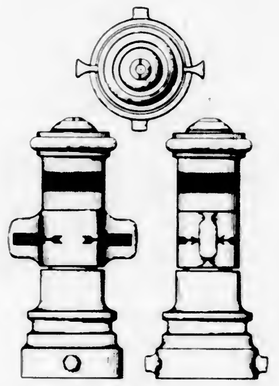
The ornamental design for a door mat, as shown.

167,066
GAME BOARD
Robert U. Bronson, Eugene, Oreg.
Application November 16, 1951, Serial No. 17,436
Term of patent 14 years
(Cl. D34—5)



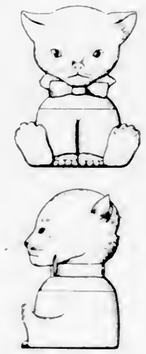
The ornamental design for a game board, as shown and described.

167,067
FIRE HOSE NOZZLE
Peter Caird, Santa Rosa, Calif.
Application November 27, 1951, Serial No. 17,538
Term of patent 14 years
(Cl. D91—1)



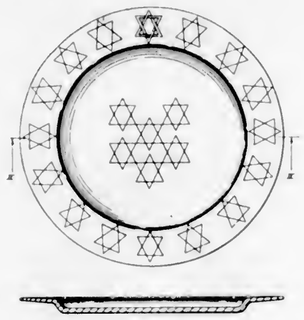
The ornamental design for a fire hose nozzle, as shown and described.

167,068
FIGURINE
Juanita Chase, San Francisco, Calif.
Application March 2, 1951, Serial No. 14,366
Term of patent 14 years
(Cl. D29—23)



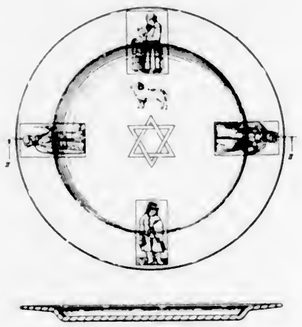
The ornamental design for a figurine, as shown.

167,069
PLATE
Stella Davis and Jack Davis, London, England
Application April 16, 1951, Serial No. 14,863
In Great Britain February 16, 1951
Term of patent 3½ years
(Cl. D44—15)



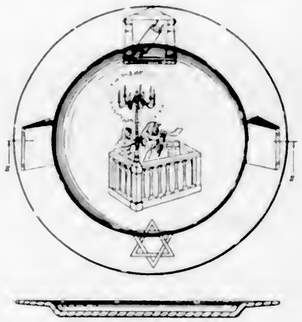
The ornamental design for a plate, as shown.

167,070
PLATE
Stella Davis and Jack Davis, London, England
Application April 16, 1951, Serial No. 14,864
In Great Britain February 16, 1951
Term of patent 3½ years
(Cl. D44—15)



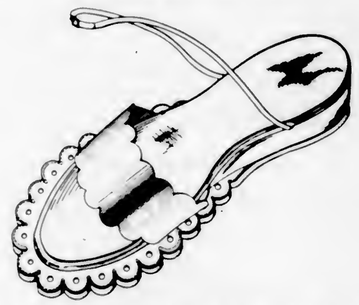
The ornamental design for a plate, as shown.

167,071
PLATE
Stella Davis and Jack Davis, London, England
Application April 16, 1951, Serial No. 14,865
In Great Britain March 6, 1951
Term of patent 3½ years
(Cl. D44—15)



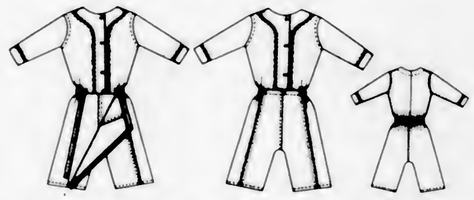
The ornamental design for a plate, as shown.

167,072
SANDAL
John B. Flautt, Swampscott, Mass.
Application September 6, 1951, Serial No. 16,537
Term of patent 14 years
(Cl. D7—7)



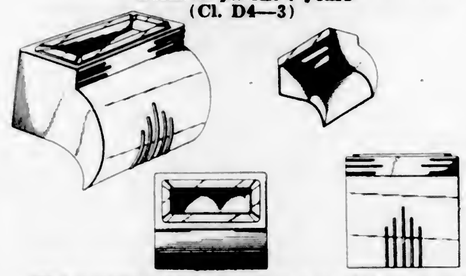
The ornamental design for a sandal, substantially as shown and described.

167,073
CHILD'S PLAYSUIT
Rose Taisch Friedman, Scranton, Pa.
Application March 20, 1952, Serial No. 18,982
Term of patent 7 years
(Cl. D3—17)



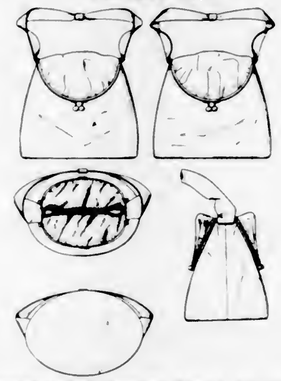
The ornamental design for a child's playsuit, substantially as shown.

167,074
GUARD FOR A TOILET PAPER FIXTURE
Samuel L. Gerson, Wilmington, Del.
Application October 17, 1951, Serial No. 16,968
Term of patent 7 years
(Cl. D4—3)



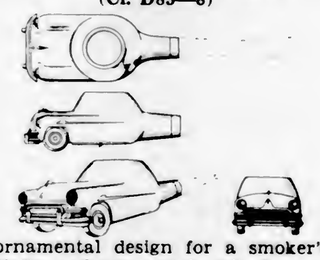
The ornamental design for a guard for a toilet paper fixture, substantially as shown.

167,075
HANDBAG
Milton S. Graber, Lawrence, N. Y., assignor to Harry Rosenfeld, Inc., New York, N. Y., a corporation of New York
Application July 21, 1951, Serial No. 15,977
Term of patent 7 years
(Cl. D87—3)



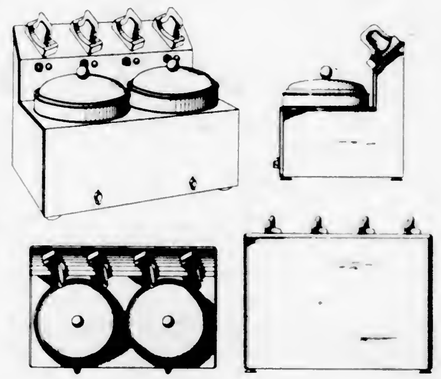
The ornamental design for a handbag, substantially as shown.

167,076
SMOKER'S PIPE
Martin A. Gross, Fairborn, Ohio
Application June 19, 1951, Serial No. 15,604
Term of patent 3½ years
(Cl. D85—8)



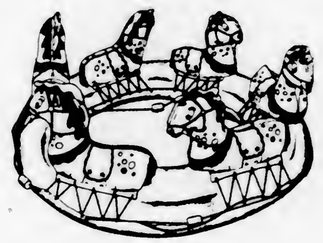
The ornamental design for a smoker's pipe, substantially as shown and described.

167,077
COMBINED BARBECUE MEAT COOKER AND BUN TOASTER
Frederick F. Gunther, Chicago, Ill., assignor to Helmco, Inc., Chicago, Ill., a corporation of Illinois
Application January 17, 1952, Serial No. 18,105
Term of patent 14 years
(Cl. D81—10)



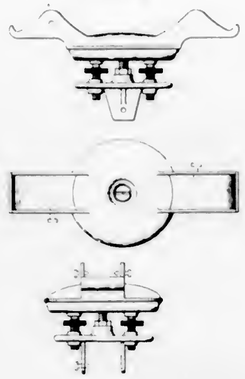
The ornamental design for a combined barbecue meat cooker and bun toaster, as shown and described.

167,078
INFLATABLE WATER TOY
Elliott Harrowe, Hollis, N. Y.
Application March 9, 1951, Serial No. 14,440
Term of patent 3½ years
(Cl. D34—15)



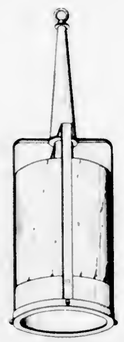
The ornamental design for an inflatable water toy, substantially as shown and described.

167,079
LEVELING SUPPORT FOR CARPENTER'S LEVEL
William L. Heffern, St. Petersburg, Fla.
Application January 18, 1952, Serial No. 18,110
Term of patent 14 years
(Cl. D52—1)



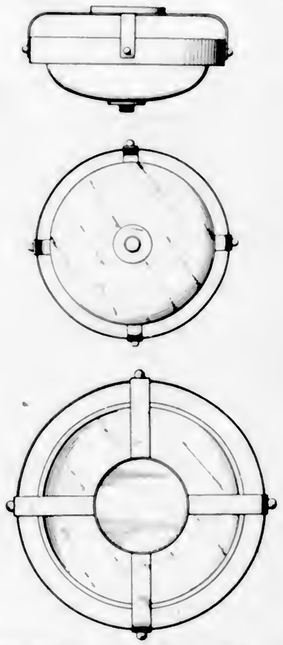
The ornamental design for a leveling support for carpenter's level, substantially as shown and described.

167,080
HANGING LANTERN
Eduard R. Huegel, Brooklyn, N. Y., assignor to Rambusch Decorating Company, New York, N. Y., a corporation of New York
Application April 1, 1952, Serial No. 19,143
Term of patent 14 years
(Cl. D48—23)



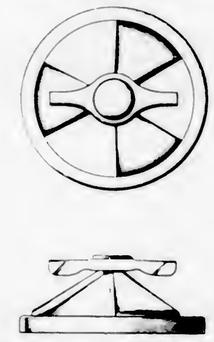
The ornamental design for a hanging lantern, as shown.

167,081
CEILING LIGHTING FIXTURE
Eduard R. Huegel, Brooklyn, N. Y., assignor to Rambusch Decorating Company, New York, N. Y., a corporation of New York
Application April 1, 1952, Serial No. 19,144
Term of patent 14 years
(Cl. D48—23)



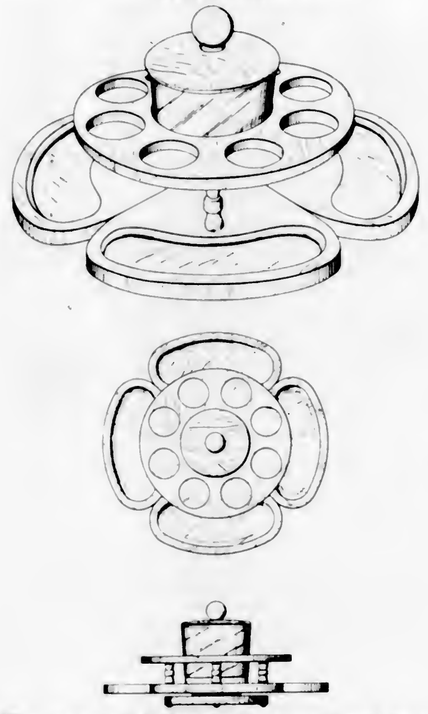
The ornamental design for a ceiling lighting fixture, as shown.

167,082
COVER FOR A FILTER
Herbert G. Kamrath, Barrington, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application November 2, 1951, Serial No. 17,239
Term of patent 14 years
(Cl. D46—1)



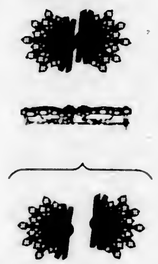
The ornamental design for a cover for a filter, as shown.

167,083
COMBINED SERVING TRAY, GLASS CADDY, AND ICE BUCKET
Robert B. Karoff, New York, N. Y., assignor to Novelty Utilities, Inc., New York, N. Y., a corporation of New York
Application March 1, 1952, Serial No. 18,746
Term of patent 14 years
(Cl. D44—10)



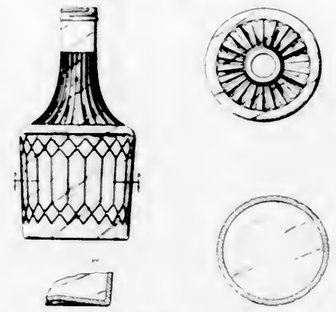
The ornamental design for a combined serving tray, glass caddy, and ice bucket, as shown.

167,084
SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 18, 1952, Serial No. 18,567
Term of patent 7 years
(Cl. D45—19)



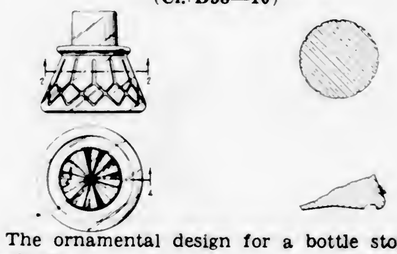
The ornamental design for a separable brooch, substantially as shown.

167,085
BOTTLE
Arthur R. Kaufer, Kew Garden Hills, N. Y., assignor to Quality Importers, Inc., New York, N. Y., a corporation of New York
Application February 20, 1952, Serial No. 18,602
Term of patent 14 years
(Cl. D58—6)



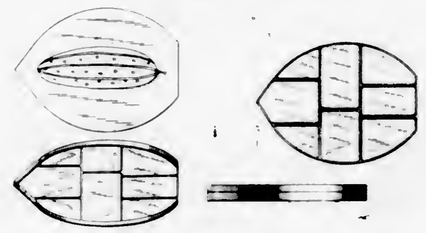
The ornamental design for a bottle, as shown.

167,086
BOTTLE STOPPER
Arthur R. Kaufer, Kew Garden Hills, N. Y., assignor to Quality Importers, Inc., New York, N. Y., a corporation of New York
Application February 20, 1952, Serial No. 18,603
Term of patent 14 years
(Cl. D58—10)



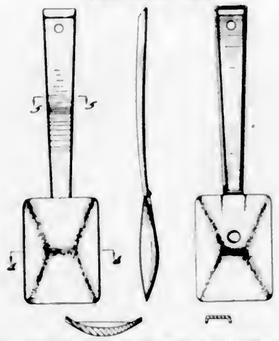
The ornamental design for a bottle stopper, as shown.

167,087
PICKLE ASSORTMENT CONTAINER
Thomas W. Kyte, New York, N. Y.
Application June 27, 1950, Serial No. 10,777
Term of patent 3½ years
(Cl. D44—15)



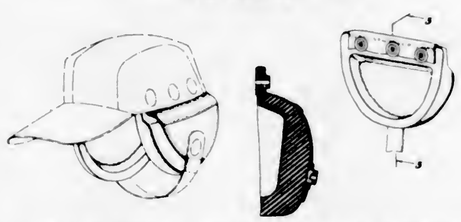
The ornamental design for a pickle assortment container, as shown.

167,088
UTILITY SPOON
Clayton A. Laughlin, Minneapolis, Minn., assignor to Northwest Plastics, Incorporated, St. Paul, Minn., a corporation of Minnesota
Application July 30, 1951, Serial No. 16,069
Term of patent 14 years
(Cl. D44—29)



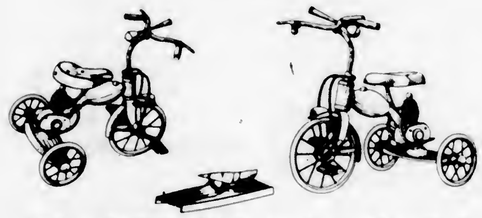
The ornamental design for a utility spoon, substantially as shown.

167,089
NOISE ELIMINATOR CAP UNIT
Charles Leight, Los Angeles, Calif.
Application January 18, 1952, Serial No. 18,106
Term of patent 14 years
(Cl. D3—13)



The ornamental design for a noise eliminator cap unit, as shown and described.

167,090
CHILD'S TRICYCLE
George Edward Lines, Kingswood, England, assignor to Lines Bros. Limited, Merton, London, England, a British company
Application June 4, 1951, Serial No. 15,390
In Great Britain February 23, 1951
Term of patent 14 years
(Cl. D34—15)



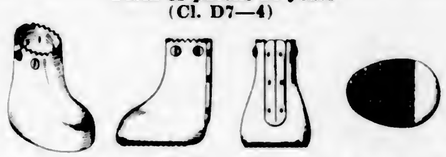
The ornamental design for a child's tricycle, substantially as shown.

167,091
BROOCH OR SIMILAR ARTICLE
Jacques Martial, Great Neck, and Lincoln L. Ciampa, New York, N. Y., assignors to United States Electric Mfg. Corp., New York, N. Y., a corporation of New York
Application November 27, 1951, Serial No. 17,533
Term of patent 14 years
(Cl. D45—19)



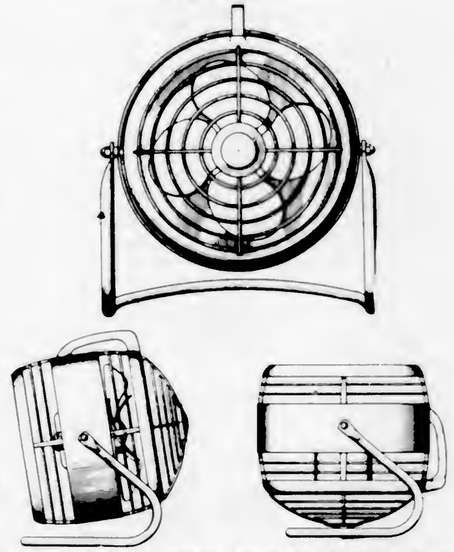
The ornamental design for a brooch or similar article, substantially as shown.

167,092
BOOT FOR DOGS
Harry E. Monroe, Los Angeles, Calif.
Application November 19, 1951, Serial No. 17,466
Term of patent 14 years
(Cl. D7—4)



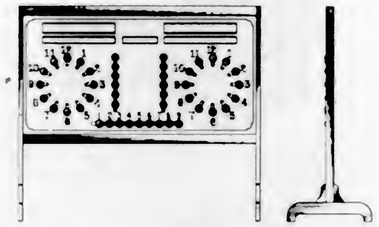
The ornamental design for a boot for dogs, as shown.

167,093
FAN
Walter E. Moore, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application August 18, 1951, Serial No. 16,369
Term of patent 14 years
(Cl. D26—7)



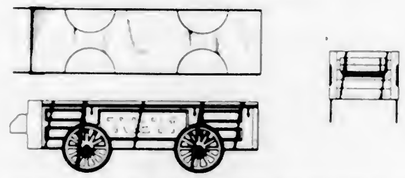
The ornamental design for a fan, substantially as shown and described.

167,094
SCOREBOARD FOR WRESTLING MATCHES
Clifford R. Myers, Bloomington, Ind.
Application January 5, 1950, Serial No. 7,019
Term of patent 14 years
(Cl. D34—5)



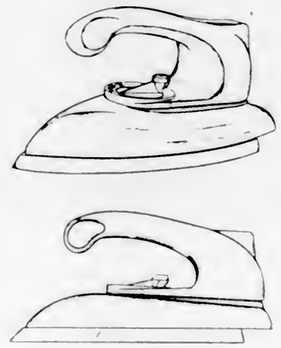
The ornamental design for a scoreboard for wrestling matches, substantially as shown and described.

167,095
PAPERBOARD TRAY
Lewis C. Pennebaker, Chattanooga, Tenn., assignor to O. B. Andrews Company, Chattanooga, Tenn., a corporation of Tennessee
Application June 22, 1951, Serial No. 15,640
Term of patent 14 years
(Cl. D58—14)

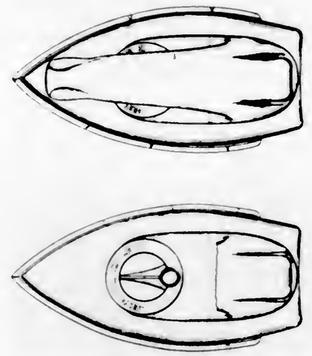


The ornamental design for a paperboard tray, as shown and described.

167,096
PRESSING IRON
Frederick W. Perl, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application February 18, 1952, Serial No. 18,562
Term of patent 14 years
(Cl. D49—6)



167,096—Continued



The ornamental design for a pressing iron, substantially as shown and described.

167,097
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 21, 1952, Serial No. 18,619
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a necklace or the like, substantially as shown.

167,098
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 21, 1952, Serial No. 18,621
Term of patent 7 years
(Cl. D45—16)



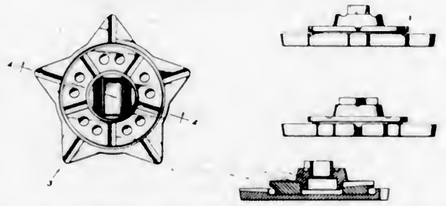
The ornamental design for a necklace or the like, substantially as shown.

167,099
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 21, 1952, Serial No. 18,622
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown.

167,100
CIGARETTE SERVICE TRAY
George L. Phillips, Newkirk, and Louis E. Terry, Ponca City, Okla.
Application November 16, 1951, Serial No. 17,453
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a cigarette service tray, substantially as shown.

167,101
CLOCK
Joseph F. Punzak, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,029
Term of patent 14 years
(Cl. D42—7)



167,101—Continued



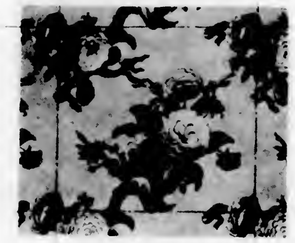
The ornamental design for a clock, substantially as shown.

167,102
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application October 25, 1951, Serial No. 17,110
Term of patent 3½ years
(Cl. D92—1)



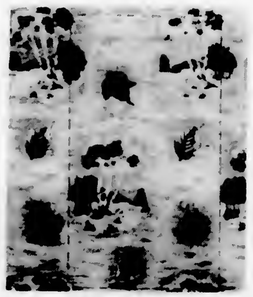
The ornamental design for a textile fabric, substantially as shown and described.

167,103
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application October 25, 1951, Serial No. 17,113
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,104
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,382
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,105
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,383
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, as shown and described.

167,106
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,384
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,107
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,386
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,108
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,387
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,109
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,389
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,110
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,390
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,111
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,391
Term of patent 3½ years
(Cl. D92—1)



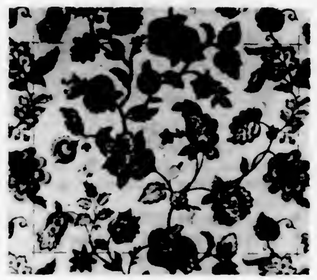
The ornamental design for a textile fabric, substantially as shown and described.

167,112
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,392
Term of patent 3½ years
(Cl. D92—1)



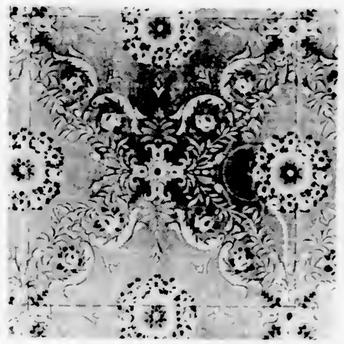
The ornamental design for a textile fabric, substantially as shown and described.

167,113
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,393
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,114
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,394
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

167,115
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,395
Term of patent 3½ years
(Cl. D92—1)



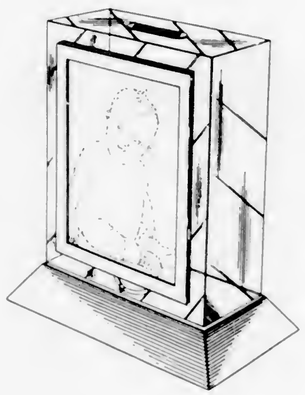
The ornamental design for a textile fabric, substantially as shown and described.

167,116
TEXTILE FABRIC
Henry Rose, New York, N. Y.
Application November 14, 1951, Serial No. 17,398
Term of patent 3½ years
(Cl. D92—1)



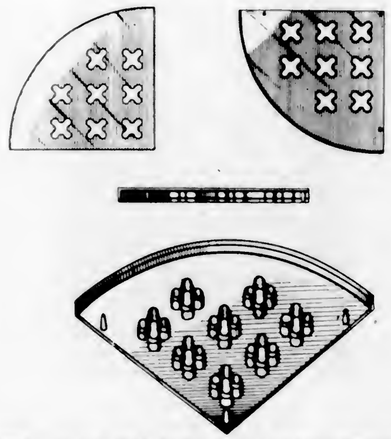
The ornamental design for a textile fabric, substantially as shown and described.

167,117
COMBINED BANK AND PICTURE FRAME
Berle B. Salmon, Montreal, Quebec, Canada, assignor to Edith Jacques Clark, Westmont, Quebec, Canada
Application September 19, 1950, Serial No. 12,258
Term of patent 14 years
(Cl. D34—11)



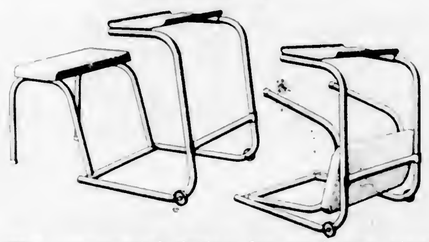
The ornamental design for a combined bank and picture frame, as shown and described.

167,118
PIE DOUGH CUTTER
Rinda Shaw, Chicago, Ill.
Application July 19, 1950, Serial No. 11,256
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a pie dough cutter, substantially as shown.

167,119
IRONER STAND
Allen T. Shott, Cincinnati, Ohio
Application April 15, 1952, Serial No. 19,325
Term of patent 7 years
(Cl. D49—3)



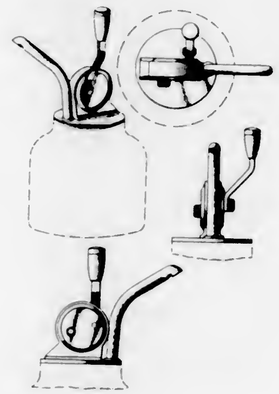
The ornamental design for an ironer stand, substantially as shown.

167,120
FINGER RING
Vincent Sorrentino, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application August 24, 1951, Serial No. 16,424
Term of patent 14 years
(Cl. D45—10)



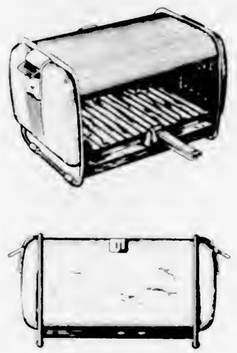
The ornamental design for a finger ring, substantially as shown and described.

167,121
FRUIT JUICE DISPENSER
Vernon P. Steele, Noroton, Conn., assignor to Kenco Products Corporation, New York, N. Y., a corporation of New York
Application December 12, 1951, Serial No. 17,692
Term of patent 14 years
(Cl. D2—3)



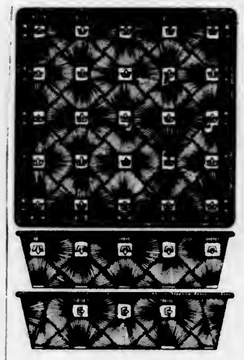
The ornamental design for a fruit juice dispenser, substantially as shown and described.

167,122
ELECTRIC BROILER
Max Steinbook, New York, N. Y., assignor to Broil-Quik, Inc., New York, N. Y., a corporation of New York
Application November 23, 1951, Serial No. 17,495
Term of patent 14 years
(Cl. D81—10)



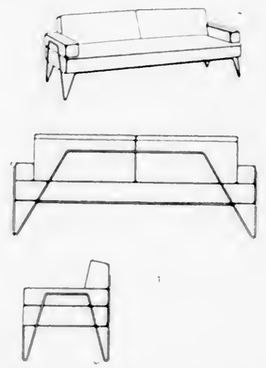
The ornamental design for an electric broiler, as shown and described.

167,123
BAKING PAN
James Teague, Chicago, Ill.
Application March 5, 1952, Serial No. 18,779
Term of patent 14 years
(Cl. D44—1)



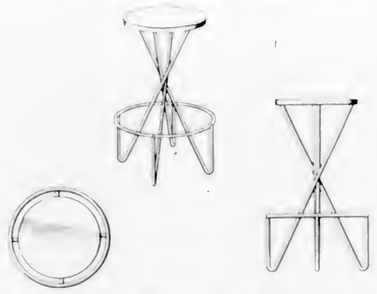
The ornamental design for a baking pan, as shown.

167,124
SOFA OR SIMILAR ARTICLE
Paul Tuttle, Los Angeles, Calif., assignor to Modern Color, Inc., Los Angeles, Calif., a corporation of California
Application March 24, 1952, Serial No. 19,023
Term of patent 14 years
(Cl. D15—11)



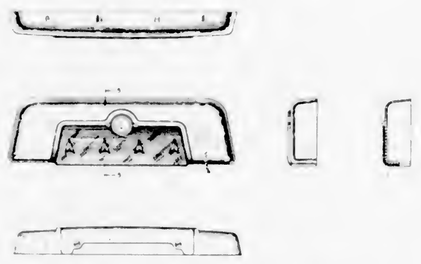
The ornamental design for a sofa or similar article, as shown.

167,125
STOOL
Paul Tuttle, Los Angeles, Calif., assignor to Modern Color, Inc., Los Angeles, Calif., a corporation of California
Application March 24, 1952, Serial No. 19,024
Term of patent 14 years
(Cl. D15—8)



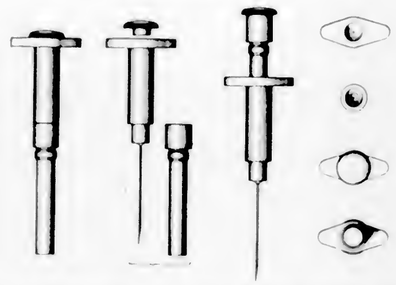
The ornamental design for a stool, as shown.

167,126
HANDLE FOR A HOME FREEZER
John H. Walter, Grosse Pointe, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application March 17, 1952, Serial No. 18,938
Term of patent 14 years
(Cl. D67—3)



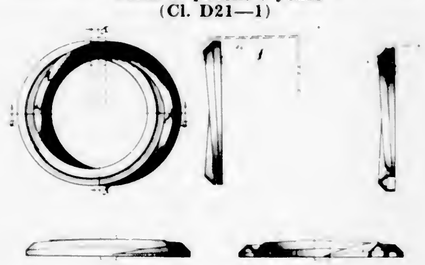
The ornamental design for a handle for a home freezer, substantially as shown.

167,127
DISPOSABLE SYRINGE
Harry Gilbert Willis, Blackwood, South Australia, Australia
Application July 2, 1951, Serial No. 15,747
In Australia March 9, 1951
Term of patent 14 years
(Cl. D83—1)



The ornamental design for a disposable syringe, as shown.

167,128
DRAPERY MOUNTING RING
Bernard Yellin, Chicago, Ill., assignor to Bernard Edward Co., Chicago, Ill., a corporation of Illinois
Application January 5, 1952, Serial No. 17,948
Term of patent 7 years
(Cl. D21—1)



The ornamental design for a drapery mounting ring, substantially as shown.

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